QUARTERLY OPERATION AND MAINTENANCE DATA SUMMARY REPORT
SD-052-02 BUILDING 775 SITE (BUILDINGS 774 AND 776) AND SD-052-01 APRON 2 CHLORINATED PLUME SITE (BUILDINGS 785 AND 786)
SUB-SLAB VAPOR MITIGATION SYSTEMS
(3RD QUARTER / CALENDAR YEAR 2015 / JULY – SEPTEMBER)

APPENDICES

Appendix A

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-9-15			
conducted by:	DS	B774+776		
Site ID:	~~B-774 B-776~~		Patm (inch hg):	30 in Hg
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-20	774-1	.4	68°F
774-2	-16	774-2	.2	70°F
776-1	-18	776-1	.5	70°F
Blower Temp (deg F)	100°F	After Cooler Temp (deg F)	90°F	

Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

9953 Found to be not running knockout tank high level alarm on. No water in knockout tank. Reset and system turned back on

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-9-15			
conducted by:	DS			
Site ID:	B785/786		Patm (inch hg):	30 in Hg
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-46	785-1	.4	59°F
786-1	-42	786-1	.8	60°F
total	4.8 in Hg	total	3.6	70°F
Blower Temp (deg F)	154°F	After Cooler Temp (deg F)	128°F	

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-17-15			
conducted by:	DS			
Site ID:	8774/776		Patm (inch hg):	30.09 in Hg
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-19	774-1	.4	69°F
774-2	-16	774-2	.2	70°F
776-1	-18.5	776-1	.5	71°F
Blower Temp (deg F)	125°F	After Cooler Temp (deg F)	110°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-17-15			
conducted by:	DS			
Site ID:	B 785/786		Patm (inch hg):	30.07 in Hg
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-52	785-1	.41	60°F
786-1	-45	786-1	1	60°F
total	4.8 in Hg	total	3.6	75°F
Blower Temp (deg F)	155°F	After Cooler Temp (deg F)	132°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7/23/15			
conducted by:	DB/JP			
Site ID:			Patm (inch hg):	29.96
Vacuum Gauge:	Vacuum (inch w g)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-19.5	774-1	0.4	74
774-2	-16	774-2	0.2	70
776-1	-17	776-1	0.55	71
Blower Temp (deg F)	130	After Cooler Temp (deg F)	118	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w g.)	Deep Vacuum (inch w g)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7/23/15			
conducted by:	OB/JP			
Site ID:			Patm (inch hg):	29.96
Vacuum Gauge.	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-52	785-1	0.4	60
786-1	-48	786-1	1.0	60
total	-4"Hg	total	3.6	66
Blower Temp (deg F)	160	After Cooler Temp (deg F)	134	
Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

↖ Room is very warm

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7/30/15			
conducted by:	DLS			
Site ID:	B774/B776		Patm (inch hg):	29.82 in Hg
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	.4	70° F
774-2	-16	774-2	.2	73° F
776-1	-.16	776-1	.5	72° F
Blower Temp (deg F)	130° F	After Cooler Temp (deg F)	115° F	

Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7/30/15			
conducted by:	DLS			
Site ID:	B785/B786		Patm (inch hg):	29.82 in Hg
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-50	785-1	.4	62° F
786-1	-52	786-1	.9	60° F
total	4 in Hg	total	3.4	78° F
Blower Temp (deg F)	160° F	After Cooler Temp (deg F)	139° F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-6-15			
conducted by:	MG			
Site ID:	B774/B776 SVI		Patm (inch hg):	30.03
Vacuum Gauge	Vacuum (inch w.g.)	Magnehelic Gauge	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	.4	70°F
774-2	-16	774-2	.2	74°F
776-1	-16	776-1	.5	70°F
Blower Temp (deg F)	130°F	After Cooler Temp (deg F)	118°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

2690-960

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-6-15			
conducted by:	MG			
Site ID:	B785/B786 SVE		Patm (inch hg):	30.03
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-52	785-1	.4	64°F
786-1	-50	786-1	.8	60°F
total		total	3.5	75°F
Blower Temp (deg F)	160°F	After Cooler Temp (deg F)	132°F	

Well_ID; Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8/13/15			
conducted by:	JH/DB			
Site ID:	B774/B776 SVI		Patm (inch hg):	30.04
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	4	* N/A
774-2	-15	774-2	.2	* N/A
776-1	-16	776-1	.5	* N/A
Blower Temp (deg F)	*NA	After Cooler Temp (deg F)	*NA	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)
	* System was not running upon arrival. System was turned back on 8/13/15.			

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8/13/15			
conducted by:	JW/DB			
Site ID:	B785/B786 SVE		Patm (inch hg):	30.04
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-52	785-1	0.4	62°
786-1	-51	786-1	0.9	60°
total		total	3.5	75°
Blower Temp (deg F)	160° P	After Cooler Temp (deg F)	134°	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-20-15			
conducted by:	MG			
Site ID:	B774/B776		Patm (inch hg):	29.86
Vacuum Gauge:	Vacuum (inch w g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	.4	-70°F
774-2	-16	774-2	.2	-74°F
776-1	-16	776-1	.5	72°F
Blower Temp (deg F)	130°F	After Cooler Temp (deg F)	120°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-20-15			
conducted by:	MG			
Site ID:	B785/B786		Patm (inch hg):	29.86
Vacuum Gauge.	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-30	785-1	.1	68°F
786-1	-22	786-1	2	64°F
total	2.5	total	4.4	78°F
Blower Temp (deg F)	145°F	After Cooler Temp (deg F)	130°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-28-15			
conducted by:	MG/SP			
Site ID:	[redacted] 8774/8776		Patm (inch hg):	30.26
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	.4	68°F
774-2	-15	774-2	.2	70°F
776-1	-16	776-1	.5	70°F
Blower Temp (deg F)	120°F	After Cooler Temp (deg F)	110°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-28-15			
conducted by:	MG/SP			
Site ID:	B785/B786		Patm (inch hg):	30.26
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-22	785-1	.1	65°F
786-1	-22	786-1	2	60°F
total	1.5	total	4.6	72°F
Blower Temp (deg F)	140°F	After Cooler Temp (deg F)	120°F	
Well_ID; Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-3-15			
conducted by:	MG			
Site ID:	B774-B776 SVE		Patm (inch hg):	29.93 (in HG)
Vacuum Gauge	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	.4	70°F
774-2	-15	774-2	.2	72°F
776-1	-16	776-1	.5	72°F
Blower Temp (deg F)	130°F	After Cooler Temp (deg F)	120°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-3-15			
conducted by:	MG			
Site ID:	B785-B786		Patm (inch hg):	29.93
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-60	785-1	.6	66°F
786-1	-8	786-1	.4	66°F
total	5 (inHG)	total	3	78°F
Blowet Temp (deg F)	170°F	After Cooler Temp (deg F)	140°F	
Well ID; Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-11-15			
conducted by:	MG			
Site ID:	B785 / B786 SVI		Patm (inch hg):	29.81 (inHG)
Vacuum Gauge.	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	-60	785-1	.5	64°F
786-1	-8	786-1	.5	64°F
total	5inHG	total	3	80°F
Blower Temp (deg F)	175°F	After Cooler Temp (deg F)	140°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-11-15			
conducted by:	MG			
Site ID:	B774/B776 SVE		Patm (inch hg):	29.81 (IN HG)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	.4	70°F
774-2	-15	774-2	.2	75°F
776-1	-16	776-1	.5	72°F
Blower Temp (deg F)	130°F	After Cooler Temp (deg F)	120° F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-25-15			
conducted by:	MG			
Site ID:	B774/B776 SVE		Patm (inch hg):	30.43(inHG)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-18	774-1	.4	76°F
774-2	-16	774-2	.2	70°F
776-1	-16	776-1	.5	70°F
Blower Temp (deg F)	124°F	After Cooler Temp (deg F)	110°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-25-15			
conducted by:	MG			
Site ID:	B785/786 SVE		Patm (inch hg):	30.43 (in HG)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
785-1	~~mg~~ 6-80	785-1	.6	60°F
786-1	-0-	786-1	.6	60°F
total	4 (in HG)	total	3	78°F
Blower Temp (deg F)	170°F	After Cooler Temp (deg F)	140°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

774-1 O&M Readings/Flow Rate					
Well	Date	Vacuum (inch w.g)	Pressure Differential (inch w.g)	Temperature (°F)	Flow (ACFM)
774-1	7/9/2015	-20	0.4	68	141.18
774-1	7/17/2015	-19	0.4	69	141.63
774-1	7/23/2015	-19.5	0.4	74	141.97
774-1	7/30/2015	-18	0.4	70	141.37
774-1	8/6/2015	-18	0.4	70	141.85
774-1	8/13/2015	-18	0.4	N/A	N/A
774-1	8/20/2015	-18	0.4	70	141.46
774-1	8/28/2015	-18	0.4	68	142.10
774-1	9/3/2015	-18	0.4	70	141.62
774-1	9/11/2015	-18	0.4	70	141.35
774-1	9/25/2015	-18	0.4	76	143.56

774-2 O&M Readings/Flow Rate					
Well	Date	Vacuum (inch w.g)	Pressure Differential (inch w.g)	Temperature (°F)	Flow (ACFM)
774-2	7/9/2015	-16	0.2	70	100.49
774-2	7/17/2015	-16	0.2	70	100.60
774-2	7/23/2015	-16	0.2	70	100.43
774-2	7/30/2015	-16	0.2	73	100.48
774-2	8/6/2015	-16	0.2	74	100.92
774-2	8/13/2015	-15	0.2	N/A	N/A
774-2	8/20/2015	-16	0.2	74	100.64
774-2	8/28/2015	-15	0.2	70	101.03
774-2	9/3/2015	-15	0.2	72	100.69
774-2	9/11/2015	-15	0.2	75	100.78
774-2	9/25/2015	-16	0.2	70	101.18

776-1 O&M Readings/Flow Rate					
Well	Date	Vacuum (inch w.g)	Pressure Differential (inch w.g)	Temperature (°F)	Flow (ACFM)
776-1	7/9/2015	-18	0.5	70	158.52
776-1	7/17/2015	-18.5	0.5	71	158.75
776-1	7/23/2015	-17	0.55	71	166.50
776-1	7/30/2015	-16	0.5	72	158.73
776-1	8/6/2015	-16	0.5	70	158.97
776-1	8/13/2015	-16	0.5	N/A	N/A
776-1	8/20/2015	-16	0.5	72	158.83
776-1	8/28/2015	-16	0.5	70	159.55
776-1	9/3/2015	-16	0.5	72	159.01
776-1	9/11/2015	-16	0.5	72	158.71
776-1	9/25/2015	-16	0.5	70	159.98

785-1 O&M Readings/Flow Rate					
Well	Date	Vacuum (inch w.g)	Pressure Differential (inch w.g)	Temperature (°F)	Flow (ACFM)
785-1	7/9/2015	-46	0.4	59	79.19
785-1	7/17/2015	-52	0.4	60	78.82
785-1	7/23/2015	-52	0.4	60	78.69
785-1	7/30/2015	-50	0.4	62	78.86
785-1	8/6/2015	-52	0.4	64	79.08
785-1	8/13/2015	-52	0.4	62	78.94
785-1	8/20/2015	-30	0.1	68	40.59
785-1	8/28/2015	-22	0.1	65	41.11
785-1	9/3/2015	-60	0.6	66	96.05
785-1	9/11/2015	-60	0.5	64	87.36
785-1	9/25/2015	-60	0.6	60	96.19

786-1 O&M Readings/Flow Rate					
Well	Date	Vacuum (inch w.g)	Pressure Differential (inch w.g)	Temperature (°F)	Flow (ACFM)
786-1	7/9/2015	-44	0.8	60	112.25
786-1	7/17/2015	-45	1	60	125.61
786-1	7/23/2015	-48	1	60	124.98
786-1	7/30/2015	-52	0.9	60	117.80
786-1	8/6/2015	-50	0.8	60	111.65
786-1	8/13/2015	-51	0.9	60	118.31
786-1	8/20/2015	-22	2	64	182.53
786-1	8/28/2015	-22	2	60	182.98
786-1	9/3/2015	-8	0.4	66	83.27
786-1	9/11/2015	-8	0.5	64	92.74
786-1	9/25/2015	-8	0.6	60	102.23

Total O&M Readings/Flow Rate					
Well	Date	Vacuum (inch h.g)	Pressure Differential (inch w.g)	Temperature (°F)	Flow (ACFM)
Total	7/9/2015	4.8	3.6	70	206.57
Total	7/17/2015	4.8	3.6	75	207.75
Total	7/23/2015	-4	3.6	66	237.99
Total	7/30/2015	4	3.4	78	204.09
Total	8/6/2015	N/A	3.5	75	N/A
Total	8/13/2015	N/A	3.5	75	N/A
Total	8/20/2015	2.5	4.4	78	237.60
Total	8/28/2015	1.5	4.6	72	246.94
Total	9/3/2015	5	3	78	189.25
Total	9/11/2015	5	3	80	189.28
Total	9/25/2015	4	3	78	193.43

Appendix B

Waste Inventory Tracking Form

Location: Buildings 774, 776, 785 and 786

Project Name: 1015-11-01 SVI

Activities: Spent Carbon Generation

Date	Activity Generating Waste (borehole # / well #)	Description of Waste	Field Evidence of Contamination	Estimated Volume (gals)	Type of Container (storage ID #)	Location of Container	Waste Characterization
19-Dec-11	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
23-Feb-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
23-Apr-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
5-Jul-12	SVE System (785 and 786)	Spent Carbon	Soil Vapor	110	55-gal drum	B786	Yes - Sampled on 08/13/13o
17-Jul-12	SVE System (774 and 776)	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes - Sampled on 08/13/13
5-Sep-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
4-Dec-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
24-Apr-13	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
13-Sep-13	SVE System (774 and 776)	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 8/22/14
13-Jan-14	SVE System (774 and 776)	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 8/22/14
20-May-14	SVE System (774 and 776	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 8/22/14
24-Sept-14	SVE System (785 and 786)	Spent Carbon	Soil Vapor	110	55-gal drum	B785	Yes – Sampled on 10/14/14
14-Oct-14	SVE System (774 and 776	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 10/14/14
26-Feb-15	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774	

Note: Describe whether soil or water samples have been collected for waste characterization, include date, if known.

Comments : _____

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Appendix C

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 8/28/2015

Project Name/Site Number: Griffiss Building 774/776 Influent and Building 785/786 Influent

Weather conditions: Average temperature: 60 Average barometric reading: 30.20
Wind direction and speed: WSW 2 mph
Significant wind changes: None

General description of tasks completed: Buildings 774/776 and 785/786 AOC Influent Samples

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Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None.

Corrective actions taken or instructions obtained from AFCEC personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Daniel Baldyga, FPM Project Manager Date: August 28, 2015

CQCC Signature: Concordia L. VanHoose Date: 9/8/15

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs)
	✓ Daily Health and Safety Meeting Form

WEATHER OBSERVATION FORM

LOCATION: Bldg 774/776 + Bldg 785/786 (Griffiss, Rome NY)

DATE: 8/28/15

FIELD PERSONNEL: Jake Pratt, Mark Grifasi

INSTRUMENTS (model and serial number):

Thermometer: X

Anemometer: X

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (degrees F)	Wind (mph)	Comments
Prior to Sampling	0753	—	30.22	54°	SE 3.5	Overcast
Mid Day	1153	—	30.24	64.9°	W 4.6	Overcast
	1253	—	30.21	68°	SSW 6.9	Mostly Cloudy
End of Sampling	1653	—	30.18	70°	WNW 6.9	Overcast

Notes: Additional measurements should be taken in case of weather condition changes.
Air sampling will be postponed if conditions move outside the acceptable range.

Sampling Event Acceptable Range:
1. Precipitation: dry while conducting sampling.
2. Atmospheric pressure: 29.7 – 30.4 in Hg.
3. Temperature: 35 – 95 degrees F. The ground must be completely thawed.
4. Wind: <10 mph.

Daily Health and Safety Meeting Form

Date: 8/28/15 *Time :* 0900

Location: FPM office (sample room)

Weather Conditions: Overcast, 60°, Calm winds, 30.22 in

Meeting Type: Daily Health and Safety

Personnel Present:

Jake Pratt, Mark Griffasi

Visitors Present: None

Visitor Training: None

PPE Required: Modified D

Possible risks, injuries, concerns:

[redacted] slip/trip/fall, heavy equipment/construction in vicinity of 785/786

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

N/A

Property Damage:

None

Description (include sequence of events describing step by step how incident happened):

N/A

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

N/A

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/28/15 TIME: 1140

SAMPLE IDENTIFICATION: 774776CA01MA (774776 Influent)

SAMPLE DEPTH: Influent sample at system before vapor treatment

FIELD PERSONNEL: Jake Pratt, Mark Grifasi

INSTRUMENTS (model and serial number):

PUMP: X

CGI: X

TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: X

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: X

VACUUM AFTER SAMPLING: X

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings)

VOCs used during normal operations of facility:

None

Weather conditions: Outdoor temperature: 65° F

Barometric pressure: 30.24 in

Precipitation: None

Ventilation conditions: N/A (Influent System Grab)

Heating System Active? ☐ Yes N/A ☐ No Indoor Air Temp: N/A

Location in relation to sample location: —

Windows Closed? ☐ Yes ☐ No

N/A

can# - 5032

reg# - 6064

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/28/15 TIME: 1150

SAMPLE IDENTIFICATION: 785786CA01MA (785786 Influent)

SAMPLE DEPTH: Influent sample at system before vapor treatment

FIELD PERSONNEL: Jake Pratt, Mark Grifasi

INSTRUMENTS (model and serial number):

PUMP: X

CGI: X

TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: X

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: X

VACUUM AFTER SAMPLING: X

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings)

VOCs used during normal operations of facility:

None

Weather conditions: Outdoor temperature: 65°F

Barometric pressure: 30.24 in

Precipitation: None

Ventilation conditions: N/A (Influent System Gas)

Heating System Active? ☐ Yes N/A ☐ No Indoor Air Temp: N/A

Location in relation to sample location: —

Windows Closed? ☐ Yes ☐ No

N/A

Can# - 6019

reg# - 6045

39

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature:	Phone: (315) 336-7721 Ext 207

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774776CA01MA	774776-Influent	8/28	1140	GS	AC	0/0	N	-	-	1	1	1	Canister#: 5032 Regulator #: 6064
785786CA01MA	785786-Influent	8/28	1150	GS	AC	0/0	N	-	-	1	1	1	Canister#: 6019 Regulator #: 6045

Sample Condition Upon Receipt at Laboratory:

Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

#1 Released by: (Sig)	Date: 9.2.15	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name:	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name:	Time:	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil
GS = Gas Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
AC = Air Container

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 8/31/2015

Project Name/Site Number: Griffiss Building 774 and 776 Indoor, Outdoor Air, and sub-slab vapor Sampling.

Weather conditions: Average temperature: 70 Average barometric reading: 30.02
Wind direction and speed: WNW 5 mph
Significant wind changes: gusts of 28 mph.

General description of tasks completed: Building 774/776 Indoor Air, and Sub-slab vapor sampling at 774VMP-1, -2, -3, 776VMP-1, -2, and -3.

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: 774774-OA (outdoor air) sample will be collected on 9/1/2015.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None.

Corrective actions taken or instructions obtained from AFCEC personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Daniel Baldyga, FPM Project Manager Date: August 31, 2015

CQCC Signature: [signature] Date: 9/7/15

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs)
	✓ Daily Health and Safety Meeting Form

Daily Health and Safety Meeting Form

Date: 8.31.15 *Time :* 1000

Location: FPM office (sample room)

Weather Conditions: Sun / 80°

Meeting Type: Daily Health and Safety

Personnel Present:

K. Wilhelmsen / M. Gaspari / Jake Pratt / Jo Wenzel

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

Traffic, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

N/A

Property Damage:

N/A

Description (include sequence of events describing step by step how incident happened):

N/A

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Jake Pratt

SSHP Organization Title: Site Safety and Health Officer of the day

WEATHER OBSERVATION FORM

LOCATION: Bldg 774/776

DATE: 8/31/15

FIELD PERSONNEL: Jake Pratt, Mark Grifasi

INSTRUMENTS (model and serial number):

Thermometer: X

Anemometer: X

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (degrees F)	Wind (mph)	Comments
Prior to Sampling	0753	—	30.03	62°F	Calm	Clear
Mid Day	1153	—	30.03	77°F	W 11.5 mph	Mostly Cloudy
	1253	—	30.01	79°F	W 8.1 mph	Mostly Cloudy
End of Sampling	1653	—	29.98	81°F	WNW 18.4 mph	Mostly Cloudy

Notes: Additional measurements should be taken in case of weather condition changes.
Air sampling will be postponed if conditions move outside the acceptable range.

Sampling Event Acceptable Range:
1. Precipitation: dry while conducting sampling.
2. Atmospheric pressure: 29.7 – 30.4 in Hg.
3. Temperature: 35 – 95 degrees F. The ground must be completely thawed.
4. Wind: <10 mph.

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/31/15 TIME: 0820

SAMPLE IDENTIFICATION: 7716IA1NA (Tindoor Air)

SAMPLE DEPTH: ~5ft above grade

FIELD PERSONNEL: Jake Pratt, Mark Grifasi

INSTRUMENTS (model and serial number):

PUMP: RKI: O_2 - 20.9, CO_2 - 0.1% TVH - 0 ppm

CGI: X

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -8

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Dry

VOCs used during normal operations of facility: Solvents, refrigerants (for cleaning purposes)

Weather conditions: Outdoor temperature: 62°F

Barometric pressure: 30.03

Precipitation: None

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: ~70°F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

can#: 5055

reg#: 5176

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 8/31/15 TIME: 0810

SAMPLE IDENTIFICATION: 774IA1NA (Indoor Air)

SAMPLE DEPTH: ~5 ft above grade

FIELD PERSONNEL: Jake Proth, Mark Grifasi

INSTRUMENTS (model and serial number):

PUMP: RKI: O_2 - 20.9 CO_2 - 0.1 TVH - 0ppm

CGI: _____

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29

VACUUM AFTER SAMPLING: -5

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Dry

VOCs used during normal operations of facility: Refrigerants, solvents

Weather conditions: Outdoor temperature: 62°F

Barometric pressure: 30.03

Precipitation: None

Ventilation conditions: good

Heating System Active? ☒ Yes ☒ No Indoor Air Temp.: ~70°F

Location in relation to sample location: _____

Windows Closed? ☒ Yes ☐ No

Can#: 3669

reg #: 5206

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/31/15 TIME: 1108

SAMPLE IDENTIFICATION: 794VMP0101NA

SAMPLE DEPTH: 1ft below grade

FIELD PERSONNEL: JP/KW/MG

INSTRUMENTS (model and serial number):

PUMP: hand pump + RKI Eagle → Hex: 0ppm O_2: 20.9 CO_2: 0.0

CGI:

TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%): N/A

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -3

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings)

VOCs used during normal operations of facility:

solvents, refrigerants, (cleaning purposes)

Weather conditions: Outdoor temperature: 73°F

Barometric pressure: 30.04

Precipitation: None

Ventilation conditions: Good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

Can #: 3011

reg #: 5829

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/31/15 TIME: 1115

SAMPLE IDENTIFICATION: 774VMP0201 NA

SAMPLE DEPTH: 1A below grade

FIELD PERSONNEL: JP/MG/KW

INSTRUMENTS (model and serial number):

PUMP: hand pump + RKI Eagle ; Hex 0.0ppm O_2:20.9 CO_2: 0.0

CGI:

TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%): N/A

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29

VACUUM AFTER SAMPLING: -2

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

solvents, refrigerants (cleaning purposes)

Weather conditions: Outdoor temperature: 73°F

Barometric pressure: 30.04

Precipitation: None

Ventilation conditions: Good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

can#: 3642

mg#: 4715

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8/31/15 TIME: 1120

SAMPLE IDENTIFICATION: 774VMP030i NA

SAMPLE DEPTH: 1 ft below grade

FIELD PERSONNEL: JP/MG/KW

INSTRUMENTS (model and serial number):

PUMP: Hand pump + RKI Eagle: 0.0 ppm O_2: 20.9 CO_2: 0.0

CGI: X

TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%): N/A

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -5

APPARENT MOISTURE CONTENT: (DRY) MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

solvents, refrigerants (cleaning purposes)

Weather conditions: Outdoor temperature: 73°F

Barometric pressure: 30.04

Precipitation: None

Ventilation conditions: Good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

can #: 5457

reg # 4981

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8.31.15 TIME: 1505

SAMPLE IDENTIFICATION: 776VMR0101NA

SAMPLE DEPTH: 01 ft below slab

FIELD PERSONNEL: JR/MW/KW

INSTRUMENTS (model and serial number):

PUMP: Hand pump, RKI Eagle (see below)*

CGI:

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): N/A

SAMPLE PURGE VOLUME: ~~6L~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29

VACUUM AFTER SAMPLING: -5

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

solvents refrigerants

Weather conditions: Outdoor temperature: 82° F

Barometric pressure: 29.99

Precipitation: None

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70° F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

Can #: 5634

reg#: 4693

* RKI Eagle

0.0

Hex 20.9

O2 0.0

CO2

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8.31.15 TIME: 1500

SAMPLE IDENTIFICATION: 77CVMP020INA/NC (Dup)

SAMPLE DEPTH: 0.1 ft below slab

FIELD PERSONNEL: JO/MC/KW

INSTRUMENTS (model and serial number):

PUMP: Hand Pump + RKI Eagle (see below)*

CGI: _____

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: 6 ft. 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6 lit.

SUMMA CANISTER: VACUUM BEFORE SAMPLING: 30/30

VACUUM AFTER SAMPLING: -3 -3

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

solvents, refrigerants

Weather conditions: Outdoor temperature: 82° F

Barometric pressure: 29.99

Precipitation: None

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70° F

Location in relation to sample location: _____

Windows Closed? ☒ Yes ☐ No

	/A	/C
Can#:	2692	5027
reg#:	4977	4638

* RKI Eagle

Hex: 0.0

O2 20.9

CO 0.0

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 8.31.15 TIME: 1515

SAMPLE IDENTIFICATION: 77CVMP030INA

SAMPLE DEPTH: 0.9 ft below grade

FIELD PERSONNEL: OD / MA / KW

INSTRUMENTS (model and serial number):

PUMP: Hand pump + RKI Eagle (see below)

CGI:

TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%): N/A

SAMPLE PURGE VOLUME: ~~0.5~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -27

VACUUM AFTER SAMPLING: -3

APPARENT MOISTURE CONTENT: (DRY)/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

Solvents, refrigerants

Weather conditions: Outdoor temperature: 82° F

Barometric pressure: 29.99

Precipitation: None

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~~70~~ 70°F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

RKI Eagle*

Hex 0 ppm

O_2 20.9

CO_2 0.0

Can #: 4324

Reg #: 5316

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 9/1/15 TIME: 0805

SAMPLE IDENTIFICATION: 774?7?OA1NA

SAMPLE DEPTH: 5 ft above grade

FIELD PERSONNEL: Mark Grifasi, Jake Pratt

INSTRUMENTS (model and serial number):

PUMP: RKI O_2 - 20.9% CO_2 - 0% TVH = 0ppm

CGI:

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -2

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Dry

VOCs used during normal operations of facility: outdoor - fuel gas

Weather conditions: Outdoor temperature: 64°F

Barometric pressure: 30.09 in

Precipitation: 0.0

Ventilation conditions: N/A

Heating System Active? ☐ Yes ☐ No Indoor Air Temp.: N/A

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☐ No

can #: 4088

reg #: 3188

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature:	Phone: (315) 336-7721 Ext 207

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774VMP0101NA	774VMP-1	8/31	1108	GS	AC	0/0	N	-30	-3	1	1	1	Can #3011 , Reg #5829
774VMP0201NA	774VMP-2	8/31	1115	GS	AC	0/0	N	-29	-2	1	1	1	Can #3642 , Reg #4715
774VMP0301NA	774VMP-3	8/31	1120	GS	AC	0/0	N	-30	-5	1	1	1	Can #5457 , Reg #4981
776VMP0201NC	776VMP-2	8/31	1500	GS	AC	0/0	N	-30	-3	1	1	1	Can #5027 , Reg #4638
776VMP0201NA	776VMP-2	8/31	1500	GS	AC	0/0	N	-30	-3	1	1	1	Can #2692 , Reg #4977
776VMP0201NA	776VMP-1	8/31	1505	GS	AC	0/0	N	-29	-5	1	1	1	Can #5634 , Reg #4693
776VMP0301NA	776VMP-3	8/31	1515	GS	AC	0/0	N	-27	-3	1	1	1	Can #4324 , Reg #5316
774IA1NA	774-IA	8/31	0810	GS	AC	0/0	N	-29	-5	1	1	1	Can #3669 , Reg #5206
774776OA1NA	774776-OA	9/1	0805	GS	AC	0/0	N	-30	-2	1	1	1	Can #4088 , Reg #3188
776IA1NA	776-IA	8/31	0820	GS	AC	0/0	N	-30	-8	1	1	1	Can #5055 , Reg #5176

Sample Condition Upon Receipt at Laboratory:

Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

#1 Released by: (Sig)	Date: 9.2.15	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name:	Time: 1100	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name:	Time:	Company Name:	Time:

MATRIX
WG = Ground water

SMCODE
B = Bailer

SACODE
N = Normal Sample

WQ = Water Quality Control Matrix
SO = Soil
GS = Gas Soil

G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
AC = Air Container

AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 9/1/2015

Project Name/Site Number: Griffiss Building 774/776 Outdoor Air and Building 785/786 Indoor/Outdoor Air and sub-slab vapor sampling

Weather conditions: Average temperature: 69 Average barometric reading: 30.07
Wind direction and speed: SSE 2 mph
Significant wind changes: None

General description of tasks completed: Buildings 774/776 Outdoor Air and 785/786 AOC Indoor, Outdoor Air and sub-slab vapor sampling at 786VMP-1, -2, -3, 785VMP-2, -4, and -5.

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None.

Corrective actions taken or instructions obtained from AFCEC personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Daniel Baldyga, FPM Project Manager Date: September 1, 2015

CQCC Signature: Cornelia Brian Hoesel Date: 9/9/15

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs)
	✓ Daily Health and Safety Meeting Form

Daily Health and Safety Meeting Form

Date: 9/1/15 *Time :* 0830

Location: FPM office (sample room)

Weather Conditions: Overcast, mid 60's. Calm winds, 30.09 in

Meeting Type: Daily Health and Safety

Personnel Present:

Mark Orifasi, Jake Pratt

Visitors Present: None

Visitor Training: None

PPE Required: Modified D

Possible risks, injuries, concerns:

Slip/trip/fall, heavy equipment operation @ 785/786.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

None

Property Damage:

None

Description (include sequence of events describing step by step how incident happened):

N/A

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

N/A

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

WEATHER OBSERVATION FORM

LOCATION: BMg 785/786

DATE: 9/1/15

FIELD PERSONNEL: Jake Pratt, Mark Grifasi

INSTRUMENTS (model and serial number):

Thermometer: X

Anemometer: X

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (degrees F)	Wind (mph)	Comments
Prior to Sampling	0753	—	30.09	64°	calm	overcast
Mid Day	1153	—	30.10	73°	W 6mph	overcast
	1253	—	30.10	73°	W 6mph	overcast
End of Sampling	1653	—	30.05	77°	NNW 8mph	Partly Cloudy

Notes: Additional measurements should be taken in case of weather condition changes.
Air sampling will be postponed if conditions move outside the acceptable range.

Sampling Event Acceptable Range:
1. Precipitation: dry while conducting sampling.
2. Atmospheric pressure: 29.7 – 30.4 in Hg.
3. Temperature: 35 – 95 degrees F. The ground must be completely thawed.
4. Wind: <10 mph.

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 9/1/15 TIME: 0805

SAMPLE IDENTIFICATION: 7747760A1AIA

SAMPLE DEPTH: 5ft above grade

FIELD PERSONNEL: Mark Grifasi, Jake Pratt

INSTRUMENTS (model and serial number):

PUMP: RKI O_2-20.9% CO_2-0% TVH = 0ppm

CGI:

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -2

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Dry

VOCs used during normal operations of facility: outdoor - fuel gas

Weather conditions: Outdoor temperature: 64°F

Barometric pressure: 30.09 in

Precipitation: 0.0

Ventilation conditions: N/A

Heating System Active? ☐ Yes ☐ No Indoor Air Temp.: N/A

Location in relation to sample location: N/A

Windows Closed? ☐ Yes ☐ No

Can #: 4088

reg #: 3188

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 9/1/15 TIME: 0815

SAMPLE IDENTIFICATION: 78578-OA11

SAMPLE DEPTH: 5ft above grade

FIELD PERSONNEL: Mark Grifasi, Jake Pratt

INSTRUMENTS (model and serial number):

PUMP: RKI: O_2 - 20.9 v% CO_2 - 0.0 v% TVH - 0 ppm

CGI:

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -1

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Dry

VOCs used during normal operations of facility: ~~N~~ N/A (outdoor)

Weather conditions: Outdoor temperature: 64°F

Barometric pressure: 30.09 in

Precipitation: 0.0

Ventilation conditions: outdoor air

Heating System Active? ☐ ~~N/A~~ ☐ No Indoor Air Temp.: N/A

Location in relation to sample location:

Windows Closed? ☐ ~~N/A~~ ☐ No

can #: 4309

reg #: 5181

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 9/1/15 TIME: 0825

SAMPLE IDENTIFICATION: 785IA15

SAMPLE DEPTH: 5ft above grade

FIELD PERSONNEL: Mark Grifos, Jake Pratt

INSTRUMENTS (model and serial number):

PUMP: RKI: O_2-20.9% CO_2-0% TVH-0ppm

CGI:

TYPE OF SAMPLE: ☑ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -2

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Dry

VOCs used during normal operations of facility:

Fuel gas

Weather conditions: Outdoor temperature: 64°F

Barometric pressure: 30.09 in

Precipitation: 0.0

Ventilation conditions: [redacted] door

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: ~70°F

Location in relation to sample location:

Windows Closed? ☑ Yes ☐ No

can #: 2725

reg#: 4246

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 9/1/15 TIME: 0830

SAMPLE IDENTIFICATION: 786TA14

SAMPLE DEPTH: 5A above grade

FIELD PERSONNEL: Jake Pratt, Mark Griffasi

INSTRUMENTS (model and serial number):

PUMP: RKI : O_2 -20.9% CO_2-0.1% TVH-0 ppm

CGI: _____

TYPE OF SAMPLE: ☑ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -1

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Dry

VOCs used during normal operations of facility: Fuel gas

Weather conditions: Outdoor temperature: 64°F

Barometric pressure: 30.09 in

Precipitation: 0.0

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: ~70°F

Location in relation to sample location: _____

Windows Closed? ☑ Yes ☐ No

Can #: 5717

Reg #: 2759

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 9.1.15 TIME: ~~1110~~ 1110

SAMPLE IDENTIFICATION: 786 UMP0102 PA

SAMPLE DEPTH: ~~3~~ 1A below slab

FIELD PERSONNEL: DP/MO

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle * see below

CGI: _____

TRACER GAS VERIFIED: ☐ Yes ☐ No ~~TRACER~~ GAS CONC. (%): _____

SAMPLE PURGE VOLUME: ~~1~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -5

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

fuel gas

Weather conditions: Outdoor temperature: 73°F

Barometric pressure: 30.11

Precipitation: None

Ventilation conditions: _____

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location: _____

Windows Closed? ☐ Yes ☒ No

* 1-kr 0.0
O_2 20.7
CO_2 0.0

can#: ~~4092~~ 4083

reg#: ~~5851~~ 4636

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 9.1.15 TIME: 1115

SAMPLE IDENTIFICATION: Thump 0202 PA

SAMPLE DEPTH: 0.2 1ft below slab

FIELD PERSONNEL: TP / mc

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle * see below

CGI: _____

N/A TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: ~~1~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -5

APPARENT MOISTURE CONTENT: (DRY)/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings)

VOCs used during normal operations of facility:

fuel gas

Weather conditions: Outdoor temperature: 73°F

Barometric pressure: 30.11

Precipitation: None

* Ventilation conditions: _____

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location: _____

Windows Closed? ☐ Yes ☒ No

Hex 0.0

O_2 20.9

CO_2 0.0

can #: 4072

reg #: 5011

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 9/1/15 TIME: 1105

SAMPLE IDENTIFICATION: 786VMP0302PA

SAMPLE DEPTH: 1ft below slab

FIELD PERSONNEL: Jake Pratt, Mark Grifasi

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle + see below

CGI:

TRACER GAS VERIFIED: ☐ Yes ☐ No N/A TRACER GAS CONC. (%):

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28

VACUUM AFTER SAMPLING: -2

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings*

VOCs used during normal operations of facility:

fuel gas

Weather conditions: Outdoor temperature: 73°F

Barometric pressure: 30.11

Precipitation: None

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location:

Windows Closed? ☐ Yes ☒ No

* Hex 0.0
O_2 20.9
CO_2 0.0

Can #: 3282

reg #: 4714

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 9.1.15 TIME: 1540

SAMPLE IDENTIFICATION: 785VMP0202PA/PC

SAMPLE DEPTH: ~~7.5~~ 1A below slab

FIELD PERSONNEL: JD/MG

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle - see below*

CGI:

N/A TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%):

SAMPLE PURGE VOLUME: ~~1~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28 / -26 Duplicate

VACUUM AFTER SAMPLING: -1 / -1

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

fuel gas

Weather conditions: Outdoor temperature: 78°F

* Barometric pressure: 30.07

Hex 30 ppm Precipitation: None

OxY 20.9 vol% Ventilation conditions: Good

CO2 0.0 vol% Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

Primary	Duplicate
can #: 4312	can #: 5727
reg #: 4978	reg #: 4974

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 5-1-15 TIME: 1545

SAMPLE IDENTIFICATION: 785VMP0401PA

SAMPLE DEPTH: 0 1 ft below slab

FIELD PERSONNEL: JB/MA

INSTRUMENTS (model and serial number):

PUMP: AGI Eagle - see below*

CGI:

N/A TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%):

SAMPLE PURGE VOLUME: ~~5~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -4

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings)

VOCs used during normal operations of facility:

fuel gas

Weather conditions: Outdoor temperature: 78°F

Barometric pressure: 30.07

* Precipitation: None

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70° F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

Flex 0.5

O_2 20.5

CO_2 0.0

primary

can #: 2521

reg #: 4597

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 9.1.15 TIME: 1600

SAMPLE IDENTIFICATION: 7ESVMP050.PA

SAMPLE DEPTH: 1ft below slab

FIELD PERSONNEL: DO/MW

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle see below*

CGI:

TRACER GAS VERIFIED: ☐ Yes ☐ No TRACER GAS CONC. (%):

N/A

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28

VACUUM AFTER SAMPLING: 0

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings)*

VOCs used during normal operations of facility:

fuel gas

Weather conditions: Outdoor temperature: 79°F

Barometric pressure: 30.06

Precipitation: None

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: ~70°F

Location in relation to sample location:

Windows Closed? ☒ Yes ☐ No

* Hex 0.0
O_2 20.9
CO_2 0.0

Can#: 5893
reg#: 4630

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature:	Phone: (315) 336-7721 Ext 207

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
786VMP0202PA	786VMP-2	9/1	1115	GS	AC	0/0	N	-30	-5	1	1	1	Can #4072 , Reg #5011
786VMP0302PA	786VMP-3	9/1	1105	GS	AC	0/0	N	-28	-2	1	1	1	Can #3282 , Reg #4714
786VMP0102PA	786VMP-1	9/1	1110	GS	AC	0/0	N	-30	-5	1	1	1	Can #4083 , Reg #4636
785IA15	785-IA	9/1	0825	GS	AC	0/0	N	-30	-2	1	1	1	Can #2725 , Reg #4246
786IA14	786-IA	9/1	0830	GS	AC	0/0	N	-30	-1	1	1	1	Can #5717 , Reg #2759
785786OA11	785786-OA	9/1	0815	GS	AC	0/0	N	-30	-1	1	1	1	Can #4309 , Reg #5181
785VMP0202PA	785VMP-2	9/1	1540	GS	AC	0/0	N	-28	-1	1	1	1	Can #4312 , Reg #4978
785VMP0501PA	785VMP-5	9/1	1600	GS	AC	0/0	N	-28	0	1	1	1	Can #5893 , Reg #4630
785VMP0401PA	785VMP-4	9/1	1545	GS	AC	0/0	N	-30	-4	1	1	1	Can #2521 , Reg #4597
785VMP0202PC	785VMP-2	9/1	1540	GS	AC	0/0	N	-26	-1	1	1	1	Can #5727 , Reg #4974
082815TB	Trip Blank	8/28	0745	GS	AC	0/0	T	N/A	N/A	1	1	1	Can #2876 , Reg #N/A

Sample Condition Upon Receipt at Laboratory:
Cooler Temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOC: Method TO-15 Full List
ANALYSIS NOTE 1: Cat B package required.

#1 Released by: (Sig)	Date: 9.2.15	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name:	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name:	Time:	Company Name:	Time:

Appendix D

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-29580-1

Job Description: Griffiss AFB 1015-1-01 SVI

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
9/14/2015 3:49 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
09/14/2015

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Table of Contents

Table of Contents

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB 1015-1-01 SVI
Report Number: 200-29580-1

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

Twenty-three samples were received at TestAmerica Burlington on 09/03/2015; the samples arrived in good condition and properly preserved.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 774776CA01MA (200-29580-1), 785786CA01MA (200-29580-2), 774VMP0101NA (200-29580-3), 774VMP0201NA (200-29580-4), 774VMP0301NA (200-29580-5), 776VMP0201NC (200-29580-6), 776VMP0201NA (200-29580-7), 776VMP0201NA (200-29580-8), 776VMP0301NA (200-29580-9), 774IA1NA (200-29580-10), 774776OA1NA (200-29580-11), 776IA1NA (200-29580-12), 786VMP0202PA (200-29580-13), 786VMP0302PA (200-29580-14), 786VMP0102PA (200-29580-15), 785IA15 (200-29580-16), 786IA14 (200-29580-17), 785786OA11 (200-29580-18), 785VMP0202PA (200-29580-19), 785VMP0501PA (200-29580-20), 785VMP0401PA (200-29580-21), 786VMP0202PC (200-29580-22) and 082815TB (200-29580-23) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 09/04/2015, 09/05/2015, 09/10/2015 and 09/11/2015.

Methylene Chloride was detected in method blank MB 200-93647/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Bromoform failed the recovery criteria high for LCS 200-93647/3. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported and flagged “Q”.

Bromoform failed the recovery criteria high for LCS 200-93784/3. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported and flagged “Q”.

The continuing calibration verification (CCV) associated with batch 200-93647 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 200-93784 recovered above the upper control limit for Benzyl Chloride and Bromoform. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

Samples 774VMP0301NA (200-29580-5), 785VMP0501PA (200-29580-20) and 785VMP0401PA (200-29580-21) required dilutions prior to analysis due to the abundance of target and/or non-target analytes. 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.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 92714

Lab Sample ID: IC 200-92714/4 Client Sample ID:

Date Analyzed: 08/13/15 17:16 Lab File ID: 15276_004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.34	Baseline	daiglep	08/14/15 09:16
Tetrachloroethene	19.00	Baseline	daiglep	08/19/15 10:06

Lab Sample ID: IC 200-92714/6 Client Sample ID:

Date Analyzed: 08/13/15 18:52 Lab File ID: 15276_006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 22	4.51	Baseline	daiglep	08/19/15 10:09
Chloromethane	5.02	Baseline	daiglep	08/14/15 09:20
n-Butane	5.30	Baseline	daiglep	08/14/15 09:20
3-Chloropropene	9.59	Baseline	daiglep	08/14/15 09:20
Acetonitrile	9.78	Baseline	daiglep	08/14/15 09:20
tert-Butyl alcohol	10.14	Baseline	daiglep	08/14/15 09:20
Acrylonitrile	10.63	Baseline	daiglep	08/14/15 09:20
Cyclohexane	13.52	Baseline	daiglep	08/14/15 09:20
n-Heptane	14.55	Baseline	daiglep	08/14/15 09:20
n-Butanol	15.31	Baseline	daiglep	08/14/15 09:20

Lab Sample ID: IC 200-92714/7 Client Sample ID:

Date Analyzed: 08/13/15 19:42 Lab File ID: 15276_007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	8.60	Baseline	daiglep	08/19/15 10:12
3-Chloropropene	9.61	Baseline	daiglep	08/14/15 09:22
Cyclohexane	13.52	Baseline	daiglep	08/14/15 09:22
cis-1,3-Dichloropropene	17.38	Baseline	daiglep	08/14/15 09:22
Chlorobenzene	20.80	Baseline	daiglep	08/14/15 09:22

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 93784

Lab Sample ID: 200-29580-1 Client Sample ID: 774776CA01MA

Date Analyzed: 09/10/15 14:13 Lab File ID: 15679_008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.92	Baseline	desjardin sb	09/11/15 10:39
tert-Butyl alcohol	10.13	Baseline	desjardin sb	09/11/15 10:39
1,1,1-Trichloroethane	13.54	Assign Peak	desjardin sb	09/11/15 10:39

Lab Sample ID: 200-29580-2 Client Sample ID: 785786CA01MA

Date Analyzed: 09/10/15 15:05 Lab File ID: 15679_009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butane	5.29	Baseline	desjardin sb	09/11/15 10:43
Methylene Chloride	9.94	Baseline	desjardin sb	09/11/15 10:43
cis-1,2-Dichloroethene	12.64	Baseline	desjardin sb	09/11/15 10:43
1,1,1-Trichloroethane	13.54	Baseline	desjardin sb	09/11/15 10:43

Lab Sample ID: 200-29580-4 Client Sample ID: 774VMP0201NA

Date Analyzed: 09/10/15 16:46 Lab File ID: 15679_011.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	9.18	Baseline	desjardin sb	09/11/15 11:00
Cyclohexane	13.50	Baseline	desjardin sb	09/11/15 11:00
1,1,1-Trichloroethane	13.54	Baseline	desjardin sb	09/11/15 11:00

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 93784

Lab Sample ID: 200-29580-5 Client Sample ID: 774VMP0301NA

Date Analyzed: 09/10/15 17:34 Lab File ID: 15679_012.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	7.29	Baseline	desjardin sb	09/11/15 11:01

Lab Sample ID: 200-29580-7 Client Sample ID: 776VMP0201NA

Date Analyzed: 09/10/15 19:15 Lab File ID: 15679_014.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	14.26	Baseline	desjardin sb	09/11/15 11:06

Lab Sample ID: 200-29580-9 Client Sample ID: 776VMP0301NA

Date Analyzed: 09/10/15 20:54 Lab File ID: 15679_016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	13.22	Baseline	desjardin sb	09/11/15 11:10
Cyclohexane	13.52	Baseline	desjardin sb	09/11/15 11:10

Lab Sample ID: 200-29580-13 Client Sample ID: 786VMP0202PA

Date Analyzed: 09/10/15 21:45 Lab File ID: 15679_017.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.94	Baseline	desjardin sb	09/11/15 11:32

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 93784

Lab Sample ID: 200-29580-15 Client Sample ID: 786VMP0102PA

Date Analyzed: 09/10/15 23:26 Lab File ID: 15679_019.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	9.17	Baseline	desjardin sb	09/11/15 11:38
Methylene Chloride	9.93	Baseline	desjardin sb	09/11/15 11:38

Lab Sample ID: 200-29580-20 Client Sample ID: 785VMP0501PA

Date Analyzed: 09/11/15 01:04 Lab File ID: 15679_021.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	7.29	Baseline	desjardin sb	09/11/15 11:42
Chloroform	13.22	Baseline	desjardin sb	09/11/15 11:42
Naphthalene	28.78	Baseline	desjardin sb	09/11/15 11:42

Lab Sample ID: 200-29580-22 Client Sample ID: 786VMP0202PC

Date Analyzed: 09/11/15 02:42 Lab File ID: 15679_023.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	12.62	Baseline	desjardin sb	09/11/15 11:45

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 93784

Lab Sample ID: 200-29580-21 Client Sample ID: 785VMP0401PA

Date Analyzed: 09/11/15 07:59 Lab File ID: 15679_024.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	7.29	Baseline	desjardinsb	09/11/15 11:48
Chloroform	13.21	Baseline	desjardinsb	09/11/15 11:48
Benzene	14.25	Baseline	desjardinsb	09/11/15 11:48

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHX.i Analysis Batch Number: 92823

Lab Sample ID: IC 200-92823/4 Client Sample ID:

Date Analyzed: 08/17/15 18:04 Lab File ID: 15313_04.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.81	Baseline	daiglep	08/18/15 09:13
1,1-Dichloroethane	8.71	Baseline	daiglep	08/18/15 09:13
Trichloroethene	12.74	Baseline	daiglep	08/18/15 09:13
Tetrachloroethene	16.58	Baseline	daiglep	08/18/15 09:13

Lab Sample ID: IC 200-92823/5 Client Sample ID:

Date Analyzed: 08/17/15 18:54 Lab File ID: 15313_05.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.12	Baseline	daiglep	08/18/15 09:17
Acetonitrile	7.28	Baseline	daiglep	08/18/15 09:17
tert-Butyl alcohol	7.70	Baseline	daiglep	08/18/15 09:17
Acrylonitrile	8.01	Baseline	daiglep	08/18/15 09:17
cis-1,2-Dichloroethene	9.81	Baseline	daiglep	08/18/15 09:17
Cyclohexane	10.65	Baseline	daiglep	08/18/15 09:17
1,1,1-Trichloroethane	10.69	Baseline	daiglep	08/18/15 09:17
1,2-Dichloroethane	11.60	Baseline	daiglep	08/18/15 09:17
n-Heptane	11.74	Baseline	daiglep	08/18/15 09:17
n-Butanol	12.72	Baseline	daiglep	08/18/15 09:17
1,2-Dichloropropane	13.33	Baseline	daiglep	08/18/15 09:17
Bromodichloromethane	13.90	Baseline	daiglep	08/18/15 09:17
Toluene	15.48	Baseline	daiglep	08/18/15 09:17
n-Octane	15.51	Baseline	daiglep	08/18/15 09:17
trans-1,3-Dichloropropene	16.10	Baseline	daiglep	08/18/15 09:17

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHX.i Analysis Batch Number: 92823

Lab Sample ID: IC 200-92823/6 Client Sample ID:

Date Analyzed: 08/17/15 19:44 Lab File ID: 15313_06.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.65	Baseline	daiglep	08/18/15 09:20
1,2-Dichloropropane	13.33	Baseline	daiglep	08/18/15 09:20

Lab Sample ID: IC 200-92823/7 Client Sample ID:

Date Analyzed: 08/17/15 20:33 Lab File ID: 15313_07.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4-Trichlorobenzene	25.69	Baseline	daiglep	08/18/15 09:29
Hexachlorobutadiene	25.87	Baseline	daiglep	08/18/15 09:29
Naphthalene	26.22	Baseline	daiglep	08/18/15 09:29

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHX.i Analysis Batch Number: 93647

Lab Sample ID: 200-29580-11 Client Sample ID: 774776OA1NA

Date Analyzed: 09/05/15 00:02 Lab File ID: 15629_16.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	11.42	Baseline	desjardin sb	09/08/15 09:00

Lab Sample ID: 200-29580-16 Client Sample ID: 785IA15

Date Analyzed: 09/05/15 01:41 Lab File ID: 15629_18.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.66	Baseline	desjardin sb	09/08/15 09:11
Benzene	11.42	Baseline	desjardin sb	09/08/15 09:11
n-Heptane	11.77	Baseline	desjardin sb	09/08/15 09:11

Lab Sample ID: 200-29580-17 Client Sample ID: 786IA14

Date Analyzed: 09/05/15 02:30 Lab File ID: 15629_19.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.66	Baseline	desjardin sb	09/08/15 09:14
2,2,4-Trimethylpentane	11.38	Baseline	desjardin sb	09/08/15 09:14
Benzene	11.42	Baseline	desjardin sb	09/08/15 09:14
n-Heptane	11.76	Baseline	desjardin sb	09/08/15 09:14

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHX.i Analysis Batch Number: 93647

Lab Sample ID: 200-29580-18 Client Sample ID: 785786OA11

Date Analyzed: 09/05/15 03:19 Lab File ID: 15629_20.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon TF	6.30	Baseline	desjardin sb	09/08/15 09:16
Xylene, o-	19.74	Baseline	desjardin sb	09/08/15 09:16

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-29580-1	774776CA01MA	Air	08/28/2015 1140	09/03/2015 1030
200-29580-2	785786CA01MA	Air	08/28/2015 1150	09/03/2015 1030
200-29580-3	774VMP0101NA	Air	08/31/2015 1108	09/03/2015 1030
200-29580-4	774VMP0201NA	Air	08/31/2015 1115	09/03/2015 1030
200-29580-5	774VMP0301NA	Air	08/31/2015 1120	09/03/2015 1030
200-29580-6	776VMP0201NC	Air	08/31/2015 1500	09/03/2015 1030
200-29580-7	776VMP0201NA	Air	08/31/2015 1500	09/03/2015 1030
200-29580-8	776VMP0201NA	Air	08/31/2015 1505	09/03/2015 1030
200-29580-9	776VMP0301NA	Air	08/31/2015 1515	09/03/2015 1030
200-29580-10	774IA1NA	Air	08/31/2015 0810	09/03/2015 1030
200-29580-11	774776OA1NA	Air	09/01/2015 0805	09/03/2015 1030
200-29580-12	776IA1NA	Air	08/31/2015 0820	09/03/2015 1030
200-29580-13	786VMP0202PA	Air	09/01/2015 1115	09/03/2015 1030
200-29580-14	786VMP0302PA	Air	09/01/2015 1105	09/03/2015 1030
200-29580-15	786VMP0102PA	Air	09/01/2015 1110	09/03/2015 1030
200-29580-16	785IA15	Air	09/01/2015 0825	09/03/2015 1030
200-29580-17	786IA14	Air	09/01/2015 0830	09/03/2015 1030
200-29580-18	785786OA11	Air	09/01/2015 0815	09/03/2015 1030
200-29580-19	785VMP0202PA	Air	09/01/2015 1540	09/03/2015 1030
200-29580-20	785VMP0501PA	Air	09/01/2015 1600	09/03/2015 1030
200-29580-21	785VMP0401PA	Air	09/01/2015 1545	09/03/2015 1030
200-29580-22	786VMP0202PC	Air	09/01/2015 1540	09/03/2015 1030
200-29580-23TB	082815TB	Air	08/28/2015 0745	09/03/2015 1030

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-1	**774776CA01MA**					
Dichlorodifluoromethane		1.4		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		6.8		2.5	ug/m3	TO-15
Freon 22		0.92		0.50	ppb v/v	TO-15
Freon 22		3.3		1.8	ug/m3	TO-15
Chloromethane		0.28	J	0.50	ppb v/v	TO-15
Chloromethane		0.58	J	1.0	ug/m3	TO-15
n-Butane		0.71		0.50	ppb v/v	TO-15
n-Butane		1.7		1.2	ug/m3	TO-15
Trichlorofluoromethane		7.5		0.20	ppb v/v	TO-15
Trichlorofluoromethane		42		1.1	ug/m3	TO-15
Acetone		15		5.0	ppb v/v	TO-15
Acetone		36		12	ug/m3	TO-15
Isopropyl alcohol		4.3	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		11	J	12	ug/m3	TO-15
Carbon disulfide		0.48	J	0.50	ppb v/v	TO-15
Carbon disulfide		1.5	J	1.6	ug/m3	TO-15
tert-Butyl alcohol		0.22	J M	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.65	J M	15	ug/m3	TO-15
n-Hexane		0.084	J	0.20	ppb v/v	TO-15
n-Hexane		0.30	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.0		1.5	ug/m3	TO-15
Chloroform		0.50		0.20	ppb v/v	TO-15
Chloroform		2.4		0.98	ug/m3	TO-15
Tetrahydrofuran		0.31	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.91	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.30	M	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.6	M	1.1	ug/m3	TO-15
Cyclohexane		0.042	J	0.20	ppb v/v	TO-15
Cyclohexane		0.14	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.24		0.20	ppb v/v	TO-15
Carbon tetrachloride		1.5		1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.23		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		1.1		0.93	ug/m3	TO-15
Benzene		0.11	J	0.20	ppb v/v	TO-15
Benzene		0.37	J	0.64	ug/m3	TO-15
Trichloroethene		15		0.20	ppb v/v	TO-15
Trichloroethene		82		1.1	ug/m3	TO-15
Toluene		0.29		0.20	ppb v/v	TO-15
Toluene		1.1		0.75	ug/m3	TO-15
Tetrachloroethene		0.10	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.69	J	1.4	ug/m3	TO-15
Ethylbenzene		0.28		0.20	ppb v/v	TO-15
Ethylbenzene		1.2		0.87	ug/m3	TO-15
m,p-Xylene		0.92		0.50	ppb v/v	TO-15
m,p-Xylene		4.0		2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.32		0.20	ppb v/v	TO-15
Xylene, o-		1.4		0.87	ug/m3	TO-15
Xylene (total)		1.2		0.70	ppb v/v	TO-15
Xylene (total)		5.4		3.0	ug/m3	TO-15
Styrene		0.034	J	0.20	ppb v/v	TO-15
Styrene		0.15	J	0.85	ug/m3	TO-15
Cumene		0.029	J	0.20	ppb v/v	TO-15
Cumene		0.14	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.061	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.30	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.55	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.085	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.42	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.29		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.4		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.089	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.49	J	1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-2	**785786CA01MA**					
Dichlorodifluoromethane		1.0		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		5.0		2.5	ug/m3	TO-15
Freon 22		0.65		0.50	ppb v/v	TO-15
Freon 22		2.3		1.8	ug/m3	TO-15
Chloromethane		0.73		0.50	ppb v/v	TO-15
Chloromethane		1.5		1.0	ug/m3	TO-15
n-Butane		0.45	J M	0.50	ppb v/v	TO-15
n-Butane		1.1	J M	1.2	ug/m3	TO-15
Chloroethane		0.073	J	0.50	ppb v/v	TO-15
Chloroethane		0.19	J	1.3	ug/m3	TO-15
Trichlorofluoromethane		0.46		0.20	ppb v/v	TO-15
Trichlorofluoromethane		2.6		1.1	ug/m3	TO-15
Freon TF		0.14	J	0.20	ppb v/v	TO-15
Freon TF		1.1	J	1.5	ug/m3	TO-15
Acetone		7.1		5.0	ppb v/v	TO-15
Acetone		17		12	ug/m3	TO-15
Isopropyl alcohol		0.43	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		1.1	J	12	ug/m3	TO-15
Carbon disulfide		1.4		0.50	ppb v/v	TO-15
Carbon disulfide		4.4		1.6	ug/m3	TO-15
Methylene Chloride		0.21	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.73	J M	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.15	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.46	J	15	ug/m3	TO-15
n-Hexane		0.068	J	0.20	ppb v/v	TO-15
n-Hexane		0.24	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.3		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.29	M	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		1.2	M	0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.29	J	0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.1	J	1.6	ug/m3	TO-15
Chloroform		0.51		0.20	ppb v/v	TO-15
Chloroform		2.5		0.98	ug/m3	TO-15
1,1,1-Trichloroethane		0.092	J M	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.50	J M	1.1	ug/m3	TO-15
Carbon tetrachloride		0.16	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		1.0	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.037	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.17	J	0.93	ug/m3	TO-15
Benzene		0.19	J	0.20	ppb v/v	TO-15
Benzene		0.61	J	0.64	ug/m3	TO-15
Trichloroethene		27		0.20	ppb v/v	TO-15
Trichloroethene		140		1.1	ug/m3	TO-15
Toluene		0.24		0.20	ppb v/v	TO-15
Toluene		0.89		0.75	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Tetrachloroethene		0.90		0.20	ppb v/v	TO-15
Tetrachloroethene		6.1		1.4	ug/m3	TO-15
Ethylbenzene		0.066	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.29	J	0.87	ug/m3	TO-15
m,p-Xylene		0.20	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.87	J	2.2	ug/m3	TO-15
Xylene, o-		0.064	J	0.20	ppb v/v	TO-15
Xylene, o-		0.28	J	0.87	ug/m3	TO-15
Xylene (total)		0.26	J	0.70	ppb v/v	TO-15
Xylene (total)		1.1	J	3.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.032	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.16	J	0.98	ug/m3	TO-15
Naphthalene		0.035	J	0.50	ppb v/v	TO-15
Naphthalene		0.18	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-3	**774VMP0101NA**					
Dichlorodifluoromethane		0.47	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Chloromethane		0.53		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		0.47	J	0.50	ppb v/v	TO-15
n-Butane		1.1	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.37		0.20	ppb v/v	TO-15
Trichlorofluoromethane		2.1		1.1	ug/m3	TO-15
Freon TF		0.070	J	0.20	ppb v/v	TO-15
Freon TF		0.54	J	1.5	ug/m3	TO-15
Acetone		8.2		5.0	ppb v/v	TO-15
Acetone		20		12	ug/m3	TO-15
Isopropyl alcohol		3.0	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		7.4	J	12	ug/m3	TO-15
Carbon disulfide		2.9		0.50	ppb v/v	TO-15
Carbon disulfide		9.0		1.6	ug/m3	TO-15
Methylene Chloride		0.15	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.53	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.25	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.77	J	15	ug/m3	TO-15
n-Hexane		0.060	J	0.20	ppb v/v	TO-15
n-Hexane		0.21	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.88		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.6		1.5	ug/m3	TO-15
Chloroform		0.099	J	0.20	ppb v/v	TO-15
Chloroform		0.49	J	0.98	ug/m3	TO-15
Cyclohexane		0.17	J	0.20	ppb v/v	TO-15
Cyclohexane		0.59	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.083	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.52	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.039	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.18	J	0.93	ug/m3	TO-15
Benzene		0.13	J	0.20	ppb v/v	TO-15
Benzene		0.43	J	0.64	ug/m3	TO-15
Trichloroethene		0.092	J	0.20	ppb v/v	TO-15
Trichloroethene		0.50	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.20	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.80	J	2.0	ug/m3	TO-15
Toluene		0.91		0.20	ppb v/v	TO-15
Toluene		3.4		0.75	ug/m3	TO-15
Ethylbenzene		1.4		0.20	ppb v/v	TO-15
Ethylbenzene		6.2		0.87	ug/m3	TO-15
m,p-Xylene		1.5		0.50	ppb v/v	TO-15
m,p-Xylene		6.3		2.2	ug/m3	TO-15
Xylene, o-		0.53		0.20	ppb v/v	TO-15
Xylene, o-		2.3		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		2.0		0.70	ppb v/v	TO-15
Xylene (total)		8.8		3.0	ug/m3	TO-15
Styrene		0.13	J	0.20	ppb v/v	TO-15
Styrene		0.54	J	0.85	ug/m3	TO-15
Cumene		0.10	J	0.20	ppb v/v	TO-15
Cumene		0.49	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.091	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.45	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.52	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.10	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.49	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.37		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.8		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.15	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.81	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.11	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.65	J	1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.17	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		1.0	J	1.2	ug/m3	TO-15
Naphthalene		0.10	J	0.50	ppb v/v	TO-15
Naphthalene		0.54	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-4	**774VMP0201NA**					
Dichlorodifluoromethane		0.58		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.9		2.5	ug/m3	TO-15
Chloromethane		0.39	J	0.50	ppb v/v	TO-15
Chloromethane		0.82	J	1.0	ug/m3	TO-15
n-Butane		0.79		0.50	ppb v/v	TO-15
n-Butane		1.9		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.53		0.20	ppb v/v	TO-15
Trichlorofluoromethane		3.0		1.1	ug/m3	TO-15
Freon TF		0.086	J	0.20	ppb v/v	TO-15
Freon TF		0.66	J	1.5	ug/m3	TO-15
Acetone		12		5.0	ppb v/v	TO-15
Acetone		29		12	ug/m3	TO-15
Isopropyl alcohol		2.9	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		7.1	J	12	ug/m3	TO-15
Carbon disulfide		0.062	J M	0.50	ppb v/v	TO-15
Carbon disulfide		0.19	J M	1.6	ug/m3	TO-15
Methylene Chloride		0.13	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.45	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.21	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.63	J	15	ug/m3	TO-15
n-Hexane		0.11	J	0.20	ppb v/v	TO-15
n-Hexane		0.37	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.63		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.9		1.5	ug/m3	TO-15
Chloroform		0.12	J	0.20	ppb v/v	TO-15
Chloroform		0.58	J	0.98	ug/m3	TO-15
1,1,1-Trichloroethane		0.12	J M	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.66	J M	1.1	ug/m3	TO-15
Cyclohexane		0.054	J M	0.20	ppb v/v	TO-15
Cyclohexane		0.19	J M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.11	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.67	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.045	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.21	J	0.93	ug/m3	TO-15
Benzene		0.13	J	0.20	ppb v/v	TO-15
Benzene		0.41	J	0.64	ug/m3	TO-15
n-Heptane		0.071	J	0.20	ppb v/v	TO-15
n-Heptane		0.29	J	0.82	ug/m3	TO-15
Trichloroethene		0.35		0.20	ppb v/v	TO-15
Trichloroethene		1.9		1.1	ug/m3	TO-15
Toluene		1.1		0.20	ppb v/v	TO-15
Toluene		4.1		0.75	ug/m3	TO-15
Ethylbenzene		1.2		0.20	ppb v/v	TO-15
Ethylbenzene		5.2		0.87	ug/m3	TO-15
m,p-Xylene		1.3		0.50	ppb v/v	TO-15
m,p-Xylene		5.7		2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.50		0.20	ppb v/v	TO-15
Xylene, o-		2.2		0.87	ug/m3	TO-15
Xylene (total)		1.8		0.70	ppb v/v	TO-15
Xylene (total)		7.8		3.0	ug/m3	TO-15
Styrene		0.13	J	0.20	ppb v/v	TO-15
Styrene		0.55	J	0.85	ug/m3	TO-15
Cumene		0.088	J	0.20	ppb v/v	TO-15
Cumene		0.43	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.093	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.46	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.13	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.64	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.10	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.50	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.36		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.8		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.051	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.28	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.12	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.71	J	1.2	ug/m3	TO-15
Naphthalene		0.16	J	0.50	ppb v/v	TO-15
Naphthalene		0.82	J	2.6	ug/m3	TO-15
200-29580-5	**774VMP0301NA**					
Trichlorofluoromethane		2.2	J D M	4.0	ppb v/v	TO-15
Trichlorofluoromethane		13	J D M	22	ug/m3	TO-15
Isopropyl alcohol		3.6	J D	100	ppb v/v	TO-15
Isopropyl alcohol		8.9	J D	250	ug/m3	TO-15
Carbon tetrachloride		61	D	4.0	ppb v/v	TO-15
Carbon tetrachloride		380	D	25	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-6	**776VMP0201NC**					
Dichlorodifluoromethane		0.55		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.7		2.5	ug/m3	TO-15
Freon 22		0.57		0.50	ppb v/v	TO-15
Freon 22		2.0		1.8	ug/m3	TO-15
Chloromethane		0.13	J	0.50	ppb v/v	TO-15
Chloromethane		0.27	J	1.0	ug/m3	TO-15
n-Butane		0.99		0.50	ppb v/v	TO-15
n-Butane		2.3		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.27		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.5		1.1	ug/m3	TO-15
Freon TF		0.13	J	0.20	ppb v/v	TO-15
Freon TF		0.98	J	1.5	ug/m3	TO-15
Acetone		14		5.0	ppb v/v	TO-15
Acetone		33		12	ug/m3	TO-15
Isopropyl alcohol		14		5.0	ppb v/v	TO-15
Isopropyl alcohol		34		12	ug/m3	TO-15
Carbon disulfide		0.22	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.70	J	1.6	ug/m3	TO-15
Methylene Chloride		0.16	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.56	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.48	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		1.4	J	15	ug/m3	TO-15
n-Hexane		0.19	J	0.20	ppb v/v	TO-15
n-Hexane		0.68	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.0		1.5	ug/m3	TO-15
Chloroform		0.094	J	0.20	ppb v/v	TO-15
Chloroform		0.46	J	0.98	ug/m3	TO-15
Cyclohexane		0.17	J	0.20	ppb v/v	TO-15
Cyclohexane		0.57	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.11	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.69	J	1.3	ug/m3	TO-15
Benzene		0.11	J	0.20	ppb v/v	TO-15
Benzene		0.35	J	0.64	ug/m3	TO-15
Trichloroethene		0.078	J	0.20	ppb v/v	TO-15
Trichloroethene		0.42	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.24	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.99	J	2.0	ug/m3	TO-15
Toluene		0.94		0.20	ppb v/v	TO-15
Toluene		3.5		0.75	ug/m3	TO-15
Ethylbenzene		1.6		0.20	ppb v/v	TO-15
Ethylbenzene		6.8		0.87	ug/m3	TO-15
m,p-Xylene		1.5		0.50	ppb v/v	TO-15
m,p-Xylene		6.7		2.2	ug/m3	TO-15
Xylene, o-		0.58		0.20	ppb v/v	TO-15
Xylene, o-		2.5		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		2.1		0.70	ppb v/v	TO-15
Xylene (total)		9.0		3.0	ug/m3	TO-15
Styrene		0.15	J	0.20	ppb v/v	TO-15
Styrene		0.62	J	0.85	ug/m3	TO-15
Cumene		0.13	J	0.20	ppb v/v	TO-15
Cumene		0.64	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.11	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.52	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.11	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.57	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.11	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.54	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.42		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.0		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.054	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.29	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.16	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.96	J	1.2	ug/m3	TO-15
Naphthalene		0.15	J	0.50	ppb v/v	TO-15
Naphthalene		0.76	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-7	**776VMP0201NA**					
Dichlorodifluoromethane		0.56		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.8		2.5	ug/m3	TO-15
Freon 22		1.3		0.50	ppb v/v	TO-15
Freon 22		4.6		1.8	ug/m3	TO-15
Chloromethane		0.42	J	0.50	ppb v/v	TO-15
Chloromethane		0.87	J	1.0	ug/m3	TO-15
n-Butane		2.2		0.50	ppb v/v	TO-15
n-Butane		5.2		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.27		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.5		1.1	ug/m3	TO-15
Freon TF		0.12	J	0.20	ppb v/v	TO-15
Freon TF		0.89	J	1.5	ug/m3	TO-15
Acetone		15		5.0	ppb v/v	TO-15
Acetone		35		12	ug/m3	TO-15
Isopropyl alcohol		17		5.0	ppb v/v	TO-15
Isopropyl alcohol		42		12	ug/m3	TO-15
Carbon disulfide		0.11	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.34	J	1.6	ug/m3	TO-15
Methylene Chloride		0.14	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.48	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.79	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.4	J	15	ug/m3	TO-15
n-Hexane		0.33		0.20	ppb v/v	TO-15
n-Hexane		1.2		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.1		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.2		1.5	ug/m3	TO-15
Chloroform		0.13	J	0.20	ppb v/v	TO-15
Chloroform		0.62	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.20	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.58	J	15	ug/m3	TO-15
Cyclohexane		0.12	J	0.20	ppb v/v	TO-15
Cyclohexane		0.41	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.098	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.62	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.046	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.21	J	0.93	ug/m3	TO-15
Benzene		0.13	J M	0.20	ppb v/v	TO-15
Benzene		0.41	J M	0.64	ug/m3	TO-15
n-Heptane		0.086	J	0.20	ppb v/v	TO-15
n-Heptane		0.35	J	0.82	ug/m3	TO-15
Trichloroethene		0.14	J	0.20	ppb v/v	TO-15
Trichloroethene		0.76	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.20	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.82	J	2.0	ug/m3	TO-15
Toluene		1.3		0.20	ppb v/v	TO-15
Toluene		4.9		0.75	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Ethylbenzene		2.3		0.20	ppb v/v	TO-15
Ethylbenzene		10		0.87	ug/m3	TO-15
m,p-Xylene		2.2		0.50	ppb v/v	TO-15
m,p-Xylene		9.6		2.2	ug/m3	TO-15
Xylene, o-		0.83		0.20	ppb v/v	TO-15
Xylene, o-		3.6		0.87	ug/m3	TO-15
Xylene (total)		3.0		0.70	ppb v/v	TO-15
Xylene (total)		13		3.0	ug/m3	TO-15
Styrene		0.21		0.20	ppb v/v	TO-15
Styrene		0.91		0.85	ug/m3	TO-15
Cumene		0.17	J	0.20	ppb v/v	TO-15
Cumene		0.82	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.13	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.65	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.17	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.82	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.15	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.73	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.53		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.6		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.061	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.34	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.20		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		1.2		1.2	ug/m3	TO-15
Naphthalene		0.16	J	0.50	ppb v/v	TO-15
Naphthalene		0.85	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-8	**776VMP0201NA**					
Dichlorodifluoromethane		0.52		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.6		2.5	ug/m3	TO-15
Freon 22		1.2		0.50	ppb v/v	TO-15
Freon 22		4.2		1.8	ug/m3	TO-15
Chloromethane		0.48	J	0.50	ppb v/v	TO-15
Chloromethane		0.98	J	1.0	ug/m3	TO-15
n-Butane		2.1		0.50	ppb v/v	TO-15
n-Butane		5.1		1.2	ug/m3	TO-15
Chloroethane		0.10	J	0.50	ppb v/v	TO-15
Chloroethane		0.27	J	1.3	ug/m3	TO-15
Trichlorofluoromethane		0.25		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.11	J	0.20	ppb v/v	TO-15
Freon TF		0.83	J	1.5	ug/m3	TO-15
Acetone		16		5.0	ppb v/v	TO-15
Acetone		38		12	ug/m3	TO-15
Isopropyl alcohol		16		5.0	ppb v/v	TO-15
Isopropyl alcohol		40		12	ug/m3	TO-15
Carbon disulfide		0.70		0.50	ppb v/v	TO-15
Carbon disulfide		2.2		1.6	ug/m3	TO-15
Methylene Chloride		0.12	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.43	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.89	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.7	J	15	ug/m3	TO-15
n-Hexane		0.33		0.20	ppb v/v	TO-15
n-Hexane		1.2		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.5		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.4		1.5	ug/m3	TO-15
Chloroform		0.11	J	0.20	ppb v/v	TO-15
Chloroform		0.54	J	0.98	ug/m3	TO-15
Tetrahydrofuran		0.28	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.82	J	15	ug/m3	TO-15
Cyclohexane		0.098	J	0.20	ppb v/v	TO-15
Cyclohexane		0.34	J	0.69	ug/m3	TO-15
Carbon tetrachloride		0.096	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.60	J	1.3	ug/m3	TO-15
Benzene		0.14	J	0.20	ppb v/v	TO-15
Benzene		0.46	J	0.64	ug/m3	TO-15
1,2-Dichloroethane		0.054	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.22	J	0.81	ug/m3	TO-15
Trichloroethene		0.15	J	0.20	ppb v/v	TO-15
Trichloroethene		0.81	J	1.1	ug/m3	TO-15
1,4-Dioxane		3.3	J	5.0	ppb v/v	TO-15
1,4-Dioxane		12	J	18	ug/m3	TO-15
methyl isobutyl ketone		0.22	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.92	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID / Client Sample ID / Analyte	Result	Qualifier	Reporting Limit	Units	Method
Toluene	1.3		0.20	ppb v/v	TO-15
Toluene	5.0		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)	0.17	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)	0.70	J	2.0	ug/m3	TO-15
Ethylbenzene	1.7		0.20	ppb v/v	TO-15
Ethylbenzene	7.6		0.87	ug/m3	TO-15
m,p-Xylene	1.8		0.50	ppb v/v	TO-15
m,p-Xylene	7.8		2.2	ug/m3	TO-15
Xylene, o-	0.71		0.20	ppb v/v	TO-15
Xylene, o-	3.1		0.87	ug/m3	TO-15
Xylene (total)	2.5		0.70	ppb v/v	TO-15
Xylene (total)	11		3.0	ug/m3	TO-15
Styrene	0.21		0.20	ppb v/v	TO-15
Styrene	0.88		0.85	ug/m3	TO-15
Cumene	0.14	J	0.20	ppb v/v	TO-15
Cumene	0.67	J	0.98	ug/m3	TO-15
n-Propylbenzene	0.13	J	0.20	ppb v/v	TO-15
n-Propylbenzene	0.64	J	0.98	ug/m3	TO-15
4-Ethyltoluene	0.16	J	0.20	ppb v/v	TO-15
4-Ethyltoluene	0.79	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.13	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene	0.66	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.47		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene	2.3		0.98	ug/m3	TO-15
4-Isopropyltoluene	0.061	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene	0.34	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene	0.17	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene	1.0	J	1.2	ug/m3	TO-15
Naphthalene	0.14	J	0.50	ppb v/v	TO-15
Naphthalene	0.75	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-9	**776VMP0301NA**					
Dichlorodifluoromethane		0.53		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.6		2.5	ug/m3	TO-15
Freon 22		1.7		0.50	ppb v/v	TO-15
Freon 22		6.0		1.8	ug/m3	TO-15
Chloromethane		0.32	J	0.50	ppb v/v	TO-15
Chloromethane		0.67	J	1.0	ug/m3	TO-15
n-Butane		0.49	J	0.50	ppb v/v	TO-15
n-Butane		1.2	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.072	J	0.20	ppb v/v	TO-15
Freon TF		0.55	J	1.5	ug/m3	TO-15
Acetone		11		5.0	ppb v/v	TO-15
Acetone		27		12	ug/m3	TO-15
Isopropyl alcohol		12		5.0	ppb v/v	TO-15
Isopropyl alcohol		29		12	ug/m3	TO-15
Carbon disulfide		0.30	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.93	J	1.6	ug/m3	TO-15
Methylene Chloride		0.16	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.57	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.23	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.69	J	15	ug/m3	TO-15
n-Hexane		0.11	J	0.20	ppb v/v	TO-15
n-Hexane		0.37	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.2		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.6		1.5	ug/m3	TO-15
Chloroform		0.096	J M	0.20	ppb v/v	TO-15
Chloroform		0.47	J M	0.98	ug/m3	TO-15
1,1,1-Trichloroethane		0.033	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.18	J	1.1	ug/m3	TO-15
Cyclohexane		0.23	M	0.20	ppb v/v	TO-15
Cyclohexane		0.81	M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.097	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.61	J	1.3	ug/m3	TO-15
Benzene		0.088	J	0.20	ppb v/v	TO-15
Benzene		0.28	J	0.64	ug/m3	TO-15
Trichloroethene		0.95		0.20	ppb v/v	TO-15
Trichloroethene		5.1		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.27	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.1	J	2.0	ug/m3	TO-15
Toluene		0.26		0.20	ppb v/v	TO-15
Toluene		1.0		0.75	ug/m3	TO-15
Ethylbenzene		0.066	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.29	J	0.87	ug/m3	TO-15
m,p-Xylene		0.16	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.71	J	2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.060	J	0.20	ppb v/v	TO-15
Xylene, o-		0.26	J	0.87	ug/m3	TO-15
Xylene (total)		0.22	J	0.70	ppb v/v	TO-15
Xylene (total)		0.96	J	3.0	ug/m3	TO-15
Styrene		0.082	J	0.20	ppb v/v	TO-15
Styrene		0.35	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.047	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.23	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.039	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.22	J	1.1	ug/m3	TO-15
Naphthalene		0.058	J	0.50	ppb v/v	TO-15
Naphthalene		0.31	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-10	**774IA1NA**					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Chloromethane		0.50		0.50	ppb v/v	TO-15
Chloromethane		1.0		1.0	ug/m3	TO-15
n-Butane		0.45	J	0.50	ppb v/v	TO-15
n-Butane		1.1	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.44		0.20	ppb v/v	TO-15
Trichlorofluoromethane		2.5		1.1	ug/m3	TO-15
Freon TF		0.064	J	0.20	ppb v/v	TO-15
Freon TF		0.49	J	1.5	ug/m3	TO-15
Acetone		5.2		5.0	ppb v/v	TO-15
Acetone		12		12	ug/m3	TO-15
Methylene Chloride		0.24	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.84	J	1.7	ug/m3	TO-15
n-Hexane		0.078	J	0.20	ppb v/v	TO-15
n-Hexane		0.28	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.32	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		0.93	J	1.5	ug/m3	TO-15
Chloroform		0.038	J	0.20	ppb v/v	TO-15
Chloroform		0.18	J	0.98	ug/m3	TO-15
Carbon tetrachloride		0.069	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.43	J	1.3	ug/m3	TO-15
Benzene		0.10	J	0.20	ppb v/v	TO-15
Benzene		0.32	J	0.64	ug/m3	TO-15
Toluene		0.22		0.20	ppb v/v	TO-15
Toluene		0.85		0.75	ug/m3	TO-15
Ethylbenzene		0.044	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.19	J	0.87	ug/m3	TO-15
m,p-Xylene		0.12	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.50	J	2.2	ug/m3	TO-15
Xylene, o-		0.042	J	0.20	ppb v/v	TO-15
Xylene, o-		0.18	J	0.87	ug/m3	TO-15
Xylene (total)		0.16	J	0.70	ppb v/v	TO-15
Xylene (total)		0.70	J	3.0	ug/m3	TO-15
Styrene		0.030	J	0.20	ppb v/v	TO-15
Styrene		0.13	J	0.85	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.026	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.13	J	0.98	ug/m3	TO-15
Naphthalene		0.092	J	0.50	ppb v/v	TO-15
Naphthalene		0.48	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-11	**774776OA1NA**					
Dichlorodifluoromethane		0.46	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.27	J	0.50	ppb v/v	TO-15
Freon 22		0.96	J	1.8	ug/m3	TO-15
Chloromethane		0.82		0.50	ppb v/v	TO-15
Chloromethane		1.7		1.0	ug/m3	TO-15
n-Butane		0.37	J	0.50	ppb v/v	TO-15
n-Butane		0.88	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.23		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.057	J	0.20	ppb v/v	TO-15
Freon TF		0.43	J	1.5	ug/m3	TO-15
Acetone		5.6		5.0	ppb v/v	TO-15
Acetone		13		12	ug/m3	TO-15
Methylene Chloride		0.22	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.75	J	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.69		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.0		1.5	ug/m3	TO-15
Carbon tetrachloride		0.069	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.43	J	1.3	ug/m3	TO-15
Benzene		0.10	J M	0.20	ppb v/v	TO-15
Benzene		0.33	J M	0.64	ug/m3	TO-15
1,4-Dioxane		0.19	J	5.0	ppb v/v	TO-15
1,4-Dioxane		0.69	J	18	ug/m3	TO-15
methyl isobutyl ketone		0.23	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.95	J	2.0	ug/m3	TO-15
Toluene		0.19	J	0.20	ppb v/v	TO-15
Toluene		0.73	J	0.75	ug/m3	TO-15
Ethylbenzene		0.049	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.21	J	0.87	ug/m3	TO-15
m,p-Xylene		0.17	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.72	J	2.2	ug/m3	TO-15
Xylene, o-		0.066	J	0.20	ppb v/v	TO-15
Xylene, o-		0.28	J	0.87	ug/m3	TO-15
Xylene (total)		0.24	J	0.70	ppb v/v	TO-15
Xylene (total)		1.0	J	3.0	ug/m3	TO-15
n-Propylbenzene		0.028	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.14	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.034	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.17	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.030	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.15	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.13	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.64	J	0.98	ug/m3	TO-15
Naphthalene		0.070	J	0.50	ppb v/v	TO-15
Naphthalene		0.37	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-12	**776IA1NA**					
Dichlorodifluoromethane		0.48	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		1.2		0.50	ppb v/v	TO-15
Freon 22		4.4		1.8	ug/m3	TO-15
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
n-Butane		0.63		0.50	ppb v/v	TO-15
n-Butane		1.5		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.23		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.055	J	0.20	ppb v/v	TO-15
Freon TF		0.42	J	1.5	ug/m3	TO-15
Acetone		13		5.0	ppb v/v	TO-15
Acetone		32		12	ug/m3	TO-15
Isopropyl alcohol		11		5.0	ppb v/v	TO-15
Isopropyl alcohol		28		12	ug/m3	TO-15
Carbon disulfide		0.22	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.69	J	1.6	ug/m3	TO-15
Methylene Chloride		0.27	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.95	J	1.7	ug/m3	TO-15
n-Hexane		0.095	J	0.20	ppb v/v	TO-15
n-Hexane		0.33	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.3		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.9		1.5	ug/m3	TO-15
Chloroform		0.044	J	0.20	ppb v/v	TO-15
Chloroform		0.22	J	0.98	ug/m3	TO-15
Carbon tetrachloride		0.081	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.51	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.056	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.26	J	0.93	ug/m3	TO-15
Benzene		0.12	J	0.20	ppb v/v	TO-15
Benzene		0.37	J	0.64	ug/m3	TO-15
Trichloroethene		0.097	J	0.20	ppb v/v	TO-15
Trichloroethene		0.52	J	1.1	ug/m3	TO-15
Toluene		0.38		0.20	ppb v/v	TO-15
Toluene		1.4		0.75	ug/m3	TO-15
Ethylbenzene		0.086	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.37	J	0.87	ug/m3	TO-15
m,p-Xylene		0.20	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.89	J	2.2	ug/m3	TO-15
Xylene, o-		0.073	J	0.20	ppb v/v	TO-15
Xylene, o-		0.32	J	0.87	ug/m3	TO-15
Xylene (total)		0.27	J	0.70	ppb v/v	TO-15
Xylene (total)		1.2	J	3.0	ug/m3	TO-15
Styrene		0.078	J	0.20	ppb v/v	TO-15
Styrene		0.33	J	0.85	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,3,5-Trimethylbenzene		0.020	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.097	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.059	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.29	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.023	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.13	J	1.1	ug/m3	TO-15
Naphthalene		0.20	J	0.50	ppb v/v	TO-15
Naphthalene		1.1	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-13	**786VMP0202PA**					
Dichlorodifluoromethane		0.50		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		0.23	J	0.50	ppb v/v	TO-15
Freon 22		0.80	J	1.8	ug/m3	TO-15
Trichlorofluoromethane		0.29		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.6		1.1	ug/m3	TO-15
Freon TF		0.15	J	0.20	ppb v/v	TO-15
Freon TF		1.2	J	1.5	ug/m3	TO-15
Acetone		2.6	J	5.0	ppb v/v	TO-15
Acetone		6.1	J	12	ug/m3	TO-15
Isopropyl alcohol		0.26	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.64	J	12	ug/m3	TO-15
Carbon disulfide		0.47	J	0.50	ppb v/v	TO-15
Carbon disulfide		1.5	J	1.6	ug/m3	TO-15
Methyl Ethyl Ketone		0.31	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		0.93	J	1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.089	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.35	J	0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.089	J	0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		0.35	J	1.6	ug/m3	TO-15
Chloroform		6.4		0.20	ppb v/v	TO-15
Chloroform		31		0.98	ug/m3	TO-15
1,1,1-Trichloroethane		0.86		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		4.7		1.1	ug/m3	TO-15
Carbon tetrachloride		0.090	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.57	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.030	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.14	J	0.93	ug/m3	TO-15
Benzene		0.086	J	0.20	ppb v/v	TO-15
Benzene		0.27	J	0.64	ug/m3	TO-15
Trichloroethene		25		0.20	ppb v/v	TO-15
Trichloroethene		130		1.1	ug/m3	TO-15
Bromodichloromethane		0.13	J	0.20	ppb v/v	TO-15
Bromodichloromethane		0.86	J	1.3	ug/m3	TO-15
Toluene		0.042	J	0.20	ppb v/v	TO-15
Toluene		0.16	J	0.75	ug/m3	TO-15
Tetrachloroethene		0.45		0.20	ppb v/v	TO-15
Tetrachloroethene		3.0		1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-14	**786VMP0302PA**					
Dichlorodifluoromethane		0.53		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.6		2.5	ug/m3	TO-15
Freon 22		0.27	J	0.50	ppb v/v	TO-15
Freon 22		0.94	J	1.8	ug/m3	TO-15
n-Butane		14		0.50	ppb v/v	TO-15
n-Butane		33		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.083	J	0.20	ppb v/v	TO-15
Freon TF		0.63	J	1.5	ug/m3	TO-15
Acetone		21		5.0	ppb v/v	TO-15
Acetone		50		12	ug/m3	TO-15
Isopropyl alcohol		0.50	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		1.2	J	12	ug/m3	TO-15
Carbon disulfide		0.66		0.50	ppb v/v	TO-15
Carbon disulfide		2.1		1.6	ug/m3	TO-15
tert-Butyl alcohol		0.21	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		0.65	J	15	ug/m3	TO-15
n-Hexane		6.7		0.20	ppb v/v	TO-15
n-Hexane		24		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		8.6		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		25		1.5	ug/m3	TO-15
Carbon tetrachloride		0.089	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.56	J	1.3	ug/m3	TO-15
Benzene		0.87		0.20	ppb v/v	TO-15
Benzene		2.8		0.64	ug/m3	TO-15
n-Heptane		5.3		0.20	ppb v/v	TO-15
n-Heptane		22		0.82	ug/m3	TO-15
Trichloroethene		3.3		0.20	ppb v/v	TO-15
Trichloroethene		18		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.47	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.9	J	2.0	ug/m3	TO-15
Toluene		0.69		0.20	ppb v/v	TO-15
Toluene		2.6		0.75	ug/m3	TO-15
Tetrachloroethene		0.17	J	0.20	ppb v/v	TO-15
Tetrachloroethene		1.1	J	1.4	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.46	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.9	J	2.0	ug/m3	TO-15
Ethylbenzene		0.16	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.71	J	0.87	ug/m3	TO-15
m,p-Xylene		0.18	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.77	J	2.2	ug/m3	TO-15
Xylene, o-		0.079	J	0.20	ppb v/v	TO-15
Xylene, o-		0.34	J	0.87	ug/m3	TO-15
Xylene (total)		0.26	J	0.70	ppb v/v	TO-15
Xylene (total)		1.1	J	3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Styrene		0.039	J	0.20	ppb v/v	TO-15
Styrene		0.16	J	0.85	ug/m3	TO-15
Cumene		0.021	J	0.20	ppb v/v	TO-15
Cumene		0.11	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.036	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.18	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.048	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.23	J	0.98	ug/m3	TO-15
Naphthalene		0.043	J	0.50	ppb v/v	TO-15
Naphthalene		0.23	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-15	**786VMP0102PA**					
Dichlorodifluoromethane		0.81		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		4.0		2.5	ug/m3	TO-15
Freon 22		0.40	J	0.50	ppb v/v	TO-15
Freon 22		1.4	J	1.8	ug/m3	TO-15
Chloromethane		0.15	J	0.50	ppb v/v	TO-15
Chloromethane		0.31	J	1.0	ug/m3	TO-15
n-Butane		1.8		0.50	ppb v/v	TO-15
n-Butane		4.3		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.38		0.20	ppb v/v	TO-15
Trichlorofluoromethane		2.1		1.1	ug/m3	TO-15
Freon TF		0.13	J	0.20	ppb v/v	TO-15
Freon TF		0.99	J	1.5	ug/m3	TO-15
Acetone		6.4		5.0	ppb v/v	TO-15
Acetone		15		12	ug/m3	TO-15
Isopropyl alcohol		1.8	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		4.5	J	12	ug/m3	TO-15
Carbon disulfide		0.22	J M	0.50	ppb v/v	TO-15
Carbon disulfide		0.69	J M	1.6	ug/m3	TO-15
Methylene Chloride		0.28	J M	0.50	ppb v/v	TO-15
Methylene Chloride		0.97	J M	1.7	ug/m3	TO-15
tert-Butyl alcohol		1.3	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		4.1	J	15	ug/m3	TO-15
Methyl Ethyl Ketone		0.79		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.3		1.5	ug/m3	TO-15
Chloroform		0.23		0.20	ppb v/v	TO-15
Chloroform		1.1		0.98	ug/m3	TO-15
Carbon tetrachloride		0.12	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.78	J	1.3	ug/m3	TO-15
Benzene		0.098	J	0.20	ppb v/v	TO-15
Benzene		0.31	J	0.64	ug/m3	TO-15
Trichloroethene		30		0.20	ppb v/v	TO-15
Trichloroethene		160		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.21	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.88	J	2.0	ug/m3	TO-15
Toluene		0.66		0.20	ppb v/v	TO-15
Toluene		2.5		0.75	ug/m3	TO-15
Tetrachloroethene		0.95		0.20	ppb v/v	TO-15
Tetrachloroethene		6.4		1.4	ug/m3	TO-15
Ethylbenzene		1.0		0.20	ppb v/v	TO-15
Ethylbenzene		4.5		0.87	ug/m3	TO-15
m,p-Xylene		1.2		0.50	ppb v/v	TO-15
m,p-Xylene		5.0		2.2	ug/m3	TO-15
Xylene, o-		0.47		0.20	ppb v/v	TO-15
Xylene, o-		2.0		0.87	ug/m3	TO-15
Xylene (total)		1.7		0.70	ppb v/v	TO-15
Xylene (total)		7.3		3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Styrene		0.11	J	0.20	ppb v/v	TO-15
Styrene		0.45	J	0.85	ug/m3	TO-15
Cumene		0.092	J	0.20	ppb v/v	TO-15
Cumene		0.45	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.094	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.46	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.12	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.59	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.10	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.50	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.35		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.7		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.050	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.27	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.30		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		1.8		1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.027	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.16	J	1.2	ug/m3	TO-15
Naphthalene		0.19	J	0.50	ppb v/v	TO-15
Naphthalene		0.99	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-16	**785IA15**					
Dichlorodifluoromethane		0.68		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		3.4		2.5	ug/m3	TO-15
Freon 22		0.40	J	0.50	ppb v/v	TO-15
Freon 22		1.4	J	1.8	ug/m3	TO-15
1,2-Dichlorotetrafluoroethane		0.82		0.20	ppb v/v	TO-15
1,2-Dichlorotetrafluoroethane		5.7		1.4	ug/m3	TO-15
Chloromethane		0.47	J	0.50	ppb v/v	TO-15
Chloromethane		0.97	J	1.0	ug/m3	TO-15
n-Butane		3.1		0.50	ppb v/v	TO-15
n-Butane		7.4		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.21		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Freon TF		0.061	J	0.20	ppb v/v	TO-15
Freon TF		0.47	J	1.5	ug/m3	TO-15
Acetone		3.9	J	5.0	ppb v/v	TO-15
Acetone		9.3	J	12	ug/m3	TO-15
Carbon disulfide		0.30	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.92	J	1.6	ug/m3	TO-15
Methylene Chloride		0.40	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.4	J	1.7	ug/m3	TO-15
n-Hexane		0.28		0.20	ppb v/v	TO-15
n-Hexane		0.99		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.42	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.2	J	1.5	ug/m3	TO-15
Cyclohexane		0.12	J M	0.20	ppb v/v	TO-15
Cyclohexane		0.41	J M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.071	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.052	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.24	J	0.93	ug/m3	TO-15
Benzene		0.12	J M	0.20	ppb v/v	TO-15
Benzene		0.37	J M	0.64	ug/m3	TO-15
n-Heptane		0.11	J M	0.20	ppb v/v	TO-15
n-Heptane		0.43	J M	0.82	ug/m3	TO-15
methyl isobutyl ketone		0.57		0.50	ppb v/v	TO-15
methyl isobutyl ketone		2.3		2.0	ug/m3	TO-15
Toluene		0.23		0.20	ppb v/v	TO-15
Toluene		0.89		0.75	ug/m3	TO-15
Ethylbenzene		0.12	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.52	J	0.87	ug/m3	TO-15
m,p-Xylene		0.52		0.50	ppb v/v	TO-15
m,p-Xylene		2.2		2.2	ug/m3	TO-15
Xylene, o-		0.29		0.20	ppb v/v	TO-15
Xylene, o-		1.2		0.87	ug/m3	TO-15
Xylene (total)		0.81		0.70	ppb v/v	TO-15
Xylene (total)		3.5		3.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Styrene		0.016	J	0.20	ppb v/v	TO-15
Styrene		0.069	J	0.85	ug/m3	TO-15
n-Propylbenzene		0.076	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.37	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.12	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.61	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.11	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.54	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.48		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.4		0.98	ug/m3	TO-15
Naphthalene		0.042	J	0.50	ppb v/v	TO-15
Naphthalene		0.22	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-17	**786IA14**					
Dichlorodifluoromethane		0.48	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.27	J	0.50	ppb v/v	TO-15
Freon 22		0.94	J	1.8	ug/m3	TO-15
Chloromethane		0.49	J	0.50	ppb v/v	TO-15
Chloromethane		1.0	J	1.0	ug/m3	TO-15
n-Butane		0.78		0.50	ppb v/v	TO-15
n-Butane		1.9		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.22		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Freon TF		0.059	J	0.20	ppb v/v	TO-15
Freon TF		0.45	J	1.5	ug/m3	TO-15
Acetone		5.3		5.0	ppb v/v	TO-15
Acetone		13		12	ug/m3	TO-15
Carbon disulfide		0.13	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.40	J	1.6	ug/m3	TO-15
Methylene Chloride		0.23	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.79	J	1.7	ug/m3	TO-15
n-Hexane		0.23		0.20	ppb v/v	TO-15
n-Hexane		0.80		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.53		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.6		1.5	ug/m3	TO-15
Cyclohexane		0.062	J M	0.20	ppb v/v	TO-15
Cyclohexane		0.21	J M	0.69	ug/m3	TO-15
Carbon tetrachloride		0.078	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.49	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.095	J M	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.44	J M	0.93	ug/m3	TO-15
Benzene		0.38	M	0.20	ppb v/v	TO-15
Benzene		1.2	M	0.64	ug/m3	TO-15
n-Heptane		0.093	J M	0.20	ppb v/v	TO-15
n-Heptane		0.38	J M	0.82	ug/m3	TO-15
methyl isobutyl ketone		0.18	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.75	J	2.0	ug/m3	TO-15
Toluene		0.42		0.20	ppb v/v	TO-15
Toluene		1.6		0.75	ug/m3	TO-15
Ethylbenzene		0.069	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.30	J	0.87	ug/m3	TO-15
m,p-Xylene		0.26	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.1	J	2.2	ug/m3	TO-15
Xylene, o-		0.10	J	0.20	ppb v/v	TO-15
Xylene, o-		0.45	J	0.87	ug/m3	TO-15
Xylene (total)		0.36	J	0.70	ppb v/v	TO-15
Xylene (total)		1.6	J	3.0	ug/m3	TO-15
4-Ethyltoluene		0.032	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.16	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,3,5-Trimethylbenzene		0.040	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.19	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.13	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.63	J	0.98	ug/m3	TO-15
Naphthalene		0.040	J	0.50	ppb v/v	TO-15
Naphthalene		0.21	J	2.6	ug/m3	TO-15
200-29580-18	**785786OA11**					
Dichlorodifluoromethane		0.47	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.27	J	0.50	ppb v/v	TO-15
Freon 22		0.96	J	1.8	ug/m3	TO-15
Chloromethane		0.45	J	0.50	ppb v/v	TO-15
Chloromethane		0.93	J	1.0	ug/m3	TO-15
n-Butane		0.32	J	0.50	ppb v/v	TO-15
n-Butane		0.75	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.21		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Freon TF		0.064	J M	0.20	ppb v/v	TO-15
Freon TF		0.49	J M	1.5	ug/m3	TO-15
Acetone		4.9	J	5.0	ppb v/v	TO-15
Acetone		12	J	12	ug/m3	TO-15
Carbon disulfide		0.26	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.80	J	1.6	ug/m3	TO-15
Methylene Chloride		0.40	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.4	J	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.59		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.7		1.5	ug/m3	TO-15
Carbon tetrachloride		0.072	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
Benzene		0.095	J	0.20	ppb v/v	TO-15
Benzene		0.30	J	0.64	ug/m3	TO-15
Toluene		0.16	J	0.20	ppb v/v	TO-15
Toluene		0.62	J	0.75	ug/m3	TO-15
Ethylbenzene		0.023	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.099	J	0.87	ug/m3	TO-15
m,p-Xylene		0.076	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.33	J	2.2	ug/m3	TO-15
Xylene, o-		0.038	J M	0.20	ppb v/v	TO-15
Xylene, o-		0.16	J M	0.87	ug/m3	TO-15
Xylene (total)		0.11	J	0.70	ppb v/v	TO-15
Xylene (total)		0.50	J	3.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.018	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.091	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-19	**785VMP0202PA**					
Dichlorodifluoromethane		0.56		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.7		2.5	ug/m3	TO-15
Freon 22		0.27	J	0.50	ppb v/v	TO-15
Freon 22		0.95	J	1.8	ug/m3	TO-15
Chloromethane		2.0		0.50	ppb v/v	TO-15
Chloromethane		4.2		1.0	ug/m3	TO-15
n-Butane		0.43	J	0.50	ppb v/v	TO-15
n-Butane		1.0	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.089	J	0.20	ppb v/v	TO-15
Freon TF		0.68	J	1.5	ug/m3	TO-15
Acetone		5.9		5.0	ppb v/v	TO-15
Acetone		14		12	ug/m3	TO-15
Isopropyl alcohol		1.7	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		4.2	J	12	ug/m3	TO-15
Carbon disulfide		1.5		0.50	ppb v/v	TO-15
Carbon disulfide		4.8		1.6	ug/m3	TO-15
tert-Butyl alcohol		1.1	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		3.3	J	15	ug/m3	TO-15
n-Hexane		0.064	J	0.20	ppb v/v	TO-15
n-Hexane		0.23	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.2		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.6		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.040	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.16	J	0.79	ug/m3	TO-15
Chloroform		0.058	J	0.20	ppb v/v	TO-15
Chloroform		0.28	J	0.98	ug/m3	TO-15
Tetrahydrofuran		7.3		5.0	ppb v/v	TO-15
Tetrahydrofuran		21		15	ug/m3	TO-15
Carbon tetrachloride		0.091	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.57	J	1.3	ug/m3	TO-15
Benzene		0.080	J	0.20	ppb v/v	TO-15
Benzene		0.25	J	0.64	ug/m3	TO-15
Trichloroethene		2.9		0.20	ppb v/v	TO-15
Trichloroethene		15		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.23	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.96	J	2.0	ug/m3	TO-15
Toluene		0.57		0.20	ppb v/v	TO-15
Toluene		2.1		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.19	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.77	J	2.0	ug/m3	TO-15
Ethylbenzene		1.3		0.20	ppb v/v	TO-15
Ethylbenzene		5.8		0.87	ug/m3	TO-15
m,p-Xylene		1.5		0.50	ppb v/v	TO-15
m,p-Xylene		6.5		2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.66		0.20	ppb v/v	TO-15
Xylene, o-		2.9		0.87	ug/m3	TO-15
Xylene (total)		2.2		0.70	ppb v/v	TO-15
Xylene (total)		9.4		3.0	ug/m3	TO-15
Styrene		0.12	J	0.20	ppb v/v	TO-15
Styrene		0.52	J	0.85	ug/m3	TO-15
Cumene		0.12	J	0.20	ppb v/v	TO-15
Cumene		0.61	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.16	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.78	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.20		0.20	ppb v/v	TO-15
4-Ethyltoluene		0.98		0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.22		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.1		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.79		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		3.9		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.082	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.45	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.36		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		2.2		1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.035	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.21	J	1.2	ug/m3	TO-15
Naphthalene		0.10	J	0.50	ppb v/v	TO-15
Naphthalene		0.54	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-20	**785VMP0501PA**					
Dichlorodifluoromethane		0.59	J D	2.5	ppb v/v	TO-15
Dichlorodifluoromethane		2.9	J D	12	ug/m3	TO-15
Trichlorofluoromethane		0.28	J D M	1.0	ppb v/v	TO-15
Trichlorofluoromethane		1.5	J D M	5.6	ug/m3	TO-15
Acetone		33	D	25	ppb v/v	TO-15
Acetone		77	D	59	ug/m3	TO-15
Carbon disulfide		2.2	J D	2.5	ppb v/v	TO-15
Carbon disulfide		6.8	J D	7.8	ug/m3	TO-15
Tetrahydrofuran		180	D	25	ppb v/v	TO-15
Tetrahydrofuran		540	D	74	ug/m3	TO-15
Carbon tetrachloride		0.15	J D	1.0	ppb v/v	TO-15
Carbon tetrachloride		0.92	J D	6.3	ug/m3	TO-15
Benzene		2.7	D	1.0	ppb v/v	TO-15
Benzene		8.6	D	3.2	ug/m3	TO-15
Trichloroethene		27	D	1.0	ppb v/v	TO-15
Trichloroethene		150	D	5.4	ug/m3	TO-15
Toluene		0.70	J D	1.0	ppb v/v	TO-15
Toluene		2.6	J D	3.8	ug/m3	TO-15
Ethylbenzene		1.5	D	1.0	ppb v/v	TO-15
Ethylbenzene		6.7	D	4.3	ug/m3	TO-15
m,p-Xylene		4.7	D	2.5	ppb v/v	TO-15
m,p-Xylene		21	D	11	ug/m3	TO-15
Xylene, o-		1.9	D	1.0	ppb v/v	TO-15
Xylene, o-		8.1	D	4.3	ug/m3	TO-15
Xylene (total)		6.6		3.5	ppb v/v	TO-15
Xylene (total)		29		15	ug/m3	TO-15
Styrene		5.1	D	1.0	ppb v/v	TO-15
Styrene		22	D	4.3	ug/m3	TO-15
Cumene		0.24	J D	1.0	ppb v/v	TO-15
Cumene		1.2	J D	4.9	ug/m3	TO-15
n-Propylbenzene		0.31	J D	1.0	ppb v/v	TO-15
n-Propylbenzene		1.5	J D	4.9	ug/m3	TO-15
4-Ethyltoluene		0.53	J D	1.0	ppb v/v	TO-15
4-Ethyltoluene		2.6	J D	4.9	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.48	J D	1.0	ppb v/v	TO-15
1,3,5-Trimethylbenzene		2.4	J D	4.9	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.9	D	1.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene		9.3	D	4.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-21	**785VMP0401PA**					
Dichlorodifluoromethane		0.62	J D	2.5	ppb v/v	TO-15
Dichlorodifluoromethane		3.1	J D	12	ug/m3	TO-15
Trichlorofluoromethane		0.27	J D M	1.0	ppb v/v	TO-15
Trichlorofluoromethane		1.5	J D M	5.6	ug/m3	TO-15
Acetone		51	D	25	ppb v/v	TO-15
Acetone		120	D	59	ug/m3	TO-15
Carbon disulfide		6.6	D	2.5	ppb v/v	TO-15
Carbon disulfide		21	D	7.8	ug/m3	TO-15
Methyl Ethyl Ketone		19	D	2.5	ppb v/v	TO-15
Methyl Ethyl Ketone		55	D	7.4	ug/m3	TO-15
cis-1,2-Dichloroethene		1.3	D	1.0	ppb v/v	TO-15
cis-1,2-Dichloroethene		5.1	D	4.0	ug/m3	TO-15
1,2-Dichloroethene, Total		1.3	J	2.0	ppb v/v	TO-15
1,2-Dichloroethene, Total		5.2	J	7.9	ug/m3	TO-15
Chloroform		0.34	J D M	1.0	ppb v/v	TO-15
Chloroform		1.7	J D M	4.9	ug/m3	TO-15
Tetrahydrofuran		120	D	25	ppb v/v	TO-15
Tetrahydrofuran		360	D	74	ug/m3	TO-15
Carbon tetrachloride		0.085	J D	1.0	ppb v/v	TO-15
Carbon tetrachloride		0.53	J D	6.3	ug/m3	TO-15
Benzene		0.23	J D M	1.0	ppb v/v	TO-15
Benzene		0.75	J D M	3.2	ug/m3	TO-15
Trichloroethene		6.1	D	1.0	ppb v/v	TO-15
Trichloroethene		33	D	5.4	ug/m3	TO-15
Toluene		1.8	D	1.0	ppb v/v	TO-15
Toluene		6.7	D	3.8	ug/m3	TO-15
Ethylbenzene		1.0	D	1.0	ppb v/v	TO-15
Ethylbenzene		4.5	D	4.3	ug/m3	TO-15
m,p-Xylene		3.7	D	2.5	ppb v/v	TO-15
m,p-Xylene		16	D	11	ug/m3	TO-15
Xylene, o-		1.2	D	1.0	ppb v/v	TO-15
Xylene, o-		5.3	D	4.3	ug/m3	TO-15
Xylene (total)		4.9		3.5	ppb v/v	TO-15
Xylene (total)		21		15	ug/m3	TO-15
Styrene		0.33	J D	1.0	ppb v/v	TO-15
Styrene		1.4	J D	4.3	ug/m3	TO-15
Cumene		0.12	J D	1.0	ppb v/v	TO-15
Cumene		0.57	J D	4.9	ug/m3	TO-15
n-Propylbenzene		0.52	J D	1.0	ppb v/v	TO-15
n-Propylbenzene		2.6	J D	4.9	ug/m3	TO-15
4-Ethyltoluene		0.84	J D	1.0	ppb v/v	TO-15
4-Ethyltoluene		4.2	J D	4.9	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.63	J D	1.0	ppb v/v	TO-15
1,3,5-Trimethylbenzene		3.1	J D	4.9	ug/m3	TO-15
1,2,4-Trimethylbenzene		2.2	D	1.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene		11	D	4.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-29580-22	**786VMP0202PC**					
Dichlorodifluoromethane		0.49	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.4	J	2.5	ug/m3	TO-15
Freon 22		0.24	J	0.50	ppb v/v	TO-15
Freon 22		0.84	J	1.8	ug/m3	TO-15
Chloromethane		1.4		0.50	ppb v/v	TO-15
Chloromethane		2.9		1.0	ug/m3	TO-15
n-Butane		0.36	J	0.50	ppb v/v	TO-15
n-Butane		0.86	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.22		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Freon TF		0.078	J	0.20	ppb v/v	TO-15
Freon TF		0.60	J	1.5	ug/m3	TO-15
Acetone		5.1		5.0	ppb v/v	TO-15
Acetone		12		12	ug/m3	TO-15
Isopropyl alcohol		1.5	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		3.7	J	12	ug/m3	TO-15
Carbon disulfide		8.2		0.50	ppb v/v	TO-15
Carbon disulfide		26		1.6	ug/m3	TO-15
Methylene Chloride		0.12	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.41	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.69	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.1	J	15	ug/m3	TO-15
n-Hexane		0.089	J	0.20	ppb v/v	TO-15
n-Hexane		0.31	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.0		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.1		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.035	J M	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.14	J M	0.79	ug/m3	TO-15
Tetrahydrofuran		6.1		5.0	ppb v/v	TO-15
Tetrahydrofuran		18		15	ug/m3	TO-15
Carbon tetrachloride		0.083	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.52	J	1.3	ug/m3	TO-15
Benzene		0.078	J	0.20	ppb v/v	TO-15
Benzene		0.25	J	0.64	ug/m3	TO-15
n-Heptane		0.063	J	0.20	ppb v/v	TO-15
n-Heptane		0.26	J	0.82	ug/m3	TO-15
Trichloroethene		2.3		0.20	ppb v/v	TO-15
Trichloroethene		12		1.1	ug/m3	TO-15
methyl isobutyl ketone		0.18	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.72	J	2.0	ug/m3	TO-15
Toluene		0.49		0.20	ppb v/v	TO-15
Toluene		1.9		0.75	ug/m3	TO-15
Ethylbenzene		0.98		0.20	ppb v/v	TO-15
Ethylbenzene		4.2		0.87	ug/m3	TO-15
m,p-Xylene		1.1		0.50	ppb v/v	TO-15
m,p-Xylene		4.9		2.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.48		0.20	ppb v/v	TO-15
Xylene, o-		2.1		0.87	ug/m3	TO-15
Xylene (total)		1.6		0.70	ppb v/v	TO-15
Xylene (total)		6.9		3.0	ug/m3	TO-15
Styrene		0.092	J	0.20	ppb v/v	TO-15
Styrene		0.39	J	0.85	ug/m3	TO-15
Cumene		0.10	J	0.20	ppb v/v	TO-15
Cumene		0.50	J	0.98	ug/m3	TO-15
n-Propylbenzene		0.11	J	0.20	ppb v/v	TO-15
n-Propylbenzene		0.53	J	0.98	ug/m3	TO-15
4-Ethyltoluene		0.15	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.72	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.13	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.63	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.49		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.4		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.15	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.82	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		0.22		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		1.3		1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.020	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.12	J	1.2	ug/m3	TO-15
Naphthalene		0.17	J	0.50	ppb v/v	TO-15
Naphthalene		0.87	J	2.6	ug/m3	TO-15
200-29580-23TB	**082815TB**					
Methylene Chloride		0.16	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.56	J	1.7	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 200-29580-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774776CA01MA

Lab Sample ID: 200-29580-1 Date Sampled: 08/28/2015 1140
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.4		0.056	0.50
Freon 22	0.92		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.28	J	0.060	0.50
n-Butane	0.71		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	7.5		0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	15		0.69	5.0
Isopropyl alcohol	4.3	J	0.15	5.0
Carbon disulfide	0.48	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U M	0.12	0.50
tert-Butyl alcohol	0.22	J M	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.084	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.4		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.50		0.038	0.20
Tetrahydrofuran	0.31	J	0.18	5.0
1,1,1-Trichloroethane	0.30	M	0.030	0.20
Cyclohexane	0.042	J	0.010	0.20
Carbon tetrachloride	0.24		0.011	0.20
2,2,4-Trimethylpentane	0.23		0.023	0.20
Benzene	0.11	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	15		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.29		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.10	J	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774776CA01MA

Lab Sample ID: 200-29580-1 Date Sampled: 08/28/2015 1140
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.28		0.020	0.20
m,p-Xylene	0.92		0.025	0.50
Xylene, o-	0.32		0.018	0.20
Xylene (total)	1.2		0.041	0.70
Styrene	0.034	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.029	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.061	J	0.027	0.20
4-Ethyltoluene	0.11	J	0.020	0.20
1,3,5-Trimethylbenzene	0.085	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.29		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.089	J	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	6.8		0.28	2.5
Freon 22	3.3		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.58	J	0.12	1.0
n-Butane	1.7		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	42		0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	36		1.6	12
Isopropyl alcohol	11	J	0.37	12
Carbon disulfide	1.5	J	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774776CA01MA

Lab Sample ID: 200-29580-1 Date Sampled: 08/28/2015 1140
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U M	0.42	1.7
tert-Butyl alcohol	0.65	J M	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.30	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.0		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	2.4		0.19	0.98
Tetrahydrofuran	0.91	J	0.53	15
1,1,1-Trichloroethane	1.6	M	0.16	1.1
Cyclohexane	0.14	J	0.034	0.69
Carbon tetrachloride	1.5		0.069	1.3
2,2,4-Trimethylpentane	1.1		0.11	0.93
Benzene	0.37	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	82		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	1.1		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.69	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	1.2		0.087	0.87
m,p-Xylene	4.0		0.11	2.2
Xylene, o-	1.4		0.078	0.87
Xylene (total)	5.4		0.18	3.0
Styrene	0.15	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.14	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.30	J	0.13	0.98
4-Ethyltoluene	0.55	J	0.098	0.98
1,3,5-Trimethylbenzene	0.42	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774776CA01MA

Lab Sample ID: 200-29580-1 Date Sampled: 08/28/2015 1140
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.49	J	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785786CA01MA

Lab Sample ID: 200-29580-2 Date Sampled: 08/28/2015 1150
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1505			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1505			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.0		0.056	0.50
Freon 22	0.65		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.73		0.060	0.50
n-Butane	0.45	J M	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.073	J	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.46		0.045	0.20
Freon TF	0.14	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	7.1		0.69	5.0
Isopropyl alcohol	0.43	J	0.15	5.0
Carbon disulfide	1.4		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.21	J M	0.12	0.50
tert-Butyl alcohol	0.15	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.068	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.1		0.092	0.50
cis-1,2-Dichloroethene	0.29	M	0.030	0.20
1,2-Dichloroethene, Total	0.29	J	0.053	0.40
Chloroform	0.51		0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.092	J M	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.16	J	0.011	0.20
2,2,4-Trimethylpentane	0.037	J	0.023	0.20
Benzene	0.19	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	27		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.24		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.90		0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785786CA01MA

Lab Sample ID: 200-29580-2 Date Sampled: 08/28/2015 1150
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1505			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1505			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.066	J	0.020	0.20
m,p-Xylene	0.20	J	0.025	0.50
Xylene, o-	0.064	J	0.018	0.20
Xylene (total)	0.26	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.032	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.035	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	5.0		0.28	2.5
Freon 22	2.3		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.5		0.12	1.0
n-Butane	1.1	J M	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.19	J	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.6		0.25	1.1
Freon TF	1.1	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	17		1.6	12
Isopropyl alcohol	1.1	J	0.37	12
Carbon disulfide	4.4		0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785786CA01MA

Lab Sample ID: 200-29580-2 Date Sampled: 08/28/2015 1150
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1505			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1505			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.73	J M	0.42	1.7
tert-Butyl alcohol	0.46	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.24	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.3		0.27	1.5
cis-1,2-Dichloroethene	1.2	M	0.12	0.79
1,2-Dichloroethene, Total	1.1	J	0.21	1.6
Chloroform	2.5		0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.50	J M	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	1.0	J	0.069	1.3
2,2,4-Trimethylpentane	0.17	J	0.11	0.93
Benzene	0.61	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	140		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.89		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	6.1		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.29	J	0.087	0.87
m,p-Xylene	0.87	J	0.11	2.2
Xylene, o-	0.28	J	0.078	0.87
Xylene (total)	1.1	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785786CA01MA

Lab Sample ID: 200-29580-2 Date Sampled: 08/28/2015 1150
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1505			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1505			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.16	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.18	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0101NA

Lab Sample ID: 200-29580-3 Date Sampled: 08/31/2015 1108
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1556			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1556			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.53		0.060	0.50
n-Butane	0.47	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.37		0.045	0.20
Freon TF	0.070	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	8.2		0.69	5.0
Isopropyl alcohol	3.0	J	0.15	5.0
Carbon disulfide	2.9		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.15	J	0.12	0.50
tert-Butyl alcohol	0.25	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.060	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.88		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.099	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.17	J	0.010	0.20
Carbon tetrachloride	0.083	J	0.011	0.20
2,2,4-Trimethylpentane	0.039	J	0.023	0.20
Benzene	0.13	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.092	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	J	0.18	0.50
Toluene	0.91		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0101NA

Lab Sample ID: 200-29580-3 Date Sampled: 08/31/2015 1108
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1556			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1556			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.4		0.020	0.20
m,p-Xylene	1.5		0.025	0.50
Xylene, o-	0.53		0.018	0.20
Xylene (total)	2.0		0.041	0.70
Styrene	0.13	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.10	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.091	J	0.027	0.20
4-Ethyltoluene	0.11	J	0.020	0.20
1,3,5-Trimethylbenzene	0.10	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.37		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.15	J	0.020	0.20
1,3-Dichlorobenzene	0.11	J	0.020	0.20
1,4-Dichlorobenzene	0.17	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.10	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.1		0.12	1.0
n-Butane	1.1	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.1		0.25	1.1
Freon TF	0.54	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	20		1.6	12
Isopropyl alcohol	7.4	J	0.37	12
Carbon disulfide	9.0		0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0101NA

Lab Sample ID: 200-29580-3 Date Sampled: 08/31/2015 1108
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1556			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1556			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.53	J	0.42	1.7
tert-Butyl alcohol	0.77	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.21	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.6		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.49	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.59	J	0.034	0.69
Carbon tetrachloride	0.52	J	0.069	1.3
2,2,4-Trimethylpentane	0.18	J	0.11	0.93
Benzene	0.43	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.50	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.80	J	0.74	2.0
Toluene	3.4		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	6.2		0.087	0.87
m,p-Xylene	6.3		0.11	2.2
Xylene, o-	2.3		0.078	0.87
Xylene (total)	8.8		0.18	3.0
Styrene	0.54	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.49	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.45	J	0.13	0.98
4-Ethyltoluene	0.52	J	0.098	0.98
1,3,5-Trimethylbenzene	0.49	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0101NA

Lab Sample ID: 200-29580-3 Date Sampled: 08/31/2015 1108
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1556			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1556			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.8		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.81	J	0.11	1.1
1,3-Dichlorobenzene	0.65	J	0.12	1.2
1,4-Dichlorobenzene	1.0	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.54	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0201NA

Lab Sample ID: 200-29580-4 Date Sampled: 08/31/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.58		0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.39	J	0.060	0.50
n-Butane	0.79		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.53		0.045	0.20
Freon TF	0.086	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	12		0.69	5.0
Isopropyl alcohol	2.9	J	0.15	5.0
Carbon disulfide	0.062	J M	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.13	J	0.12	0.50
tert-Butyl alcohol	0.21	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.11	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.63		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.12	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.12	J M	0.030	0.20
Cyclohexane	0.054	J M	0.010	0.20
Carbon tetrachloride	0.11	J	0.011	0.20
2,2,4-Trimethylpentane	0.045	J	0.023	0.20
Benzene	0.13	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.071	J	0.037	0.20
Trichloroethene	0.35		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	1.1		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0201NA

Lab Sample ID: 200-29580-4 Date Sampled: 08/31/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.2		0.020	0.20
m,p-Xylene	1.3		0.025	0.50
Xylene, o-	0.50		0.018	0.20
Xylene (total)	1.8		0.041	0.70
Styrene	0.13	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.088	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.093	J	0.027	0.20
4-Ethyltoluene	0.13	J	0.020	0.20
1,3,5-Trimethylbenzene	0.10	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.36		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.051	J	0.020	0.20
1,3-Dichlorobenzene	0.12	J	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.16	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.9		0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.82	J	0.12	1.0
n-Butane	1.9		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	3.0		0.25	1.1
Freon TF	0.66	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	29		1.6	12
Isopropyl alcohol	7.1	J	0.37	12
Carbon disulfide	0.19	J M	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0201NA

Lab Sample ID: 200-29580-4 Date Sampled: 08/31/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.45	J	0.42	1.7
tert-Butyl alcohol	0.63	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.37	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.9		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.58	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.66	J M	0.16	1.1
Cyclohexane	0.19	J M	0.034	0.69
Carbon tetrachloride	0.67	J	0.069	1.3
2,2,4-Trimethylpentane	0.21	J	0.11	0.93
Benzene	0.41	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.29	J	0.15	0.82
Trichloroethene	1.9		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	4.1		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	5.2		0.087	0.87
m,p-Xylene	5.7		0.11	2.2
Xylene, o-	2.2		0.078	0.87
Xylene (total)	7.8		0.18	3.0
Styrene	0.55	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.43	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.46	J	0.13	0.98
4-Ethyltoluene	0.64	J	0.098	0.98
1,3,5-Trimethylbenzene	0.50	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0201NA

Lab Sample ID: 200-29580-4 Date Sampled: 08/31/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.8		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.28	J	0.11	1.1
1,3-Dichlorobenzene	0.71	J	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.82	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0301NA

Lab Sample ID: 200-29580-5 Date Sampled: 08/31/2015 1120
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_012.d
Dilution:	20			Initial Weight/Volume:	20 mL
Analysis Date:	09/10/2015 1734			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1734			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.0	U	1.1	10
Freon 22	4.0	U	1.6	10
1,2-Dichlorotetrafluoroethane	1.6	U	1.0	4.0
Chloromethane	4.0	U	1.2	10
n-Butane	4.0	U	3.6	10
Vinyl chloride	0.60	U	0.52	4.0
1,3-Butadiene	1.6	U	0.72	4.0
Bromomethane	1.6	U	0.88	4.0
Chloroethane	1.6	U	1.2	10
Bromoethene(Vinyl Bromide)	0.60	U	0.40	4.0
Trichlorofluoromethane	2.2	J D M	0.90	4.0
Freon TF	1.6	U	0.82	4.0
1,1-Dichloroethene	0.60	U	0.20	4.0
Acetone	50	U	14	100
Isopropyl alcohol	3.6	J D	3.0	100
Carbon disulfide	1.6	U	0.60	10
3-Chloropropene	4.0	U	3.2	10
Methylene Chloride	4.0	U	2.4	10
tert-Butyl alcohol	4.0	U	2.4	100
Methyl tert-butyl ether	0.60	U	0.44	4.0
trans-1,2-Dichloroethene	0.60	U	0.54	4.0
n-Hexane	0.60	U	0.56	4.0
1,1-Dichloroethane	0.60	U	0.56	4.0
Methyl Ethyl Ketone	4.0	U	1.8	10
cis-1,2-Dichloroethene	1.6	U	0.60	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	8.0
Chloroform	1.6	U	0.76	4.0
Tetrahydrofuran	4.0	U	3.6	100
1,1,1-Trichloroethane	1.6	U	0.60	4.0
Cyclohexane	0.60	U	0.20	4.0
Carbon tetrachloride	61	D	0.22	4.0
2,2,4-Trimethylpentane	0.60	U	0.46	4.0
Benzene	0.60	U	0.58	4.0
1,2-Dichloroethane	1.6	U	1.0	4.0
n-Heptane	1.6	U	0.74	4.0
Trichloroethene	0.60	U	0.60	4.0
Methyl methacrylate	4.0	U	1.9	10
1,2-Dichloropropane	1.6	U	0.70	4.0
1,4-Dioxane	4.0	U	3.2	100
Bromodichloromethane	0.60	U	0.58	4.0
cis-1,3-Dichloropropene	0.60	U	0.58	4.0
methyl isobutyl ketone	4.0	U	3.6	10
Toluene	0.60	U	0.50	4.0
trans-1,3-Dichloropropene	0.60	U	0.52	4.0
1,1,2-Trichloroethane	1.6	U	0.74	4.0
Tetrachloroethene	0.60	U	0.60	4.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0301NA

Lab Sample ID: 200-29580-5 Date Sampled: 08/31/2015 1120
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_012.d
Dilution:	20			Initial Weight/Volume:	20 mL
Analysis Date:	09/10/2015 1734			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1734			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	4.0	U	3.4	10
Dibromochloromethane	0.60	U	0.40	4.0
1,2-Dibromoethane	0.60	U	0.36	4.0
Chlorobenzene	0.60	U	0.36	4.0
Ethylbenzene	0.60	U	0.40	4.0
m,p-Xylene	1.2	U	0.50	10
Xylene, o-	0.60	U	0.36	4.0
Xylene (total)	1.8	U	0.82	14
Styrene	0.60	U	0.32	4.0
Bromoform	0.60	U Q	0.50	4.0
Cumene	0.60	U	0.38	4.0
1,1,2,2-Tetrachloroethane	1.6	U	0.68	4.0
n-Propylbenzene	0.60	U	0.54	4.0
4-Ethyltoluene	0.60	U	0.40	4.0
1,3,5-Trimethylbenzene	0.60	U	0.38	4.0
2-Chlorotoluene	1.6	U	0.62	4.0
tert-Butylbenzene	0.60	U	0.40	4.0
1,2,4-Trimethylbenzene	0.60	U	0.32	4.0
sec-Butylbenzene	0.60	U	0.42	4.0
4-Isopropyltoluene	0.60	U	0.40	4.0
1,3-Dichlorobenzene	0.60	U	0.40	4.0
1,4-Dichlorobenzene	0.60	U	0.38	4.0
Benzyl chloride	0.60	U	0.36	4.0
n-Butylbenzene	0.60	U	0.56	4.0
1,2-Dichlorobenzene	0.60	U	0.36	4.0
1,2,4-Trichlorobenzene	1.6	U	0.68	10
Hexachlorobutadiene	1.6	U	0.72	4.0
Naphthalene	1.6	U	0.60	10

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	20	U	5.5	49
Freon 22	14	U	5.7	35
1,2-Dichlorotetrafluoroethane	11	U	7.3	28
Chloromethane	8.3	U	2.5	21
n-Butane	9.5	U	8.6	24
Vinyl chloride	1.5	U	1.3	10
1,3-Butadiene	3.5	U	1.6	8.8
Bromomethane	6.2	U	3.4	16
Chloroethane	4.2	U	3.2	26
Bromoethene(Vinyl Bromide)	2.6	U	1.7	17
Trichlorofluoromethane	13	J D M	5.1	22
Freon TF	12	U	6.3	31
1,1-Dichloroethene	2.4	U	0.79	16
Acetone	120	U	33	240
Isopropyl alcohol	8.9	J D	7.4	250
Carbon disulfide	5.0	U	1.9	31

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0301NA

Lab Sample ID: 200-29580-5 Date Sampled: 08/31/2015 1120
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_012.d
Dilution:	20			Initial Weight/Volume:	20 mL
Analysis Date:	09/10/2015 1734			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1734			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	13	U	10	31
Methylene Chloride	14	U	8.3	35
tert-Butyl alcohol	12	U	7.3	300
Methyl tert-butyl ether	2.2	U	1.6	14
trans-1,2-Dichloroethene	2.4	U	2.1	16
n-Hexane	2.1	U	2.0	14
1,1-Dichloroethane	2.4	U	2.3	16
Methyl Ethyl Ketone	12	U	5.4	29
cis-1,2-Dichloroethene	6.3	U	2.4	16
1,2-Dichloroethene, Total	6.3	U	4.2	32
Chloroform	7.8	U	3.7	20
Tetrahydrofuran	12	U	11	290
1,1,1-Trichloroethane	8.7	U	3.3	22
Cyclohexane	2.1	U	0.69	14
Carbon tetrachloride	380	D	1.4	25
2,2,4-Trimethylpentane	2.8	U	2.1	19
Benzene	1.9	U	1.9	13
1,2-Dichloroethane	6.5	U	4.2	16
n-Heptane	6.6	U	3.0	16
Trichloroethene	3.2	U	3.2	21
Methyl methacrylate	16	U	7.9	41
1,2-Dichloropropane	7.4	U	3.2	18
1,4-Dioxane	14	U	12	360
Bromodichloromethane	4.0	U	3.9	27
cis-1,3-Dichloropropene	2.7	U	2.6	18
methyl isobutyl ketone	16	U	15	41
Toluene	2.3	U	1.9	15
trans-1,3-Dichloropropene	2.7	U	2.4	18
1,1,2-Trichloroethane	8.7	U	4.0	22
Tetrachloroethene	4.1	U	4.1	27
Methyl Butyl Ketone (2-Hexanone)	16	U	14	41
Dibromochloromethane	5.1	U	3.4	34
1,2-Dibromoethane	4.6	U	2.8	31
Chlorobenzene	2.8	U	1.7	18
Ethylbenzene	2.6	U	1.7	17
m,p-Xylene	5.2	U	2.2	43
Xylene, o-	2.6	U	1.6	17
Xylene (total)	7.8	U	3.6	61
Styrene	2.6	U	1.4	17
Bromoform	6.2	U Q	5.2	41
Cumene	2.9	U	1.9	20
1,1,2,2-Tetrachloroethane	11	U	4.7	27
n-Propylbenzene	2.9	U	2.7	20
4-Ethyltoluene	2.9	U	2.0	20
1,3,5-Trimethylbenzene	2.9	U	1.9	20
2-Chlorotoluene	8.3	U	3.2	21

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774VMP0301NA

Lab Sample ID: 200-29580-5 Date Sampled: 08/31/2015 1120
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_012.d
Dilution:	20			Initial Weight/Volume:	20 mL
Analysis Date:	09/10/2015 1734			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1734			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	3.3	U	2.2	22
1,2,4-Trimethylbenzene	2.9	U	1.6	20
sec-Butylbenzene	3.3	U	2.3	22
4-Isopropyltoluene	3.3	U	2.2	22
1,3-Dichlorobenzene	3.6	U	2.4	24
1,4-Dichlorobenzene	3.6	U	2.3	24
Benzyl chloride	3.1	U	1.9	21
n-Butylbenzene	3.3	U	3.1	22
1,2-Dichlorobenzene	3.6	U	2.2	24
1,2,4-Trichlorobenzene	12	U	5.0	74
Hexachlorobutadiene	17	U	7.7	43
Naphthalene	8.4	U	3.1	52

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NC

Lab Sample ID: 200-29580-6 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1825			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1825			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.55		0.056	0.50
Freon 22	0.57		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.13	J	0.060	0.50
n-Butane	0.99		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.27		0.045	0.20
Freon TF	0.13	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	14		0.69	5.0
Isopropyl alcohol	14		0.15	5.0
Carbon disulfide	0.22	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.16	J	0.12	0.50
tert-Butyl alcohol	0.48	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.19	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.4		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.094	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.17	J	0.010	0.20
Carbon tetrachloride	0.11	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.11	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.078	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.24	J	0.18	0.50
Toluene	0.94		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NC

Lab Sample ID: 200-29580-6 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1825			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1825			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.6		0.020	0.20
m,p-Xylene	1.5		0.025	0.50
Xylene, o-	0.58		0.018	0.20
Xylene (total)	2.1		0.041	0.70
Styrene	0.15	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.13	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.11	J	0.027	0.20
4-Ethyltoluene	0.11	J	0.020	0.20
1,3,5-Trimethylbenzene	0.11	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.42		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.054	J	0.020	0.20
1,3-Dichlorobenzene	0.16	J	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.15	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7		0.28	2.5
Freon 22	2.0		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.27	J	0.12	1.0
n-Butane	2.3		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.5		0.25	1.1
Freon TF	0.98	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	33		1.6	12
Isopropyl alcohol	34		0.37	12
Carbon disulfide	0.70	J	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NC

Lab Sample ID: 200-29580-6 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1825			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1825			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.56	J	0.42	1.7
tert-Butyl alcohol	1.4	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.68	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.0		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.46	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.57	J	0.034	0.69
Carbon tetrachloride	0.69	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.35	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.42	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.99	J	0.74	2.0
Toluene	3.5		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	6.8		0.087	0.87
m,p-Xylene	6.7		0.11	2.2
Xylene, o-	2.5		0.078	0.87
Xylene (total)	9.0		0.18	3.0
Styrene	0.62	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.64	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.52	J	0.13	0.98
4-Ethyltoluene	0.57	J	0.098	0.98
1,3,5-Trimethylbenzene	0.54	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NC

Lab Sample ID: 200-29580-6 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1825			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1825			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.0		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.29	J	0.11	1.1
1,3-Dichlorobenzene	0.96	J	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.76	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-7 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1915			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1915			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.056	0.50
Freon 22	1.3		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.42	J	0.060	0.50
n-Butane	2.2		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.27		0.045	0.20
Freon TF	0.12	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	15		0.69	5.0
Isopropyl alcohol	17		0.15	5.0
Carbon disulfide	0.11	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.14	J	0.12	0.50
tert-Butyl alcohol	0.79	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.33		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.1		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.13	J	0.038	0.20
Tetrahydrofuran	0.20	J	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.12	J	0.010	0.20
Carbon tetrachloride	0.098	J	0.011	0.20
2,2,4-Trimethylpentane	0.046	J	0.023	0.20
Benzene	0.13	J M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.086	J	0.037	0.20
Trichloroethene	0.14	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	J	0.18	0.50
Toluene	1.3		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-7 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1915			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1915			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	2.3		0.020	0.20
m,p-Xylene	2.2		0.025	0.50
Xylene, o-	0.83		0.018	0.20
Xylene (total)	3.0		0.041	0.70
Styrene	0.21		0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.17	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.13	J	0.027	0.20
4-Ethyltoluene	0.17	J	0.020	0.20
1,3,5-Trimethylbenzene	0.15	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.53		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.061	J	0.020	0.20
1,3-Dichlorobenzene	0.20		0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.16	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8		0.28	2.5
Freon 22	4.6		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.87	J	0.12	1.0
n-Butane	5.2		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.5		0.25	1.1
Freon TF	0.89	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	35		1.6	12
Isopropyl alcohol	42		0.37	12
Carbon disulfide	0.34	J	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-7 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1915			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1915			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.48	J	0.42	1.7
tert-Butyl alcohol	2.4	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	1.2		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.2		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.62	J	0.19	0.98
Tetrahydrofuran	0.58	J	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.41	J	0.034	0.69
Carbon tetrachloride	0.62	J	0.069	1.3
2,2,4-Trimethylpentane	0.21	J	0.11	0.93
Benzene	0.41	J M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.35	J	0.15	0.82
Trichloroethene	0.76	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	J	0.74	2.0
Toluene	4.9		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	10		0.087	0.87
m,p-Xylene	9.6		0.11	2.2
Xylene, o-	3.6		0.078	0.87
Xylene (total)	13		0.18	3.0
Styrene	0.91		0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.82	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.65	J	0.13	0.98
4-Ethyltoluene	0.82	J	0.098	0.98
1,3,5-Trimethylbenzene	0.73	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-7 Date Sampled: 08/31/2015 1500
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1915			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1915			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.6		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	1.2		0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.85	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8 Date Sampled: 08/31/2015 1505
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2005			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2005			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.52		0.056	0.50
Freon 22	1.2		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.48	J	0.060	0.50
n-Butane	2.1		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.10	J	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.25		0.045	0.20
Freon TF	0.11	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	16		0.69	5.0
Isopropyl alcohol	16		0.15	5.0
Carbon disulfide	0.70		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.12	J	0.12	0.50
tert-Butyl alcohol	0.89	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.33		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.5		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.11	J	0.038	0.20
Tetrahydrofuran	0.28	J	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.098	J	0.010	0.20
Carbon tetrachloride	0.096	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.14	J	0.029	0.20
1,2-Dichloroethane	0.054	J	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.15	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	3.3	J	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.22	J	0.18	0.50
Toluene	1.3		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8 Date Sampled: 08/31/2015 1505
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2005			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2005			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.17	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.7		0.020	0.20
m,p-Xylene	1.8		0.025	0.50
Xylene, o-	0.71		0.018	0.20
Xylene (total)	2.5		0.041	0.70
Styrene	0.21		0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.14	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.13	J	0.027	0.20
4-Ethyltoluene	0.16	J	0.020	0.20
1,3,5-Trimethylbenzene	0.13	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.47		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.061	J	0.020	0.20
1,3-Dichlorobenzene	0.17	J	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.14	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	4.2		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.98	J	0.12	1.0
n-Butane	5.1		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.27	J	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.83	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	38		1.6	12
Isopropyl alcohol	40		0.37	12
Carbon disulfide	2.2		0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8 Date Sampled: 08/31/2015 1505
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2005			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2005			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.43	J	0.42	1.7
tert-Butyl alcohol	2.7	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	1.2		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.4		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.54	J	0.19	0.98
Tetrahydrofuran	0.82	J	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.34	J	0.034	0.69
Carbon tetrachloride	0.60	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.46	J	0.093	0.64
1,2-Dichloroethane	0.22	J	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.81	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	12	J	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.92	J	0.74	2.0
Toluene	5.0		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.70	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	7.6		0.087	0.87
m,p-Xylene	7.8		0.11	2.2
Xylene, o-	3.1		0.078	0.87
Xylene (total)	11		0.18	3.0
Styrene	0.88		0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.67	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.64	J	0.13	0.98
4-Ethyltoluene	0.79	J	0.098	0.98
1,3,5-Trimethylbenzene	0.66	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8 Date Sampled: 08/31/2015 1505
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2005			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2005			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.3		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	1.0	J	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.75	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0301NA

Lab Sample ID: 200-29580-9 Date Sampled: 08/31/2015 1515
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.53		0.056	0.50
Freon 22	1.7		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.32	J	0.060	0.50
n-Butane	0.49	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.24		0.045	0.20
Freon TF	0.072	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	11		0.69	5.0
Isopropyl alcohol	12		0.15	5.0
Carbon disulfide	0.30	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.16	J	0.12	0.50
tert-Butyl alcohol	0.23	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.11	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.2		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.096	J M	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.033	J	0.030	0.20
Cyclohexane	0.23	M	0.010	0.20
Carbon tetrachloride	0.097	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.088	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.95		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.27	J	0.18	0.50
Toluene	0.26		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0301NA

Lab Sample ID: 200-29580-9 Date Sampled: 08/31/2015 1515
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.066	J	0.020	0.20
m,p-Xylene	0.16	J	0.025	0.50
Xylene, o-	0.060	J	0.018	0.20
Xylene (total)	0.22	J	0.041	0.70
Styrene	0.082	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.047	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.039	J	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.058	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	6.0		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.67	J	0.12	1.0
n-Butane	1.2	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.55	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	27		1.6	12
Isopropyl alcohol	29		0.37	12
Carbon disulfide	0.93	J	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0301NA

Lab Sample ID: 200-29580-9 Date Sampled: 08/31/2015 1515
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.57	J	0.42	1.7
tert-Butyl alcohol	0.69	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.37	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.6		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.47	J M	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.18	J	0.16	1.1
Cyclohexane	0.81	M	0.034	0.69
Carbon tetrachloride	0.61	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.28	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	5.1		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	1.1	J	0.74	2.0
Toluene	1.0		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.29	J	0.087	0.87
m,p-Xylene	0.71	J	0.11	2.2
Xylene, o-	0.26	J	0.078	0.87
Xylene (total)	0.96	J	0.18	3.0
Styrene	0.35	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776VMP0301NA

Lab Sample ID: 200-29580-9 Date Sampled: 08/31/2015 1515
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.23	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.22	J	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.31	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774IA1NA

Lab Sample ID: 200-29580-10 Date Sampled: 08/31/2015 0810
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.50		0.060	0.50
n-Butane	0.45	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.44		0.045	0.20
Freon TF	0.064	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.2		0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.24	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.078	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.32	J	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.038	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.069	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.10	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.22		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774IA1NA

Lab Sample ID: 200-29580-10 Date Sampled: 08/31/2015 0810
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.044	J	0.020	0.20
m,p-Xylene	0.12	J	0.025	0.50
Xylene, o-	0.042	J	0.018	0.20
Xylene (total)	0.16	J	0.041	0.70
Styrene	0.030	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.026	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.092	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.0		0.12	1.0
n-Butane	1.1	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.5		0.25	1.1
Freon TF	0.49	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	12		1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774IA1NA

Lab Sample ID: 200-29580-10 Date Sampled: 08/31/2015 0810
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.84	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.28	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.93	J	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.18	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.43	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.32	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.85		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.19	J	0.087	0.87
m,p-Xylene	0.50	J	0.11	2.2
Xylene, o-	0.18	J	0.078	0.87
Xylene (total)	0.70	J	0.18	3.0
Styrene	0.13	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774IA1NA

Lab Sample ID: 200-29580-10 Date Sampled: 08/31/2015 0810
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.13	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.48	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774776OA1NA

Lab Sample ID: 200-29580-11 Date Sampled: 09/01/2015 0805
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_16.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0002			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0002			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.82		0.060	0.50
n-Butane	0.37	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.23		0.045	0.20
Freon TF	0.057	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.6		0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.22	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.69		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.069	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.10	J M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.19	J	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.23	J	0.18	0.50
Toluene	0.19	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774776OA1NA

Lab Sample ID: 200-29580-11 Date Sampled: 09/01/2015 0805
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_16.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0002			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0002			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.049	J	0.020	0.20
m,p-Xylene	0.17	J	0.025	0.50
Xylene, o-	0.066	J	0.018	0.20
Xylene (total)	0.24	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.028	J	0.027	0.20
4-Ethyltoluene	0.034	J	0.020	0.20
1,3,5-Trimethylbenzene	0.030	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.13	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.070	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.96	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.7		0.12	1.0
n-Butane	0.88	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.3		0.25	1.1
Freon TF	0.43	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	13		1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 774776OA1NA

Lab Sample ID: 200-29580-11 Date Sampled: 09/01/2015 0805
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_16.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0002			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0002			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.75	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.0		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.43	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.33	J M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.69	J	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.95	J	0.74	2.0
Toluene	0.73	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.21	J	0.087	0.87
m,p-Xylene	0.72	J	0.11	2.2
Xylene, o-	0.28	J	0.078	0.87
Xylene (total)	1.0	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.14	J	0.13	0.98
4-Ethyltoluene	0.17	J	0.098	0.98
1,3,5-Trimethylbenzene	0.15	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 774776OA1NA

Lab Sample ID: 200-29580-11
Client Matrix: Air

Date Sampled: 09/01/2015 0805
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_16.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0002			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0002			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.64	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.37	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776IA1NA

Lab Sample ID: 200-29580-12 Date Sampled: 08/31/2015 0820
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_17.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0051			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0051			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.056	0.50
Freon 22	1.2		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.54		0.060	0.50
n-Butane	0.63		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.23		0.045	0.20
Freon TF	0.055	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	13		0.69	5.0
Isopropyl alcohol	11		0.15	5.0
Carbon disulfide	0.22	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.27	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.095	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.3		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.044	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.081	J	0.011	0.20
2,2,4-Trimethylpentane	0.056	J	0.023	0.20
Benzene	0.12	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.097	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.38		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776IA1NA

Lab Sample ID: 200-29580-12 Date Sampled: 08/31/2015 0820
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_17.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0051			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0051			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.086	J	0.020	0.20
m,p-Xylene	0.20	J	0.025	0.50
Xylene, o-	0.073	J	0.018	0.20
Xylene (total)	0.27	J	0.041	0.70
Styrene	0.078	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.020	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.059	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.023	J	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.20	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	4.4		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.1		0.12	1.0
n-Butane	1.5		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.3		0.25	1.1
Freon TF	0.42	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	32		1.6	12
Isopropyl alcohol	28		0.37	12
Carbon disulfide	0.69	J	0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 776IA1NA

Lab Sample ID: 200-29580-12
Client Matrix: Air

Date Sampled: 08/31/2015 0820
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_17.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0051			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0051			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.95	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.33	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.9		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.22	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.51	J	0.069	1.3
2,2,4-Trimethylpentane	0.26	J	0.11	0.93
Benzene	0.37	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.52	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	1.4		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.37	J	0.087	0.87
m,p-Xylene	0.89	J	0.11	2.2
Xylene, o-	0.32	J	0.078	0.87
Xylene (total)	1.2	J	0.18	3.0
Styrene	0.33	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.097	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 776IA1NA

Lab Sample ID: 200-29580-12 Date Sampled: 08/31/2015 0820
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_17.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0051			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0051			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.29	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.13	J	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	1.1	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PA

Lab Sample ID: 200-29580-13 Date Sampled: 09/01/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2145			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2145			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50		0.056	0.50
Freon 22	0.23	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.29		0.045	0.20
Freon TF	0.15	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.6	J	0.69	5.0
Isopropyl alcohol	0.26	J	0.15	5.0
Carbon disulfide	0.47	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U M	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.31	J	0.092	0.50
cis-1,2-Dichloroethene	0.089	J	0.030	0.20
1,2-Dichloroethene, Total	0.089	J	0.053	0.40
Chloroform	6.4		0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.86		0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.090	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	J	0.023	0.20
Benzene	0.086	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	25		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.13	J	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.042	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.45		0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PA

Lab Sample ID: 200-29580-13 Date Sampled: 09/01/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2145			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2145			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.28	2.5
Freon 22	0.80	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.6		0.25	1.1
Freon TF	1.2	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	6.1	J	1.6	12
Isopropyl alcohol	0.64	J	0.37	12
Carbon disulfide	1.5	J	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PA

Lab Sample ID: 200-29580-13 Date Sampled: 09/01/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2145			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2145			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U M	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.93	J	0.27	1.5
cis-1,2-Dichloroethene	0.35	J	0.12	0.79
1,2-Dichloroethene, Total	0.35	J	0.21	1.6
Chloroform	31		0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	4.7		0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.57	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	J	0.11	0.93
Benzene	0.27	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	130		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.86	J	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.16	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	3.0		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PA

Lab Sample ID: 200-29580-13 Date Sampled: 09/01/2015 1115
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2145			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2145			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0302PA

Lab Sample ID: 200-29580-14 Date Sampled: 09/01/2015 1105
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2236			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2236			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.53		0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	14		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.24		0.045	0.20
Freon TF	0.083	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	21		0.69	5.0
Isopropyl alcohol	0.50	J	0.15	5.0
Carbon disulfide	0.66		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.21	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	6.7		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	8.6		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.089	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.87		0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	5.3		0.037	0.20
Trichloroethene	3.3		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.47	J	0.18	0.50
Toluene	0.69		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.17	J	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0302PA

Lab Sample ID: 200-29580-14 Date Sampled: 09/01/2015 1105
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2236			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2236			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.46	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.16	J	0.020	0.20
m,p-Xylene	0.18	J	0.025	0.50
Xylene, o-	0.079	J	0.018	0.20
Xylene (total)	0.26	J	0.041	0.70
Styrene	0.039	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.021	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.036	J	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.048	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.043	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	0.94	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	33		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.63	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	50		1.6	12
Isopropyl alcohol	1.2	J	0.37	12
Carbon disulfide	2.1		0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0302PA

Lab Sample ID: 200-29580-14 Date Sampled: 09/01/2015 1105
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2236			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2236			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.65	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	24		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	25		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.56	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	2.8		0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	22		0.15	0.82
Trichloroethene	18		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	1.9	J	0.74	2.0
Toluene	2.6		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	1.1	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	1.9	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.71	J	0.087	0.87
m,p-Xylene	0.77	J	0.11	2.2
Xylene, o-	0.34	J	0.078	0.87
Xylene (total)	1.1	J	0.18	3.0
Styrene	0.16	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.11	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.18	J	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0302PA

Lab Sample ID: 200-29580-14 Date Sampled: 09/01/2015 1105
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2236			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2236			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.23	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.23	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0102PA

Lab Sample ID: 200-29580-15 Date Sampled: 09/01/2015 1110
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2326			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2326			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.81		0.056	0.50
Freon 22	0.40	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.15	J	0.060	0.50
n-Butane	1.8		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.38		0.045	0.20
Freon TF	0.13	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	6.4		0.69	5.0
Isopropyl alcohol	1.8	J	0.15	5.0
Carbon disulfide	0.22	J M	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.28	J M	0.12	0.50
tert-Butyl alcohol	1.3	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.79		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.23		0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.12	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.098	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	30		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.21	J	0.18	0.50
Toluene	0.66		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.95		0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0102PA

Lab Sample ID: 200-29580-15 Date Sampled: 09/01/2015 1110
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2326			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2326			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.0		0.020	0.20
m,p-Xylene	1.2		0.025	0.50
Xylene, o-	0.47		0.018	0.20
Xylene (total)	1.7		0.041	0.70
Styrene	0.11	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.092	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.094	J	0.027	0.20
4-Ethyltoluene	0.12	J	0.020	0.20
1,3,5-Trimethylbenzene	0.10	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.35		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.050	J	0.020	0.20
1,3-Dichlorobenzene	0.30		0.020	0.20
1,4-Dichlorobenzene	0.027	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.19	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.0		0.28	2.5
Freon 22	1.4	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.31	J	0.12	1.0
n-Butane	4.3		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.1		0.25	1.1
Freon TF	0.99	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	15		1.6	12
Isopropyl alcohol	4.5	J	0.37	12
Carbon disulfide	0.69	J M	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0102PA

Lab Sample ID: 200-29580-15 Date Sampled: 09/01/2015 1110
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2326			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2326			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.97	J M	0.42	1.7
tert-Butyl alcohol	4.1	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.3		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	1.1		0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.78	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.31	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	160		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.88	J	0.74	2.0
Toluene	2.5		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	6.4		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	4.5		0.087	0.87
m,p-Xylene	5.0		0.11	2.2
Xylene, o-	2.0		0.078	0.87
Xylene (total)	7.3		0.18	3.0
Styrene	0.45	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.45	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.46	J	0.13	0.98
4-Ethyltoluene	0.59	J	0.098	0.98
1,3,5-Trimethylbenzene	0.50	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0102PA

Lab Sample ID: 200-29580-15 Date Sampled: 09/01/2015 1110
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2326			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2326			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.7		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.27	J	0.11	1.1
1,3-Dichlorobenzene	1.8		0.12	1.2
1,4-Dichlorobenzene	0.16	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.99	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785IA15

Lab Sample ID: 200-29580-16 Date Sampled: 09/01/2015 0825
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_18.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0141			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0141			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.68		0.056	0.50
Freon 22	0.40	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.82		0.052	0.20
Chloromethane	0.47	J	0.060	0.50
n-Butane	3.1		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.21		0.045	0.20
Freon TF	0.061	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	3.9	J	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.30	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.40	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.28		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.42	J	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.12	J M	0.010	0.20
Carbon tetrachloride	0.071	J	0.011	0.20
2,2,4-Trimethylpentane	0.052	J	0.023	0.20
Benzene	0.12	J M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.11	J M	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.57		0.18	0.50
Toluene	0.23		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785IA15

Lab Sample ID: 200-29580-16 Date Sampled: 09/01/2015 0825
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_18.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0141			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0141			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.12	J	0.020	0.20
m,p-Xylene	0.52		0.025	0.50
Xylene, o-	0.29		0.018	0.20
Xylene (total)	0.81		0.041	0.70
Styrene	0.016	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.076	J	0.027	0.20
4-Ethyltoluene	0.12	J	0.020	0.20
1,3,5-Trimethylbenzene	0.11	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.48		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.042	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.4		0.28	2.5
Freon 22	1.4	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	5.7		0.36	1.4
Chloromethane	0.97	J	0.12	1.0
n-Butane	7.4		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.47	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	9.3	J	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.92	J	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785IA15

Lab Sample ID: 200-29580-16 Date Sampled: 09/01/2015 0825
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_18.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0141			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0141			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	1.4	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.99		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.2	J	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.41	J M	0.034	0.69
Carbon tetrachloride	0.45	J	0.069	1.3
2,2,4-Trimethylpentane	0.24	J	0.11	0.93
Benzene	0.37	J M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.43	J M	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	2.3		0.74	2.0
Toluene	0.89		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.52	J	0.087	0.87
m,p-Xylene	2.2		0.11	2.2
Xylene, o-	1.2		0.078	0.87
Xylene (total)	3.5		0.18	3.0
Styrene	0.069	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.37	J	0.13	0.98
4-Ethyltoluene	0.61	J	0.098	0.98
1,3,5-Trimethylbenzene	0.54	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785IA15

Lab Sample ID: 200-29580-16
Client Matrix: Air

Date Sampled: 09/01/2015 0825
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_18.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0141			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0141			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.22	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786IA14

Lab Sample ID: 200-29580-17 Date Sampled: 09/01/2015 0830
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0230			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0230			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.49	J	0.060	0.50
n-Butane	0.78		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.22		0.045	0.20
Freon TF	0.059	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.3		0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.13	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.23	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.23		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.53		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.062	J M	0.010	0.20
Carbon tetrachloride	0.078	J	0.011	0.20
2,2,4-Trimethylpentane	0.095	J M	0.023	0.20
Benzene	0.38	M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.093	J M	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.18	J	0.18	0.50
Toluene	0.42		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786IA14

Lab Sample ID: 200-29580-17 Date Sampled: 09/01/2015 0830
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0230			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0230			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.069	J	0.020	0.20
m,p-Xylene	0.26	J	0.025	0.50
Xylene, o-	0.10	J	0.018	0.20
Xylene (total)	0.36	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.032	J	0.020	0.20
1,3,5-Trimethylbenzene	0.040	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.13	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.040	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	0.94	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.0	J	0.12	1.0
n-Butane	1.9		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.45	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	13		1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.40	J	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786IA14

Lab Sample ID: 200-29580-17 Date Sampled: 09/01/2015 0830
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0230			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0230			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.79	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.80		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.6		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.21	J M	0.034	0.69
Carbon tetrachloride	0.49	J	0.069	1.3
2,2,4-Trimethylpentane	0.44	J M	0.11	0.93
Benzene	1.2	M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.38	J M	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.75	J	0.74	2.0
Toluene	1.6		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.30	J	0.087	0.87
m,p-Xylene	1.1	J	0.11	2.2
Xylene, o-	0.45	J	0.078	0.87
Xylene (total)	1.6	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.16	J	0.098	0.98
1,3,5-Trimethylbenzene	0.19	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786IA14

Lab Sample ID: 200-29580-17 Date Sampled: 09/01/2015 0830
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0230			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0230			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.63	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.21	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785786OA11

Lab Sample ID: 200-29580-18 Date Sampled: 09/01/2015 0815
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0319			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0319			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.45	J	0.060	0.50
n-Butane	0.32	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.21		0.045	0.20
Freon TF	0.064	J M	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	4.9	J	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.26	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.40	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.59		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.072	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.095	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.16	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785786OA11

Lab Sample ID: 200-29580-18 Date Sampled: 09/01/2015 0815
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0319			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0319			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.023	J	0.020	0.20
m,p-Xylene	0.076	J	0.025	0.50
Xylene, o-	0.038	J M	0.018	0.20
Xylene (total)	0.11	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.018	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.96	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.93	J	0.12	1.0
n-Butane	0.75	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.49	J M	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	12	J	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.80	J	0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785786OA11

Lab Sample ID: 200-29580-18
Client Matrix: Air

Date Sampled: 09/01/2015 0815
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0319			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0319			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	1.4	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.7		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.45	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.30	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.62	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.099	J	0.087	0.87
m,p-Xylene	0.33	J	0.11	2.2
Xylene, o-	0.16	J M	0.078	0.87
Xylene (total)	0.50	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785786OA11

Lab Sample ID: 200-29580-18 Date Sampled: 09/01/2015 0815
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0319			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0319			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.091	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0202PA

Lab Sample ID: 200-29580-19 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0015			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0015			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	2.0		0.060	0.50
n-Butane	0.43	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.24		0.045	0.20
Freon TF	0.089	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.9		0.69	5.0
Isopropyl alcohol	1.7	J	0.15	5.0
Carbon disulfide	1.5		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	1.1	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.064	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.2		0.092	0.50
cis-1,2-Dichloroethene	0.040	J	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.058	J	0.038	0.20
Tetrahydrofuran	7.3		0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.091	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.080	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	2.9		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.23	J	0.18	0.50
Toluene	0.57		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0202PA

Lab Sample ID: 200-29580-19 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0015			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0015			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.19	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.3		0.020	0.20
m,p-Xylene	1.5		0.025	0.50
Xylene, o-	0.66		0.018	0.20
Xylene (total)	2.2		0.041	0.70
Styrene	0.12	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.12	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.16	J	0.027	0.20
4-Ethyltoluene	0.20		0.020	0.20
1,3,5-Trimethylbenzene	0.22		0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.79		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.082	J	0.020	0.20
1,3-Dichlorobenzene	0.36		0.020	0.20
1,4-Dichlorobenzene	0.035	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.10	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7		0.28	2.5
Freon 22	0.95	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	4.2		0.12	1.0
n-Butane	1.0	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.68	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	14		1.6	12
Isopropyl alcohol	4.2	J	0.37	12
Carbon disulfide	4.8		0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0202PA

Lab Sample ID: 200-29580-19 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0015			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0015			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	3.3	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.23	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.6		0.27	1.5
cis-1,2-Dichloroethene	0.16	J	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.28	J	0.19	0.98
Tetrahydrofuran	21		0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.57	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.25	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	15		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.96	J	0.74	2.0
Toluene	2.1		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.77	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	5.8		0.087	0.87
m,p-Xylene	6.5		0.11	2.2
Xylene, o-	2.9		0.078	0.87
Xylene (total)	9.4		0.18	3.0
Styrene	0.52	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.61	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.78	J	0.13	0.98
4-Ethyltoluene	0.98		0.098	0.98
1,3,5-Trimethylbenzene	1.1		0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0202PA

Lab Sample ID: 200-29580-19 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0015			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0015			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	3.9		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.45	J	0.11	1.1
1,3-Dichlorobenzene	2.2		0.12	1.2
1,4-Dichlorobenzene	0.21	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.54	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0501PA

Lab Sample ID: 200-29580-20 Date Sampled: 09/01/2015 1600
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_021.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0104			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0104			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.59	J D	0.28	2.5
Freon 22	1.0	U	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	1.0	U	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.28	J D M	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	33	D	3.5	25
Isopropyl alcohol	2.5	U	0.75	25
Carbon disulfide	2.2	J D	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.0	U	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.15	U	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	1.0	U	0.46	2.5
cis-1,2-Dichloroethene	0.40	U	0.15	1.0
1,2-Dichloroethene, Total	0.40	U	0.27	2.0
Chloroform	0.40	U M	0.19	1.0
Tetrahydrofuran	180	D	0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.15	J D	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	2.7	D	0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	27	D	0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.0	U	0.90	2.5
Toluene	0.70	J D	0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	0.15	U	0.15	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0501PA

Lab Sample ID: 200-29580-20 Date Sampled: 09/01/2015 1600
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_021.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0104			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0104			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	1.5	D	0.10	1.0
m,p-Xylene	4.7	D	0.13	2.5
Xylene, o-	1.9	D	0.090	1.0
Xylene (total)	6.6		0.21	3.5
Styrene	5.1	D	0.080	1.0
Bromoform	0.15	U Q	0.13	1.0
Cumene	0.24	J D	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.31	J D	0.14	1.0
4-Ethyltoluene	0.53	J D	0.10	1.0
1,3,5-Trimethylbenzene	0.48	J D	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	1.9	D	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.15	U	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U M	0.15	2.5

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.9	J D	1.4	12
Freon 22	3.5	U	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	2.4	U	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	1.5	J D M	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	77	D	8.2	59
Isopropyl alcohol	6.1	U	1.8	61
Carbon disulfide	6.8	J D	0.47	7.8

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785VMP0501PA

Lab Sample ID: 200-29580-20
Client Matrix: Air

Date Sampled: 09/01/2015 1600
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_021.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0104			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0104			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.5	U	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	0.53	U	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	2.9	U	1.4	7.4
cis-1,2-Dichloroethene	1.6	U	0.59	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	7.9
Chloroform	2.0	U M	0.93	4.9
Tetrahydrofuran	540	D	2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.92	J D	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	8.6	D	0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	150	D	0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	4.1	U	3.7	10
Toluene	2.6	J D	0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	1.0	U	1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	6.7	D	0.43	4.3
m,p-Xylene	21	D	0.54	11
Xylene, o-	8.1	D	0.39	4.3
Xylene (total)	29		0.89	15
Styrene	22	D	0.34	4.3
Bromoform	1.6	U Q	1.3	10
Cumene	1.2	J D	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	1.5	J D	0.66	4.9
4-Ethyltoluene	2.6	J D	0.49	4.9
1,3,5-Trimethylbenzene	2.4	J D	0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785VMP0501PA

Lab Sample ID: 200-29580-20
Client Matrix: Air

Date Sampled: 09/01/2015 1600
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_021.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0104			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0104			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	9.3	D	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	0.82	U	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U M	0.79	13

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0401PA

Lab Sample ID: 200-29580-21 Date Sampled: 09/01/2015 1545
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_024.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0759			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0759			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.62	J D	0.28	2.5
Freon 22	1.0	U	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	1.0	U	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.27	J D M	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	51	D	3.5	25
Isopropyl alcohol	2.5	U	0.75	25
Carbon disulfide	6.6	D	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.0	U	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.15	U	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	19	D	0.46	2.5
cis-1,2-Dichloroethene	1.3	D	0.15	1.0
1,2-Dichloroethene, Total	1.3	J	0.27	2.0
Chloroform	0.34	J D M	0.19	1.0
Tetrahydrofuran	120	D	0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.085	J D	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	0.23	J D M	0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	6.1	D	0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.0	U	0.90	2.5
Toluene	1.8	D	0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	0.15	U	0.15	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0401PA

Lab Sample ID: 200-29580-21 Date Sampled: 09/01/2015 1545
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_024.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0759			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0759			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	1.0	D	0.10	1.0
m,p-Xylene	3.7	D	0.13	2.5
Xylene, o-	1.2	D	0.090	1.0
Xylene (total)	4.9		0.21	3.5
Styrene	0.33	J D	0.080	1.0
Bromoform	0.15	U Q	0.13	1.0
Cumene	0.12	J D	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.52	J D	0.14	1.0
4-Ethyltoluene	0.84	J D	0.10	1.0
1,3,5-Trimethylbenzene	0.63	J D	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	2.2	D	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.15	U	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U	0.15	2.5

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.1	J D	1.4	12
Freon 22	3.5	U	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	2.4	U	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	1.5	J D M	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	120	D	8.2	59
Isopropyl alcohol	6.1	U	1.8	61
Carbon disulfide	21	D	0.47	7.8

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 785VMP0401PA

Lab Sample ID: 200-29580-21 Date Sampled: 09/01/2015 1545
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_024.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0759			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0759			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.5	U	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	0.53	U	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	55	D	1.4	7.4
cis-1,2-Dichloroethene	5.1	D	0.59	4.0
1,2-Dichloroethene, Total	5.2	J	1.1	7.9
Chloroform	1.7	J D M	0.93	4.9
Tetrahydrofuran	360	D	2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.53	J D	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	0.75	J D M	0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	33	D	0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	4.1	U	3.7	10
Toluene	6.7	D	0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	1.0	U	1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	4.5	D	0.43	4.3
m,p-Xylene	16	D	0.54	11
Xylene, o-	5.3	D	0.39	4.3
Xylene (total)	21		0.89	15
Styrene	1.4	J D	0.34	4.3
Bromoform	1.6	U Q	1.3	10
Cumene	0.57	J D	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	2.6	J D	0.66	4.9
4-Ethyltoluene	4.2	J D	0.49	4.9
1,3,5-Trimethylbenzene	3.1	J D	0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785VMP0401PA

Lab Sample ID: 200-29580-21
Client Matrix: Air

Date Sampled: 09/01/2015 1545
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_024.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0759			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0759			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	11	D	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	0.82	U	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U	0.79	13

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PC

Lab Sample ID: 200-29580-22 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0242			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0242			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.056	0.50
Freon 22	0.24	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	1.4		0.060	0.50
n-Butane	0.36	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.22		0.045	0.20
Freon TF	0.078	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.1		0.69	5.0
Isopropyl alcohol	1.5	J	0.15	5.0
Carbon disulfide	8.2		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.12	J	0.12	0.50
tert-Butyl alcohol	0.69	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.089	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.0		0.092	0.50
cis-1,2-Dichloroethene	0.035	J M	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	6.1		0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.083	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.078	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.063	J	0.037	0.20
Trichloroethene	2.3		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.18	J	0.18	0.50
Toluene	0.49		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PC

Lab Sample ID: 200-29580-22 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0242			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0242			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.98		0.020	0.20
m,p-Xylene	1.1		0.025	0.50
Xylene, o-	0.48		0.018	0.20
Xylene (total)	1.6		0.041	0.70
Styrene	0.092	J	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.10	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.11	J	0.027	0.20
4-Ethyltoluene	0.15	J	0.020	0.20
1,3,5-Trimethylbenzene	0.13	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.49		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.15	J	0.020	0.20
1,3-Dichlorobenzene	0.22		0.020	0.20
1,4-Dichlorobenzene	0.020	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.17	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	0.84	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	2.9		0.12	1.0
n-Butane	0.86	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.60	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	12		1.6	12
Isopropyl alcohol	3.7	J	0.37	12
Carbon disulfide	26		0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PC

Lab Sample ID: 200-29580-22 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0242			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0242			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.41	J	0.42	1.7
tert-Butyl alcohol	2.1	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.31	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.1		0.27	1.5
cis-1,2-Dichloroethene	0.14	J M	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	18		0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.52	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.25	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.26	J	0.15	0.82
Trichloroethene	12		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.72	J	0.74	2.0
Toluene	1.9		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	4.2		0.087	0.87
m,p-Xylene	4.9		0.11	2.2
Xylene, o-	2.1		0.078	0.87
Xylene (total)	6.9		0.18	3.0
Styrene	0.39	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.50	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.53	J	0.13	0.98
4-Ethyltoluene	0.72	J	0.098	0.98
1,3,5-Trimethylbenzene	0.63	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 786VMP0202PC

Lab Sample ID: 200-29580-22 Date Sampled: 09/01/2015 1540
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0242			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0242			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.82	J	0.11	1.1
1,3-Dichlorobenzene	1.3		0.12	1.2
1,4-Dichlorobenzene	0.12	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.87	J	0.16	2.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 082815TB

Lab Sample ID: 200-29580-23TB Date Sampled: 08/28/2015 0745
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0408			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0408			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.16	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 082815TB

Lab Sample ID: 200-29580-23TB Date Sampled: 08/28/2015 0745
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0408			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0408			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U Q	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc Job Number: 200-29580-1

Client Sample ID: 082815TB

Lab Sample ID: 200-29580-23TB Date Sampled: 08/28/2015 0745
Client Matrix: Air Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0408			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0408			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.56	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 082815TB

Lab Sample ID: 200-29580-23TB
Client Matrix: Air

Date Sampled: 08/28/2015 0745
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0408			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0408			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93647

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93647/4	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15629_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 1411	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 1411			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.138	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93647

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93647/4	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15629_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 1411	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 1411			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.030	U	0.030	0.20
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93647

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93647/4	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15629_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 1411	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 1411			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.480	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93647

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93647/4	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15629_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 1411	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 1411			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Control Sample - Batch: 200-93647

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-93647/3	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15629_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 1322	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 1322			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.4	104	70 - 130	
Freon 22	10.0	10.1	101	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.4	114	70 - 130	
Chloromethane	10.0	9.35	94	70 - 130	
n-Butane	10.0	9.44	94	70 - 130	
Vinyl chloride	10.0	9.97	100	70 - 130	
1,3-Butadiene	10.0	9.42	94	70 - 130	
Bromomethane	10.0	10.1	101	70 - 130	
Chloroethane	10.0	9.50	95	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.85	99	70 - 130	
Trichlorofluoromethane	10.0	10.2	102	70 - 130	
Freon TF	10.0	10.2	102	70 - 130	
1,1-Dichloroethene	10.0	10.0	100	70 - 130	
Acetone	10.0	9.62	96	70 - 130	
Isopropyl alcohol	10.0	8.29	83	70 - 130	
Carbon disulfide	10.0	11.5	115	70 - 130	
3-Chloropropene	10.0	9.83	98	70 - 130	
Methylene Chloride	10.0	9.14	91	70 - 130	
tert-Butyl alcohol	10.0	8.88	89	70 - 130	
Methyl tert-butyl ether	10.0	9.90	99	70 - 130	
trans-1,2-Dichloroethene	10.0	10.4	104	70 - 130	
n-Hexane	10.0	9.86	99	70 - 130	
1,1-Dichloroethane	10.0	9.84	98	70 - 130	
Methyl Ethyl Ketone	10.0	9.25	92	70 - 130	
cis-1,2-Dichloroethene	10.0	10.1	101	70 - 130	
Chloroform	10.0	10.5	105	70 - 130	
Tetrahydrofuran	10.0	9.71	97	70 - 130	
1,1,1-Trichloroethane	10.0	10.5	105	70 - 130	
Cyclohexane	10.0	10.0	100	70 - 130	
Carbon tetrachloride	10.0	11.0	110	70 - 130	
2,2,4-Trimethylpentane	10.0	9.81	98	70 - 130	
Benzene	10.0	10.0	100	70 - 130	
1,2-Dichloroethane	10.0	10.4	104	70 - 130	
n-Heptane	10.0	9.80	98	70 - 130	
Trichloroethene	10.0	10.1	101	70 - 130	
Methyl methacrylate	10.0	10.9	109	70 - 130	
1,2-Dichloropropane	10.0	10.5	105	70 - 130	
1,4-Dioxane	10.0	9.63	96	70 - 130	
Bromodichloromethane	10.0	11.1	111	70 - 130	
cis-1,3-Dichloropropene	10.0	10.9	109	70 - 130	
methyl isobutyl ketone	10.0	10.8	108	70 - 130	
Toluene	10.0	10.3	103	70 - 130	
trans-1,3-Dichloropropene	10.0	10.5	105	70 - 130	
1,1,2-Trichloroethane	10.0	10.5	105	70 - 130	
Tetrachloroethene	10.0	10.6	106	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70 - 130	

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Control Sample - Batch: 200-93647

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-93647/3	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15629_03.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 1322	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 1322			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	11.4	114	70 - 130	
1,2-Dibromoethane	10.0	10.7	107	70 - 130	
Chlorobenzene	10.0	10.5	105	70 - 130	
Ethylbenzene	10.0	10.3	103	70 - 130	
m,p-Xylene	20.0	20.5	102	70 - 130	
Xylene, o-	10.0	10.1	101	70 - 130	
Styrene	10.0	10.3	103	70 - 130	
Bromoform	10.0	14.1	141	70 - 130	Q
Cumene	10.0	10.1	101	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	70 - 130	
n-Propylbenzene	10.0	10.2	102	70 - 130	
4-Ethyltoluene	10.0	10.3	103	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.1	101	70 - 130	
2-Chlorotoluene	10.0	10.1	101	70 - 130	
tert-Butylbenzene	10.0	10.0	100	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.91	99	70 - 130	
sec-Butylbenzene	10.0	9.21	92	70 - 130	
4-Isopropyltoluene	10.0	8.60	86	70 - 130	
1,3-Dichlorobenzene	10.0	10.6	106	70 - 130	
1,4-Dichlorobenzene	10.0	10.5	105	70 - 130	
Benzyl chloride	10.0	9.93	99	70 - 130	
n-Butylbenzene	10.0	10.2	102	70 - 130	
1,2-Dichlorobenzene	10.0	10.4	104	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.57	96	70 - 130	
Hexachlorobutadiene	10.0	10.4	104	70 - 130	
Naphthalene	10.0	9.19	92	70 - 130	

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93784

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93784/4	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15679_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1051	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1051			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93784

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93784/4	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15679_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1051	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1051			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.030	U	0.030	0.20
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93784

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93784/4	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15679_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1051	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1051			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1

Client: FPM Remediations Inc

Job Number: 200-29580-1

Method Blank - Batch: 200-93784

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-93784/4	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15679_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1051	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1051			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Control Sample - Batch: 200-93784

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-93784/3	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15679_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1002	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1002			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.7	107	70 - 130	
Freon 22	10.0	9.87	99	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.1	111	70 - 130	
Chloromethane	10.0	8.92	89	70 - 130	
n-Butane	10.0	8.57	86	70 - 130	
Vinyl chloride	10.0	9.02	90	70 - 130	
1,3-Butadiene	10.0	8.60	86	70 - 130	
Bromomethane	10.0	9.27	93	70 - 130	
Chloroethane	10.0	9.53	95	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.96	100	70 - 130	
Trichlorofluoromethane	10.0	10.7	107	70 - 130	
Freon TF	10.0	10.4	104	70 - 130	
1,1-Dichloroethene	10.0	9.89	99	70 - 130	
Acetone	10.0	9.49	95	70 - 130	
Isopropyl alcohol	10.0	8.14	81	70 - 130	
Carbon disulfide	10.0	11.2	112	70 - 130	
3-Chloropropene	10.0	9.59	96	70 - 130	
Methylene Chloride	10.0	9.36	94	70 - 130	
tert-Butyl alcohol	10.0	9.06	91	70 - 130	
Methyl tert-butyl ether	10.0	9.97	100	70 - 130	
trans-1,2-Dichloroethene	10.0	10.5	105	70 - 130	
n-Hexane	10.0	9.89	99	70 - 130	
1,1-Dichloroethane	10.0	9.82	98	70 - 130	
Methyl Ethyl Ketone	10.0	9.23	92	70 - 130	
cis-1,2-Dichloroethene	10.0	9.62	96	70 - 130	
Chloroform	10.0	10.5	105	70 - 130	
Tetrahydrofuran	10.0	9.79	98	70 - 130	
1,1,1-Trichloroethane	10.0	11.4	114	70 - 130	
Cyclohexane	10.0	10.1	101	70 - 130	
Carbon tetrachloride	10.0	12.3	123	70 - 130	
2,2,4-Trimethylpentane	10.0	9.70	97	70 - 130	
Benzene	10.0	9.98	100	70 - 130	
1,2-Dichloroethane	10.0	11.1	111	70 - 130	
n-Heptane	10.0	9.56	96	70 - 130	
Trichloroethene	10.0	10.8	108	70 - 130	
Methyl methacrylate	10.0	10.3	103	70 - 130	
1,2-Dichloropropane	10.0	9.67	97	70 - 130	
1,4-Dioxane	10.0	9.59	96	70 - 130	
Bromodichloromethane	10.0	11.1	111	70 - 130	
cis-1,3-Dichloropropene	10.0	10.4	104	70 - 130	
methyl isobutyl ketone	10.0	9.83	98	70 - 130	
Toluene	10.0	10.3	103	70 - 130	
trans-1,3-Dichloropropene	10.0	11.2	112	70 - 130	
1,1,2-Trichloroethane	10.0	10.5	105	70 - 130	
Tetrachloroethene	10.0	11.1	111	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.0	100	70 - 130	

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Control Sample - Batch: 200-93784

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-93784/3	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	15679_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1002	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1002			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	12.0	120	70 - 130	
1,2-Dibromoethane	10.0	10.8	108	70 - 130	
Chlorobenzene	10.0	10.6	106	70 - 130	
Ethylbenzene	10.0	10.6	106	70 - 130	
m,p-Xylene	20.0	21.2	106	70 - 130	
Xylene, o-	10.0	10.4	104	70 - 130	
Styrene	10.0	10.7	107	70 - 130	
Bromoform	10.0	14.4	144	70 - 130	Q
Cumene	10.0	10.7	107	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70 - 130	
n-Propylbenzene	10.0	10.9	109	70 - 130	
4-Ethyltoluene	10.0	11.3	113	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.1	111	70 - 130	
2-Chlorotoluene	10.0	11.1	111	70 - 130	
tert-Butylbenzene	10.0	11.2	112	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.1	111	70 - 130	
sec-Butylbenzene	10.0	11.1	111	70 - 130	
4-Isopropyltoluene	10.0	11.2	112	70 - 130	
1,3-Dichlorobenzene	10.0	11.4	114	70 - 130	
1,4-Dichlorobenzene	10.0	11.4	114	70 - 130	
Benzyl chloride	10.0	12.2	122	70 - 130	
n-Butylbenzene	10.0	11.0	110	70 - 130	
1,2-Dichlorobenzene	10.0	11.3	113	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.5	105	70 - 130	
Hexachlorobutadiene	10.0	11.0	110	70 - 130	
Naphthalene	10.0	10.1	101	70 - 130	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 200-29580-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Quality Control Results

Client: FPM Remediations Inc

Job Number: 200-29580-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-93647					
LCS 200-93647/3	Lab Control Sample	T	Air	TO-15	
MB 200-93647/4	Method Blank	T	Air	TO-15	
200-29580-10	774IA1NA	T	Air	TO-15	
200-29580-11	774776OA1NA	T	Air	TO-15	
200-29580-12	776IA1NA	T	Air	TO-15	
200-29580-16	785IA15	T	Air	TO-15	
200-29580-17	786IA14	T	Air	TO-15	
200-29580-18	785786OA11	T	Air	TO-15	
200-29580-23TB	082815TB	T	Air	TO-15	
Analysis Batch:200-93784					
LCS 200-93784/3	Lab Control Sample	T	Air	TO-15	
MB 200-93784/4	Method Blank	T	Air	TO-15	
200-29580-1	774776CA01MA	T	Air	TO-15	
200-29580-2	785786CA01MA	T	Air	TO-15	
200-29580-3	774VMP0101NA	T	Air	TO-15	
200-29580-4	774VMP0201NA	T	Air	TO-15	
200-29580-5	774VMP0301NA	T	Air	TO-15	
200-29580-6	776VMP0201NC	T	Air	TO-15	
200-29580-7	776VMP0201NA	T	Air	TO-15	
200-29580-8	776VMP0201NA	T	Air	TO-15	
200-29580-9	776VMP0301NA	T	Air	TO-15	
200-29580-13	786VMP0202PA	T	Air	TO-15	
200-29580-14	786VMP0302PA	T	Air	TO-15	
200-29580-15	786VMP0102PA	T	Air	TO-15	
200-29580-19	785VMP0202PA	T	Air	TO-15	
200-29580-20	785VMP0501PA	T	Air	TO-15	
200-29580-21	785VMP0401PA	T	Air	TO-15	
200-29580-22	786VMP0202PC	T	Air	TO-15	

Report Basis
T = Total

Client: FPM Remediations Inc Job Number: 200-29580-1

Laboratory Chronicle

Lab ID: 200-29580-1 **Client ID: 774776CA01MA**

Sample Date/Time: 08/28/2015 11:40 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-1		200-93784		09/10/2015 14:13	1	TAL BUR	WRD
A:TO-15	200-29580-A-1		200-93784		09/10/2015 14:13	1	TAL BUR	WRD

Lab ID: 200-29580-2 **Client ID: 785786CA01MA**

Sample Date/Time: 08/28/2015 11:50 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-2		200-93784		09/10/2015 15:05	1	TAL BUR	WRD
A:TO-15	200-29580-A-2		200-93784		09/10/2015 15:05	1	TAL BUR	WRD

Lab ID: 200-29580-3 **Client ID: 774VMP0101NA**

Sample Date/Time: 08/31/2015 11:08 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-3		200-93784		09/10/2015 15:56	1	TAL BUR	WRD
A:TO-15	200-29580-A-3		200-93784		09/10/2015 15:56	1	TAL BUR	WRD

Lab ID: 200-29580-4 **Client ID: 774VMP0201NA**

Sample Date/Time: 08/31/2015 11:15 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-4		200-93784		09/10/2015 16:46	1	TAL BUR	WRD
A:TO-15	200-29580-A-4		200-93784		09/10/2015 16:46	1	TAL BUR	WRD

Lab ID: 200-29580-5 **Client ID: 774VMP0301NA**

Sample Date/Time: 08/31/2015 11:20 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-5		200-93784		09/10/2015 17:34	20	TAL BUR	WRD
A:TO-15	200-29580-A-5		200-93784		09/10/2015 17:34	20	TAL BUR	WRD

Client: FPM Remediations Inc Job Number: 200-29580-1

Laboratory Chronicle

Lab ID: 200-29580-6 **Client ID: 776VMP0201NC**

Sample Date/Time: 08/31/2015 15:00 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-6		200-93784		09/10/2015 18:25	1	TAL BUR	WRD
A:TO-15	200-29580-A-6		200-93784		09/10/2015 18:25	1	TAL BUR	WRD

Lab ID: 200-29580-7 **Client ID: 776VMP0201NA**

Sample Date/Time: 08/31/2015 15:00 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-7		200-93784		09/10/2015 19:15	1	TAL BUR	WRD
A:TO-15	200-29580-A-7		200-93784		09/10/2015 19:15	1	TAL BUR	WRD

Lab ID: 200-29580-8 **Client ID: 776VMP0201NA**

Sample Date/Time: 08/31/2015 15:05 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-8		200-93784		09/10/2015 20:05	1	TAL BUR	WRD
A:TO-15	200-29580-A-8		200-93784		09/10/2015 20:05	1	TAL BUR	WRD

Lab ID: 200-29580-9 **Client ID: 776VMP0301NA**

Sample Date/Time: 08/31/2015 15:15 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-9		200-93784		09/10/2015 20:54	1	TAL BUR	WRD
A:TO-15	200-29580-A-9		200-93784		09/10/2015 20:54	1	TAL BUR	WRD

Lab ID: 200-29580-10 **Client ID: 774IA1NA**

Sample Date/Time: 08/31/2015 08:10 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-10		200-93647		09/04/2015 23:13	1	TAL BUR	WRD
A:TO-15	200-29580-A-10		200-93647		09/04/2015 23:13	1	TAL BUR	WRD

Client: FPM Remediations Inc Job Number: 200-29580-1

Laboratory Chronicle

Lab ID: 200-29580-11 **Client ID: 774776OA1NA**

Sample Date/Time: 09/01/2015 08:05 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-11		200-93647		09/05/2015 00:02	1	TAL BUR	WRD
A:TO-15	200-29580-A-11		200-93647		09/05/2015 00:02	1	TAL BUR	WRD

Lab ID: 200-29580-12 **Client ID: 776IA1NA**

Sample Date/Time: 08/31/2015 08:20 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-12		200-93647		09/05/2015 00:51	1	TAL BUR	WRD
A:TO-15	200-29580-A-12		200-93647		09/05/2015 00:51	1	TAL BUR	WRD

Lab ID: 200-29580-13 **Client ID: 786VMP0202PA**

Sample Date/Time: 09/01/2015 11:15 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-13		200-93784		09/10/2015 21:45	1	TAL BUR	WRD
A:TO-15	200-29580-A-13		200-93784		09/10/2015 21:45	1	TAL BUR	WRD

Lab ID: 200-29580-14 **Client ID: 786VMP0302PA**

Sample Date/Time: 09/01/2015 11:05 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-14		200-93784		09/10/2015 22:36	1	TAL BUR	WRD
A:TO-15	200-29580-A-14		200-93784		09/10/2015 22:36	1	TAL BUR	WRD

Lab ID: 200-29580-15 **Client ID: 786VMP0102PA**

Sample Date/Time: 09/01/2015 11:10 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-15		200-93784		09/10/2015 23:26	1	TAL BUR	WRD
A:TO-15	200-29580-A-15		200-93784		09/10/2015 23:26	1	TAL BUR	WRD

Client: FPM Remediations Inc Job Number: 200-29580-1

Laboratory Chronicle

Lab ID: 200-29580-16 **Client ID: 785IA15**

Sample Date/Time: 09/01/2015 08:25 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-16		200-93647		09/05/2015 01:41	1	TAL BUR	WRD
A:TO-15	200-29580-A-16		200-93647		09/05/2015 01:41	1	TAL BUR	WRD

Lab ID: 200-29580-17 **Client ID: 786IA14**

Sample Date/Time: 09/01/2015 08:30 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-17		200-93647		09/05/2015 02:30	1	TAL BUR	WRD
A:TO-15	200-29580-A-17		200-93647		09/05/2015 02:30	1	TAL BUR	WRD

Lab ID: 200-29580-18 **Client ID: 785786OA11**

Sample Date/Time: 09/01/2015 08:15 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-18		200-93647		09/05/2015 03:19	1	TAL BUR	WRD
A:TO-15	200-29580-A-18		200-93647		09/05/2015 03:19	1	TAL BUR	WRD

Lab ID: 200-29580-19 **Client ID: 785VMP0202PA**

Sample Date/Time: 09/01/2015 15:40 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-19		200-93784		09/11/2015 00:15	1	TAL BUR	WRD
A:TO-15	200-29580-A-19		200-93784		09/11/2015 00:15	1	TAL BUR	WRD

Lab ID: 200-29580-20 **Client ID: 785VMP0501PA**

Sample Date/Time: 09/01/2015 16:00 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-20		200-93784		09/11/2015 01:04	5	TAL BUR	WRD
A:TO-15	200-29580-A-20		200-93784		09/11/2015 01:04	5	TAL BUR	WRD

Client: FPM Remediations Inc Job Number: 200-29580-1

Laboratory Chronicle

Lab ID: 200-29580-21 **Client ID: 785VMP0401PA**

Sample Date/Time: 09/01/2015 15:45 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-21		200-93784		09/11/2015 07:59	5	TAL BUR	WRD
A:TO-15	200-29580-A-21		200-93784		09/11/2015 07:59	5	TAL BUR	WRD

Lab ID: 200-29580-22 **Client ID: 786VMP0202PC**

Sample Date/Time: 09/01/2015 15:40 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-22		200-93784		09/11/2015 02:42	1	TAL BUR	WRD
A:TO-15	200-29580-A-22		200-93784		09/11/2015 02:42	1	TAL BUR	WRD

Lab ID: 200-29580-23 **Client ID: 082815TB**

Sample Date/Time: 08/28/2015 07:45 Received Date/Time: 09/03/2015 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-29580-A-23		200-93647		09/05/2015 04:08	1	TAL BUR	WRD
A:TO-15	200-29580-A-23		200-93647		09/05/2015 04:08	1	TAL BUR	WRD

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-93647/4		200-93647		09/04/2015 14:11	1	TAL BUR	WRD
A:TO-15	MB 200-93647/4		200-93647		09/04/2015 14:11	1	TAL BUR	WRD
P:Summa Canister	MB 200-93784/4		200-93784		09/10/2015 10:51	1	TAL BUR	WRD
A:TO-15	MB 200-93784/4		200-93784		09/10/2015 10:51	1	TAL BUR	WRD

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-93647/3		200-93647		09/04/2015 13:22	1	TAL BUR	WRD
A:TO-15	LCS 200-93647/3		200-93647		09/04/2015 13:22	1	TAL BUR	WRD
P:Summa Canister	LCS 200-93784/3		200-93784		09/10/2015 10:02	1	TAL BUR	WRD
A:TO-15	LCS 200-93784/3		200-93784		09/10/2015 10:02	1	TAL BUR	WRD

Client: FPM Remediations Inc

Job Number: 200-29580-1

Laboratory Chronicle

Lab References:
TAL BUR = TestAmerica Burlington

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00142	09/15/15	07/10/15	Zero Air, Lot 12	15.463 L	ATTO15CAL6w_00111	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.20044 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Isopropyltoluene	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.20044 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene(Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cumene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Freon 22	0.20044 ppb v/v
							Freon TF	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone	0.20044 ppb v/v
							methyl isobutyl ketone	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butane	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00111	09/15/15	06/22/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00072	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00058	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00072	09/15/15	06/15/15	Zero Air, Lot 12	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00023	12/31/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00058	09/15/15	06/15/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00192	09/15/15	07/10/15	Zero Air, Lot 12	15.463 L	ATTO15CAL6w_00111	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.500453 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.500453 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Freon 22	0.500453 ppb v/v
							Freon TF	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone	0.500453 ppb v/v
							methyl isobutyl ketone	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00058	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00111	09/15/15	06/22/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00072	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00058	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00072	09/15/15	06/15/15	Zero Air, Lot 12	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00023	12/31/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00058	09/15/15	06/15/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00058	09/15/15	06/15/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00152	09/01/15	06/03/15	Zero Air, Lot 12	15.463 L	ATTO15CALSTKi_00071	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	4.99256 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	4.99256 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene(Vinyl Bromide)	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Freon 22	4.99256 ppb v/v
							Freon TF	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone	4.99256 ppb v/v
							methyl isobutyl ketone	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
							Xylene, o-	4.99256 ppb v/v
					ATTO15EthCALw_00057	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00071	09/01/15	06/01/15	Zero Air, Lot 12	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15	Spectra Gases, Lot cc-90855			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00057	09/02/15	06/02/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00478	09/15/15	07/28/15	Zero Air, Lot 12	15.463 L	ATTO15CALSTKi_00073	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00058	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00073	10/27/15	07/27/15	Zero Air, Lot 12	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00058	09/15/15	06/15/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00488	11/17/15	08/27/15	Zero Air, Lot 13	15.463 L	ATTO15CALSTKi_00074	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15CALSTKi_00074	11/25/15	08/25/15	Zero Air, Lot 13	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15	Spectra Gases, Lot cc-90855			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15CAL4w_00492	11/17/15	08/27/15	Zero Air, Lot 13	15.463 L	ATTO15CALSTKi_00074	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15CALSTKi_00074	11/25/15	08/25/15	Zero Air, Lot 13	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15	Spectra Gases, Lot cc-90855			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15CAL5w_00055	09/15/15	06/22/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00072	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	15.0036 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	15.0036 ppb v/v
							Acrylonitrile	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cumene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Freon 22	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Freon TF	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone	15.0036 ppb v/v
							methyl isobutyl ketone	15.0036 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butane	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							n-Propylbenzene	15.0036 ppb v/v
							Naphthalene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
							Xylene, o-	15.0036 ppb v/v
					ATTO15EthCALw_00058	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00072	09/15/15	06/15/15	Zero Air, Lot 12	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00058	09/15/15	06/15/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17		SIGMA, Lot SHBB5682V		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00111	09/15/15	06/22/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00072	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon 22	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00058	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00072	09/15/15	06/15/15	Zero Air, Lot 12	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALs_00023	12/31/15	Spectra Gases, Lot cc-90855			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00058	09/15/15	06/15/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17	SIGMA, Lot SHBB5682V			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00056	09/15/15	06/22/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00072	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	39.9922 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dibromoethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,2-Dichlorotetrafluoroethane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Butadiene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2,2,4-Trimethylpentane	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 ppb v/v
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Benzyl chloride	39.9922 ppb v/v
							Bromodichloromethane	39.9922 ppb v/v
							Bromoethene(Vinyl Bromide)	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,2-Dichloroethene	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cumene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dibromochloromethane	39.9922 ppb v/v
							Dibromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Dodecane	39.9922 ppb v/v
							Ethyl acetate	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Freon 22	39.9922 ppb v/v
							Freon TF	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m,p-Xylene	79.9845 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	39.9922 ppb v/v
							Methyl Ethyl Ketone	39.9922 ppb v/v
							methyl isobutyl ketone	39.9922 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butane	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							n-Hexane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							n-Propylbenzene	39.9922 ppb v/v
							Naphthalene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,2-Dichloroethene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Undecane	39.9922 ppb v/v
							Vinyl acetate	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
							Xylene, o-	39.9922 ppb v/v
					ATTO15EthCALw_00058	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00072	09/15/15	06/15/15	Zero Air, Lot 12	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00058	09/15/15	06/15/15	Zero Air, Lot 12	37.5 ppb	ATTO15EthCALs_00007	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00007	09/11/17	SIGMA, Lot SHBB5682V			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15GIS_00009	11/15/15	Spectra Gases, Lot CC-279057			(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00504	09/15/15	06/22/15	Zero Air, Lot 12	15.463 L	ATTO15LCSSTKi_00063	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00063	09/15/15	06/15/15	Zero Air, Lot 12	37.5 L	ATTO15LCSs_00018	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15LCSs_00018	12/31/15	Spectra Gases, Lot CC-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15LCSW_00514	09/15/15	07/31/15	Zero Air, Lot 12	15.463 L	ATTO15LCSSTKi_00064	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00064	10/30/15	07/30/15	Zero Air, Lot 12	37.5 L	ATTO15LCSs_00018	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15LCSs_00018	12/31/15	Spectra Gases, Lot CC-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15LCSW_00516	09/15/15	07/31/15	Zero Air, Lot 12	15.463 L	ATTO15LCSSTKi_00064	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00064	10/30/15	07/30/15	Zero Air, Lot 12	37.5 L	ATTO15LCSs_00018	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15LCSs_00018	12/31/15	Spectra Gases, Lot CC-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15LCSW_00518	09/15/15	07/31/15	Zero Air, Lot 12	15.463 L	ATTO15LCSSTKi_00064	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon 22	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00064	10/30/15	07/30/15	Zero Air, Lot 12	37.5 L	ATTO15LCSs_00018	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15LCSs_00018	12/31/15	Spectra Gases, Lot CC-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15WISs_00003	11/23/15		Spectra Gases, Lot CC-172855		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v

SIGMA-ALDRICH

sigma-aldrich.com

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

9/15/11

Certificate of Analysis

Product Name:
Ethanol – 200 proof, anhydrous, ≥99.5%

CH_3CH_2OH

Product Number:	**459836**
Lot Number:	**SHBB5682V**
Brand:	SIAL
CAS Number:	64-17-5
MDL Number:	MFCD00003568
Formula:	C2H6O
Formula Weight:	46.07 g/mol
Quality Release Date:	15 SEP 2011

389837
ID: ATTO15EthCALs_00007
Exp 09/01/17 Prod Prd Open 09/01/12
TO15 Ethanol Cal source 9

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.5 %	> 99.9 %
Water (by Karl Fischer)	≤ 0.005 %	0.003 %
Residue on Evaporation	≤ 0.0005 %	0.0003 %
Starting Material Clearance	Confirmed	Conforms
TRACEABLE TO ACS PRODUCT LISTING		

Jennifer Baughman, Manager
Quality Control
Sheboygan Falls, WI US

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

G

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403 USA

ATO2-011-18

CERTIFICATE OF ANALYSIS

SGI ORDER # :	140016		
ITEM# :	1	**CYLINDER # :**	CC-279057
CERTIFICATION DATE:	12/11/2008	**CYLINDER PRES:**	2000 psig
P.O.# :	2282386	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/11/2009

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	107 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84582
ID: ATTO15GIS_00005
Exp 11/15/11 Prpd WRD Open 12/01/10
Instrument G Internal Sta

SOURCE REFERENCE # 260788

ANALYST: Matthew Booth

DATE: 12/11/2008

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.specialtygases.com

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

AT~~06~~= 02-06-05 9/28/05 MTP

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

Recert AT020/009 exp 12/16/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER # :	0077411		
ITEM# :	1	**CYLINDER # :**	CC-172855
CERTIFICATION DATE:	9/16/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2117184	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	9/16/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	100 ppb
1,4-Difluorobenzene	100 ppb	101 ppb
Chlorobenzene-d5	100 ppb	100 ppb
4-Bromofluorobenzene	100 ppb	100 ppb
Nitrogen	Balance	Balance

84579
ID: ATTO15FISs_00003
Exp 11/15/11 Prpd WRD Open 12/01/10
Instrument F Internal Sta

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB 1015-1-01 SVI

TestAmerica Job ID: 200-29580-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSC	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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.: 200-29580-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15629_03.D

Lab ID: LCS 200-93647/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
Freon 22	10.0	10.1	101	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.4	114	70-130	
Chloromethane	10.0	9.35	94	70-130	
n-Butane	10.0	9.44	94	70-130	
Vinyl chloride	10.0	9.97	100	70-130	
1,3-Butadiene	10.0	9.42	94	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	9.50	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.85	99	70-130	
Trichlorofluoromethane	10.0	10.2	102	70-130	
Freon TF	10.0	10.2	102	70-130	
1,1-Dichloroethene	10.0	10.0	100	70-130	
Acetone	10.0	9.62	96	70-130	
Isopropyl alcohol	10.0	8.29	83	70-130	
Carbon disulfide	10.0	11.5	115	70-130	
3-Chloropropene	10.0	9.83	98	70-130	
Methylene Chloride	10.0	9.14	91	70-130	
tert-Butyl alcohol	10.0	8.88	89	70-130	
Methyl tert-butyl ether	10.0	9.90	99	70-130	
trans-1,2-Dichloroethene	10.0	10.4	104	70-130	
n-Hexane	10.0	9.86	99	70-130	
1,1-Dichloroethane	10.0	9.84	98	70-130	
Methyl Ethyl Ketone	10.0	9.25	92	70-130	
cis-1,2-Dichloroethene	10.0	10.1	101	70-130	
Chloroform	10.0	10.5	105	70-130	
Tetrahydrofuran	10.0	9.71	97	70-130	
1,1,1-Trichloroethane	10.0	10.5	105	70-130	
Cyclohexane	10.0	10.0	100	70-130	
Carbon tetrachloride	10.0	11.0	110	70-130	
2,2,4-Trimethylpentane	10.0	9.81	98	70-130	
Benzene	10.0	10.0	100	70-130	
1,2-Dichloroethane	10.0	10.4	104	70-130	
n-Heptane	10.0	9.80	98	70-130	
Trichloroethene	10.0	10.1	101	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.5	105	70-130	
1,4-Dioxane	10.0	9.63	96	70-130	
Bromodichloromethane	10.0	11.1	111	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	10.8	108	70-130	
Toluene	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.: 200-29580-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15629_03.D

Lab ID: LCS 200-93647/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.5	105	70-130	
1,1,2-Trichloroethane	10.0	10.5	105	70-130	
Tetrachloroethene	10.0	10.6	106	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70-130	
Dibromochloromethane	10.0	11.4	114	70-130	
1,2-Dibromoethane	10.0	10.7	107	70-130	
Chlorobenzene	10.0	10.5	105	70-130	
Ethylbenzene	10.0	10.3	103	70-130	
m,p-Xylene	20.0	20.5	102	70-130	
Xylene, o-	10.0	10.1	101	70-130	
Styrene	10.0	10.3	103	70-130	
Bromoform	10.0	14.1	141	70-130	Q
Cumene	10.0	10.1	101	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	70-130	
n-Propylbenzene	10.0	10.2	102	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	10.1	101	70-130	
2-Chlorotoluene	10.0	10.1	101	70-130	
tert-Butylbenzene	10.0	10.0	100	70-130	
1,2,4-Trimethylbenzene	10.0	9.91	99	70-130	
sec-Butylbenzene	10.0	9.21	92	70-130	
4-Isopropyltoluene	10.0	8.60	86	70-130	
1,3-Dichlorobenzene	10.0	10.6	106	70-130	
1,4-Dichlorobenzene	10.0	10.5	105	70-130	
Benzyl chloride	10.0	9.93	99	70-130	
n-Butylbenzene	10.0	10.2	102	70-130	
1,2-Dichlorobenzene	10.0	10.4	104	70-130	
1,2,4-Trichlorobenzene	10.0	9.57	96	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	9.19	92	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.: 200-29580-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15679_003.d

Lab ID: LCS 200-93784/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.7	107	70-130	
Freon 22	10.0	9.87	99	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.1	111	70-130	
Chloromethane	10.0	8.92	89	70-130	
n-Butane	10.0	8.57	86	70-130	
Vinyl chloride	10.0	9.02	90	70-130	
1,3-Butadiene	10.0	8.60	86	70-130	
Bromomethane	10.0	9.27	93	70-130	
Chloroethane	10.0	9.53	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.96	100	70-130	
Trichlorofluoromethane	10.0	10.7	107	70-130	
Freon TF	10.0	10.4	104	70-130	
1,1-Dichloroethene	10.0	9.89	99	70-130	
Acetone	10.0	9.49	95	70-130	
Isopropyl alcohol	10.0	8.14	81	70-130	
Carbon disulfide	10.0	11.2	112	70-130	
3-Chloropropene	10.0	9.59	96	70-130	
Methylene Chloride	10.0	9.36	94	70-130	
tert-Butyl alcohol	10.0	9.06	91	70-130	
Methyl tert-butyl ether	10.0	9.97	100	70-130	
trans-1,2-Dichloroethene	10.0	10.5	105	70-130	
n-Hexane	10.0	9.89	99	70-130	
1,1-Dichloroethane	10.0	9.82	98	70-130	
Methyl Ethyl Ketone	10.0	9.23	92	70-130	
cis-1,2-Dichloroethene	10.0	9.62	96	70-130	
Chloroform	10.0	10.5	105	70-130	
Tetrahydrofuran	10.0	9.79	98	70-130	
1,1,1-Trichloroethane	10.0	11.4	114	70-130	
Cyclohexane	10.0	10.1	101	70-130	
Carbon tetrachloride	10.0	12.3	123	70-130	
2,2,4-Trimethylpentane	10.0	9.70	97	70-130	
Benzene	10.0	9.98	100	70-130	
1,2-Dichloroethane	10.0	11.1	111	70-130	
n-Heptane	10.0	9.56	96	70-130	
Trichloroethene	10.0	10.8	108	70-130	
Methyl methacrylate	10.0	10.3	103	70-130	
1,2-Dichloropropane	10.0	9.67	97	70-130	
1,4-Dioxane	10.0	9.59	96	70-130	
Bromodichloromethane	10.0	11.1	111	70-130	
cis-1,3-Dichloropropene	10.0	10.4	104	70-130	
methyl isobutyl ketone	10.0	9.83	98	70-130	
Toluene	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.: 200-29580-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15679_003.d

Lab ID: LCS 200-93784/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	11.2	112	70-130	
1,1,2-Trichloroethane	10.0	10.5	105	70-130	
Tetrachloroethene	10.0	11.1	111	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.0	100	70-130	
Dibromochloromethane	10.0	12.0	120	70-130	
1,2-Dibromoethane	10.0	10.8	108	70-130	
Chlorobenzene	10.0	10.6	106	70-130	
Ethylbenzene	10.0	10.6	106	70-130	
m,p-Xylene	20.0	21.2	106	70-130	
Xylene, o-	10.0	10.4	104	70-130	
Styrene	10.0	10.7	107	70-130	
Bromoform	10.0	14.4	144	70-130	Q
Cumene	10.0	10.7	107	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70-130	
n-Propylbenzene	10.0	10.9	109	70-130	
4-Ethyltoluene	10.0	11.3	113	70-130	
1,3,5-Trimethylbenzene	10.0	11.1	111	70-130	
2-Chlorotoluene	10.0	11.1	111	70-130	
tert-Butylbenzene	10.0	11.2	112	70-130	
1,2,4-Trimethylbenzene	10.0	11.1	111	70-130	
sec-Butylbenzene	10.0	11.1	111	70-130	
4-Isopropyltoluene	10.0	11.2	112	70-130	
1,3-Dichlorobenzene	10.0	11.4	114	70-130	
1,4-Dichlorobenzene	10.0	11.4	114	70-130	
Benzyl chloride	10.0	12.2	122	70-130	
n-Butylbenzene	10.0	11.0	110	70-130	
1,2-Dichlorobenzene	10.0	11.3	113	70-130	
1,2,4-Trichlorobenzene	10.0	10.5	105	70-130	
Hexachlorobutadiene	10.0	11.0	110	70-130	
Naphthalene	10.0	10.1	101	70-130	

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.: 200-29580-1

SDG No.:

Lab File ID: 15629_04.D Lab Sample ID: MB 200-93647/4

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

Instrument ID: CHX.i Date Analyzed: 09/04/2015 14:11

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 200-93647/3	15629_03.D	09/04/2015 13:22
774IA1NA	200-29580-10	15629_15.D	09/04/2015 23:13
774776OA1NA	200-29580-11	15629_16.D	09/05/2015 00:02
776IA1NA	200-29580-12	15629_17.D	09/05/2015 00:51
785IA15	200-29580-16	15629_18.D	09/05/2015 01:41
786IA14	200-29580-17	15629_19.D	09/05/2015 02:30
785786OA11	200-29580-18	15629_20.D	09/05/2015 03:19
082815TB	200-29580-23	15629_21.D	09/05/2015 04:08

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab File ID: 15679_004.d Lab Sample ID: MB 200-93784/4

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

Instrument ID: CHW.i Date Analyzed: 09/10/2015 10:51

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 200-93784/3	15679_003.d	09/10/2015 10:02
774776CA01MA	200-29580-1	15679_008.d	09/10/2015 14:13
785786CA01MA	200-29580-2	15679_009.d	09/10/2015 15:05
774VMP0101NA	200-29580-3	15679_010.d	09/10/2015 15:56
774VMP0201NA	200-29580-4	15679_011.d	09/10/2015 16:46
774VMP0301NA	200-29580-5	15679_012.d	09/10/2015 17:34
776VMP0201NC	200-29580-6	15679_013.d	09/10/2015 18:25
776VMP0201NA	200-29580-7	15679_014.d	09/10/2015 19:15
776VMP0201NA	200-29580-8	15679_015.d	09/10/2015 20:05
776VMP0301NA	200-29580-9	15679_016.d	09/10/2015 20:54
786VMP0202PA	200-29580-13	15679_017.d	09/10/2015 21:45
786VMP0302PA	200-29580-14	15679_018.d	09/10/2015 22:36
786VMP0102PA	200-29580-15	15679_019.d	09/10/2015 23:26
785VMP0202PA	200-29580-19	15679_020.d	09/11/2015 00:15
785VMP0501PA	200-29580-20	15679_021.d	09/11/2015 01:04
786VMP0202PC	200-29580-22	15679_023.d	09/11/2015 02:42
785VMP0401PA	200-29580-21	15679_024.d	09/11/2015 07:59

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab File ID: 15276_001.d BFB Injection Date: 08/13/2015

Instrument ID: CHW.i BFB Injection Time: 14:44

Analysis Batch No.: 92714

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.2	
75	30.0 - 66.0% of mass 95	41.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	113.4	
175	4.0 - 9.0 % of mass 174	8.0	(7.0)1
176	93.0 - 101.0% of mass 174	110.8	(97.7)1
177	5.0 - 9.0% of mass 176	7.4	(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 200-92714/4	15276_004.d	08/13/2015	17:16
	IC 200-92714/6	15276_006.d	08/13/2015	18:52
	IC 200-92714/7	15276_007.d	08/13/2015	19:42
	IC 200-92714/8	15276_008.d	08/13/2015	20:32
	ICIS 200-92714/9	15276_009.d	08/13/2015	21:22
	IC 200-92714/10	15276_010.d	08/13/2015	22:14
	IC 200-92714/11	15276_011.d	08/13/2015	23:05
	IC 200-92714/12	15276_012.d	08/13/2015	23:55
	ICV 200-92714/15	15276_015.d	08/14/2015	02:21

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab File ID: 156779_001.d BFB Injection Date: 09/10/2015

Instrument ID: CHW.i BFB Injection Time: 08:24

Analysis Batch No.: 93784

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.4	
75	30.0 - 66.0% of mass 95	43.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	106.3	
175	4.0 - 9.0 % of mass 174	7.5	(7.1)1
176	93.0 - 101.0% of mass 174	103.4	(97.3)1
177	5.0 - 9.0% of mass 176	6.9	(6.7)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 200-93784/2	15679_002.d	09/10/2015	09:13
	LCS 200-93784/3	15679_003.d	09/10/2015	10:02
	MB 200-93784/4	15679_004.d	09/10/2015	10:51
774776CA01MA	200-29580-1	15679_008.d	09/10/2015	14:13
785786CA01MA	200-29580-2	15679_009.d	09/10/2015	15:05
774VMP0101NA	200-29580-3	15679_010.d	09/10/2015	15:56
774VMP0201NA	200-29580-4	15679_011.d	09/10/2015	16:46
774VMP0301NA	200-29580-5	15679_012.d	09/10/2015	17:34
776VMP0201NC	200-29580-6	15679_013.d	09/10/2015	18:25
776VMP0201NA	200-29580-7	15679_014.d	09/10/2015	19:15
776VMP0201NA	200-29580-8	15679_015.d	09/10/2015	20:05
776VMP0301NA	200-29580-9	15679_016.d	09/10/2015	20:54
786VMP0202PA	200-29580-13	15679_017.d	09/10/2015	21:45
786VMP0302PA	200-29580-14	15679_018.d	09/10/2015	22:36
786VMP0102PA	200-29580-15	15679_019.d	09/10/2015	23:26
785VMP0202PA	200-29580-19	15679_020.d	09/11/2015	00:15
785VMP0501PA	200-29580-20	15679_021.d	09/11/2015	01:04
786VMP0202PC	200-29580-22	15679_023.d	09/11/2015	02:42
785VMP0401PA	200-29580-21	15679_024.d	09/11/2015	07:59

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab File ID: 15313_01.D BFB Injection Date: 08/17/2015

Instrument ID: CHX.i BFB Injection Time: 15:35

Analysis Batch No.: 92823

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.1	
75	30.0 - 66.0% of mass 95	39.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	103.8	
175	4.0 - 9.0 % of mass 174	7.5	(7.2)1
176	93.0 - 101.0% of mass 174	101.5	(97.8)1
177	5.0 - 9.0% of mass 176	6.4	(6.3)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 200-92823/4	15313_04.D	08/17/2015	18:04
	IC 200-92823/5	15313_05.D	08/17/2015	18:54
	IC 200-92823/6	15313_06.D	08/17/2015	19:44
	IC 200-92823/7	15313_07.D	08/17/2015	20:33
	ICIS 200-92823/8	15313_08.D	08/17/2015	21:23
	IC 200-92823/9	15313_09.D	08/17/2015	22:13
	IC 200-92823/10	15313_10.D	08/17/2015	23:02
	IC 200-92823/11	15313_11.D	08/17/2015	23:52
	ICV 200-92823/15	15313_15.D	08/18/2015	03:10

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab File ID: 15629_01.D BFB Injection Date: 09/04/2015

Instrument ID: CHX.i BFB Injection Time: 11:39

Analysis Batch No.: 93647

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.7	
75	30.0 - 66.0% of mass 95	40.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.9	(0.8)1
174	50.0 - 120.0% of mass 95	108.5	
175	4.0 - 9.0 % of mass 174	7.7	(7.1)1
176	93.0 - 101.0% of mass 174	105.9	(97.6)1
177	5.0 - 9.0% of mass 176	6.8	(6.4)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 200-93647/2	15629_02.D	09/04/2015	12:32
	LCS 200-93647/3	15629_03.D	09/04/2015	13:22
	MB 200-93647/4	15629_04.D	09/04/2015	14:11
774IA1NA	200-29580-10	15629_15.D	09/04/2015	23:13
774776OA1NA	200-29580-11	15629_16.D	09/05/2015	00:02
776IA1NA	200-29580-12	15629_17.D	09/05/2015	00:51
785IA15	200-29580-16	15629_18.D	09/05/2015	01:41
786IA14	200-29580-17	15629_19.D	09/05/2015	02:30
785786OA11	200-29580-18	15629_20.D	09/05/2015	03:19
082815TB	200-29580-23	15629_21.D	09/05/2015	04:08

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Sample No.: ICIS 200-92714/9 Date Analyzed: 08/13/2015 21:22

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

Lab File ID (Standard): 15276_009.d Heated Purge: (Y/N) N

Calibration ID: 31735

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		215023	13.12	1048635	15.02	973083	20.74
UPPER LIMIT		301032	13.45	1468089	15.35	1362316	21.07
LOWER LIMIT		129014	12.79	629181	14.69	583850	20.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-92714/15		237144	13.12	1153973	15.02	1065618	20.74

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29580-1

SDG No.:

Sample No.: CCVIS 200-93784/2 Date Analyzed: 09/10/2015 09:13

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

Lab File ID (Standard): 15679_002.d Heated Purge: (Y/N) N

Calibration ID: 31735

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		249800	13.11	1118311	15.02	1053041	20.74
UPPER LIMIT		349720	13.44	1565635	15.35	1474257	21.07
LOWER LIMIT		149880	12.78	670987	14.69	631825	20.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-93784/3		264374	13.11	1214696	15.02	1129461	20.74
MB 200-93784/4		265333	13.11	1256599	15.02	1164086	20.74
200-29580-1	774776CA01MA	248764	13.11	1156763	15.02	1102471	20.74
200-29580-2	785786CA01MA	237623	13.12	1115752	15.03	1058404	20.74
200-29580-3	774VMP0101NA	264235	13.11	1223530	15.02	1189142	20.74
200-29580-4	774VMP0201NA	227992	13.11	1072149	15.02	1113044	20.74
200-29580-5	774VMP0301NA	278050	13.11	1282700	15.02	1199744	20.74
200-29580-6	776VMP0201NC	229404	13.11	1070419	15.02	1066377	20.74
200-29580-7	776VMP0201NA	243651	13.11	1142465	15.02	1093335	20.74
200-29580-8	776VMP0201NA	261481	13.11	1233848	15.02	1185732	20.74
200-29580-9	776VMP0301NA	266716	13.11	1249779	15.02	1188517	20.74
200-29580-13	786VMP0202PA	266786	13.11	1242121	15.02	1165140	20.74
200-29580-14	786VMP0302PA	234638	13.11	1127351	15.02	1091706	20.74
200-29580-15	786VMP0102PA	161400	13.11	764445	15.02	816994	20.74
200-29580-19	785VMP0202PA	235709	13.11	1092859	15.02	1054532	20.74
200-29580-20	785VMP0501PA	236797	13.11	1077153	15.02	994523	20.74
200-29580-22	786VMP0202PC	255441	13.11	1192880	15.02	1129168	20.74
200-29580-21	785VMP0401PA	225377	13.11	1020857	15.02	948626	20.74

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29580-1

SDG No.:

Sample No.: ICIS 200-92823/8 Date Analyzed: 08/17/2015 21:23

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

Lab File ID (Standard): 15313_08.D Heated Purge: (Y/N) N

Calibration ID: 31716

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		178277	10.28	967745	12.27	948006	18.46
UPPER LIMIT		249588	10.61	1354843	12.60	1327208	18.79
LOWER LIMIT		106966	9.95	580647	11.94	568804	18.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-92823/15		188633	10.29	1018364	12.27	989108	18.46

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29580-1

SDG No.:

Sample No.: CCVIS 200-93647/2 Date Analyzed: 09/04/2015 12:32

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

Lab File ID (Standard): 15629_02.D Heated Purge: (Y/N) N

Calibration ID: 31716

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		168895	10.29	924873	12.26	938533	18.45
UPPER LIMIT		236453	10.62	1294822	12.59	1313946	18.78
LOWER LIMIT		101337	9.96	554924	11.93	563120	18.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-93647/3		172941	10.29	951674	12.27	967593	18.46
MB 200-93647/4		174058	10.28	973917	12.27	987750	18.45
200-29580-10	774IA1NA	133059	10.28	746365	12.26	749544	18.45
200-29580-11	774776OA1NA	135691	10.29	755878	12.26	764678	18.45
200-29580-12	776IA1NA	133860	10.28	737059	12.26	743024	18.45
200-29580-16	785IA15	134313	10.28	753484	12.26	765881	18.45
200-29580-17	786IA14	136604	10.28	759011	12.26	770259	18.45
200-29580-18	785786OA11	132186	10.28	733178	12.26	739365	18.45
200-29580-23	082815TB	132244	10.28	741984	12.26	750446	18.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29580-1

SDG No.:

Client Sample ID: 774776CA01MA Lab Sample ID: 200-29580-1

Matrix: Air Lab File ID: 15679_008.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:40

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 14:13

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.50	0.056
75-45-6	Freon 22	86.47	0.92		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.28	J	0.50	0.060
106-97-8	n-Butane	58.12	0.71		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	7.5		0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	15		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	4.3	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.48	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U M	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.22	J M	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.084	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.4		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.50		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.31	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.30	M	0.20	0.030
110-82-7	Cyclohexane	84.16	0.042	J	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.24		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.23		0.20	0.023
71-43-2	Benzene	78.11	0.11	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776CA01MA Lab Sample ID: 200-29580-1

Matrix: Air Lab File ID: 15679_008.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:40

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 14:13

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	15		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.29		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.10	J	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.28		0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.92		0.50	0.025
95-47-6	Xylene, o-	106.17	0.32		0.20	0.018
1330-20-7	Xylene (total)	106.17	1.2		0.70	0.041
100-42-5	Styrene	104.15	0.034	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.029	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.061	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.085	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.29		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.089	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776CA01MA Lab Sample ID: 200-29580-1

Matrix: Air Lab File ID: 15679_008.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:40

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 14:13

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776CA01MA Lab Sample ID: 200-29580-1

Matrix: Air Lab File ID: 15679_008.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:40

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 14:13

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	6.8		2.5	0.28
75-45-6	Freon 22	86.47	3.3		1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.58	J	1.0	0.12
106-97-8	n-Butane	58.12	1.7		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	42		1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	36		12	1.6
67-63-0	Isopropyl alcohol	60.10	11	J	12	0.37
75-15-0	Carbon disulfide	76.14	1.5	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U M	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.65	J M	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.30	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	4.0		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	2.4		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.91	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.6	M	1.1	0.16
110-82-7	Cyclohexane	84.16	0.14	J	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	1.5		1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	1.1		0.93	0.11
71-43-2	Benzene	78.11	0.37	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776CA01MA Lab Sample ID: 200-29580-1

Matrix: Air Lab File ID: 15679_008.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:40

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 14:13

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	82		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	1.1		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.69	J	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	1.2		0.87	0.087
179601-23-1	m,p-Xylene	106.17	4.0		2.2	0.11
95-47-6	Xylene, o-	106.17	1.4		0.87	0.078
1330-20-7	Xylene (total)	106.17	5.4		3.0	0.18
100-42-5	Styrene	104.15	0.15	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.14	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.30	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.55	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.42	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	1.4		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.49	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776CA01MA Lab Sample ID: 200-29580-1

Matrix: Air Lab File ID: 15679_008.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:40

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 14:13

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Sample Type: Client
Inject. Date: 10-Sep-2015 14:13:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-008
Misc. Info.: 29580-1
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 10:39:47 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 10:39:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.399	4.415	-0.016	99	109788	1.37	
3 Chlorodifluoromethane	51	4.474	4.485	-0.011	96	33235	0.9210	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.987	4.998	-0.011	98	5815	0.2796	
6 Butane	43	5.266	5.282	-0.016	99	21475	0.7082	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.288	0.005	98	664217	7.52	
20 1,1,2-Trichloro-1,2,2-trif	101		8.593				ND	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.946	8.946	0.000	96	485257	15.0	
23 Carbon disulfide	76	9.166	9.166	0.000	97	37113	0.4798	
24 Isopropyl alcohol	45	9.224	9.224	0.000	98	121070	4.34	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.920	9.931	-0.011	82	2609	0.1039	M
28 2-Methyl-2-propanol	59	10.128	10.134	0.005	61	9526	0.2154	M
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.856	10.856	0.000	88	3424	0.0843	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.659	12.654	0.005	98	22039	1.35	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	72	248764	10.0	
41 Tetrahydrofuran	42	13.130	13.114	0.016	34	7155	0.3096	
42 Chloroform	83	13.221	13.221	0.000	95	32656	0.4979	
43 Cyclohexane	84	13.531	13.515	0.016	69	1878	0.0417	
44 1,1,1-Trichloroethane	97	13.542	13.547	0.006	1	20879	0.2982	M

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	45 Carbon tetrachloride	117	13.782	13.788	-0.006	44	17065	0.2410	
	46 Isooctane	57	14.189	14.189	0.000	97	30310	0.2337	
	47 Benzene	78	14.258	14.259	0.000	56	11410	0.1147	
	48 1,2-Dichloroethane	62		14.424				ND	
	49 n-Heptane	43		14.537				ND	
*	50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1156763	10.0	
	53 Trichloroethene	95	15.484	15.484	0.000	94	715116	15.3	
	54 1,2-Dichloropropane	63		16.024				ND	
	55 Methyl methacrylate	69		16.104				ND	
	56 1,4-Dioxane	88		16.200				ND	
	58 Dichlorobromomethane	83		16.505				ND	
	60 cis-1,3-Dichloropropene	75		17.383				ND	
	61 4-Methyl-2-pentanone (MIBK	43		17.629				ND	
	65 Toluene	92	17.966	17.960	0.006	92	22727	0.2859	
	66 trans-1,3-Dichloropropene	75		18.495				ND	
	67 1,1,2-Trichloroethane	83		18.865				ND	
	68 Tetrachloroethene	166	18.993	18.993	0.000	96	8812	0.1022	
	69 2-Hexanone	43	19.266	19.266	0.000	71	5152	0.1012	
	71 Chlorodibromomethane	129		19.624				ND	
	72 Ethylene Dibromide	107		19.918				ND	
S	73 Xylenes, Total	106				0		1.24	
*	74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1102471	10.0	
	75 Chlorobenzene	112		20.790				ND	
	76 Ethylbenzene	91	20.903	20.903	0.000	97	47657	0.2758	
	78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	100	65769	0.9188	
	79 o-Xylene	106	21.807	21.807	0.000	99	23796	0.3223	
	80 Styrene	104	21.839	21.839	0.000	92	3879	0.0343	
	81 Bromoform	173		22.208				ND	
	82 Isopropylbenzene	105	22.353	22.353	0.000	93	6054	0.0288	
	84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
	85 N-Propylbenzene	91	22.978	22.979	-0.001	100	14696	0.0607	
	88 4-Ethyltoluene	105	23.139	23.144	-0.005	99	23978	0.1111	
	89 2-Chlorotoluene	91		23.176				ND	
	90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	93	15655	0.0852	
	92 tert-Butylbenzene	119		23.722				ND	
	93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	54656	0.2946	
	94 sec-Butylbenzene	105		24.065				ND	
	95 4-Isopropyltoluene	119	24.268	24.268	0.000	97	20930	0.0893	
	96 1,3-Dichlorobenzene	146		24.337				ND	
	97 1,4-Dichlorobenzene	146		24.487				ND	
	98 Benzyl chloride	91		24.706				ND	
	100 n-Butylbenzene	91		24.926				ND	
	101 1,2-Dichlorobenzene	146		25.113				ND	
	103 1,2,4-Trichlorobenzene	180		28.141				ND	
	104 Hexachlorobutadiene	225		28.355				ND	
	105 Naphthalene	128	28.783	28.772	0.011	96	4747	0.0211	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

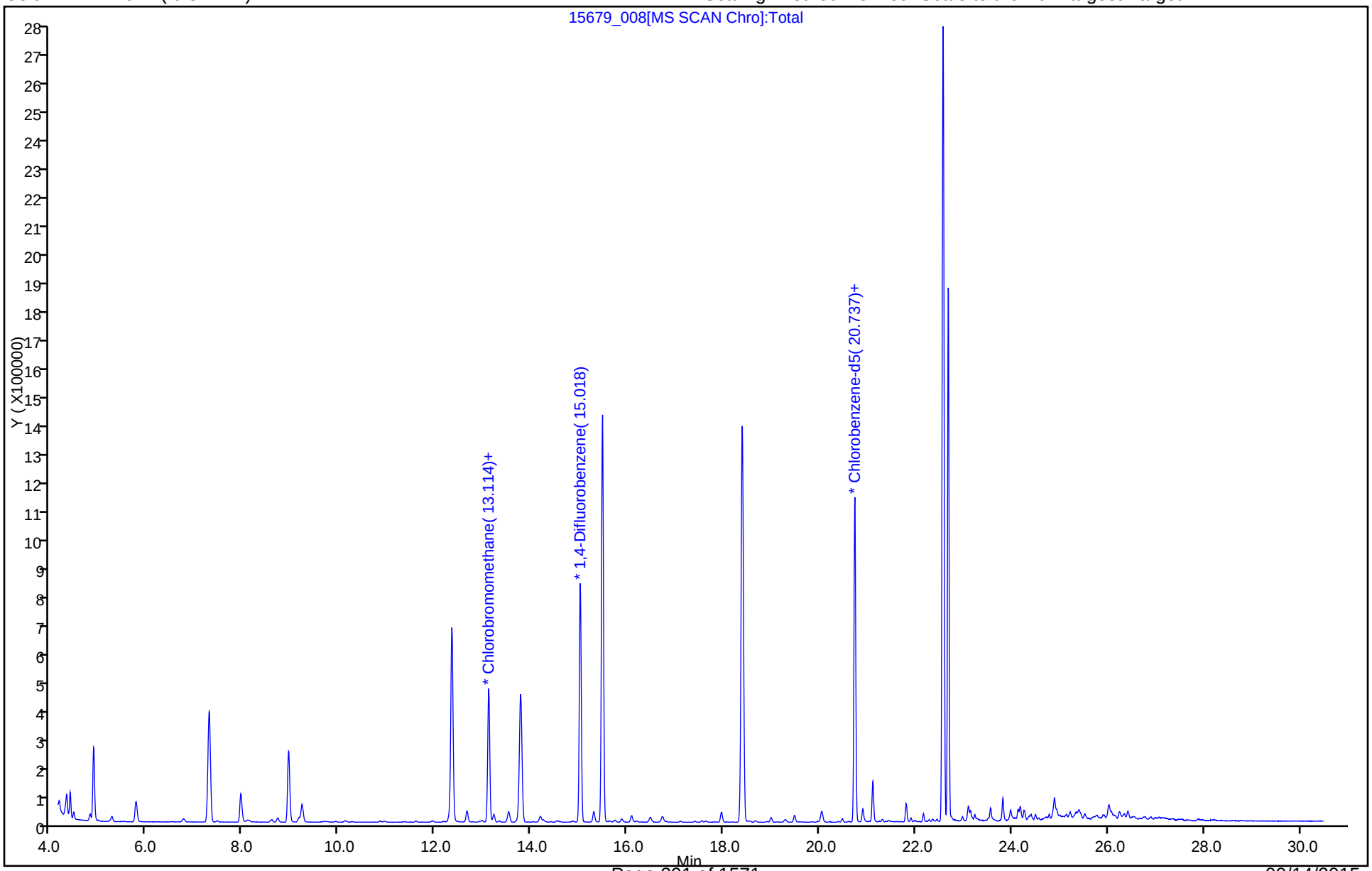
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 11-Sep-2015 10:39:47 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

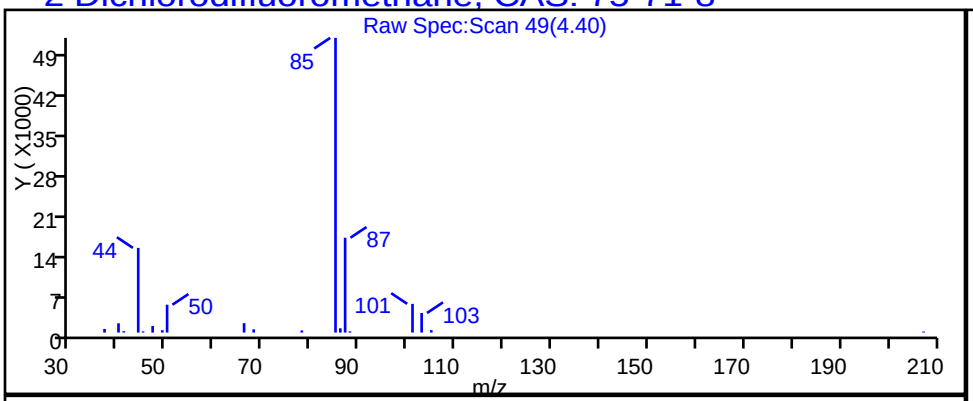
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1	Worklist Smp#:	8
Client ID:	774776CA01MA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

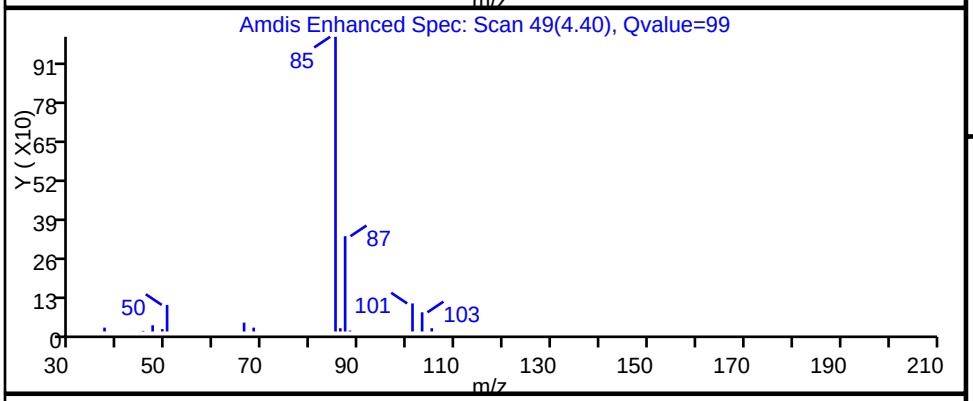
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

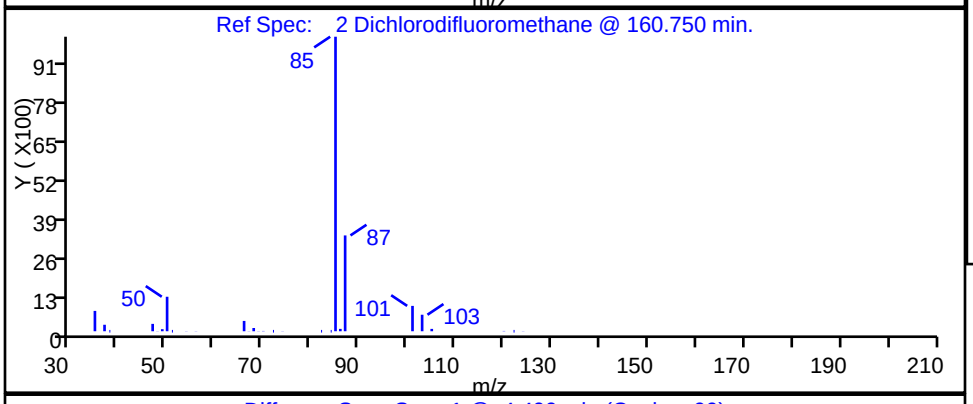


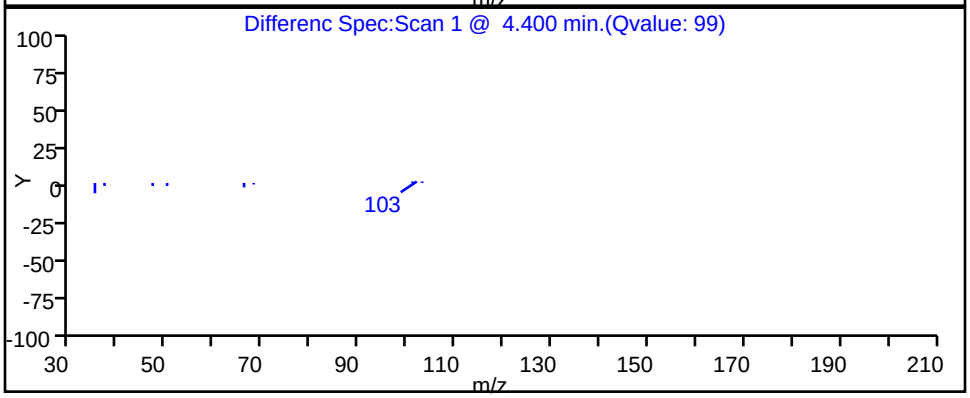
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

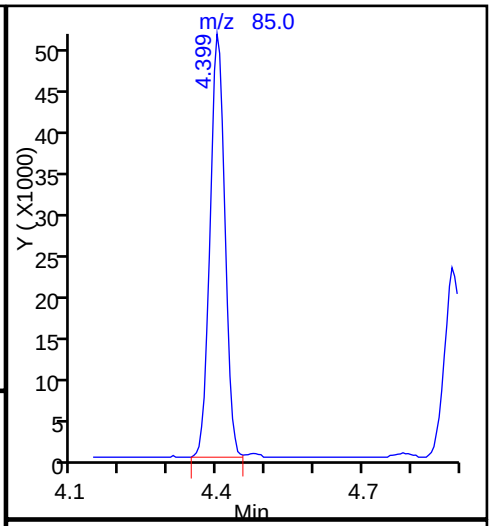
2 Dichlorodifluoromethane, CAS: 75-71-8

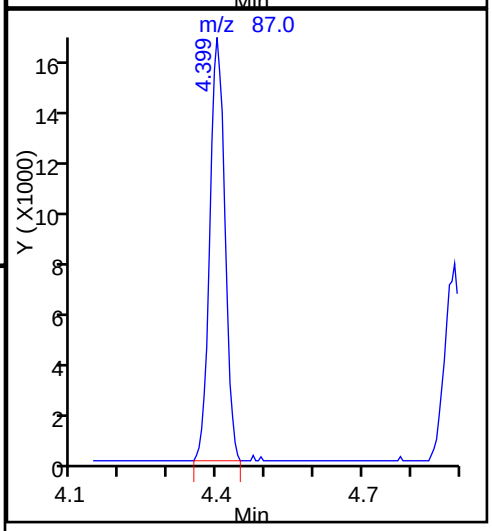








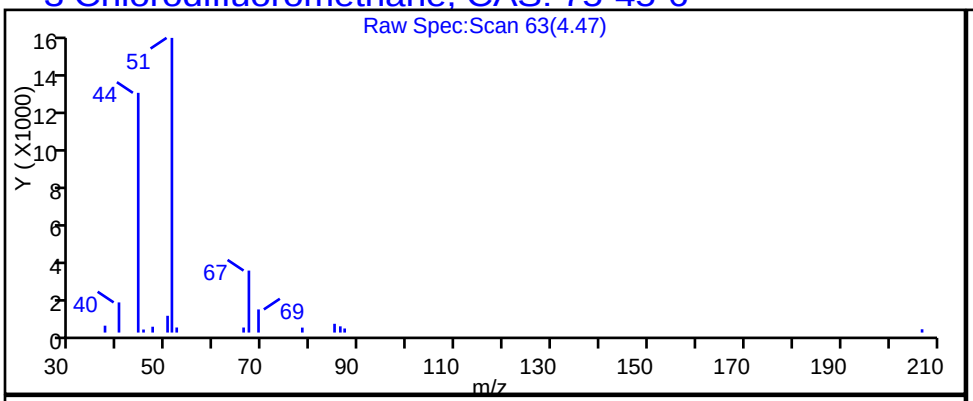


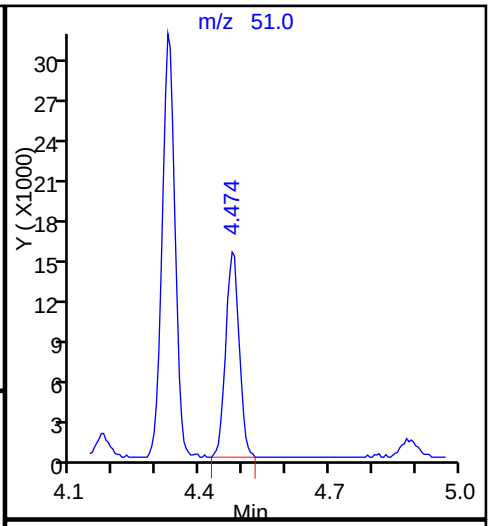


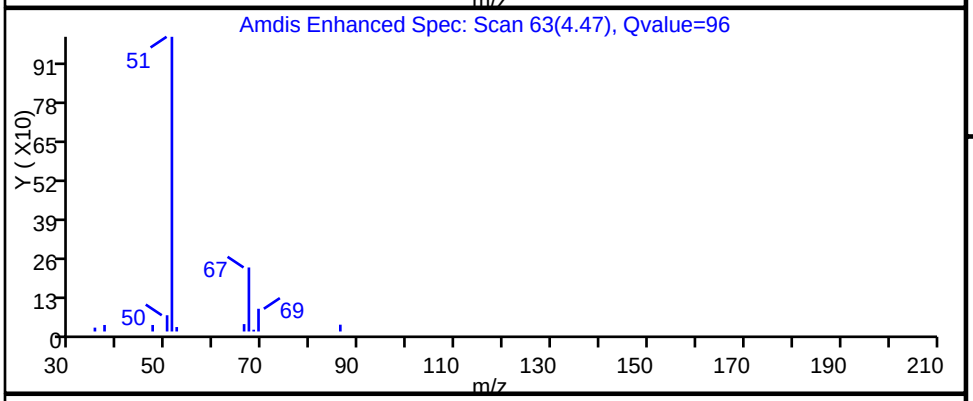
TestAmerica Burlington

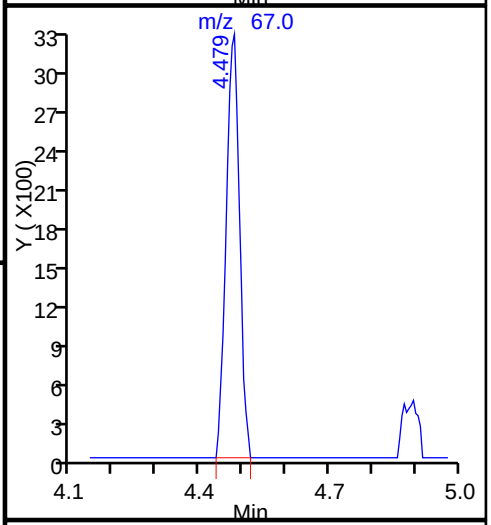
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

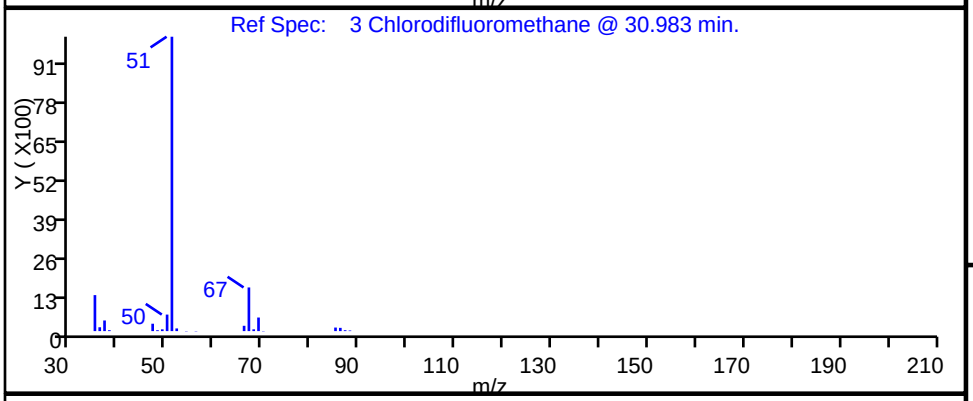
3 Chlorodifluoromethane, CAS: 75-45-6

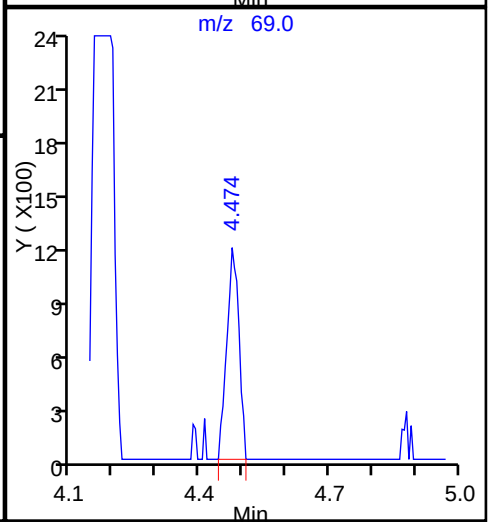


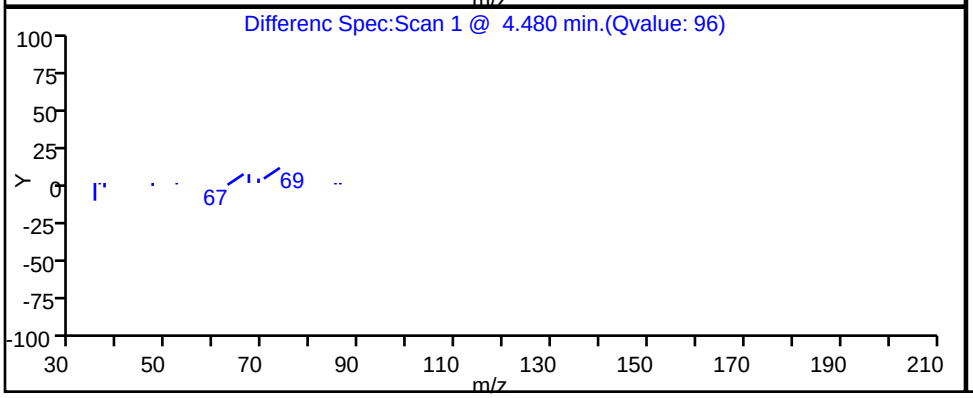








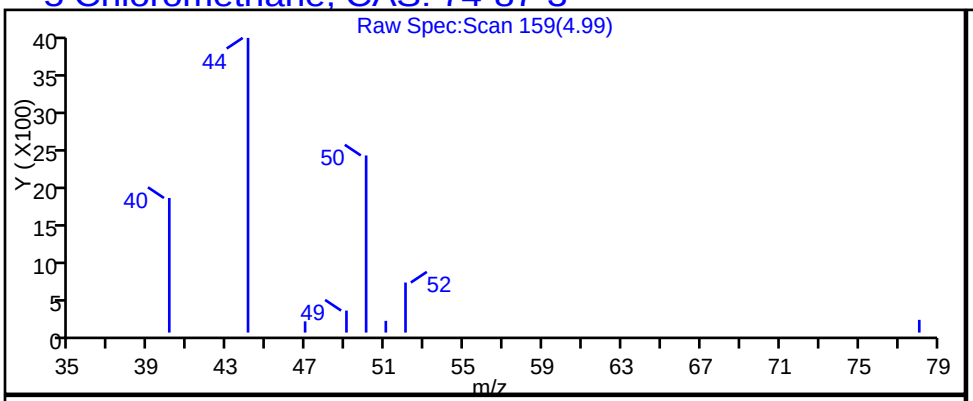


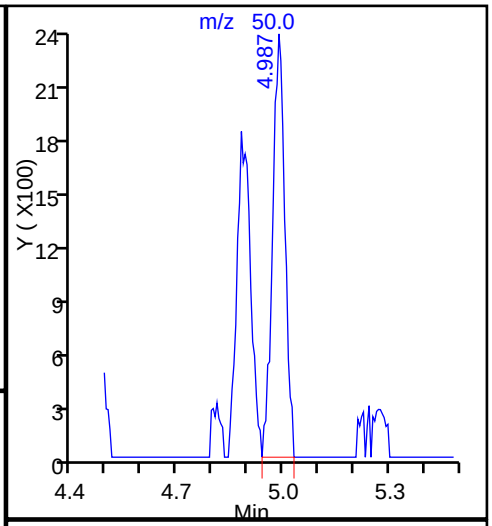


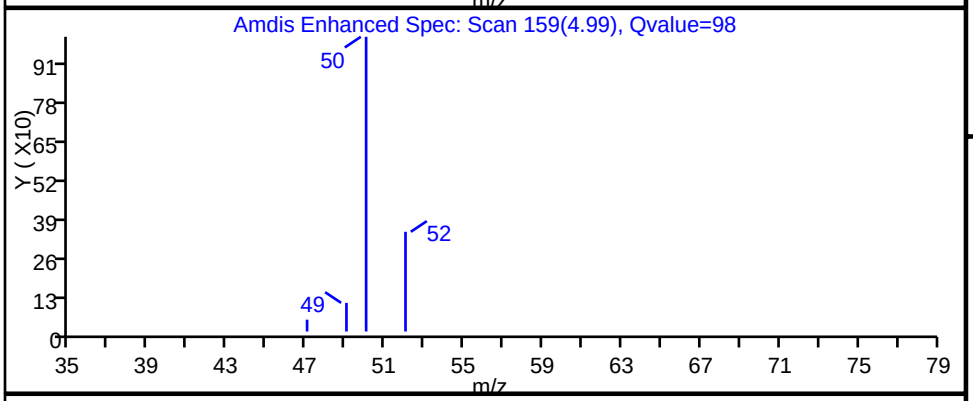
TestAmerica Burlington

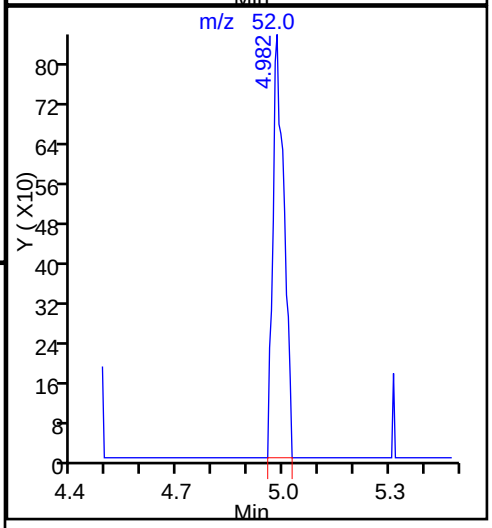
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

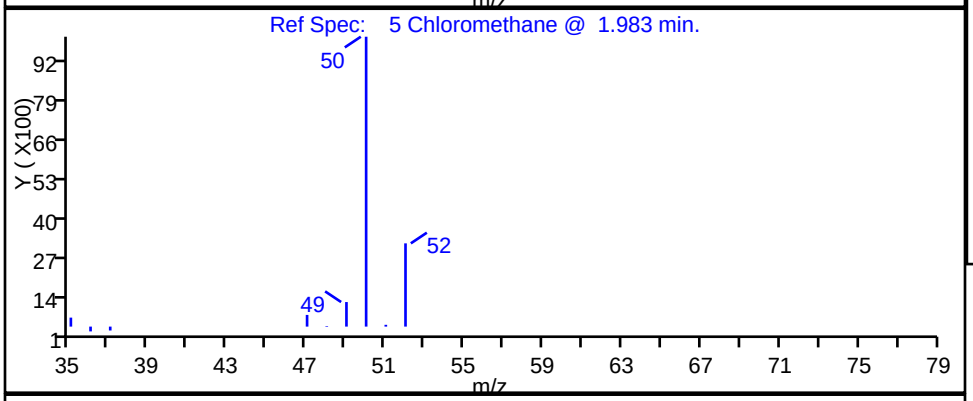
5 Chloromethane, CAS: 74-87-3

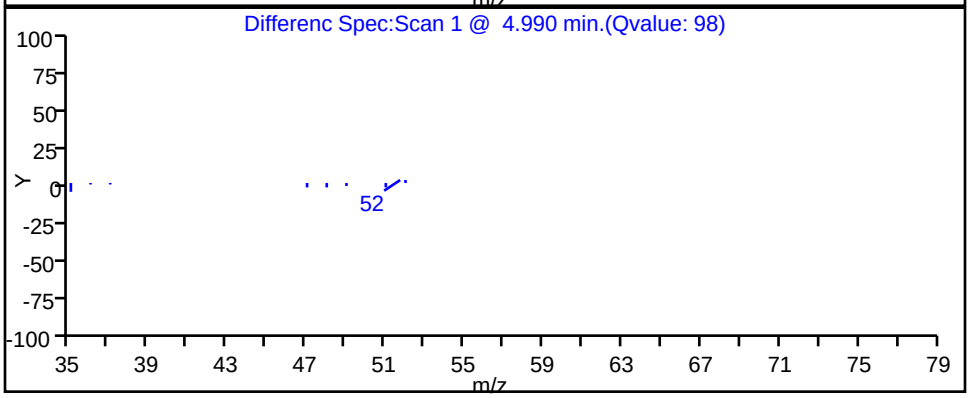






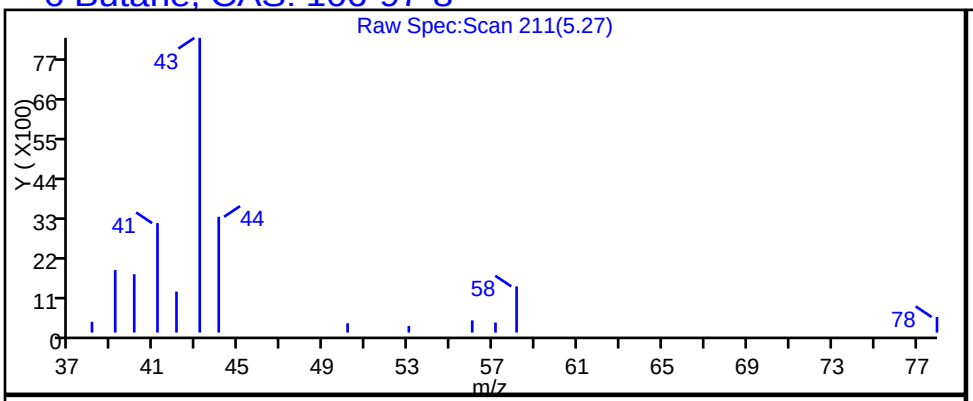


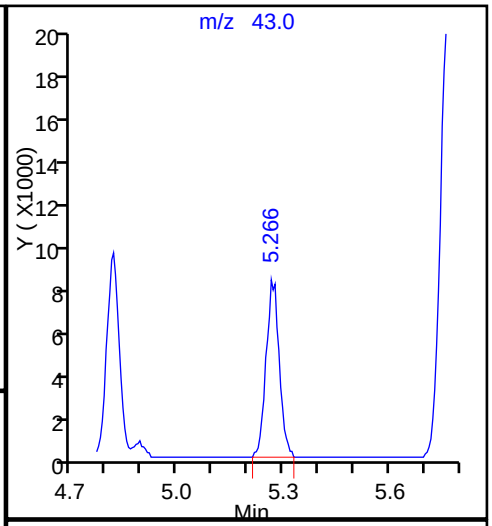


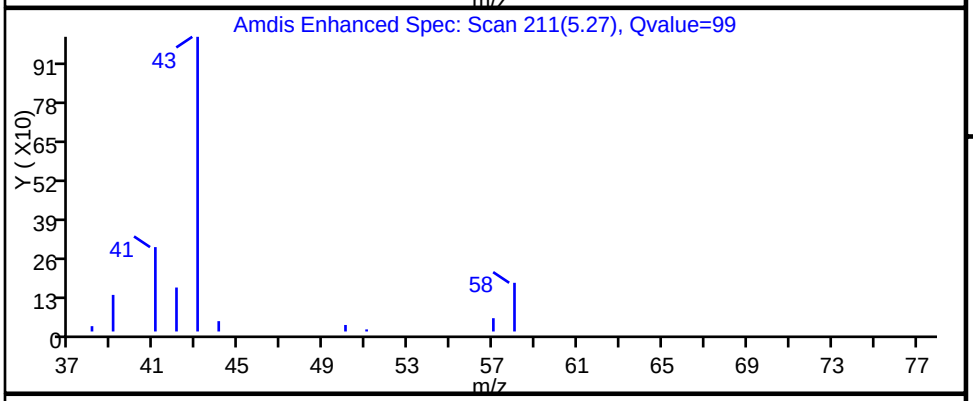


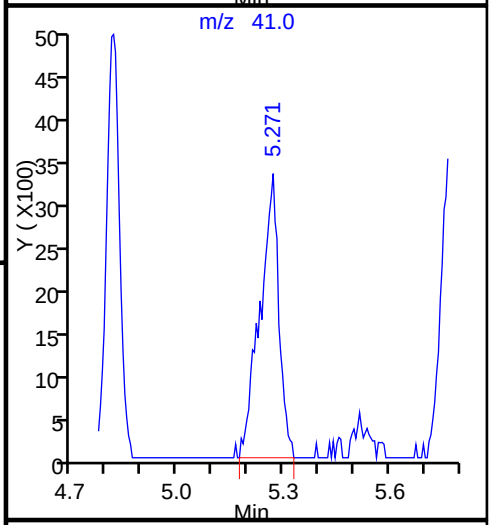
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

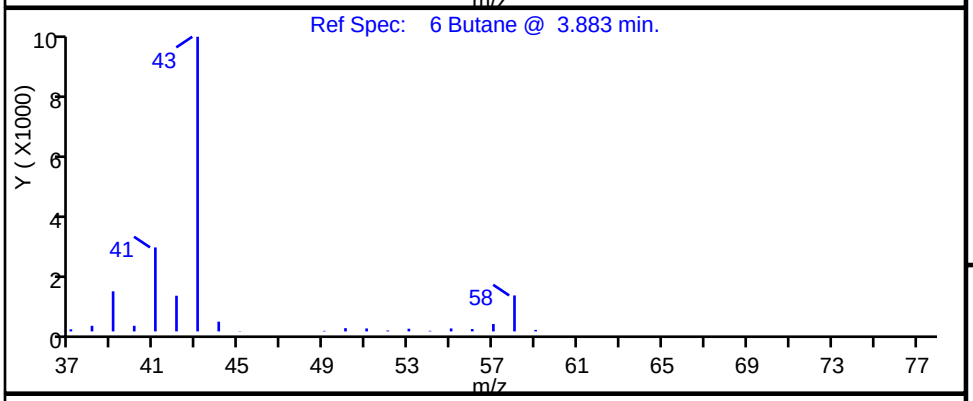
6 Butane, CAS: 106-97-8

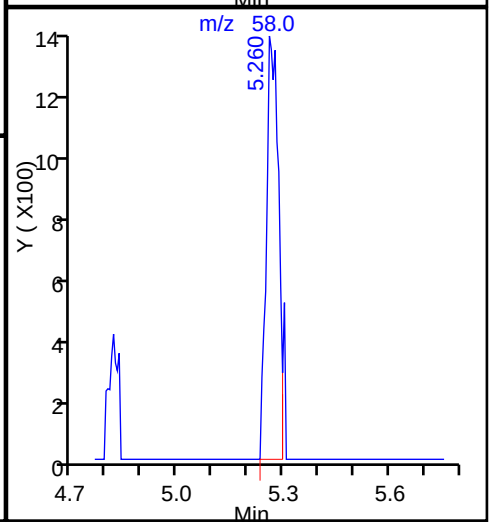


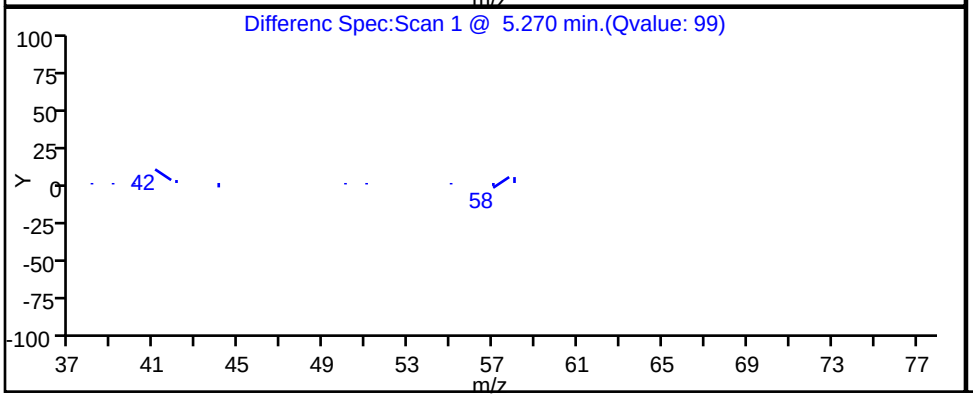








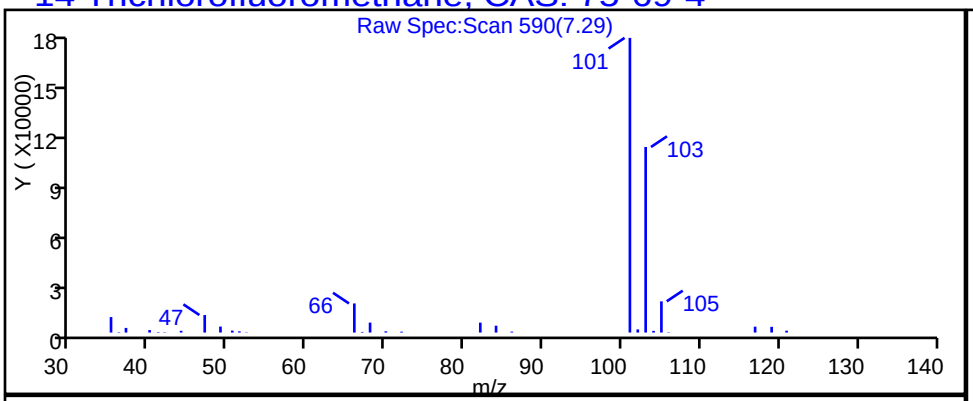


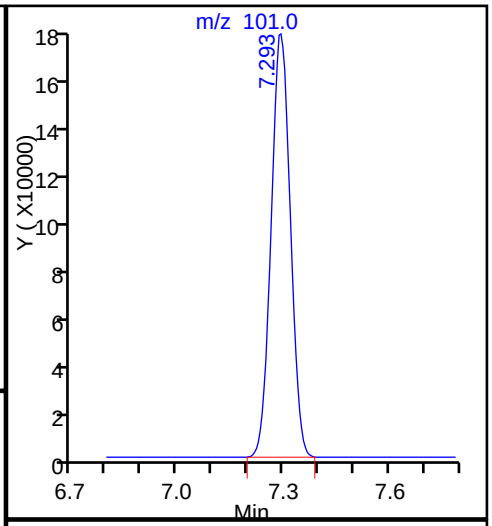


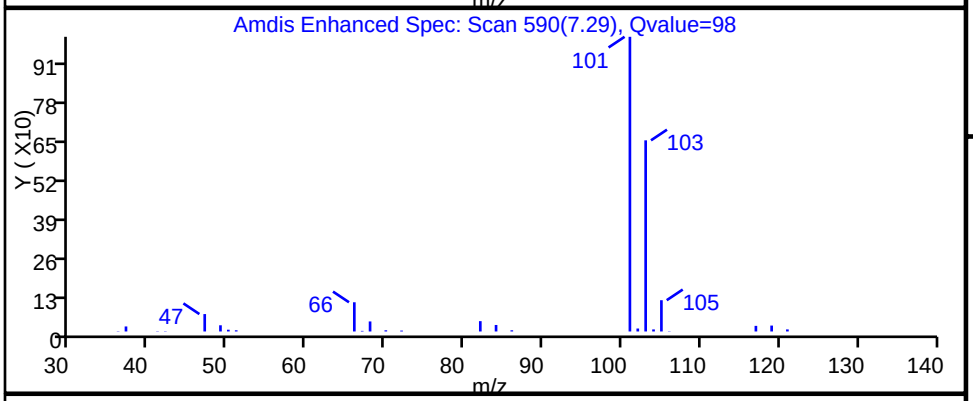
TestAmerica Burlington

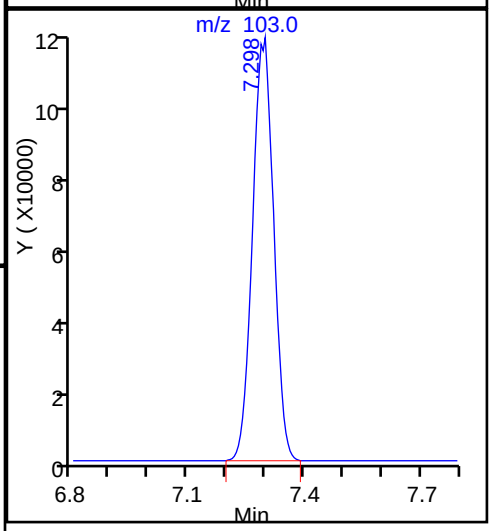
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

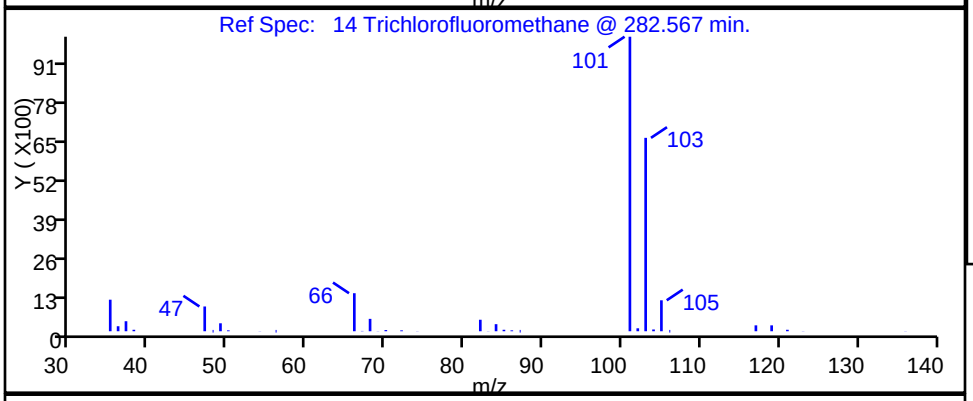
14 Trichlorofluoromethane, CAS: 75-69-4

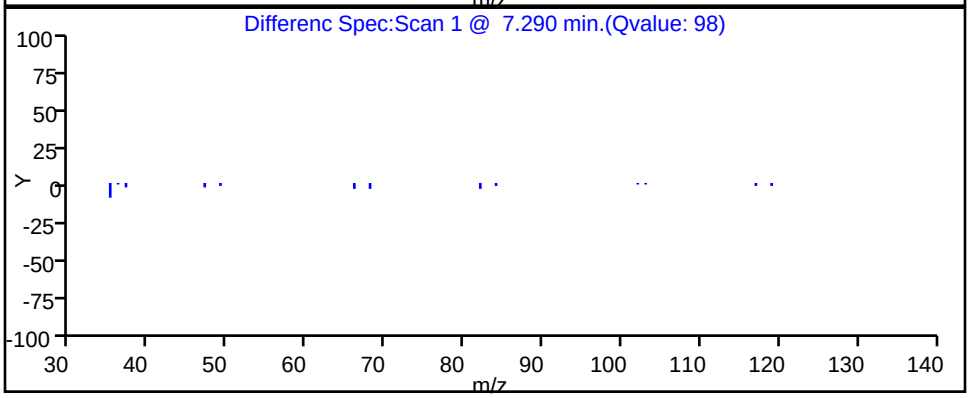






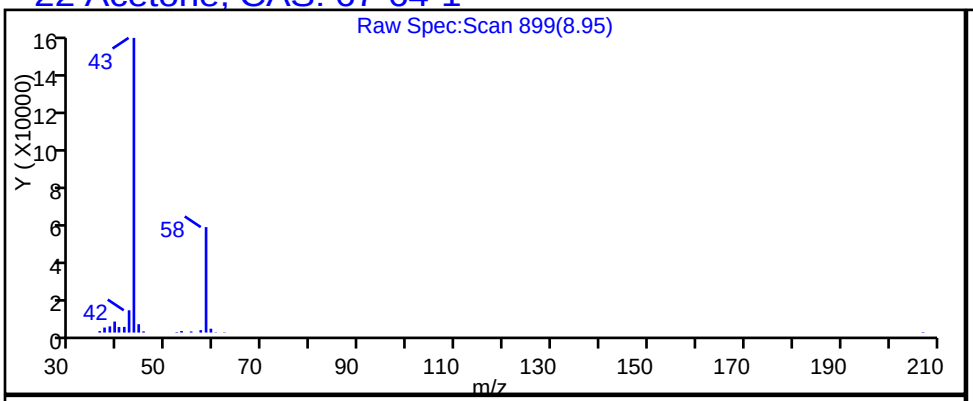


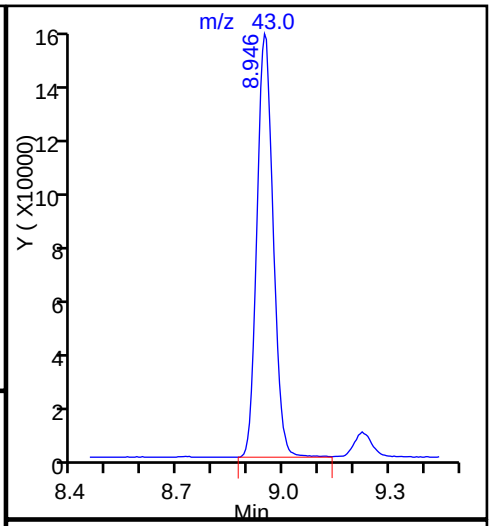


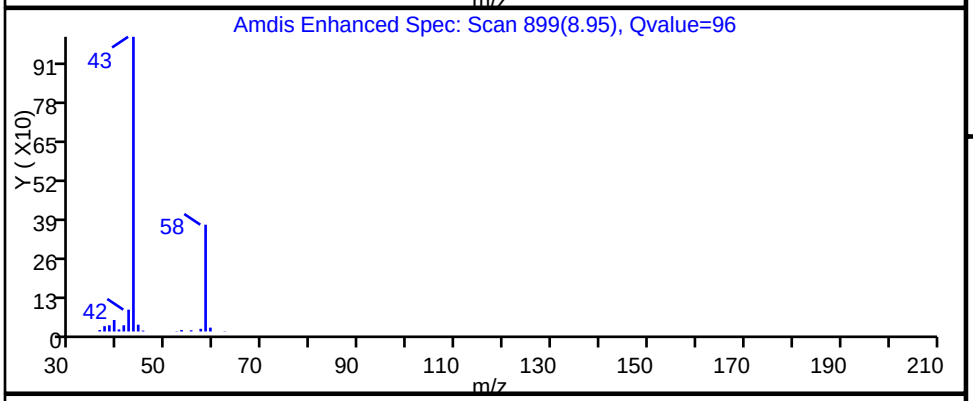


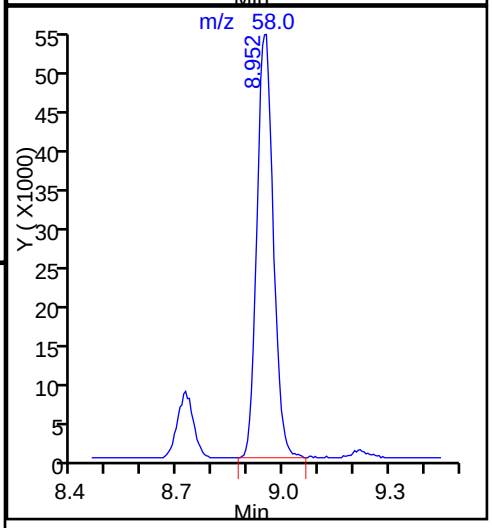
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

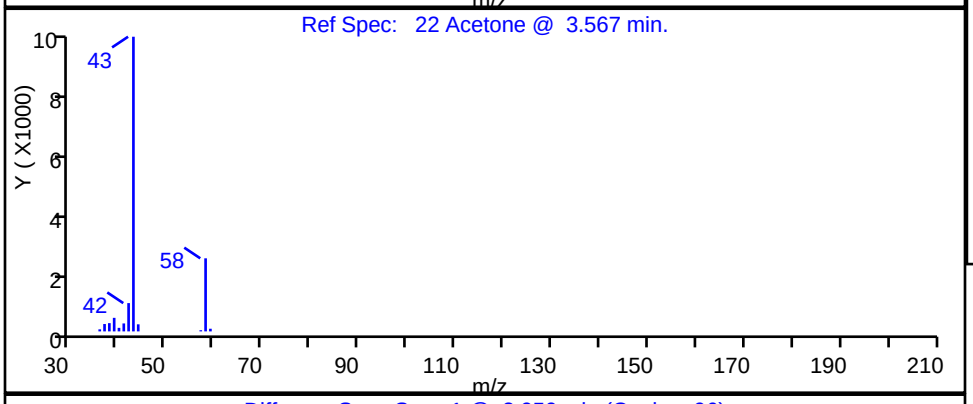
22 Acetone, CAS: 67-64-1

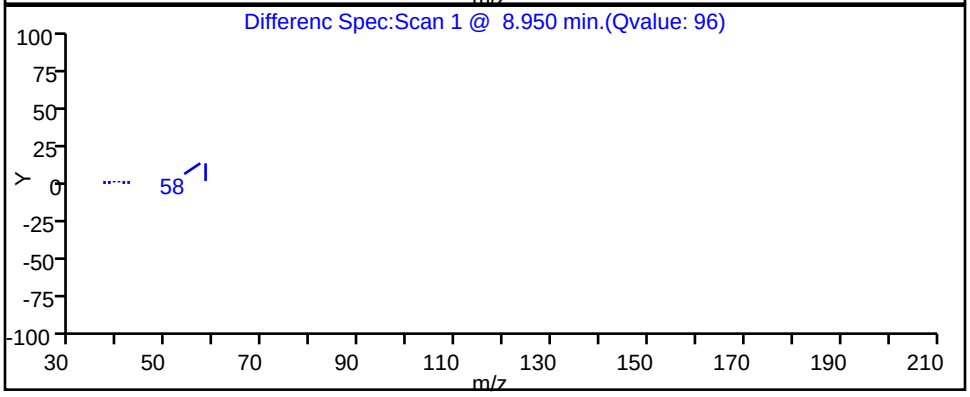






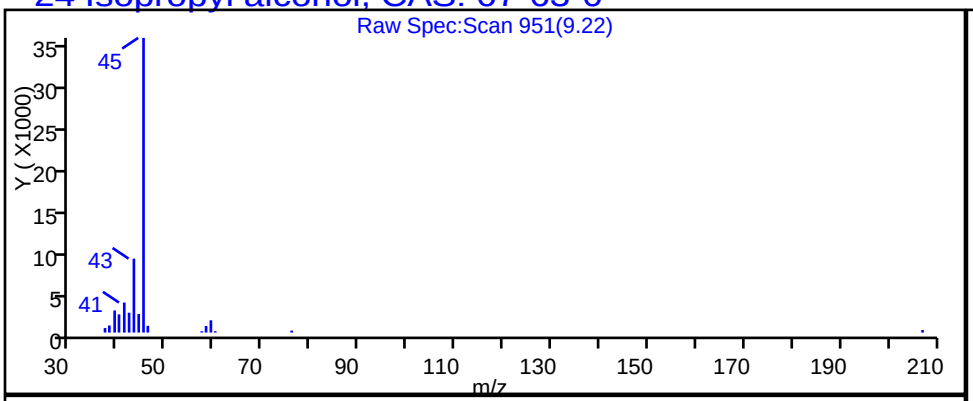


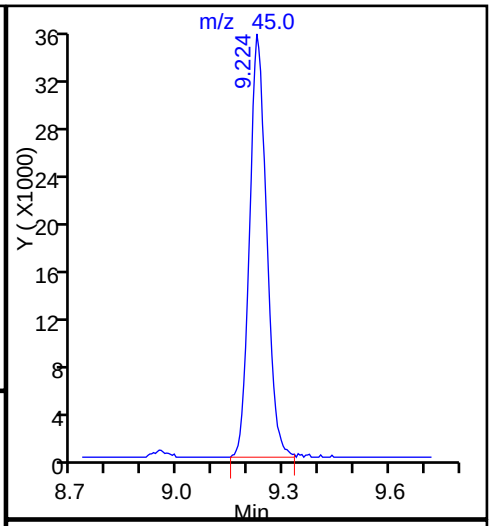


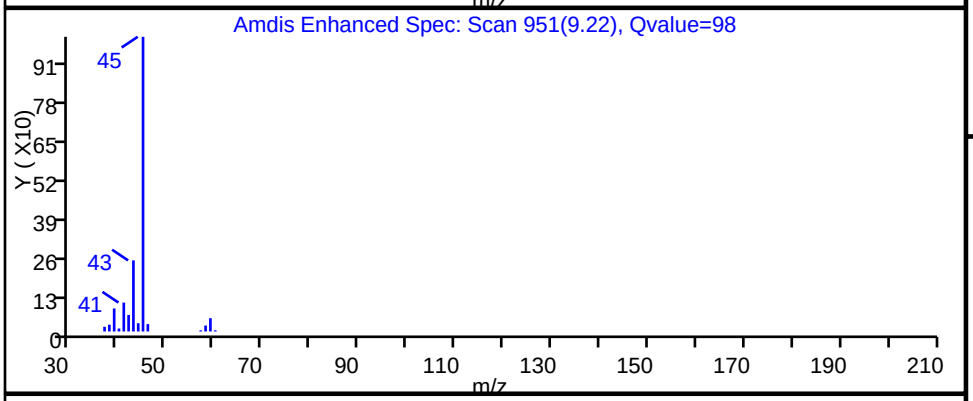


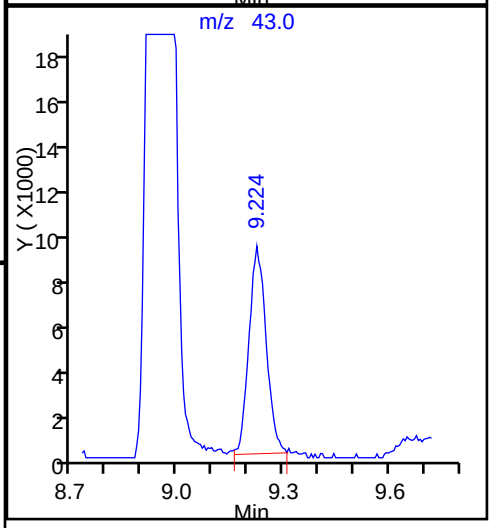
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

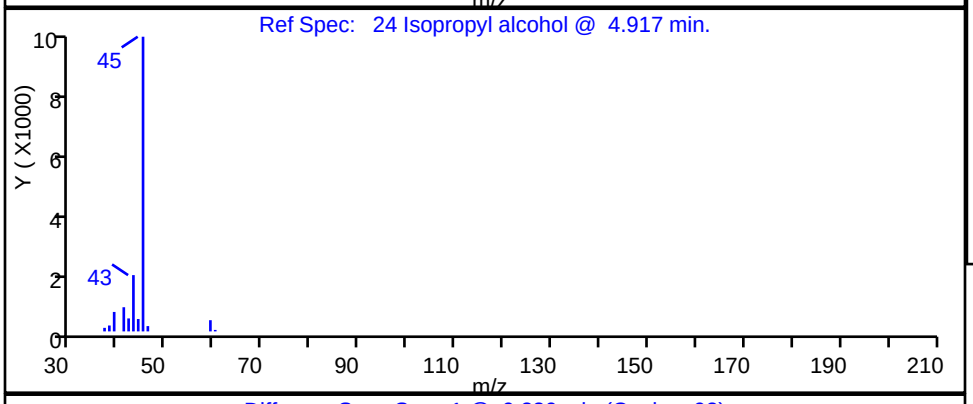
24 Isopropyl alcohol, CAS: 67-63-0

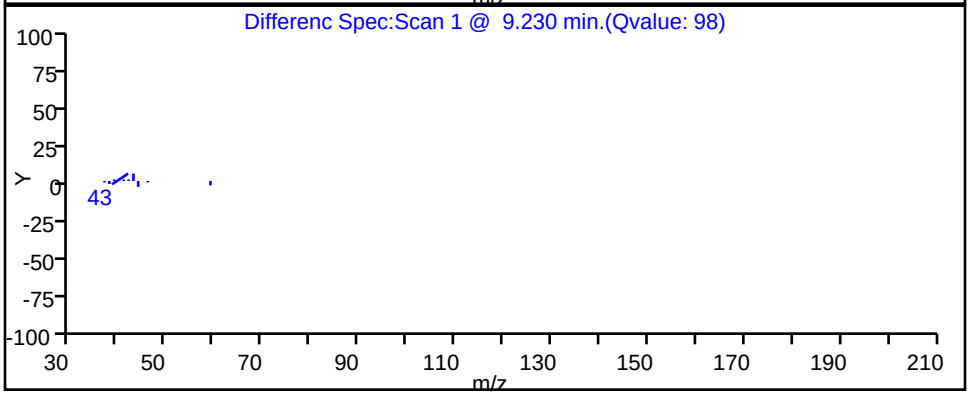








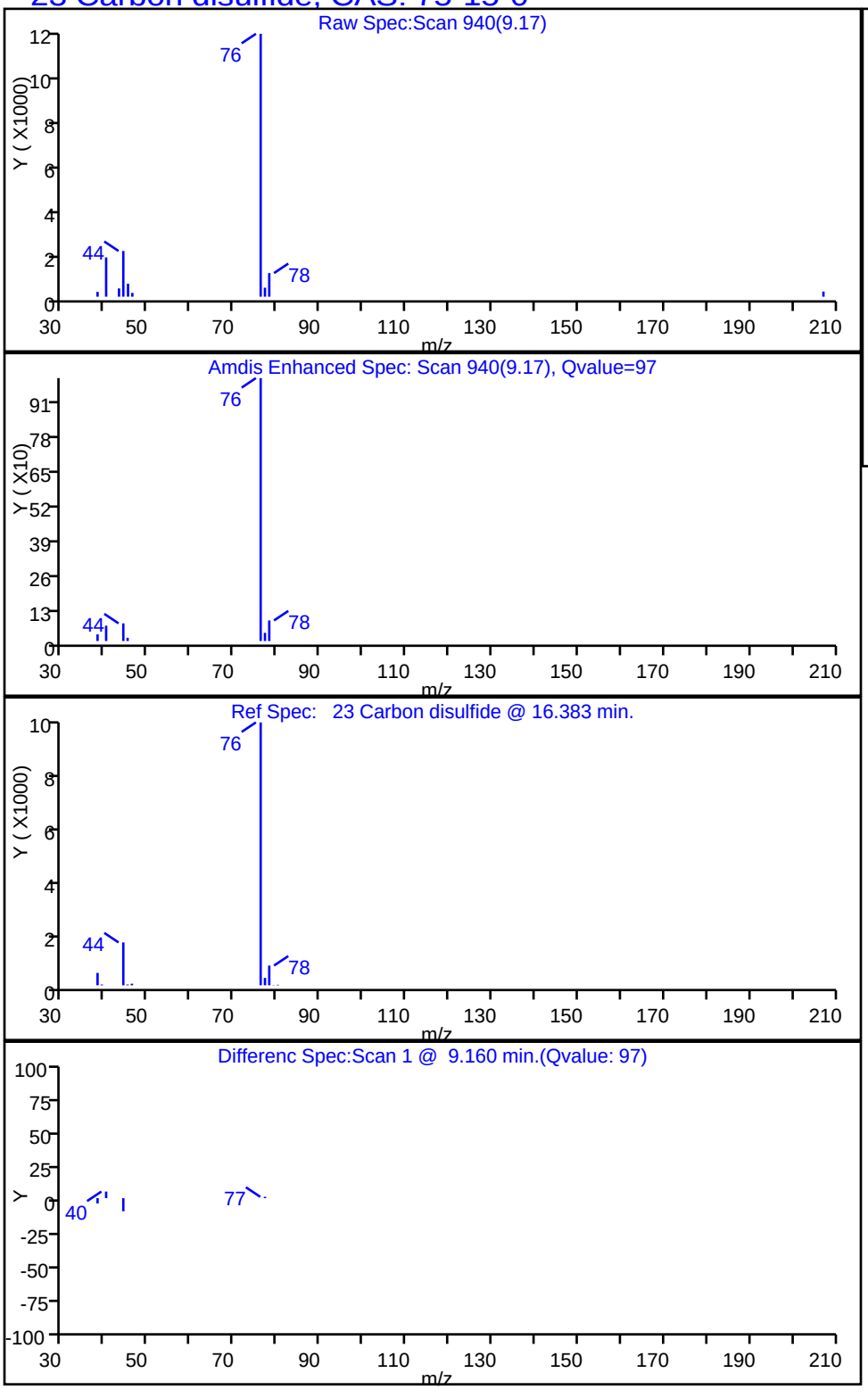


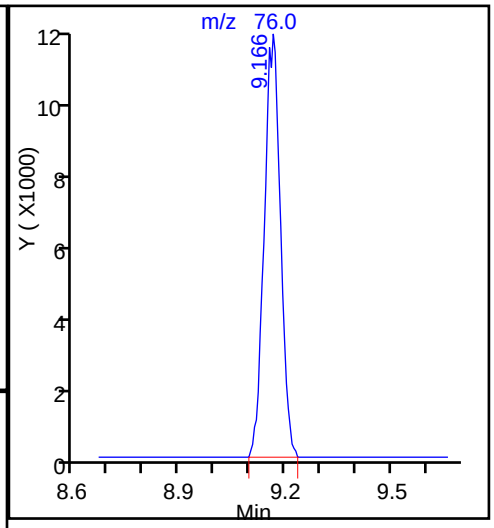


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

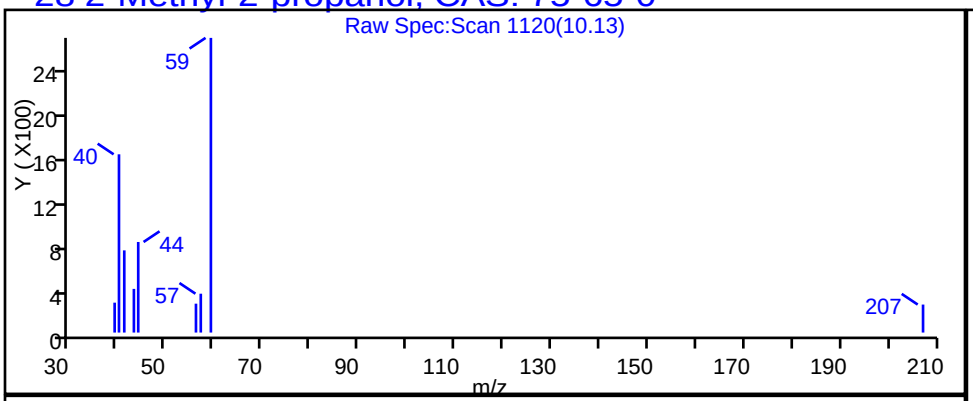
23 Carbon disulfide, CAS: 75-15-0

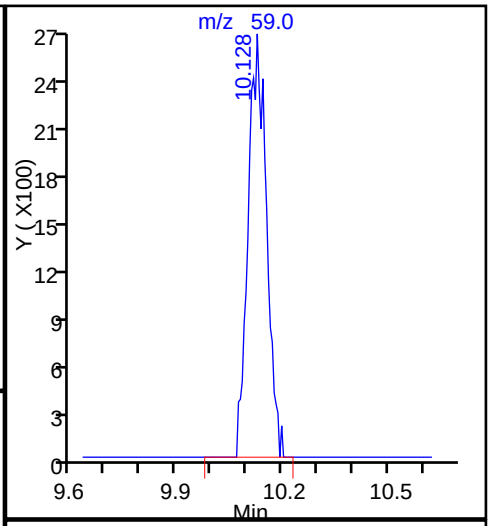


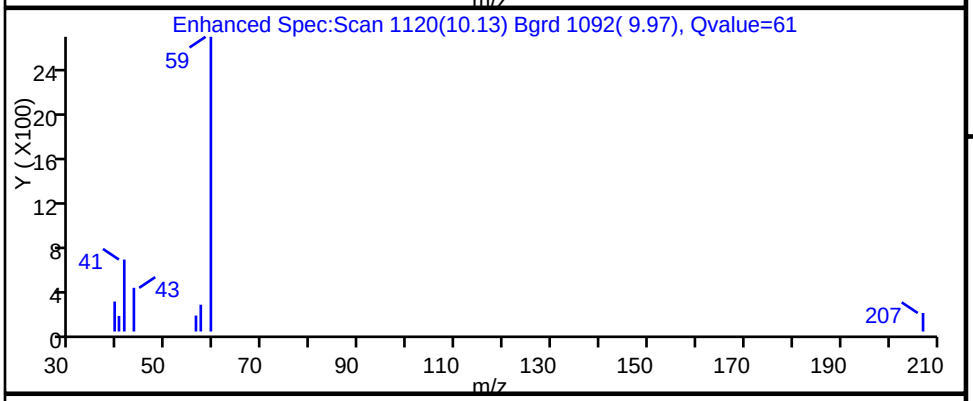


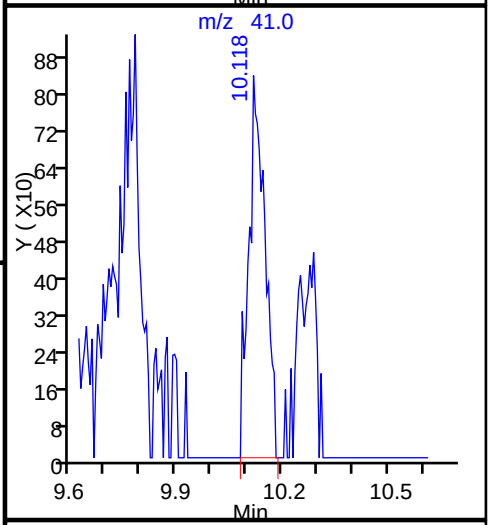
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

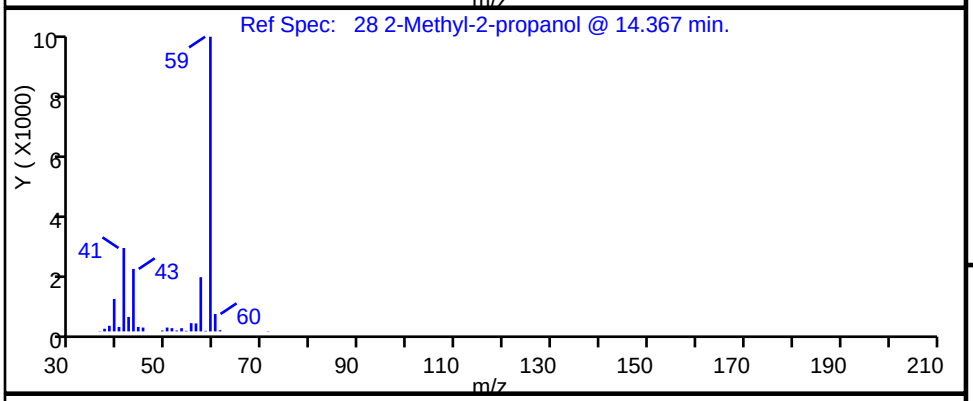
28 2-Methyl-2-propanol, CAS: 75-65-0

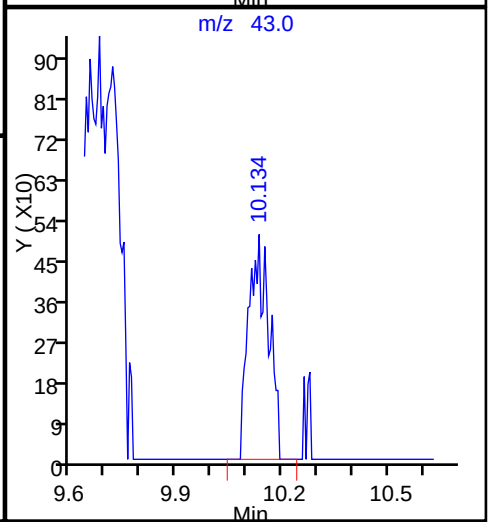


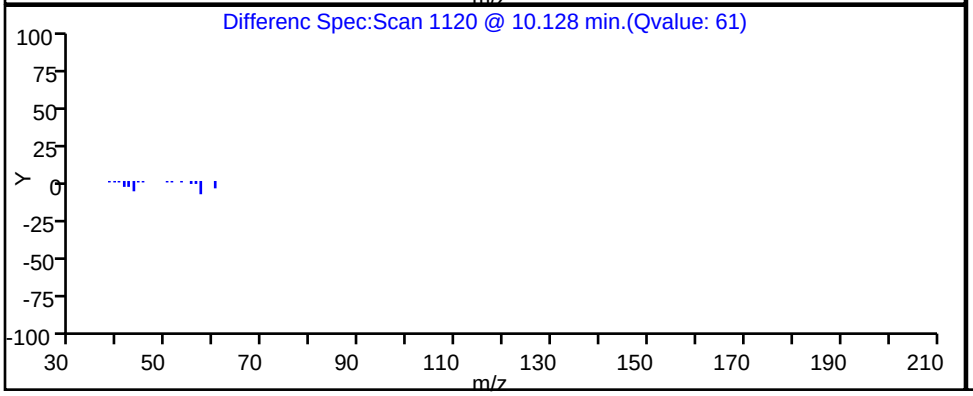






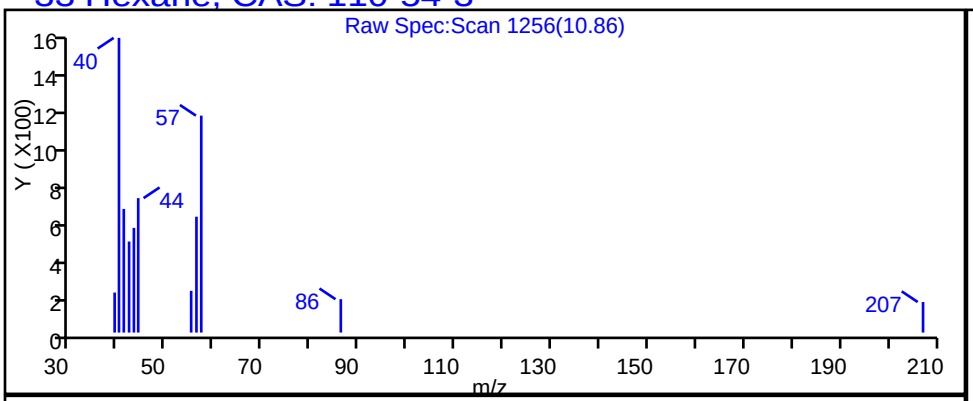


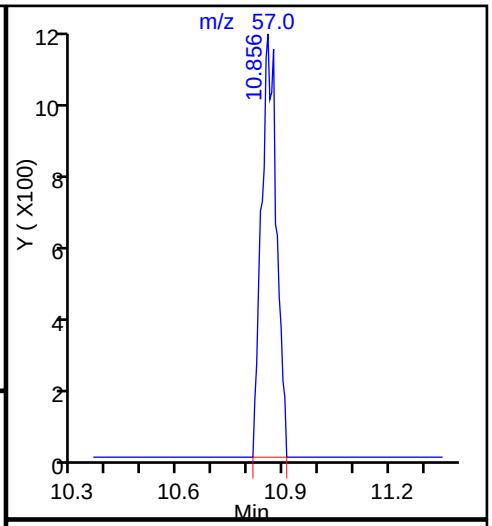


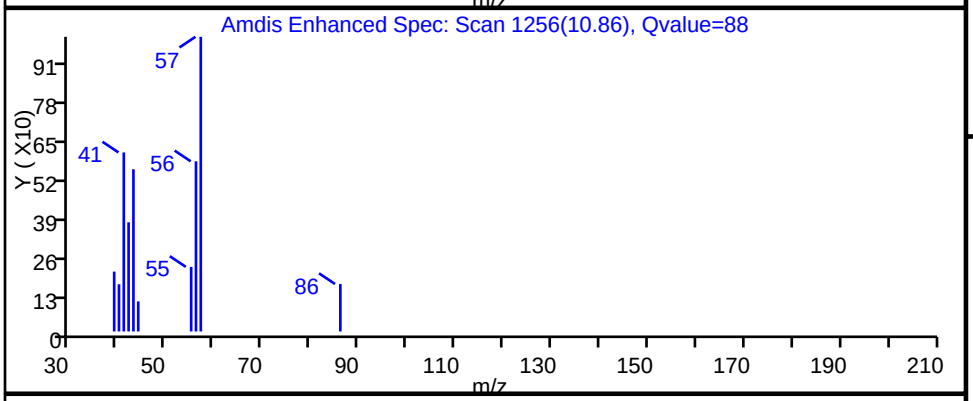


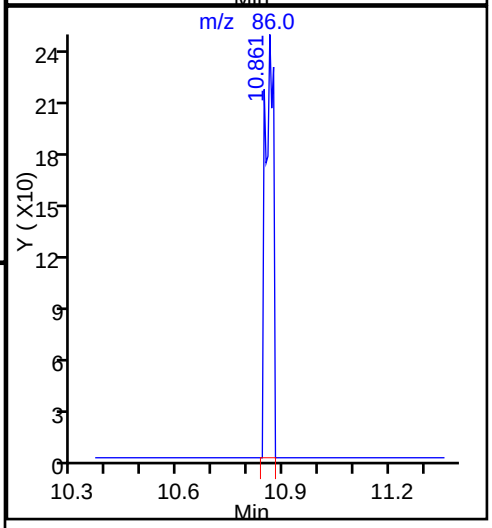
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

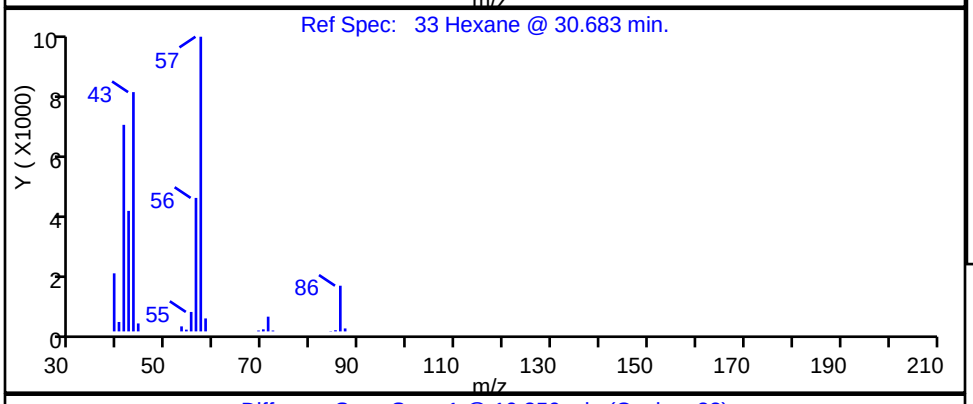
33 Hexane, CAS: 110-54-3

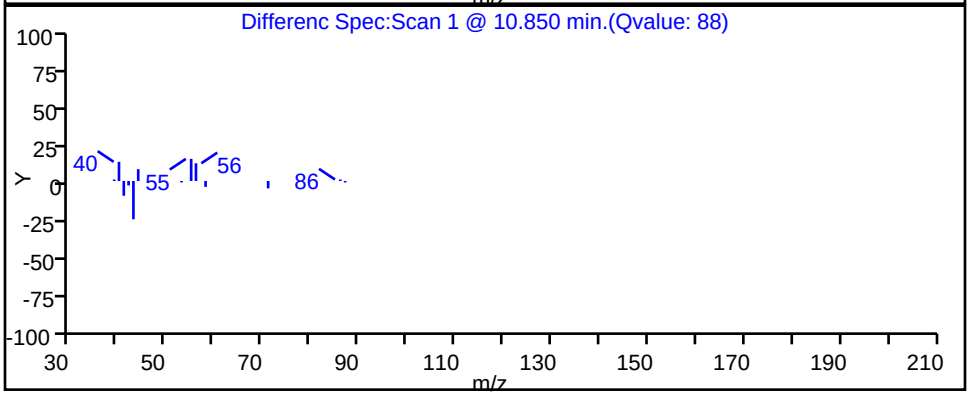






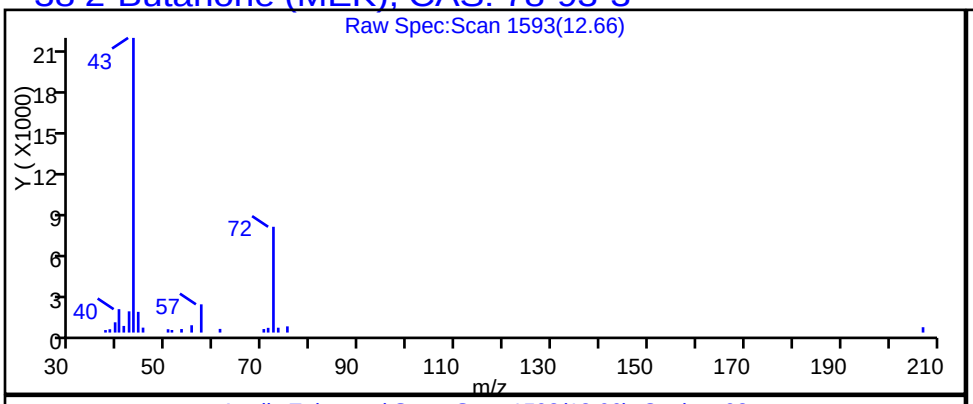


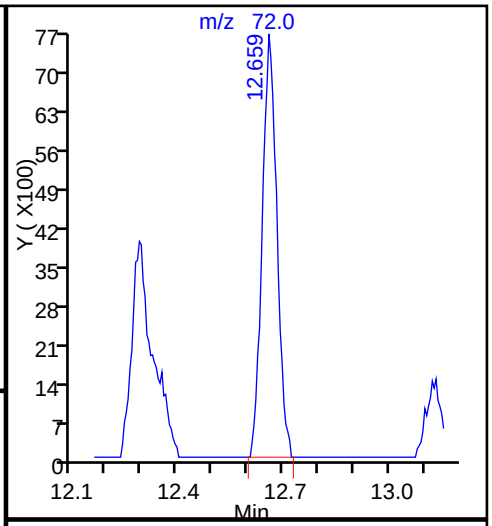


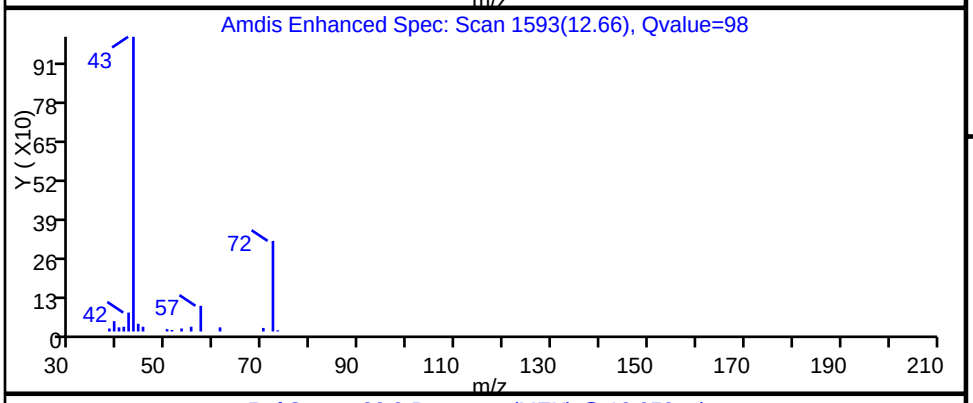


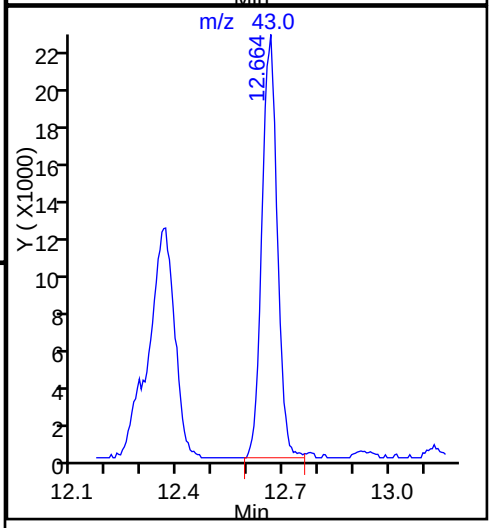
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

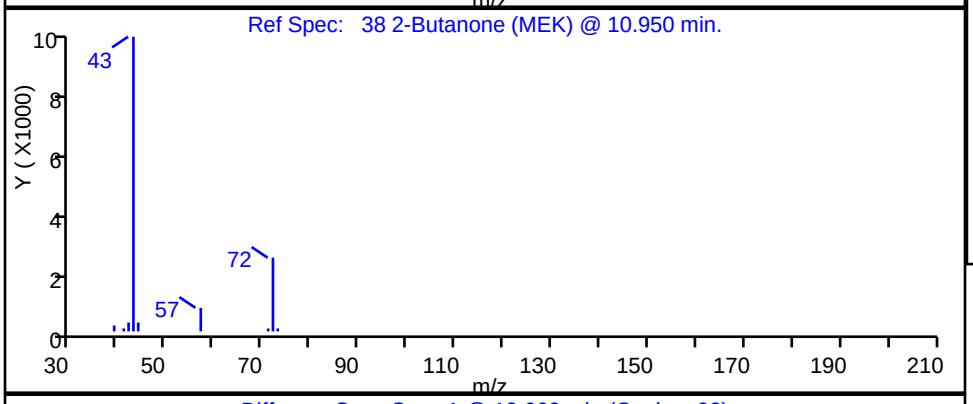
38 2-Butanone (MEK), CAS: 78-93-3

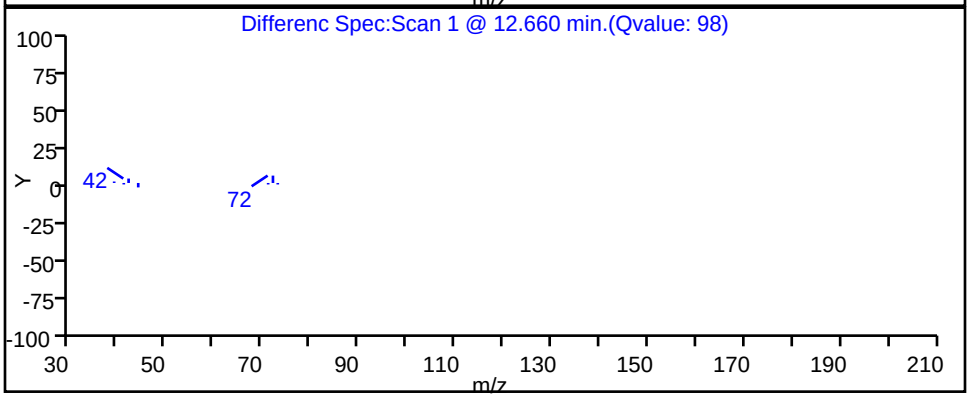








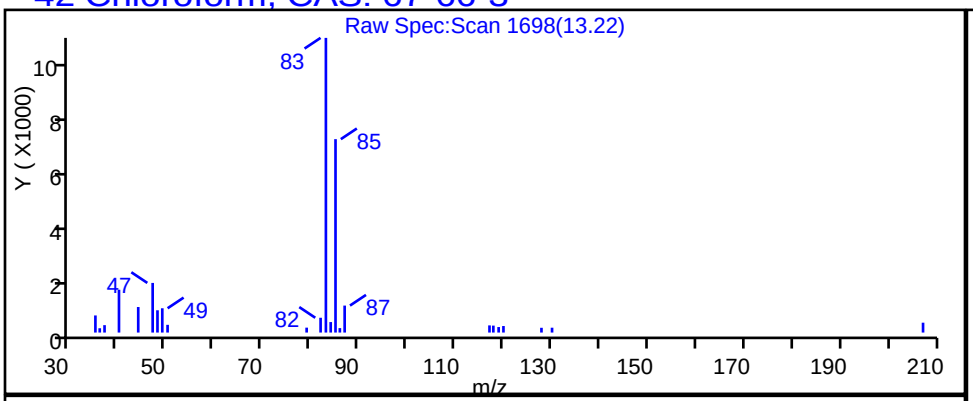


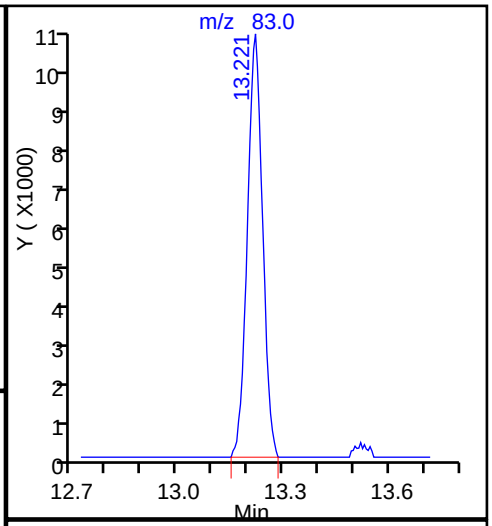


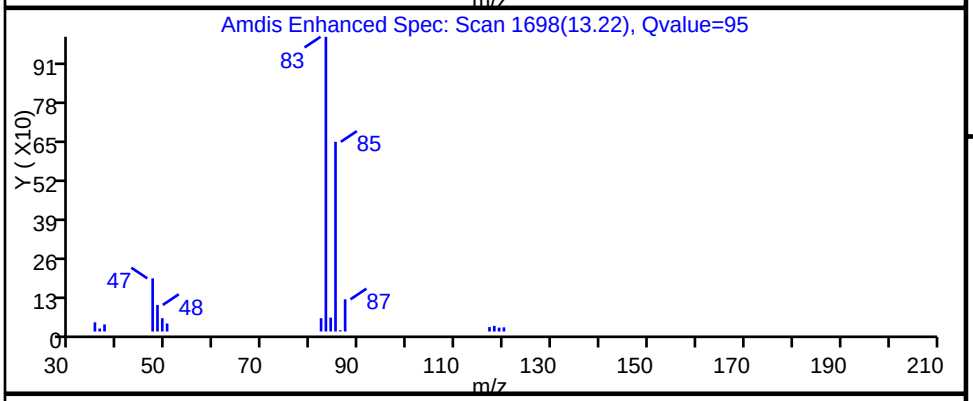
TestAmerica Burlington

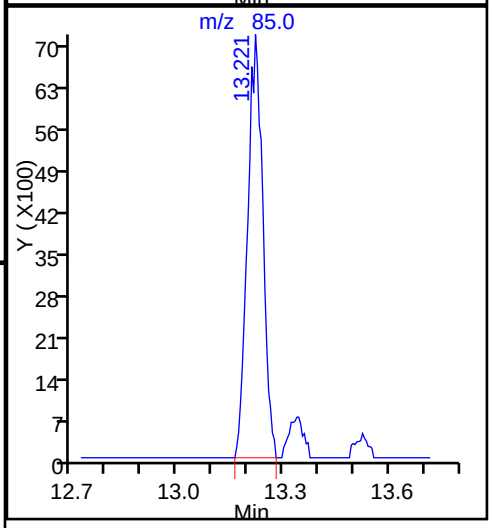
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

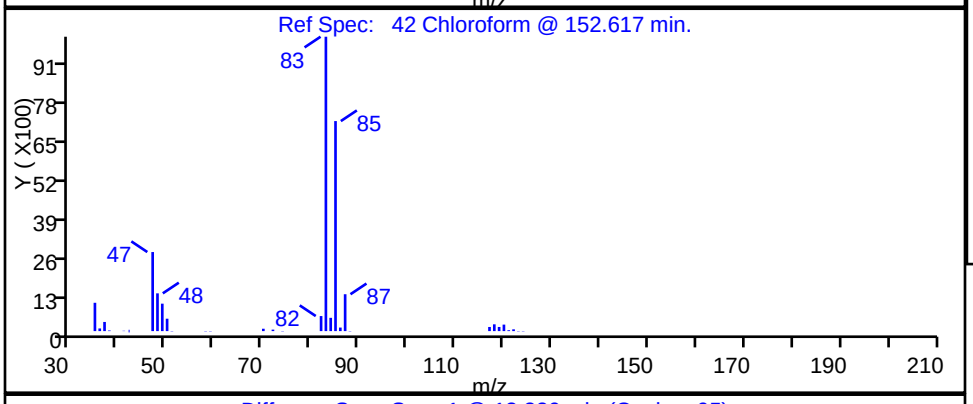
42 Chloroform, CAS: 67-66-3

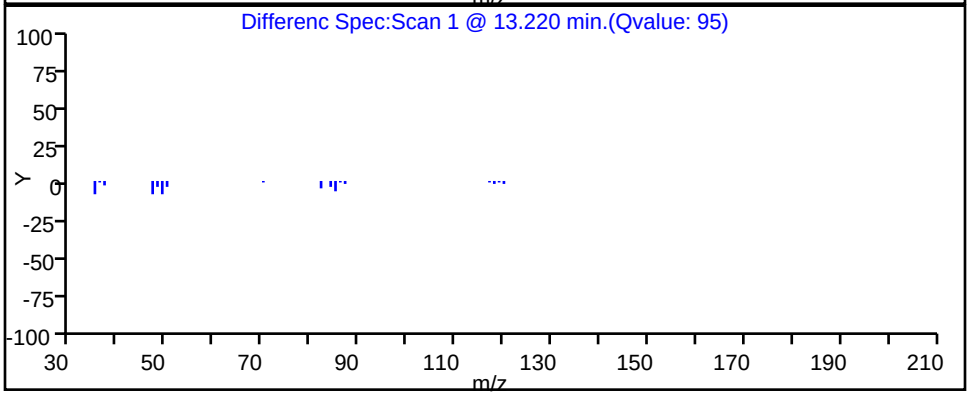






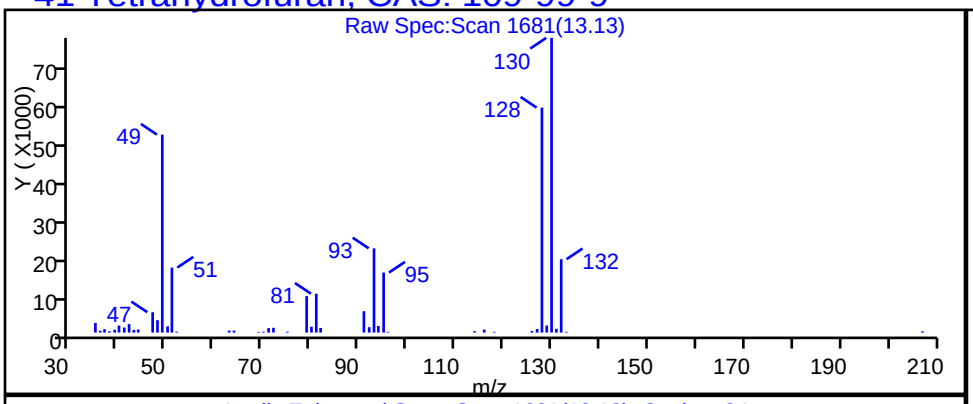


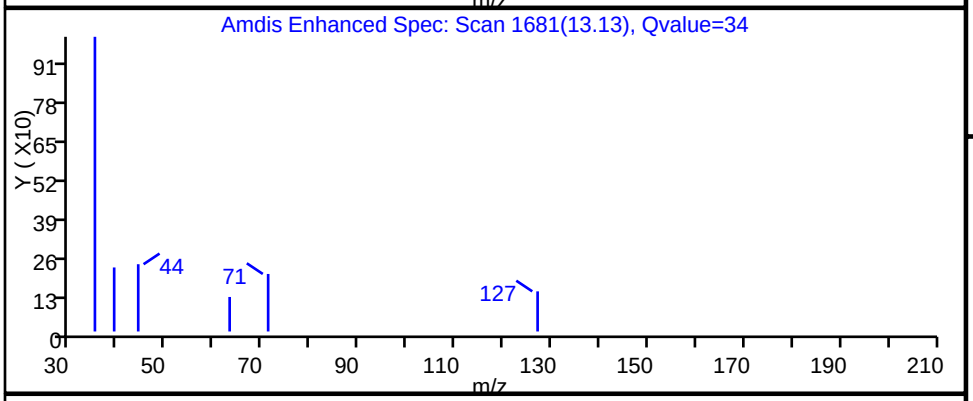


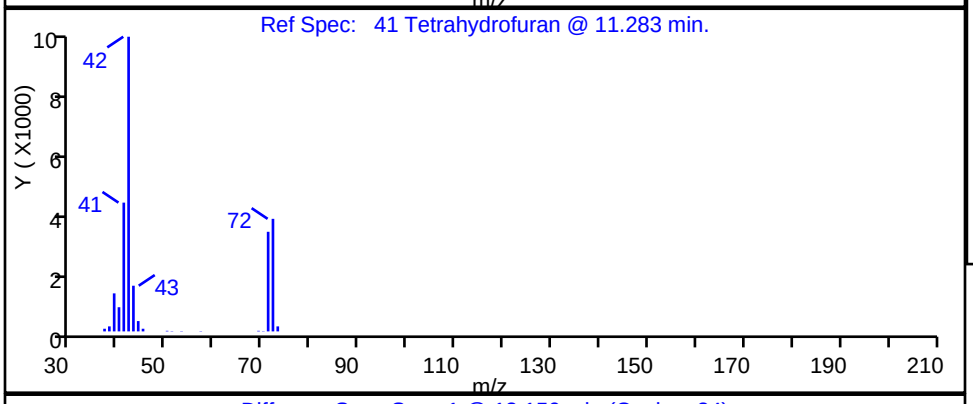


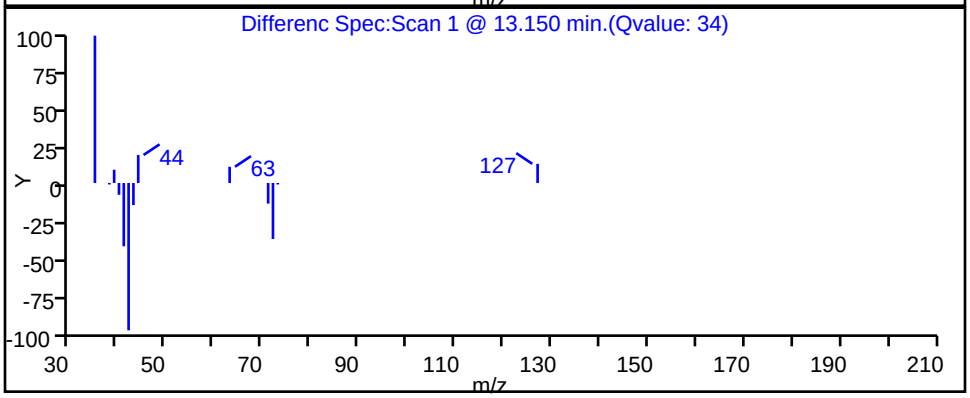
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

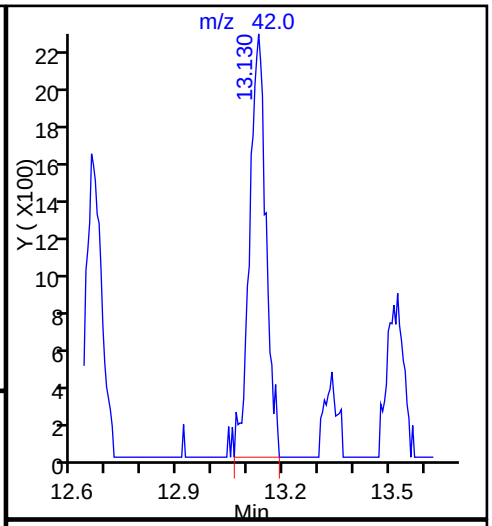
41 Tetrahydrofuran, CAS: 109-99-9

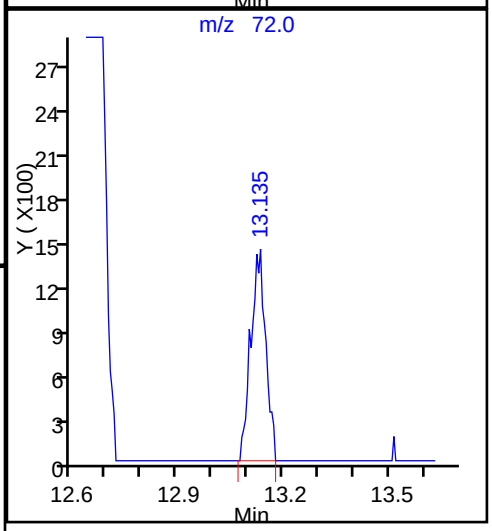








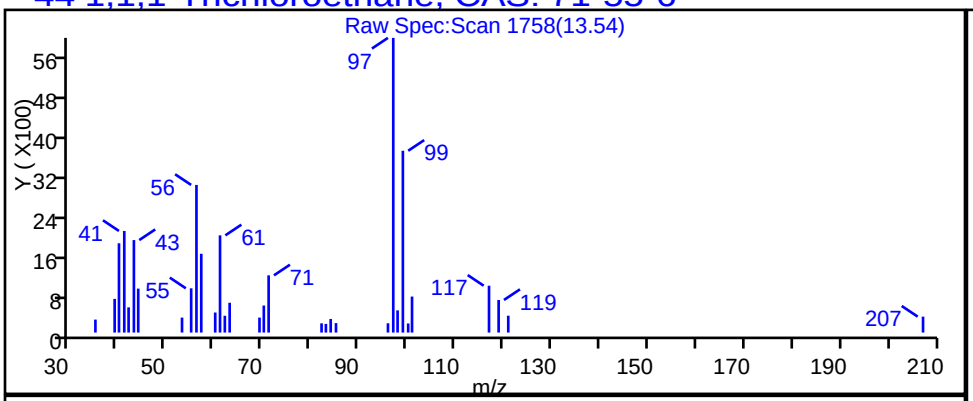


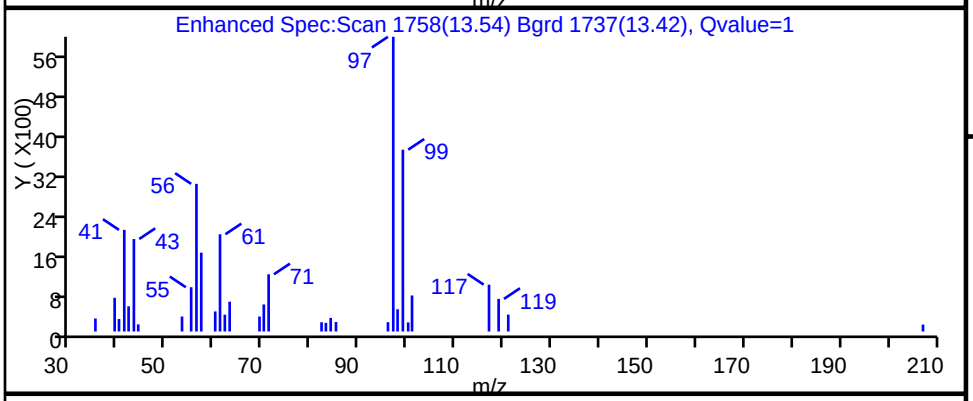


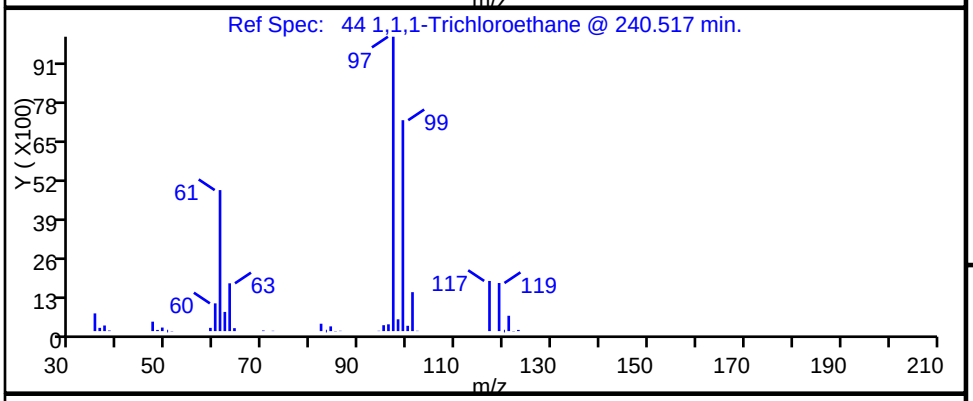
TestAmerica Burlington

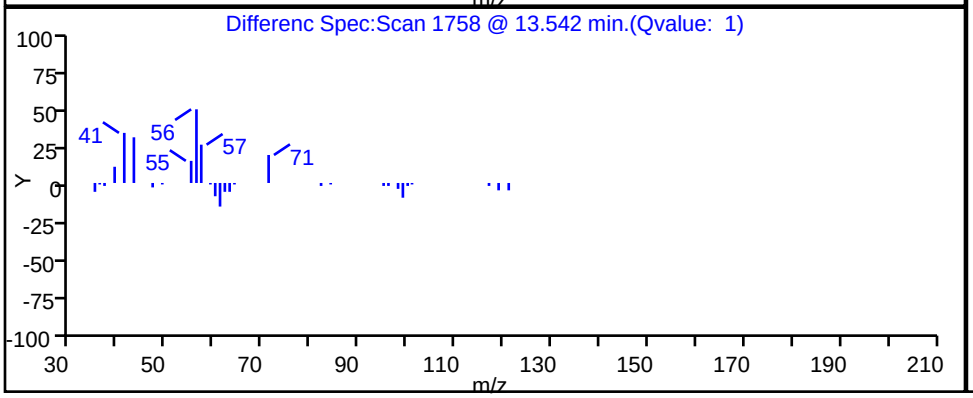
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

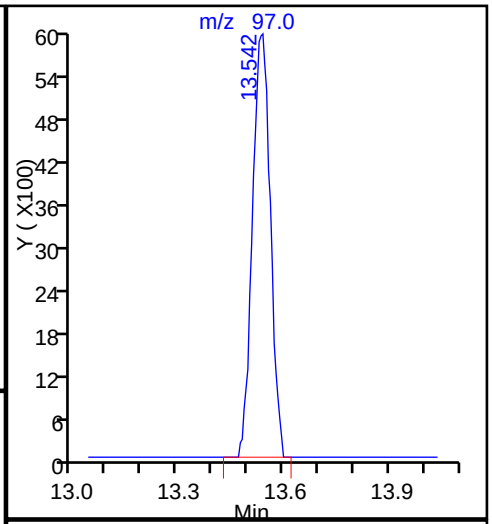
44 1,1,1-Trichloroethane, CAS: 71-55-6

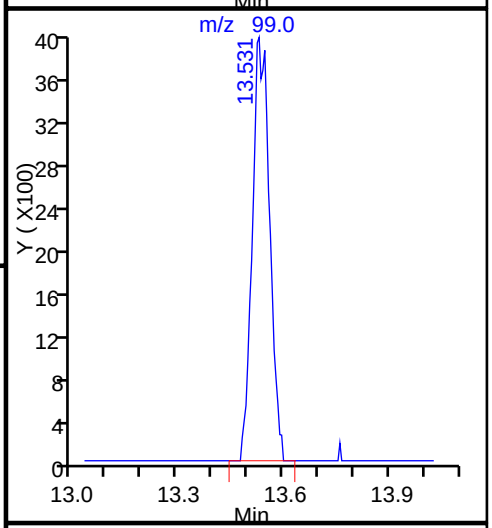


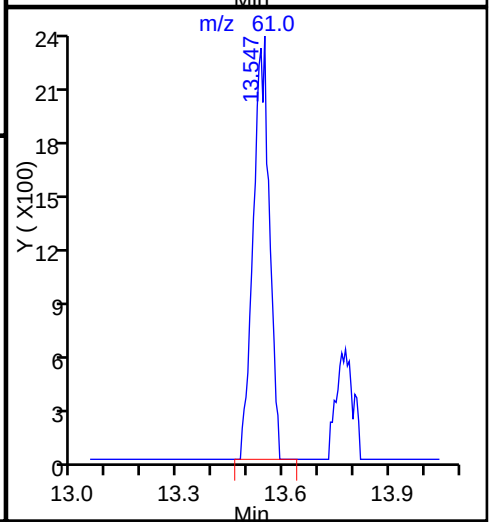








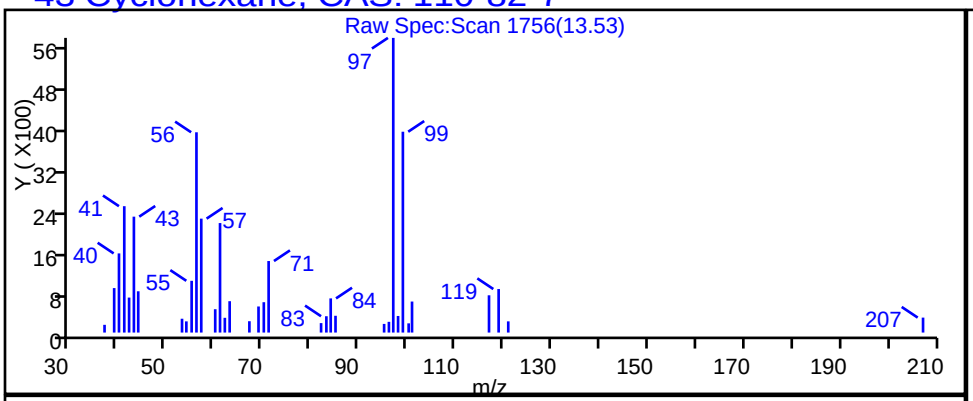


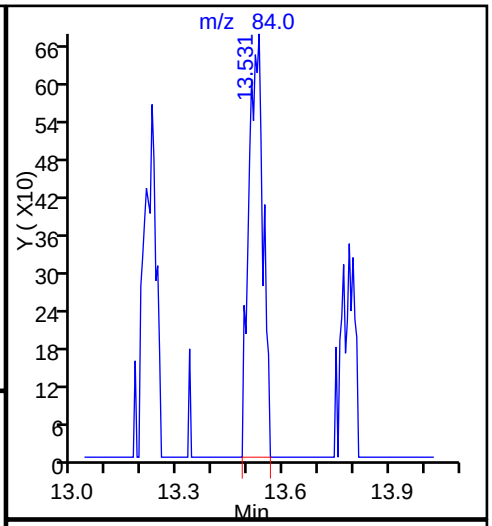


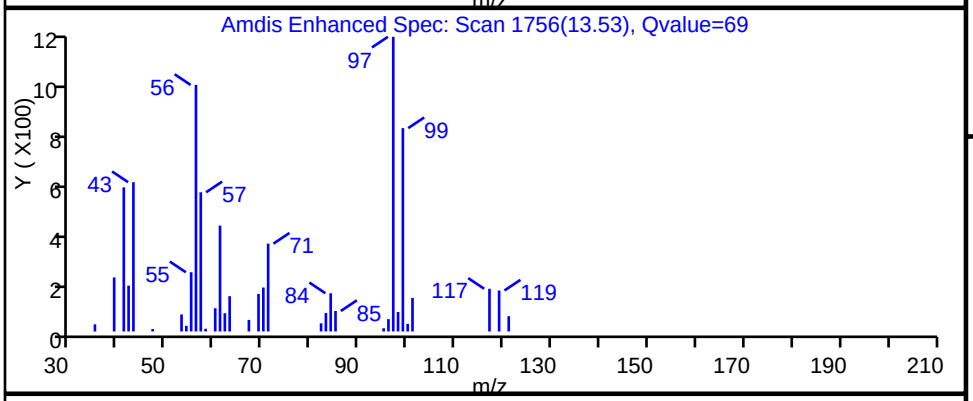
TestAmerica Burlington

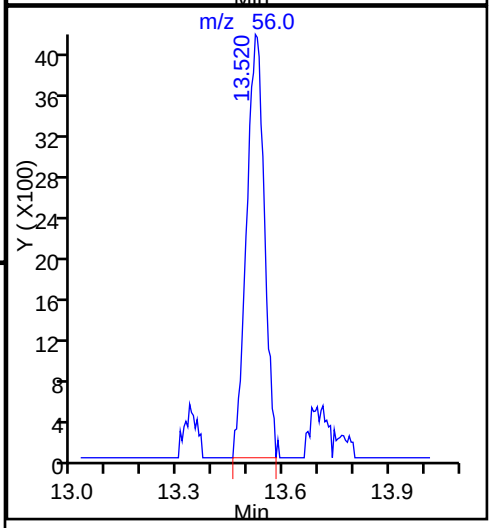
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

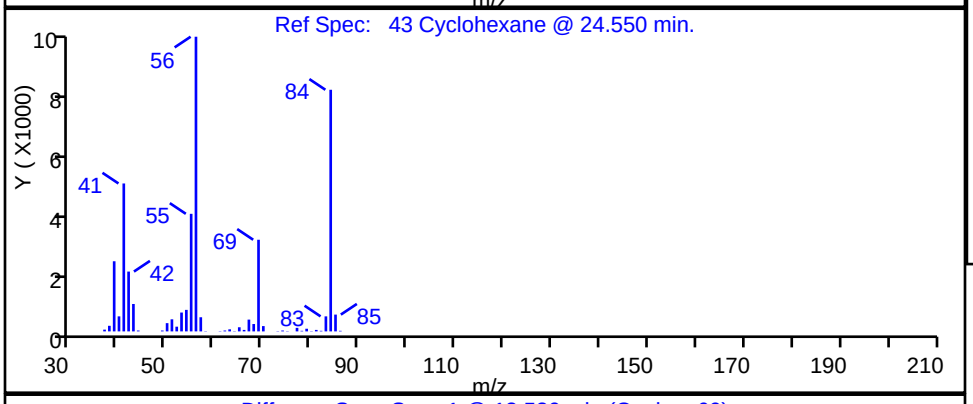
43 Cyclohexane, CAS: 110-82-7

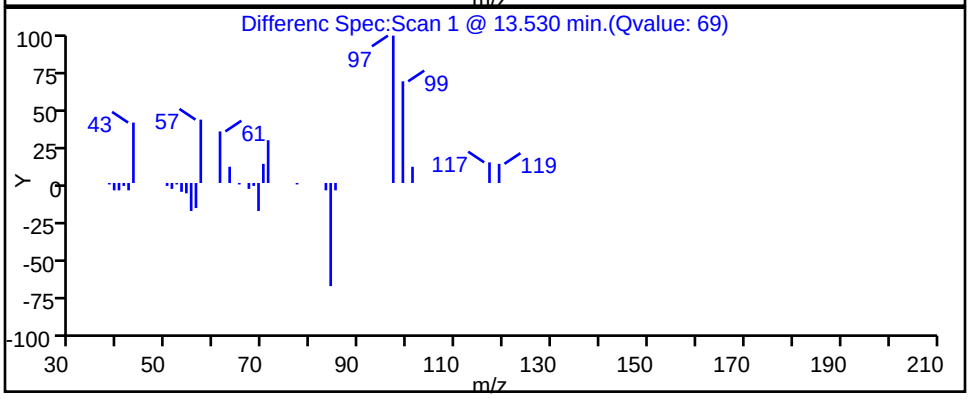








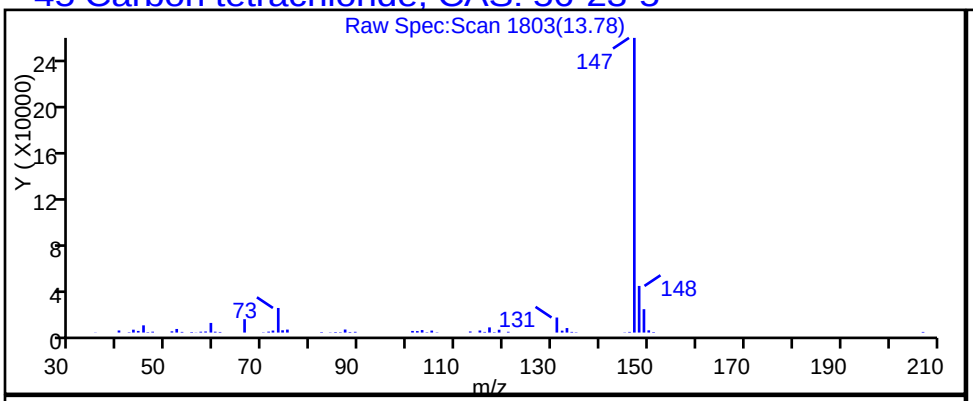


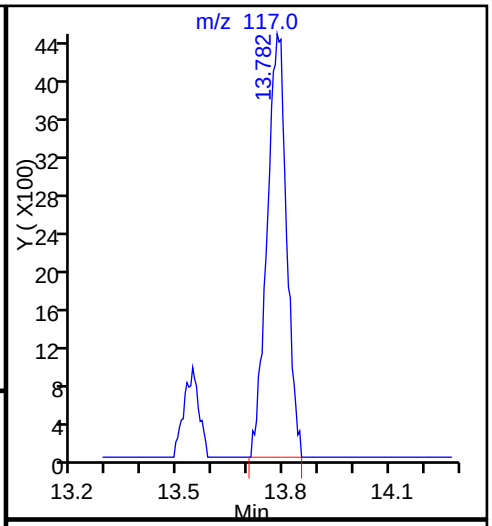


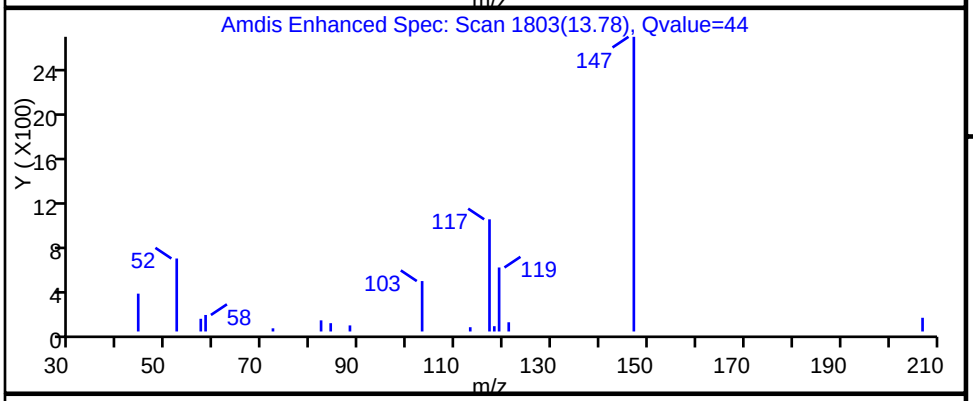
TestAmerica Burlington

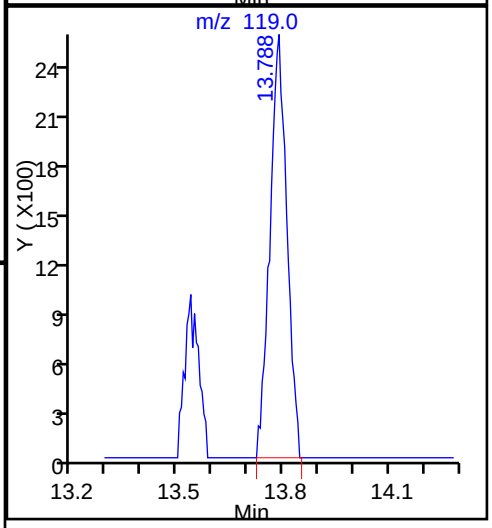
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

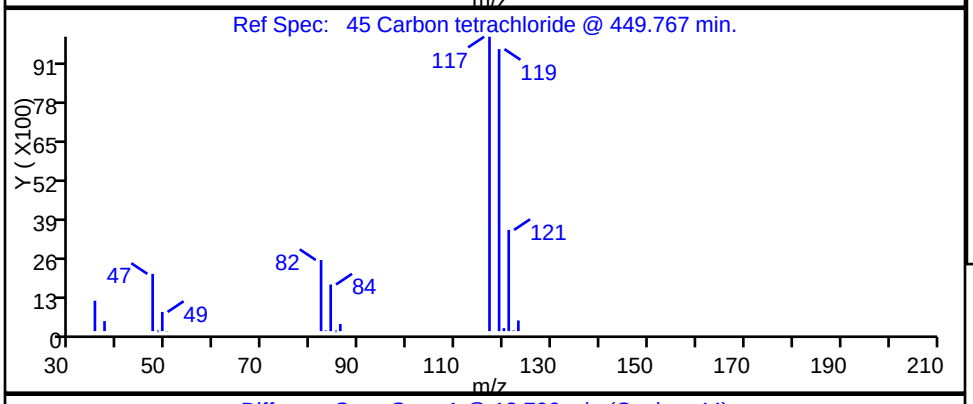
45 Carbon tetrachloride, CAS: 56-23-5

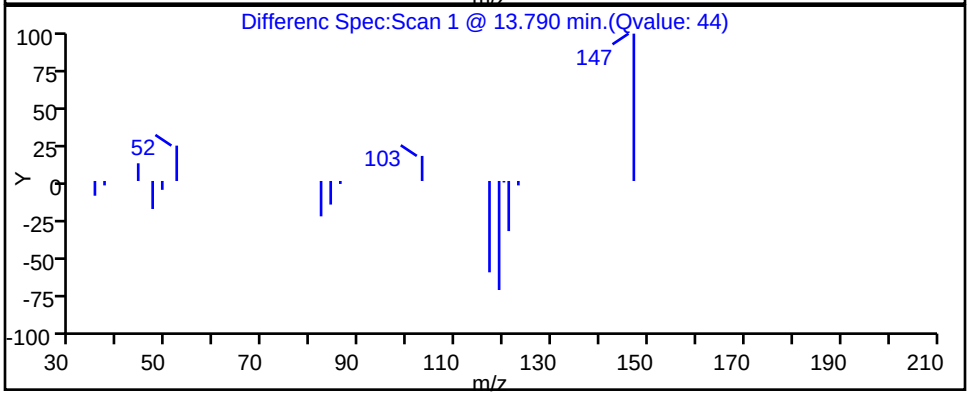








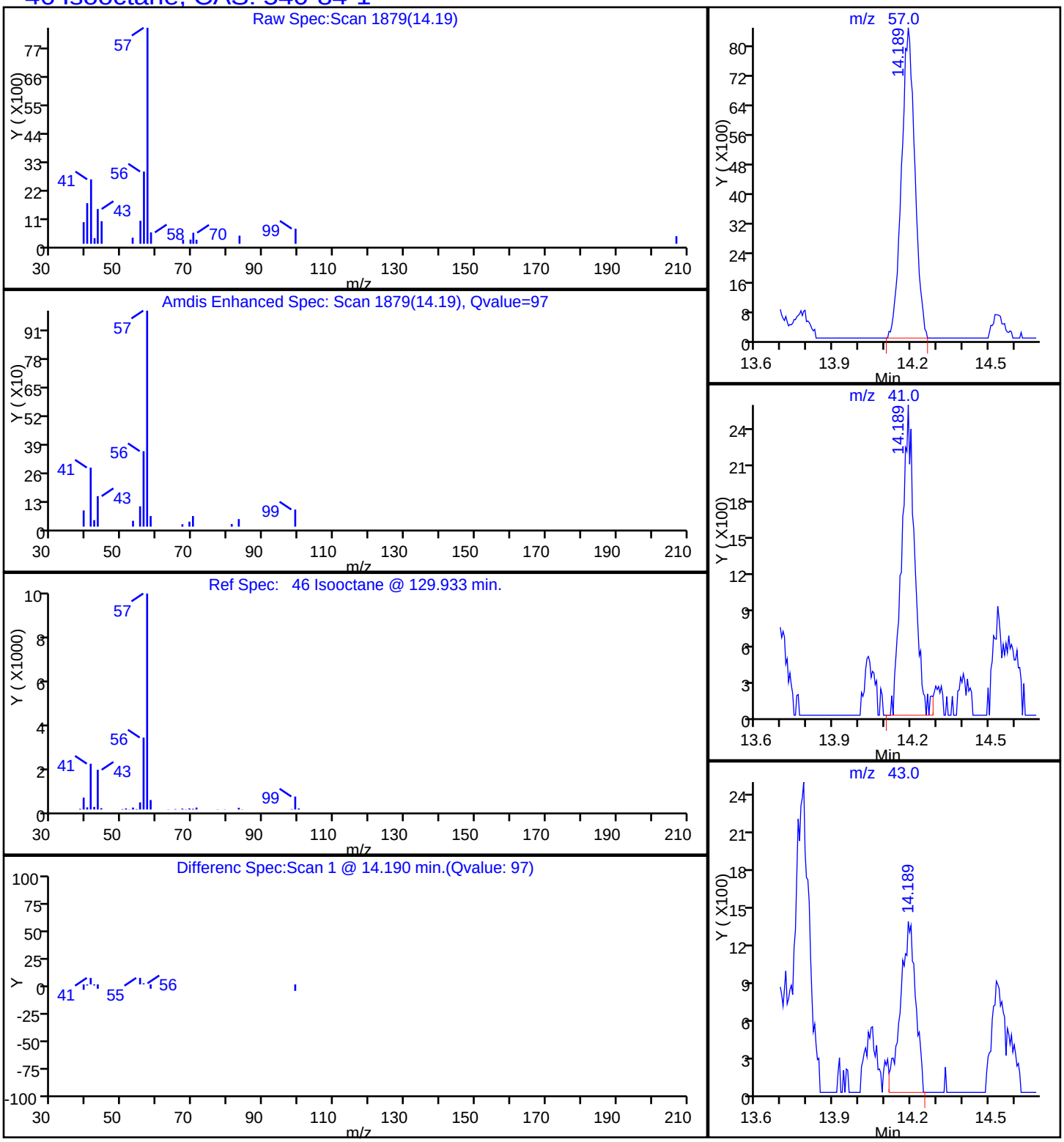




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

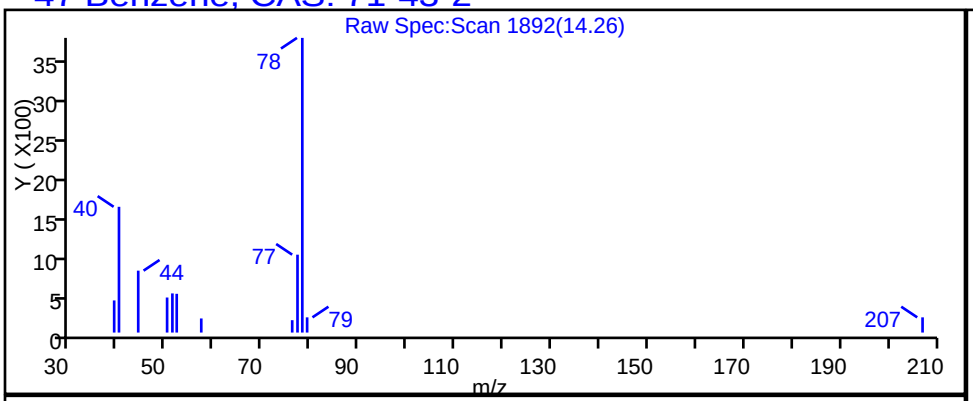
46 Isooctane, CAS: 540-84-1

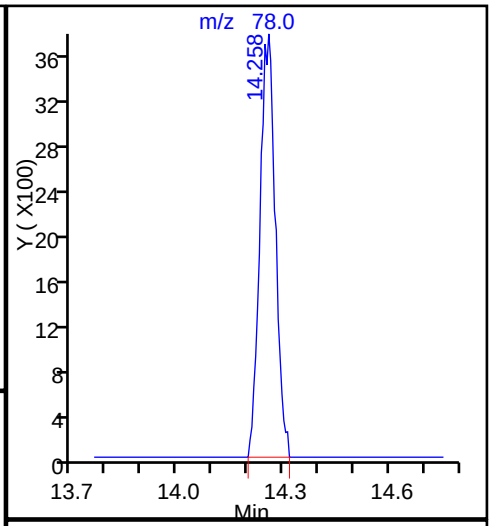


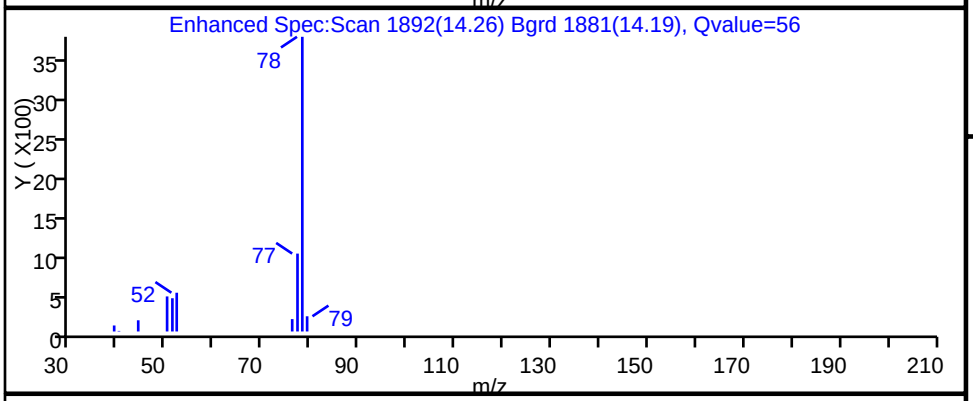
TestAmerica Burlington

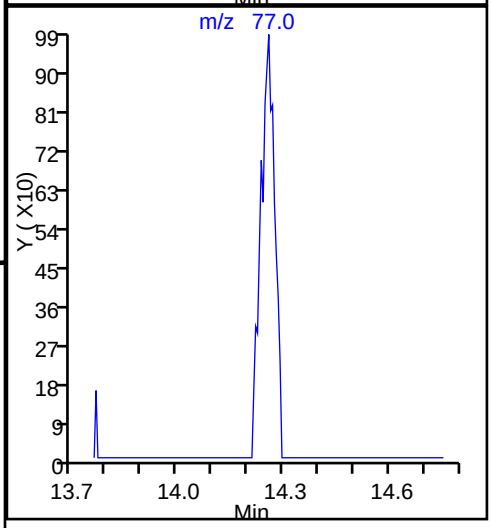
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

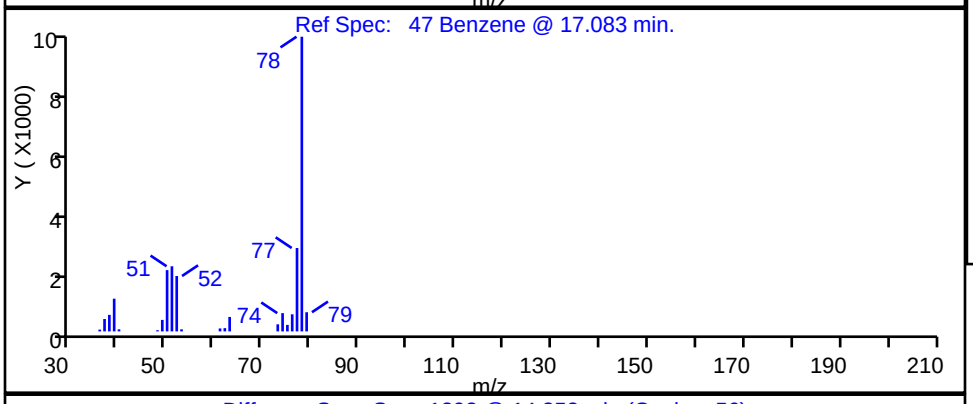
47 Benzene, CAS: 71-43-2

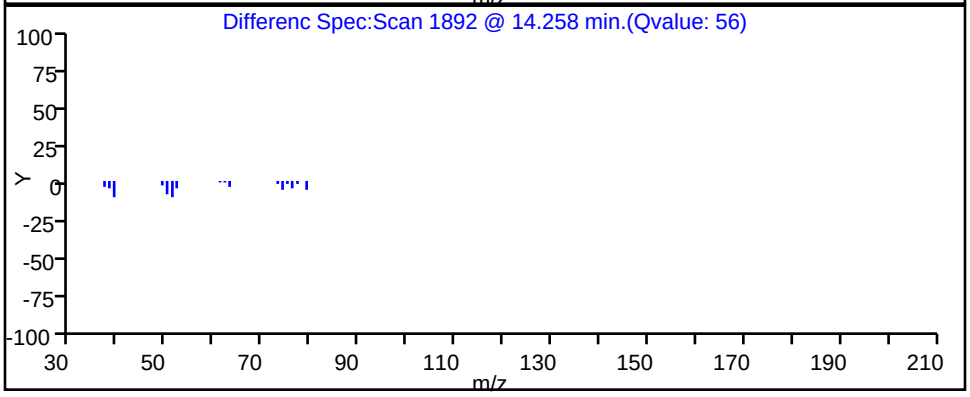






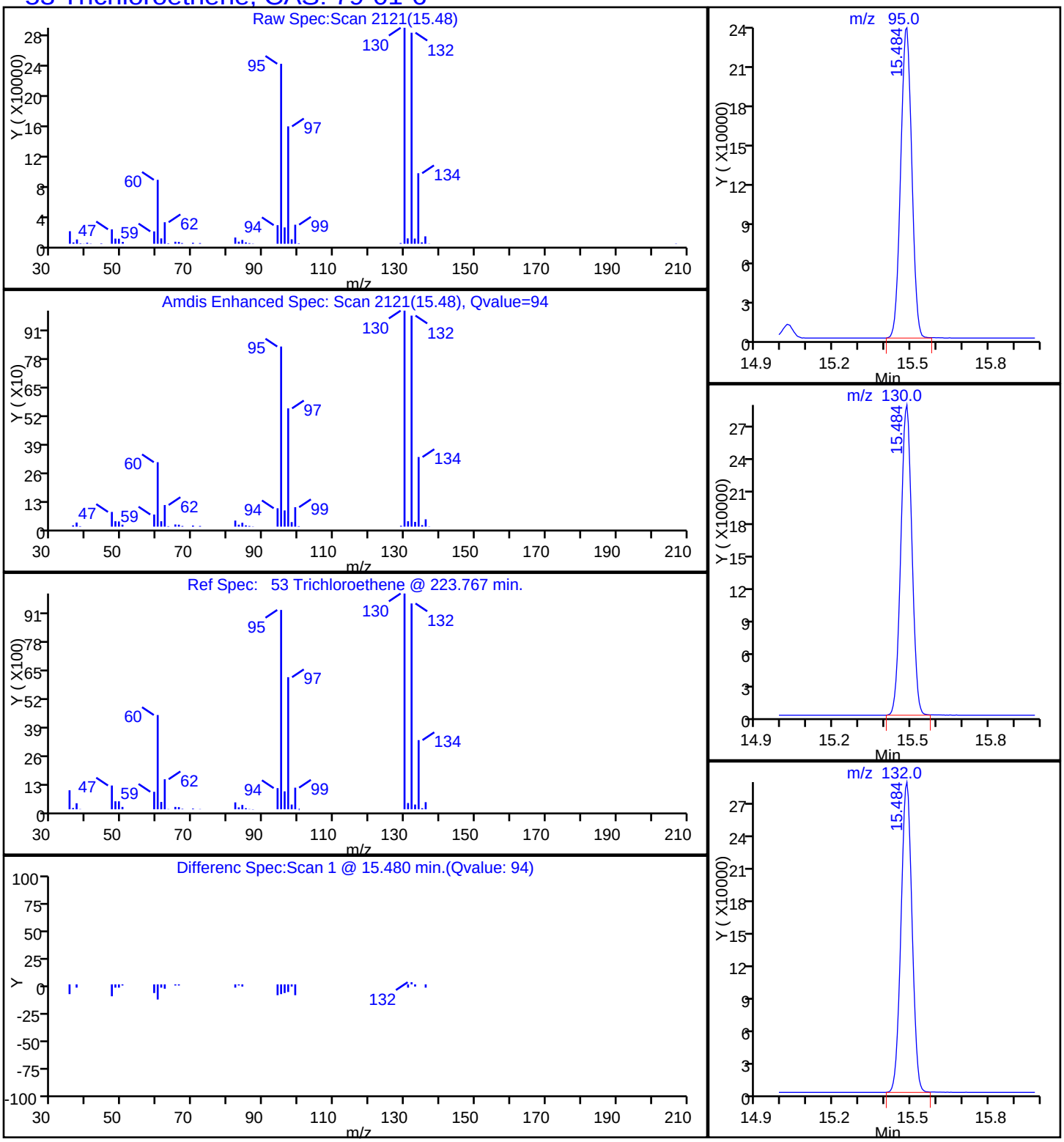






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

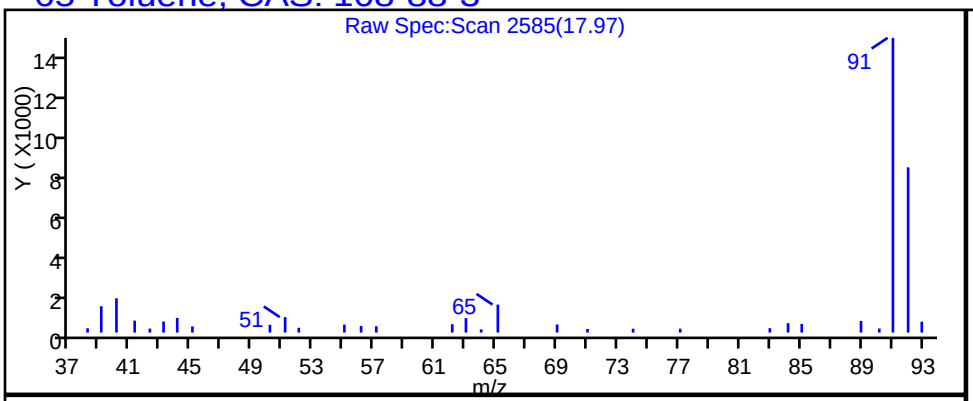
53 Trichloroethene, CAS: 79-01-6

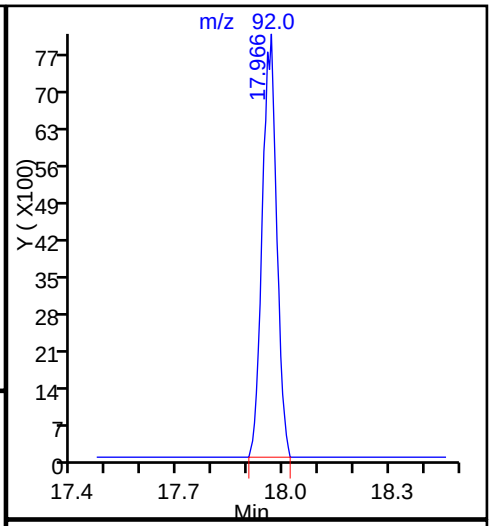


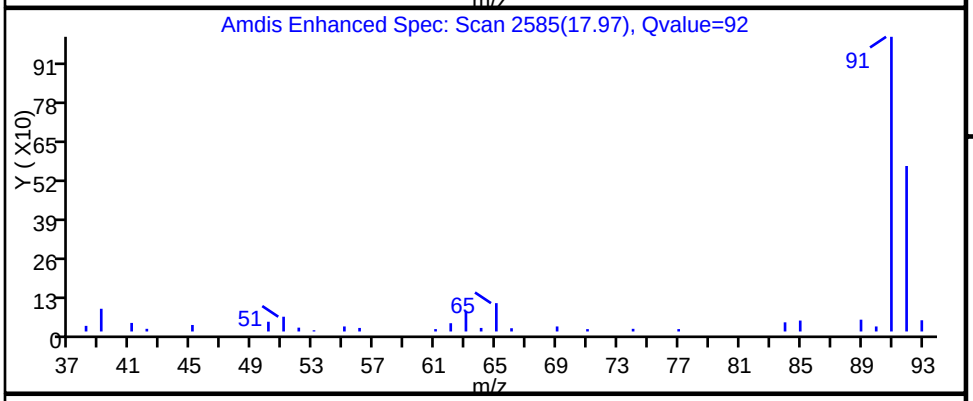
TestAmerica Burlington

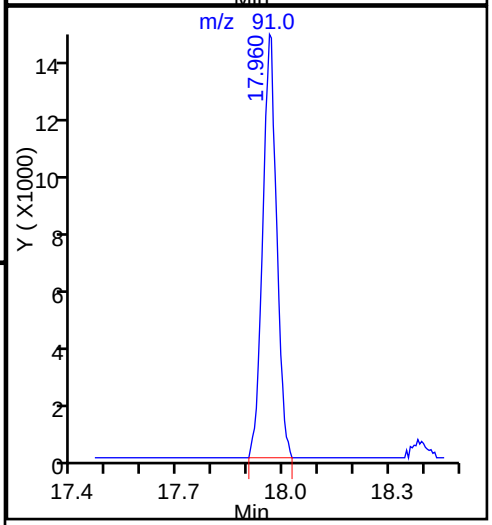
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

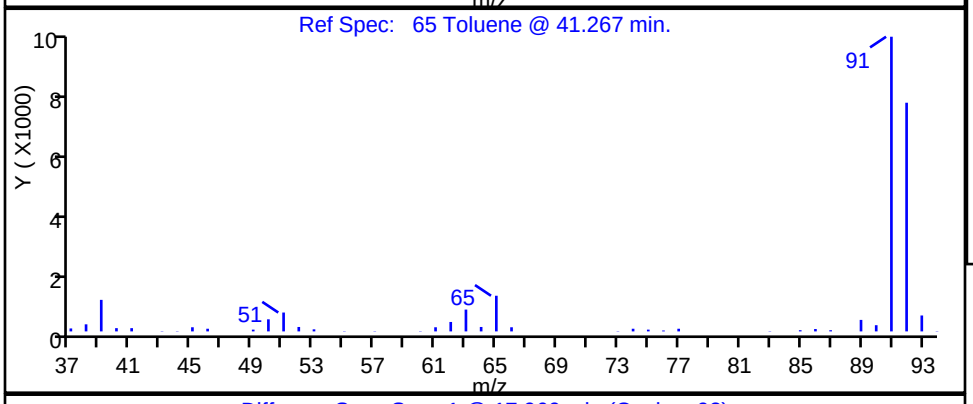
65 Toluene, CAS: 108-88-3

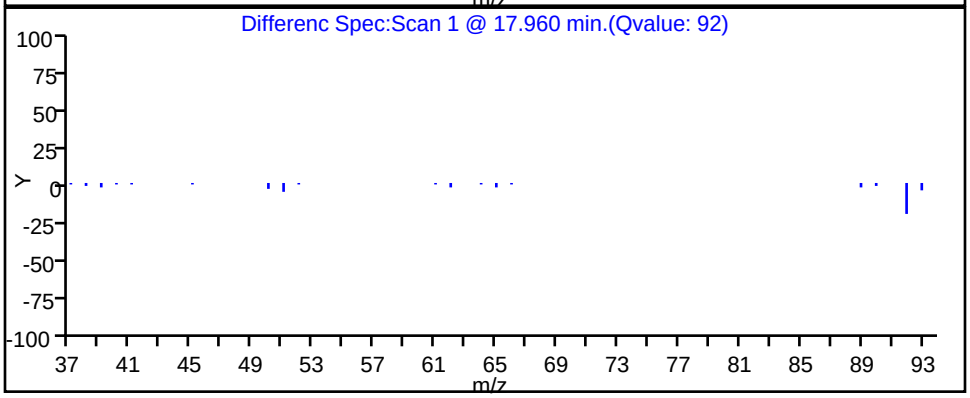






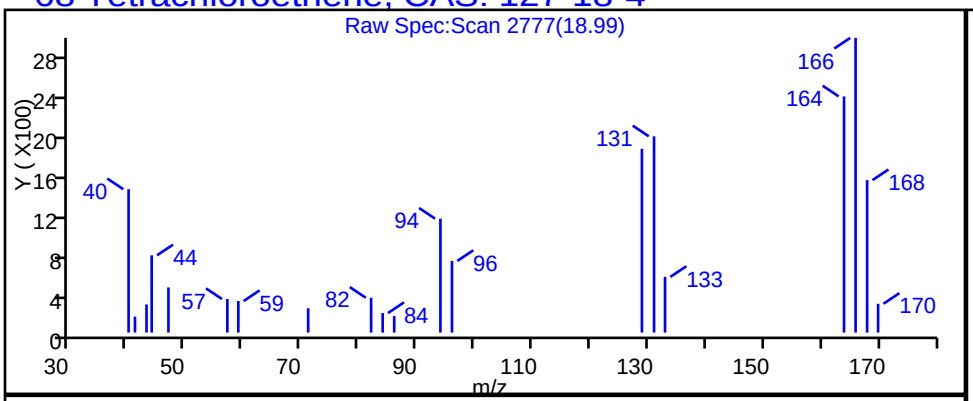


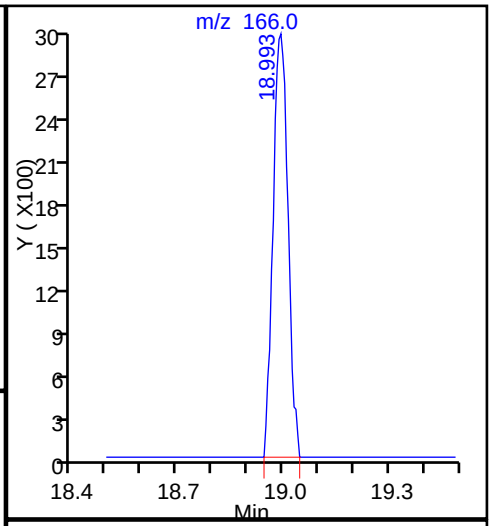


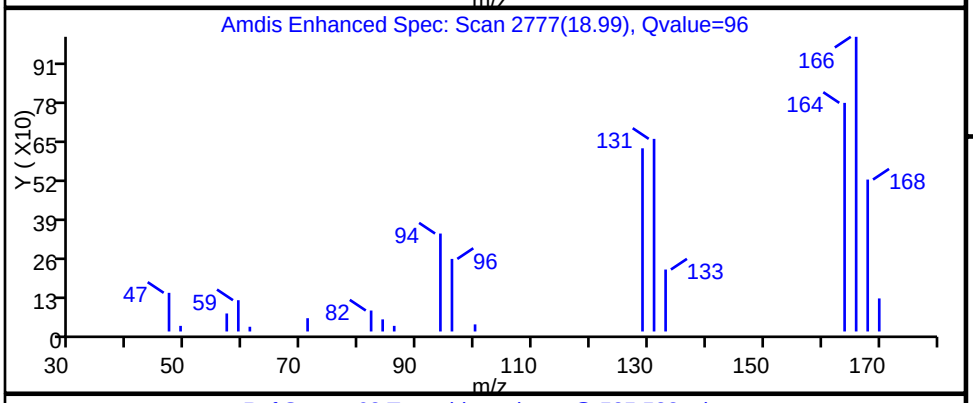


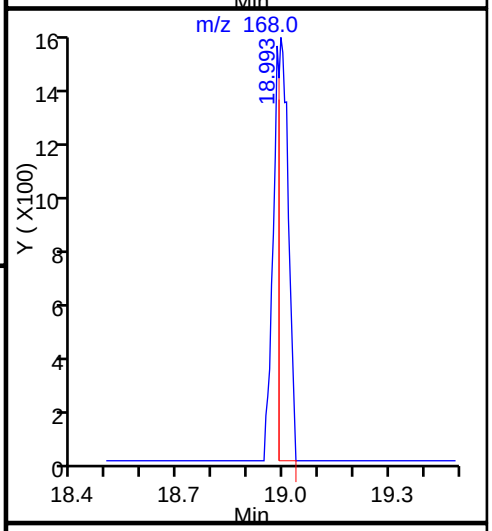
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

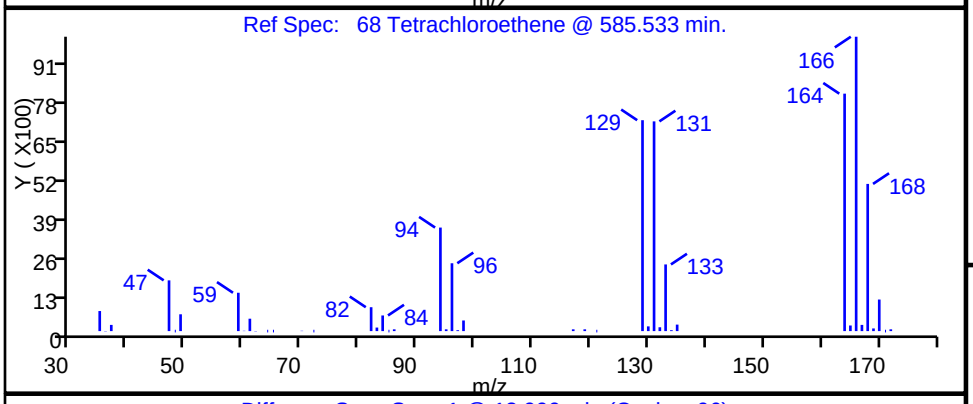
68 Tetrachloroethene, CAS: 127-18-4

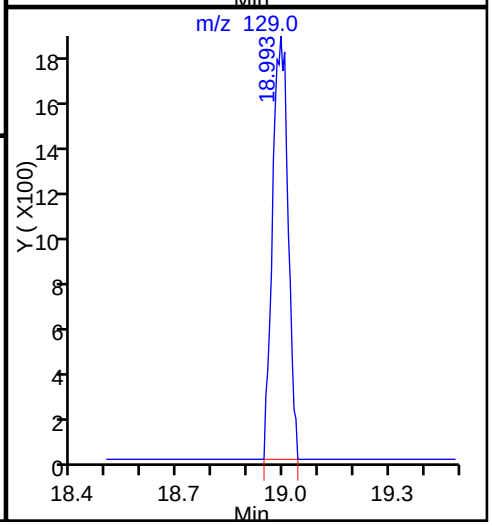


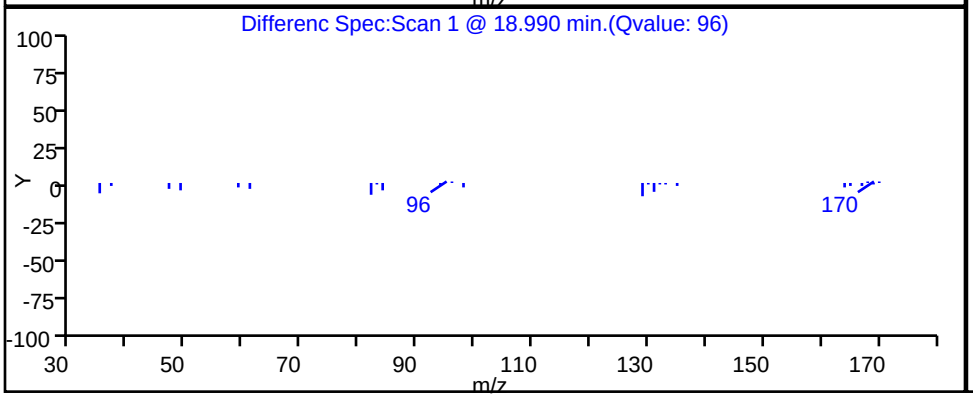








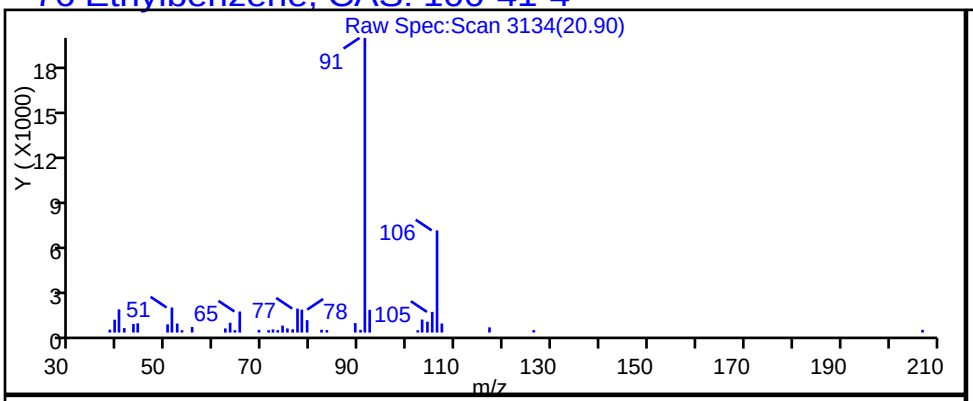


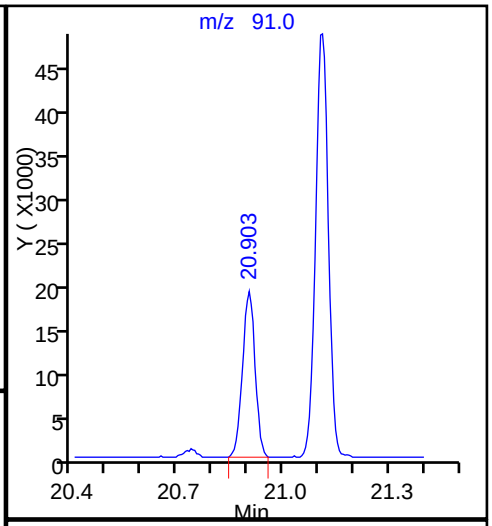


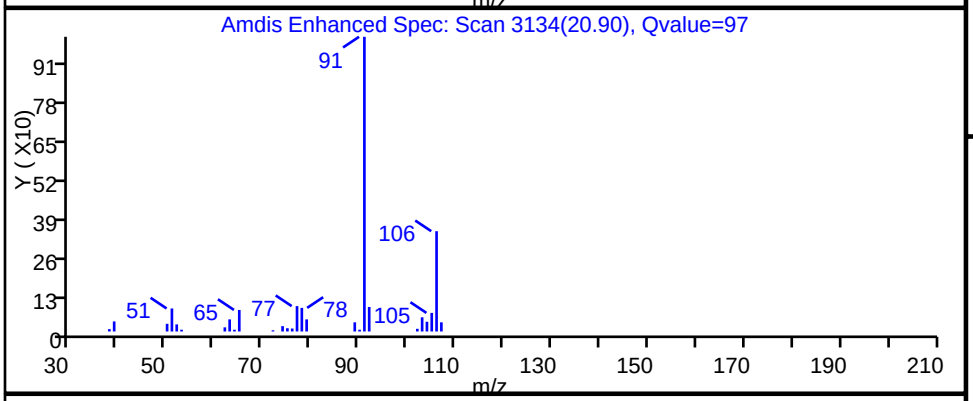
TestAmerica Burlington

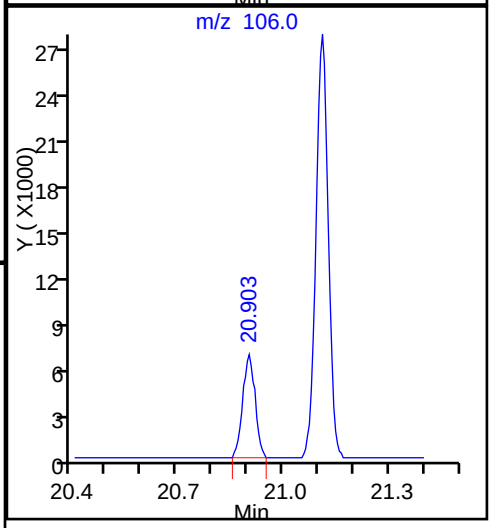
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

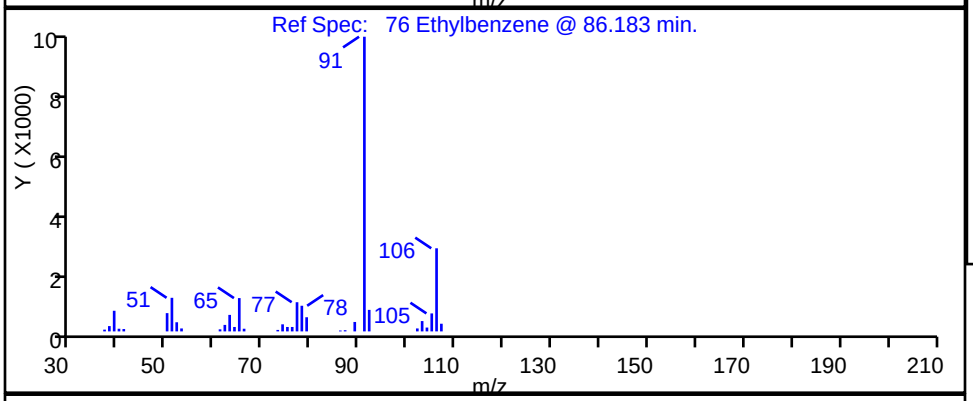
76 Ethylbenzene, CAS: 100-41-4

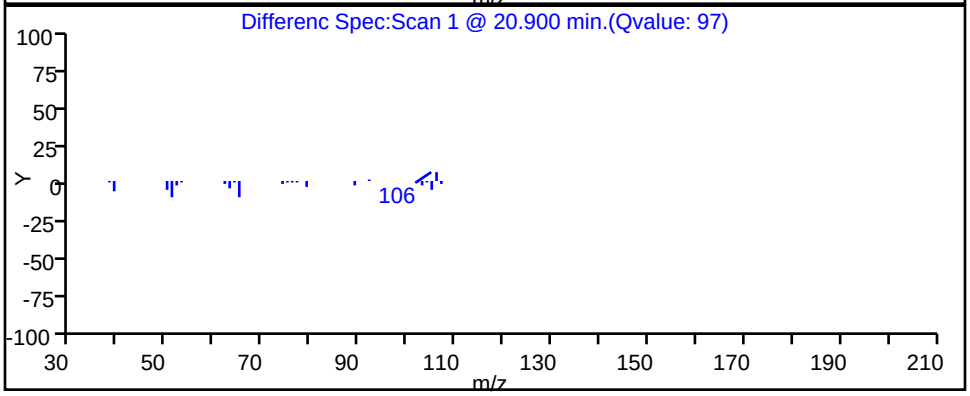








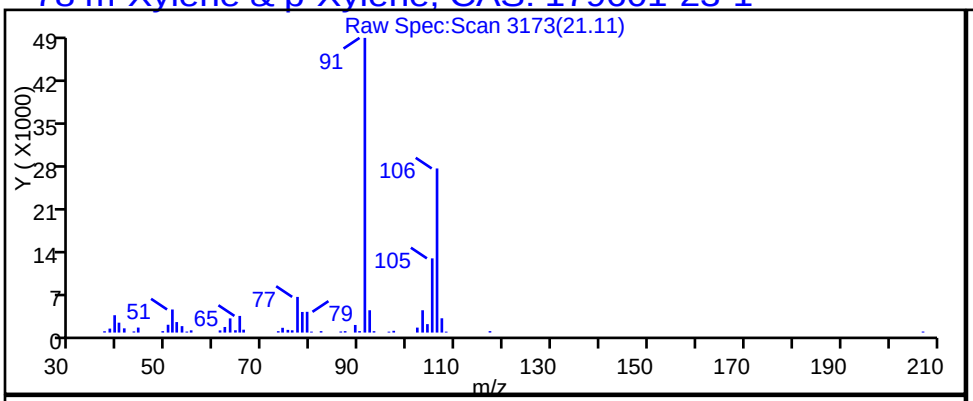


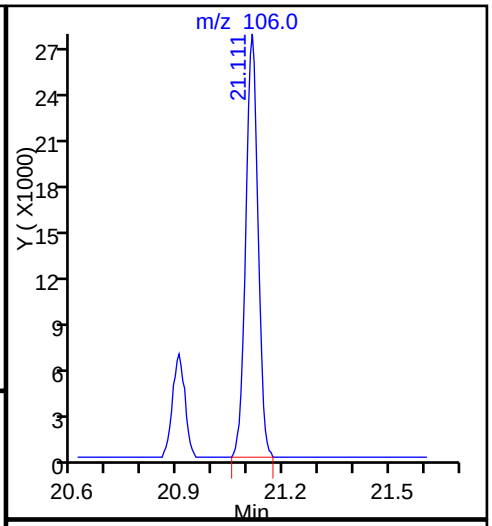


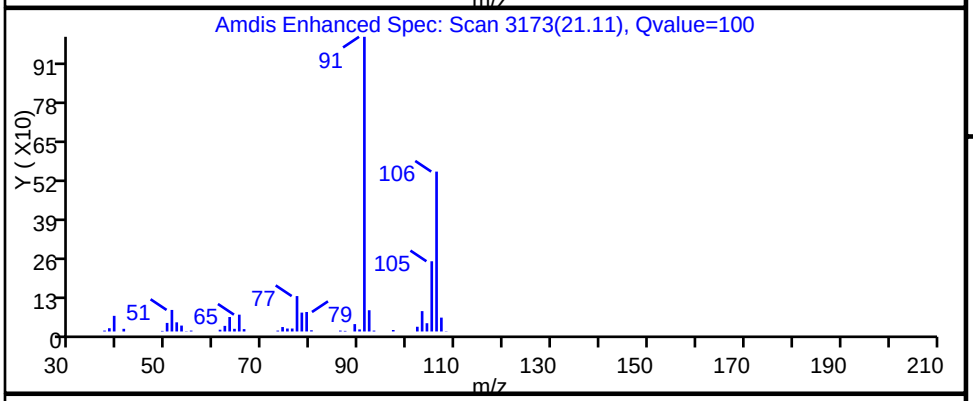
TestAmerica Burlington

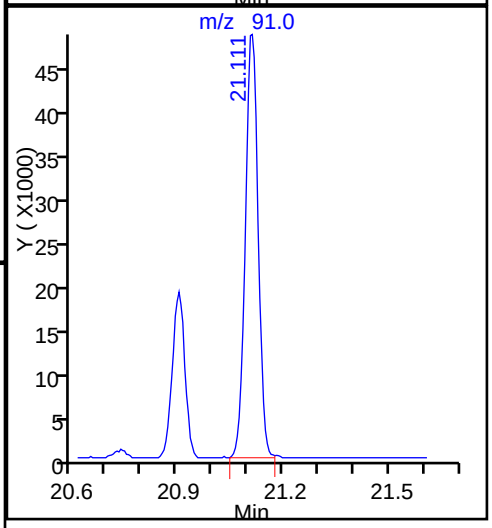
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

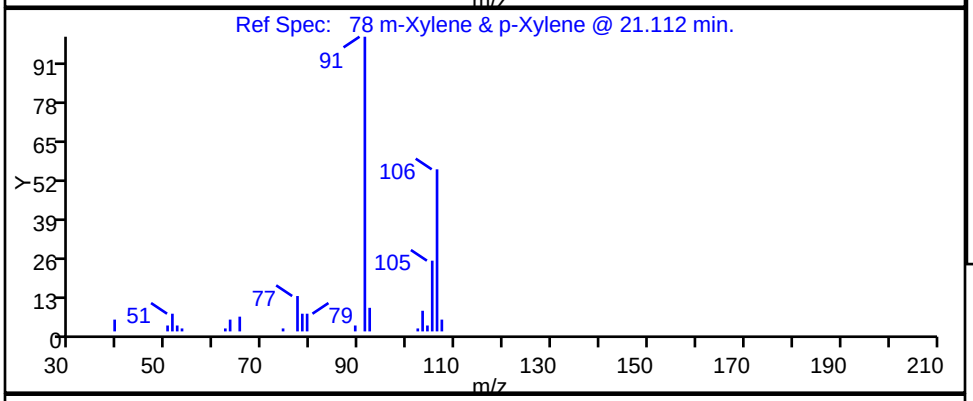
78 m-Xylene & p-Xylene, CAS: 179601-23-1

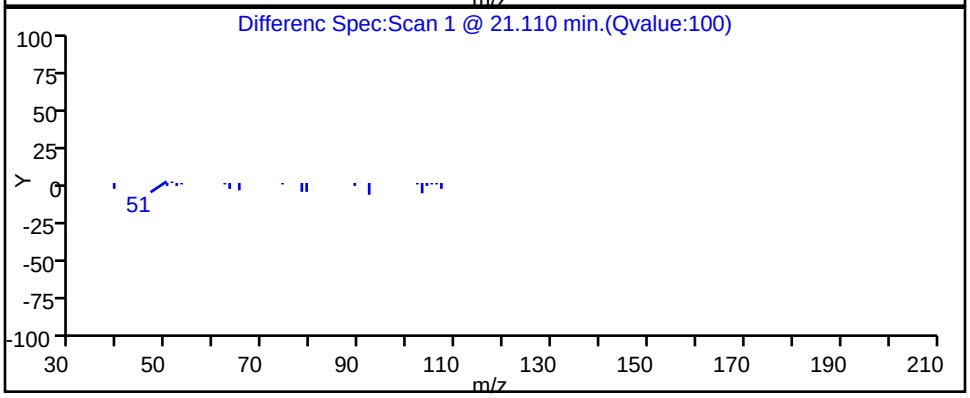








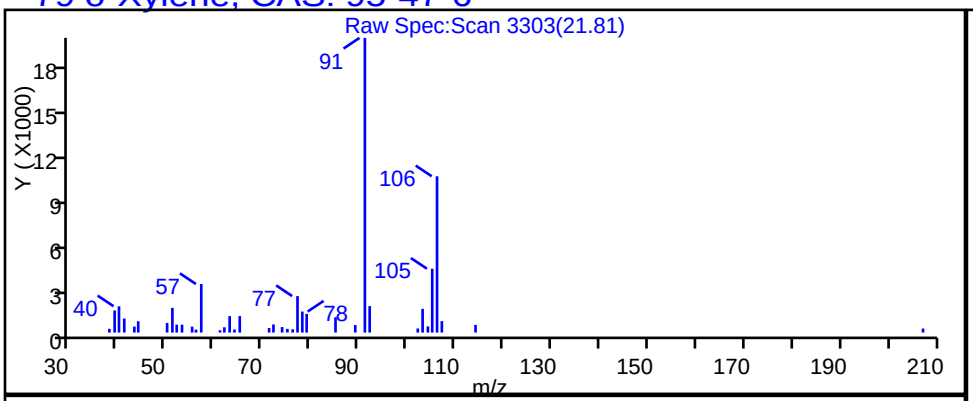


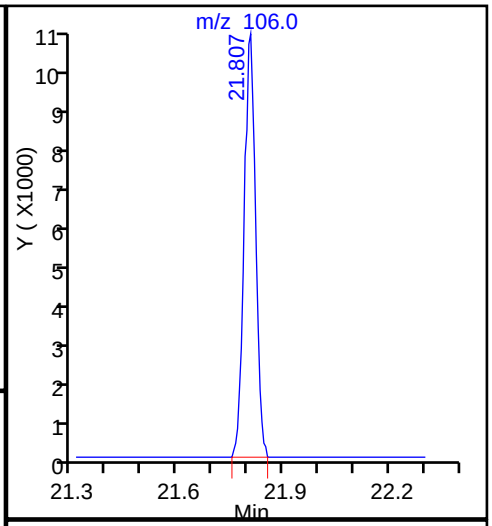


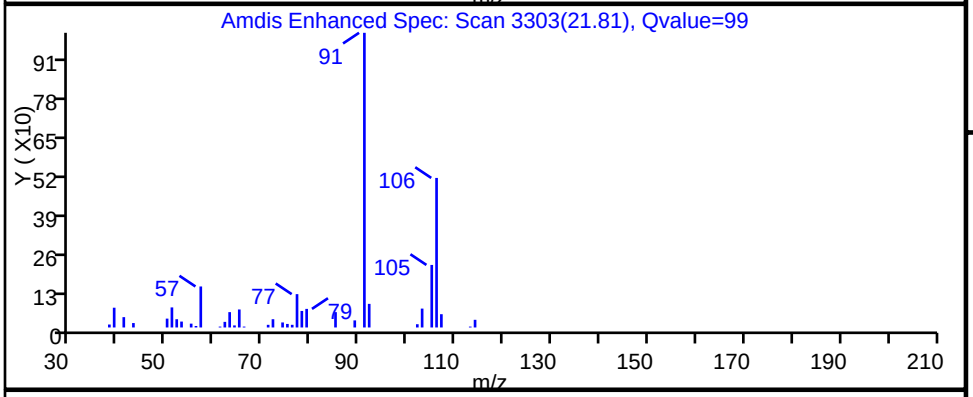
TestAmerica Burlington

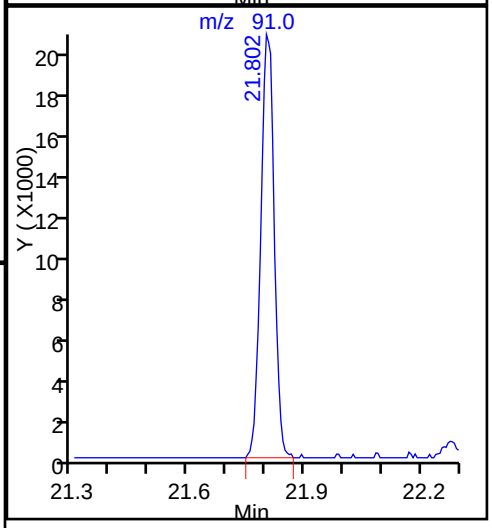
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

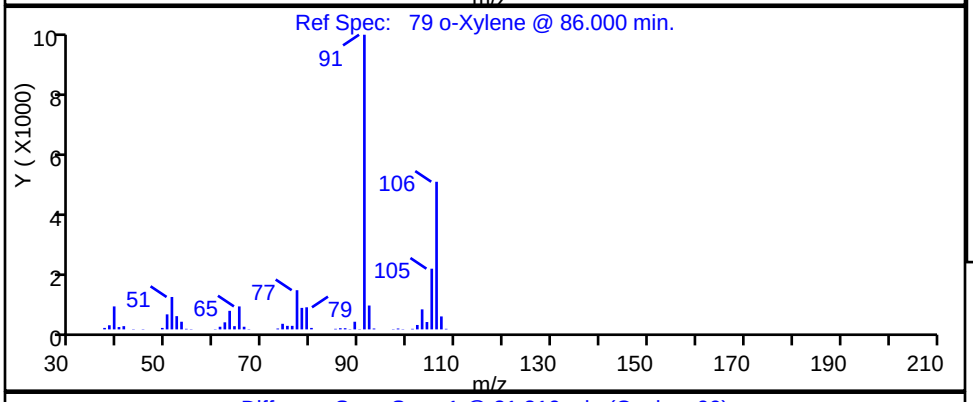
79 o-Xylene, CAS: 95-47-6

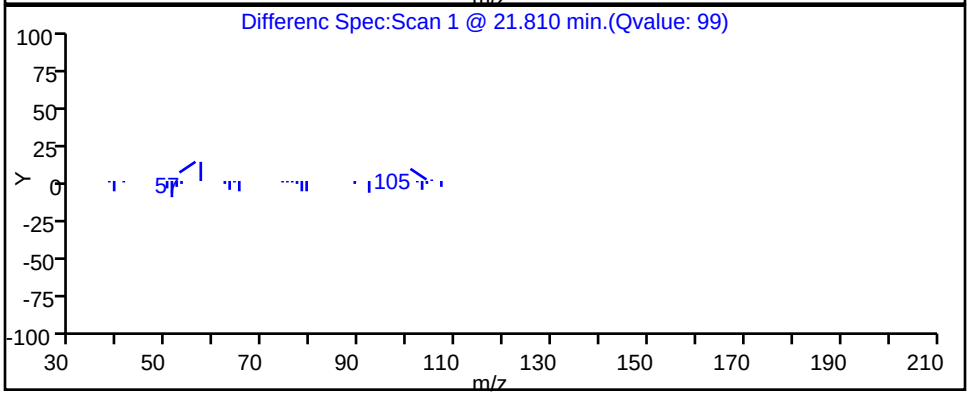








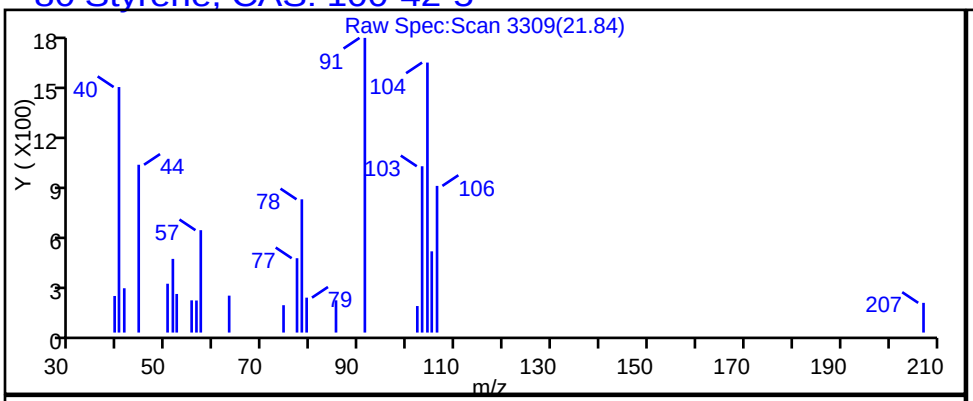


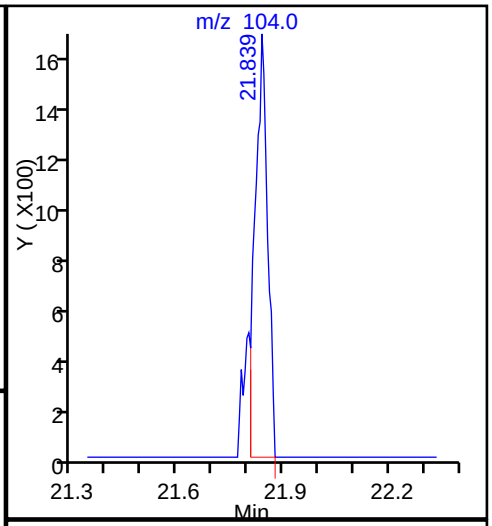


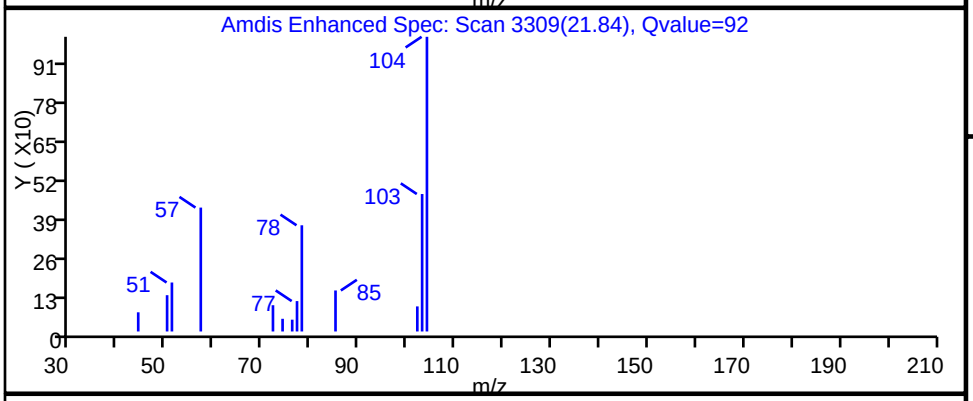
TestAmerica Burlington

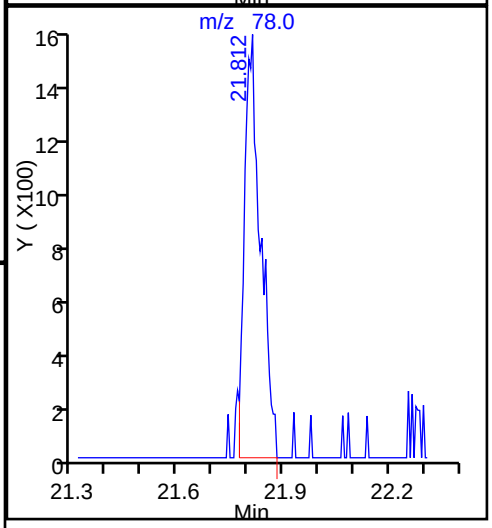
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

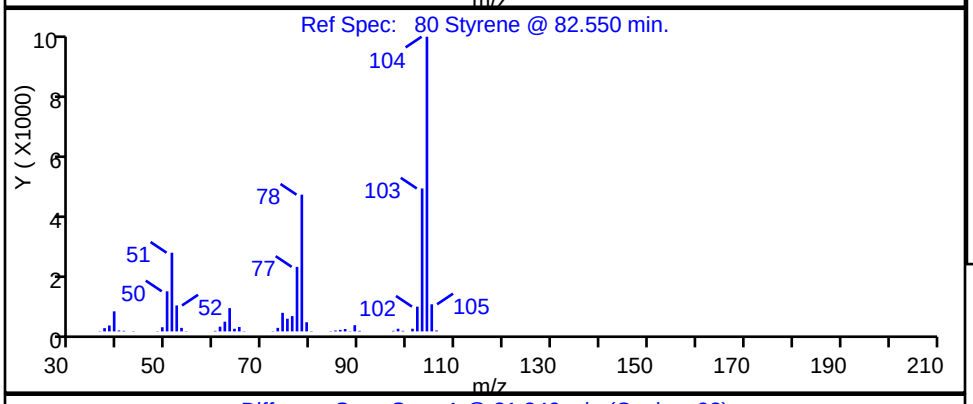
80 Styrene, CAS: 100-42-5

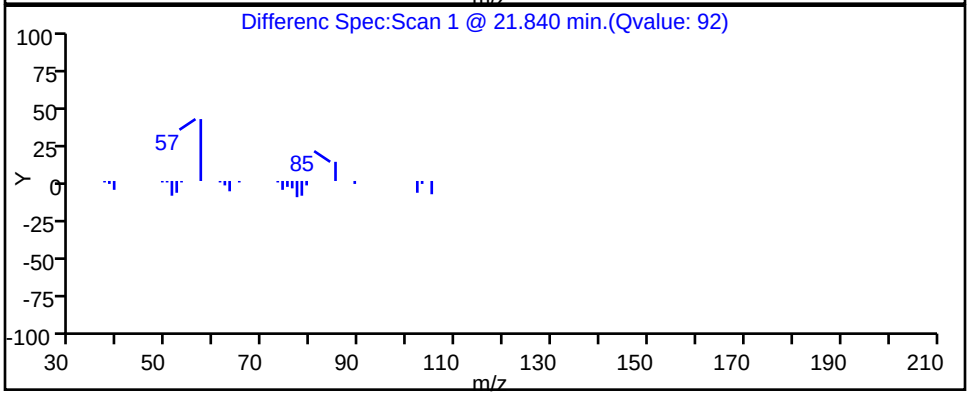








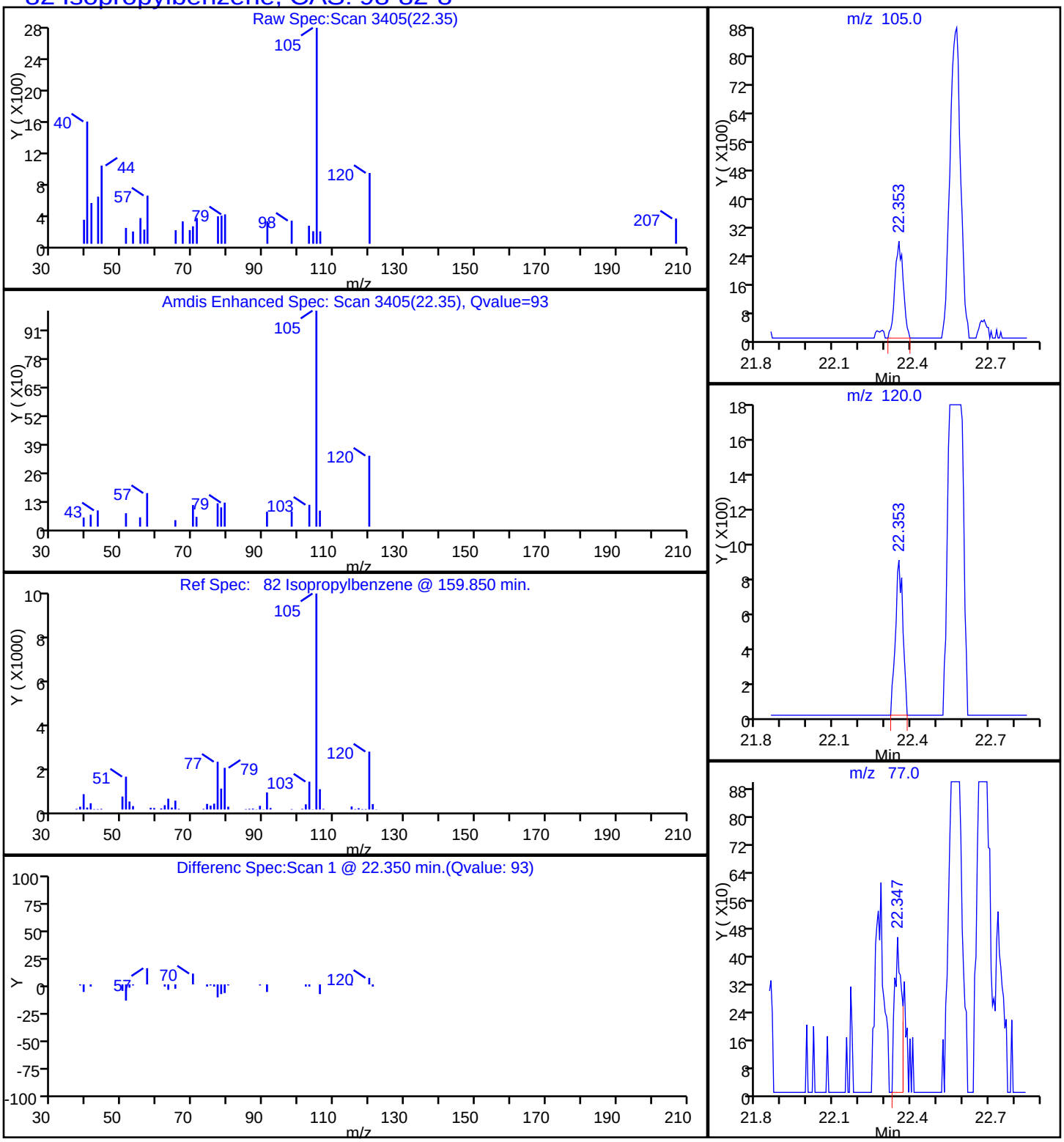




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

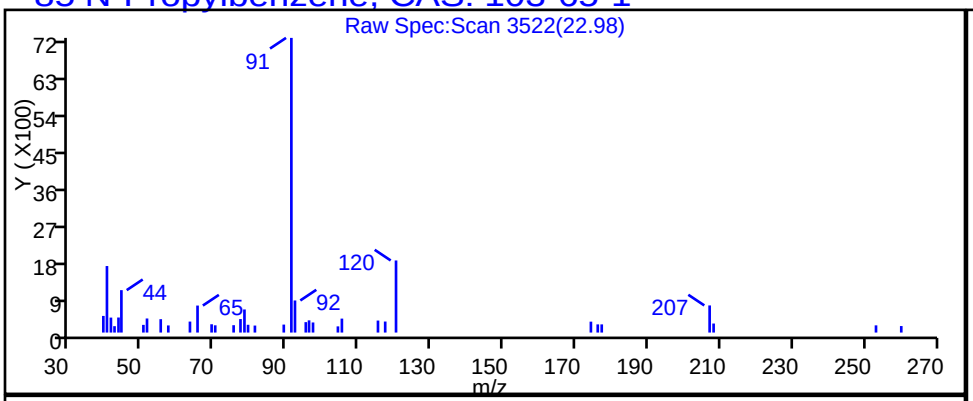
82 Isopropylbenzene, CAS: 98-82-8

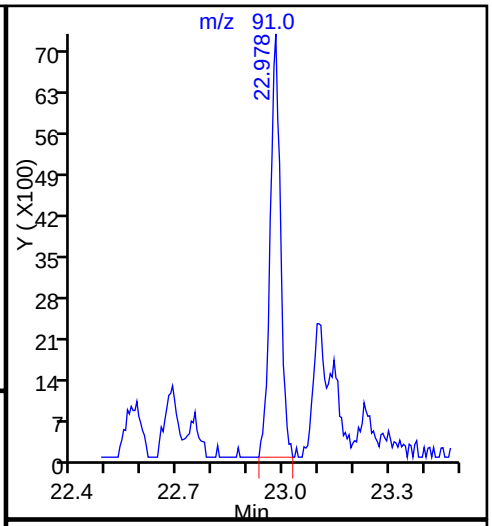


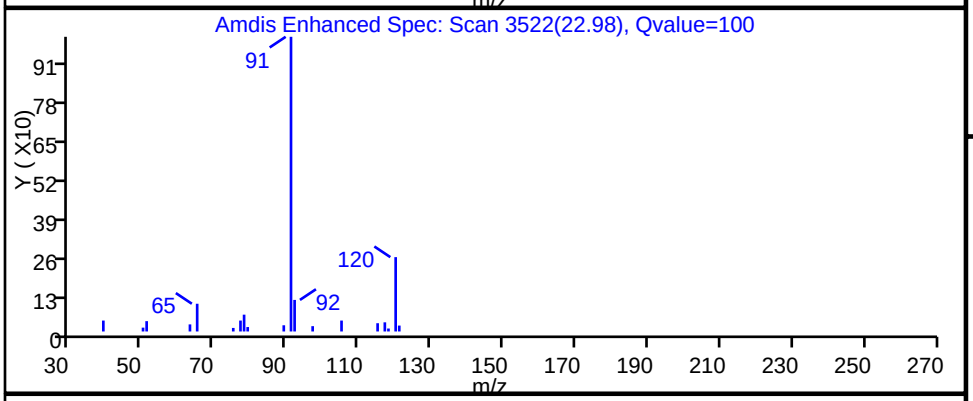
TestAmerica Burlington

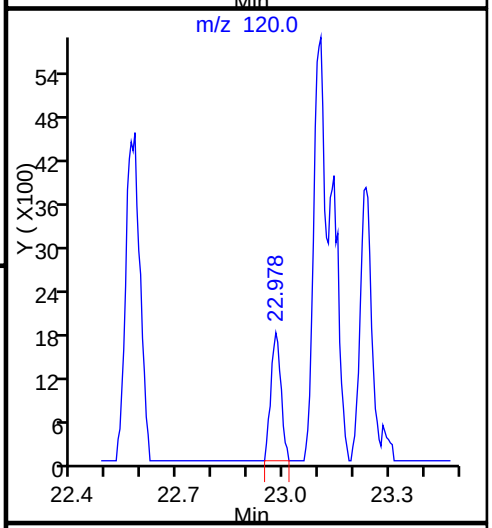
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

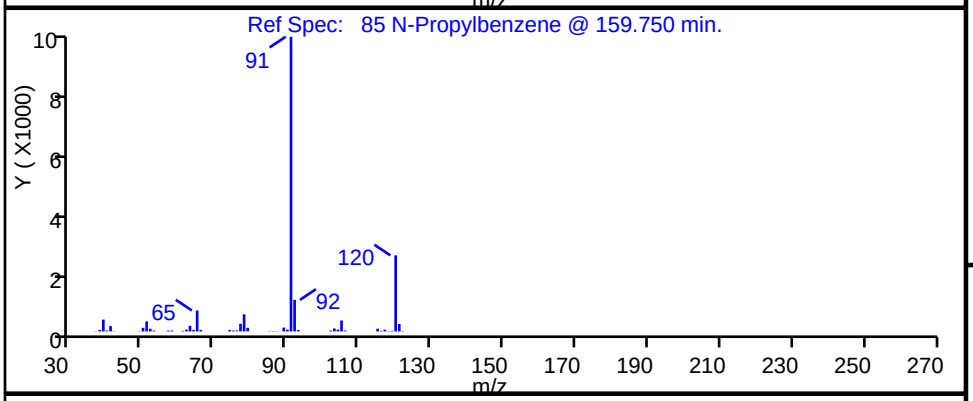
85 N-Propylbenzene, CAS: 103-65-1

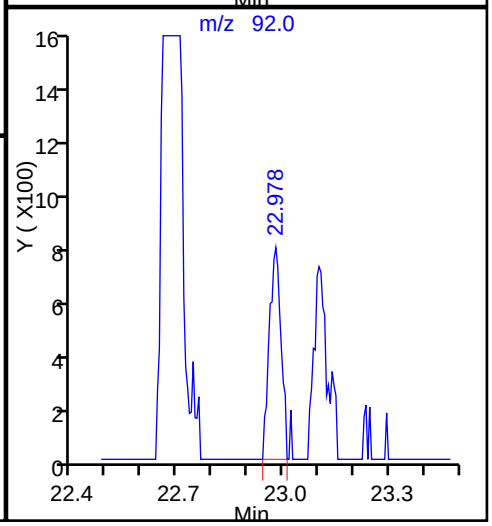


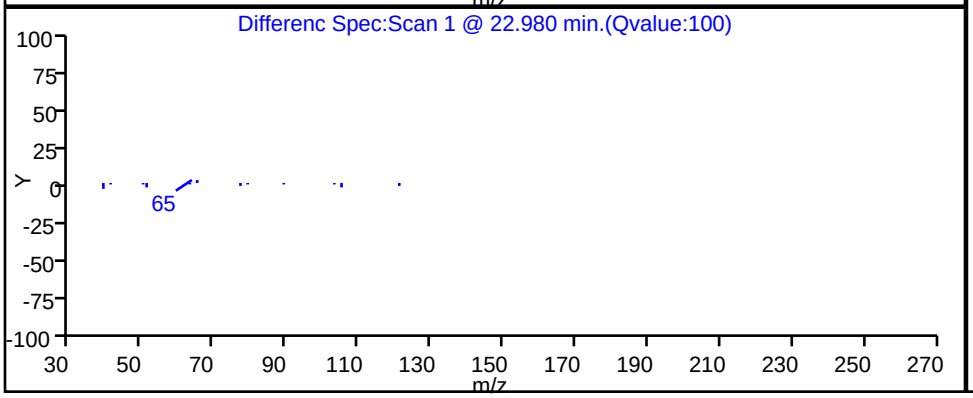








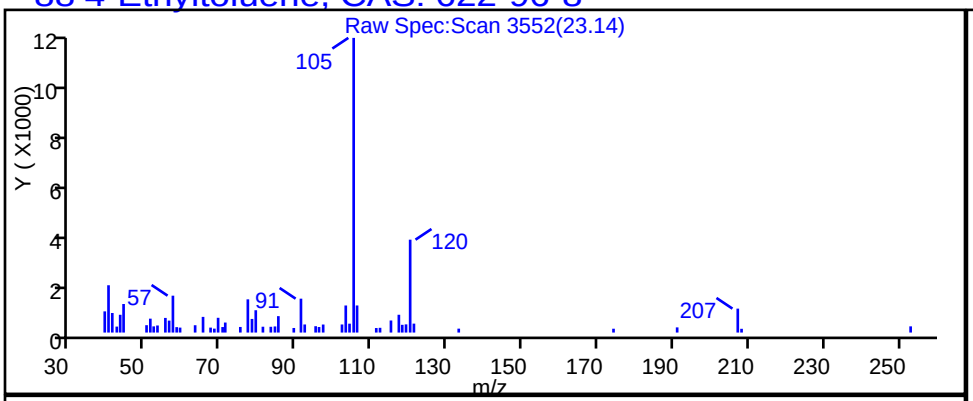


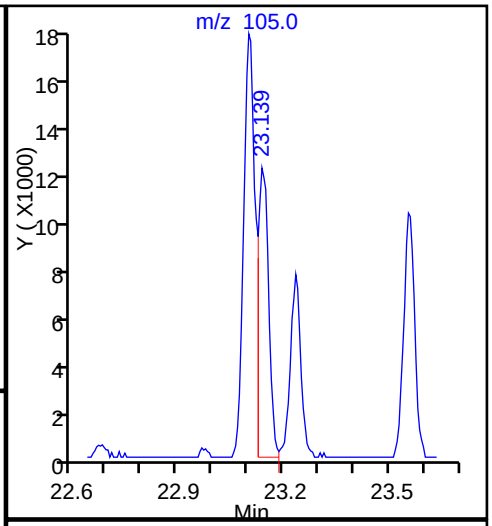


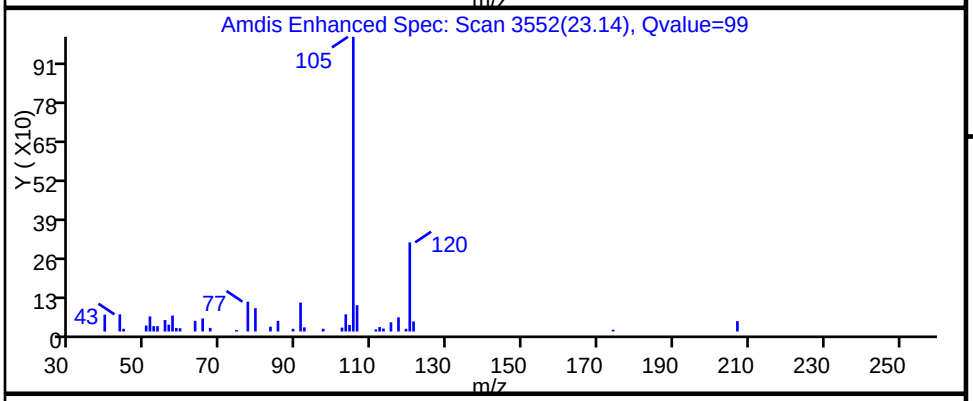
TestAmerica Burlington

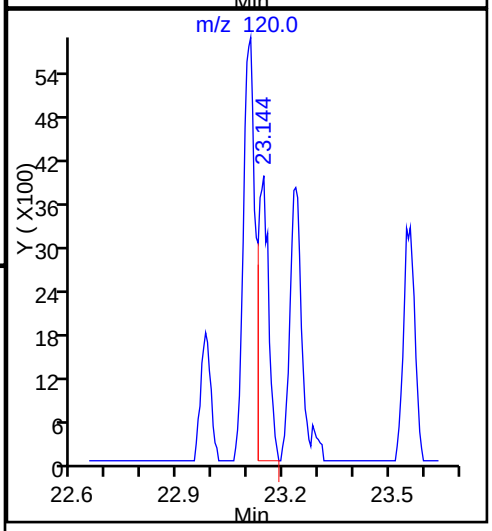
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

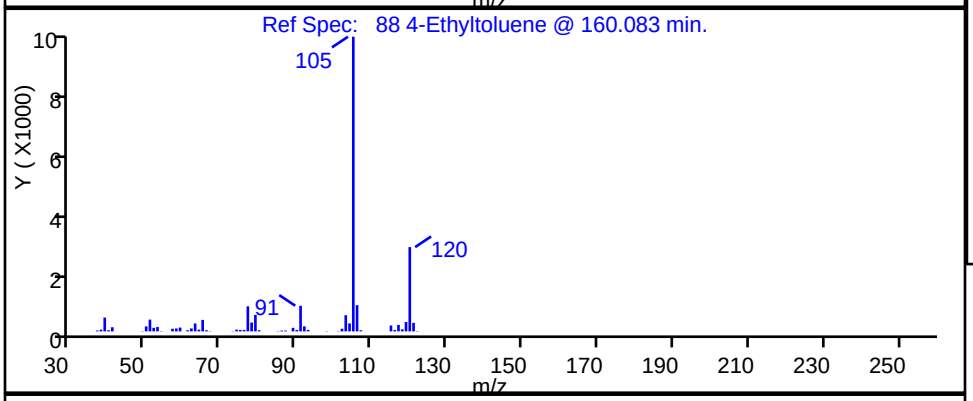
88 4-Ethyltoluene, CAS: 622-96-8

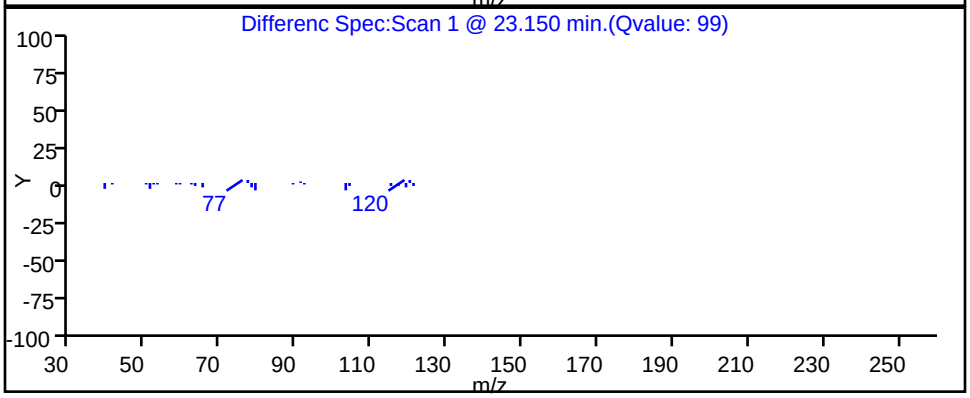








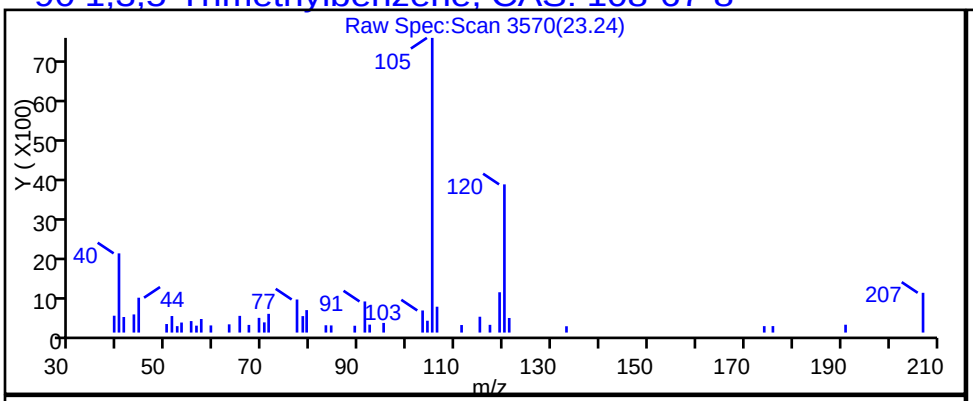


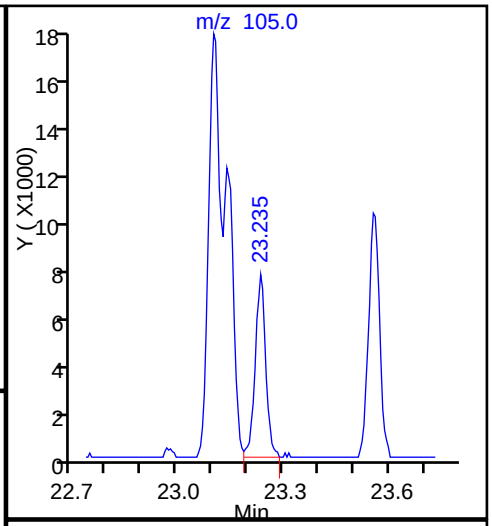


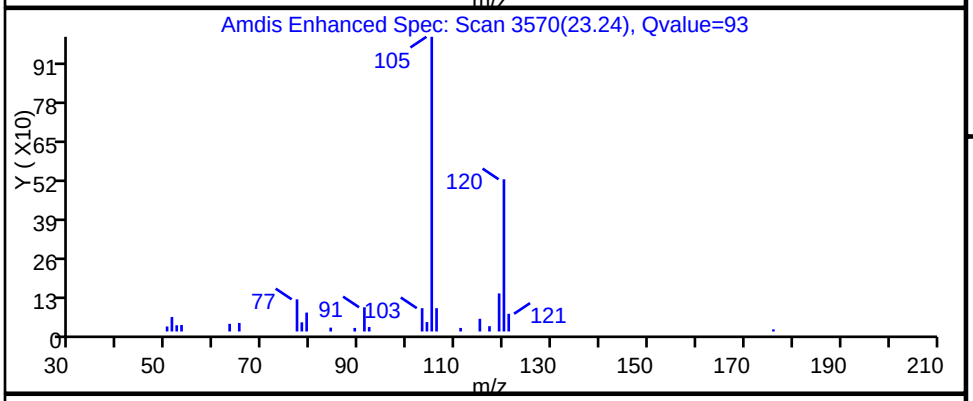
TestAmerica Burlington

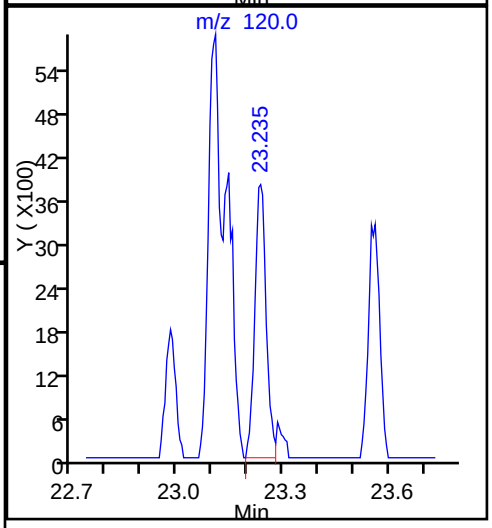
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

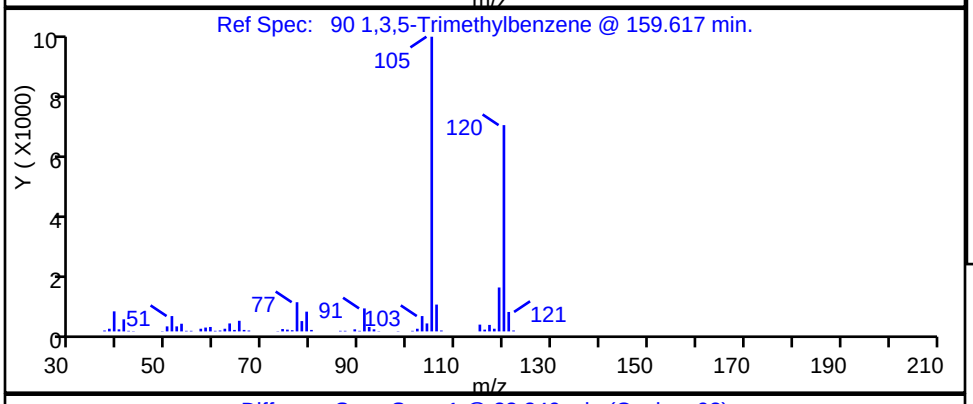
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

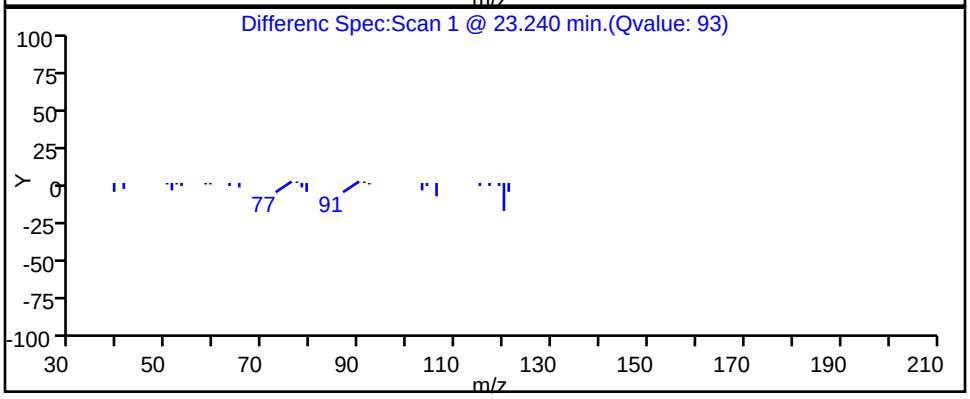






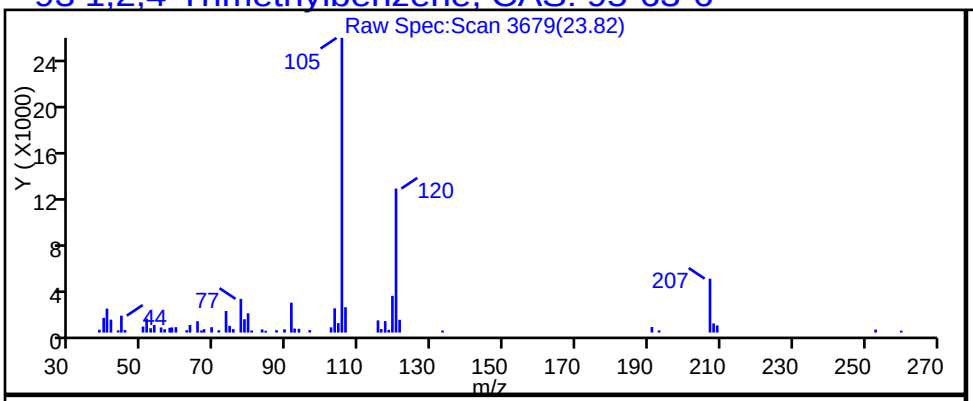


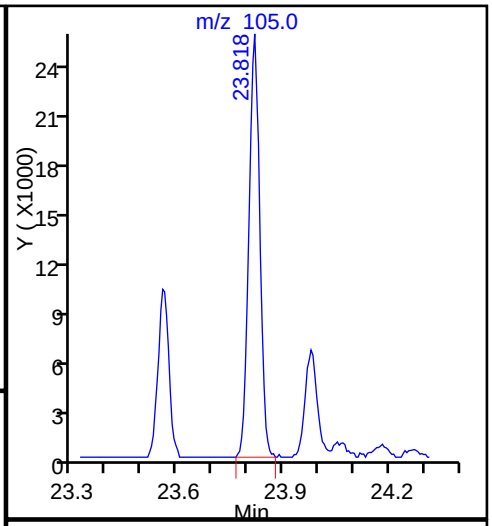


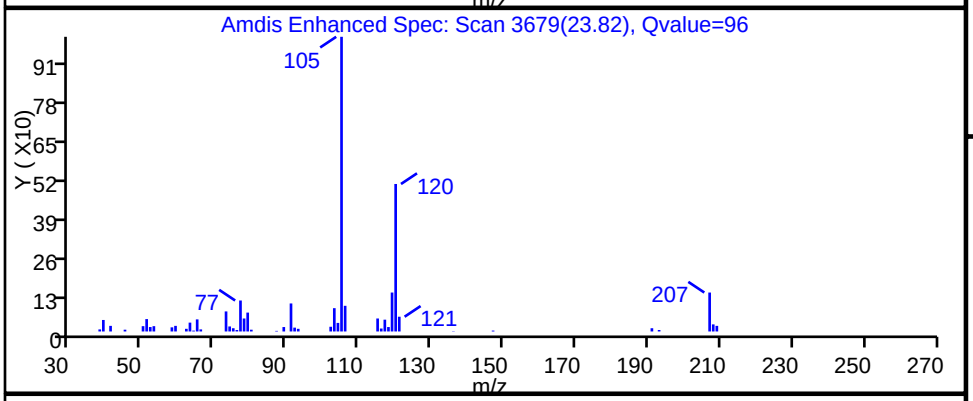


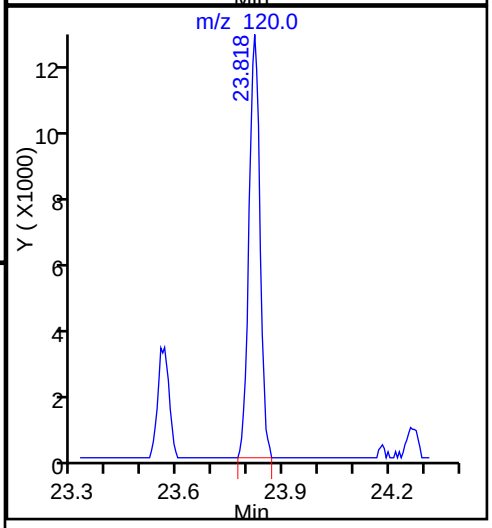
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

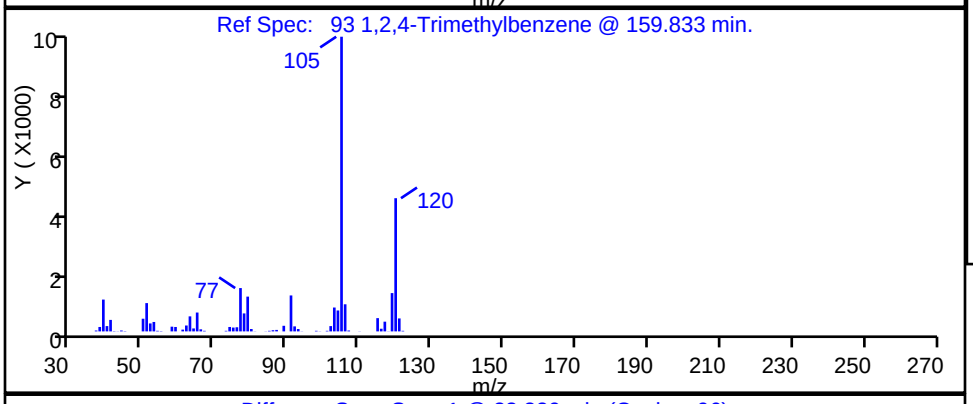
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

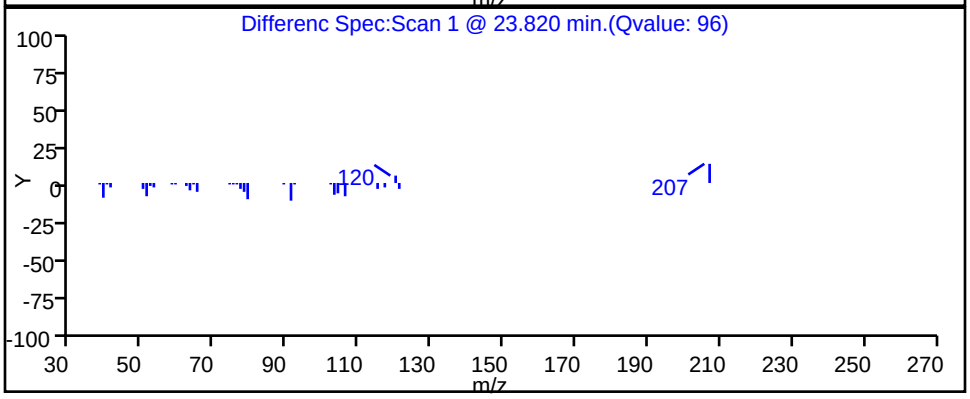






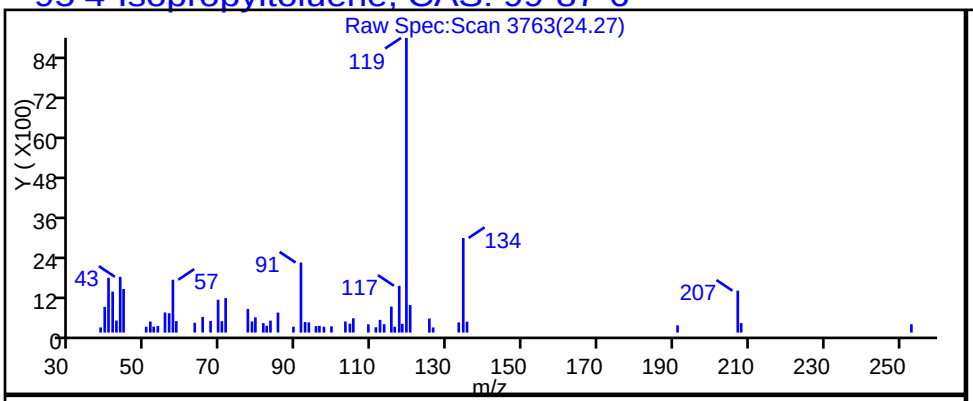


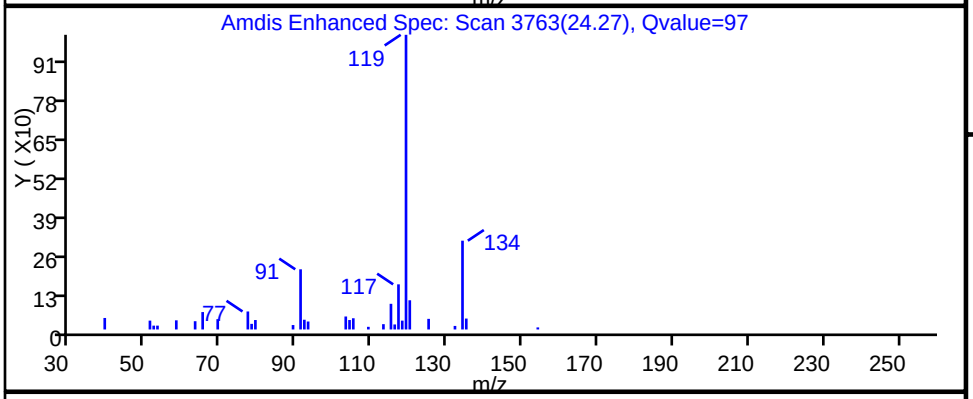


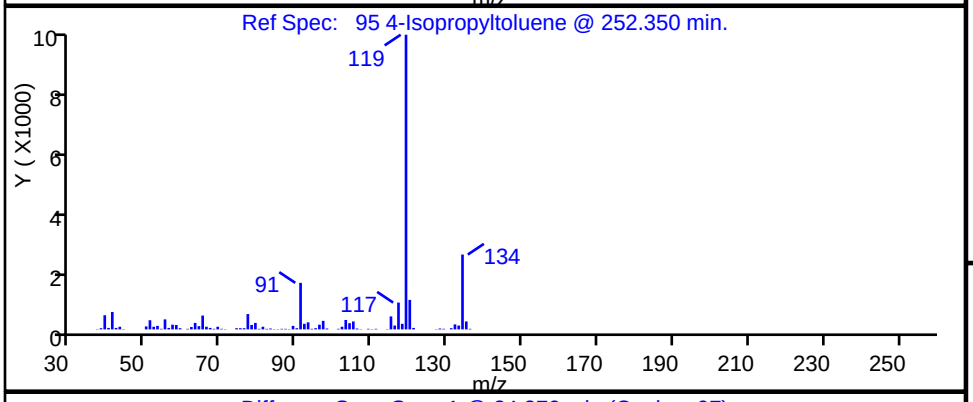


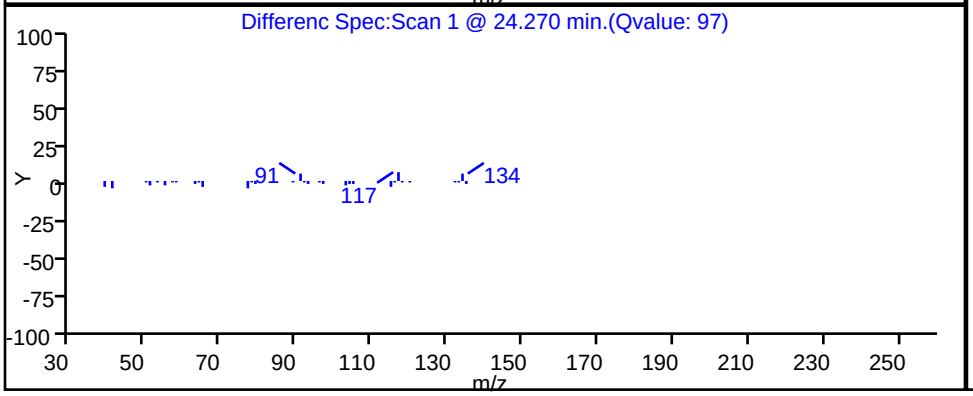
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d
Injection Date: 10-Sep-2015 14:13:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-1 Lab Sample ID: 200-29580-1
Client ID: 774776CA01MA
Operator ID: wrd ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

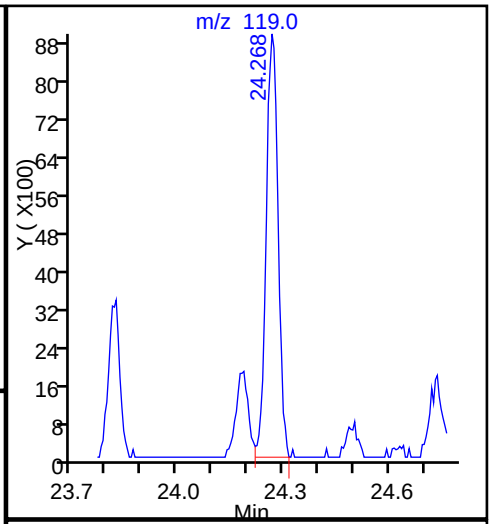
95 4-Isopropyltoluene, CAS: 99-87-6

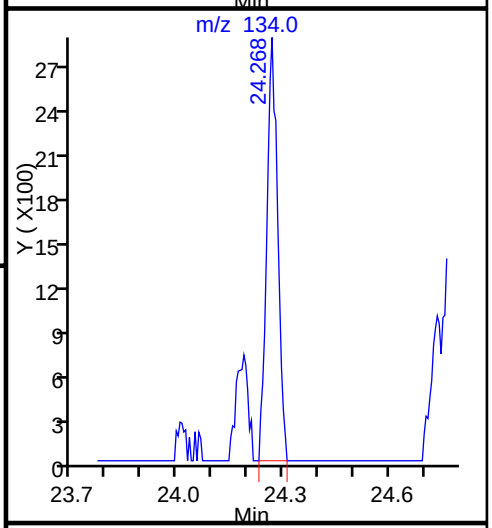


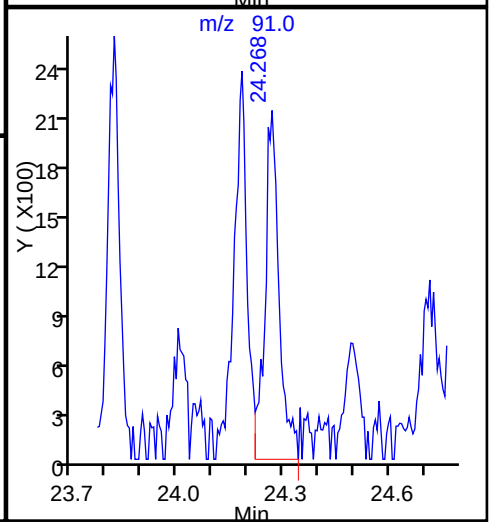












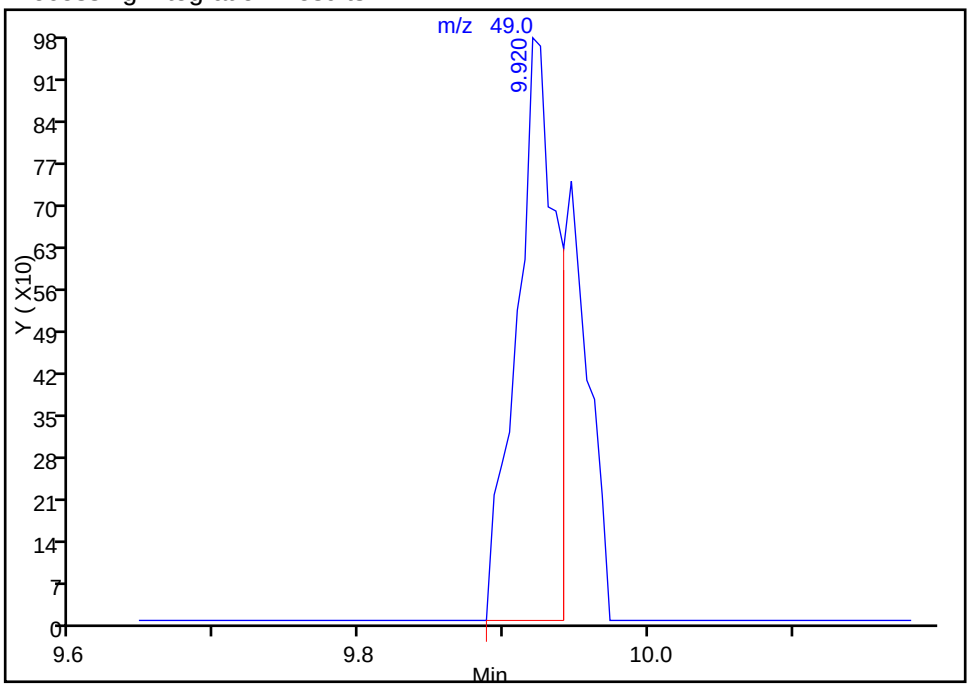
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

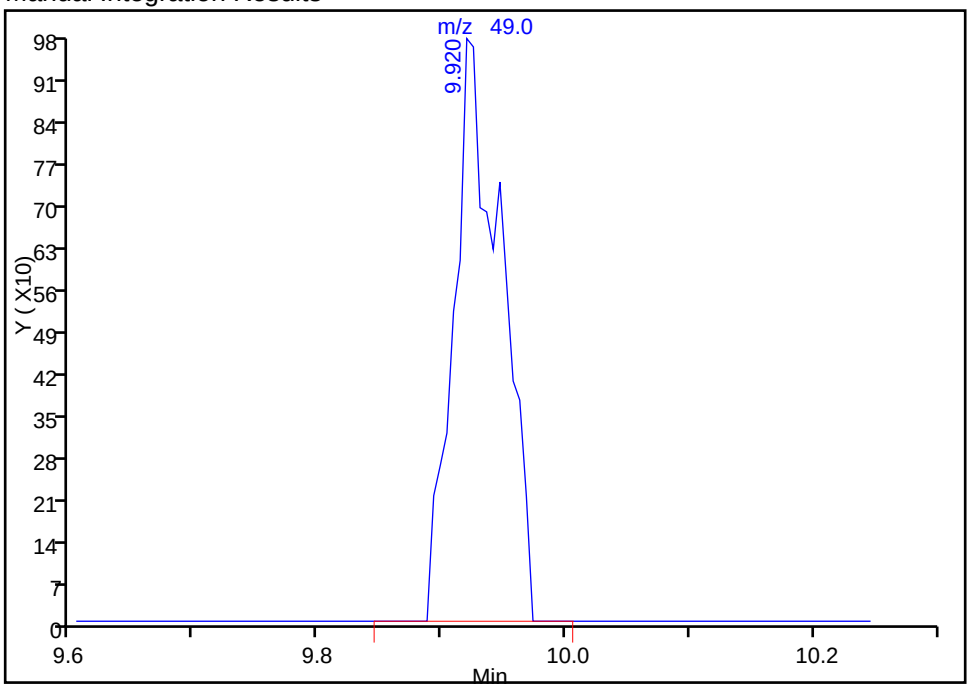
Processing Integration Results

RT: 9.92
Area: 1876
Amount: 0.074704
Amount Units: ppb v/v



Manual Integration Results

RT: 9.92
Area: 2609
Amount: 0.103893
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:39:46
Audit Action: Manually Integrated
Audit Reason: Baseline

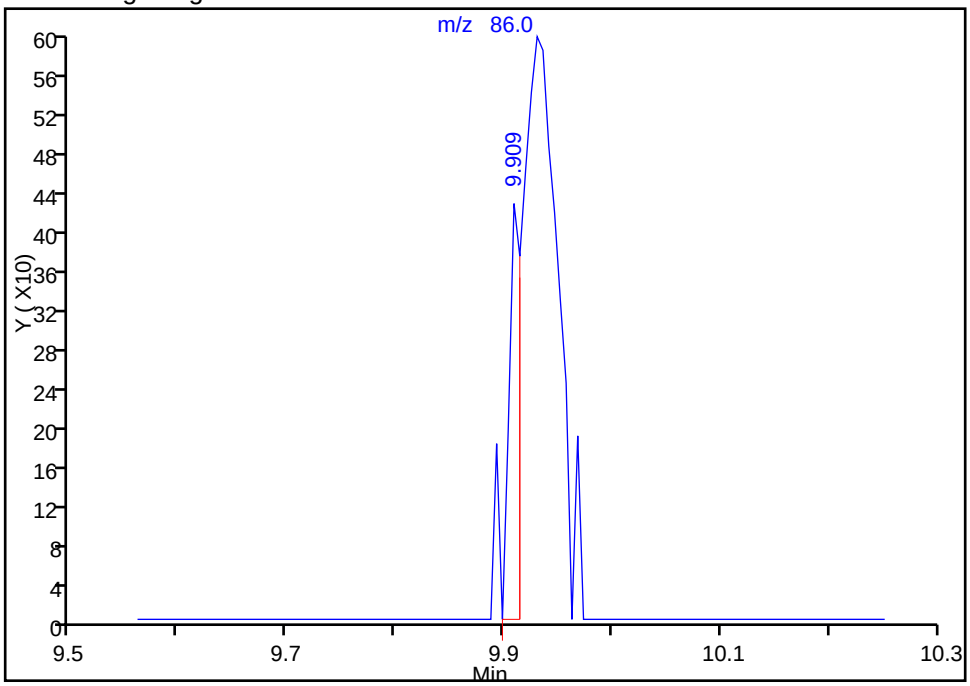
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

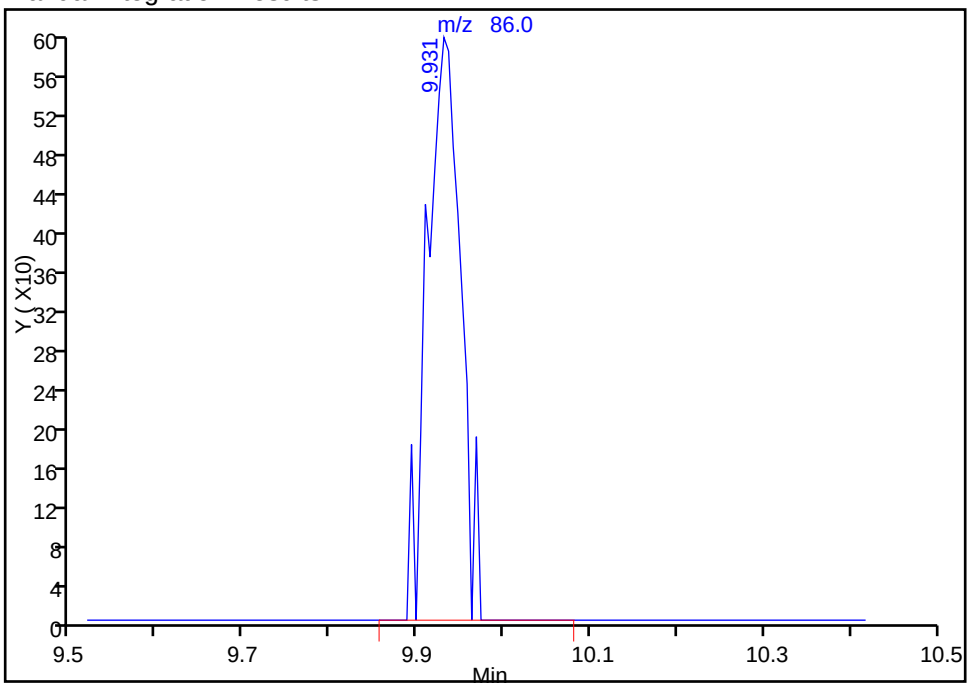
Processing Integration Results

RT: 9.91
Area: 318
Amount: 0.074704
Amount Units: ppb v/v



Manual Integration Results

RT: 9.93
Area: 1608
Amount: 0.103893
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:39:46
Audit Action: Manually Integrated
Audit Reason: Baseline

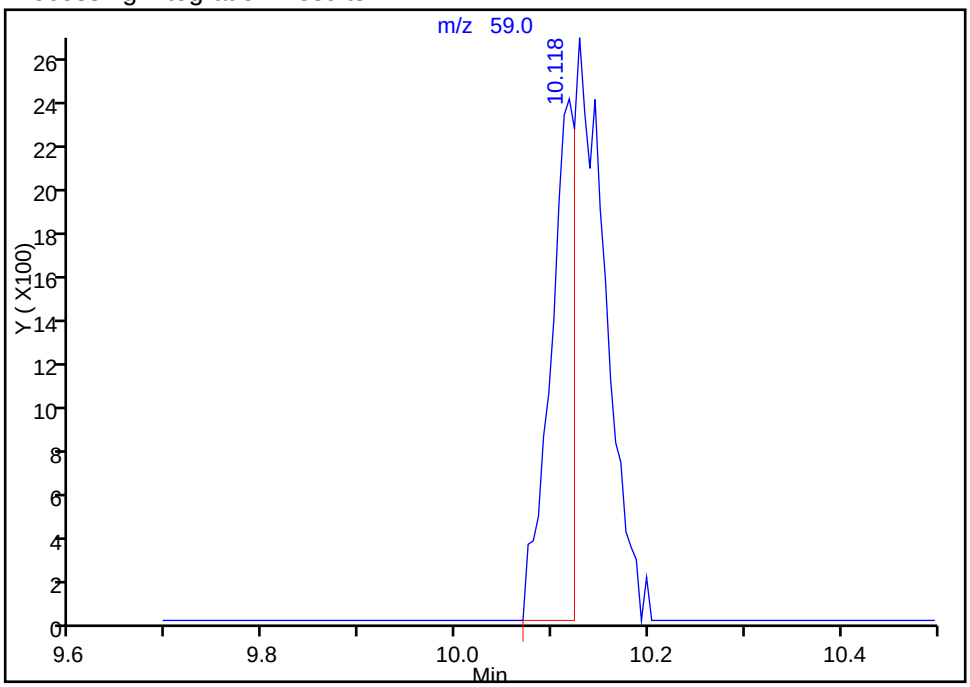
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

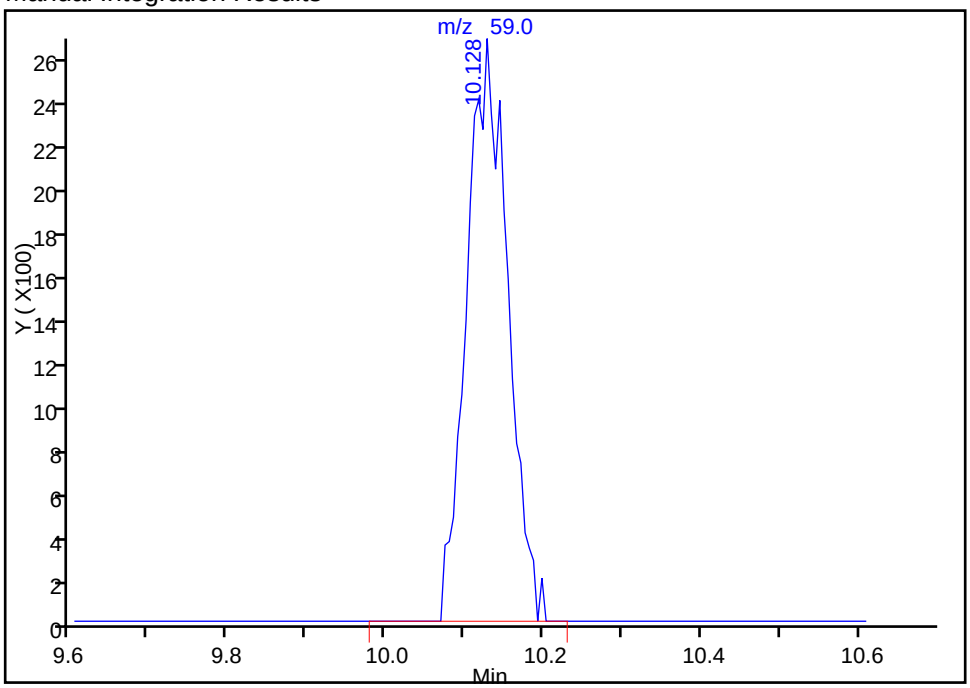
Processing Integration Results

RT: 10.12
Area: 4219
Amount: 0.095421
Amount Units: ppb v/v



Manual Integration Results

RT: 10.13
Area: 9526
Amount: 0.215450
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:39:46
Audit Action: Manually Integrated
Audit Reason: Baseline

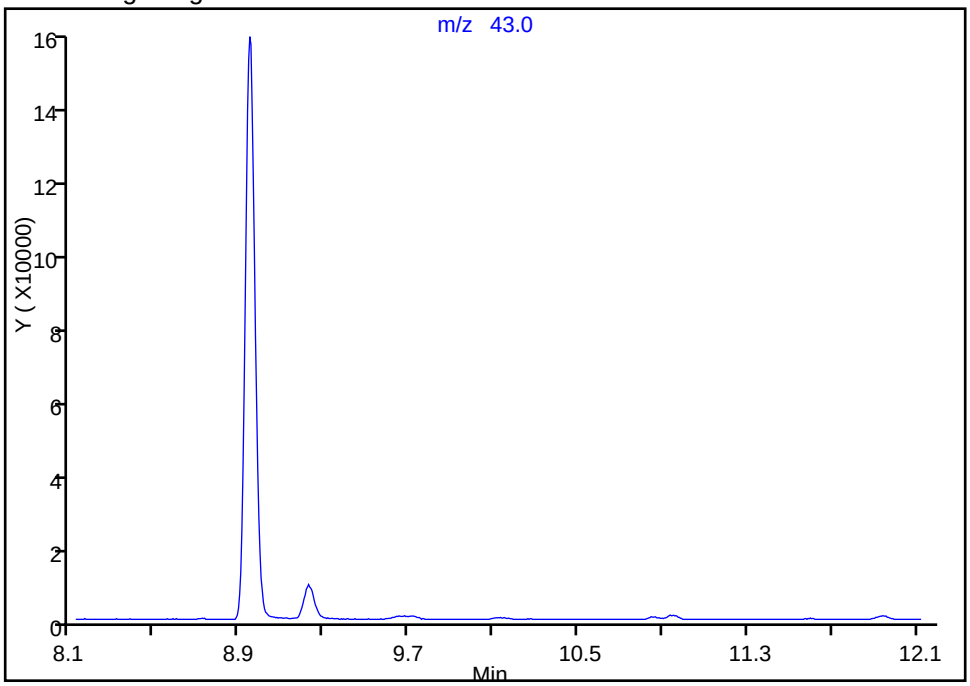
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

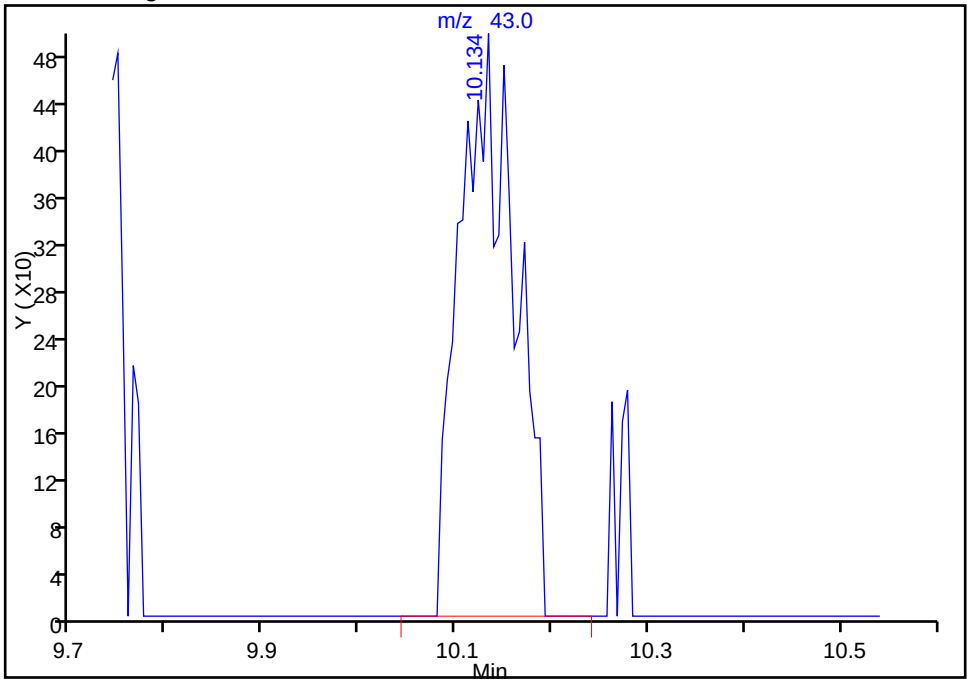
Processing Integration Results

RT: 10.12
Area: 0
Amount: 0.095421
Amount Units: ppb v/v



Manual Integration Results

RT: 10.13
Area: 1978
Amount: 0.215450
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:39:46
Audit Action: Manually Integrated
Audit Reason: Baseline

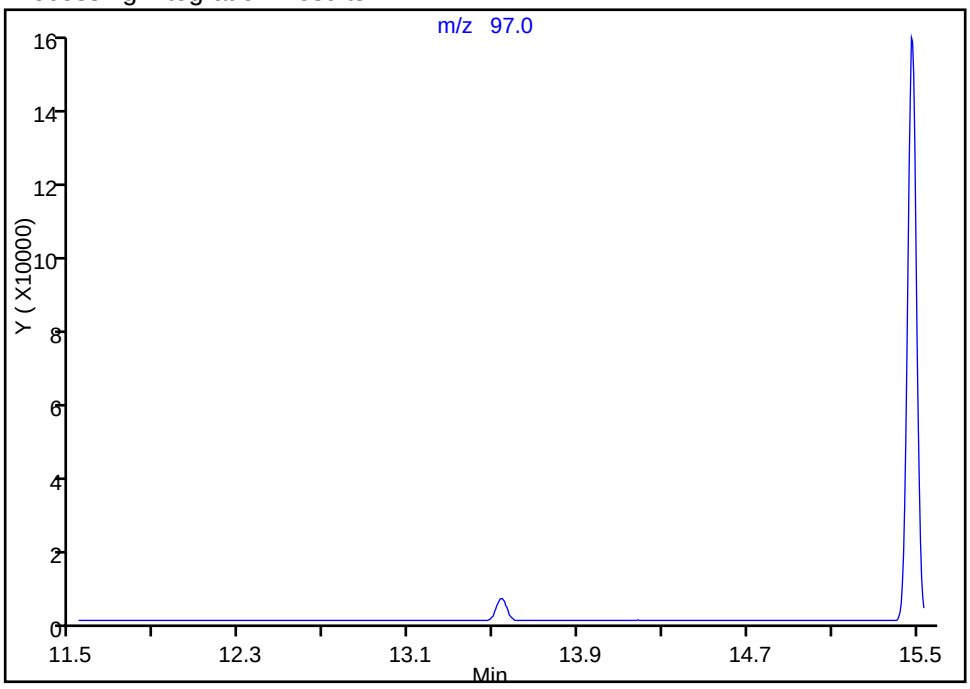
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 1,1,1-Trichloroethane, CAS: 71-55-6

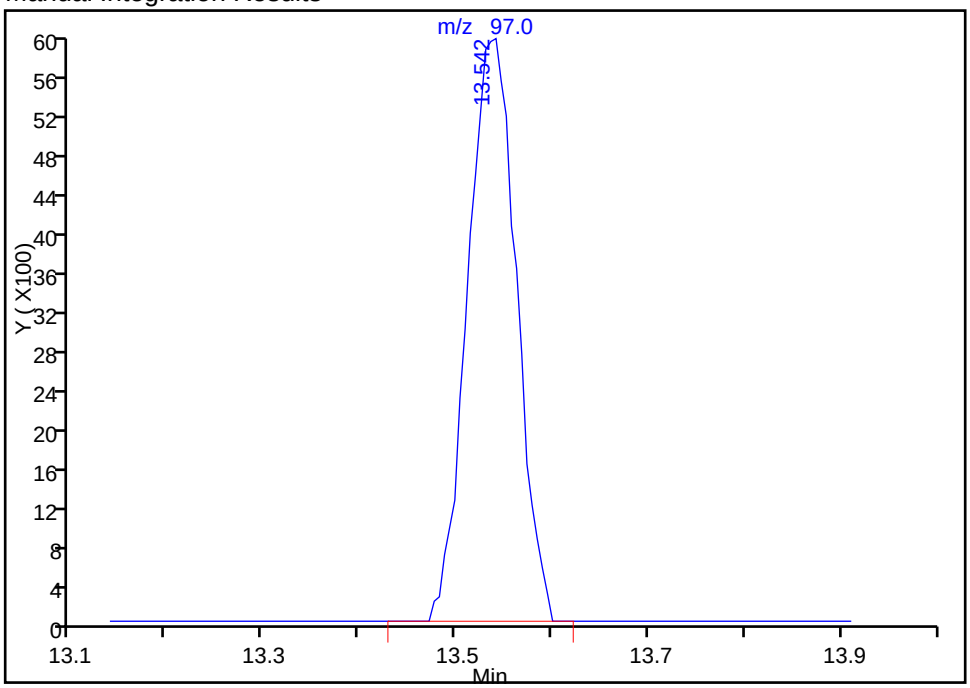
Not Detected
Expected RT: 13.54

Processing Integration Results



Manual Integration Results

RT: 13.54
Area: 20879
Amount: 0.298219
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:39:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

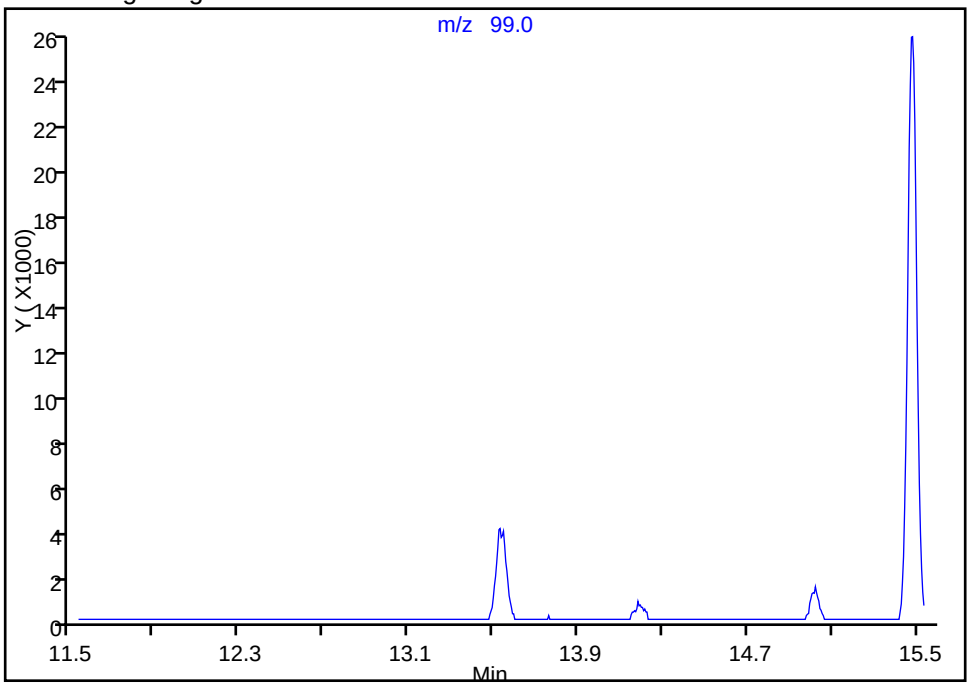
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 1,1,1-Trichloroethane, CAS: 71-55-6

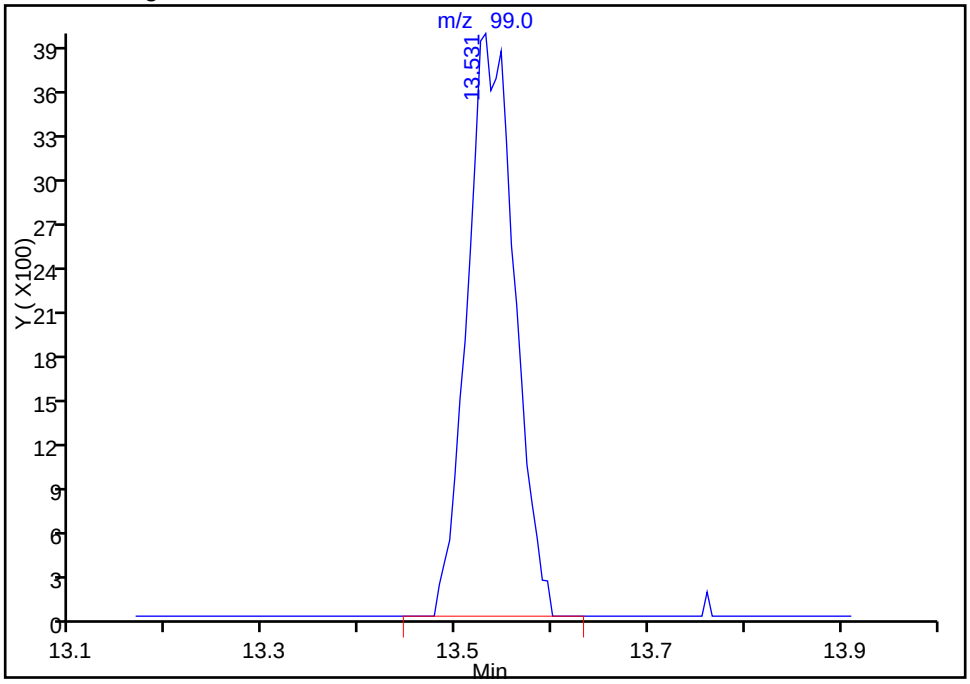
Not Detected
Expected RT: 13.54

Processing Integration Results



Manual Integration Results

RT: 13.53
Area: 13522
Amount: 0.298219
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:39:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

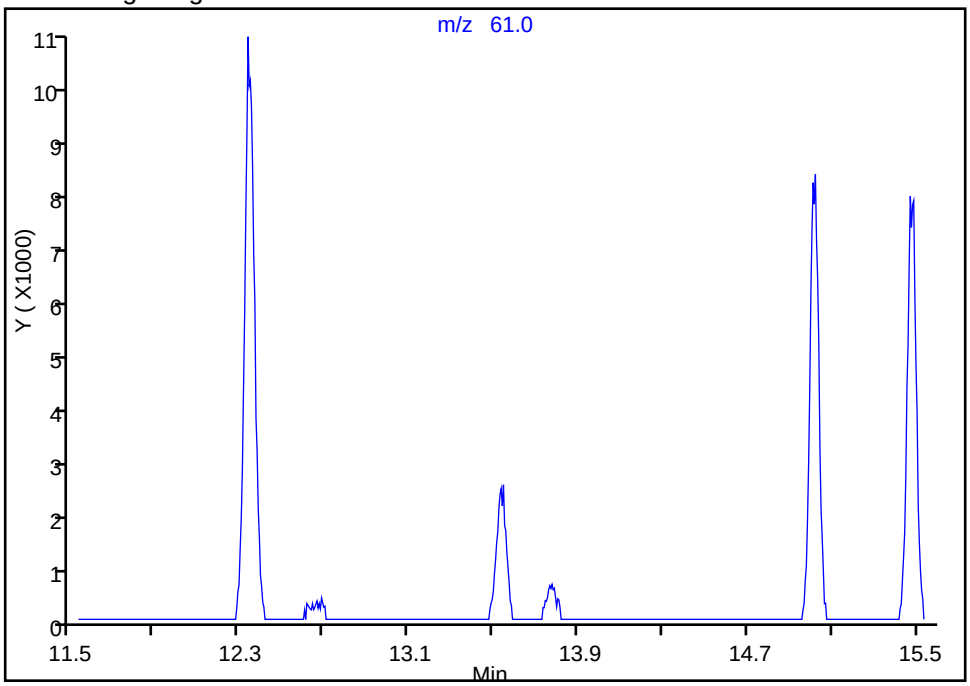
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_008.d				
Injection Date:	10-Sep-2015 14:13:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-1	Lab Sample ID:	200-29580-1		
Client ID:	774776CA01MA				
Operator ID:	wrd	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 1,1,1-Trichloroethane, CAS: 71-55-6

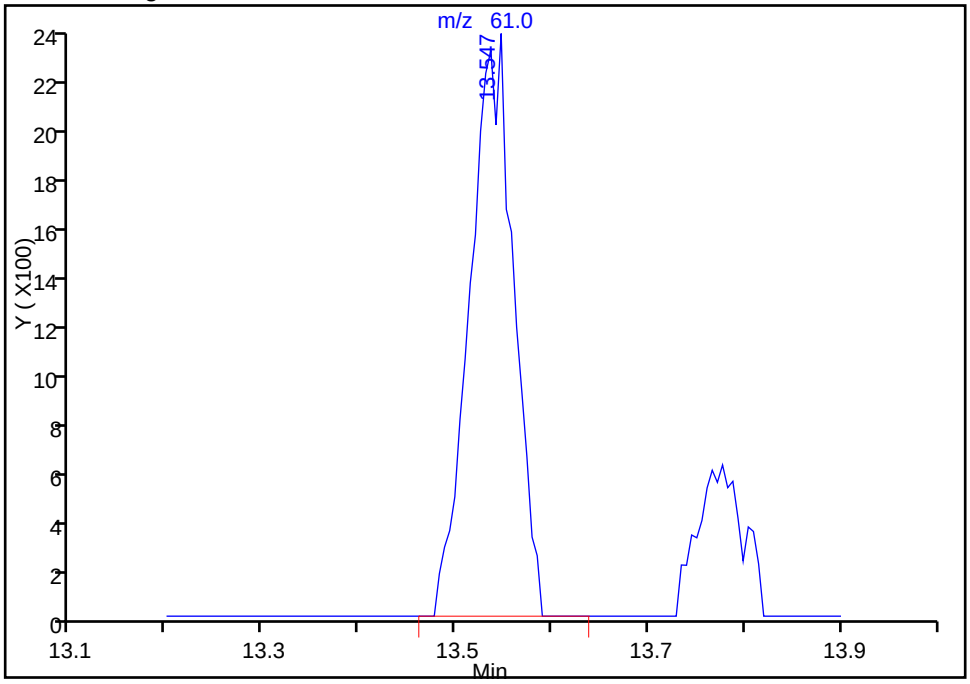
Processing Integration Results

Not Detected
Expected RT: 13.54



Manual Integration Results

RT: 13.55
Area: 7332
Amount: 0.298219
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:39:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786CA01MA Lab Sample ID: 200-29580-2

Matrix: Air Lab File ID: 15679_009.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:50

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:05

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	1.0		0.50	0.056
75-45-6	Freon 22	86.47	0.65		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.73		0.50	0.060
106-97-8	n-Butane	58.12	0.45	J M	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.073	J	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.46		0.20	0.045
76-13-1	Freon TF	187.38	0.14	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	7.1		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.43	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	1.4		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.21	J M	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.15	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.068	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.1		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.29	M	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.29	J	0.40	0.053
67-66-3	Chloroform	119.38	0.51		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.092	J M	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.16	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.037	J	0.20	0.023
71-43-2	Benzene	78.11	0.19	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786CA01MA Lab Sample ID: 200-29580-2

Matrix: Air Lab File ID: 15679_009.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:50

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:05

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	27		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.24		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.90		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.066	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.20	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.064	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.26	J	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.032	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786CA01MA Lab Sample ID: 200-29580-2

Matrix: Air Lab File ID: 15679_009.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:50

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:05

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.035	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786CA01MA Lab Sample ID: 200-29580-2

Matrix: Air Lab File ID: 15679_009.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:50

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:05

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	5.0		2.5	0.28
75-45-6	Freon 22	86.47	2.3		1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.5		1.0	0.12
106-97-8	n-Butane	58.12	1.1	J M	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.19	J	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	2.6		1.1	0.25
76-13-1	Freon TF	187.38	1.1	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	17		12	1.6
67-63-0	Isopropyl alcohol	60.10	1.1	J	12	0.37
75-15-0	Carbon disulfide	76.14	4.4		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.73	J M	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.46	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.24	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	3.3		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	1.2	M	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	1.1	J	1.6	0.21
67-66-3	Chloroform	119.38	2.5		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.50	J M	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	1.0	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.17	J	0.93	0.11
71-43-2	Benzene	78.11	0.61	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786CA01MA Lab Sample ID: 200-29580-2

Matrix: Air Lab File ID: 15679_009.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:50

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:05

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	140		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.89		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	6.1		1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.29	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.87	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.28	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	1.1	J	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.16	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786CA01MA Lab Sample ID: 200-29580-2

Matrix: Air Lab File ID: 15679_009.d

Analysis Method: TO-15 Date Collected: 08/28/2015 11:50

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:05

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.18	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Sample Type: Client
Inject. Date: 10-Sep-2015 15:05:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-009
Misc. Info.: 29580-2
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 10:43:01 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 10:43:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.393	4.415	-0.022	98	76817	1.00	
3 Chlorodifluoromethane	51	4.468	4.485	-0.017	96	22478	0.6521	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.993	4.998	-0.005	98	14518	0.7307	
6 Butane	43	5.292	5.287	0.010	98	13075	0.4514	M
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64	6.688	6.667	0.021	1	1066	0.0728	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.298	7.288	0.010	98	39173	0.4645	
20 1,1,2-Trichloro-1,2,2-trif	101	8.588	8.593	-0.005	96	9098	0.1433	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.978	8.946	0.032	96	218929	7.10	
23 Carbon disulfide	76	9.171	9.166	0.005	98	104140	1.41	
24 Isopropyl alcohol	45	9.256	9.224	0.032	95	11438	0.4293	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.941	9.952	0.010	84	5039	0.2101	M
28 2-Methyl-2-propanol	59	10.139	10.123	0.016	95	6470	0.1532	
S 30 1,2-Dichloroethene, Total	61				0		0.2919	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.861	10.856	0.005	87	2632	0.0678	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96	12.637	12.637	0.016	81	10478	0.2919	M
38 2-Butanone (MEK)	72	12.675	12.654	0.021	96	17658	1.13	
* 40 Chlorobromomethane	128	13.124	13.114	0.010	71	237623	10.0	
41 Tetrahydrofuran	42	13.130	13.114	0.016	30	3475	0.1559	
42 Chloroform	83	13.226	13.221	0.005	94	32071	0.5119	
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97	13.541	13.536	0.005	47	6234	0.0923	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.793	13.788	0.005	97	11234	0.1645	
46 Isooctane	57	14.199	14.189	0.010	94	4607	0.0368	
47 Benzene	78	14.258	14.259	0.000	94	18462	0.1923	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.029	15.018	0.011	92	1115752	10.0	
53 Trichloroethene	95	15.489	15.484	0.005	94	1205232	26.7	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43		17.629				ND	
65 Toluene	92	17.966	17.960	0.006	92	17988	0.2357	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166	18.998	18.993	0.005	95	74249	0.8974	
69 2-Hexanone	43	19.260	19.266	-0.006	97	5196	0.1063	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		0.2639	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1058404	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.903	20.903	0.000	96	10944	0.0660	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	100	13728	0.1998	
79 o-Xylene	106	21.807	21.807	0.000	98	4542	0.0641	
80 Styrene	104	21.844	21.839	0.005	76	1157	0.0107	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.358	22.353	0.005	91	2740	0.0136	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91		22.979				ND	
88 4-Ethyltoluene	105		23.144				ND	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	91	1770	0.0100	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	95	5717	0.0321	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119		24.268				ND	
96 1,3-Dichlorobenzene	146		24.337				ND	
97 1,4-Dichlorobenzene	146		24.487				ND	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.777	28.772	0.005	97	7558	0.0350	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

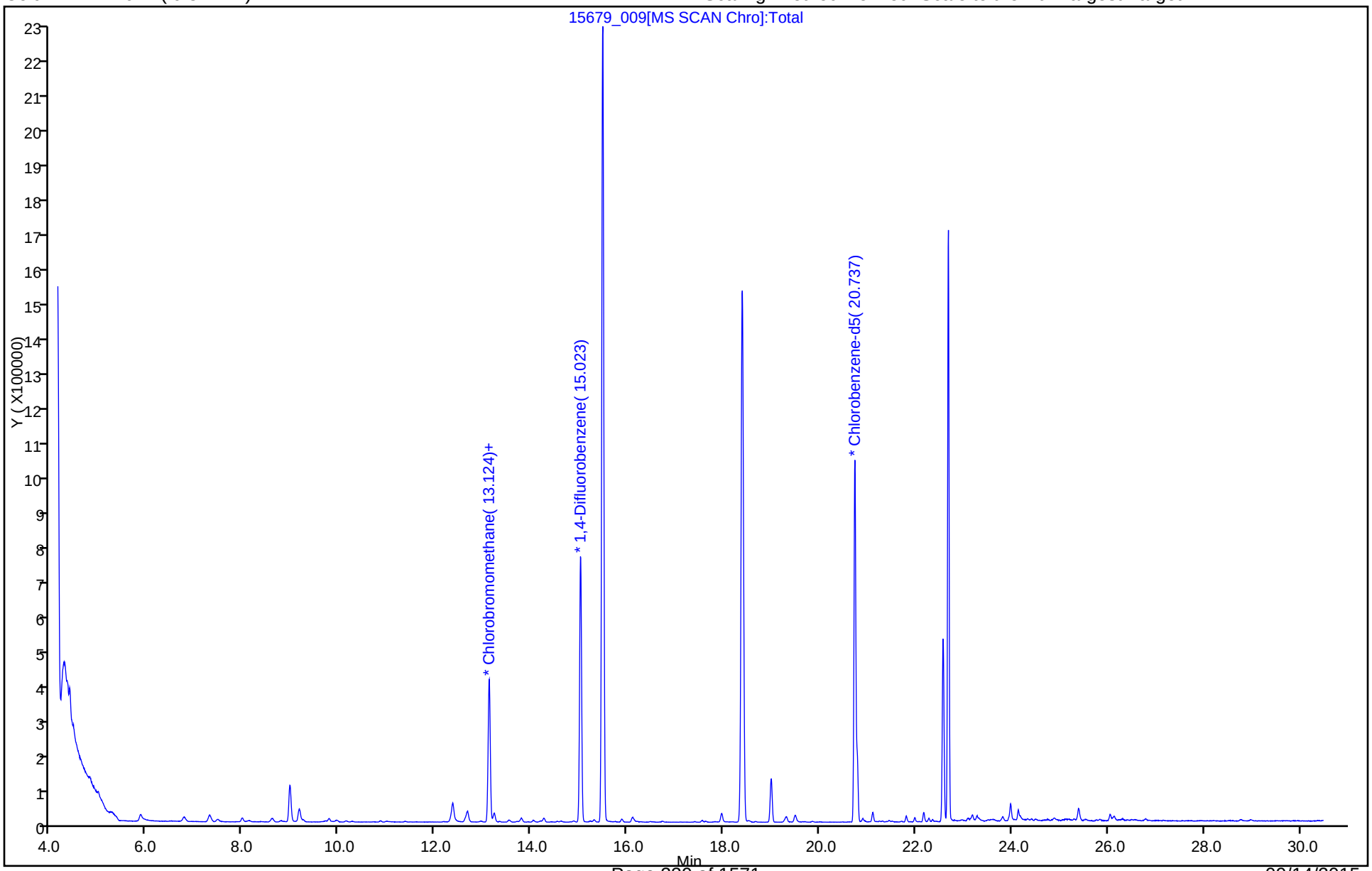
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 11-Sep-2015 10:43:02 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2	Worklist Smp#:	9
Client ID:	785786CA01MA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

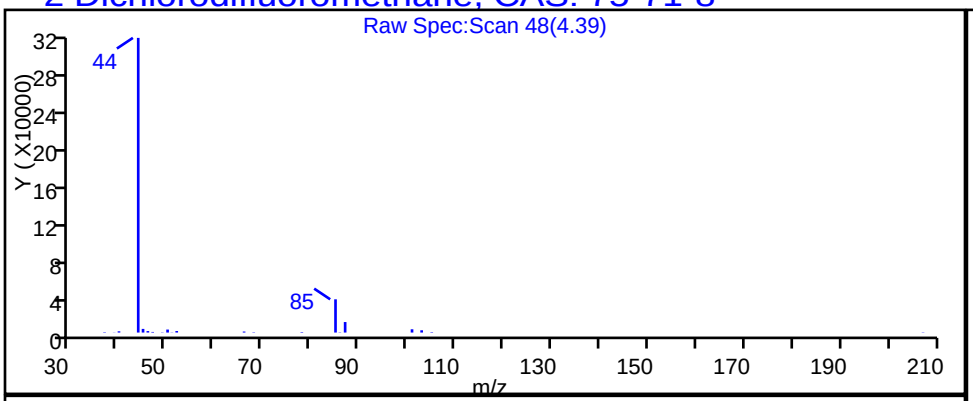
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

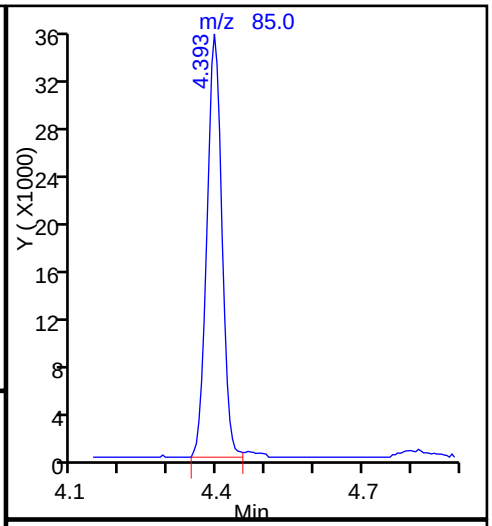


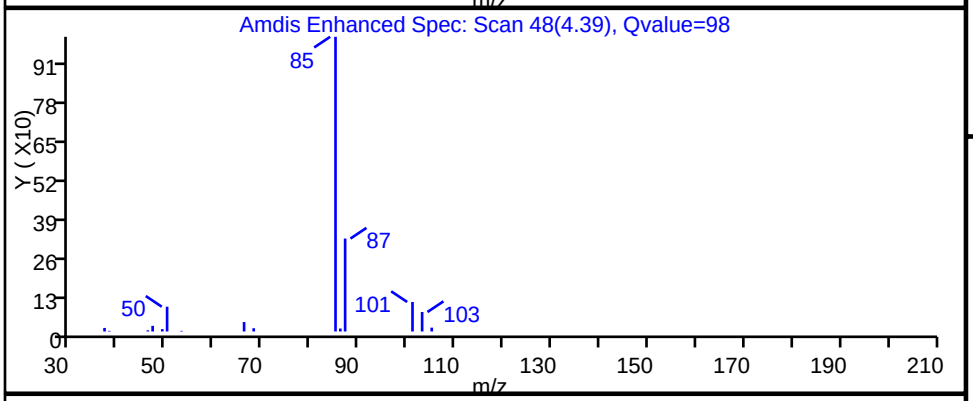
TestAmerica Burlington

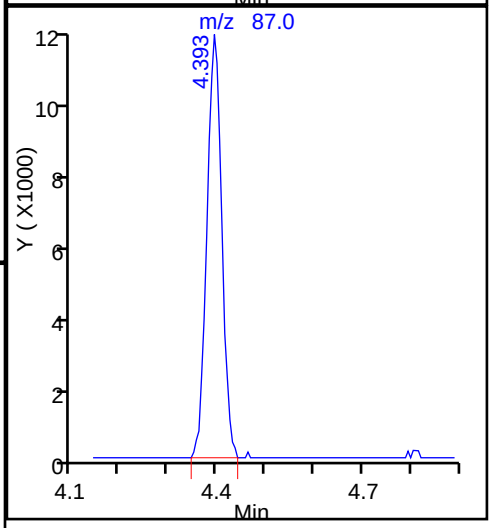
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

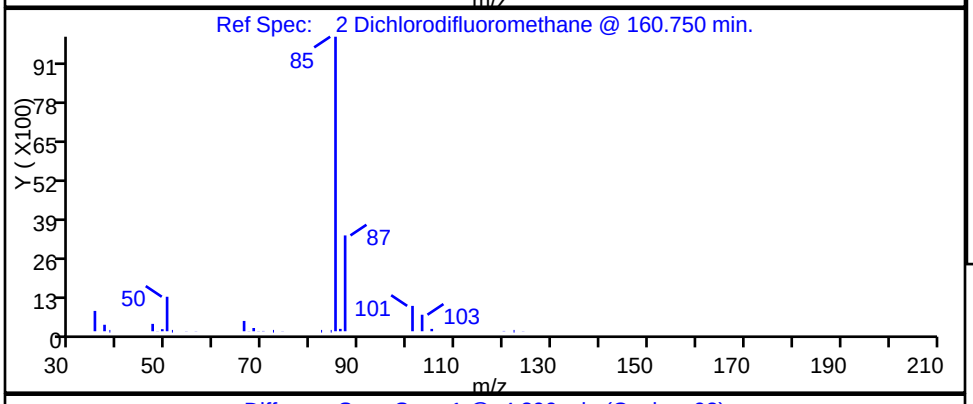
2 Dichlorodifluoromethane, CAS: 75-71-8

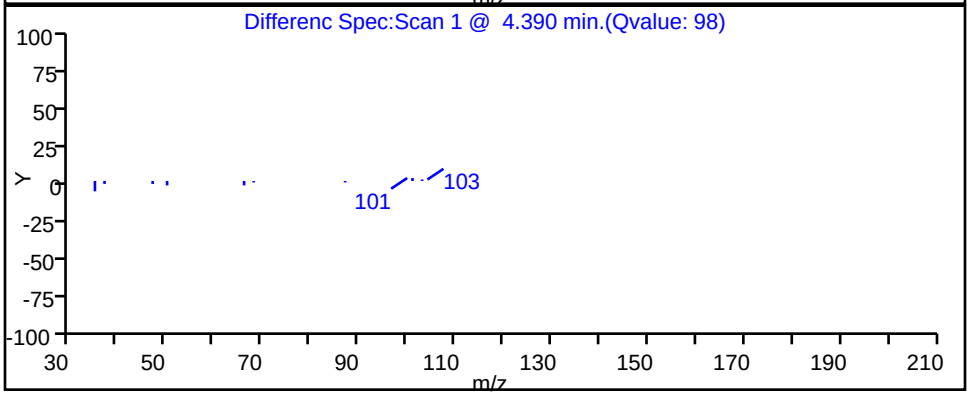






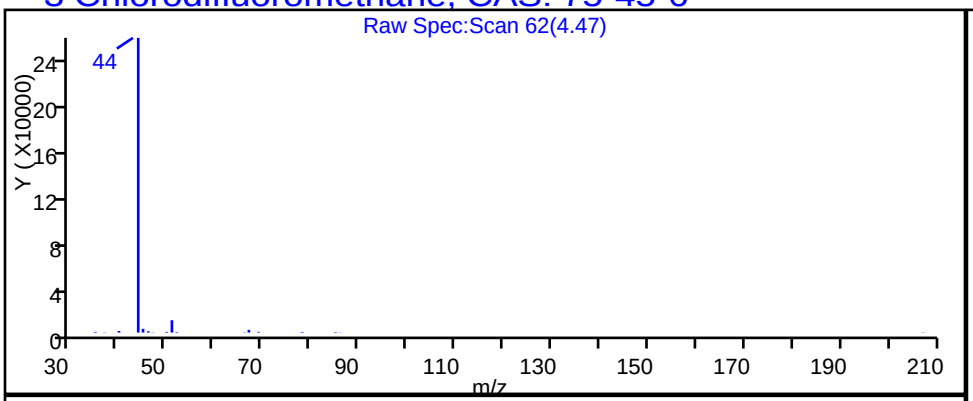


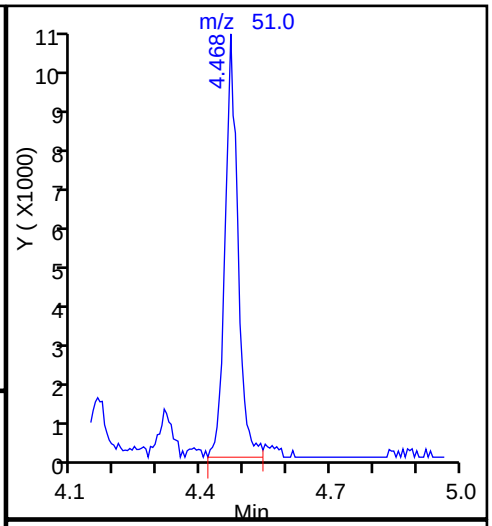


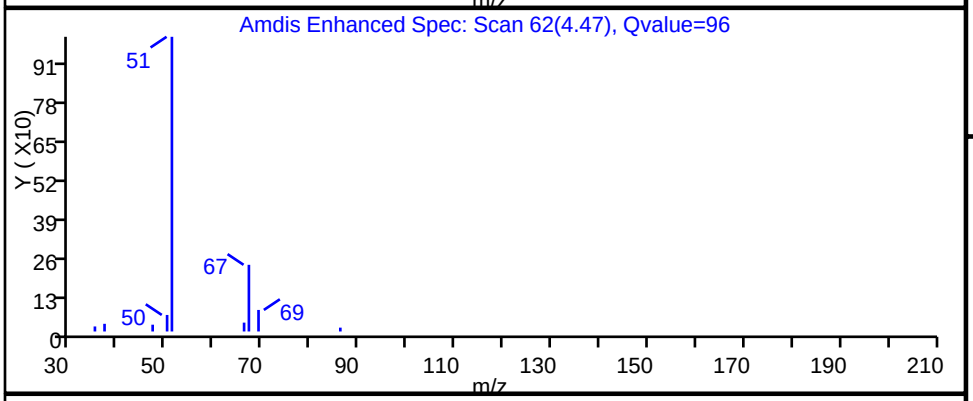


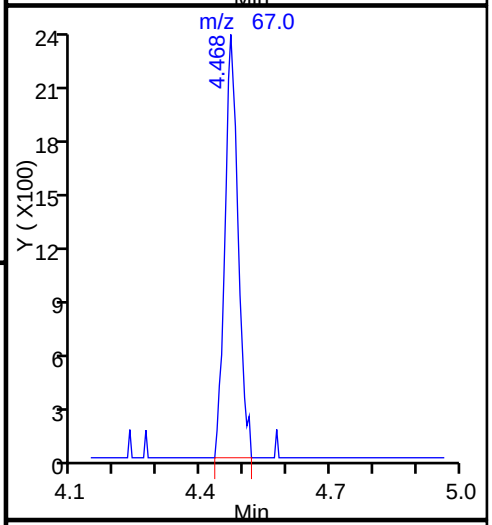
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

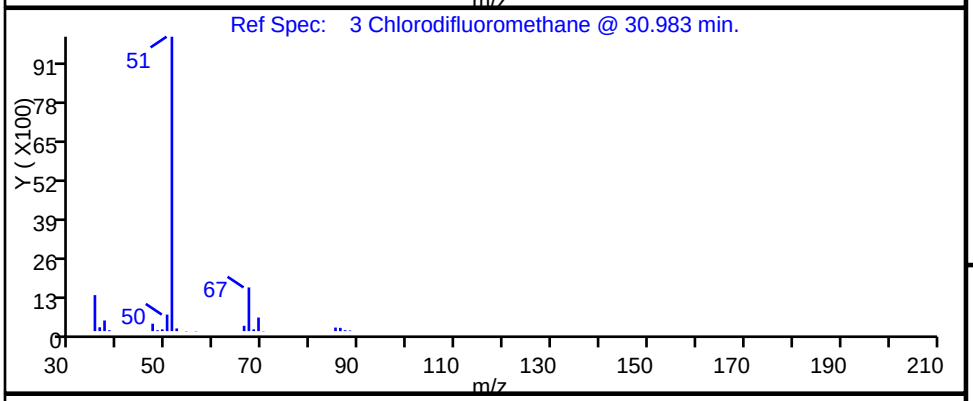
3 Chlorodifluoromethane, CAS: 75-45-6

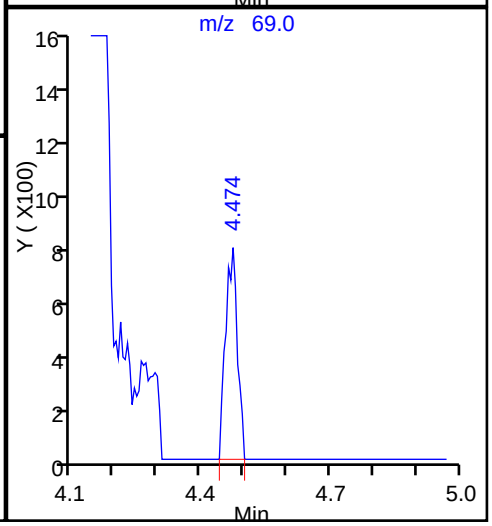


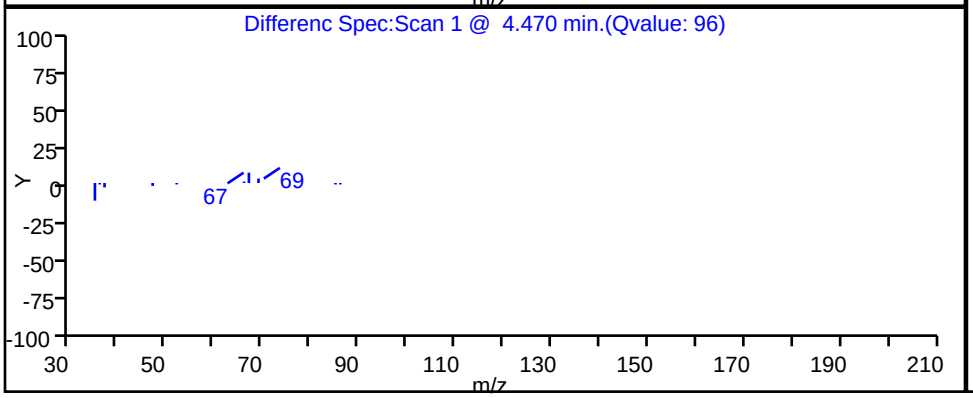








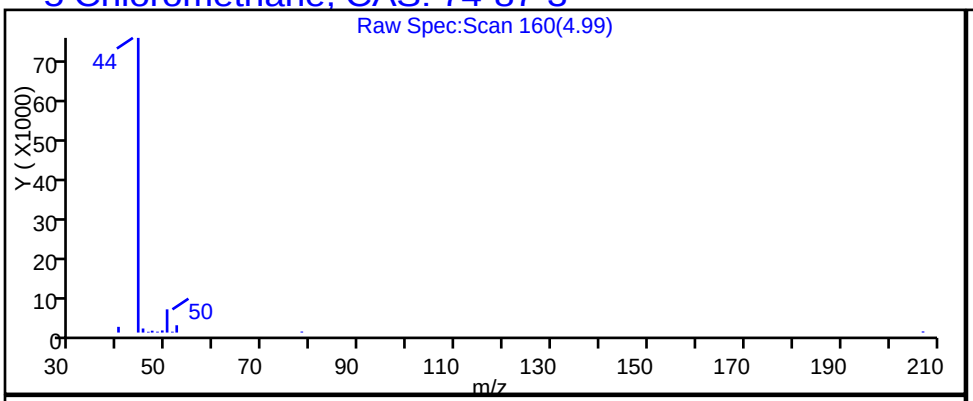


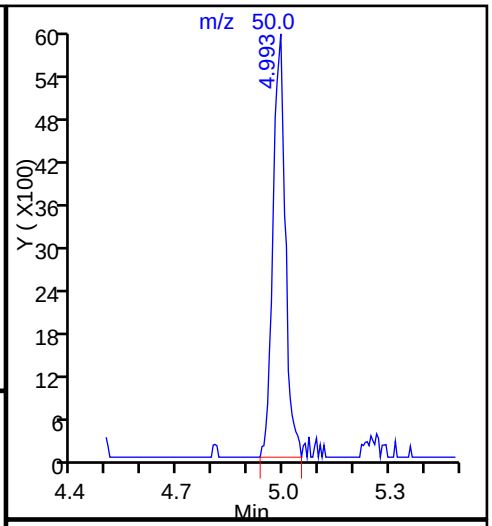


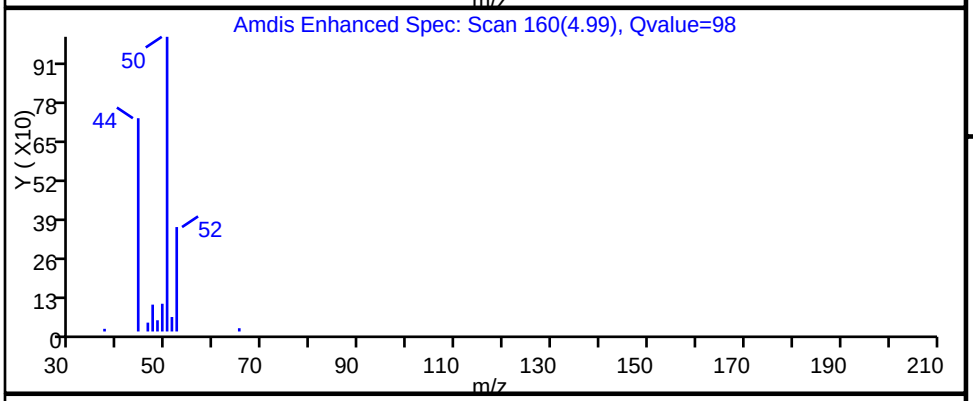
TestAmerica Burlington

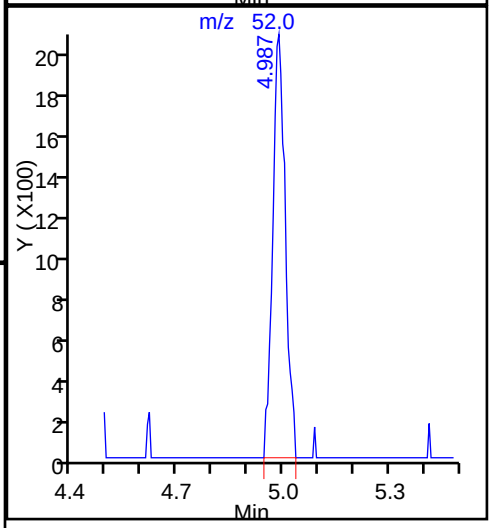
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

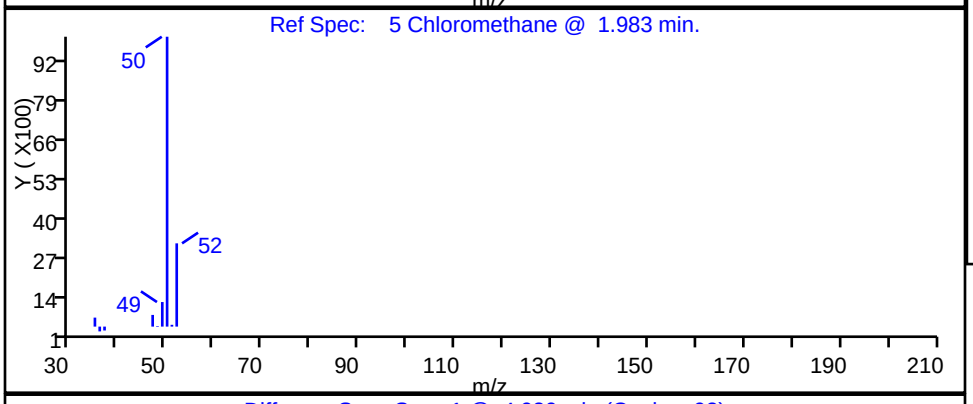
5 Chloromethane, CAS: 74-87-3

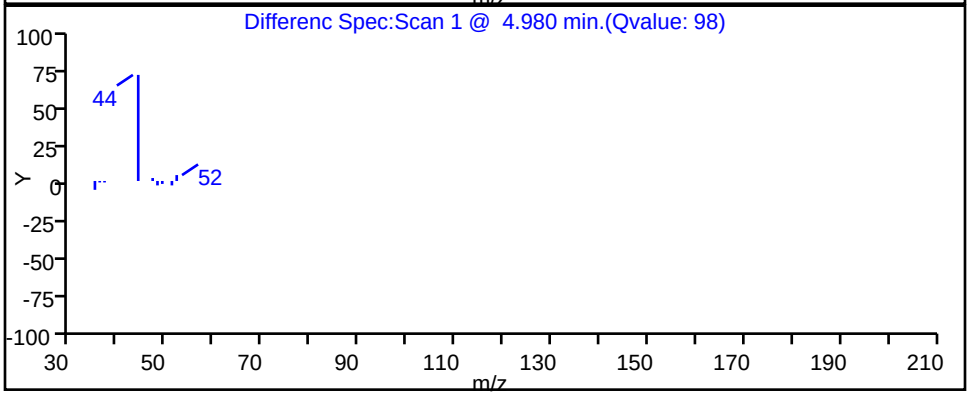








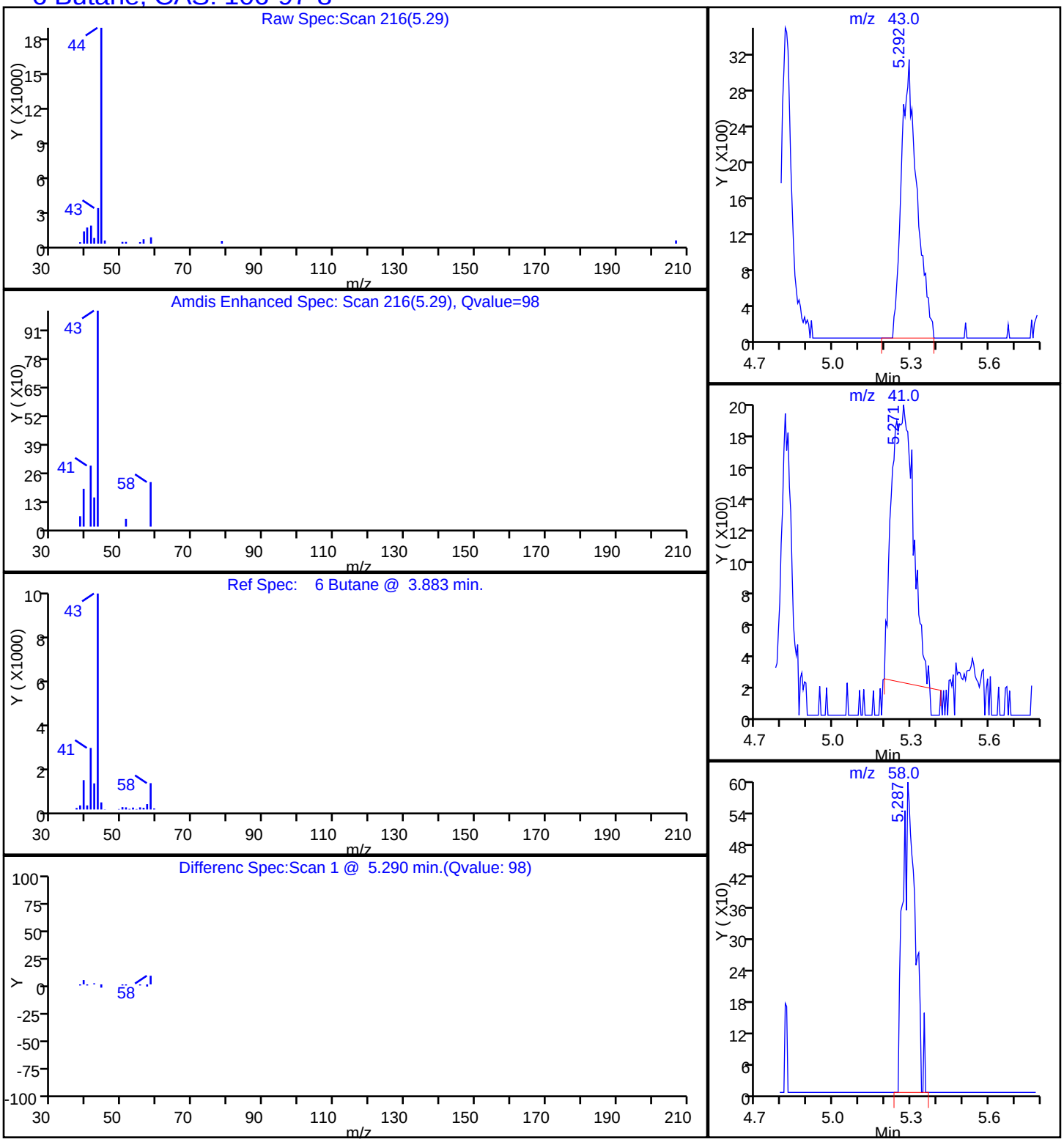




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

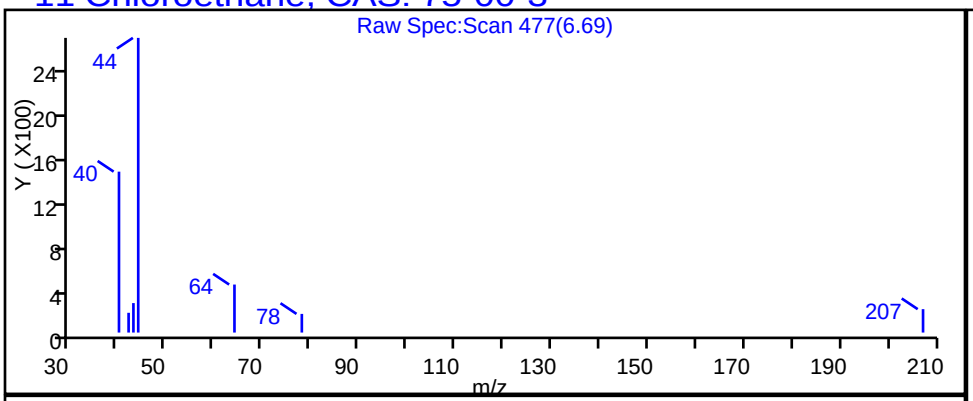
6 Butane, CAS: 106-97-8

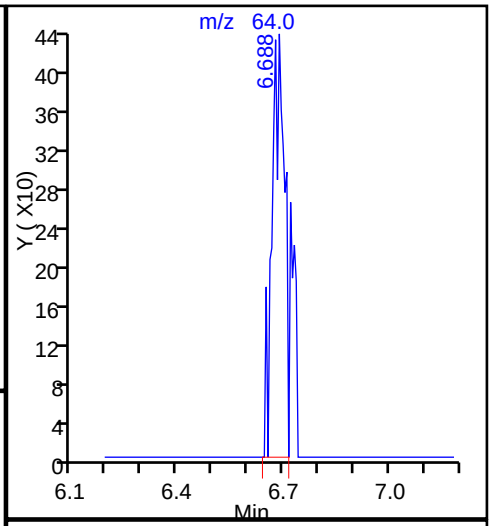


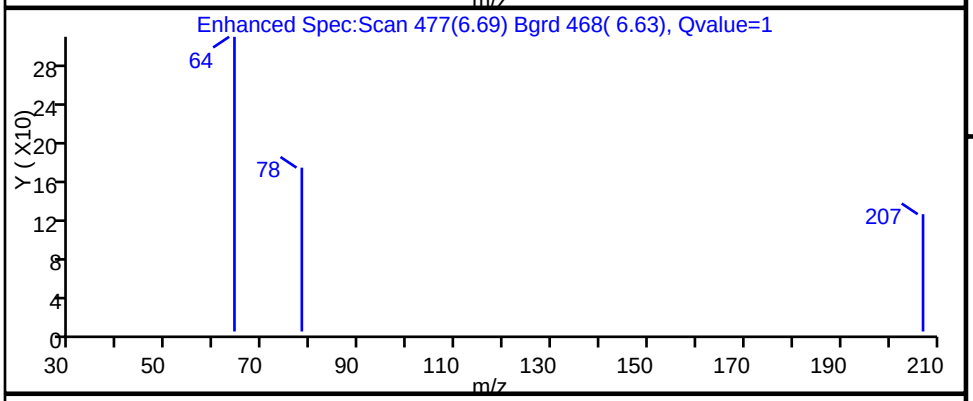
TestAmerica Burlington

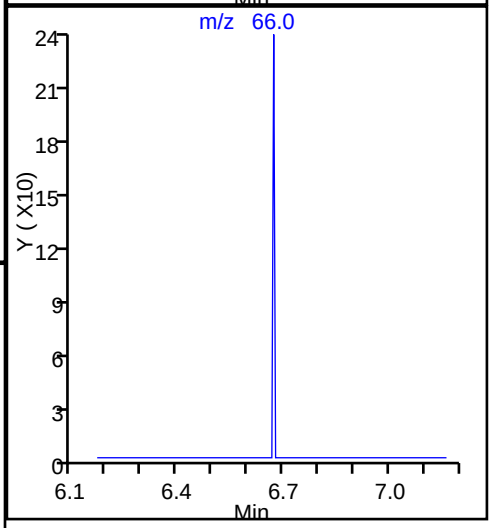
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

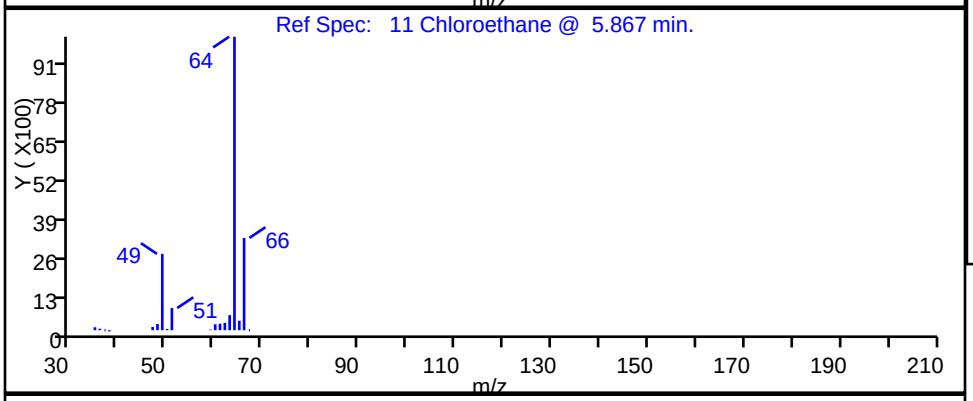
11 Chloroethane, CAS: 75-00-3

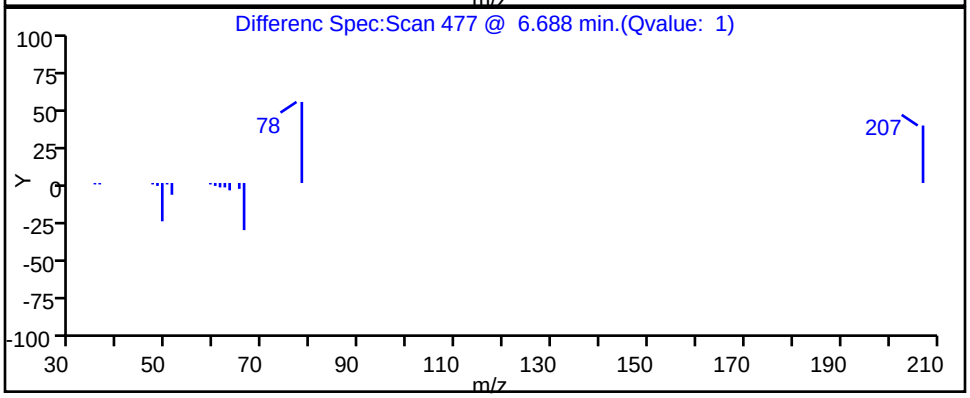






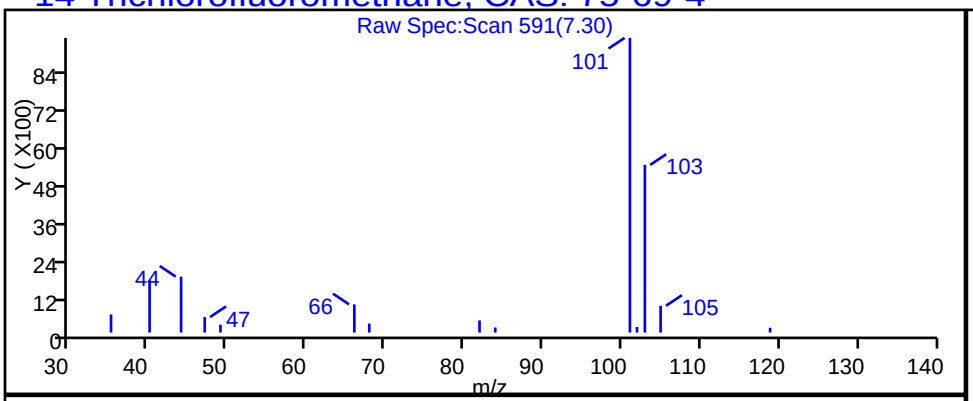


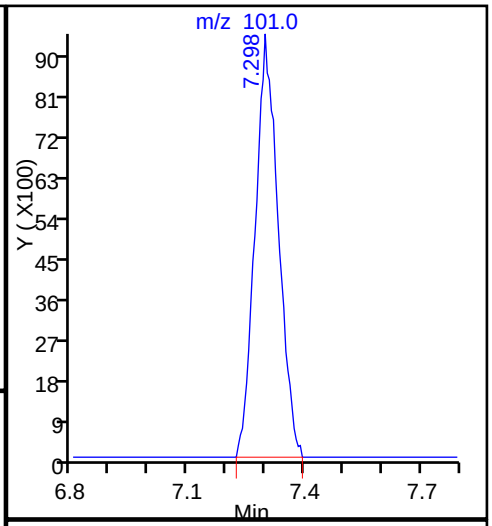


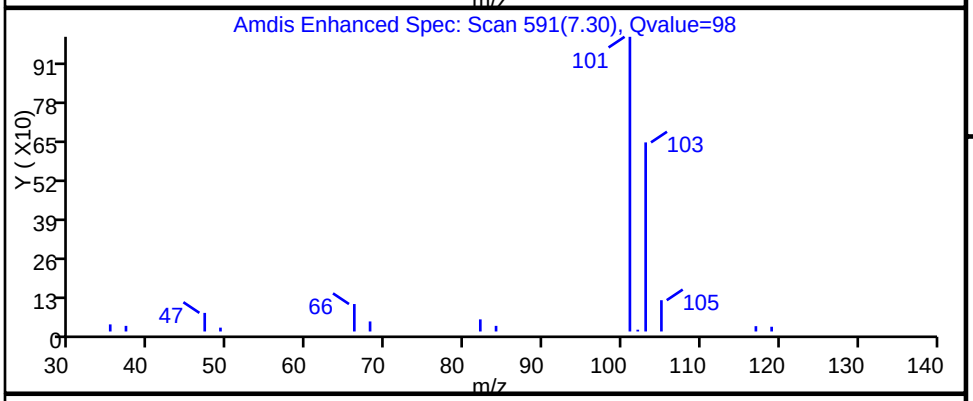


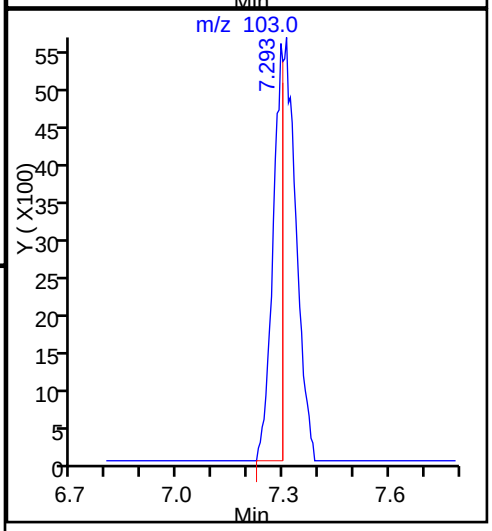
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

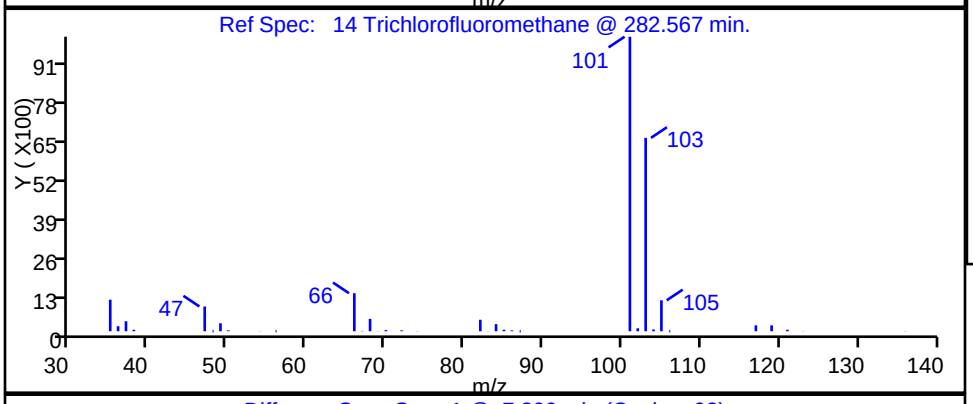
14 Trichlorofluoromethane, CAS: 75-69-4

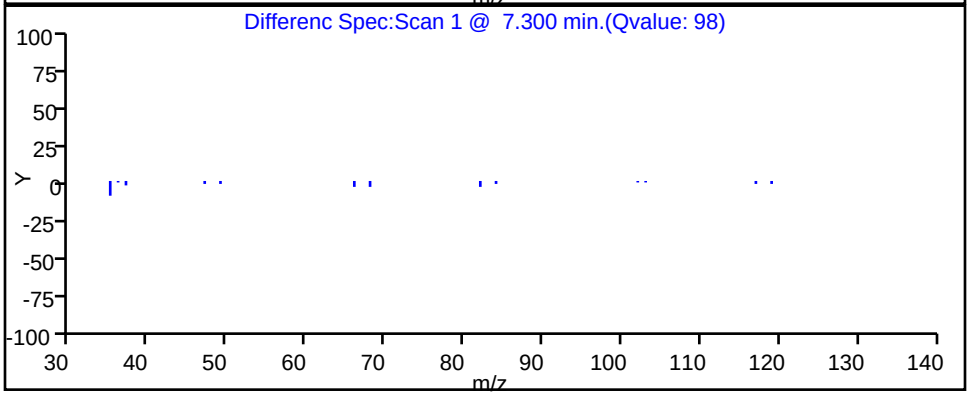






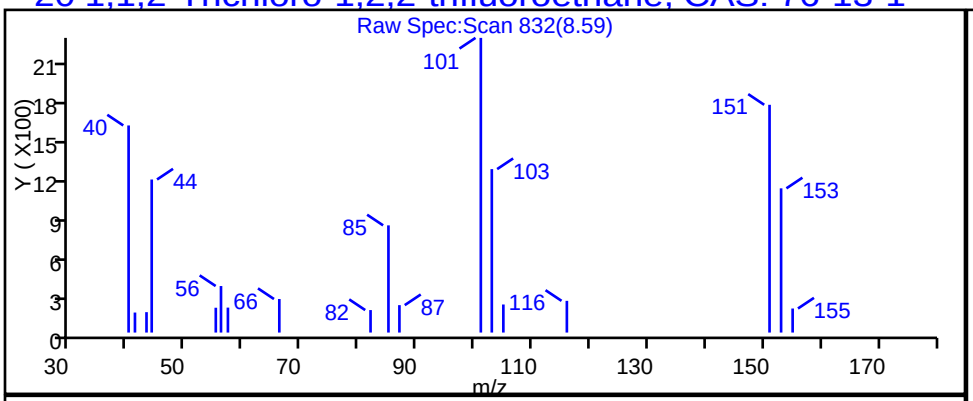


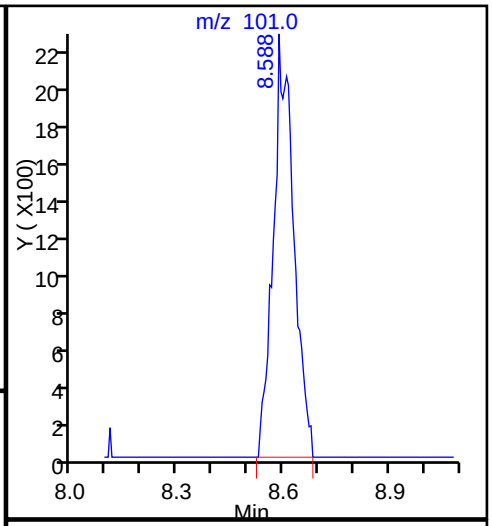


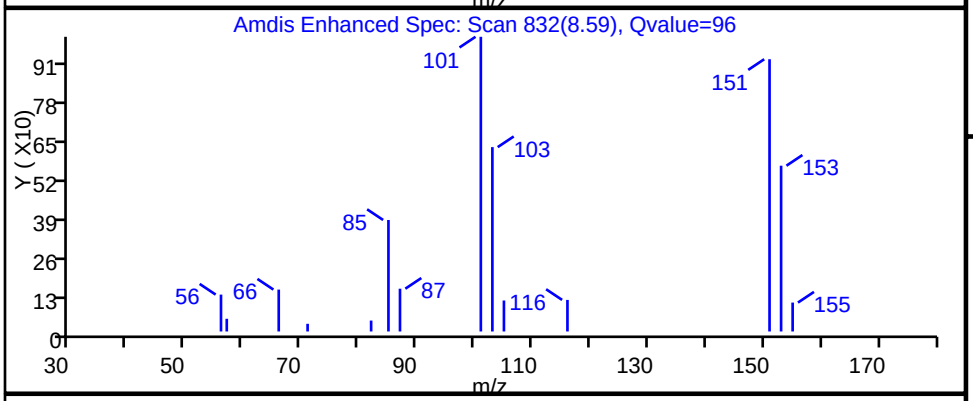


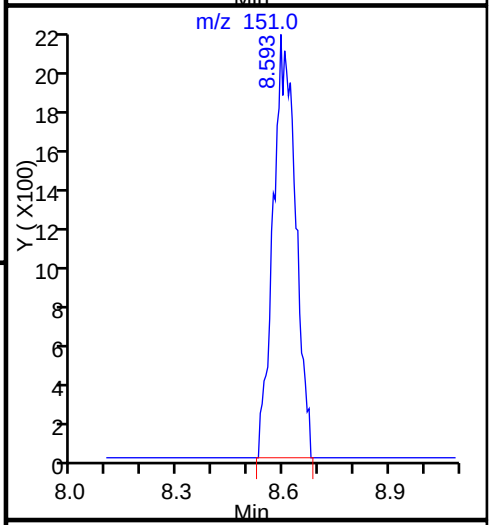
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

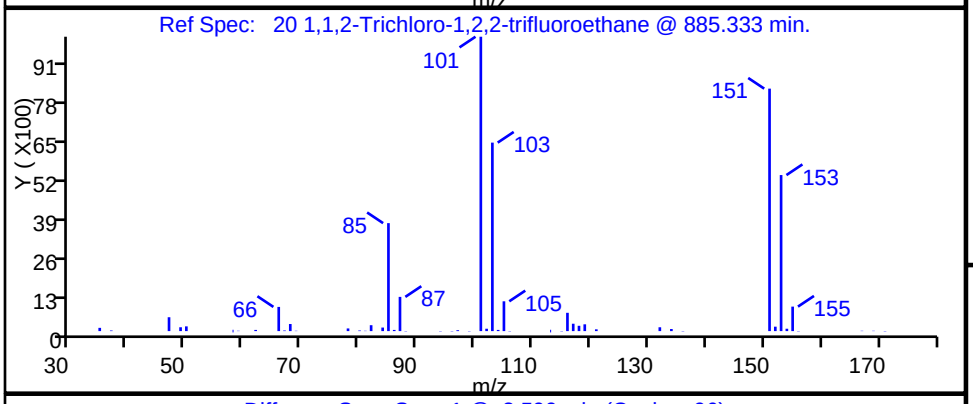
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

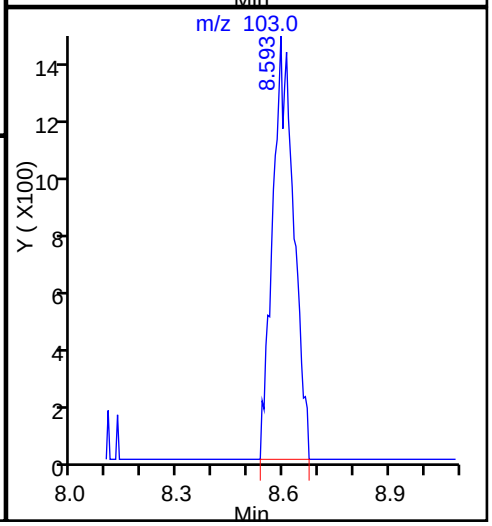


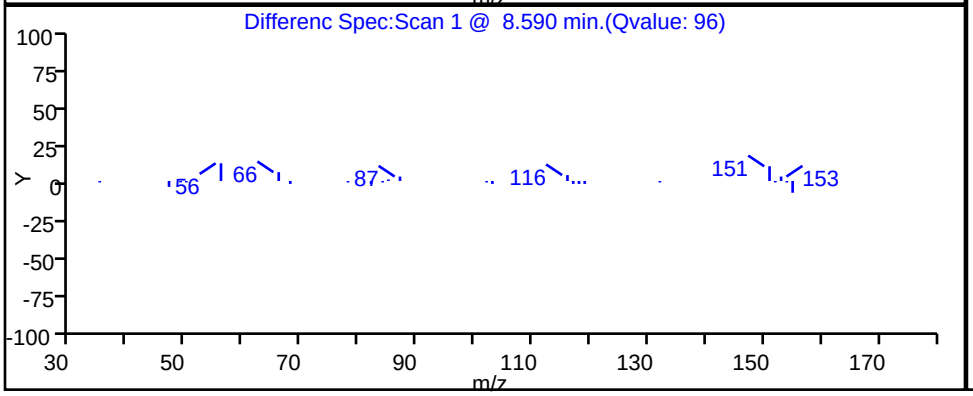






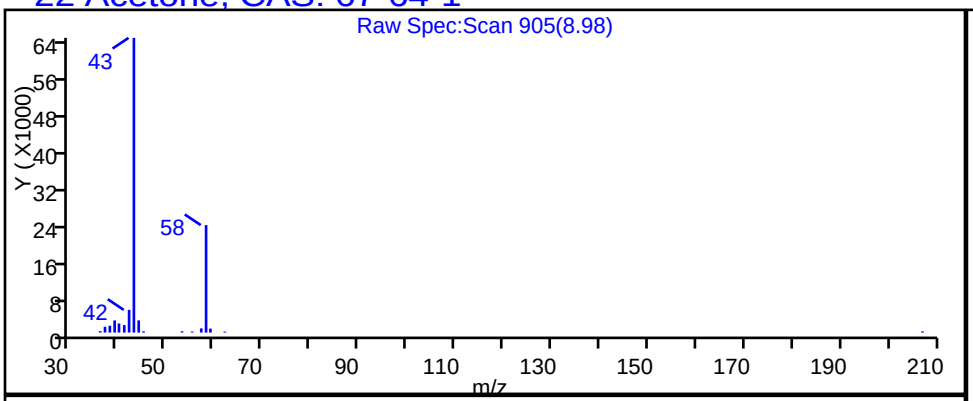


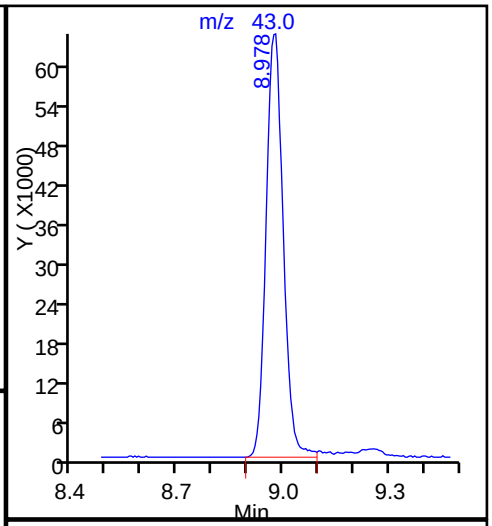


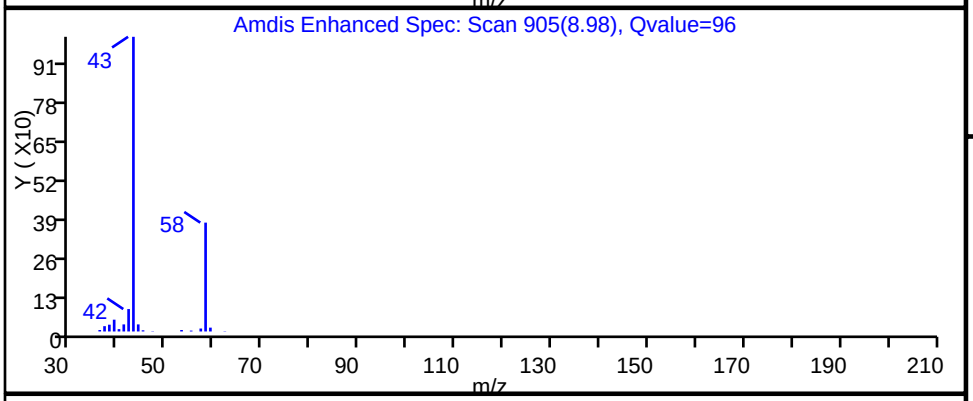


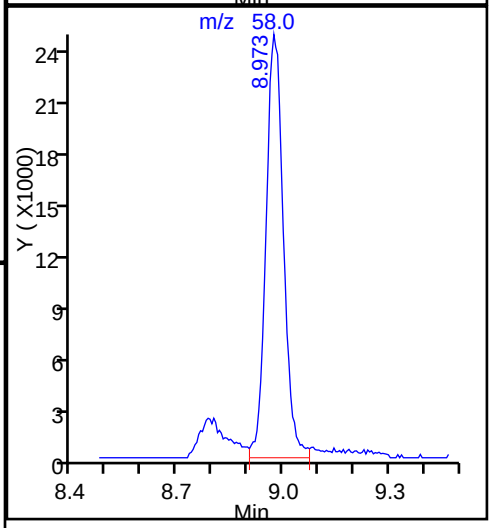
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

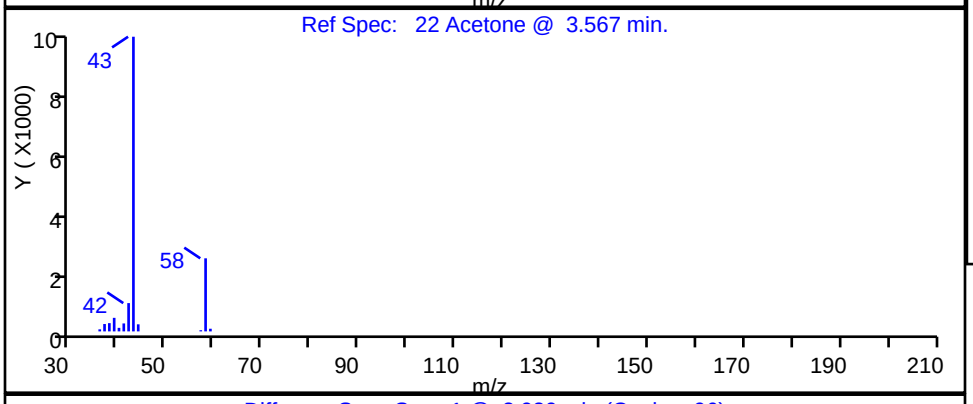
22 Acetone, CAS: 67-64-1

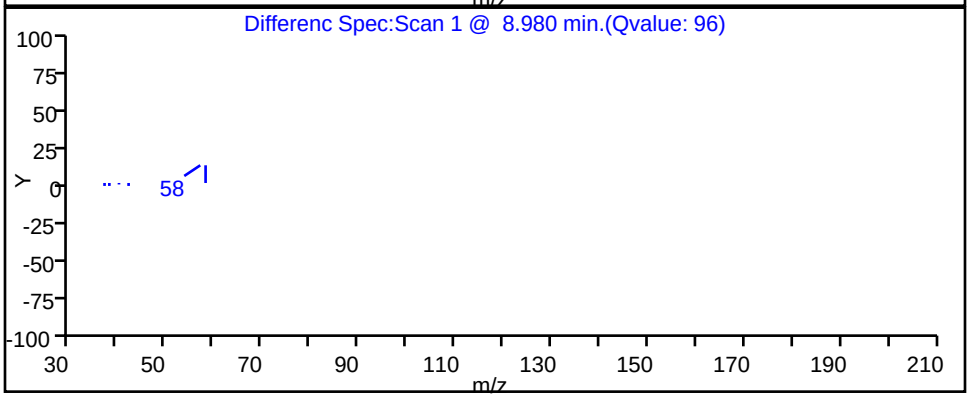






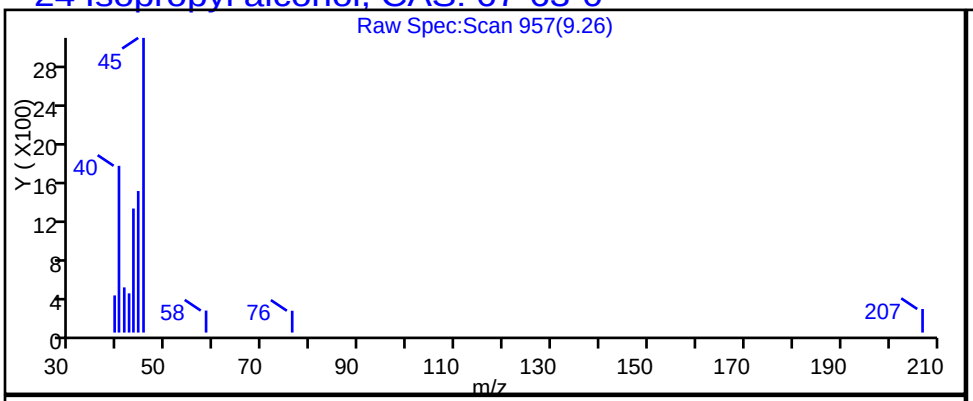


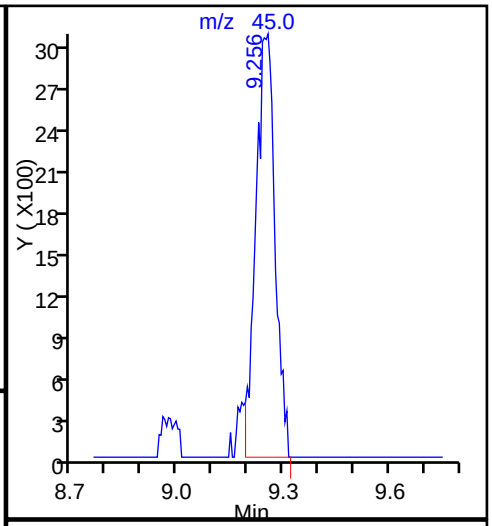


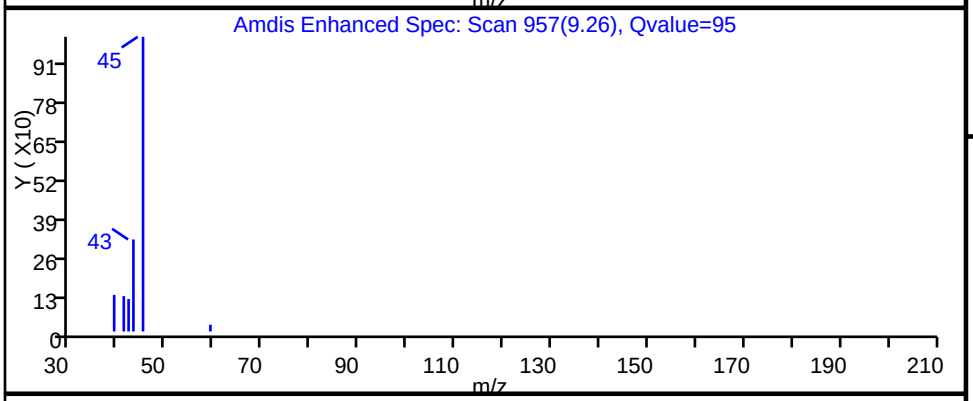


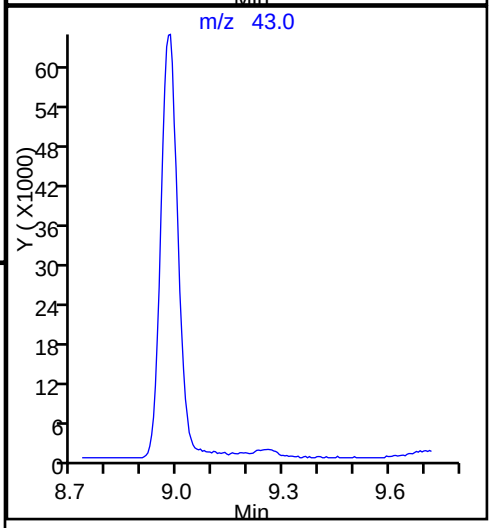
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

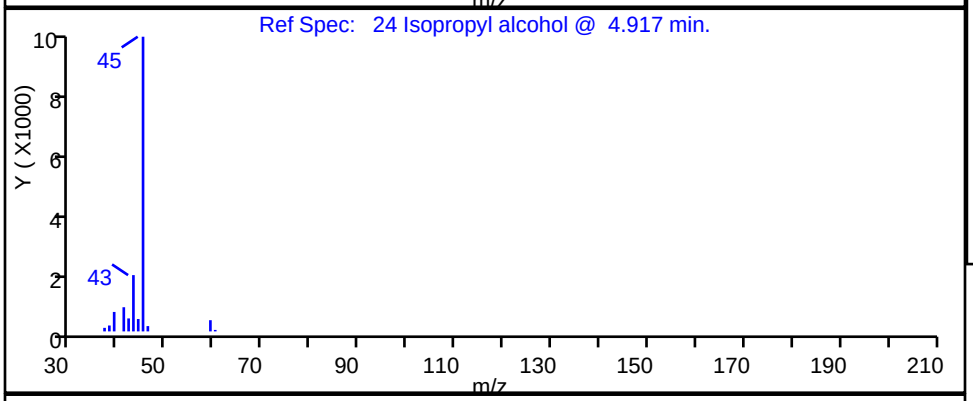
24 Isopropyl alcohol, CAS: 67-63-0

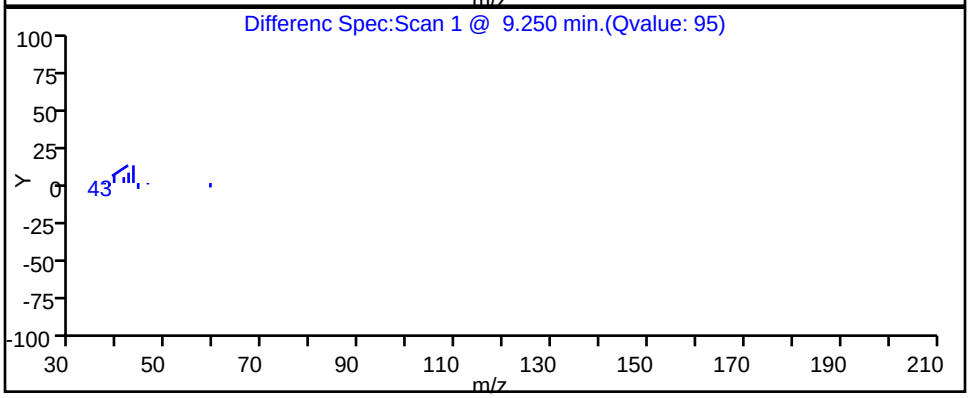








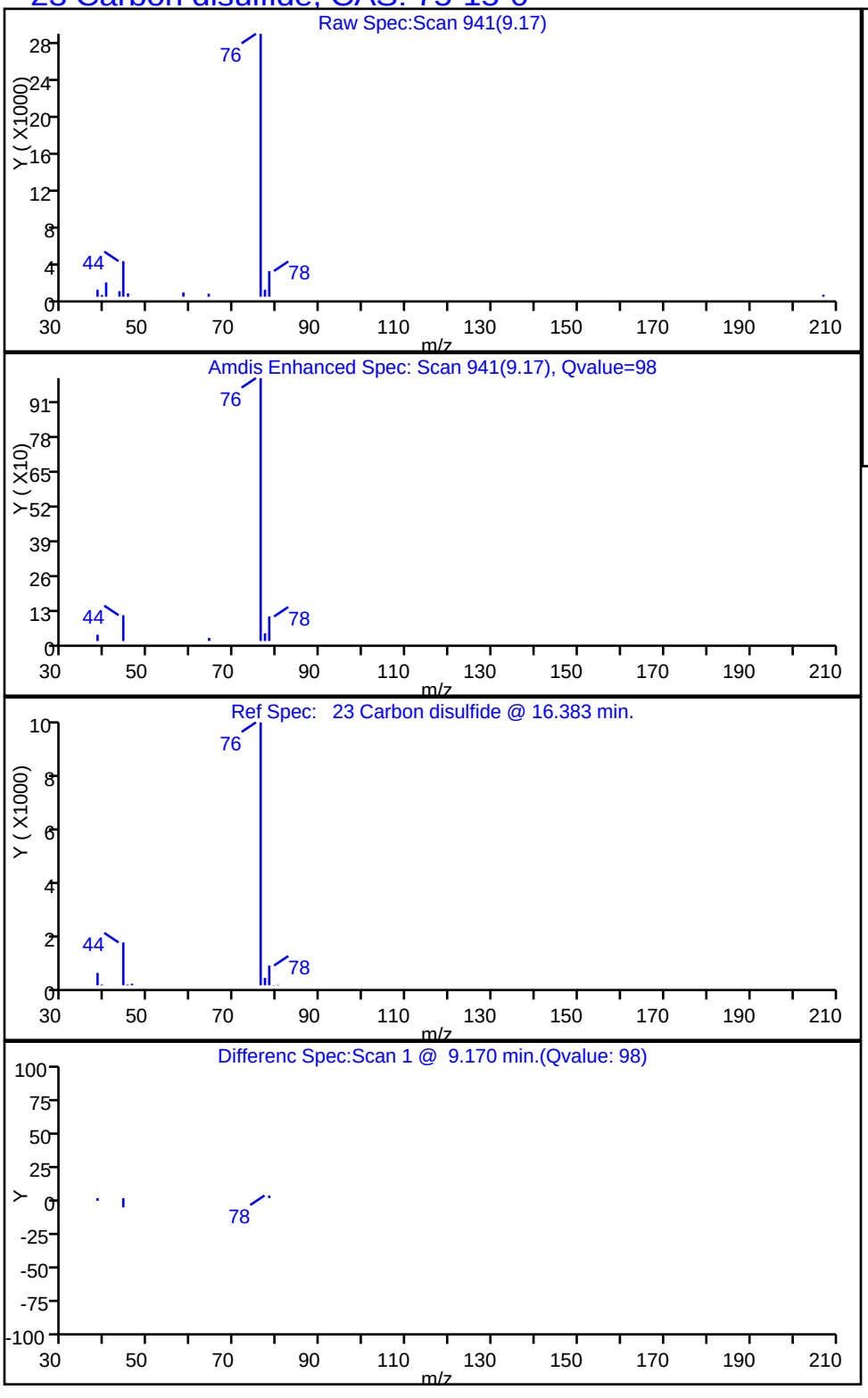


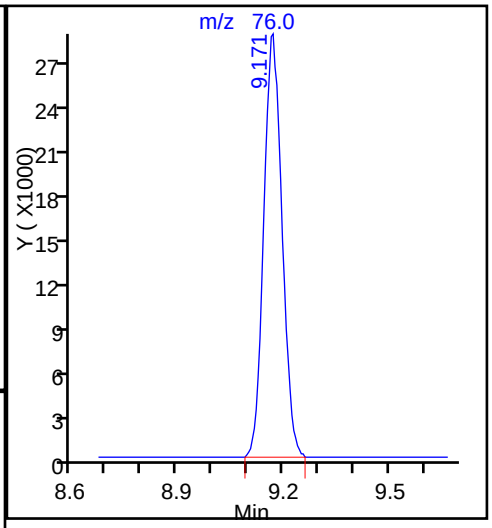


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

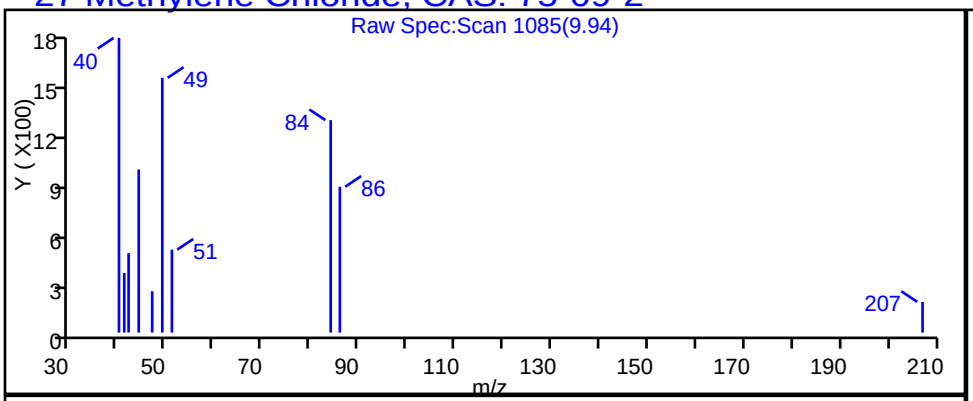


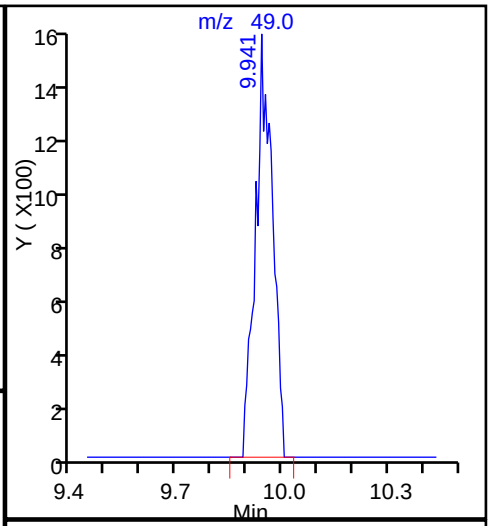


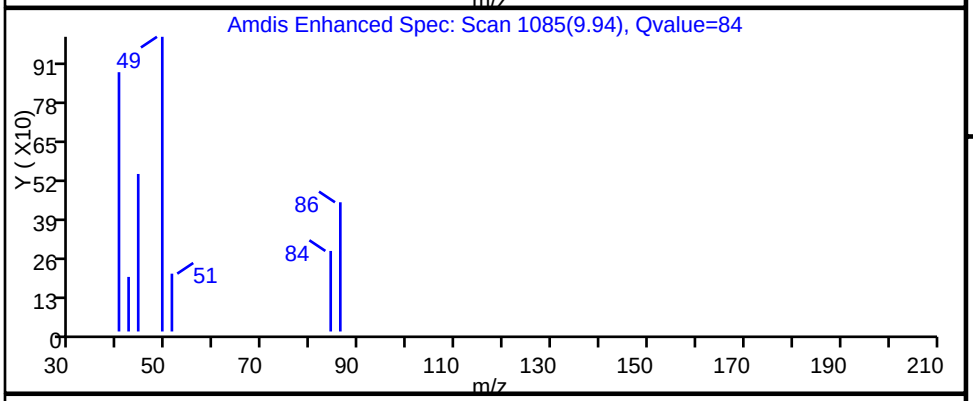
TestAmerica Burlington

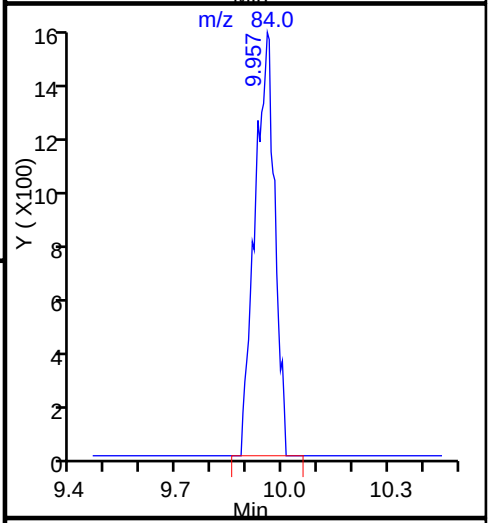
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

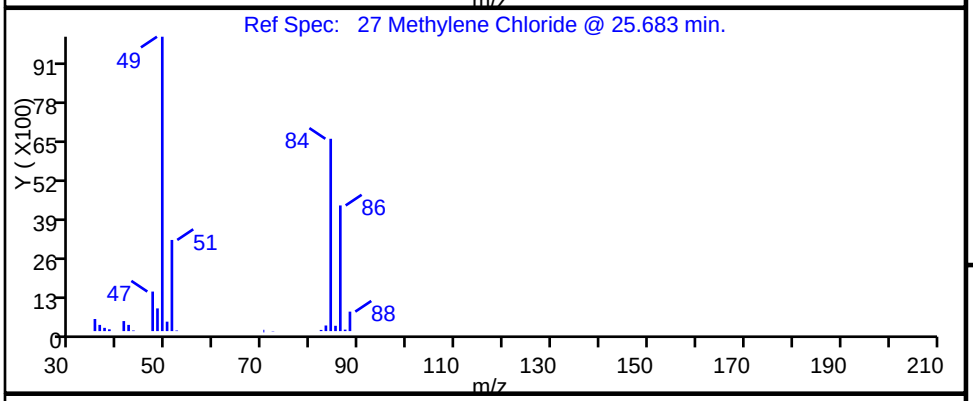
27 Methylene Chloride, CAS: 75-09-2

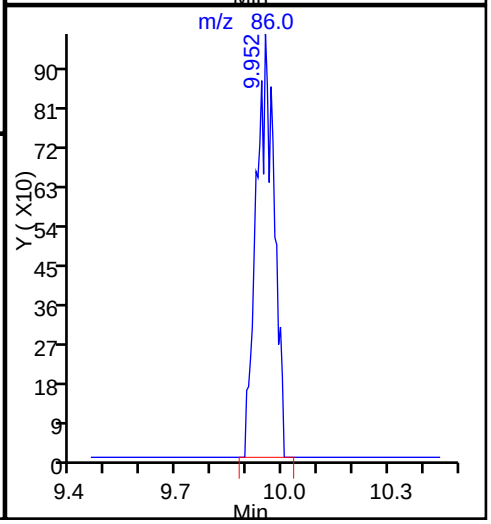


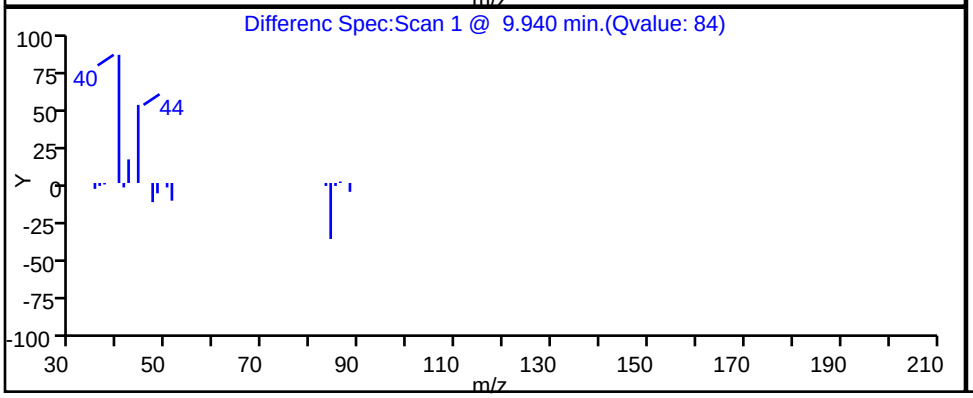








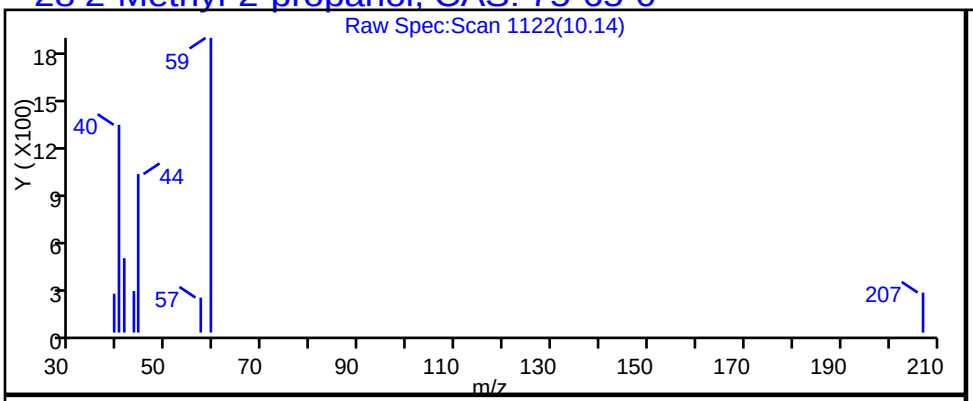


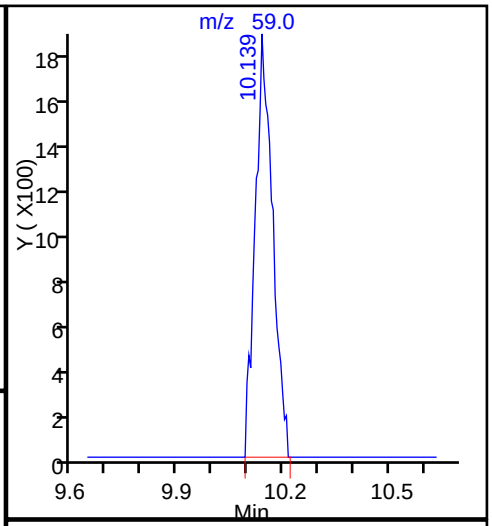


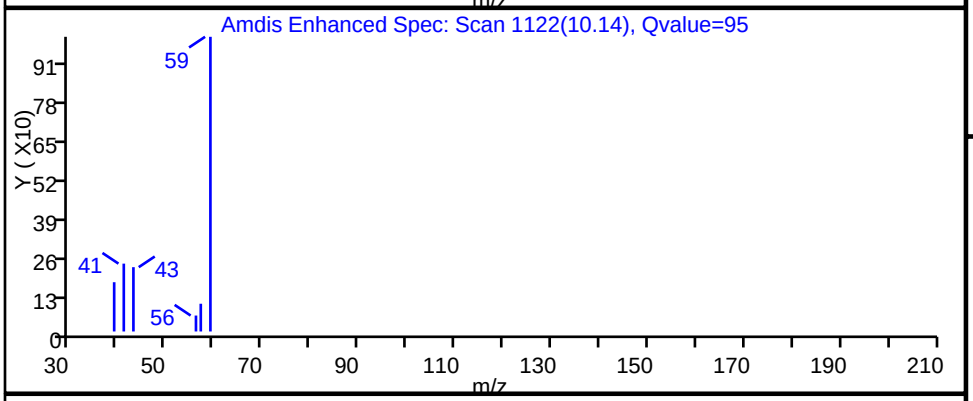
TestAmerica Burlington

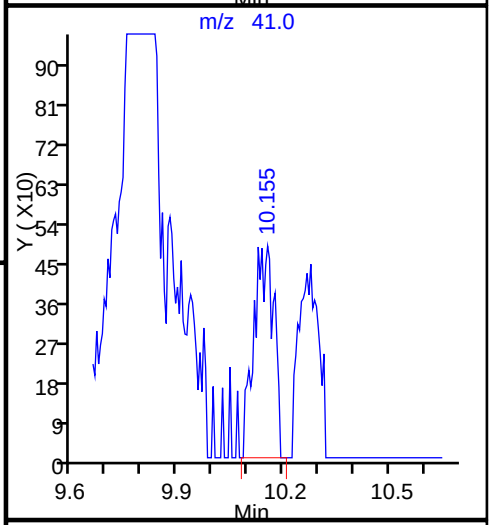
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

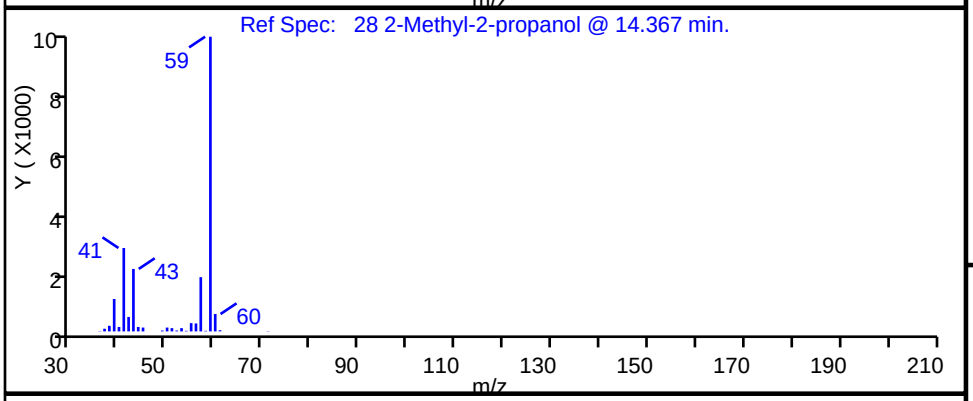
28 2-Methyl-2-propanol, CAS: 75-65-0

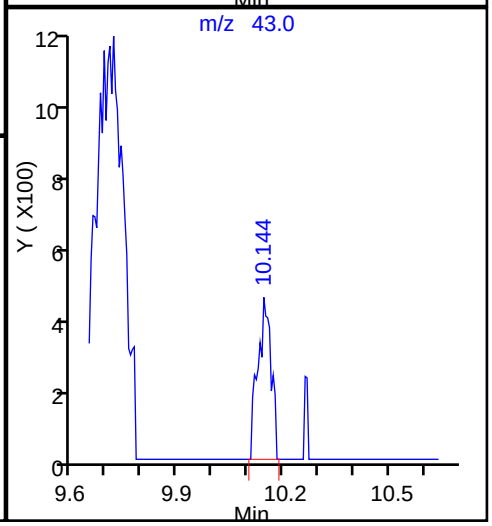


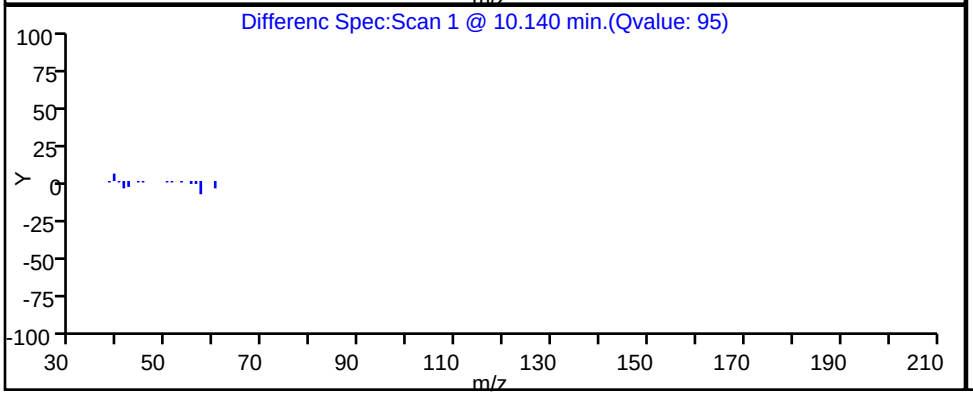






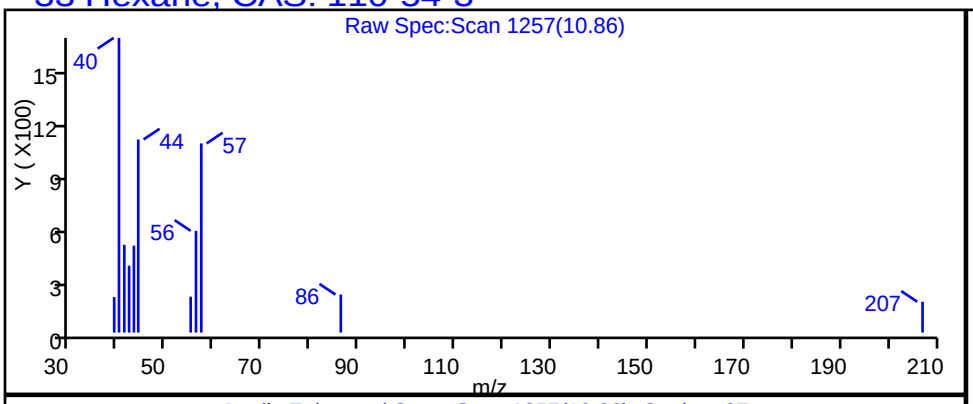


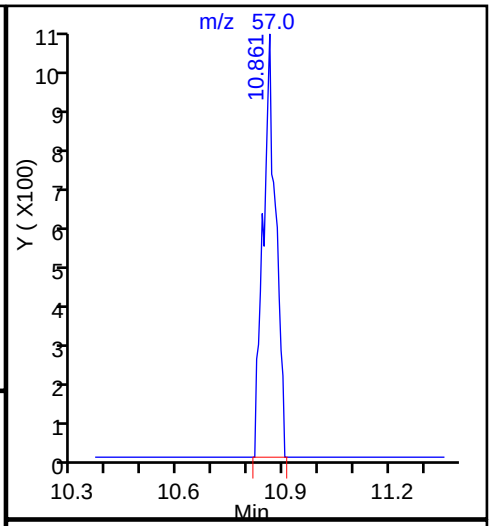


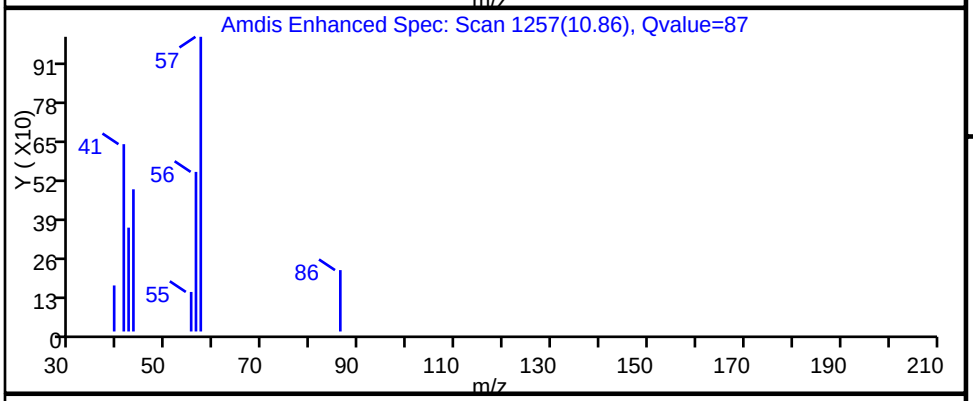


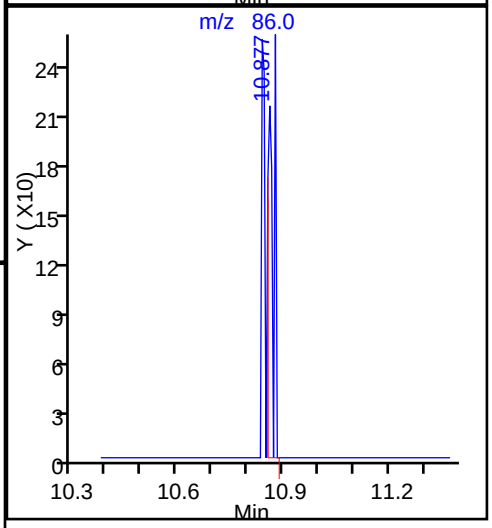
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

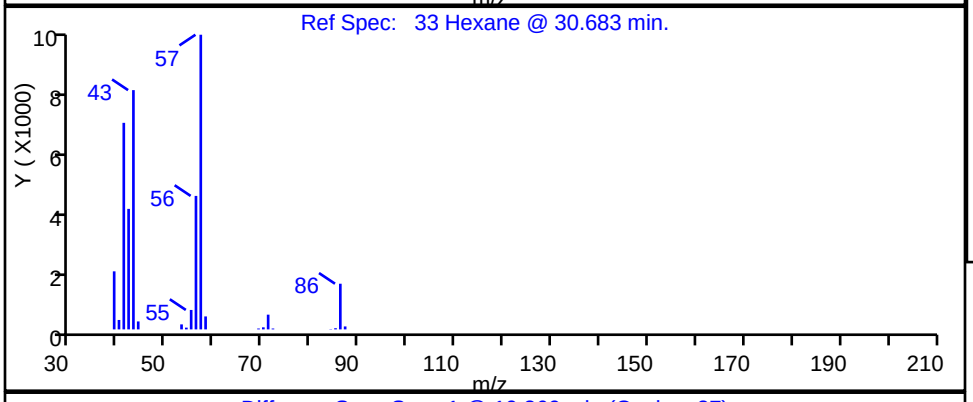
33 Hexane, CAS: 110-54-3

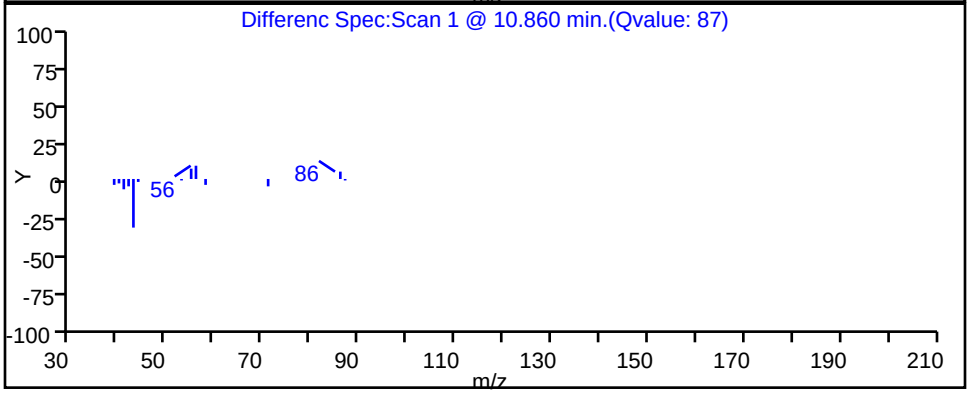






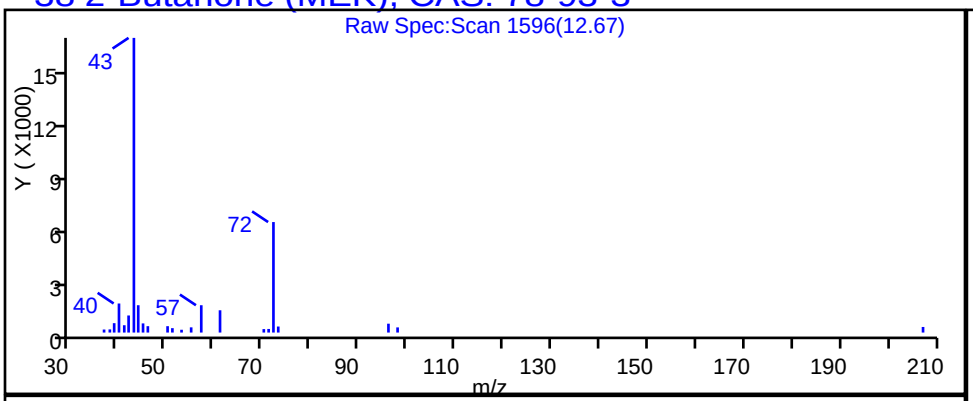


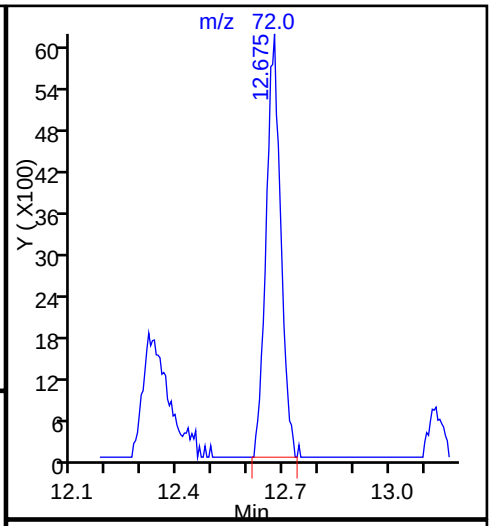


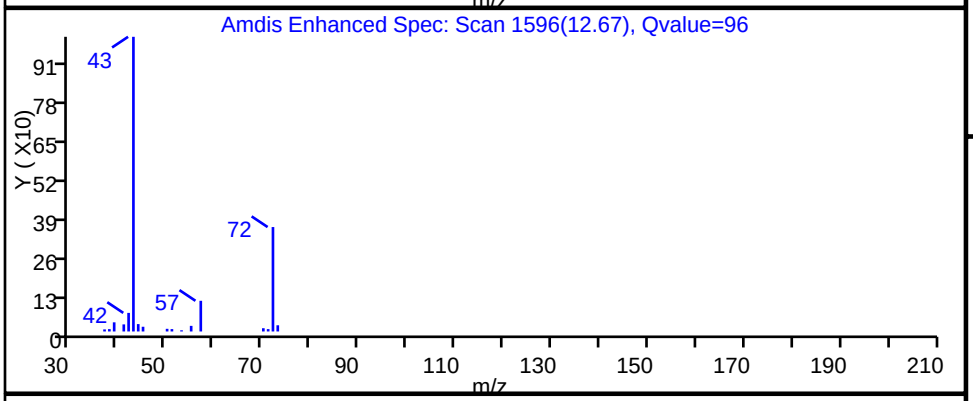


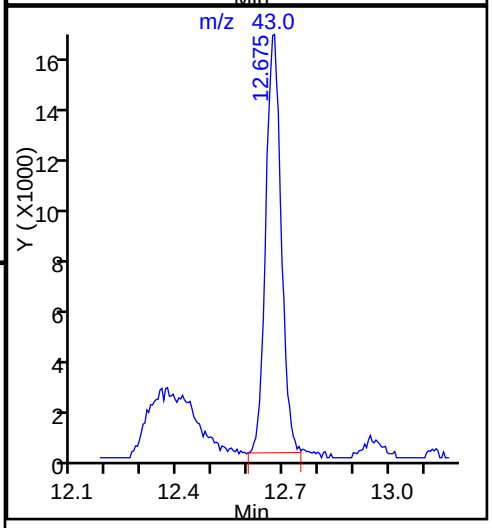
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

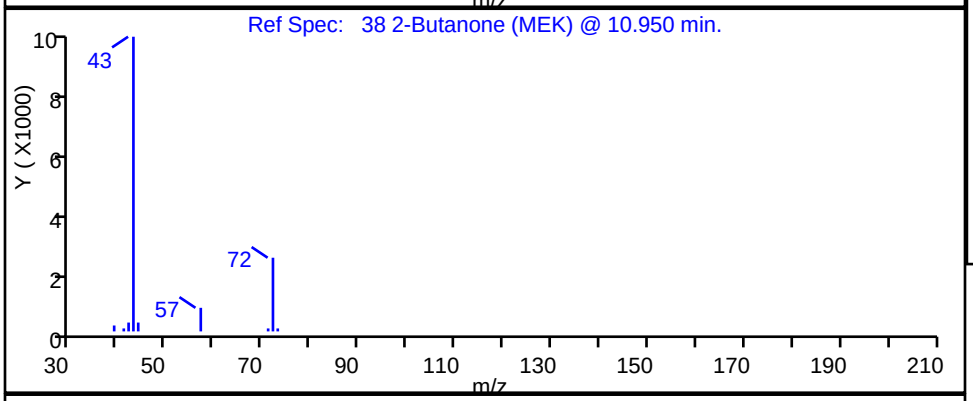
38 2-Butanone (MEK), CAS: 78-93-3

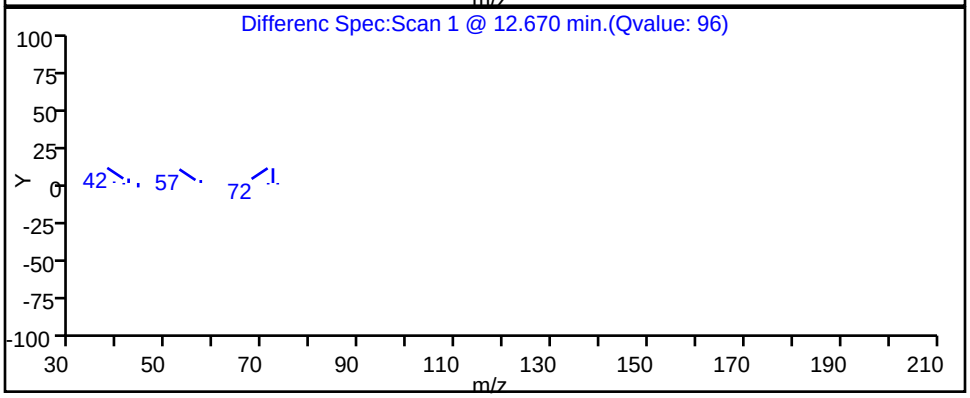






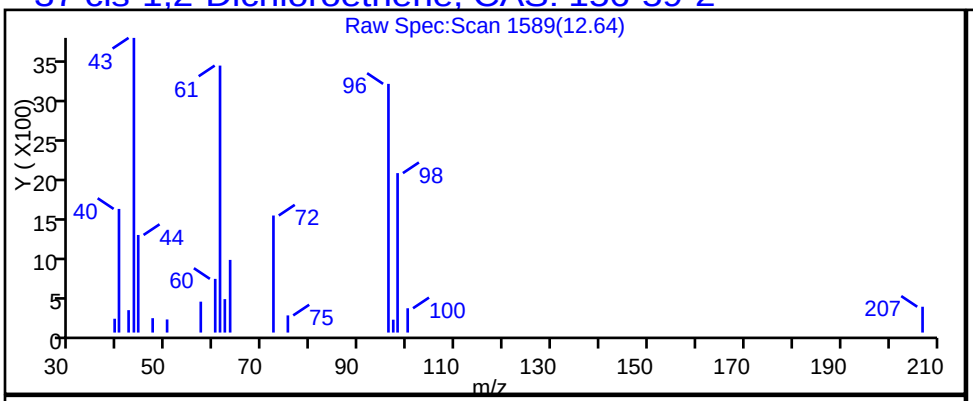


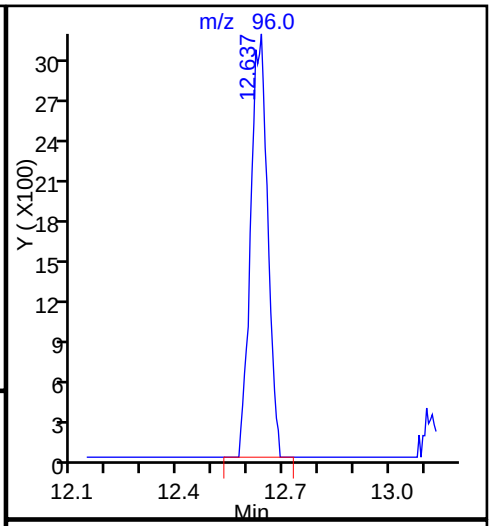


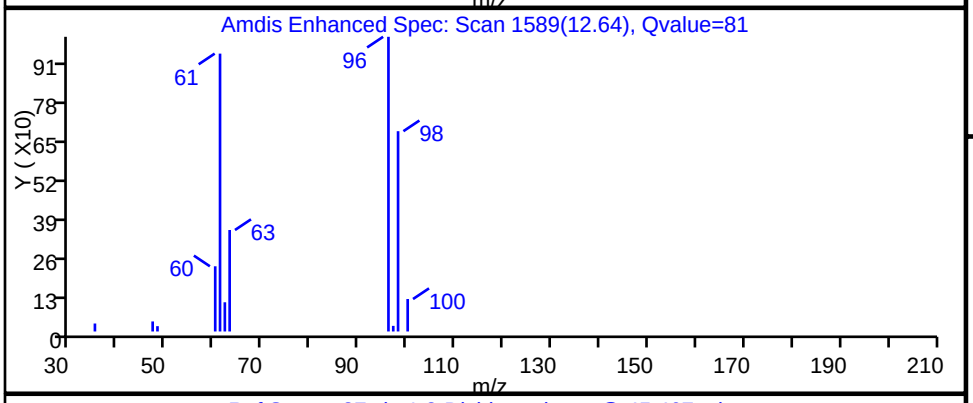


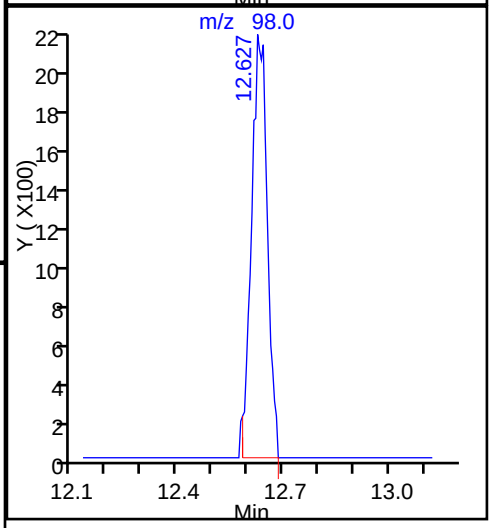
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

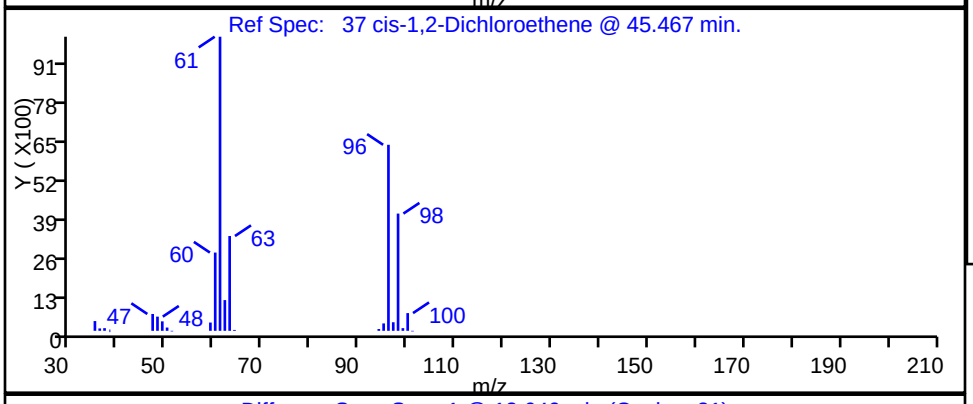
37 cis-1,2-Dichloroethene, CAS: 156-59-2

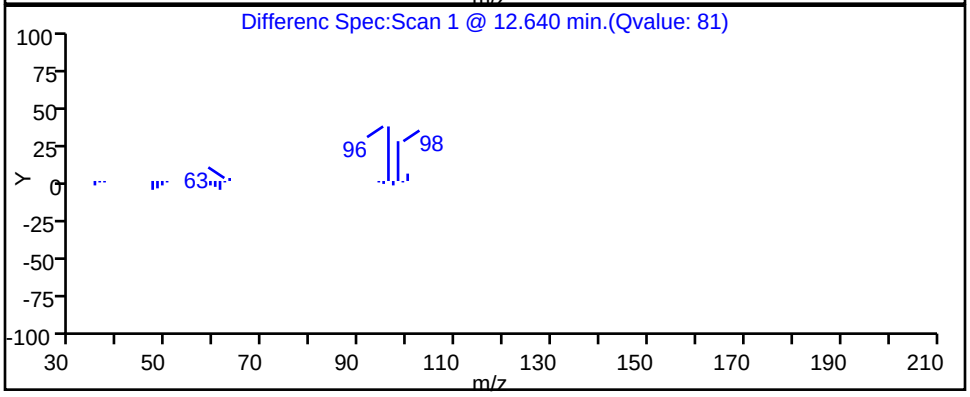








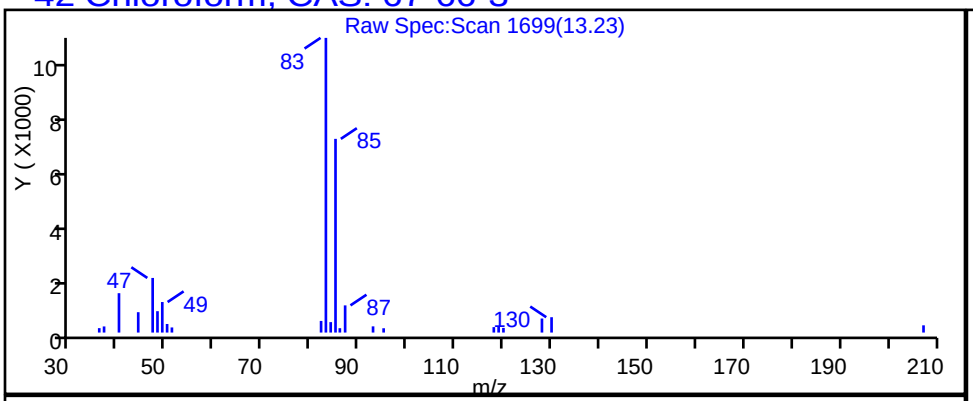


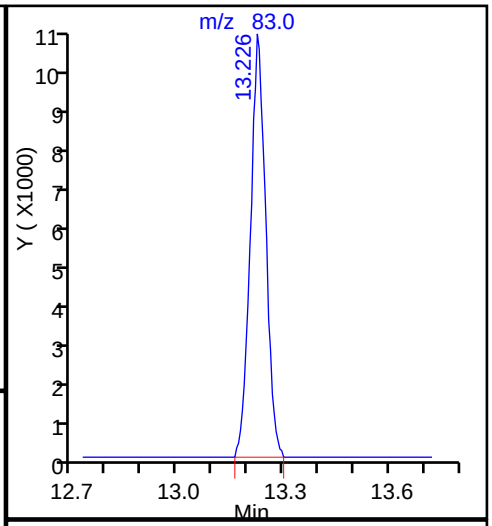


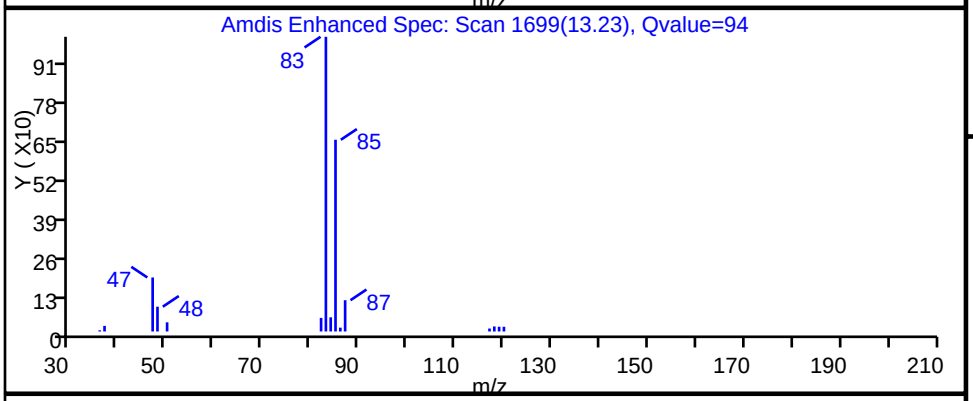
TestAmerica Burlington

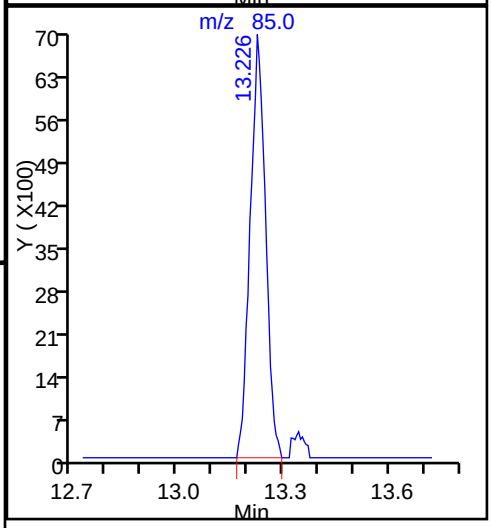
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

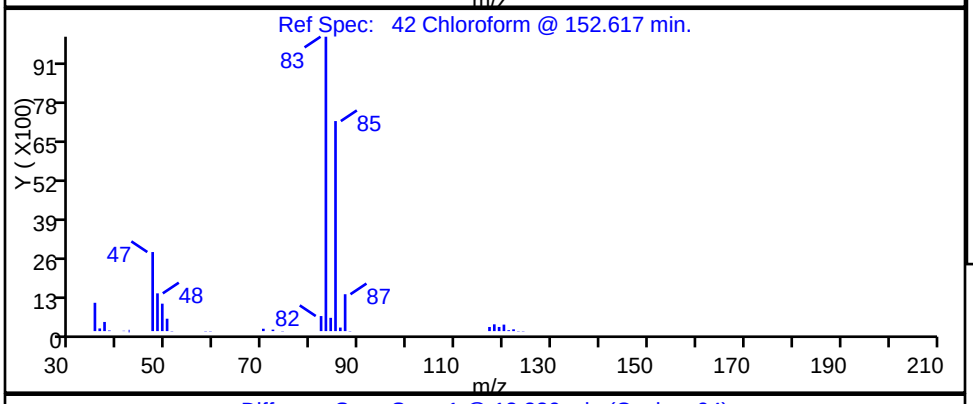
42 Chloroform, CAS: 67-66-3

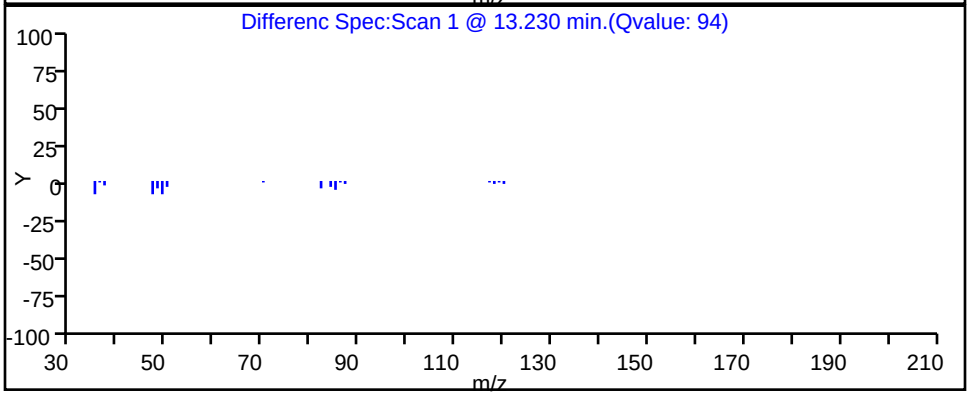








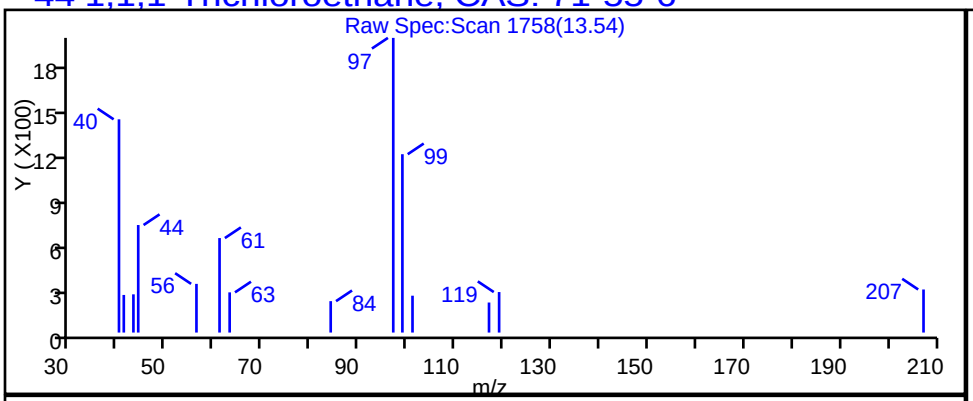


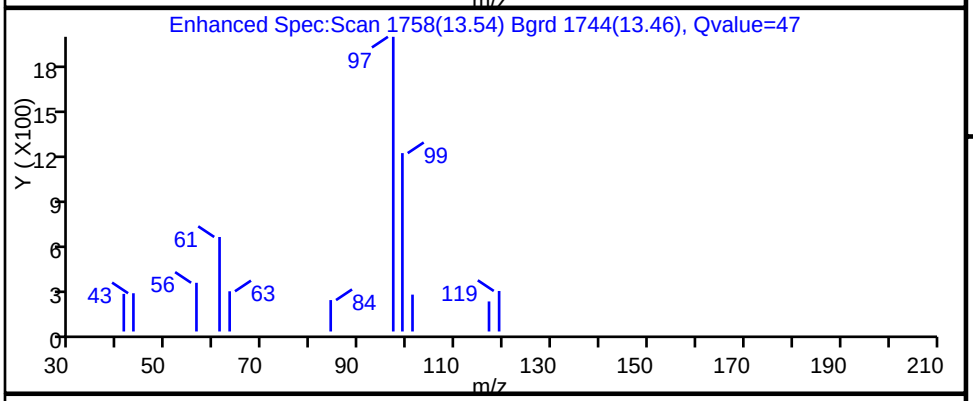


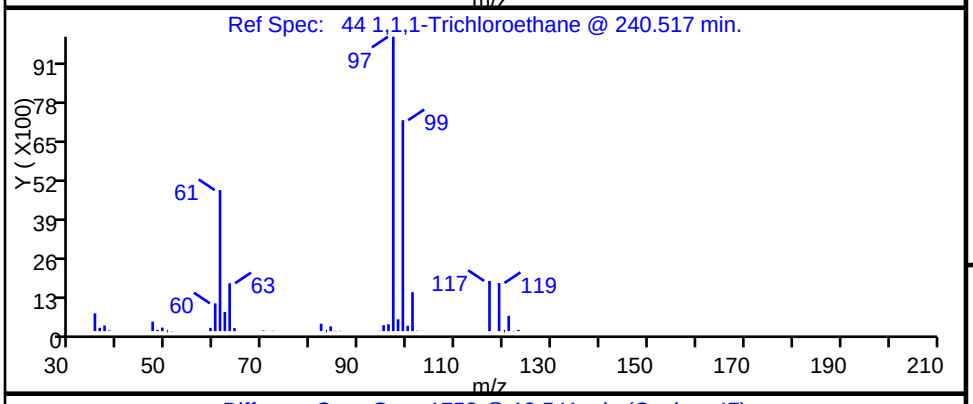
TestAmerica Burlington

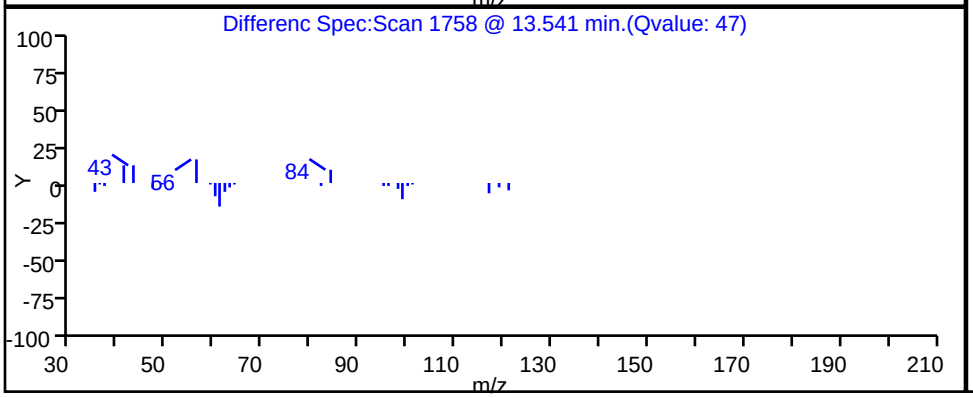
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

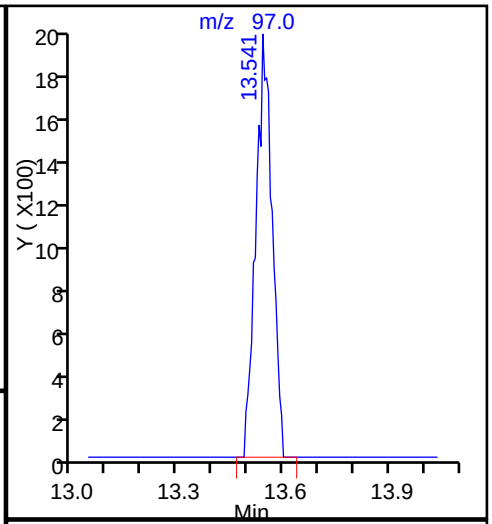
44 1,1,1-Trichloroethane, CAS: 71-55-6

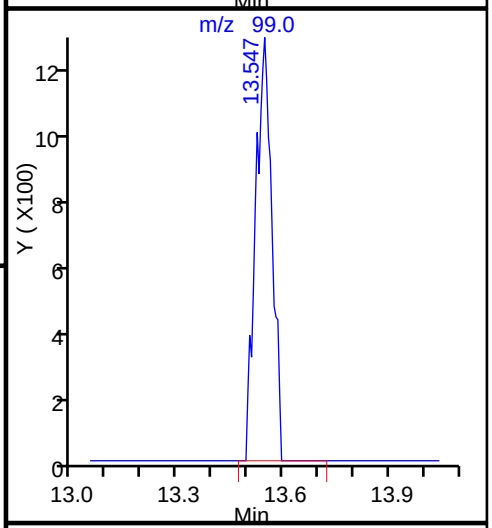


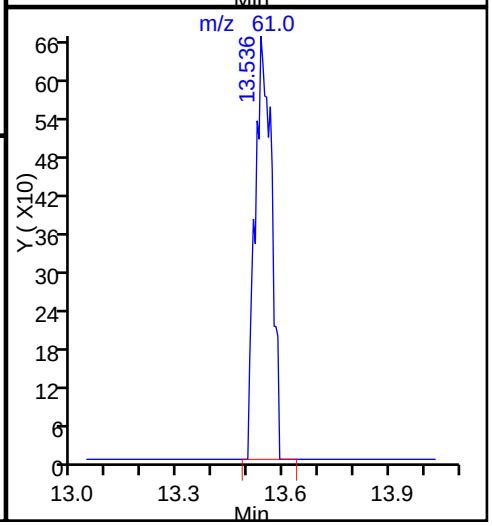






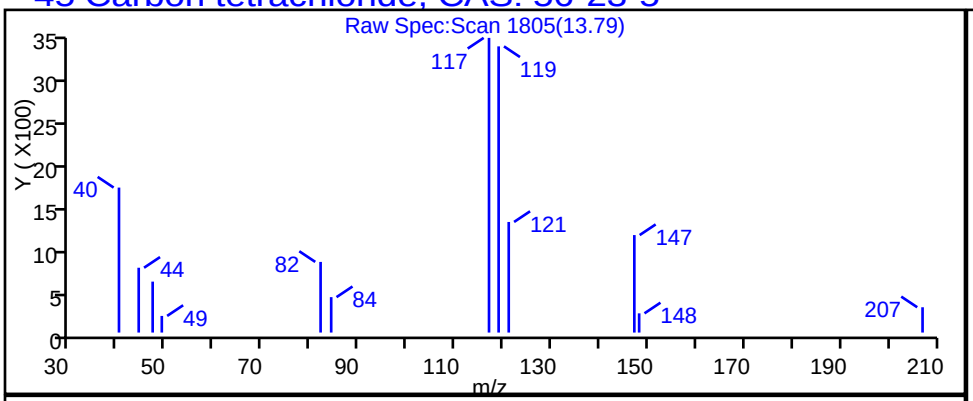


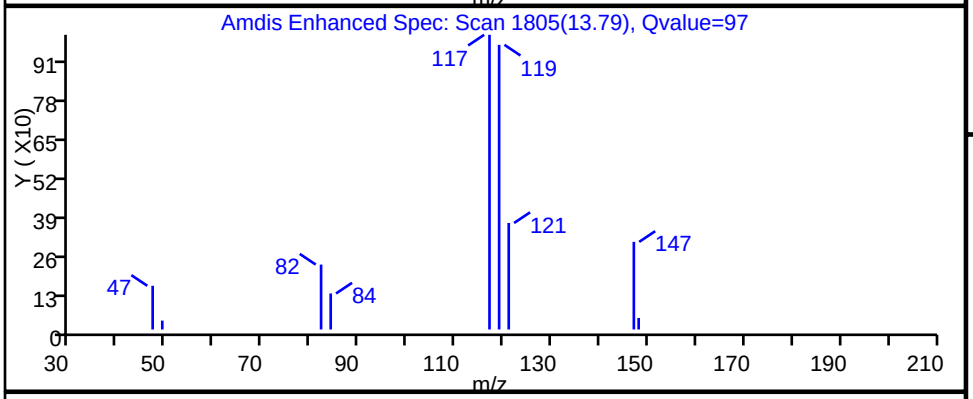


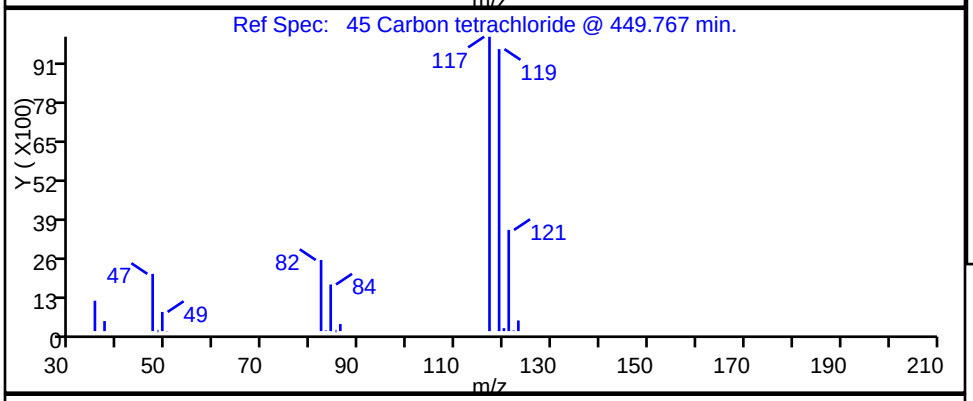


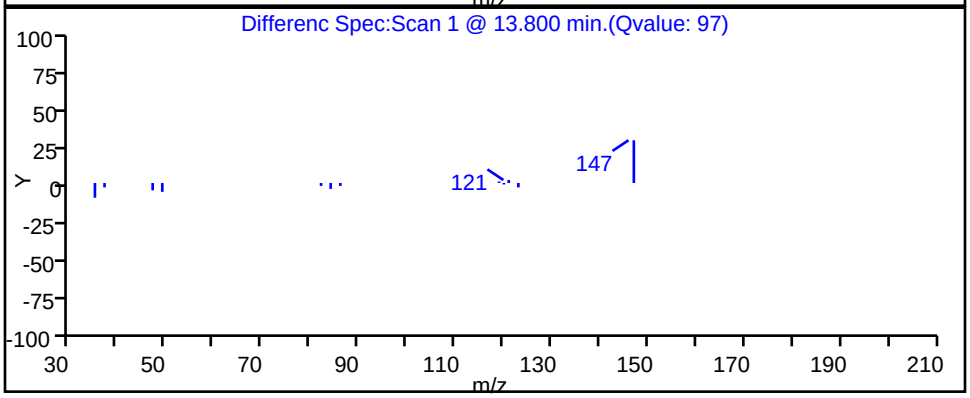
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

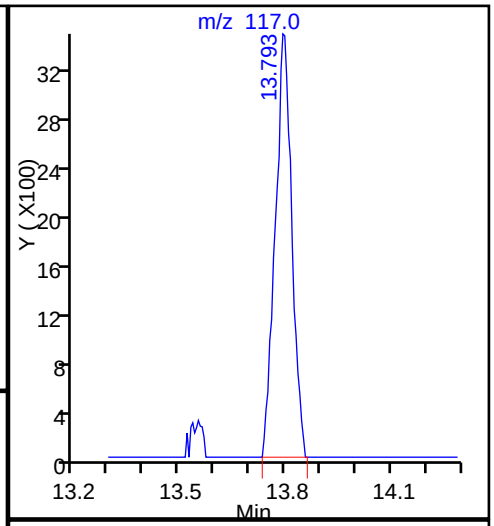
45 Carbon tetrachloride, CAS: 56-23-5

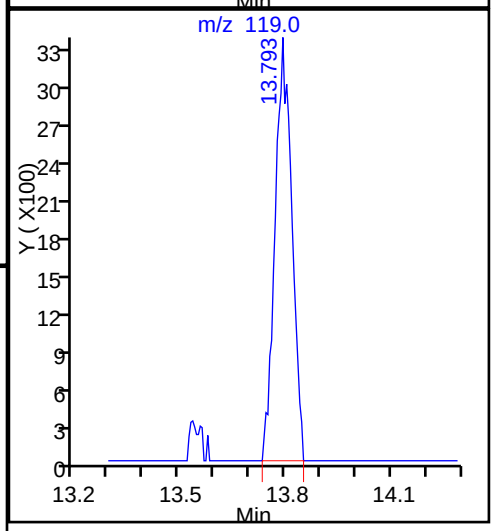








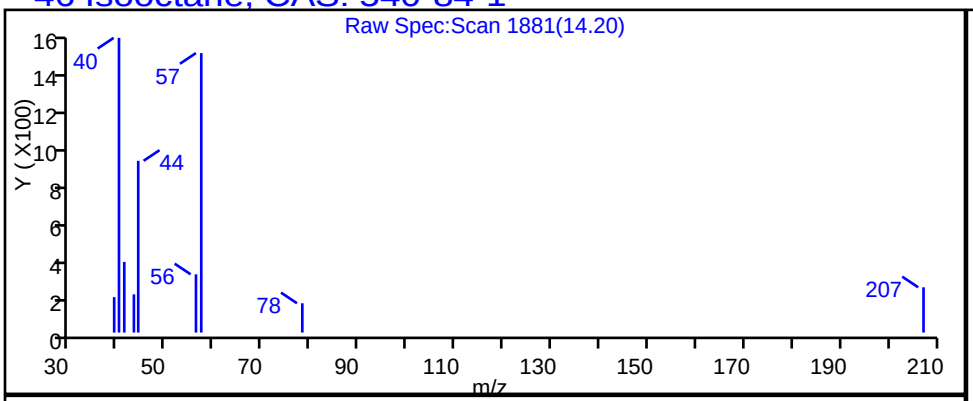


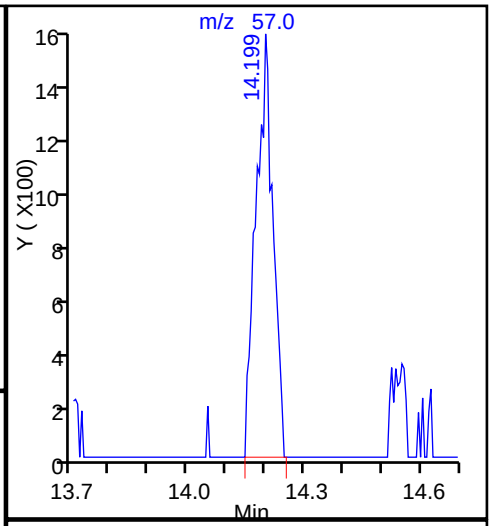


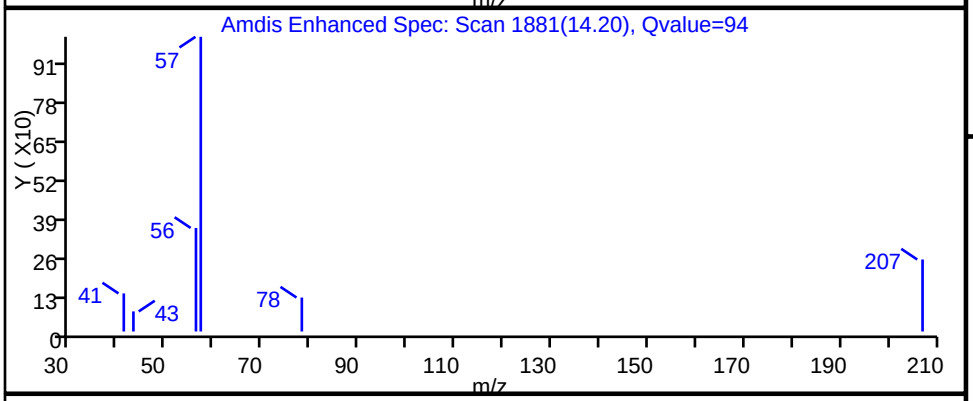
TestAmerica Burlington

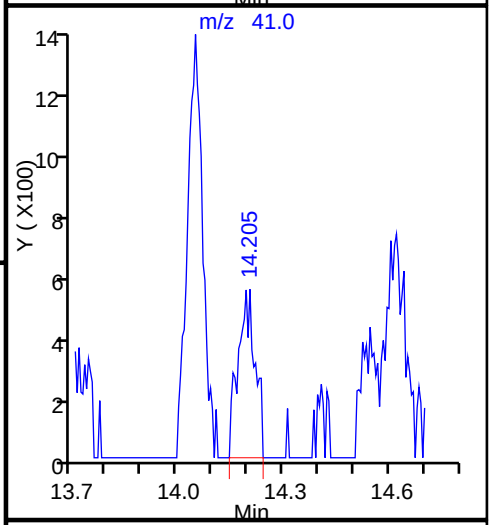
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

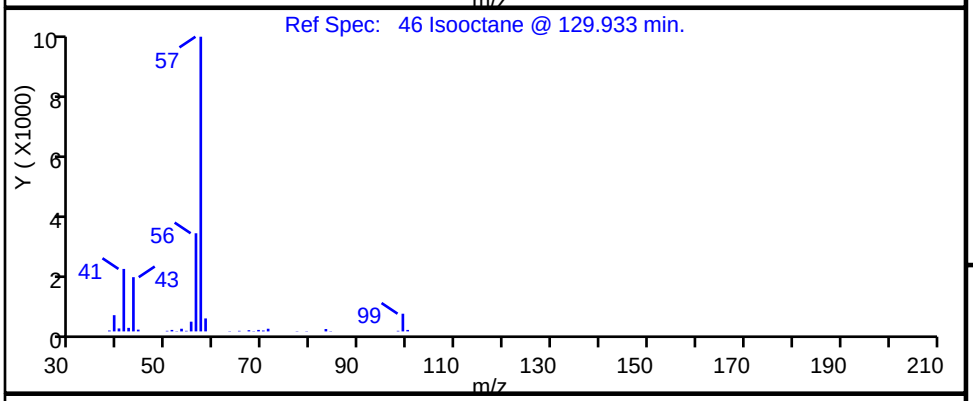
46 Isooctane, CAS: 540-84-1

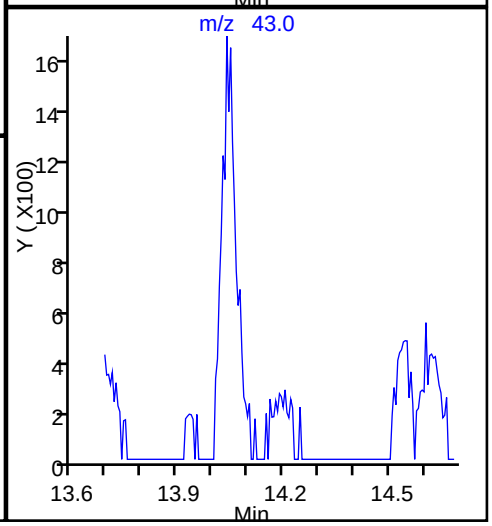


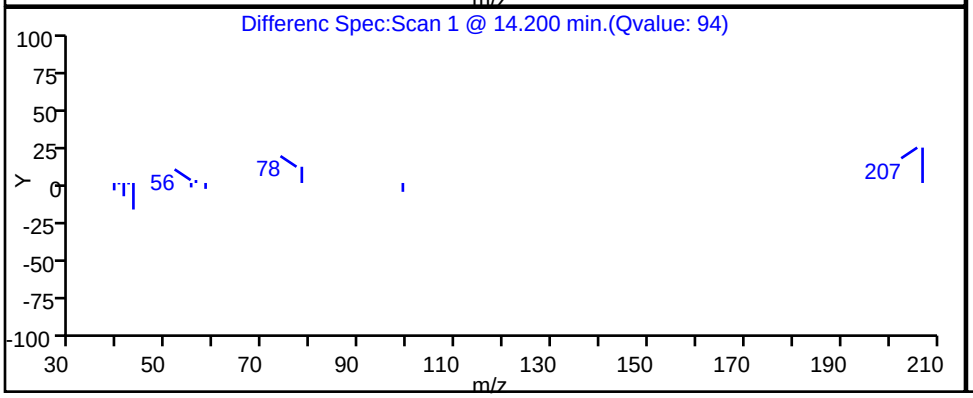








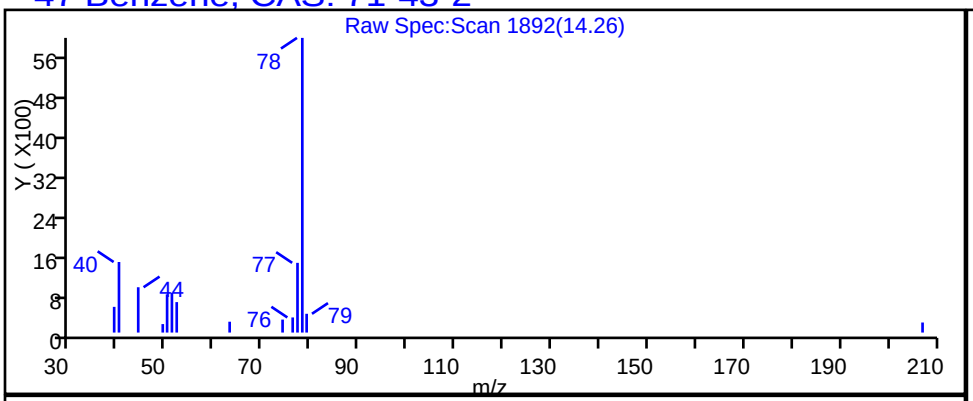


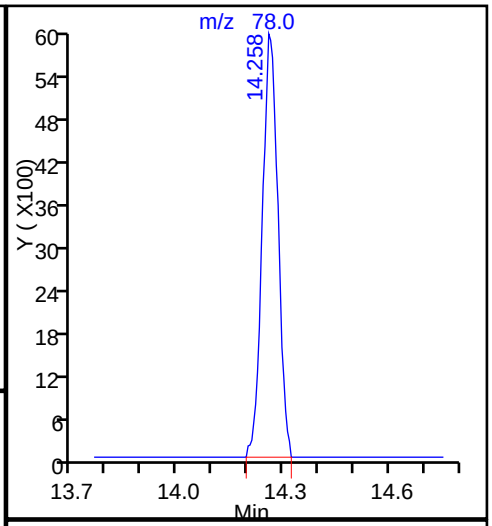


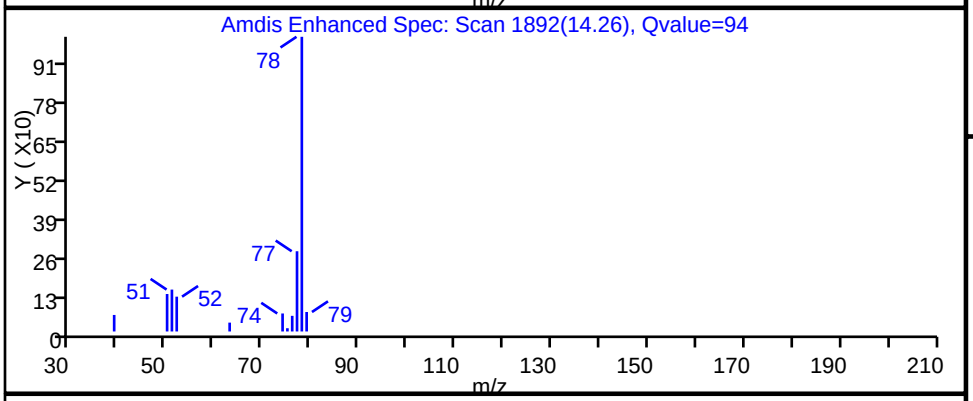
TestAmerica Burlington

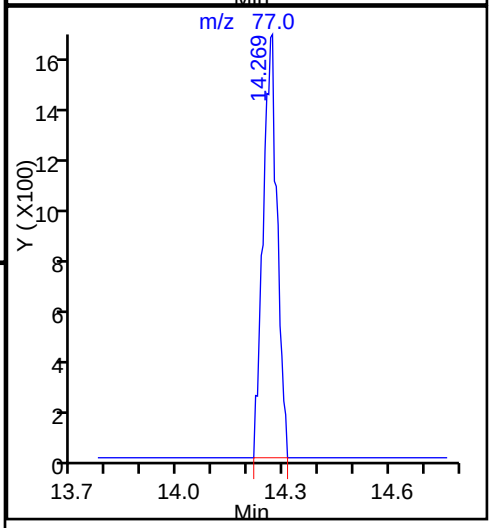
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

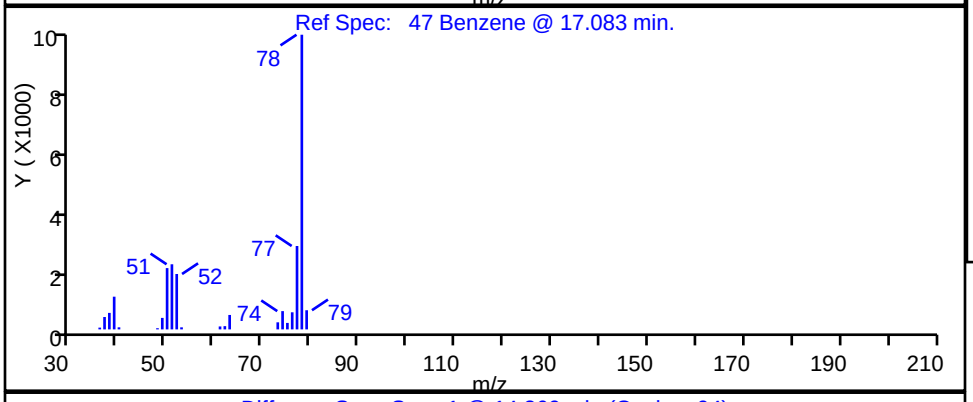
47 Benzene, CAS: 71-43-2

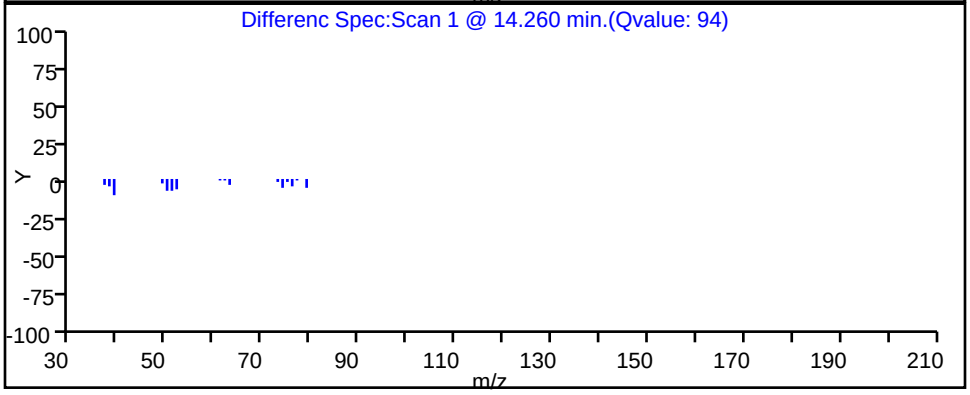






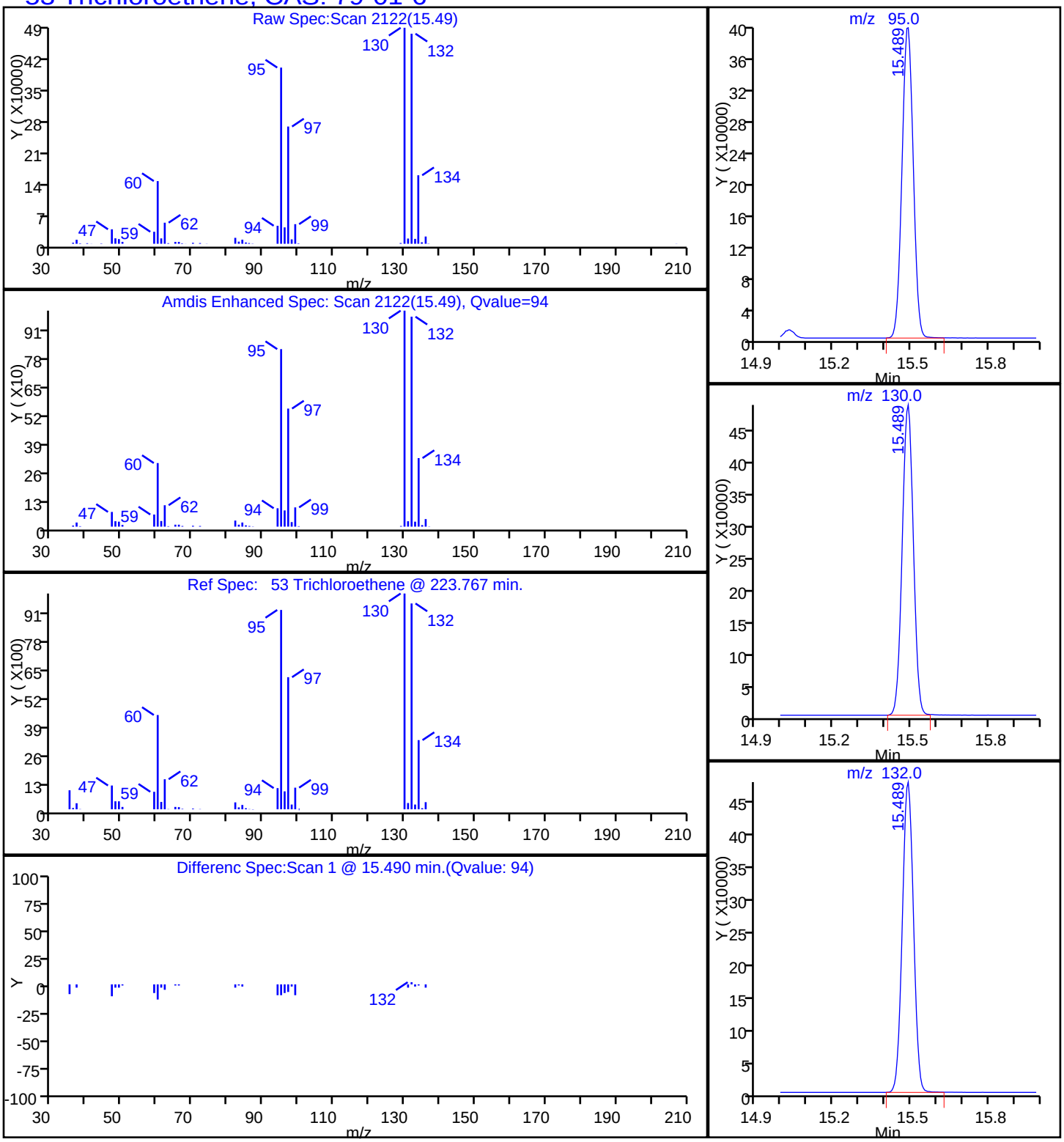






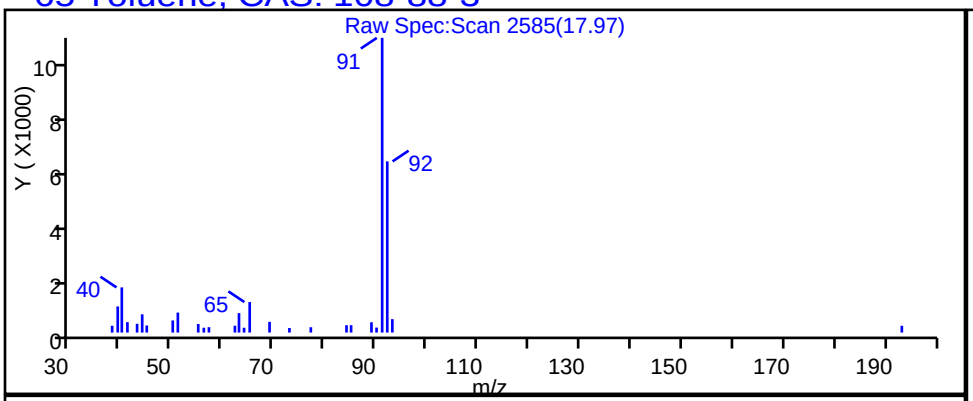
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

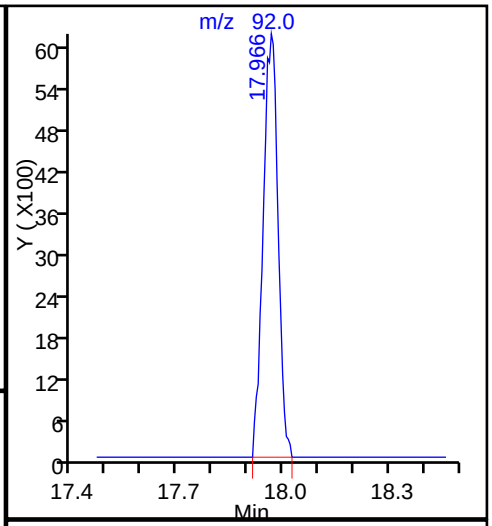
53 Trichloroethene, CAS: 79-01-6

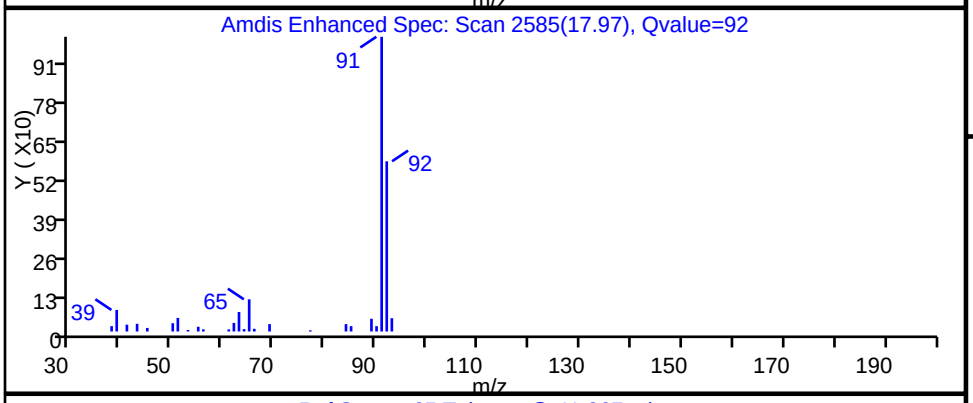


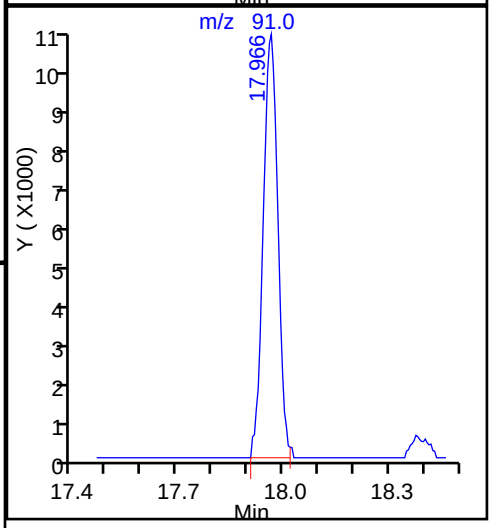
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

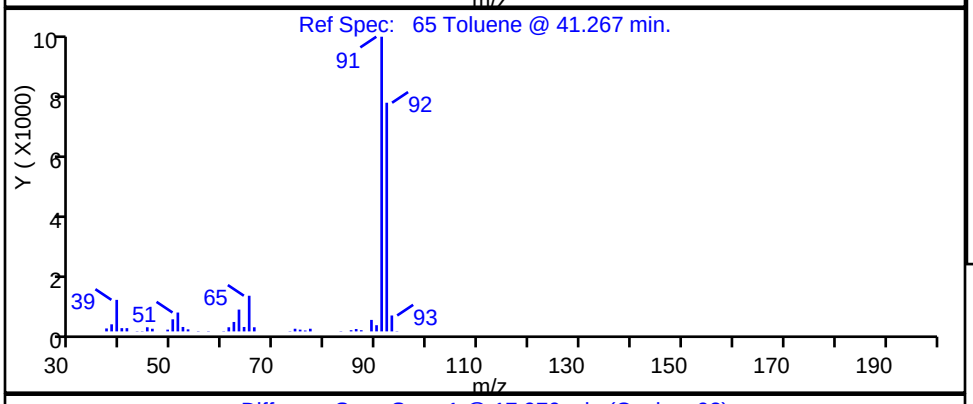
65 Toluene, CAS: 108-88-3

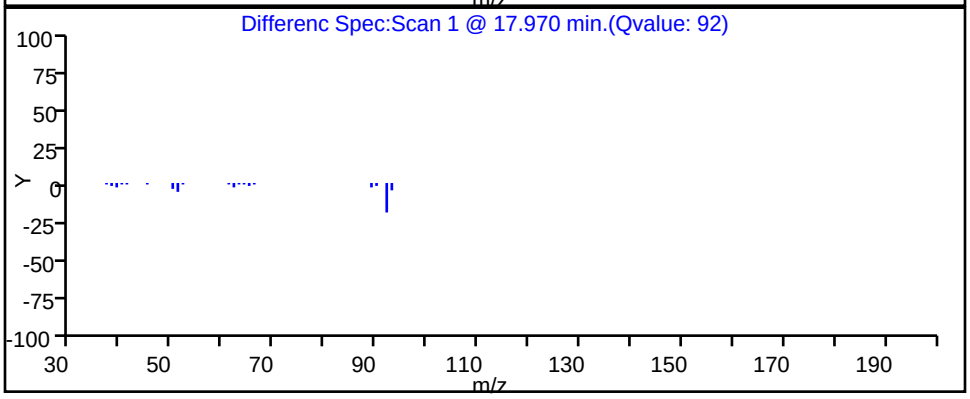






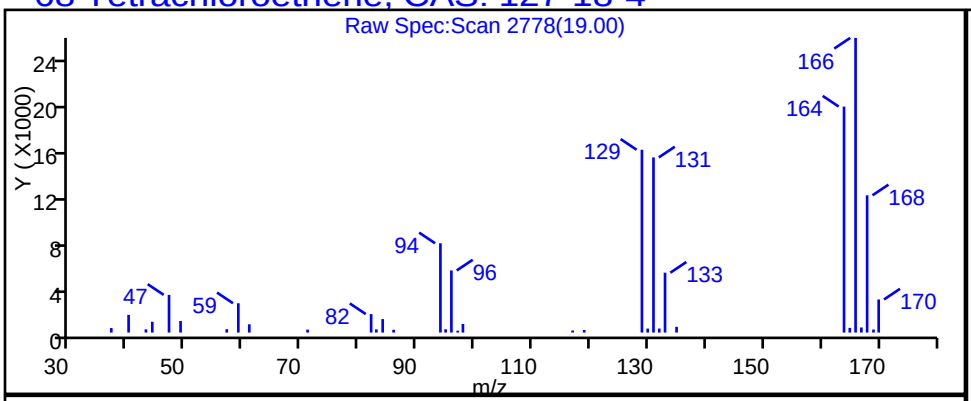


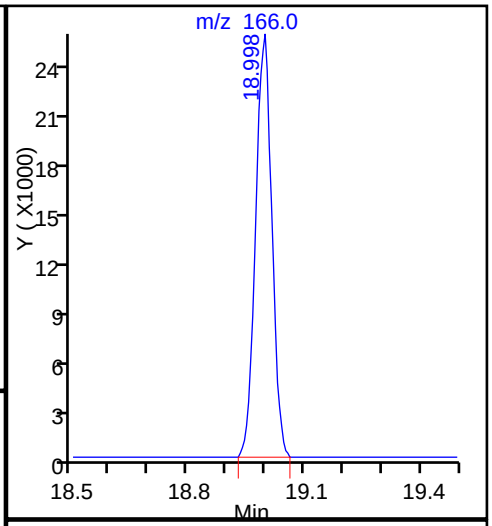


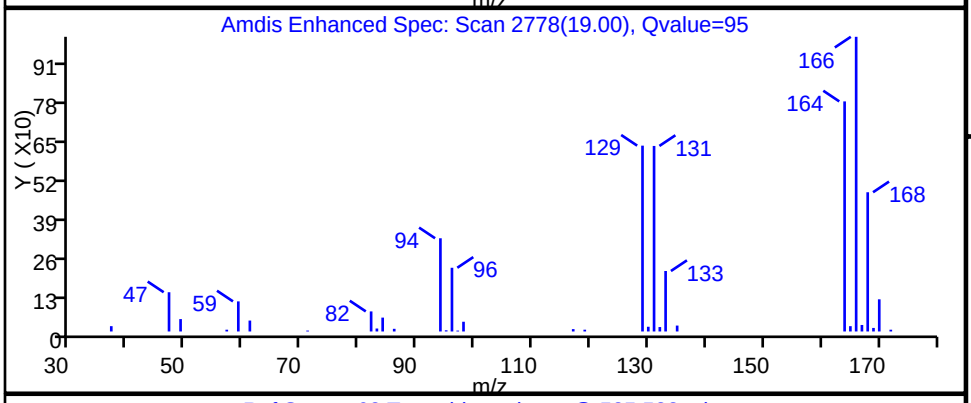


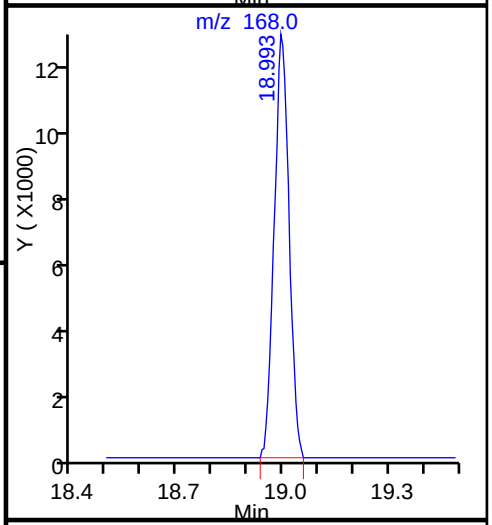
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

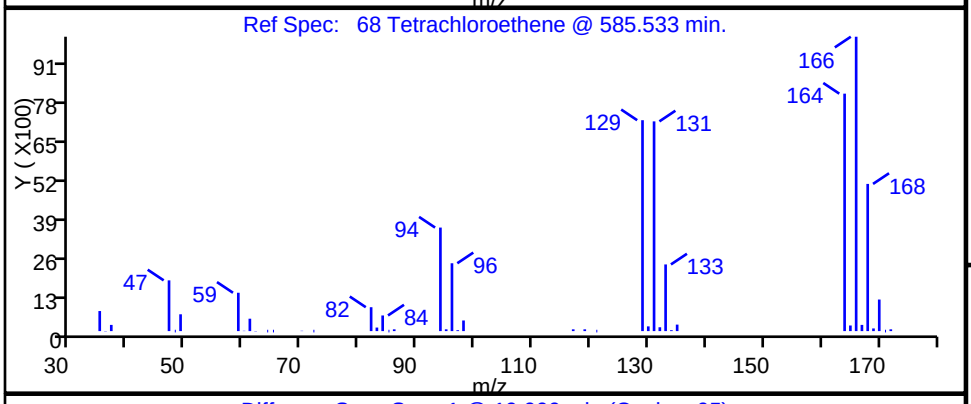
68 Tetrachloroethene, CAS: 127-18-4

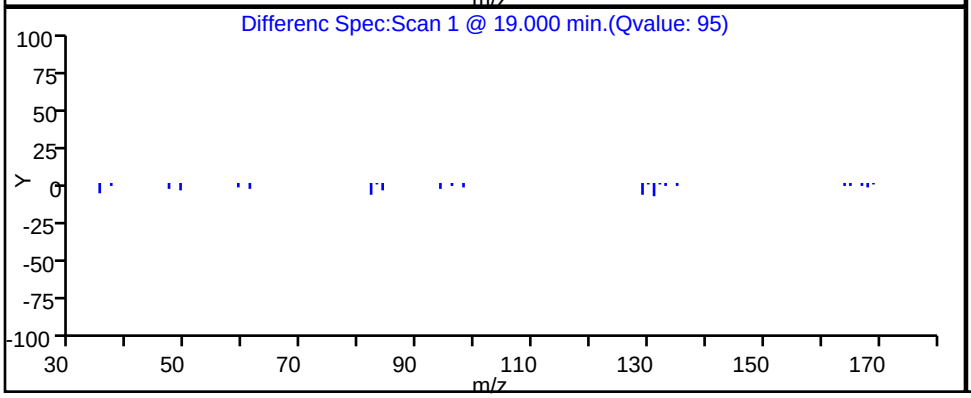


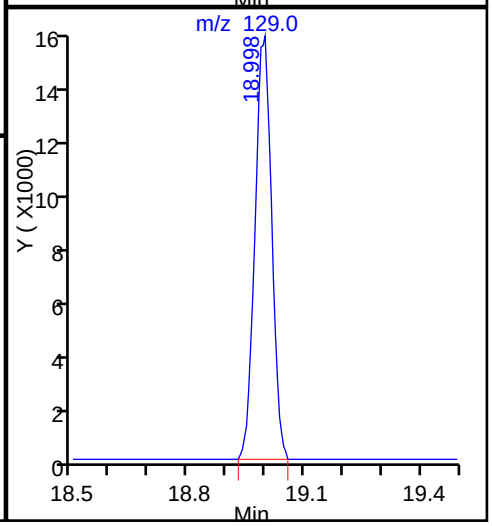






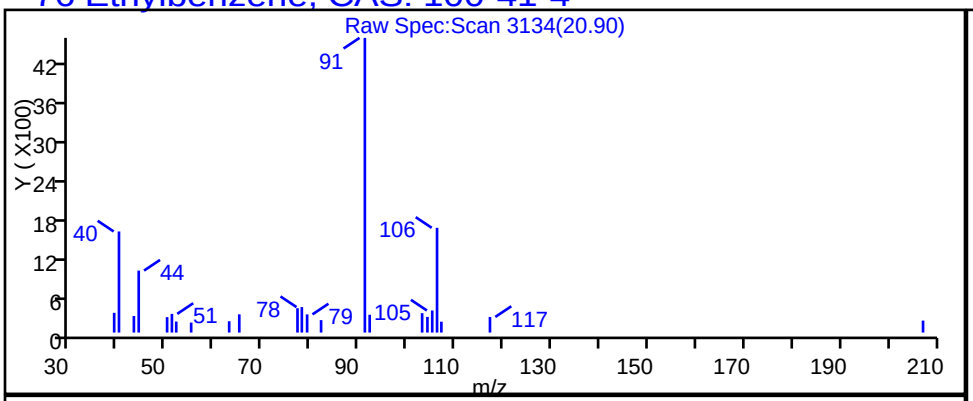


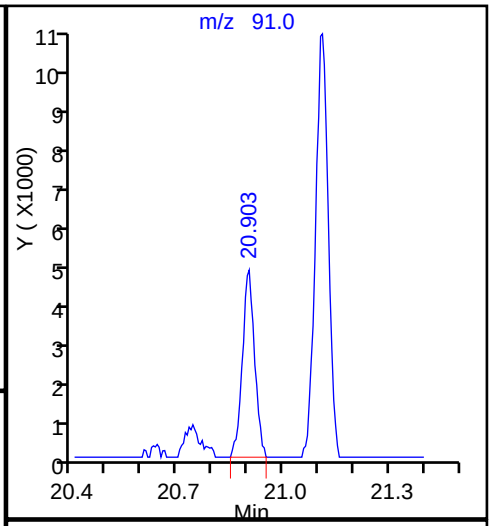


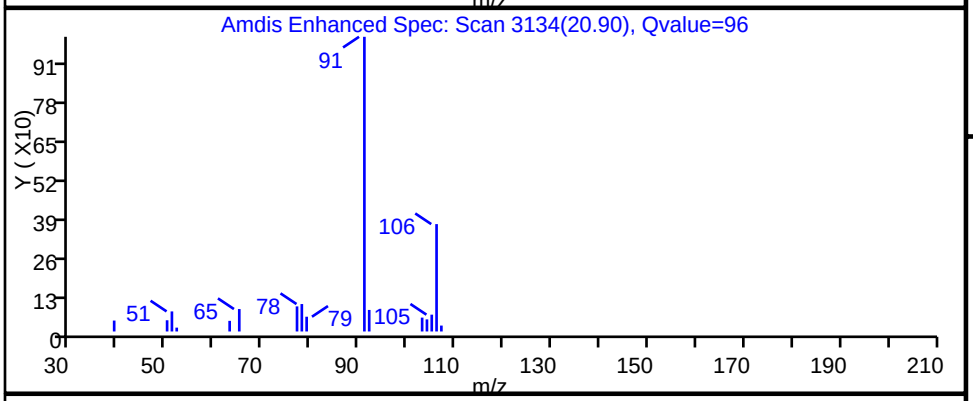


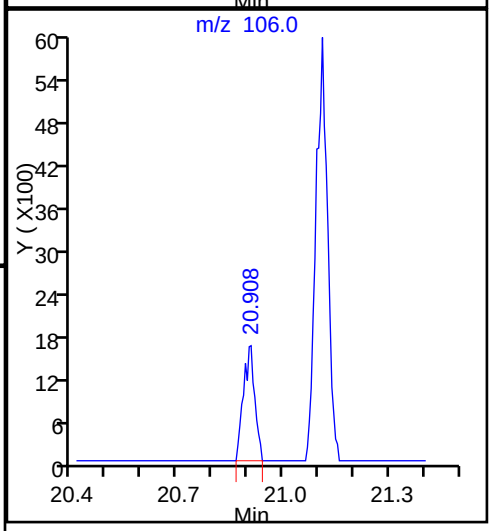
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

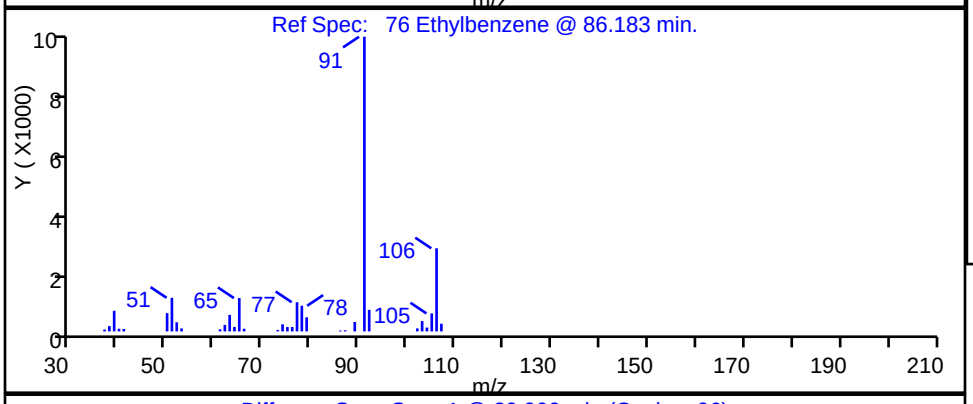
76 Ethylbenzene, CAS: 100-41-4

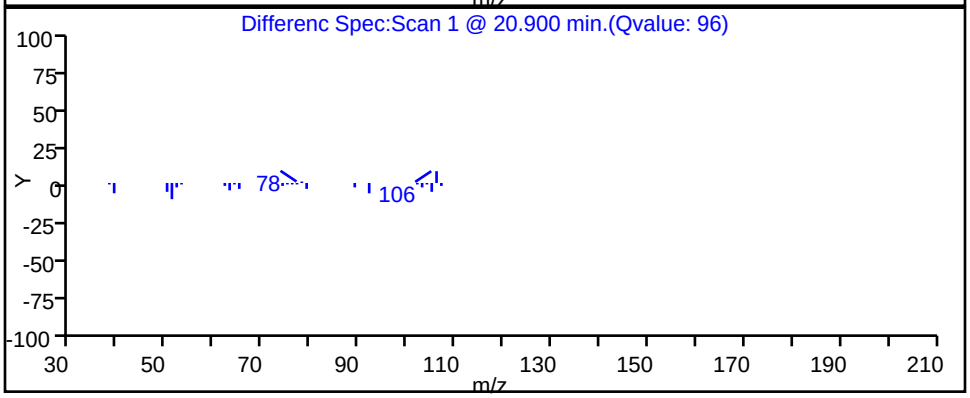






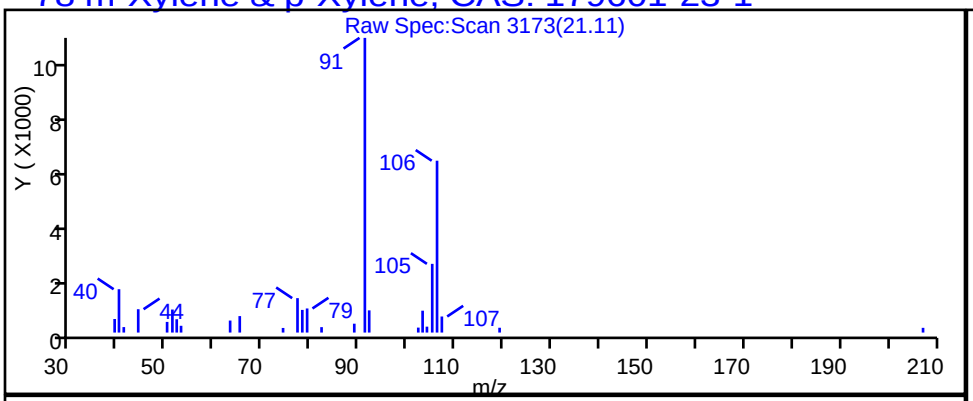


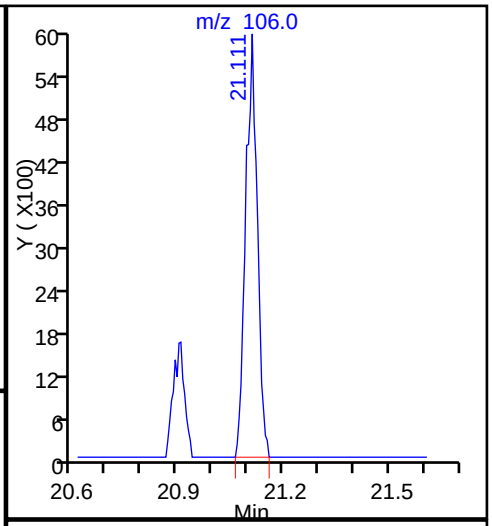


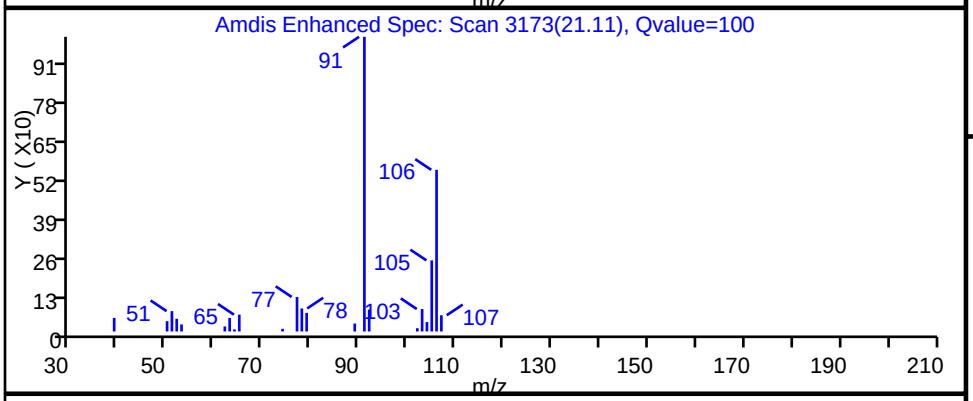


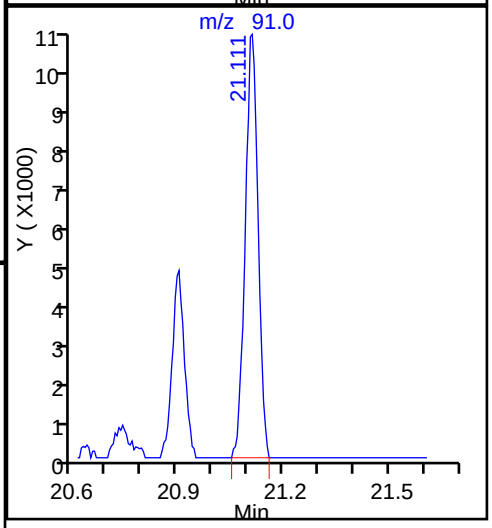
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

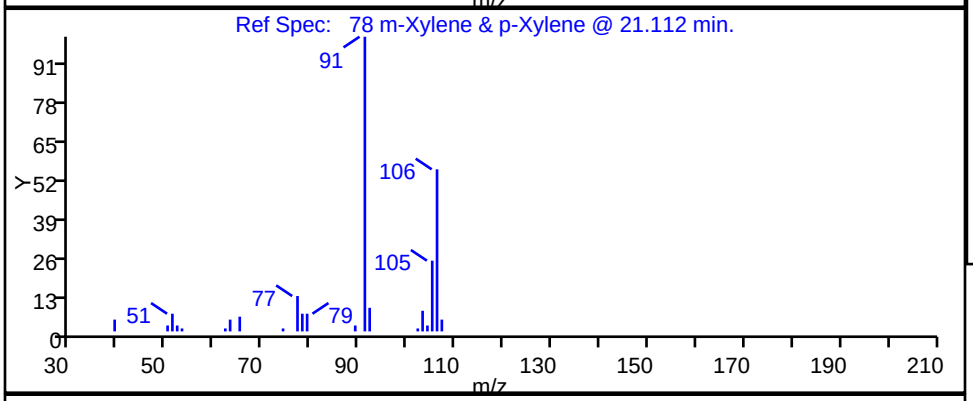
78 m-Xylene & p-Xylene, CAS: 179601-23-1

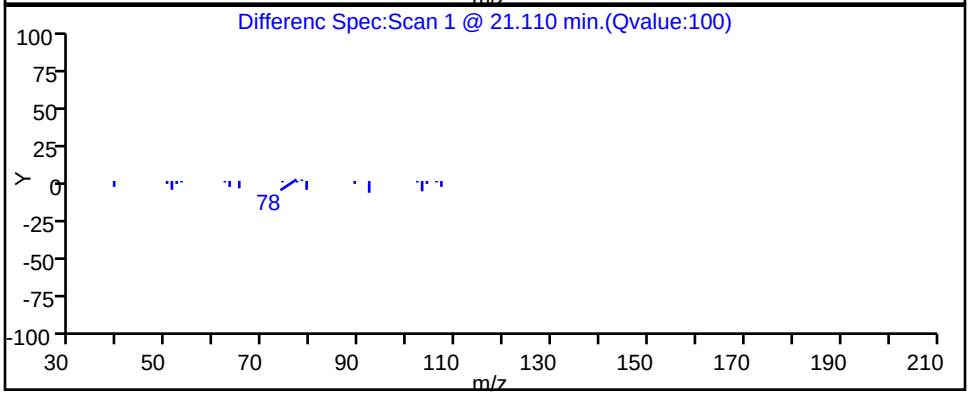






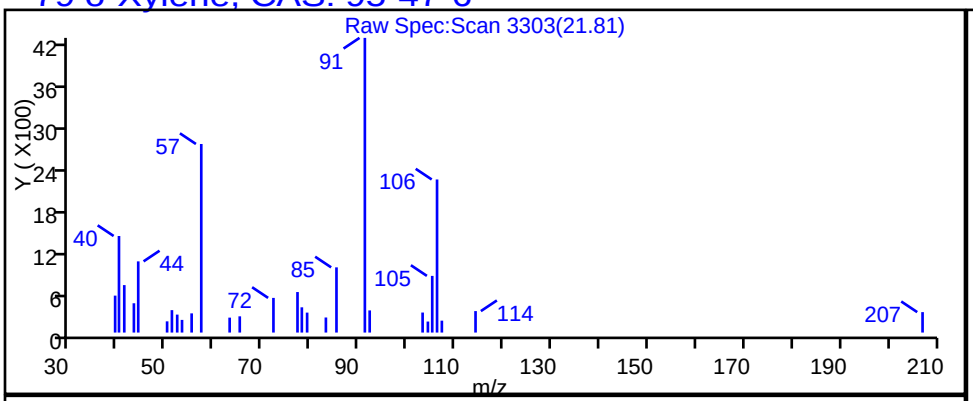


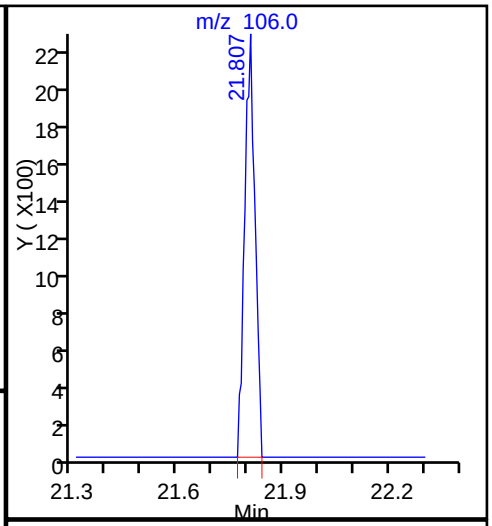


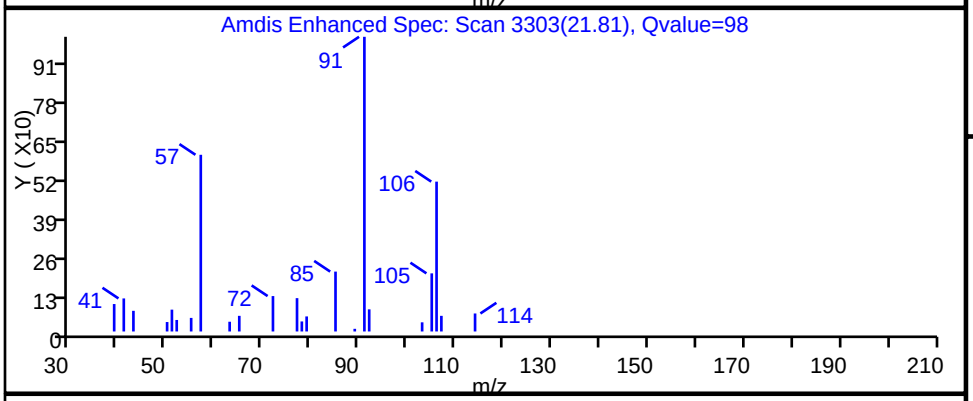


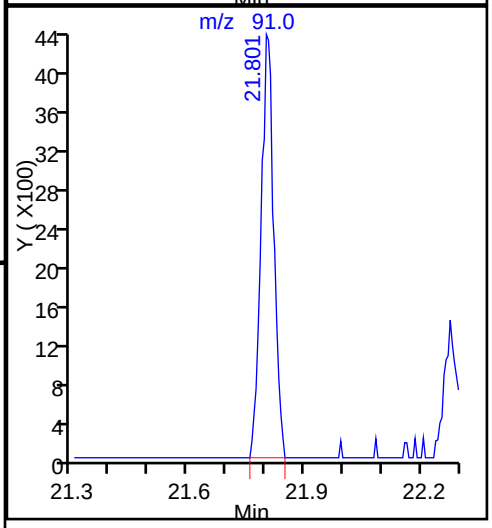
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

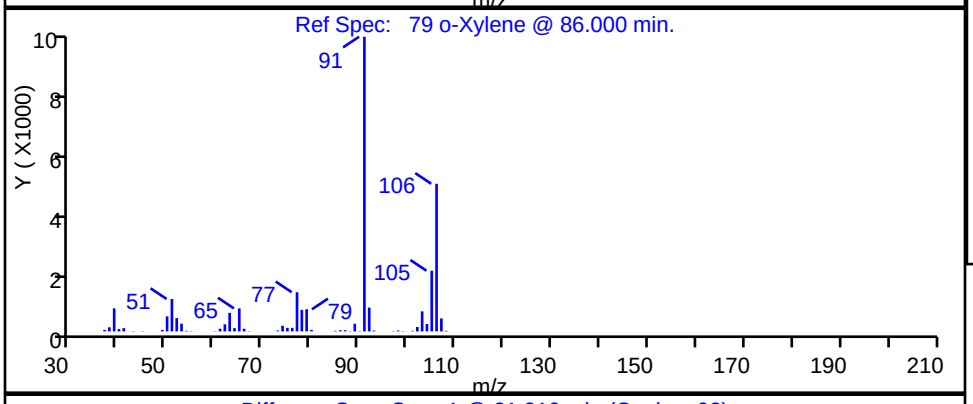
79 o-Xylene, CAS: 95-47-6

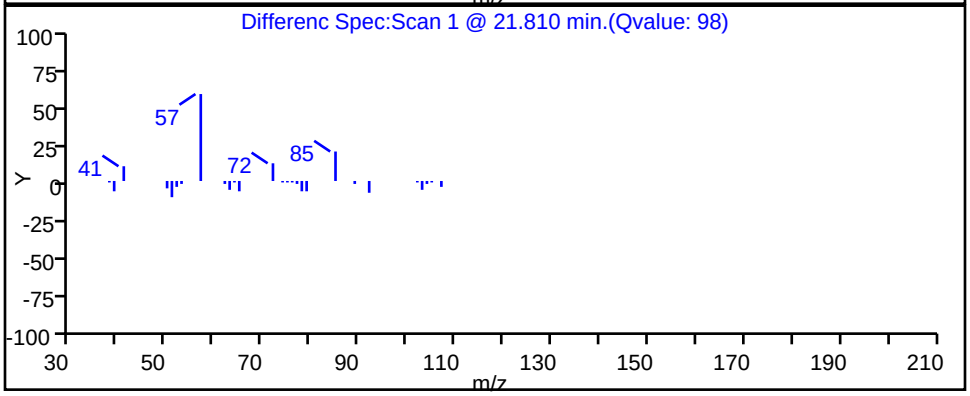






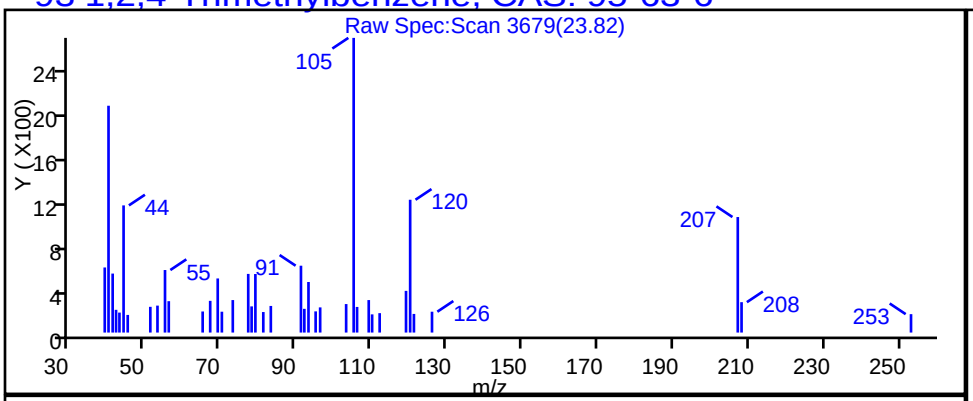


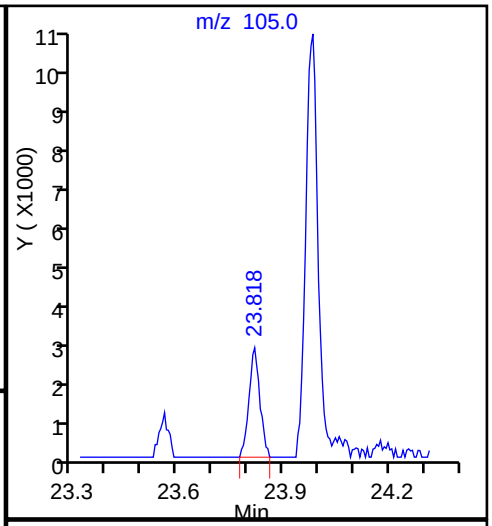


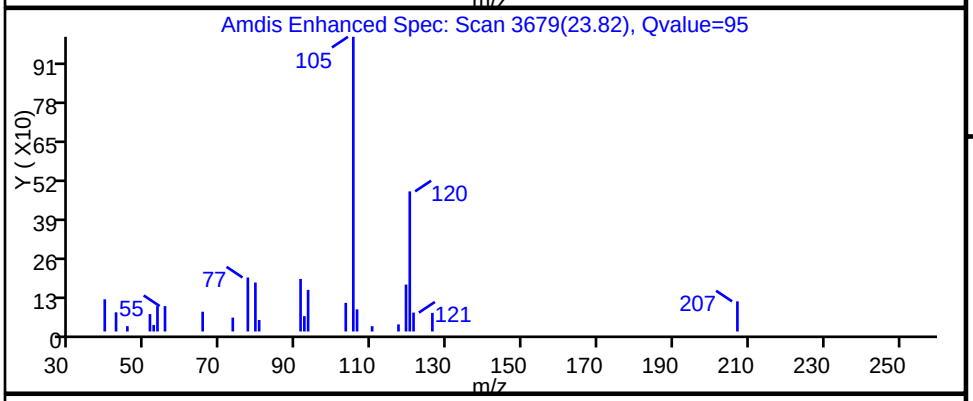


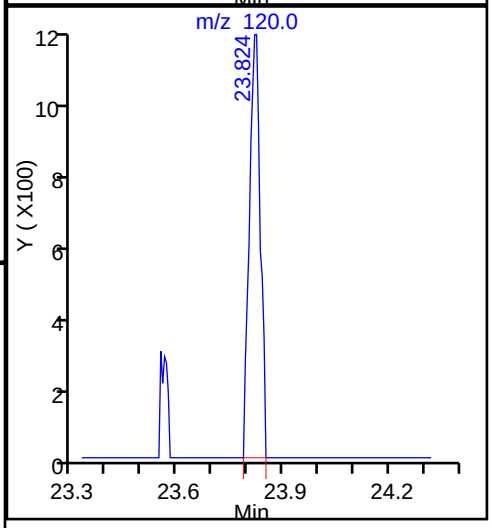
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d
Injection Date: 10-Sep-2015 15:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-2 Lab Sample ID: 200-29580-2
Client ID: 785786CA01MA
Operator ID: wrd ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

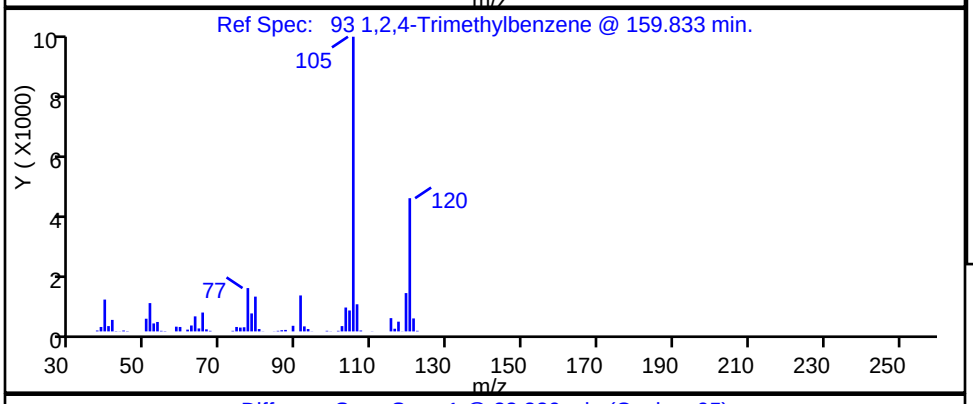
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

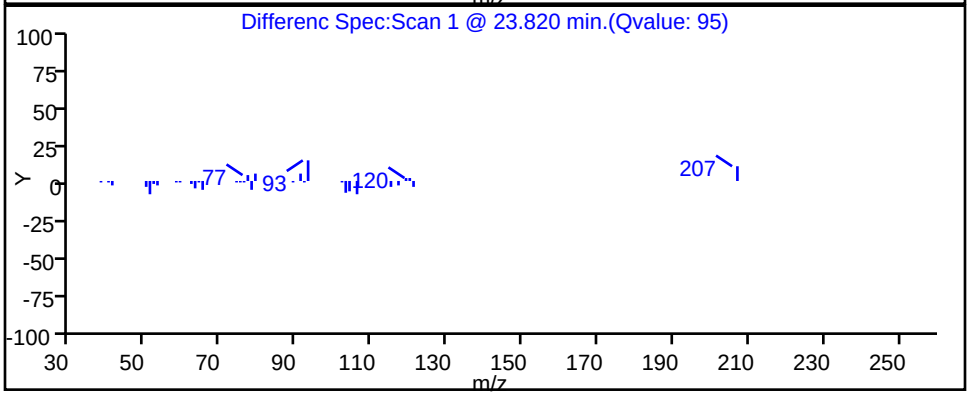








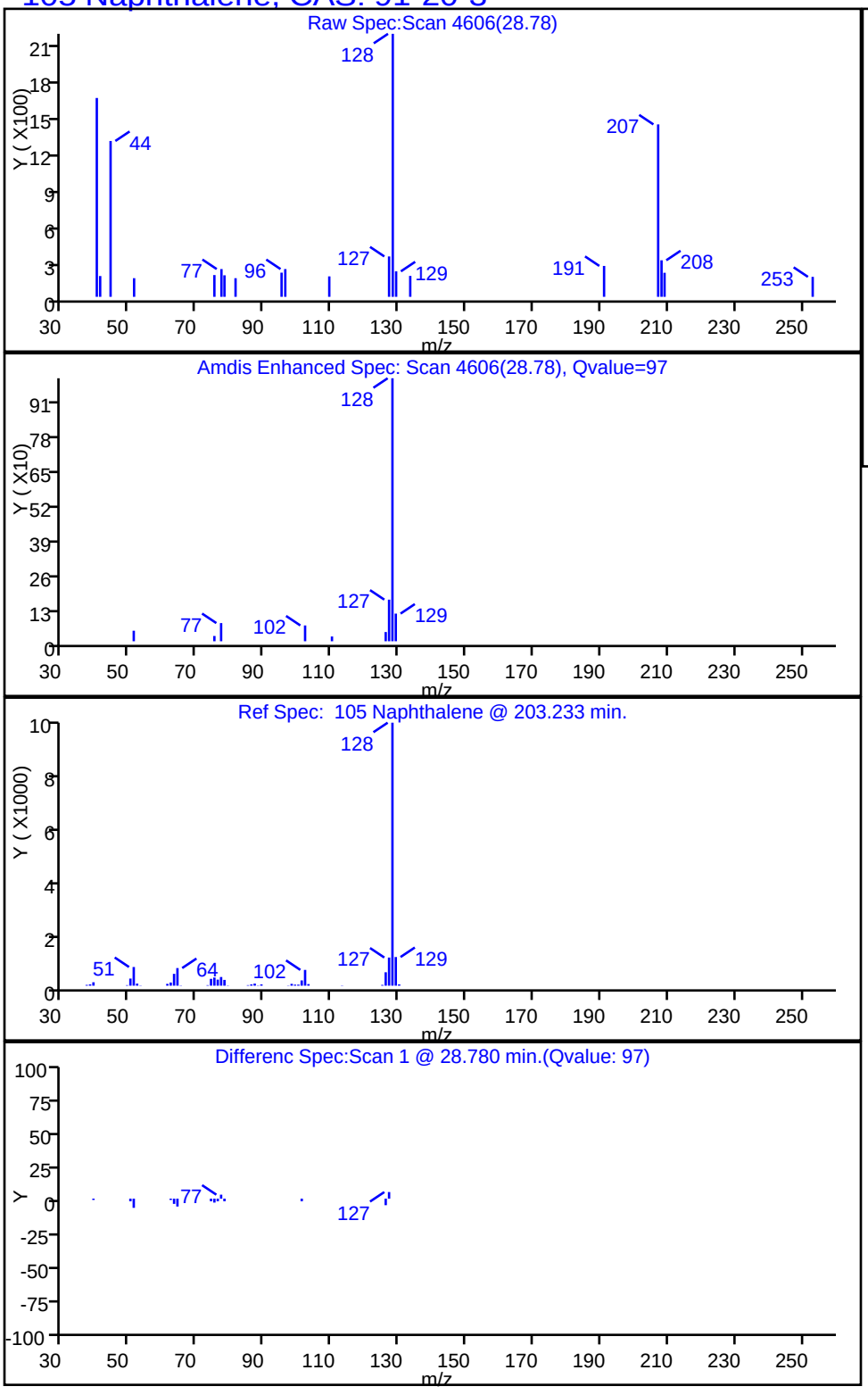


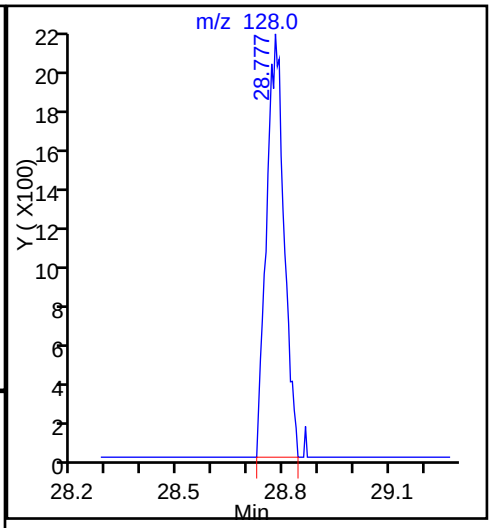


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 Naphthalene, CAS: 91-20-3





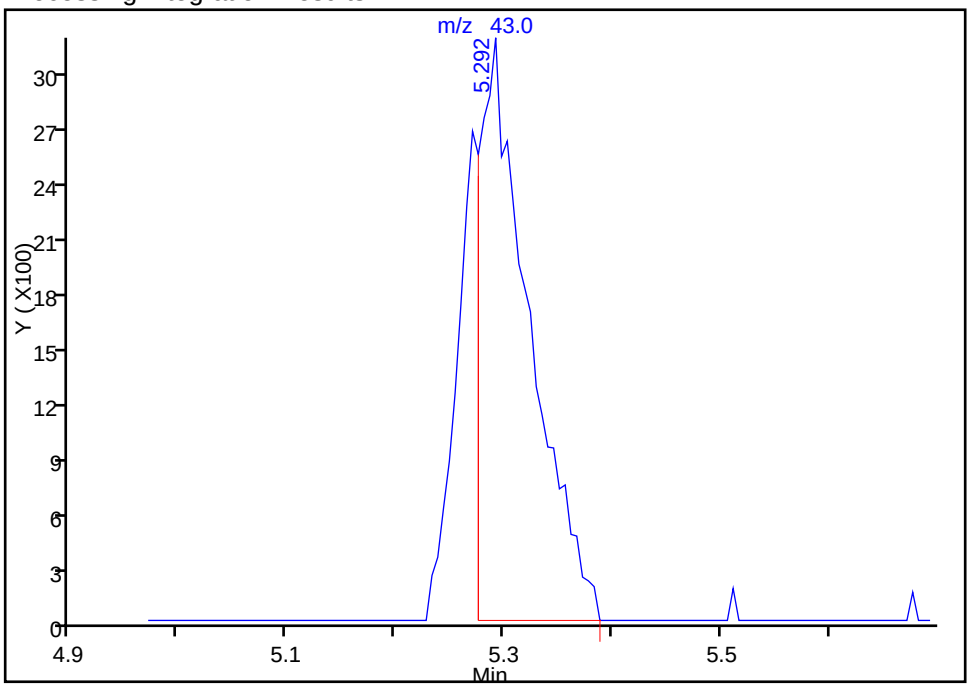
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Butane, CAS: 106-97-8

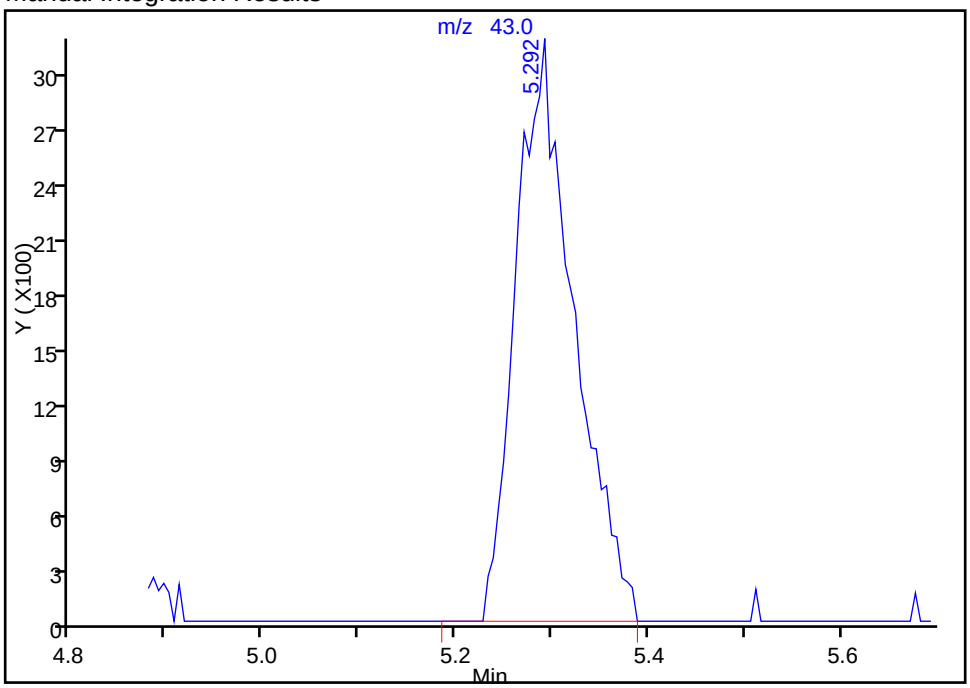
Processing Integration Results

RT: 5.29
Area: 9932
Amount: 0.342882
Amount Units: ppb v/v



Manual Integration Results

RT: 5.29
Area: 13075
Amount: 0.451388
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

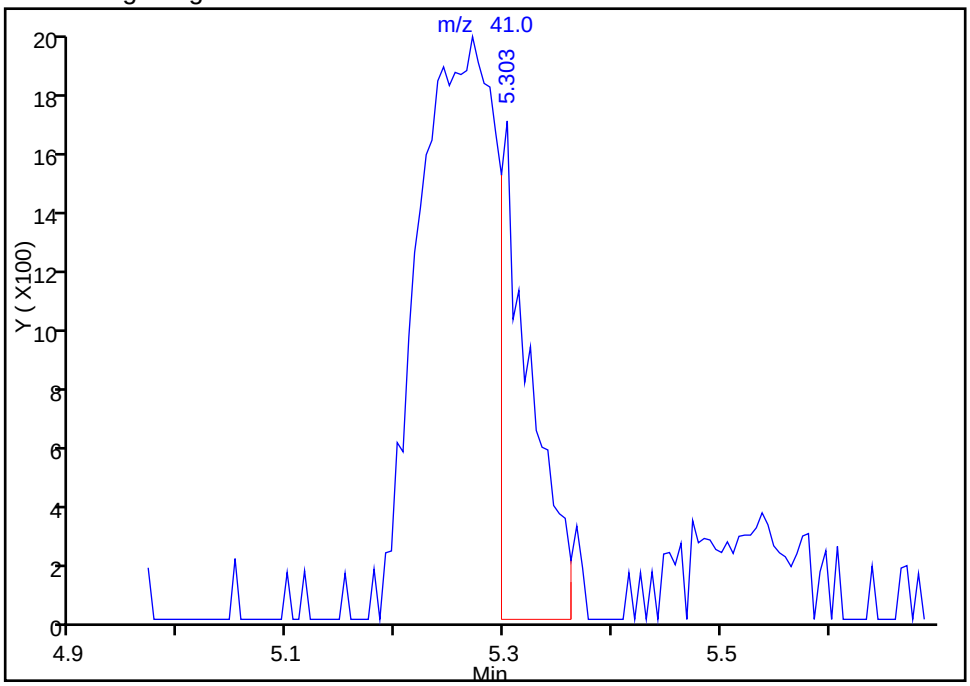
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Butane, CAS: 106-97-8

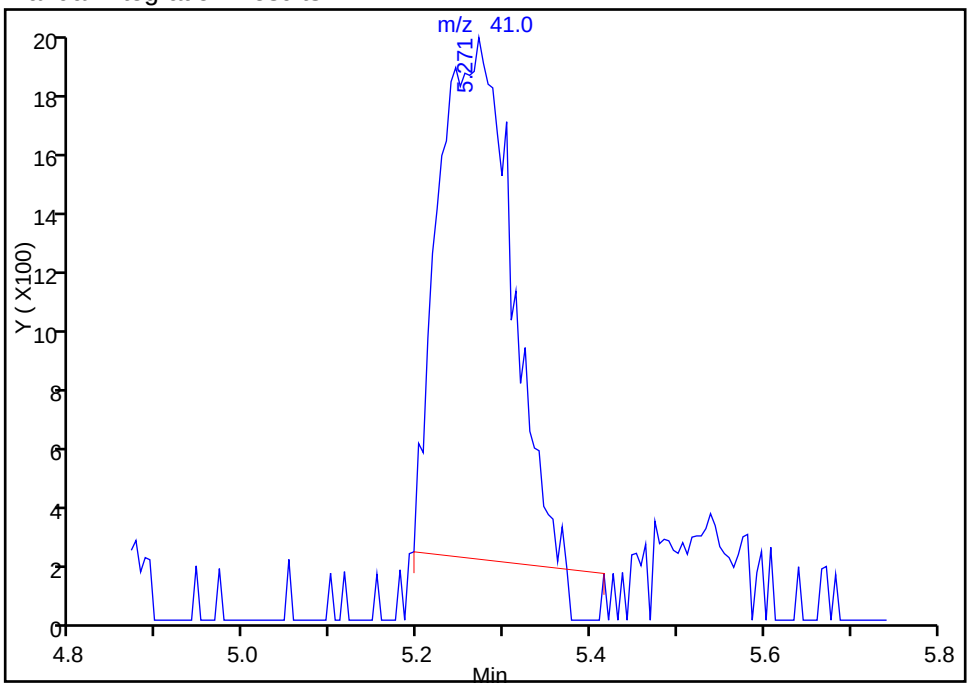
Processing Integration Results

RT: 5.30
Area: 3145
Amount: 0.342882
Amount Units: ppb v/v



Manual Integration Results

RT: 5.27
Area: 9614
Amount: 0.451388
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

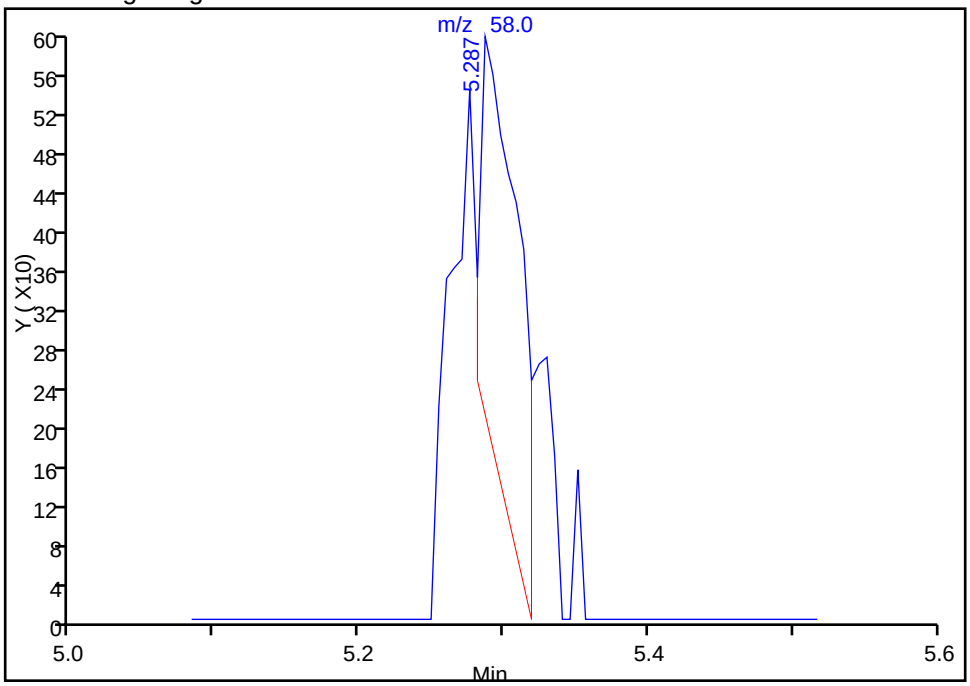
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Butane, CAS: 106-97-8

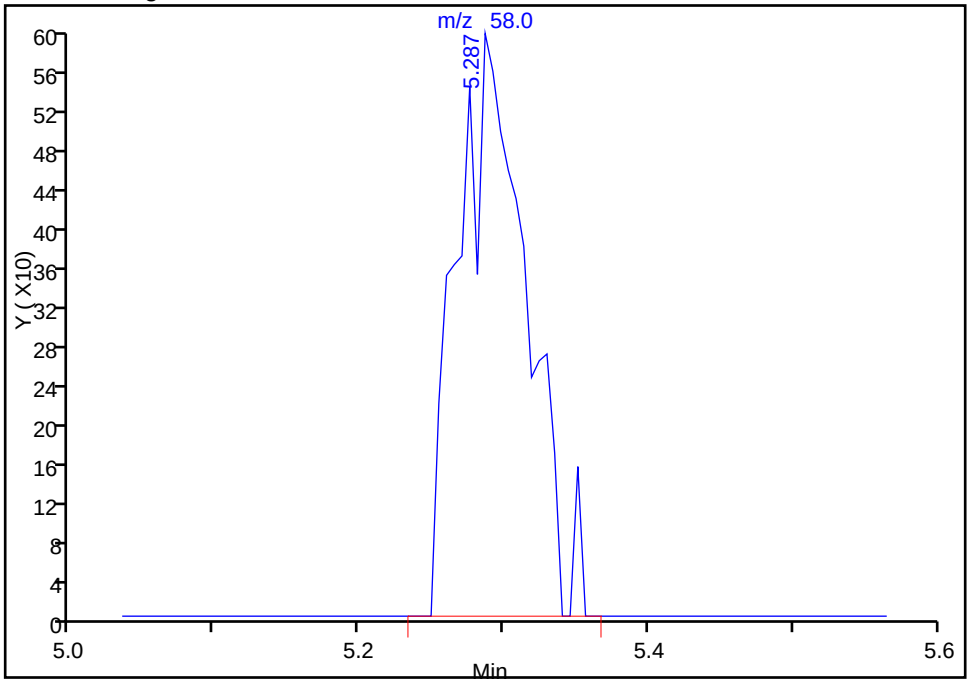
Processing Integration Results

RT: 5.29
Area: 817
Amount: 0.342882
Amount Units: ppb v/v



Manual Integration Results

RT: 5.29
Area: 2000
Amount: 0.451388
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

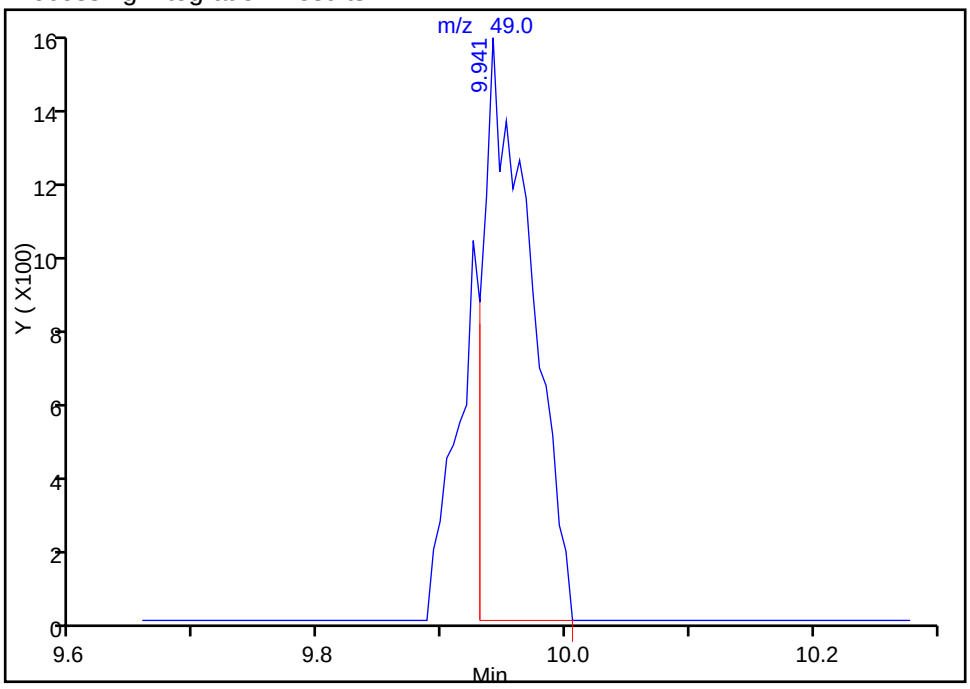
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

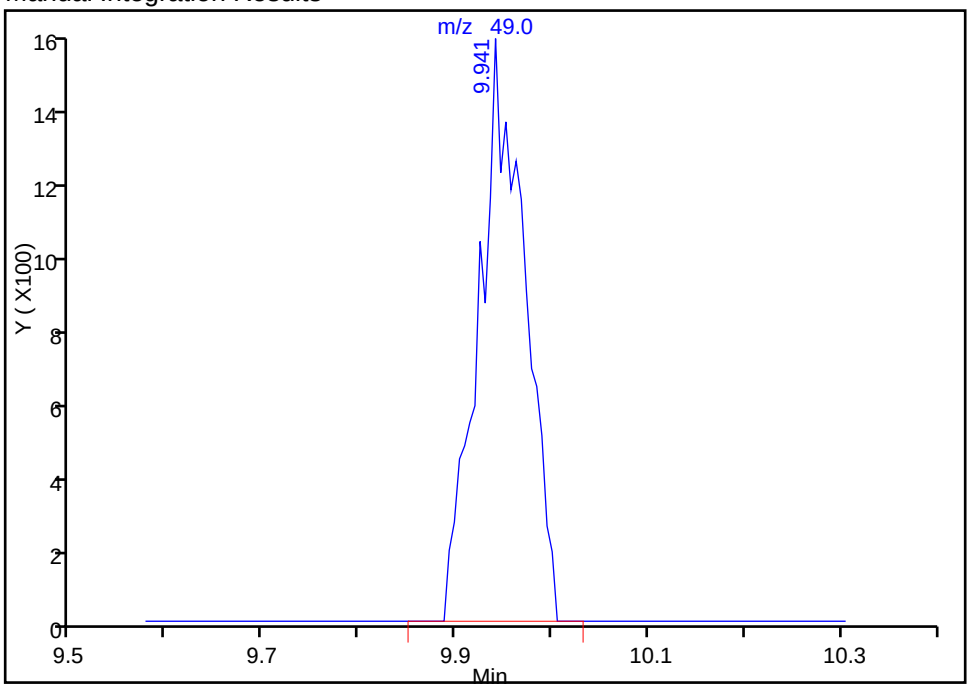
Processing Integration Results

RT: 9.94
Area: 3956
Amount: 0.164918
Amount Units: ppb v/v



Manual Integration Results

RT: 9.94
Area: 5039
Amount: 0.210066
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

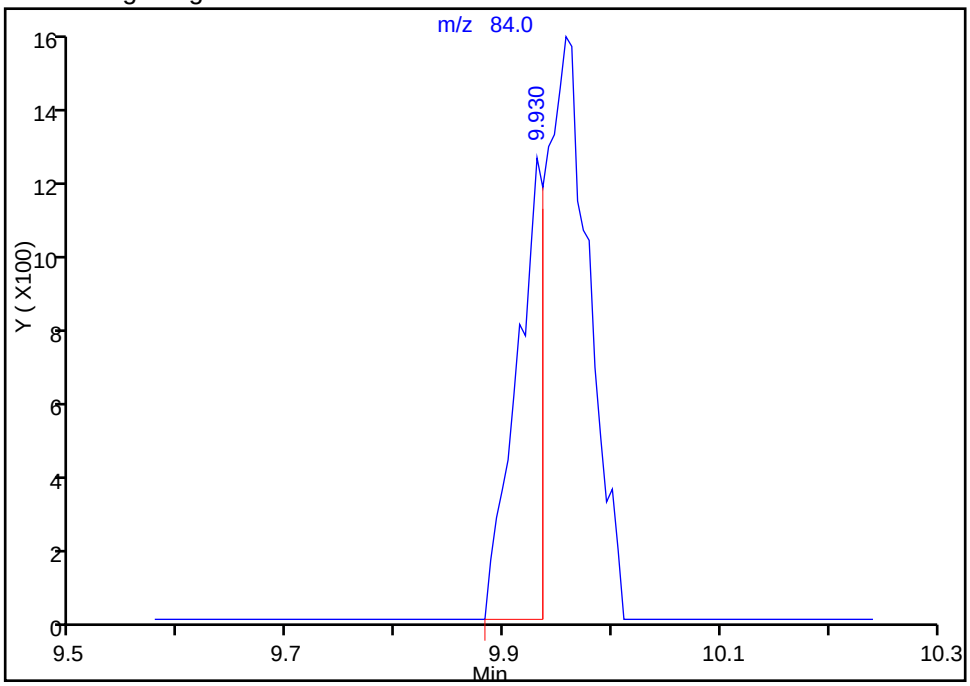
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

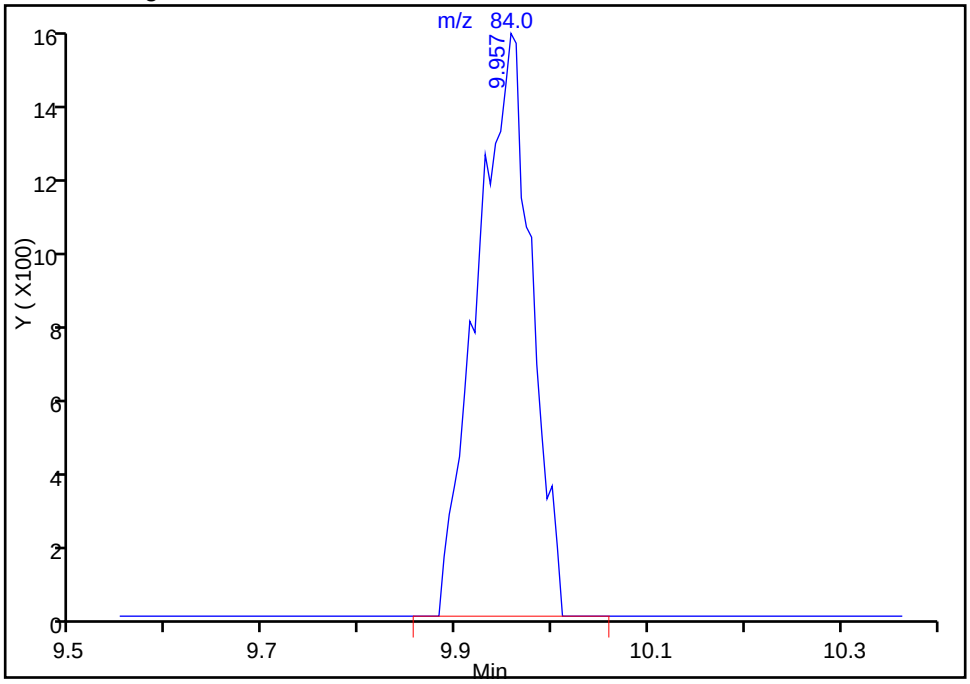
Processing Integration Results

RT: 9.93
Area: 2156
Amount: 0.164918
Amount Units: ppb v/v



Manual Integration Results

RT: 9.96
Area: 6076
Amount: 0.210066
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

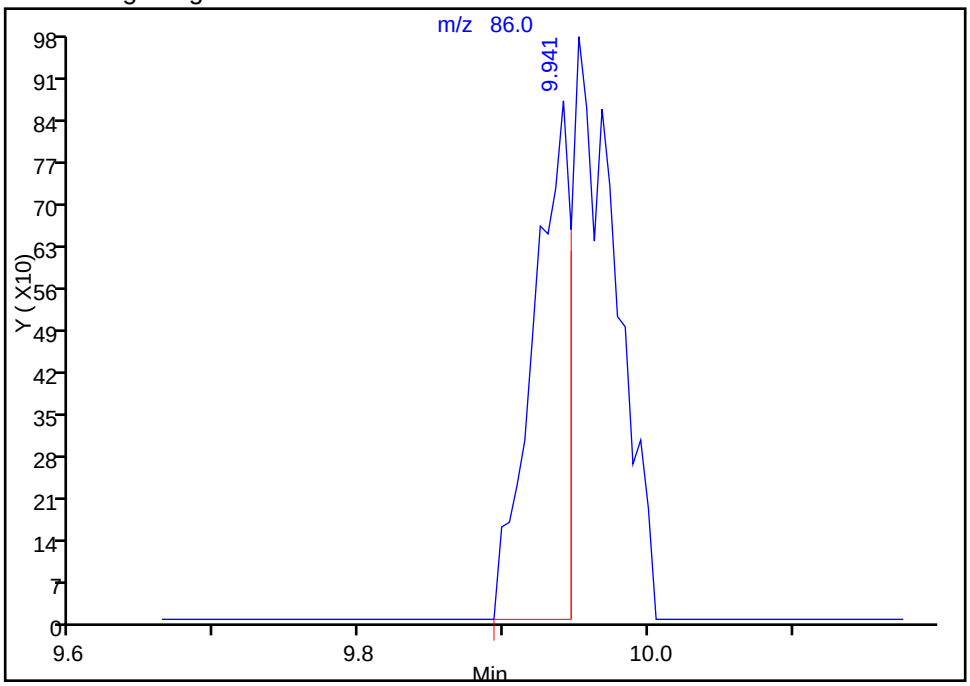
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

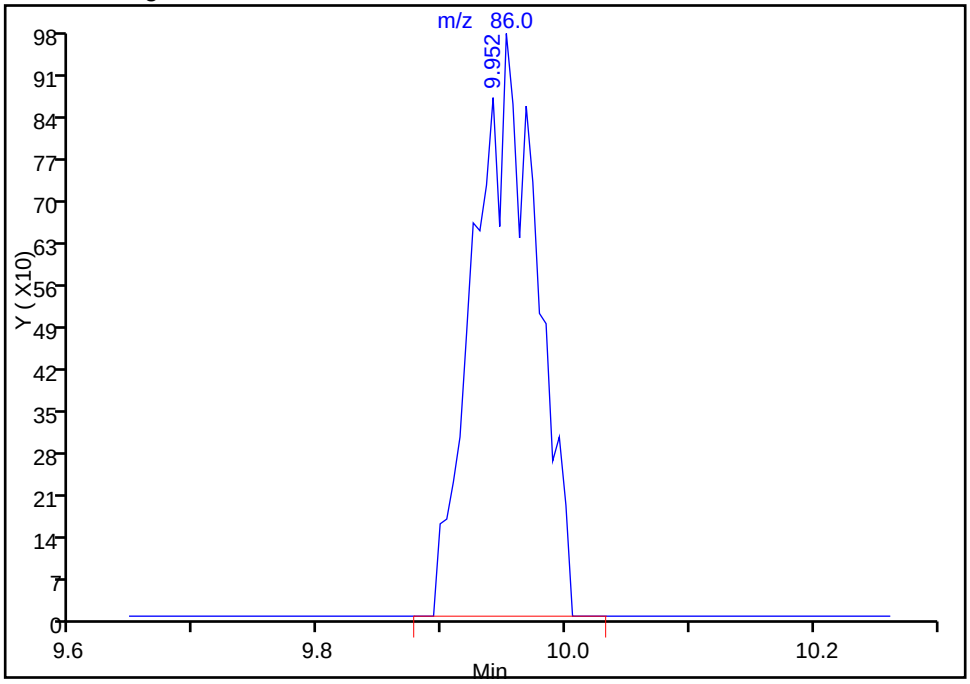
Processing Integration Results

RT: 9.94
Area: 1555
Amount: 0.164918
Amount Units: ppb v/v



Manual Integration Results

RT: 9.95
Area: 3406
Amount: 0.210066
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

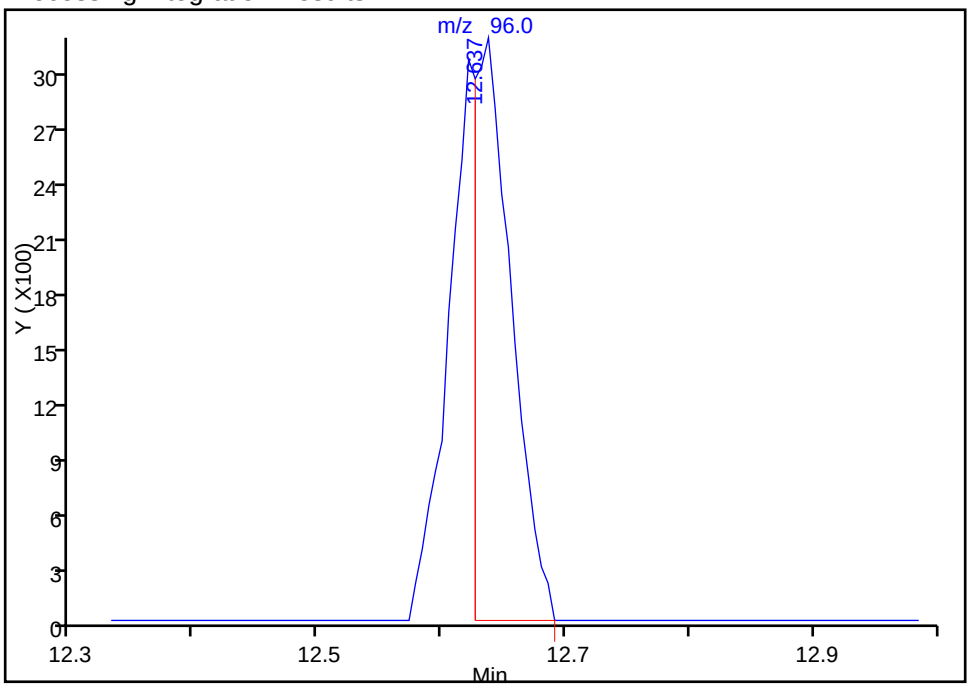
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 cis-1,2-Dichloroethene, CAS: 156-59-2

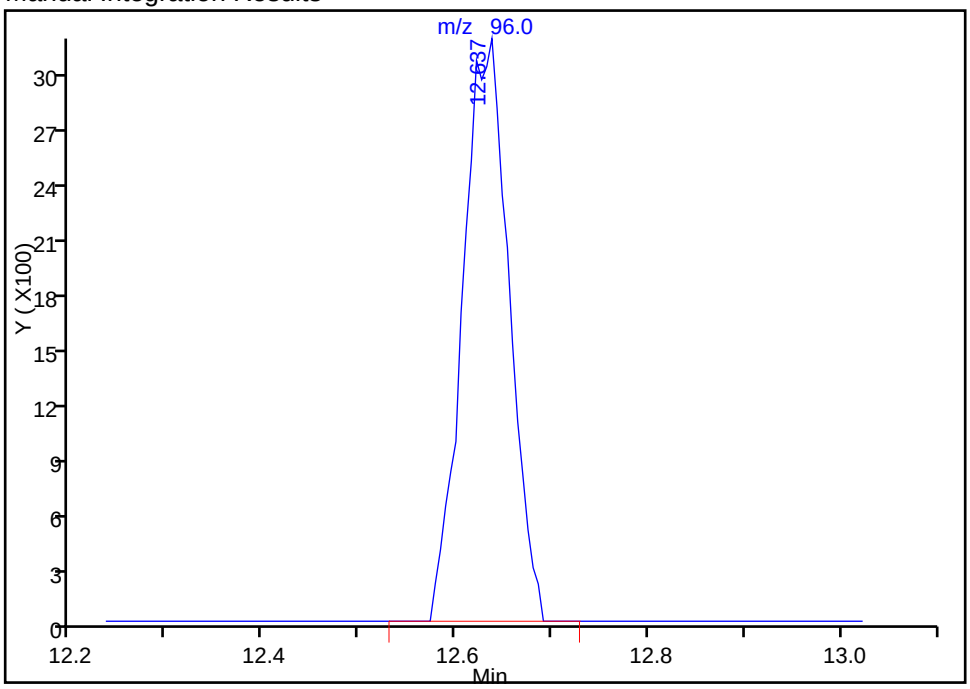
Processing Integration Results

RT: 12.64
Area: 6553
Amount: 0.182553
Amount Units: ppb v/v



Manual Integration Results

RT: 12.64
Area: 10478
Amount: 0.291895
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

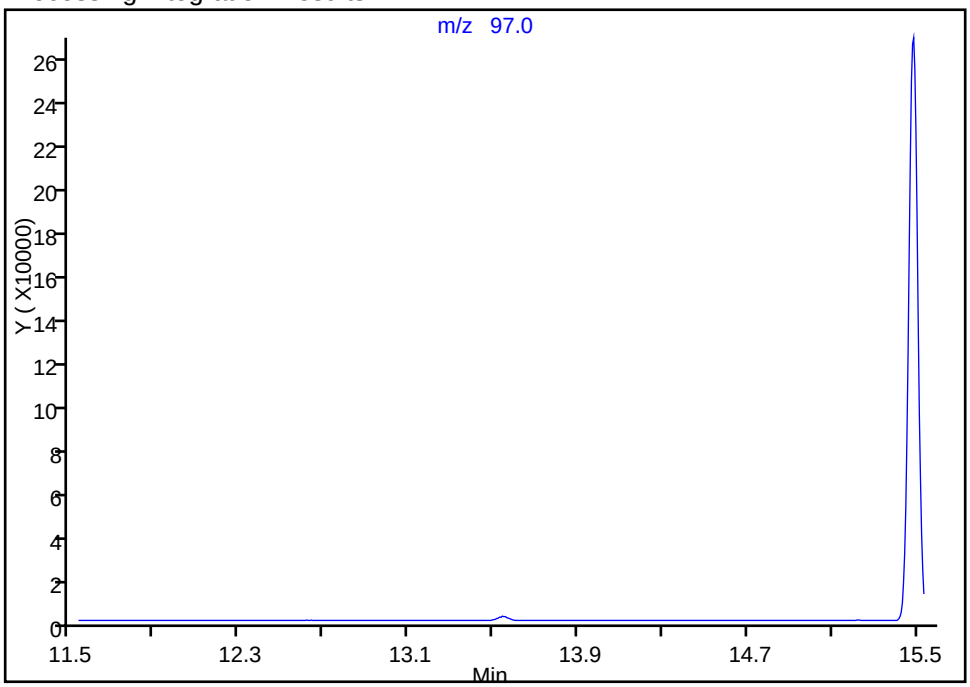
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 1,1,1-Trichloroethane, CAS: 71-55-6

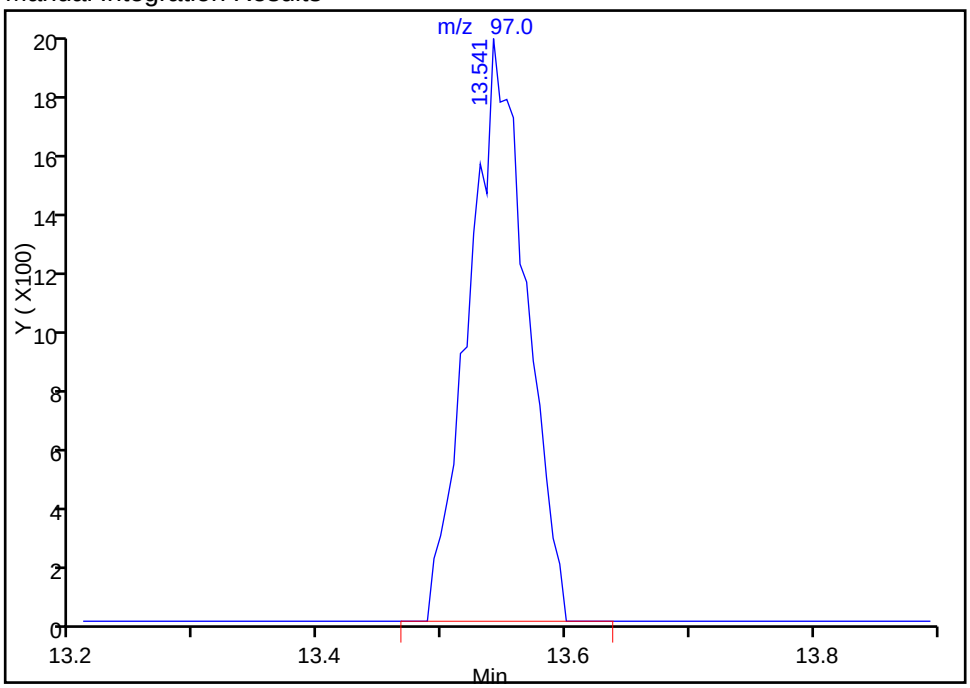
Not Detected
Expected RT: 13.54

Processing Integration Results



Manual Integration Results

RT: 13.54
Area: 6234
Amount: 0.092314
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

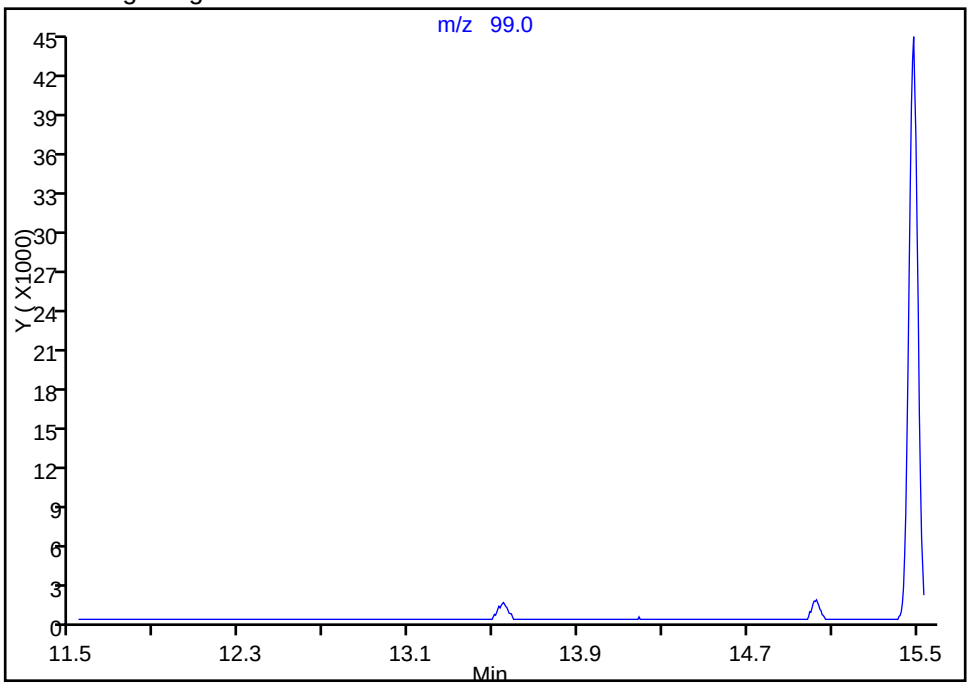
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 1,1,1-Trichloroethane, CAS: 71-55-6

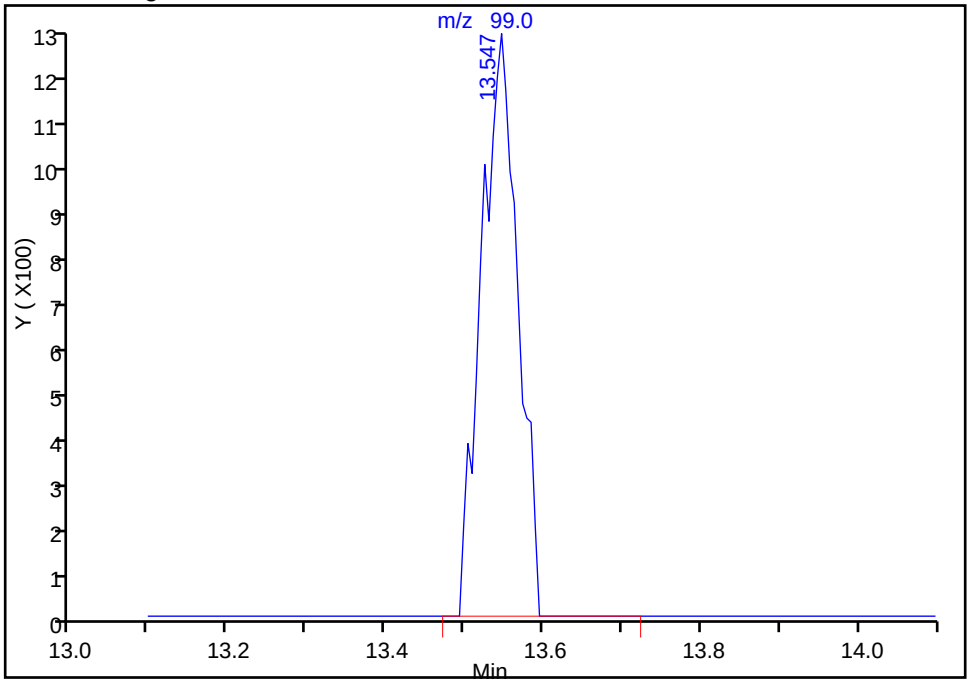
Processing Integration Results

Not Detected
Expected RT: 13.54



Manual Integration Results

RT: 13.55
Area: 4086
Amount: 0.092314
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

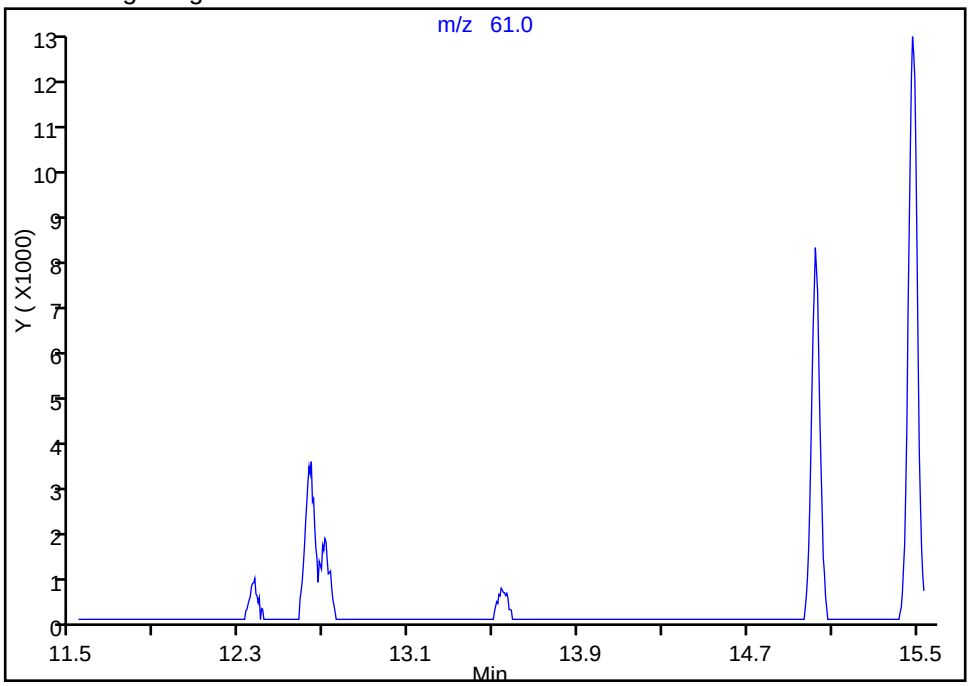
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_009.d				
Injection Date:	10-Sep-2015 15:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-2	Lab Sample ID:	200-29580-2		
Client ID:	785786CA01MA				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 1,1,1-Trichloroethane, CAS: 71-55-6

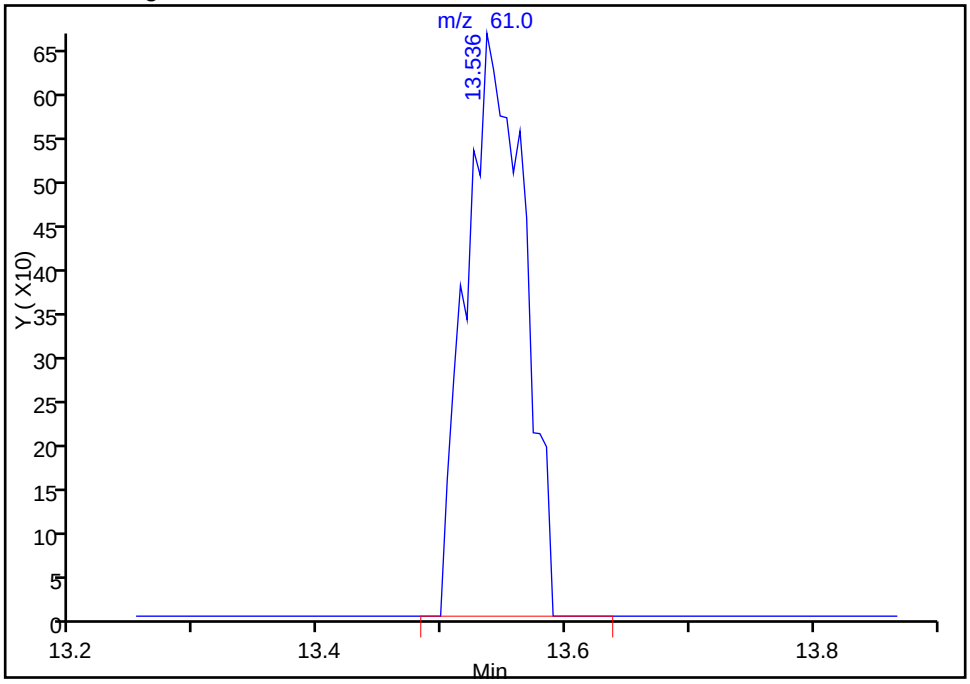
Not Detected
Expected RT: 13.54

Processing Integration Results



Manual Integration Results

RT: 13.54
Area: 2158
Amount: 0.092314
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 10:43:01
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0101NA Lab Sample ID: 200-29580-3

Matrix: Air Lab File ID: 15679_010.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:08

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:56

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.47	J	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.53		0.50	0.060
106-97-8	n-Butane	58.12	0.47	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.37		0.20	0.045
76-13-1	Freon TF	187.38	0.070	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	8.2		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	3.0	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	2.9		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.15	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.25	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.060	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.88		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.099	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.17	J	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.083	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.039	J	0.20	0.023
71-43-2	Benzene	78.11	0.13	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0101NA Lab Sample ID: 200-29580-3

Matrix: Air Lab File ID: 15679_010.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:08

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:56

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.092	J	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	J	0.50	0.18
108-88-3	Toluene	92.14	0.91		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	1.4		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.5		0.50	0.025
95-47-6	Xylene, o-	106.17	0.53		0.20	0.018
1330-20-7	Xylene (total)	106.17	2.0		0.70	0.041
100-42-5	Styrene	104.15	0.13	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.10	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.091	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.10	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.37		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.15	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.11	J	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.17	J	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0101NA Lab Sample ID: 200-29580-3

Matrix: Air Lab File ID: 15679_010.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:08

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:56

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.10	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0101NA Lab Sample ID: 200-29580-3

Matrix: Air Lab File ID: 15679_010.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:08

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:56

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.1		1.0	0.12
106-97-8	n-Butane	58.12	1.1	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	2.1		1.1	0.25
76-13-1	Freon TF	187.38	0.54	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	20		12	1.6
67-63-0	Isopropyl alcohol	60.10	7.4	J	12	0.37
75-15-0	Carbon disulfide	76.14	9.0		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.53	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.77	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.21	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	2.6		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.49	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.59	J	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.52	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.18	J	0.93	0.11
71-43-2	Benzene	78.11	0.43	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0101NA | Lab Sample ID: 200-29580-3

Matrix: Air | Lab File ID: 15679_010.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 11:08

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 15:56

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.50	J	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.80	J	2.0	0.74
108-88-3	Toluene	92.14	3.4		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	6.2		0.87	0.087
179601-23-1	m,p-Xylene	106.17	6.3		2.2	0.11
95-47-6	Xylene, o-	106.17	2.3		0.87	0.078
1330-20-7	Xylene (total)	106.17	8.8		3.0	0.18
100-42-5	Styrene	104.15	0.54	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.49	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.45	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.52	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.49	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	1.8		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.81	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.65	J	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	1.0	J	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0101NA Lab Sample ID: 200-29580-3

Matrix: Air Lab File ID: 15679_010.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:08

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 15:56

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.54	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Sample Type: Client
Inject. Date: 10-Sep-2015 15:56:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-010
Misc. Info.: 29580-3
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 10:58:22 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 10:58:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.415	4.415	0.000	97	39661	0.4659	
3 Chlorodifluoromethane	51		4.485				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	5.014	4.998	0.016	98	11674	0.5284	
6 Butane	43	5.292	5.282	0.010	98	15022	0.4664	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.304	7.288	0.016	98	34479	0.3677	
20 1,1,2-Trichloro-1,2,2-trif	101	8.598	8.593	0.005	72	4942	0.0700	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.951	8.946	0.005	96	281627	8.22	
23 Carbon disulfide	76	9.165	9.166	-0.001	98	238393	2.90	
24 Isopropyl alcohol	45	9.230	9.224	0.006	100	88697	2.99	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.930	9.931	-0.001	82	4081	0.1530	
28 2-Methyl-2-propanol	59	10.134	10.123	0.011	95	11953	0.2545	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61	10.433	10.433	0.000	88	1045	0.0261	
33 Hexane	57	10.867	10.856	0.011	83	2579	0.0598	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.659	12.654	0.005	100	15284	0.8825	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	72	264235	10.0	
41 Tetrahydrofuran	42	13.130	13.114	0.016	37	2253	0.0922	
42 Chloroform	83	13.226	13.221	0.005	94	6921	0.0993	
43 Cyclohexane	84	13.515	13.515	0.000	93	8126	0.1705	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.788	13.788	0.000	94	6214	0.0830	
46 Isooctane	57	14.194	14.189	0.005	96	5386	0.0393	
47 Benzene	78	14.253	14.259	-0.005	94	14066	0.1336	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1223530	10.0	
53 Trichloroethene	95	15.483	15.484	-0.001	94	4569	0.0924	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.629	17.629	0.000	95	10644	0.1959	
65 Toluene	92	17.960	17.960	0.000	92	78283	0.9130	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43		19.266				ND	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		1.99	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1189142	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.903	20.903	0.000	97	267344	1.43	
78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	100	112120	1.45	
79 o-Xylene	106	21.807	21.807	0.000	98	42549	0.5344	
80 Styrene	104	21.844	21.839	0.005	85	15570	0.1278	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.353	22.353	-0.001	95	22764	0.1003	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.978	22.979	-0.001	99	23754	0.0909	
88 4-Ethyltoluene	105	23.139	23.144	-0.005	96	24759	0.1064	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.241	23.235	0.006	94	19952	0.1006	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	97	73497	0.3673	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	98	37288	0.1475	
96 1,3-Dichlorobenzene	146	24.337	24.337	0.000	95	16738	0.1081	
97 1,4-Dichlorobenzene	146	24.487	24.487	0.000	96	26426	0.1712	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.772	28.772	0.000	99	25174	0.1038	

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

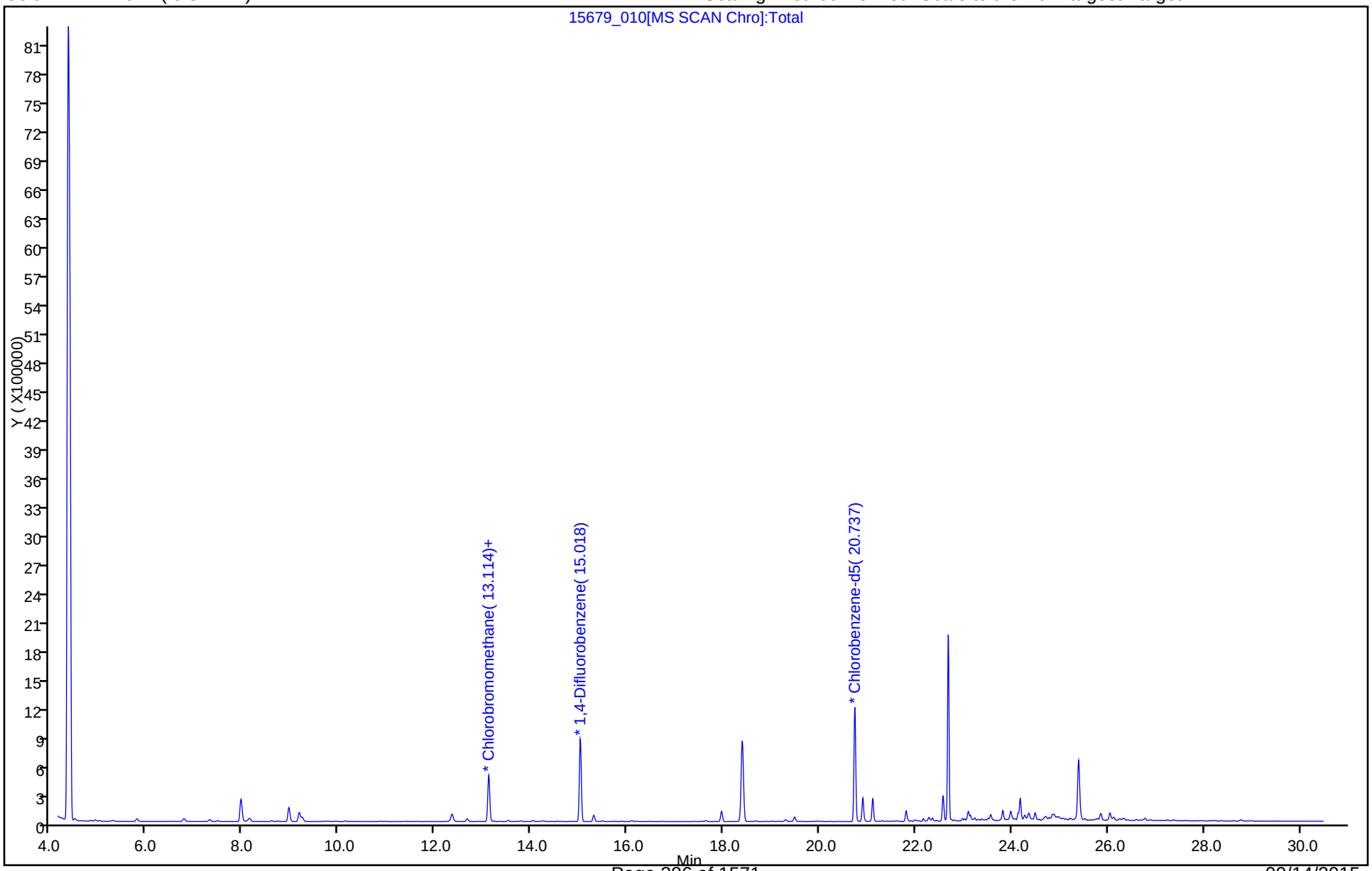
Report Date: 11-Sep-2015 10:58:22 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d

Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3	Worklist Smp#:	10
Client ID:	774VMP0101NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

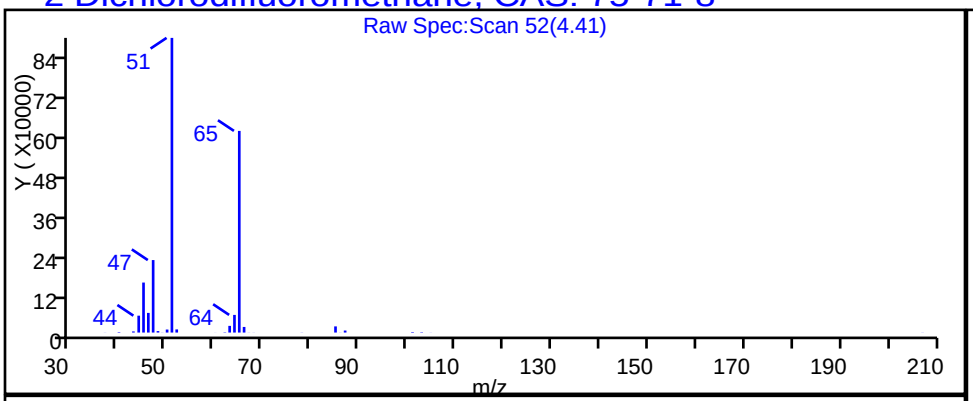
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

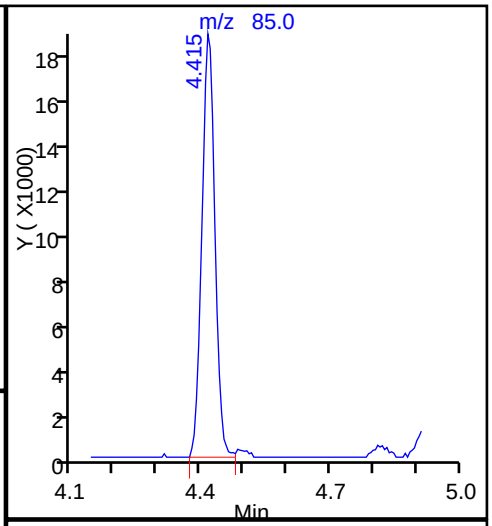


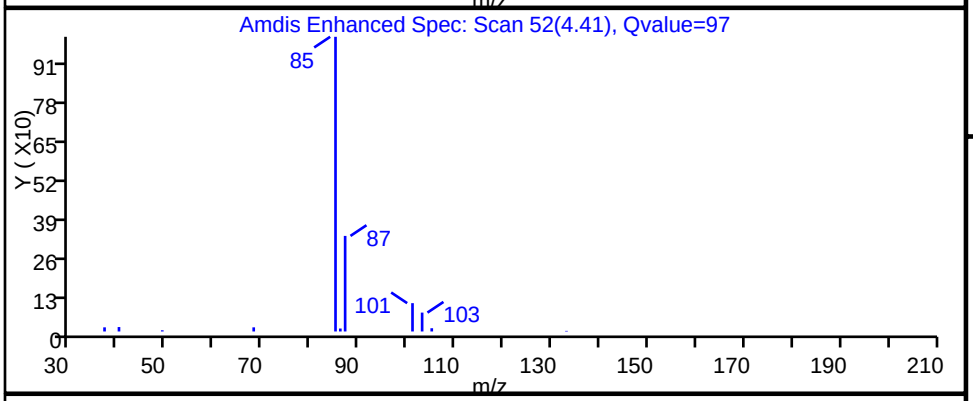
TestAmerica Burlington

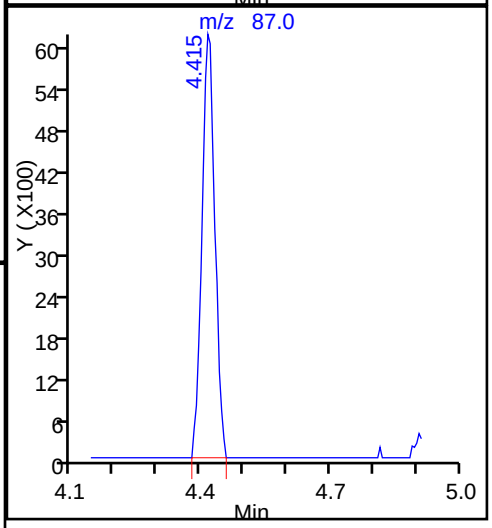
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

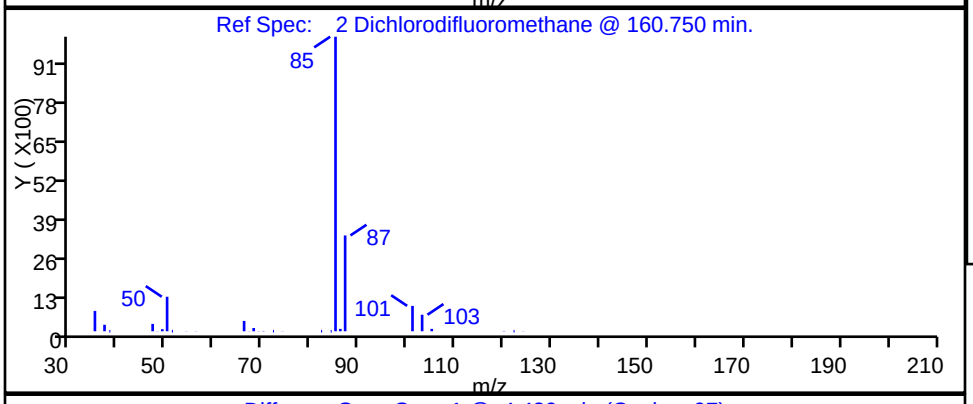
2 Dichlorodifluoromethane, CAS: 75-71-8

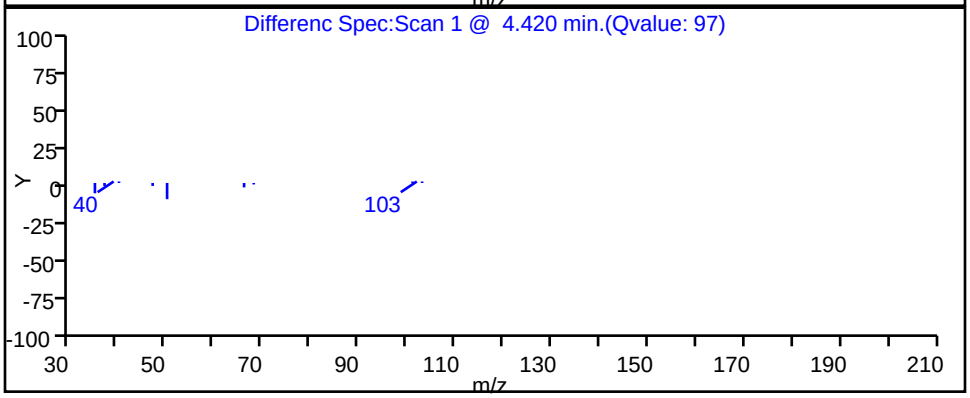








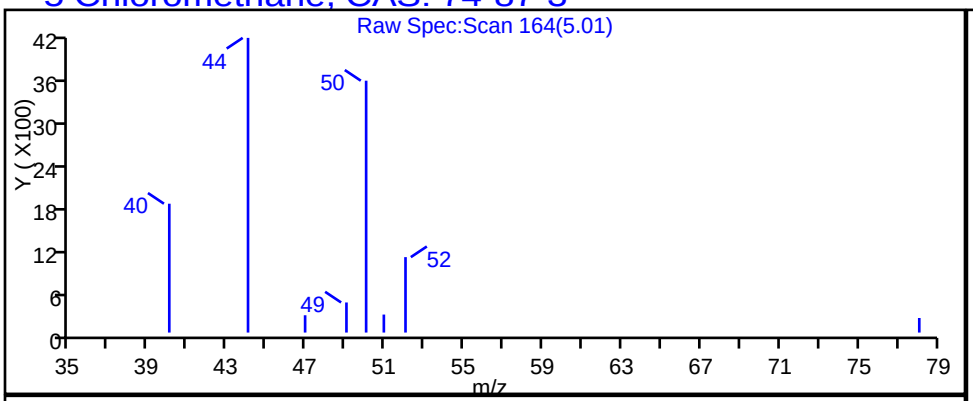


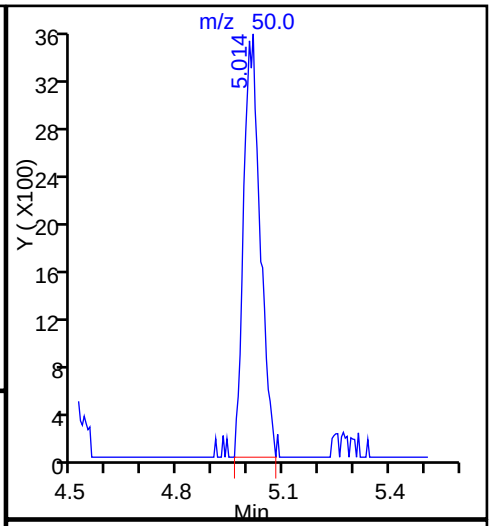


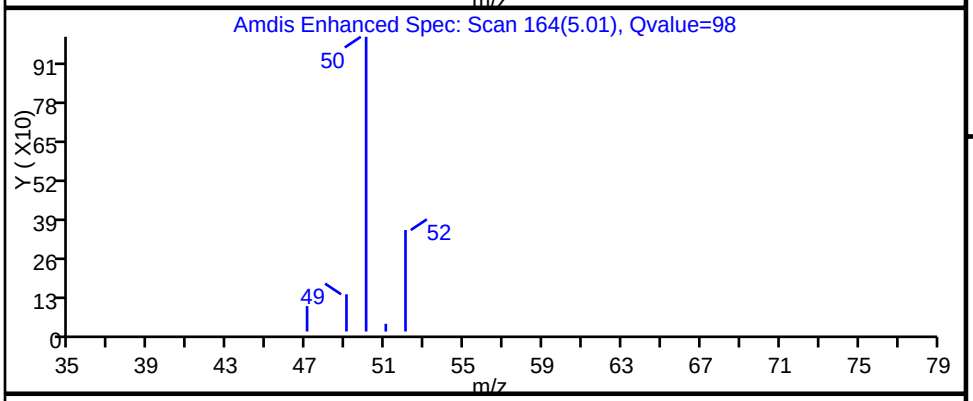
TestAmerica Burlington

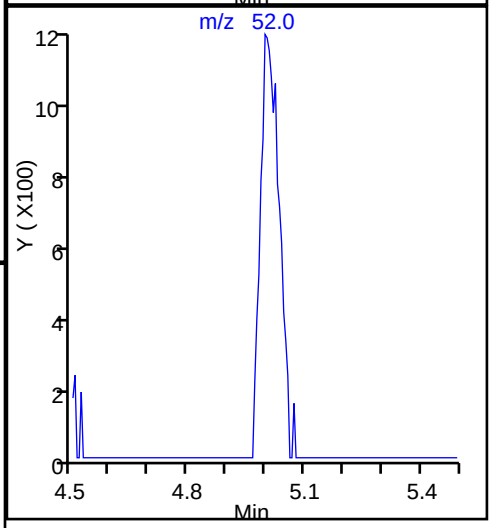
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

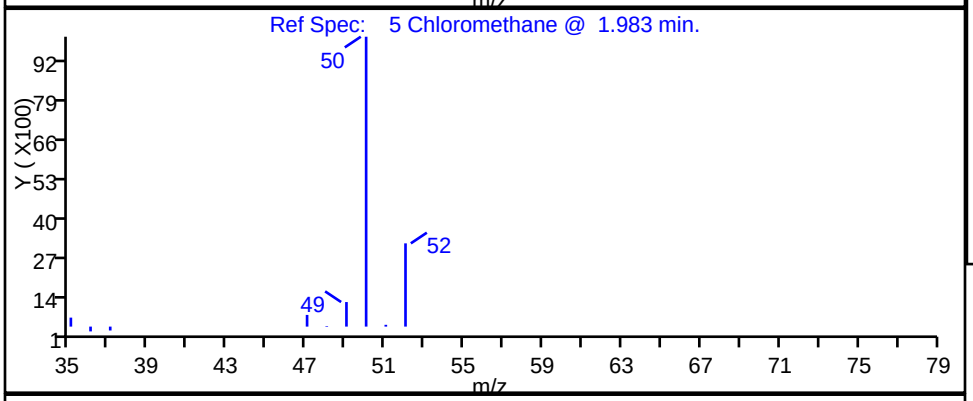
5 Chloromethane, CAS: 74-87-3

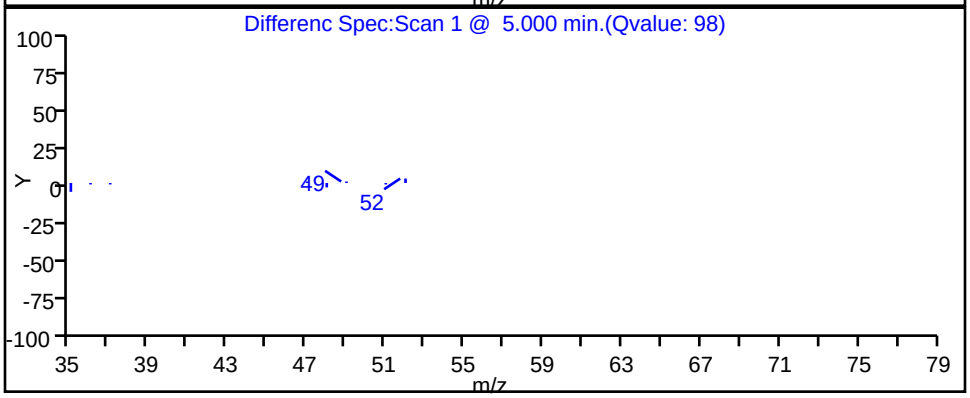








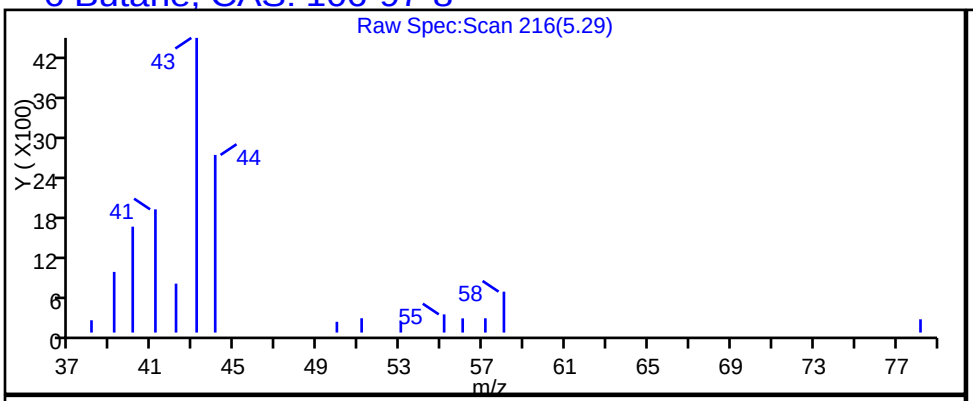


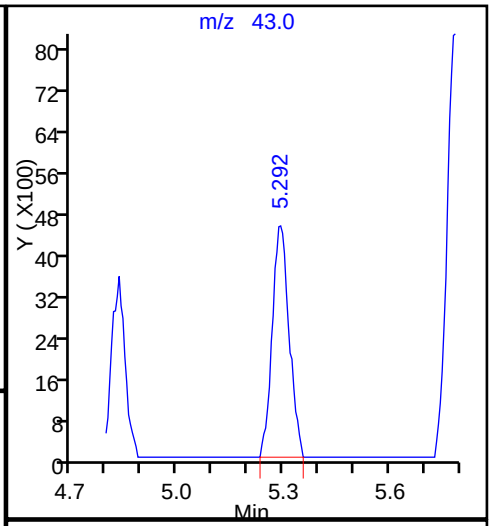


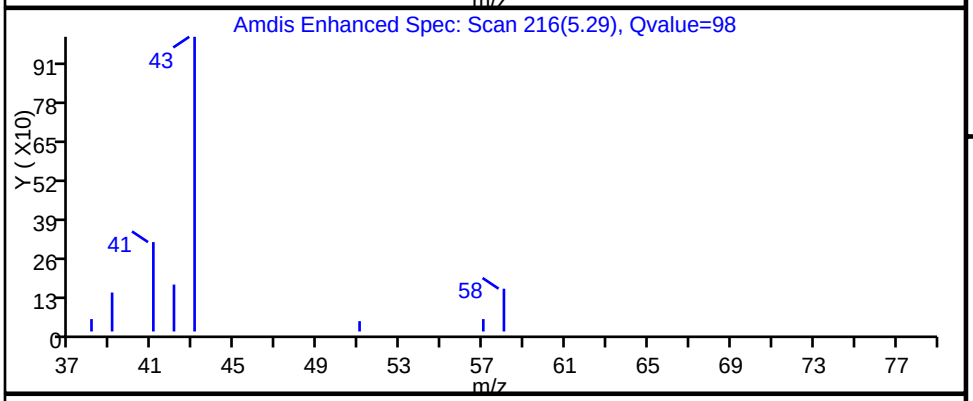
TestAmerica Burlington

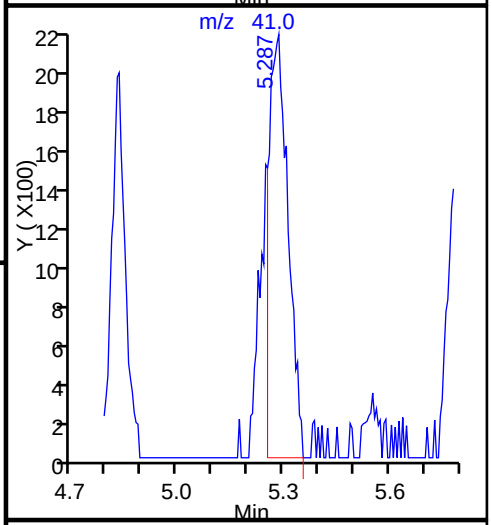
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

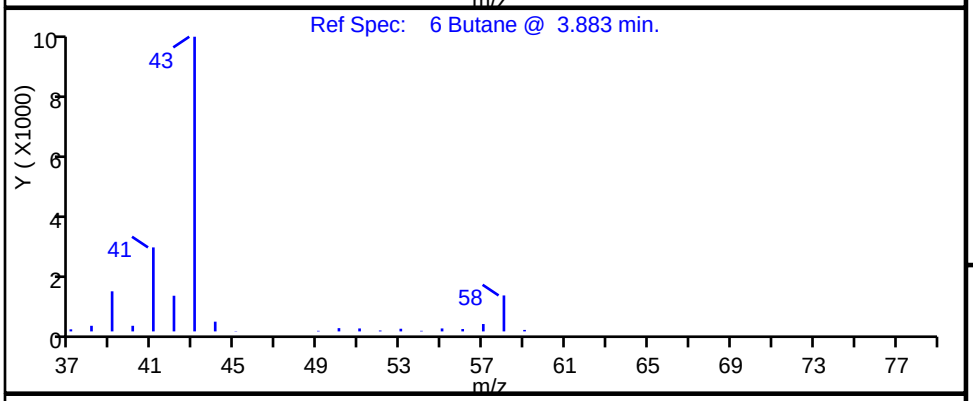
6 Butane, CAS: 106-97-8

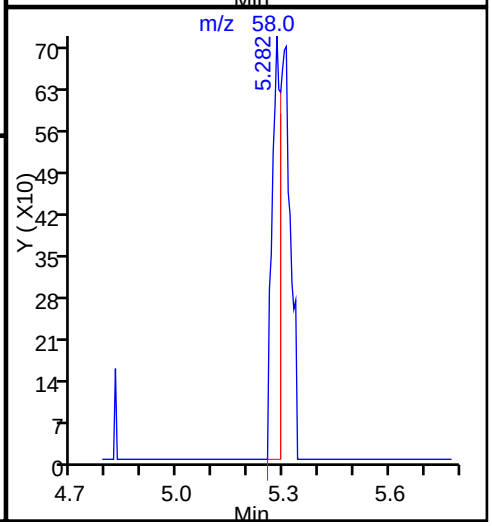


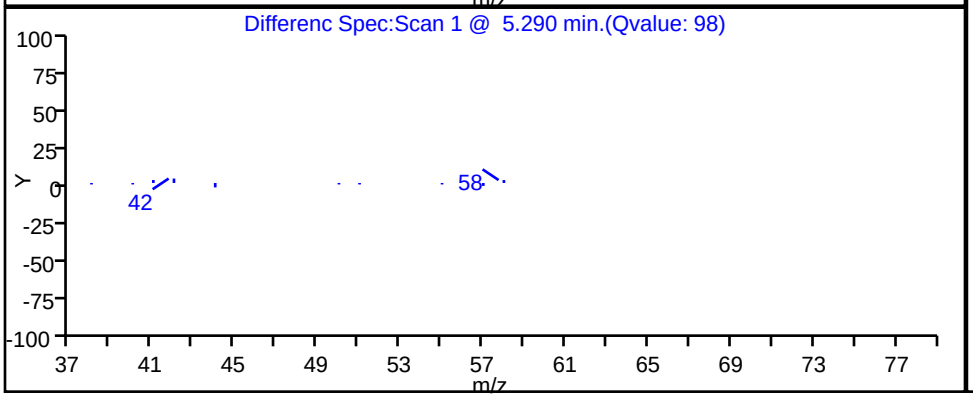






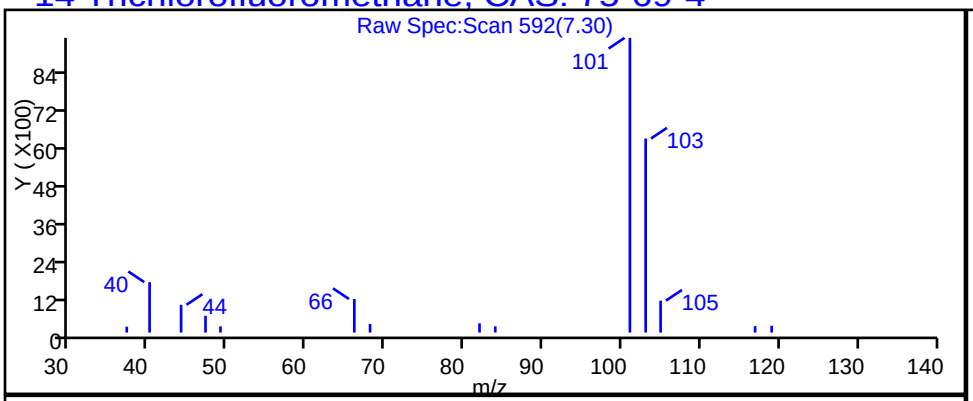


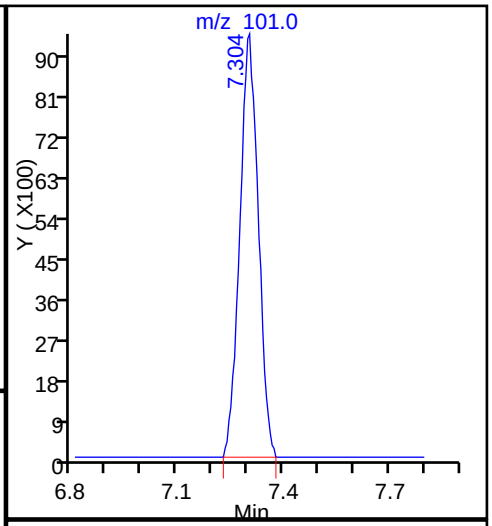


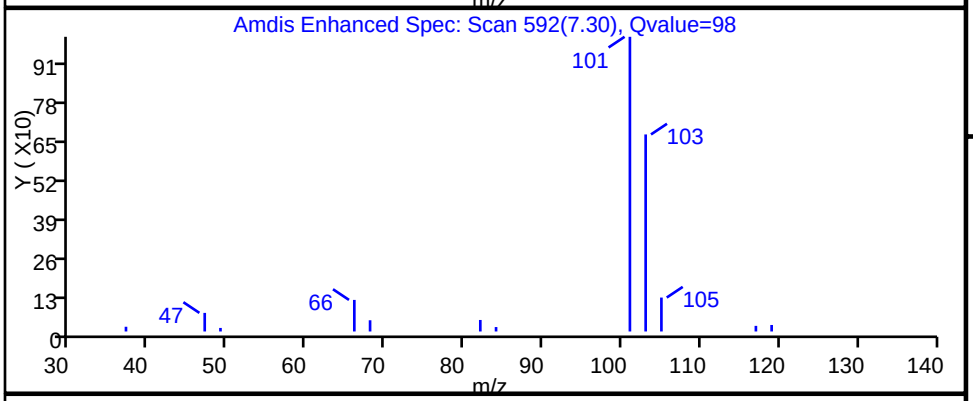


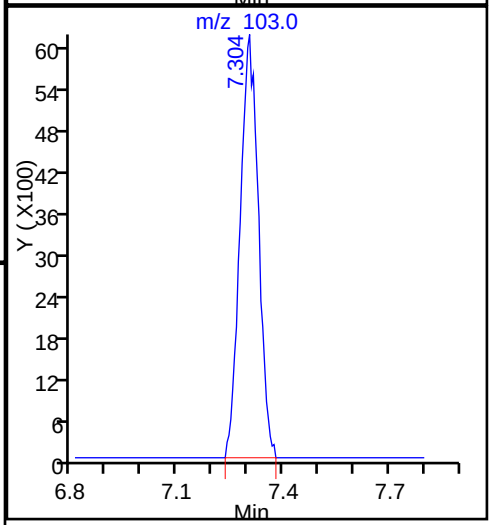
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

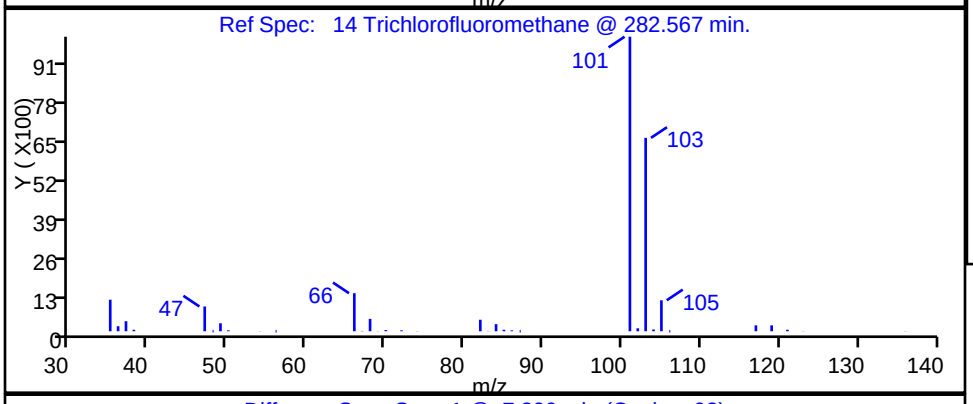
14 Trichlorofluoromethane, CAS: 75-69-4

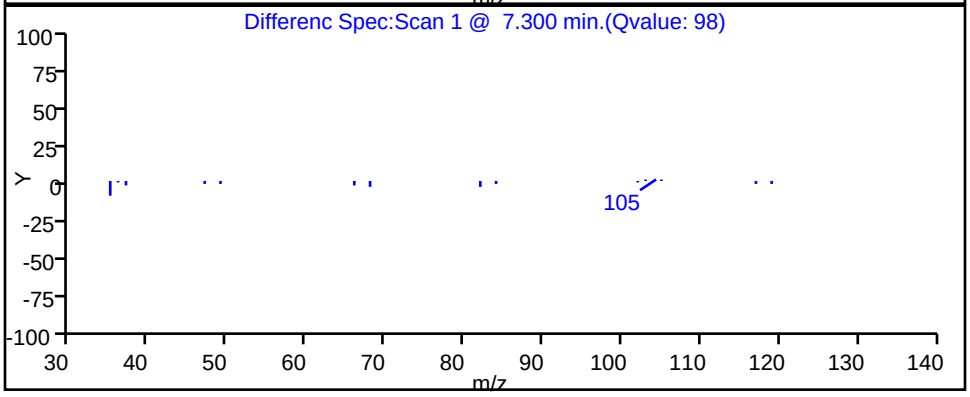






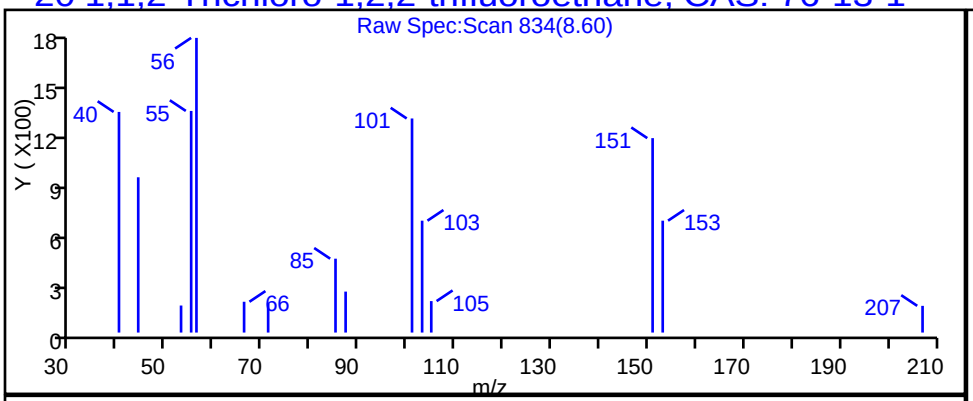


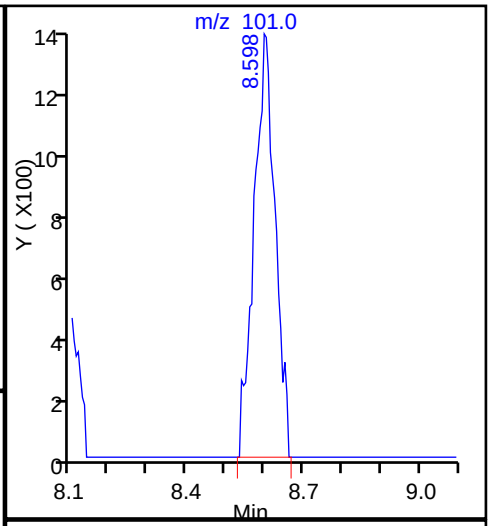


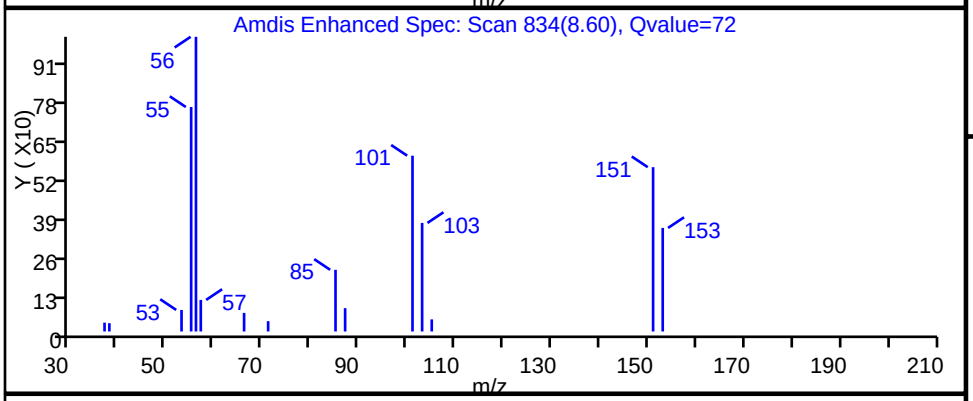


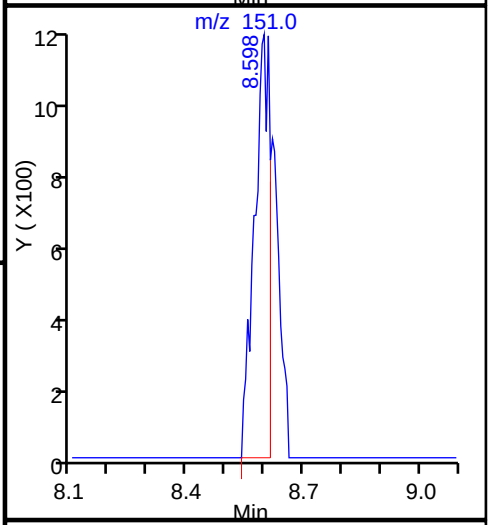
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

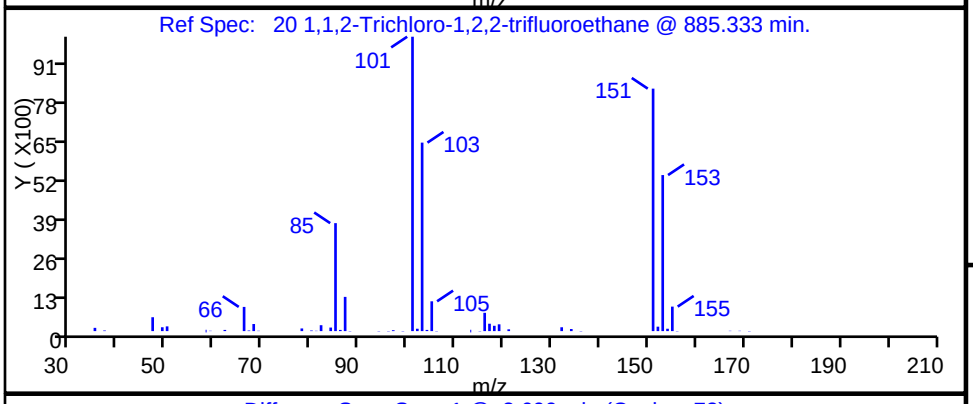
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

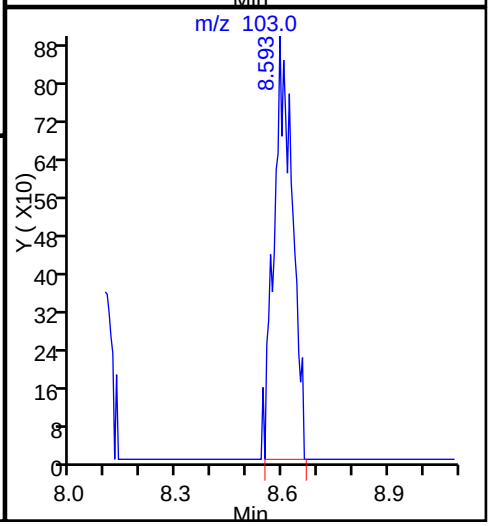


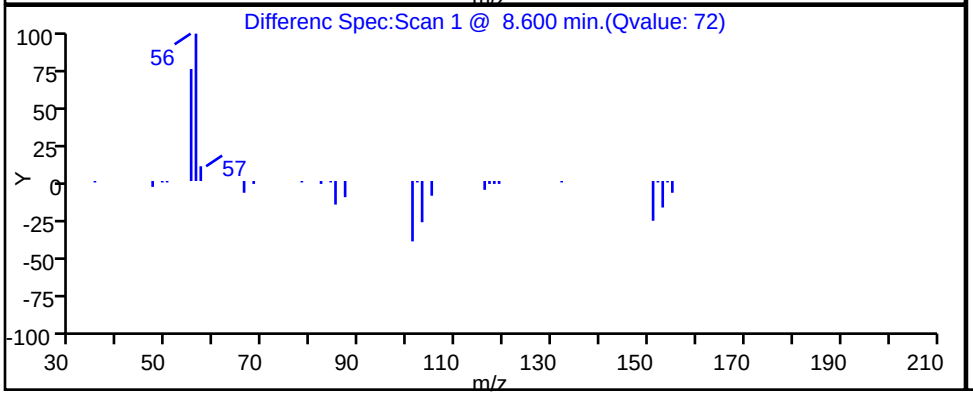






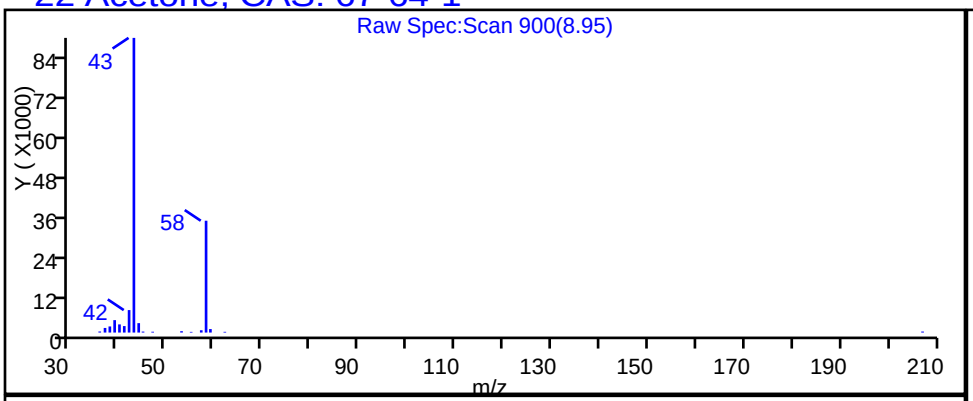


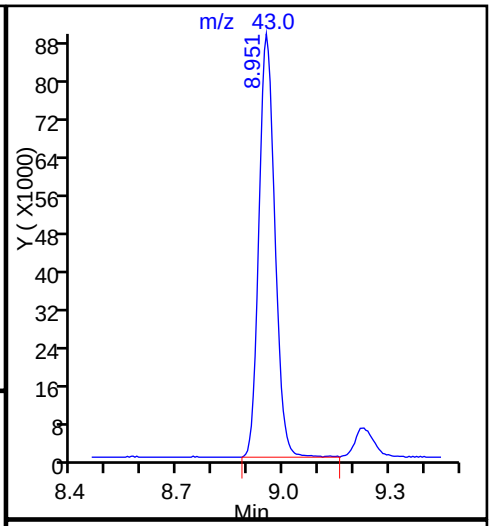


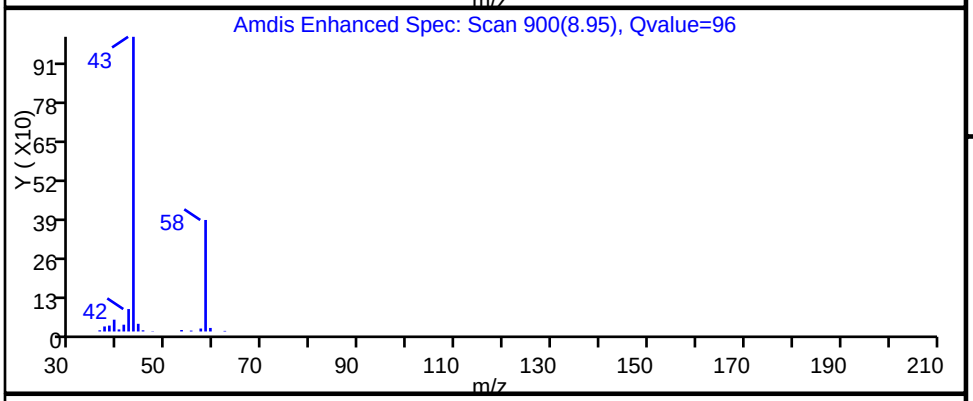


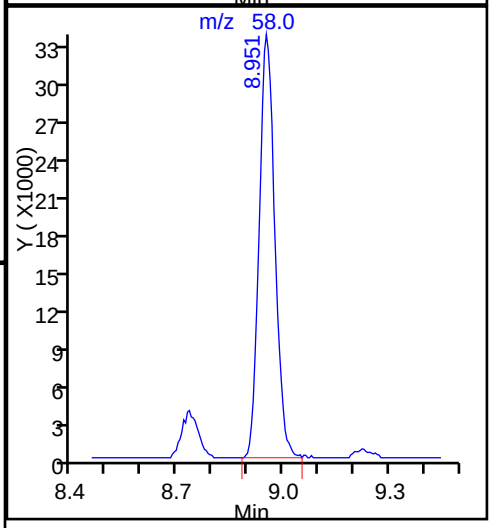
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

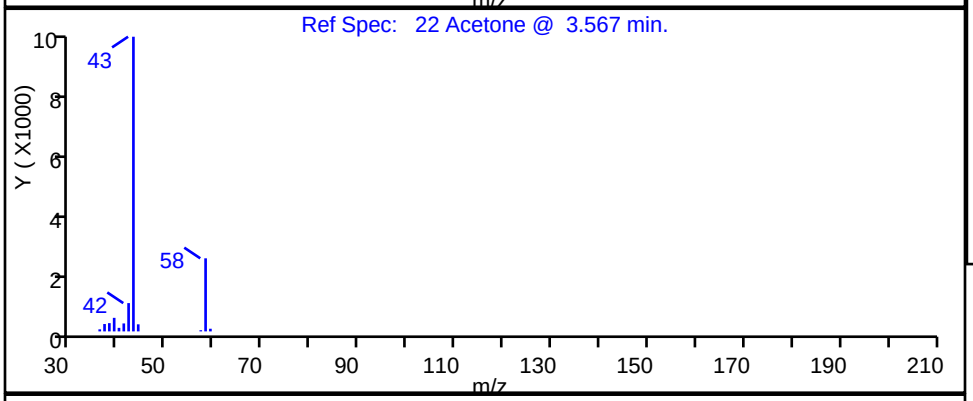
22 Acetone, CAS: 67-64-1

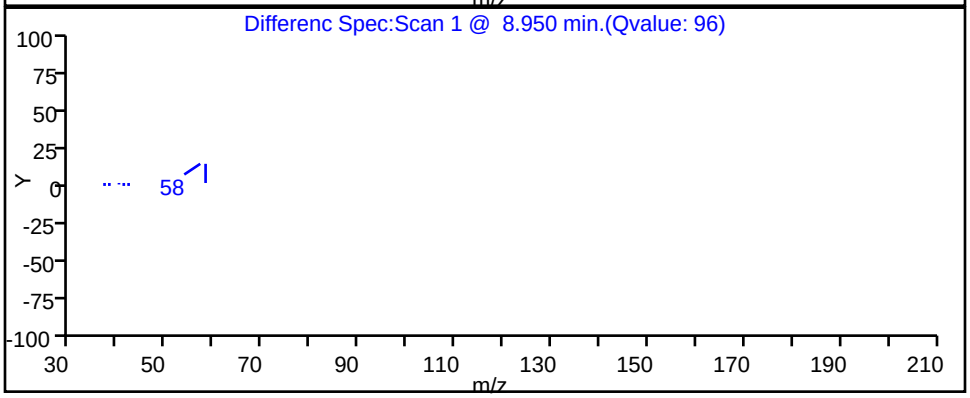






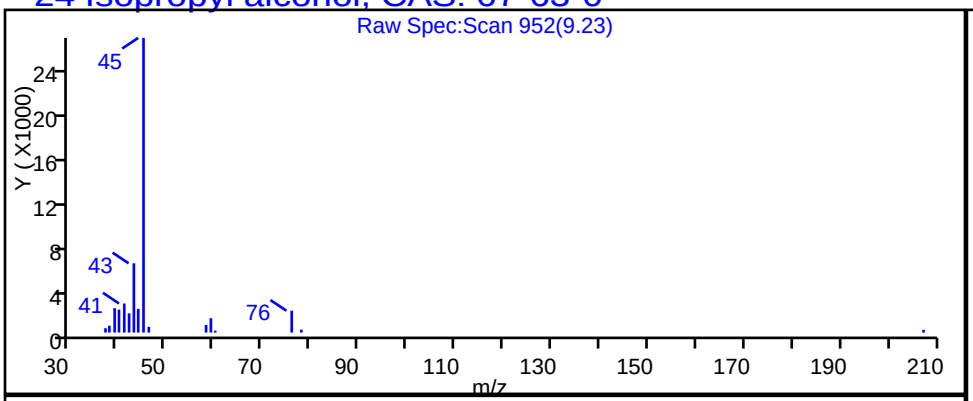


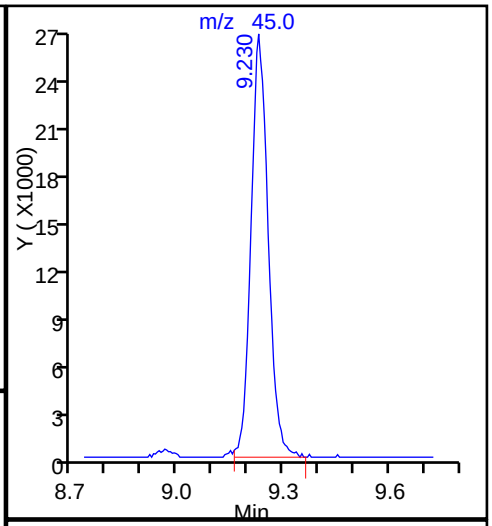


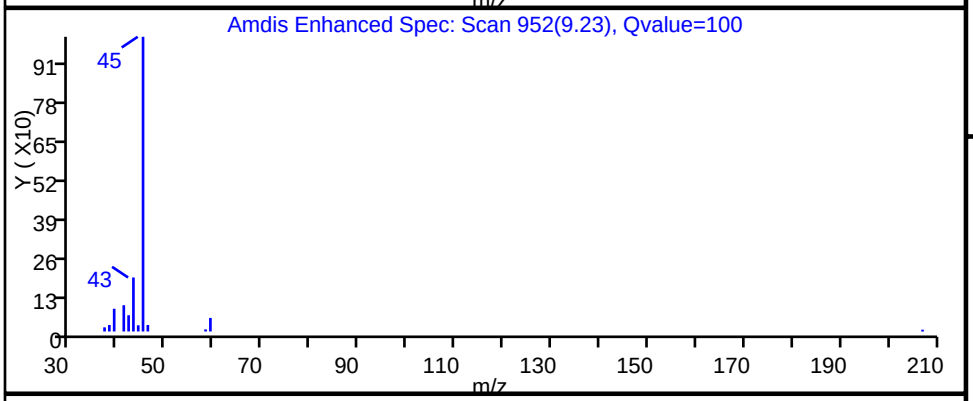


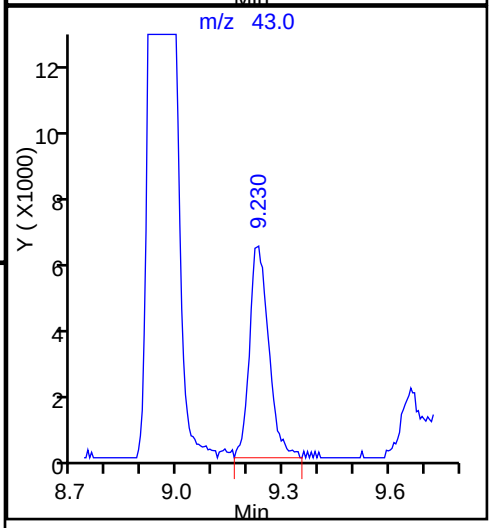
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

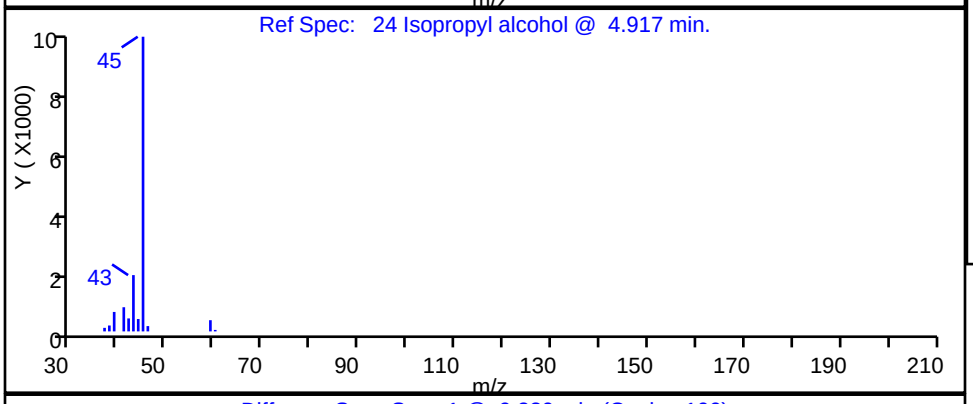
24 Isopropyl alcohol, CAS: 67-63-0

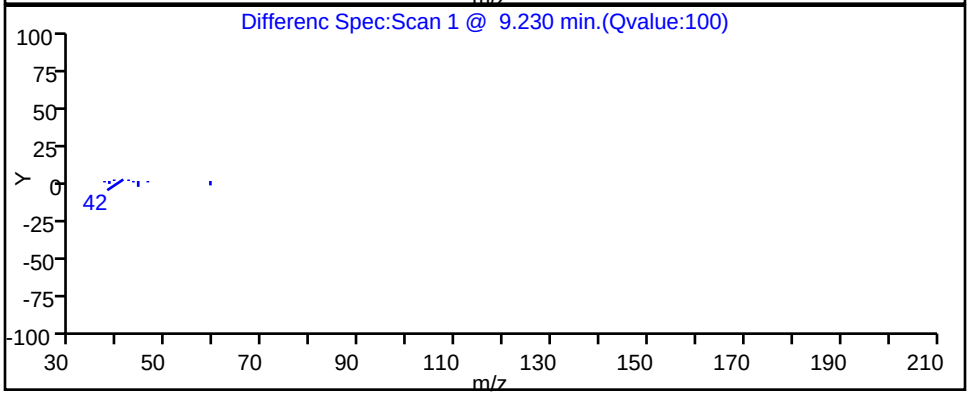






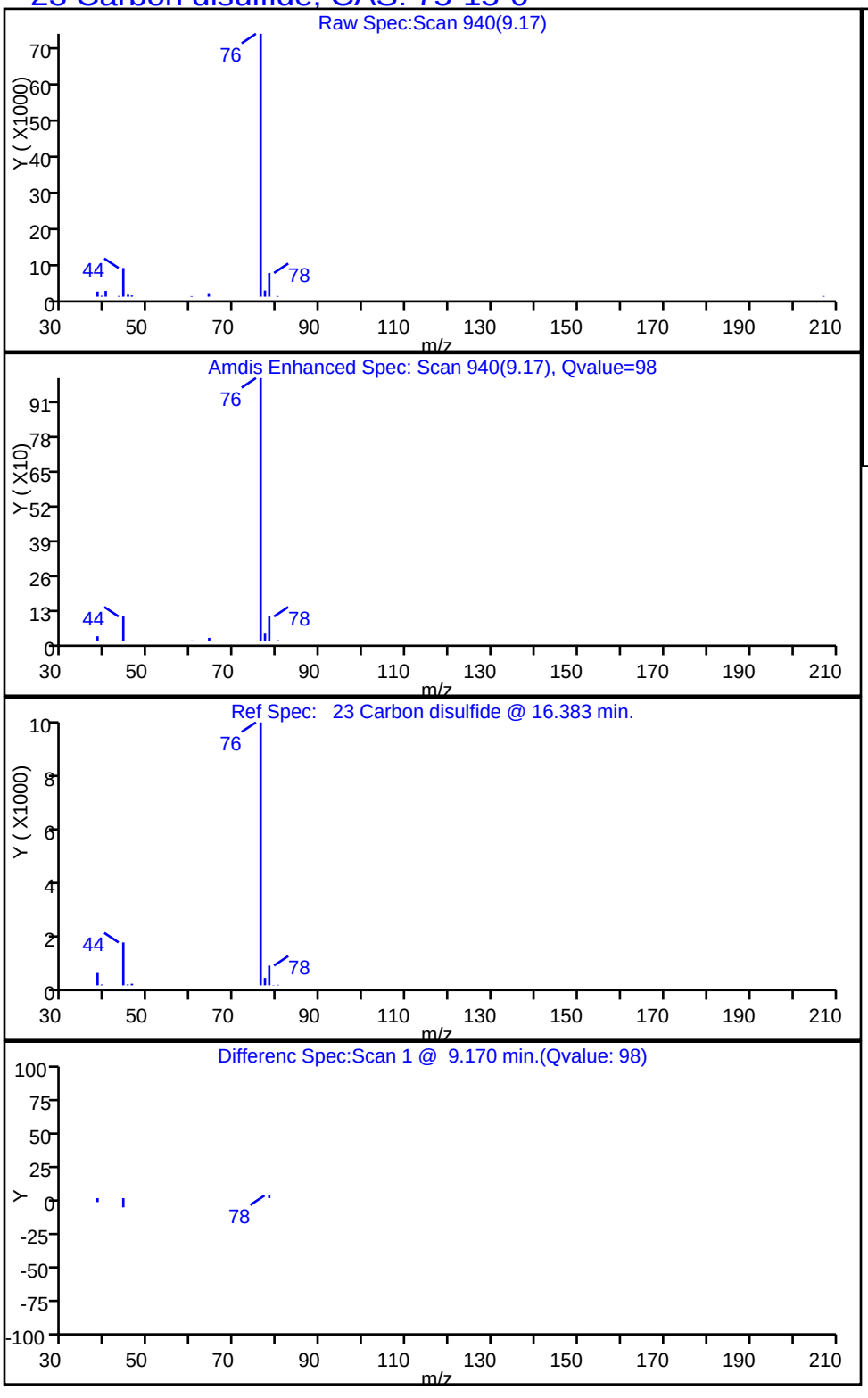


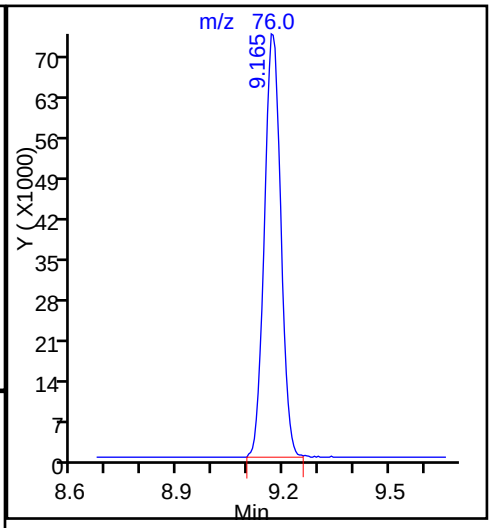




Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

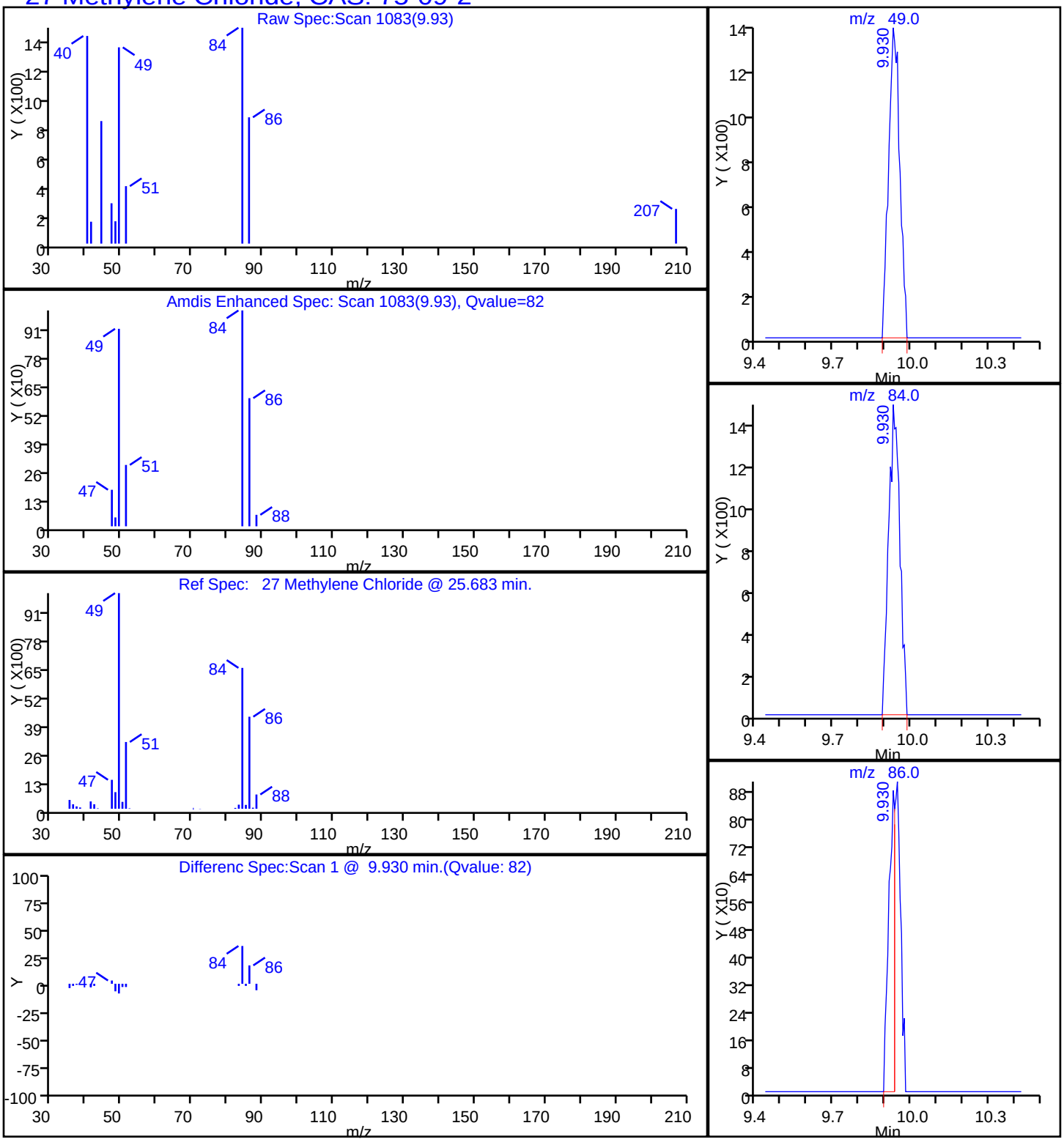
23 Carbon disulfide, CAS: 75-15-0





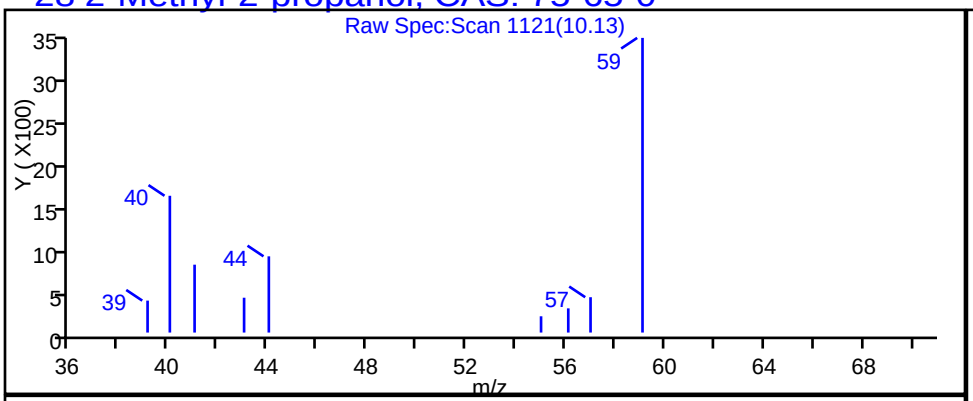
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

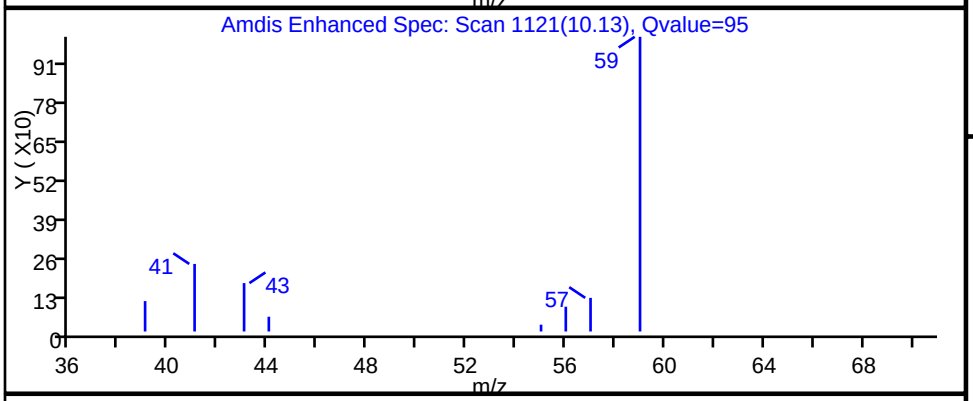
27 Methylene Chloride, CAS: 75-09-2

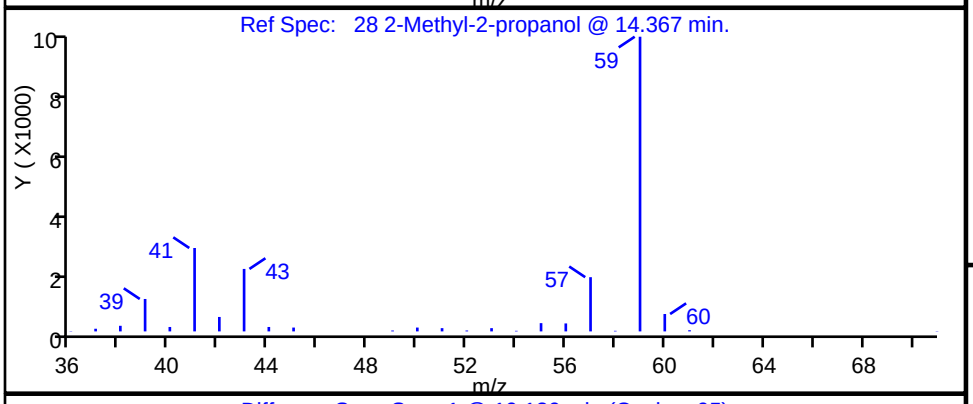


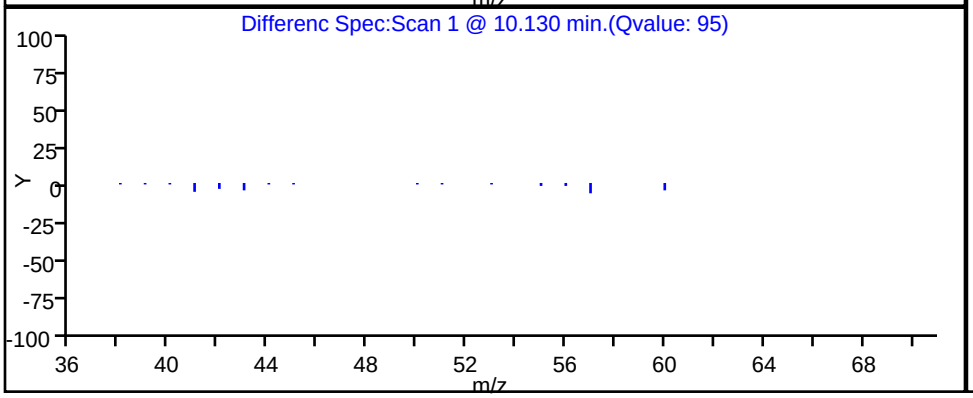
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

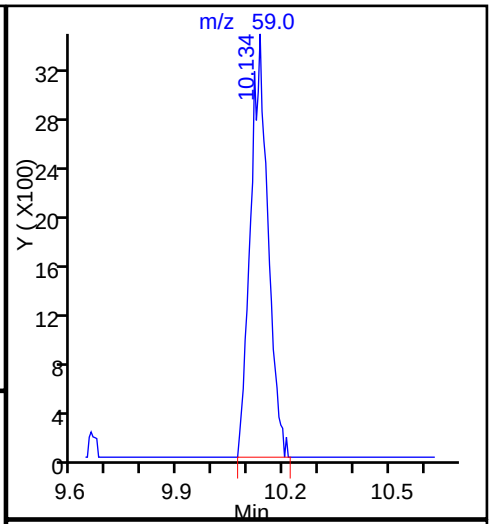
28 2-Methyl-2-propanol, CAS: 75-65-0

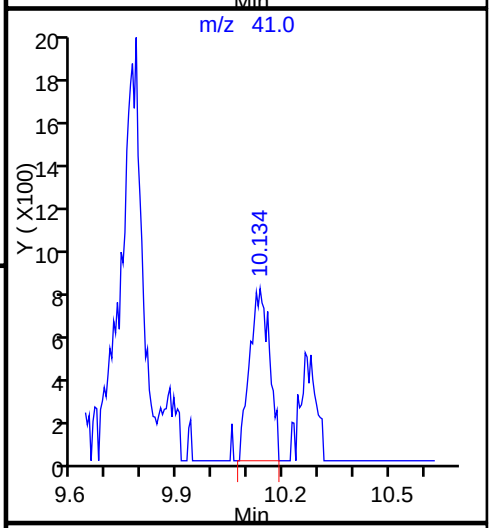


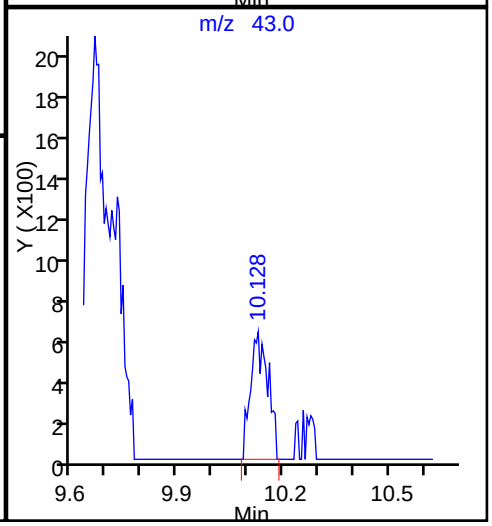






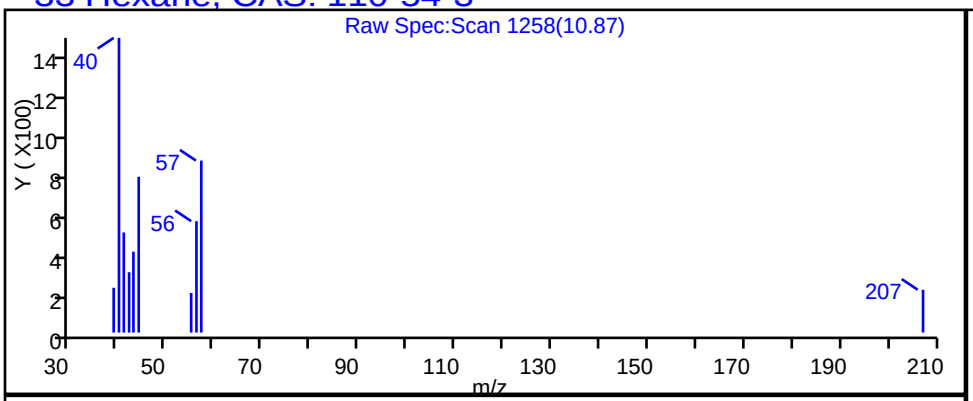


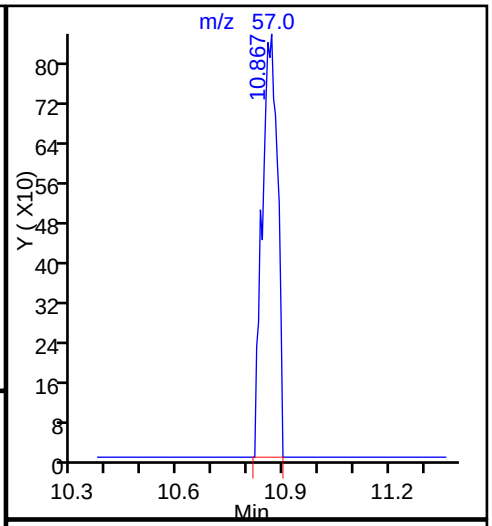


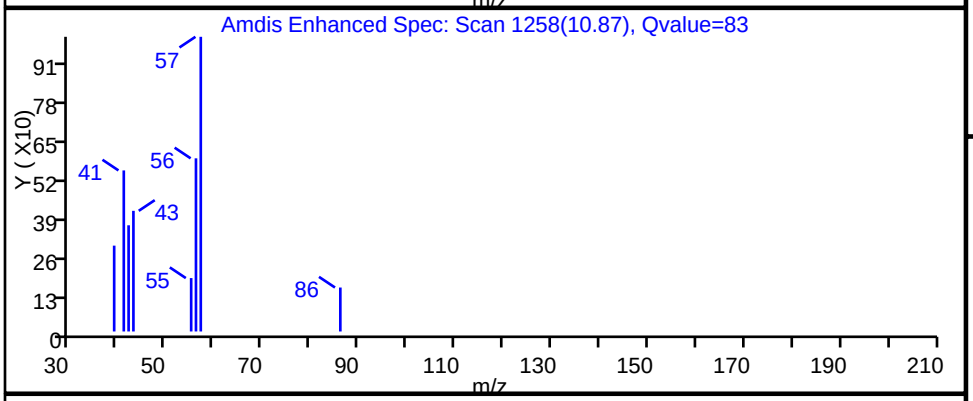


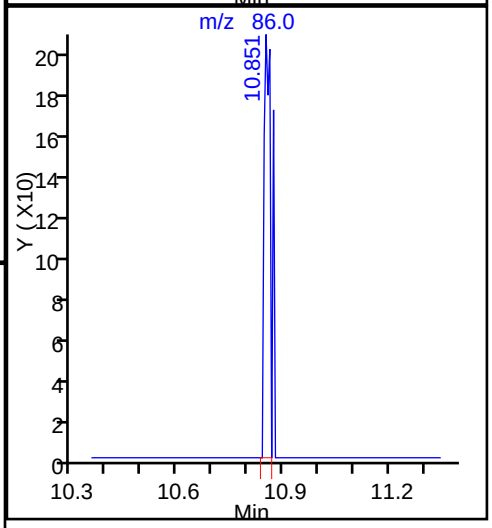
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

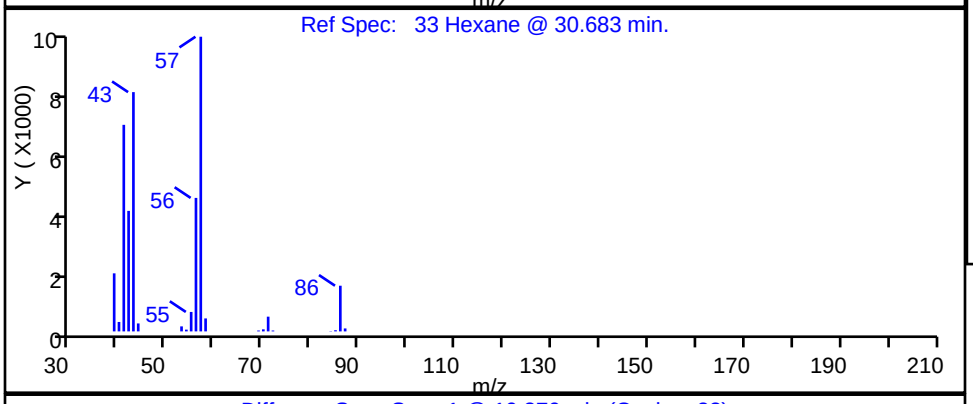
33 Hexane, CAS: 110-54-3

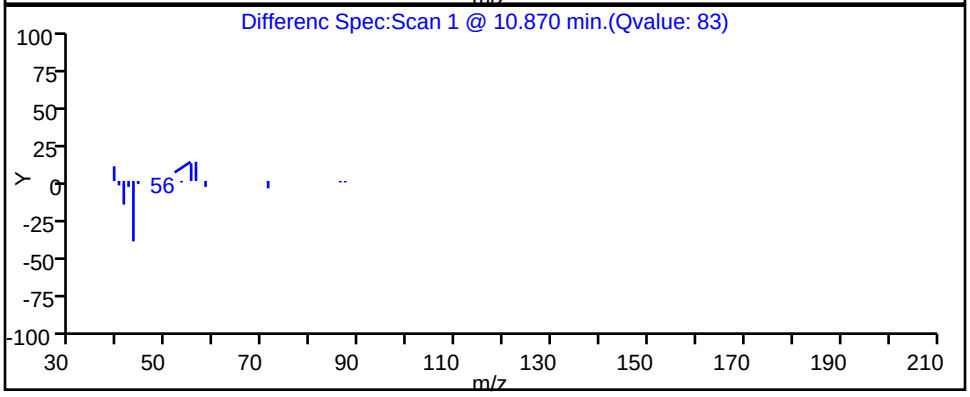






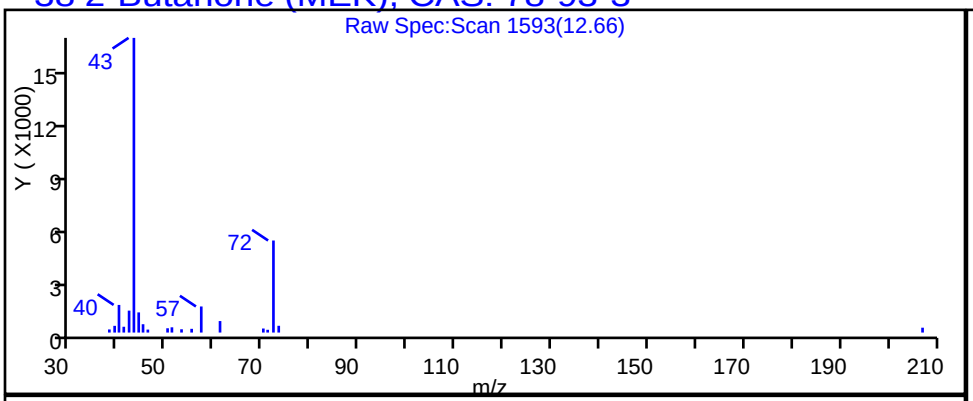


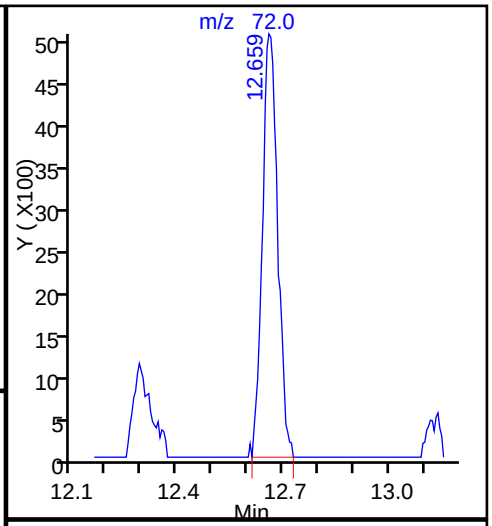


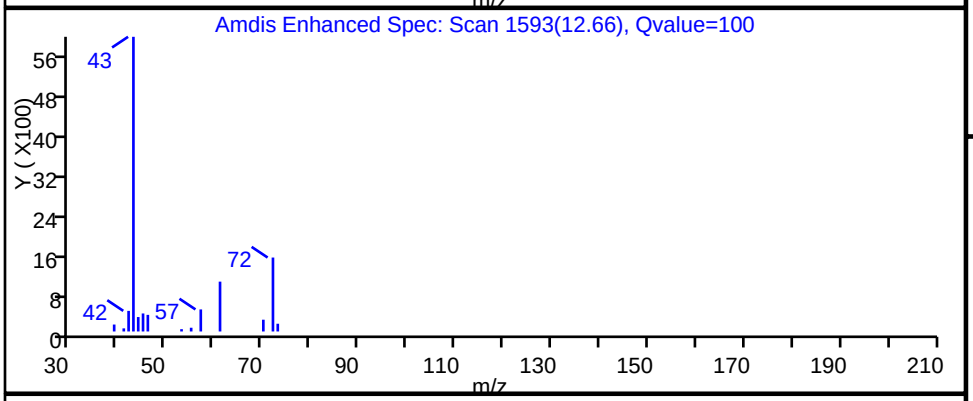


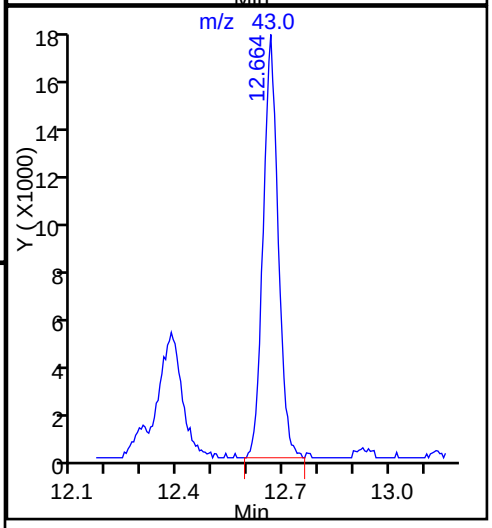
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

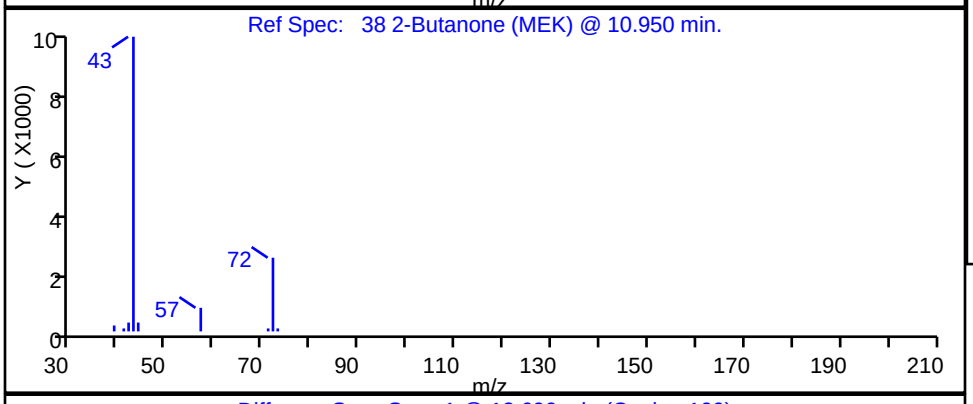
38 2-Butanone (MEK), CAS: 78-93-3

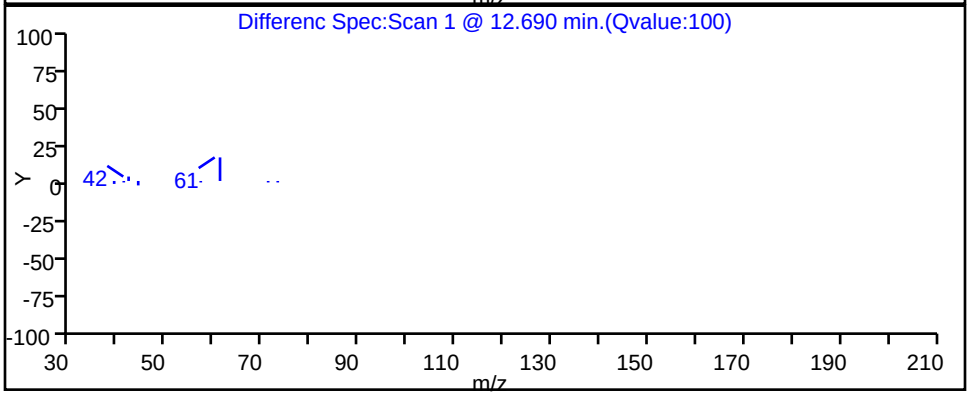








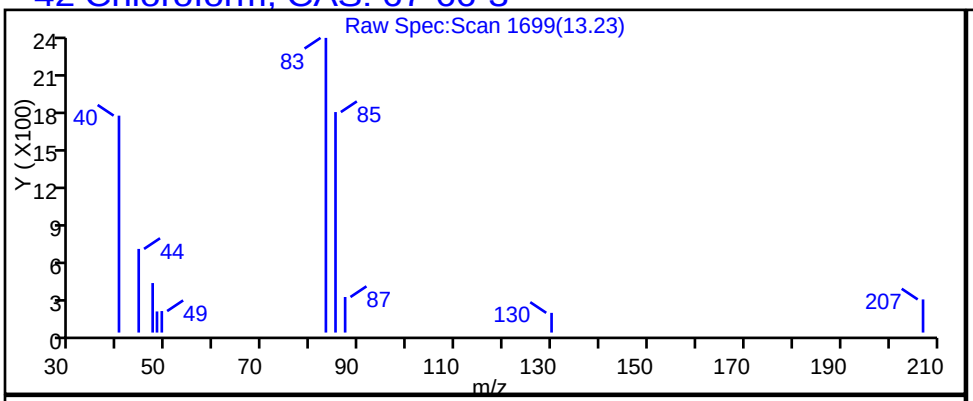


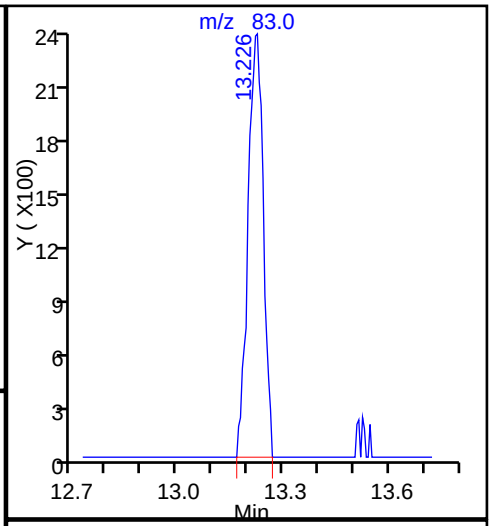


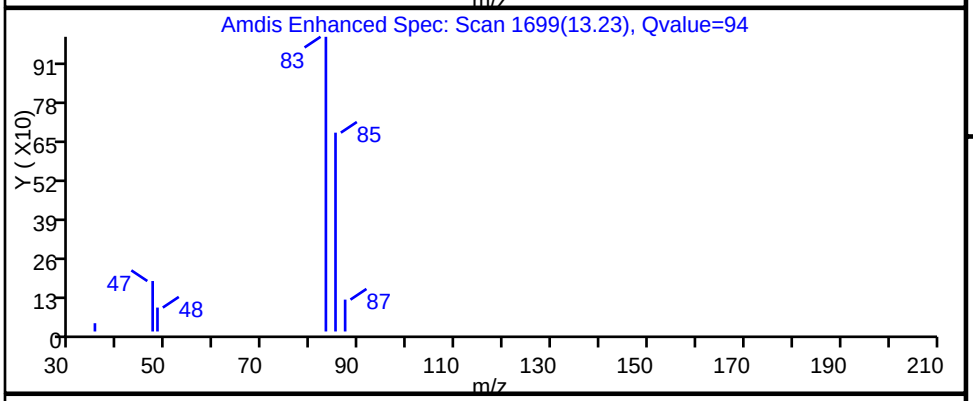
TestAmerica Burlington

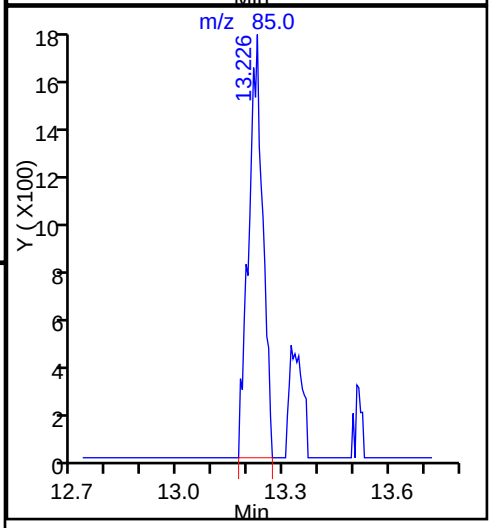
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

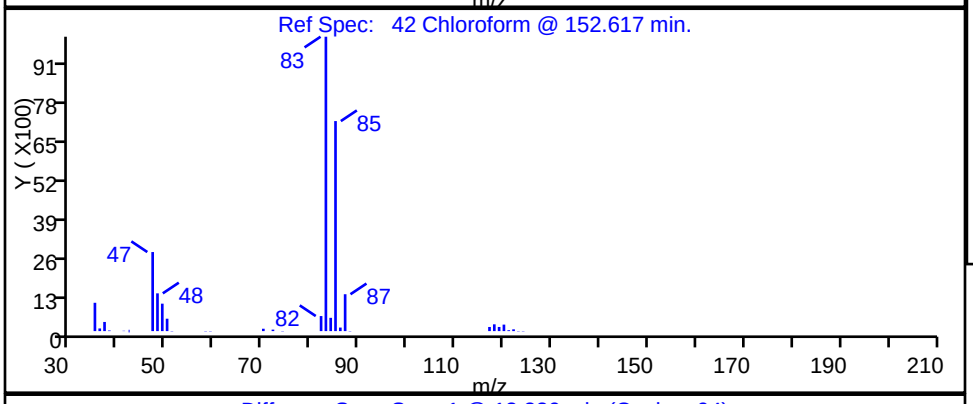
42 Chloroform, CAS: 67-66-3

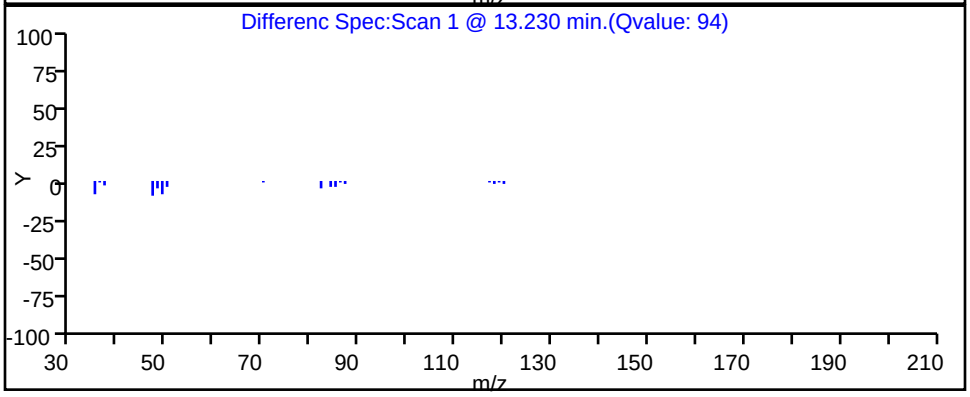








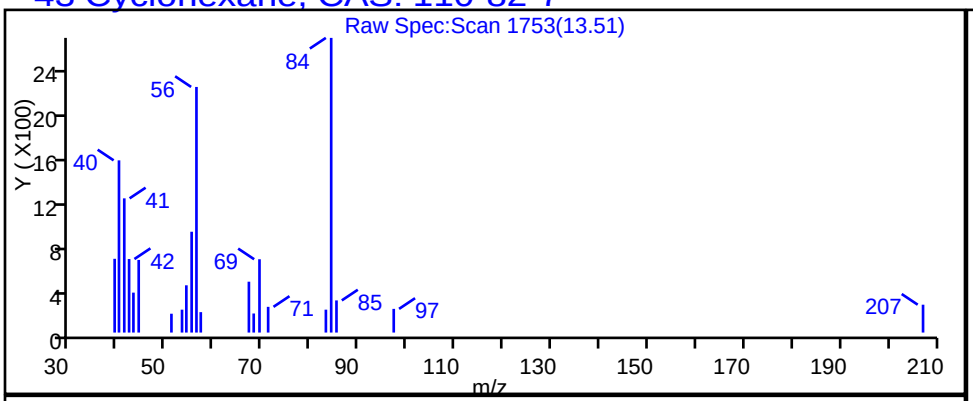


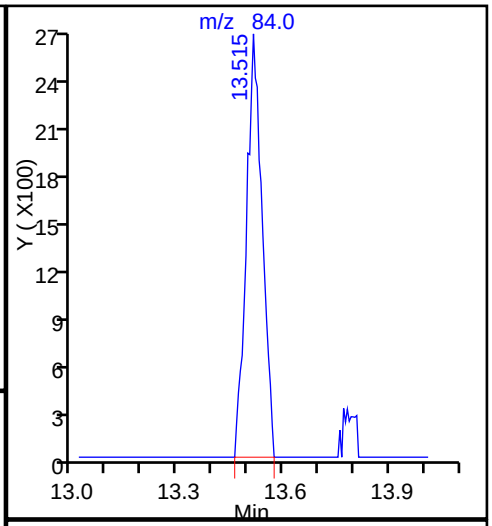


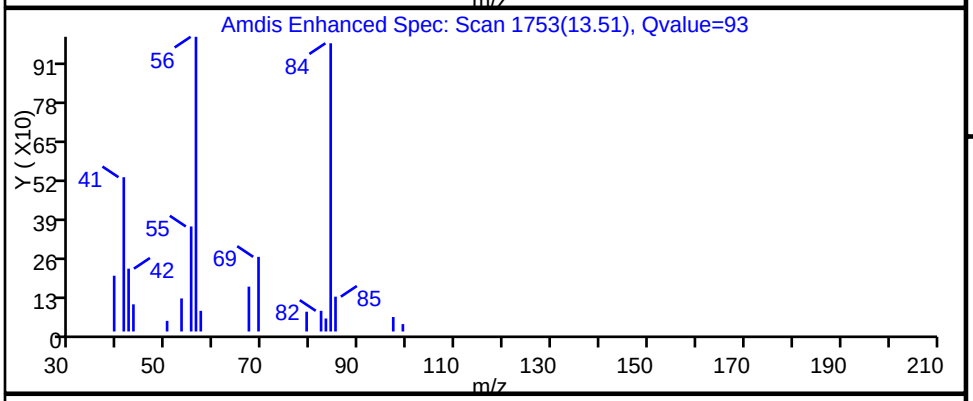
TestAmerica Burlington

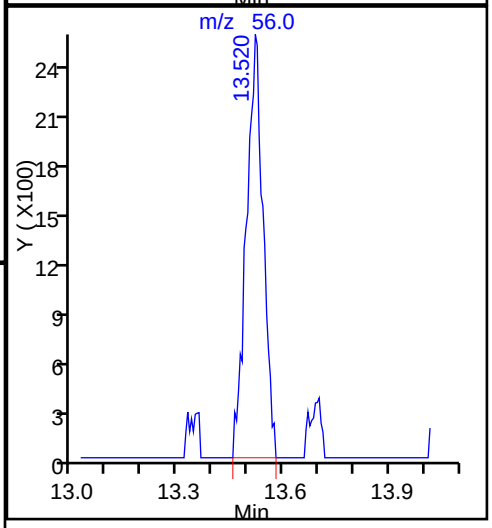
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

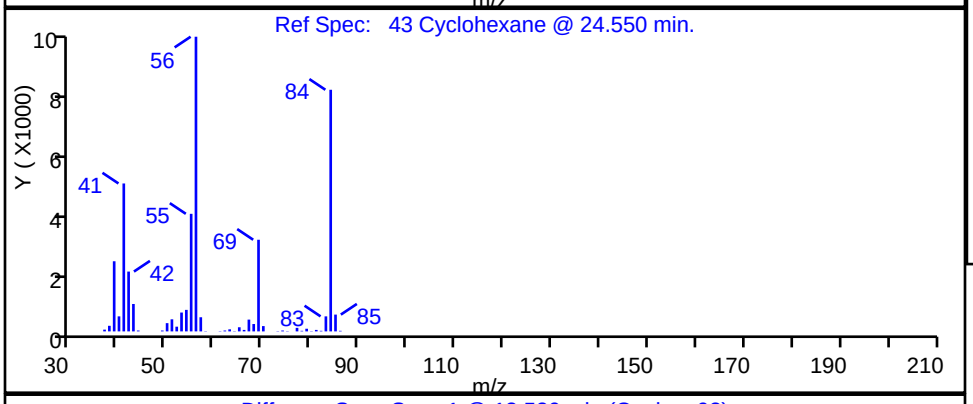
43 Cyclohexane, CAS: 110-82-7

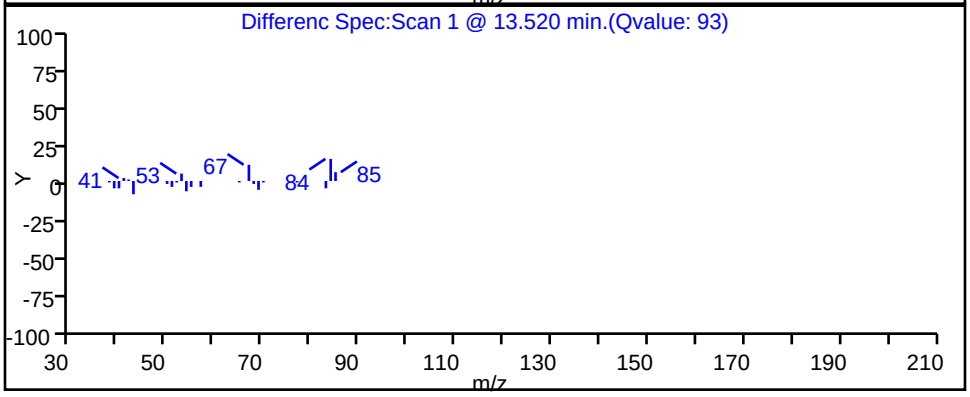






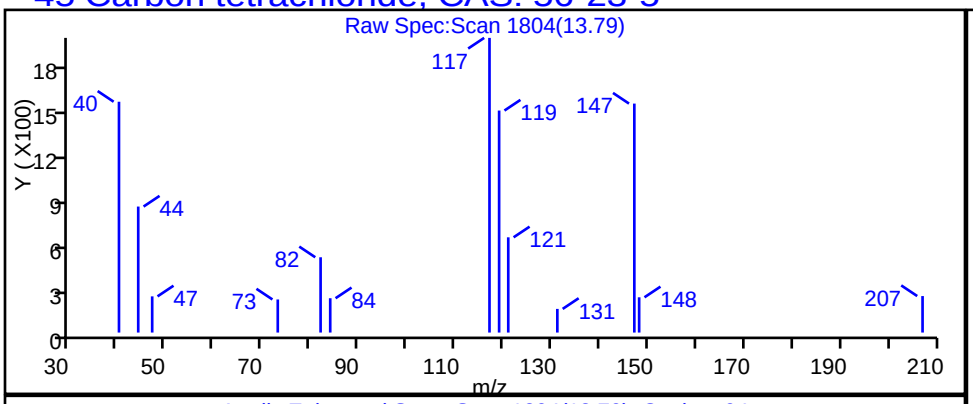


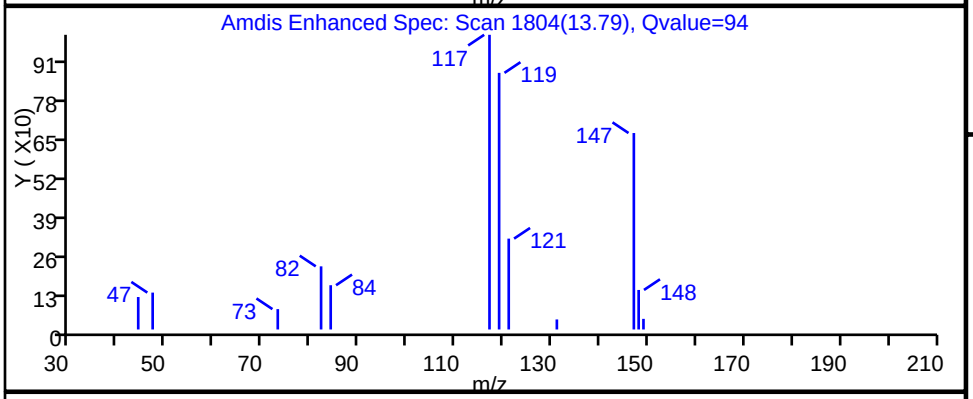


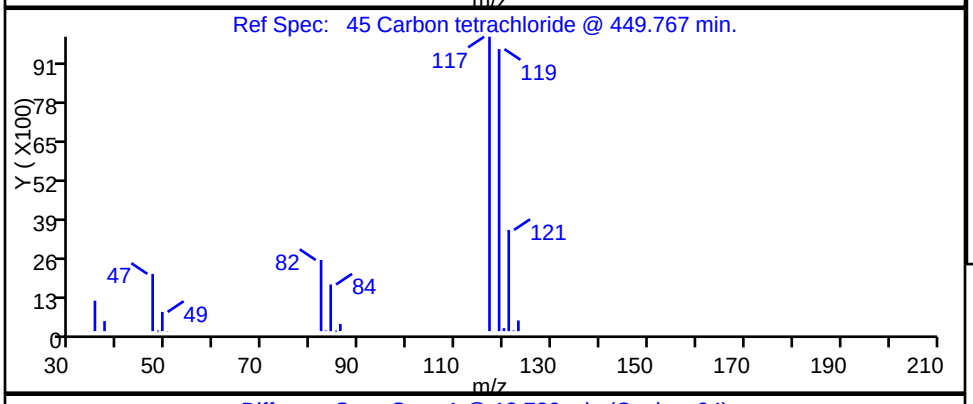


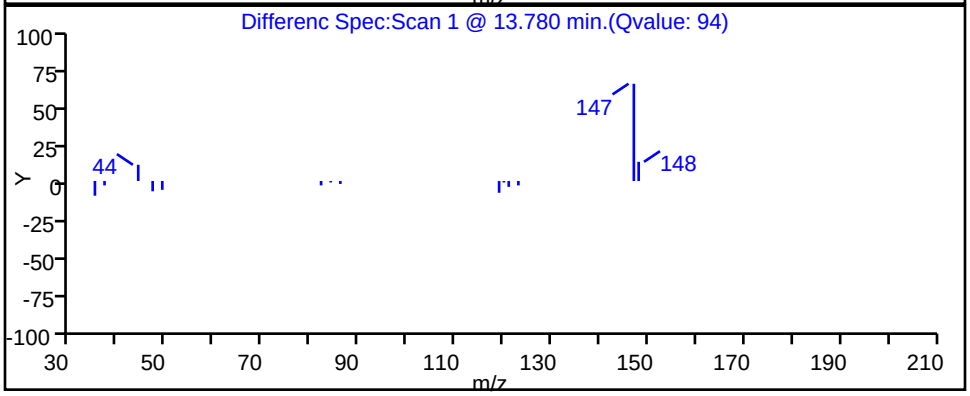
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

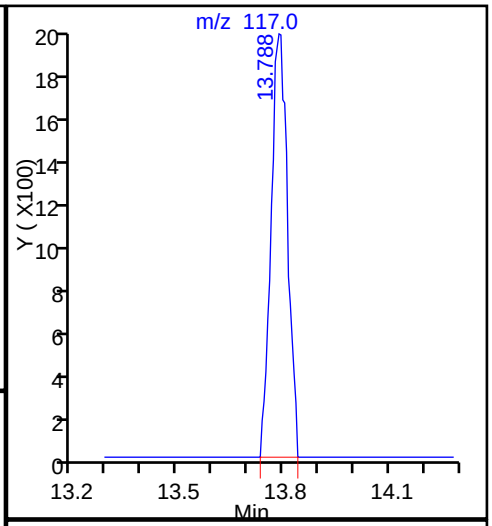
45 Carbon tetrachloride, CAS: 56-23-5

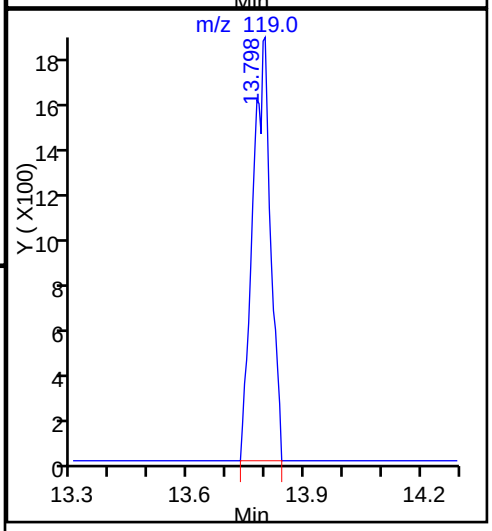






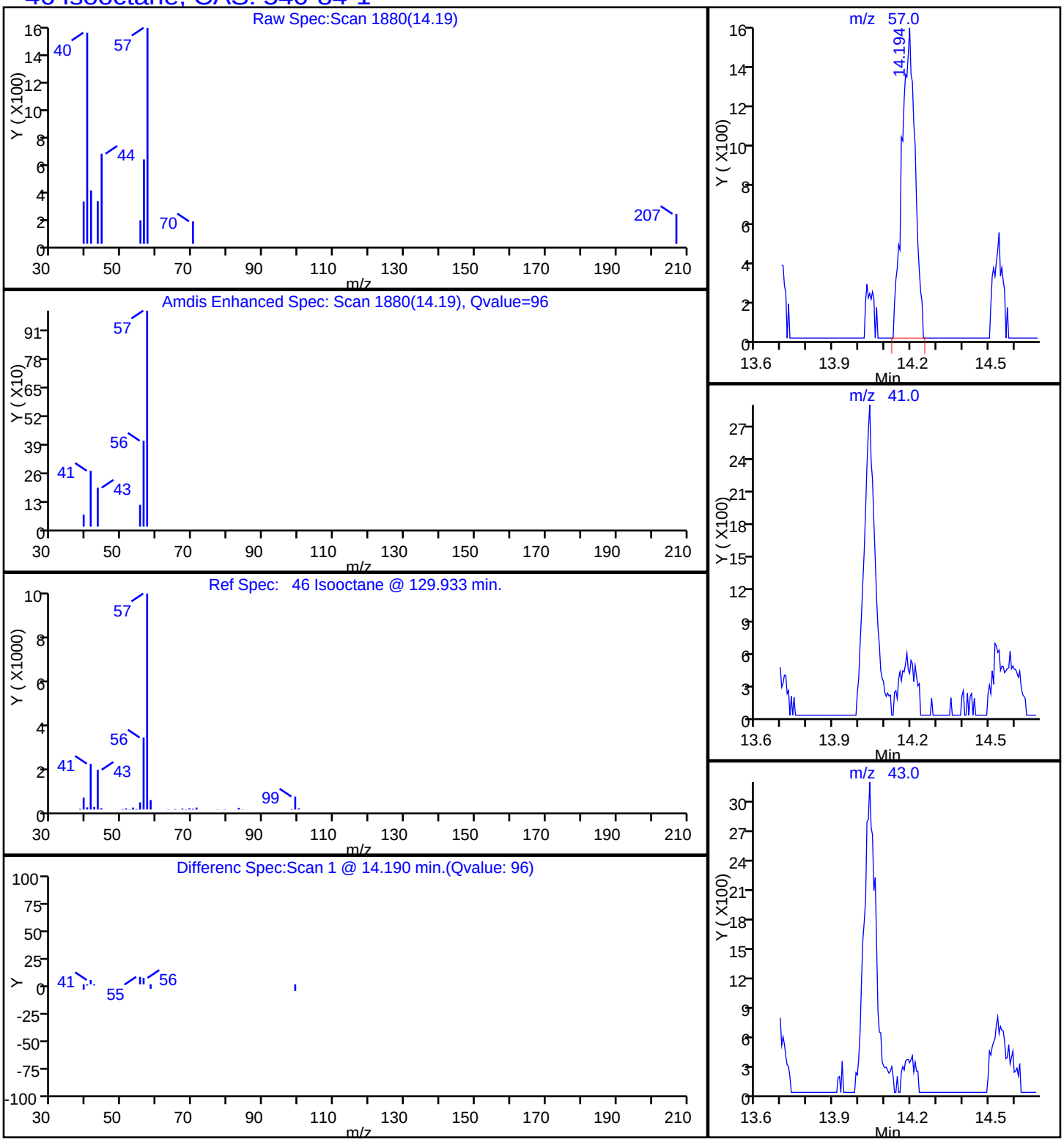






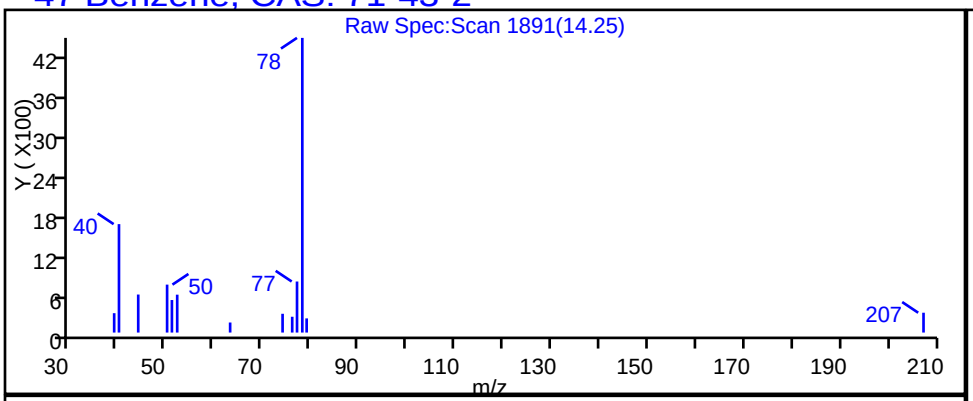
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

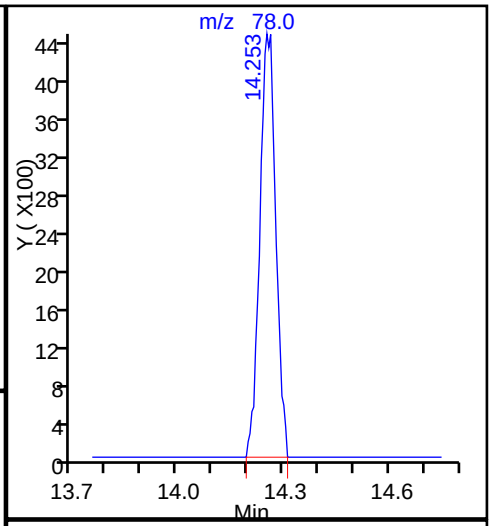
46 Isooctane, CAS: 540-84-1

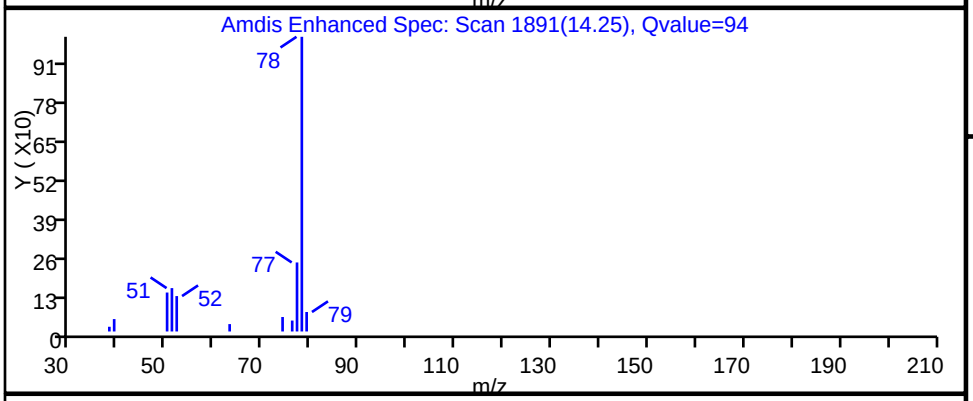


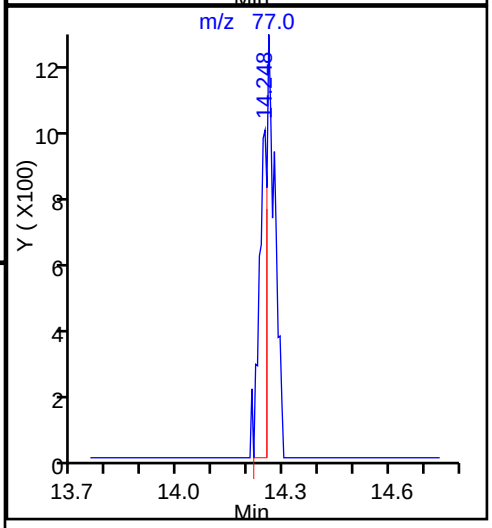
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

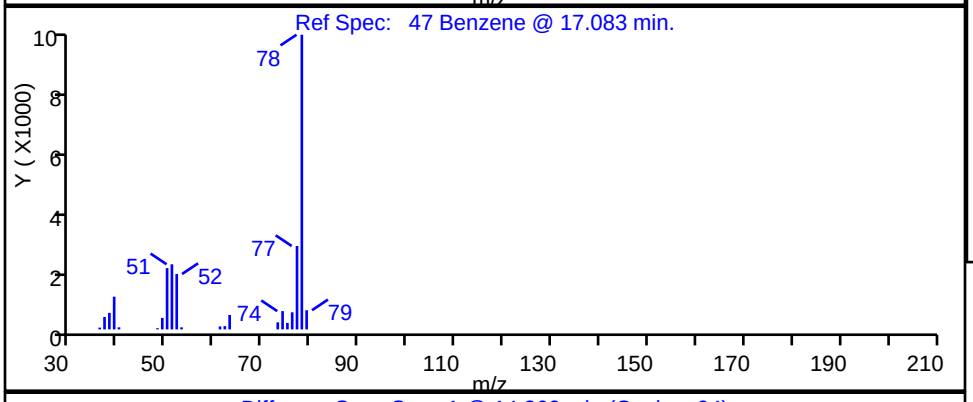
47 Benzene, CAS: 71-43-2

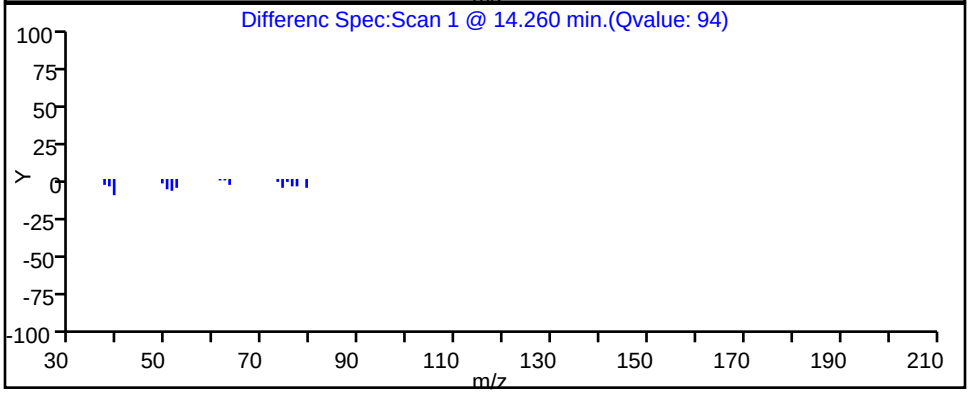






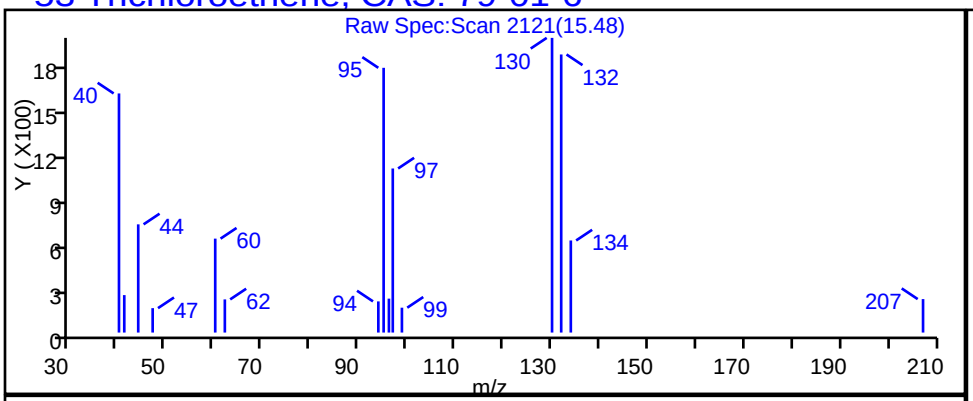


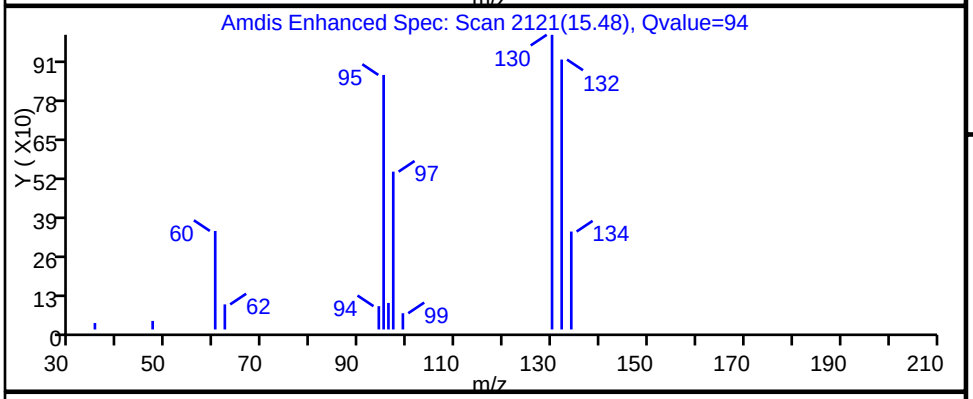


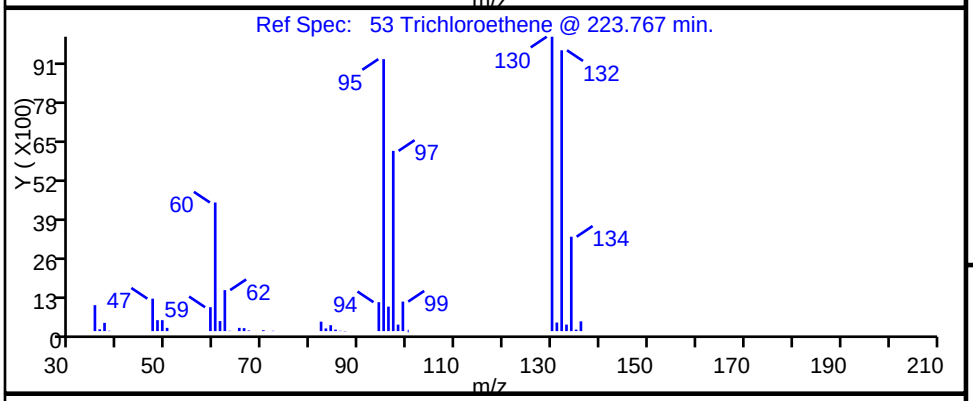


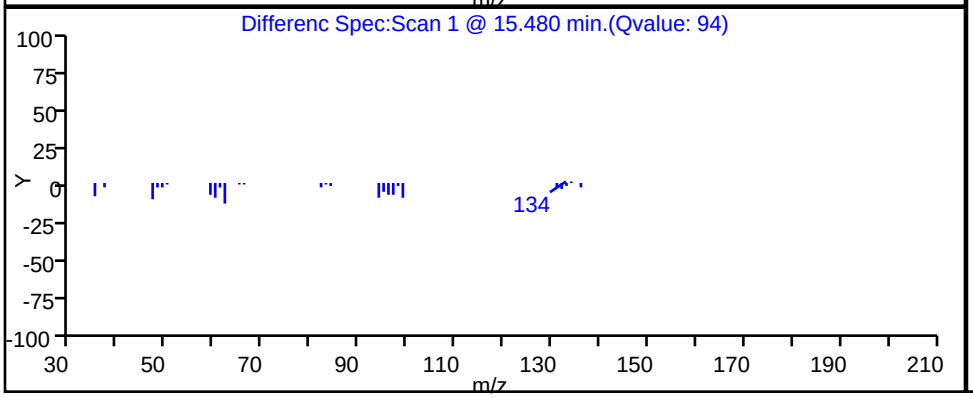
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

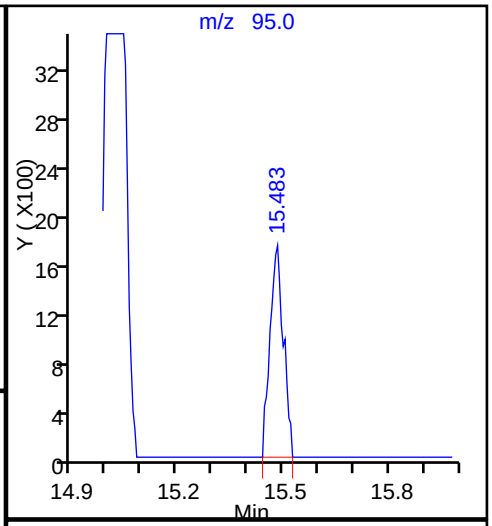
53 Trichloroethene, CAS: 79-01-6

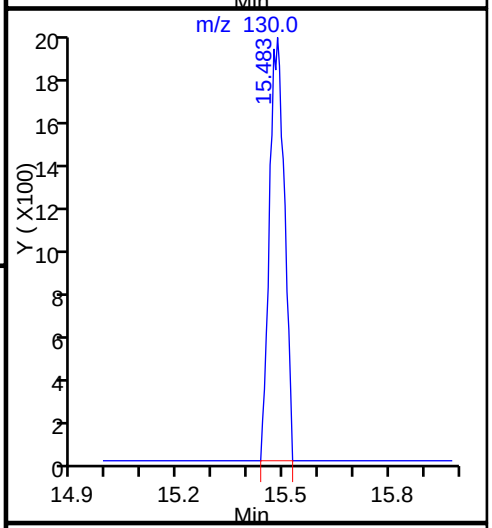


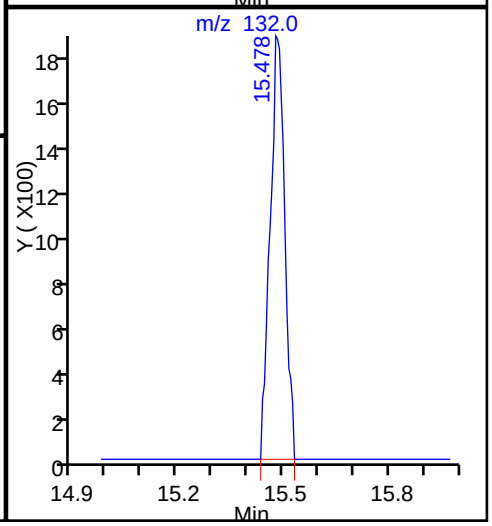








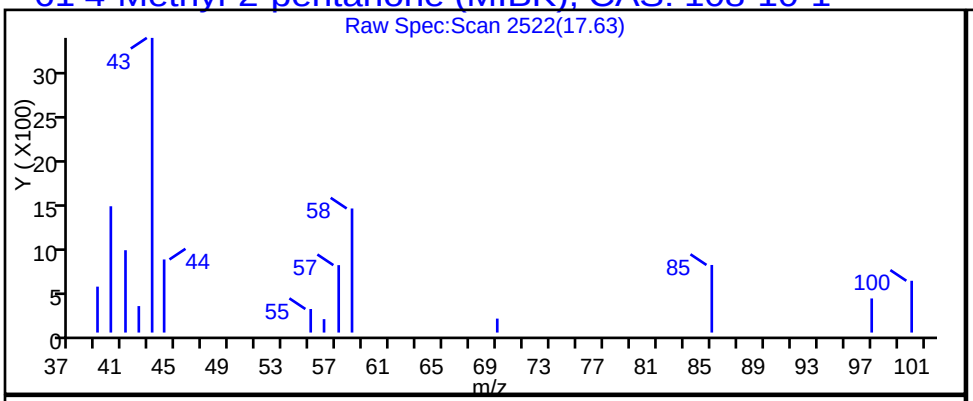


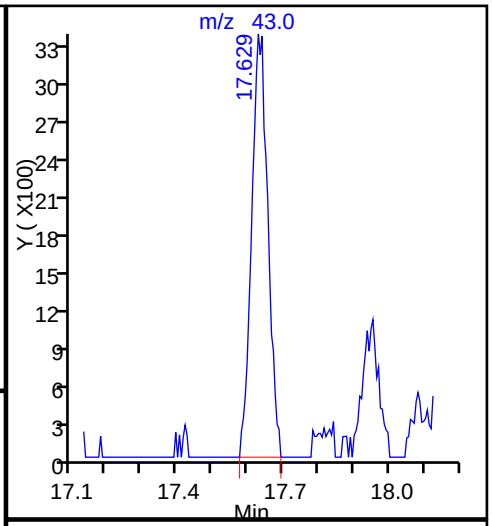


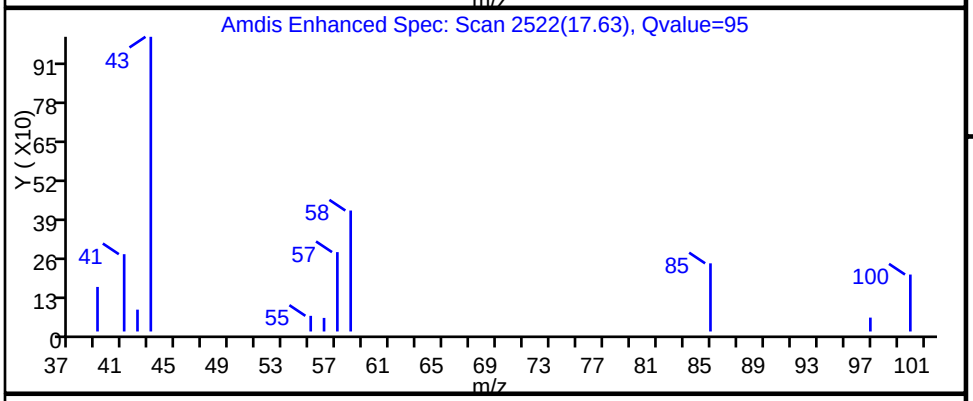
TestAmerica Burlington

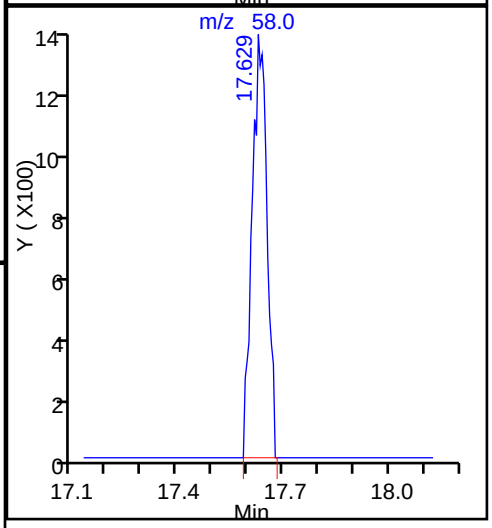
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

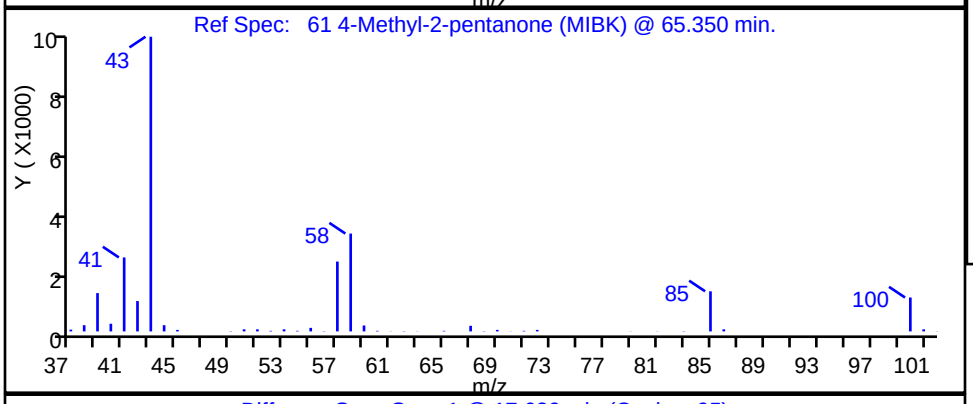
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

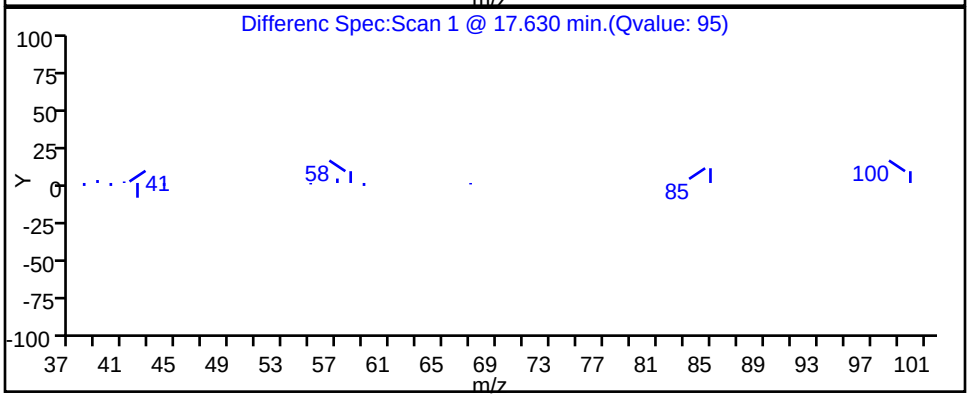








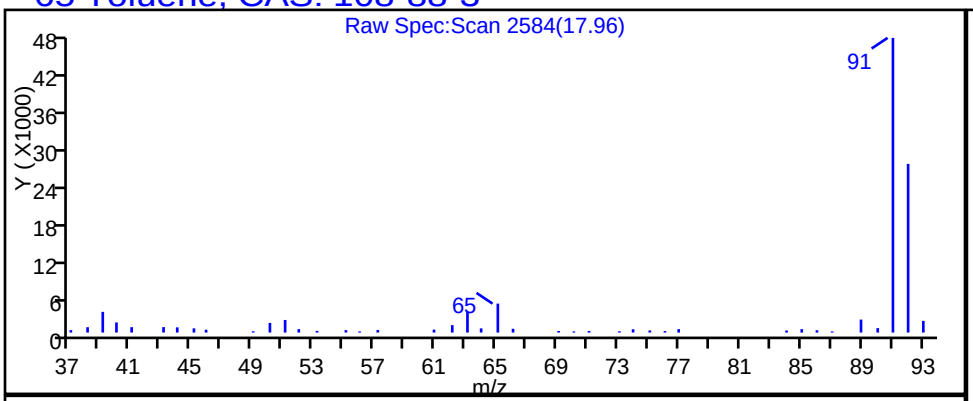


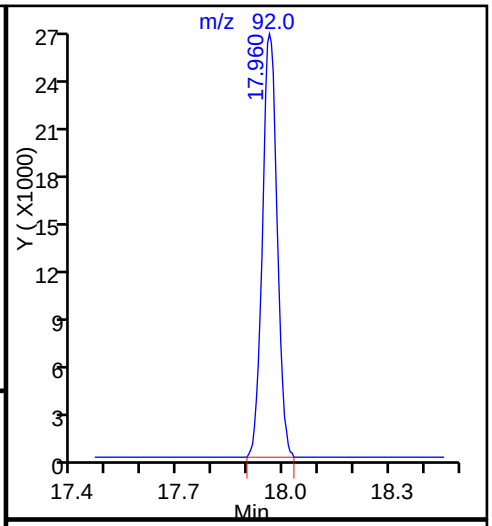


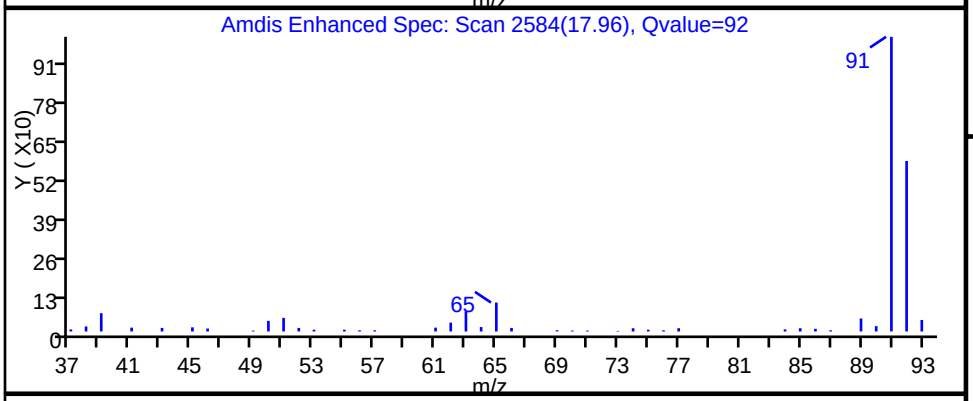
TestAmerica Burlington

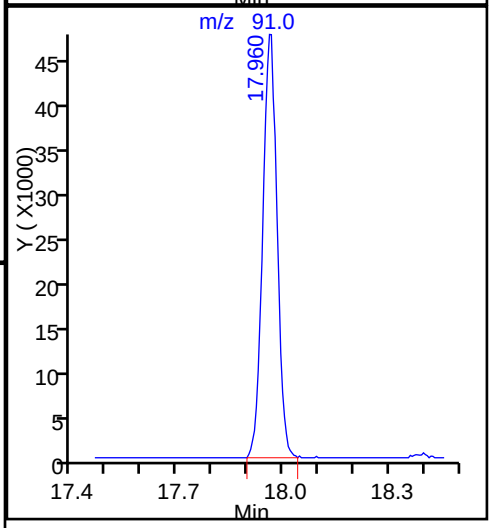
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

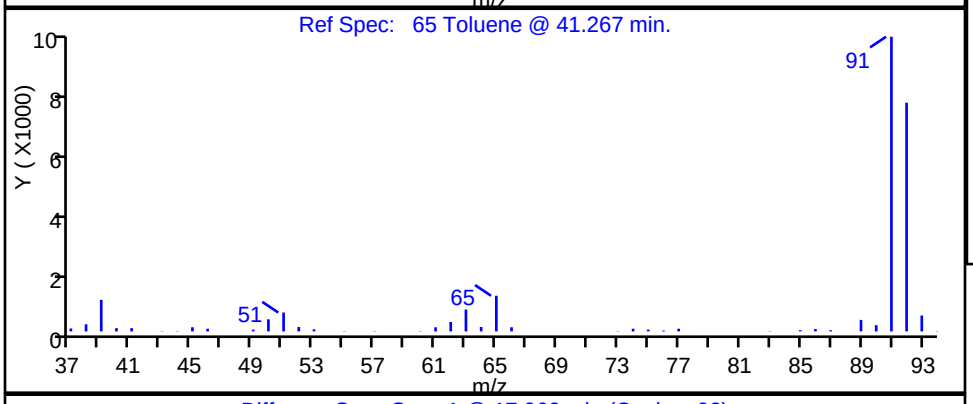
65 Toluene, CAS: 108-88-3

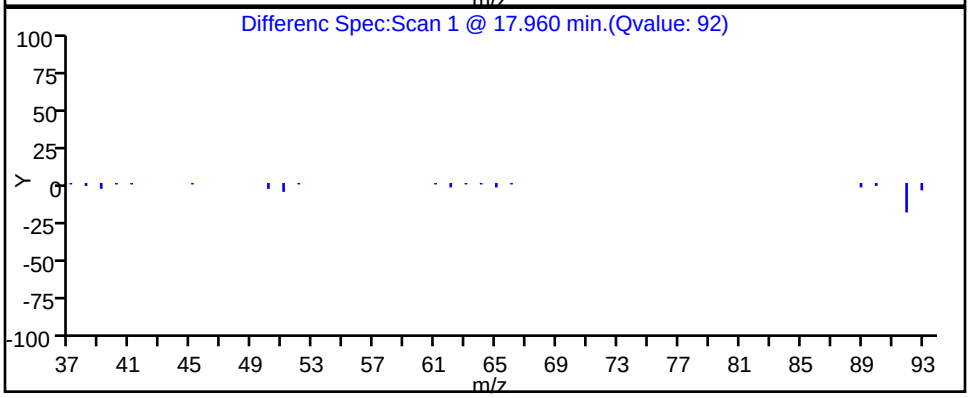








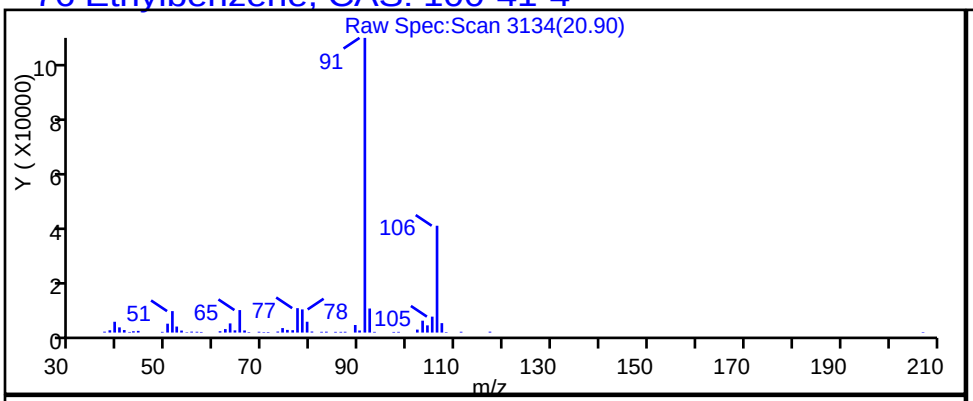


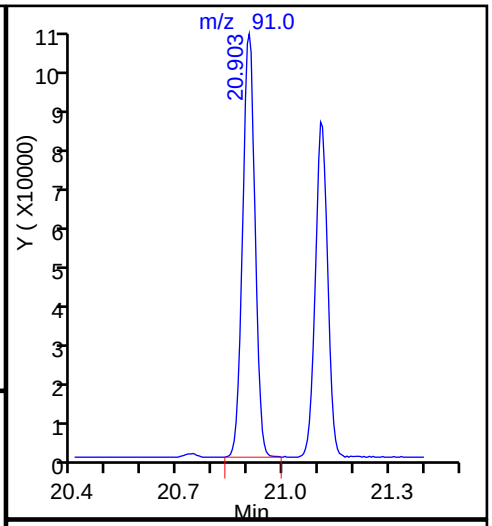


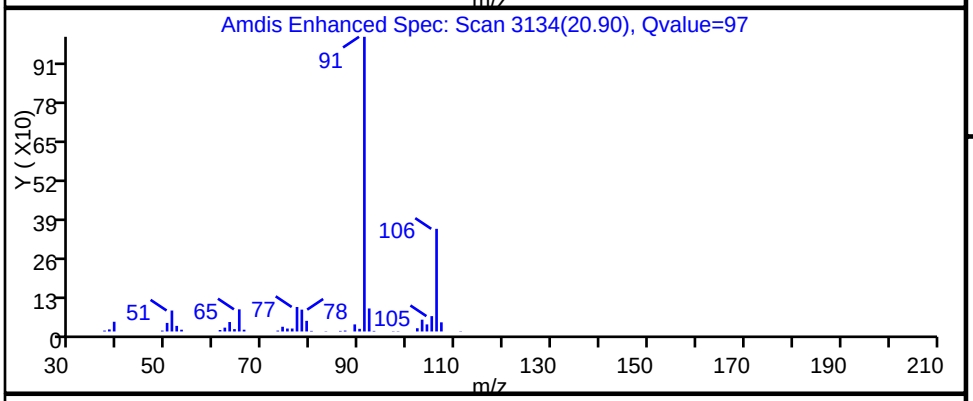
TestAmerica Burlington

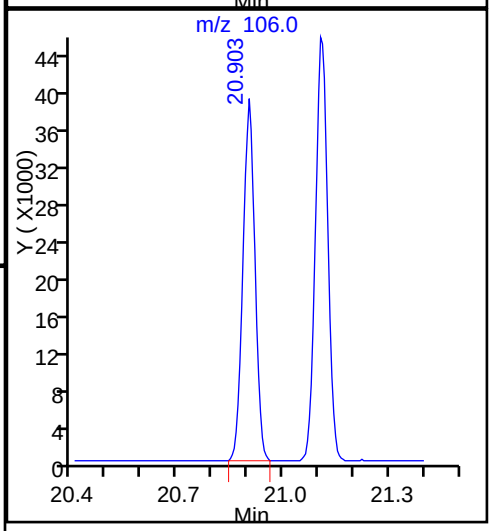
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

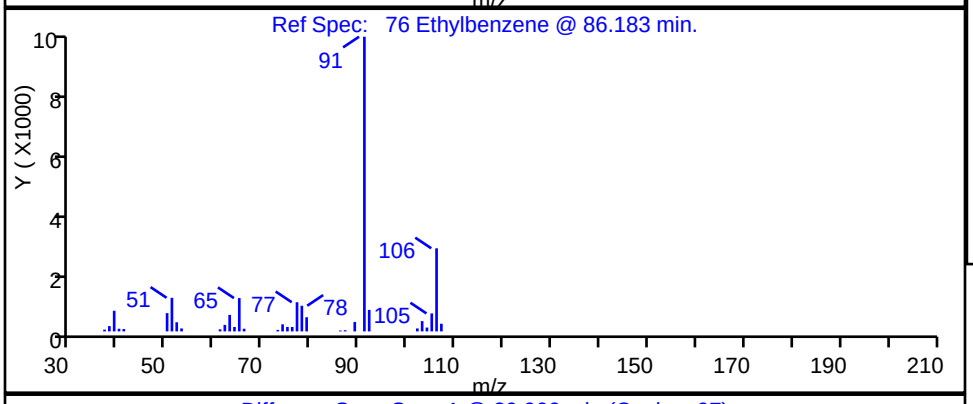
76 Ethylbenzene, CAS: 100-41-4

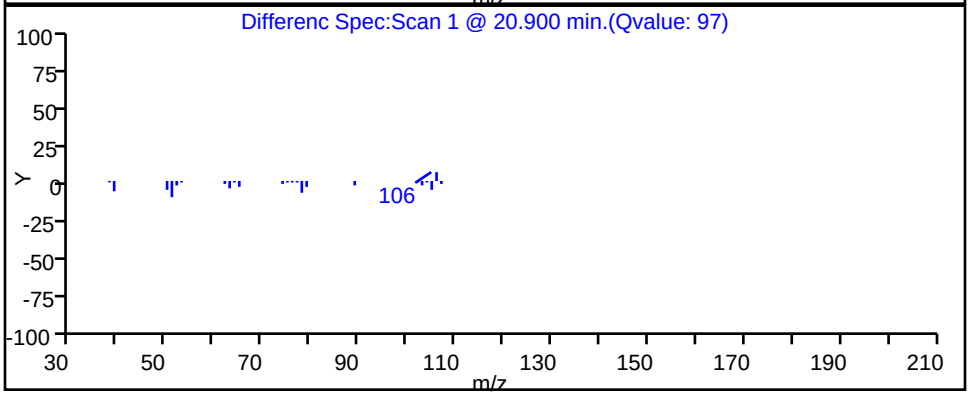






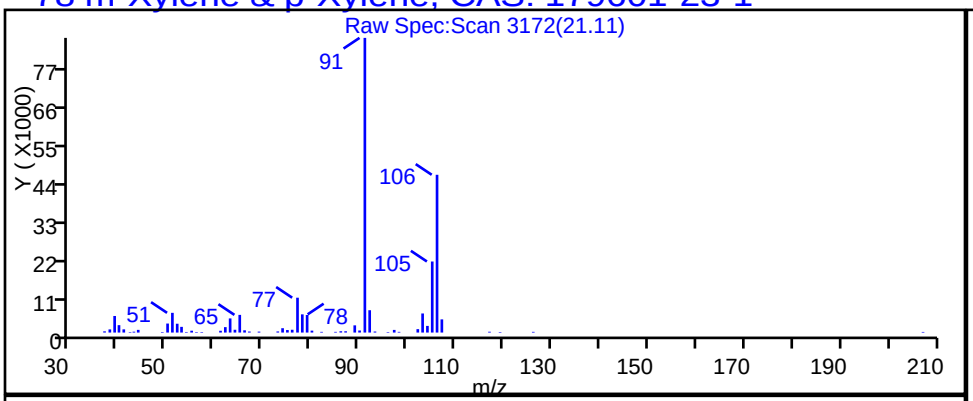


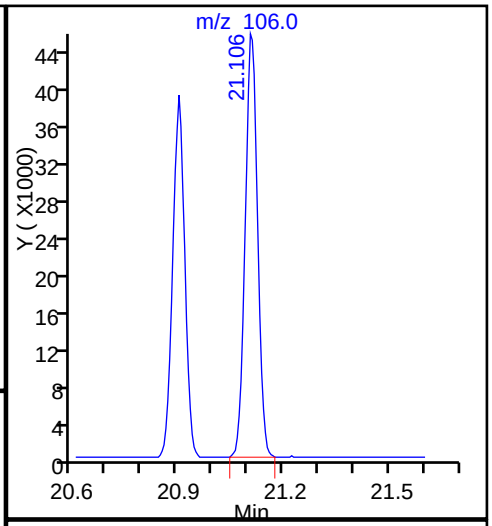


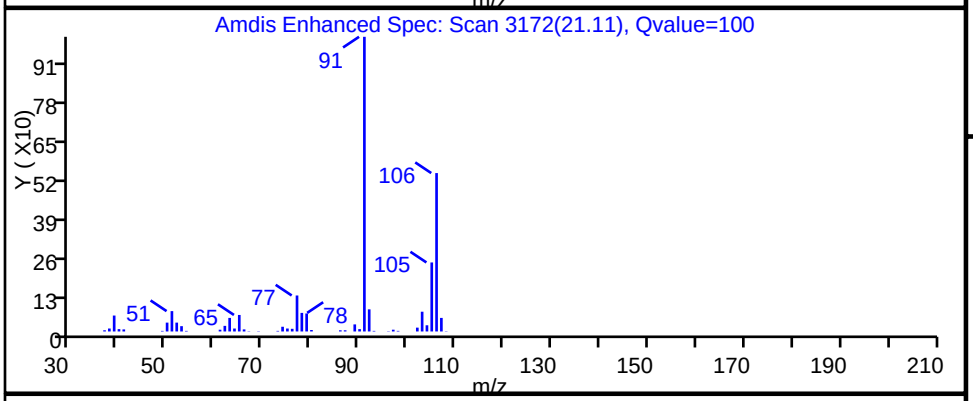


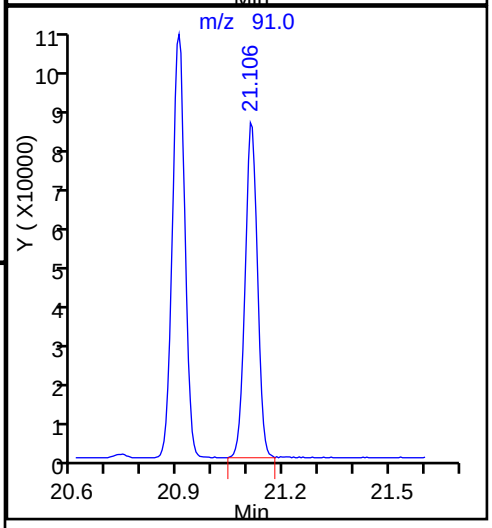
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

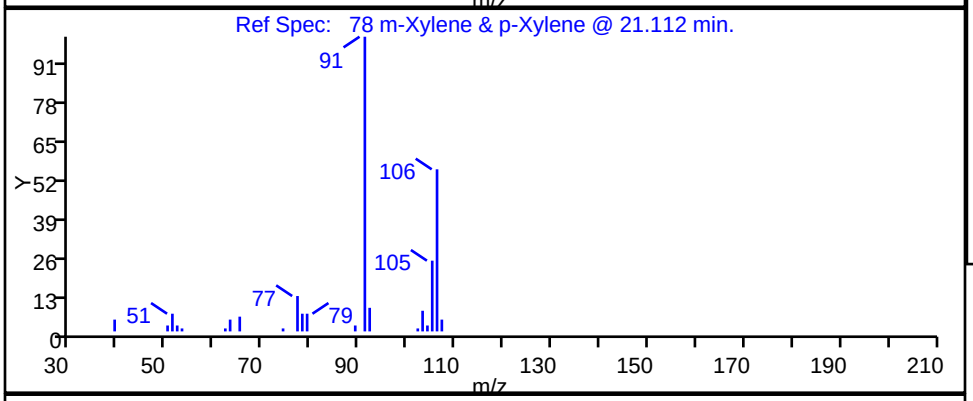
78 m-Xylene & p-Xylene, CAS: 179601-23-1

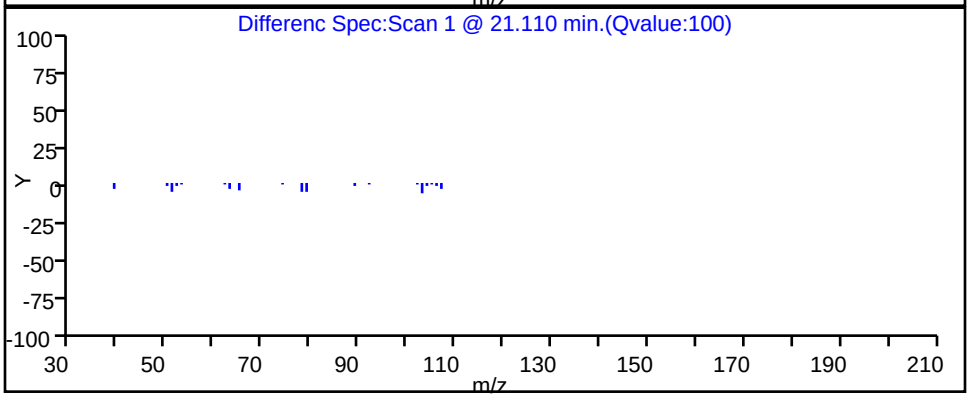








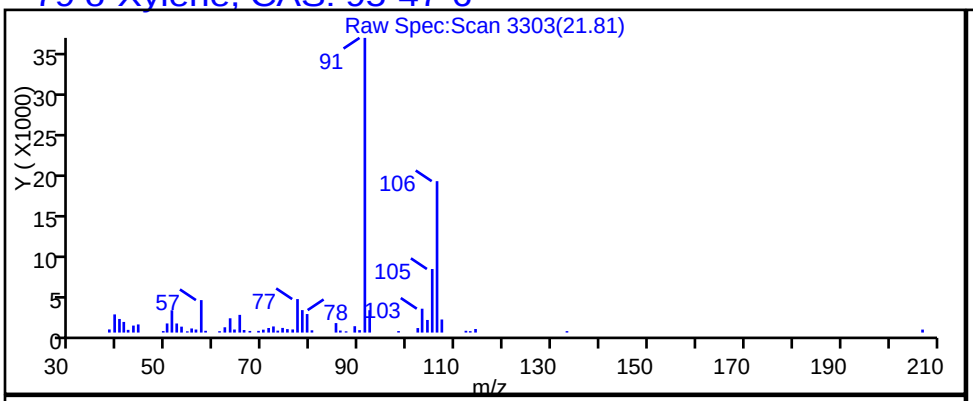


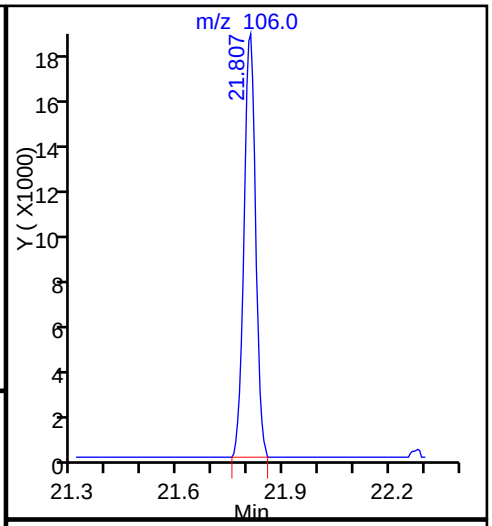


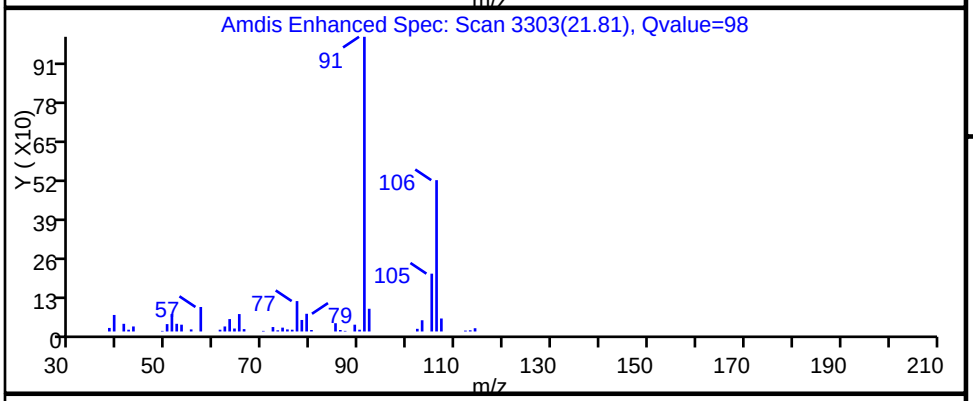
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d

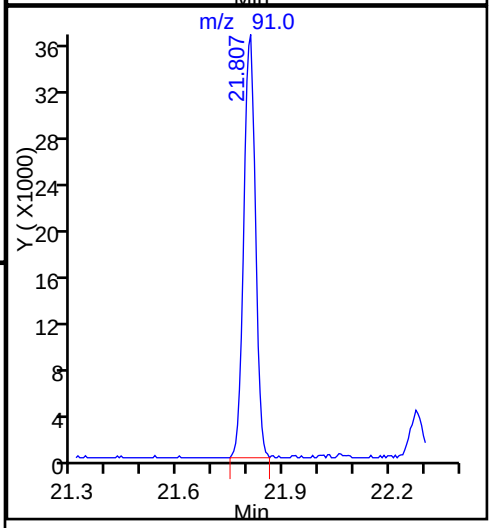
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

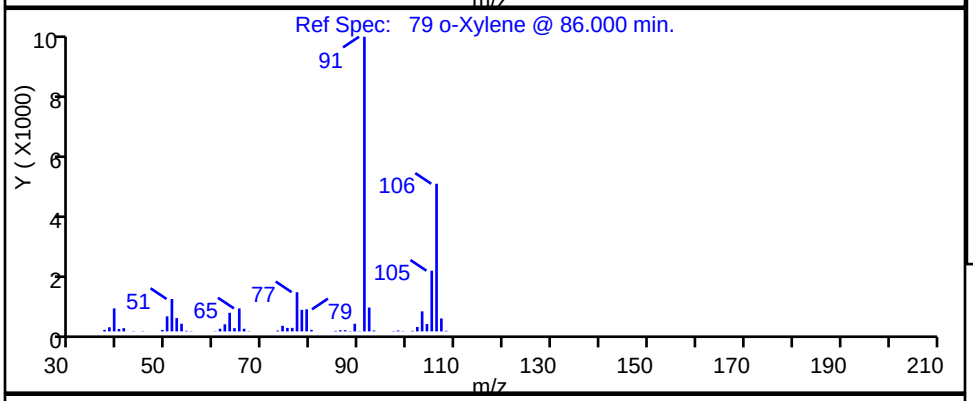
79 o-Xylene, CAS: 95-47-6

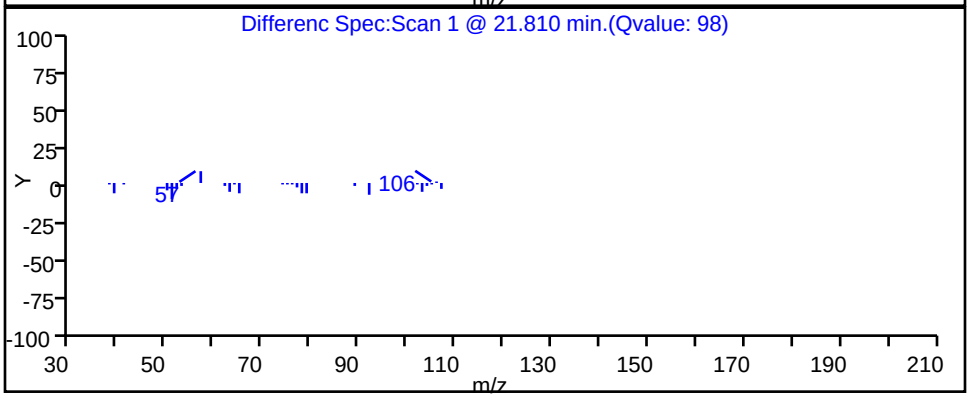






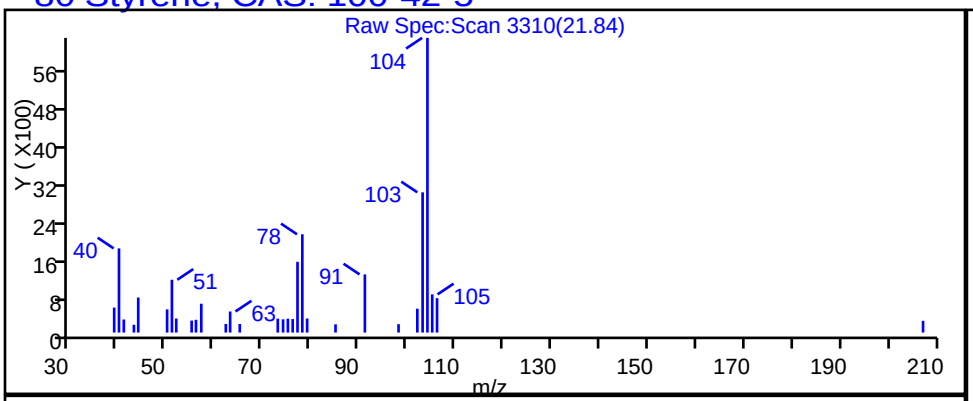


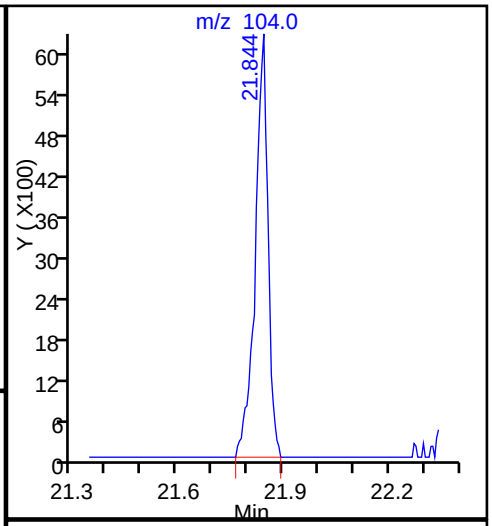


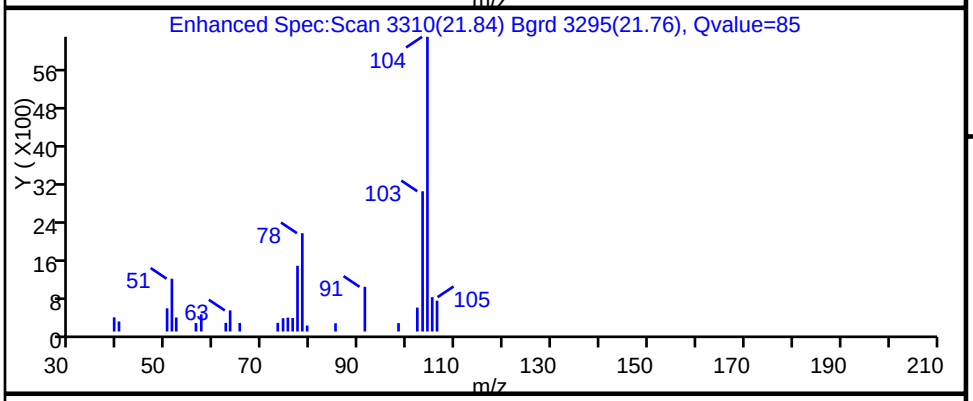


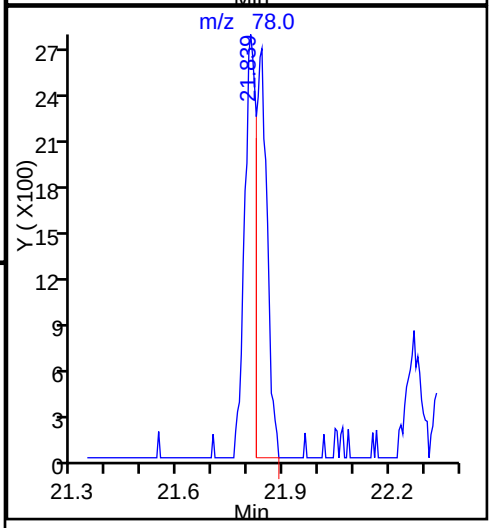
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

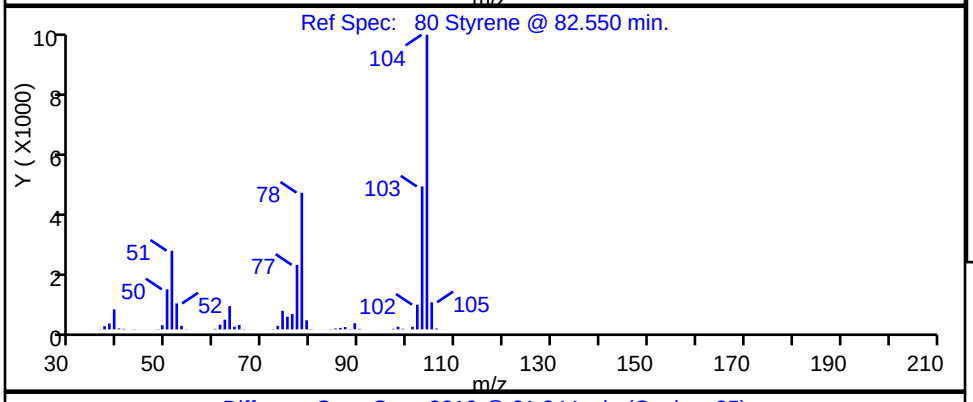
80 Styrene, CAS: 100-42-5

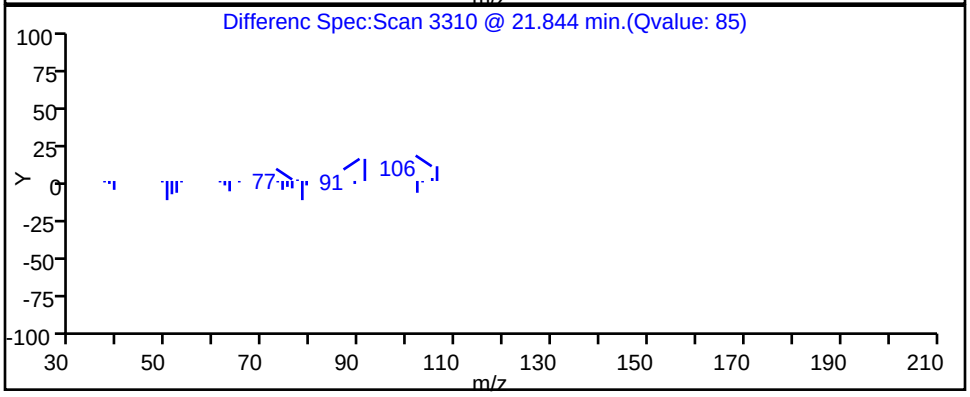








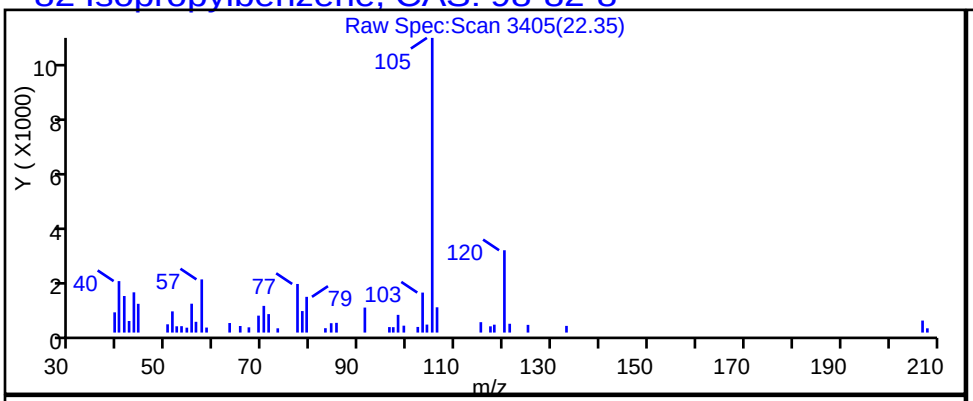


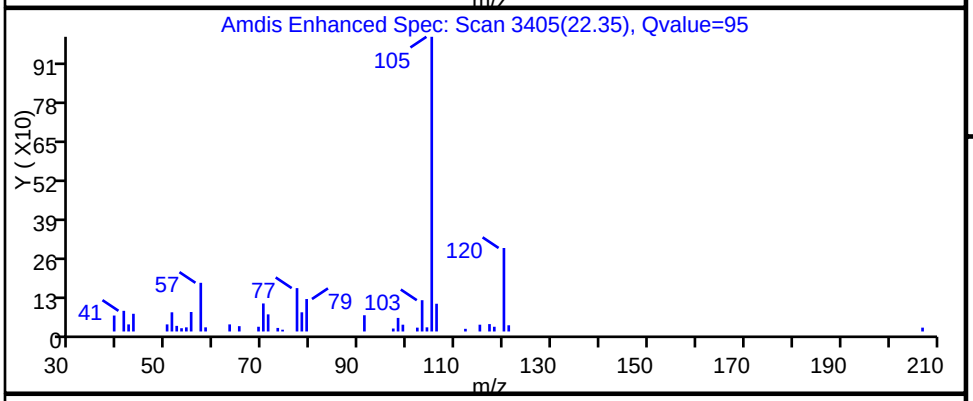


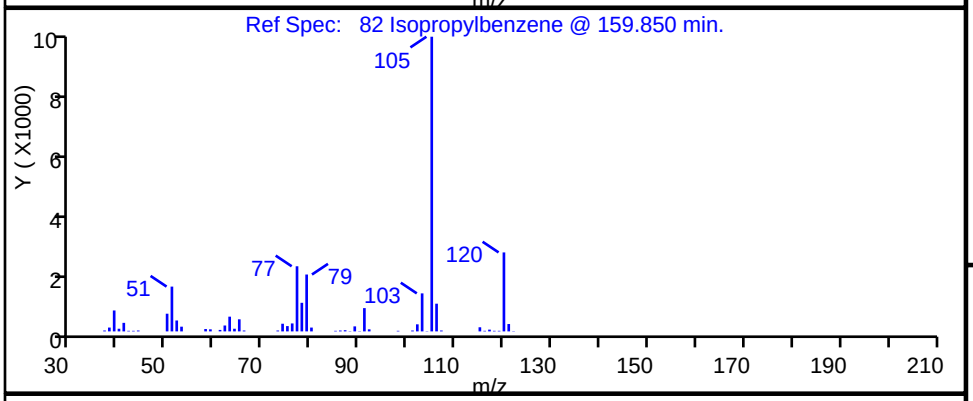
TestAmerica Burlington

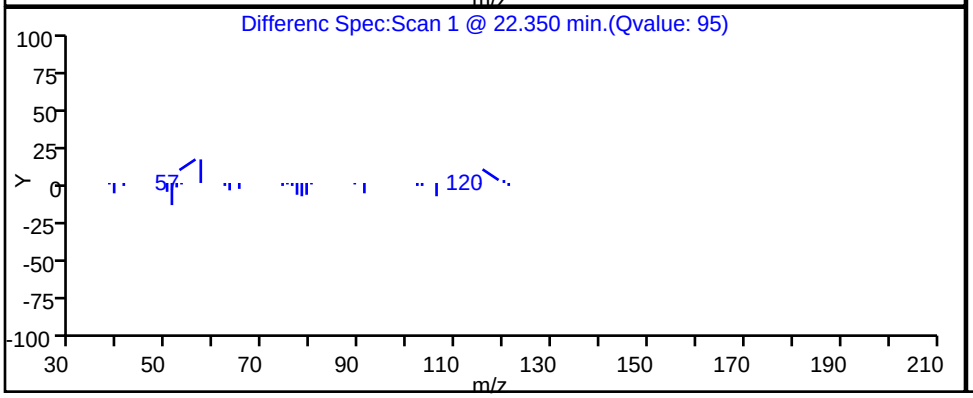
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

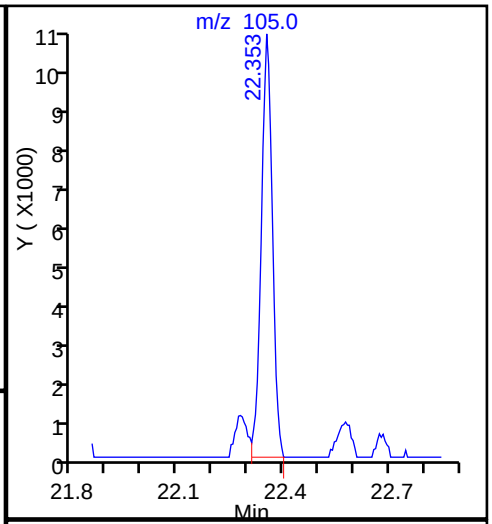
82 Isopropylbenzene, CAS: 98-82-8

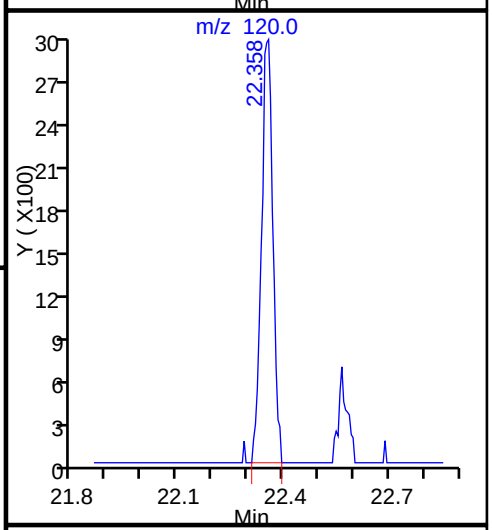


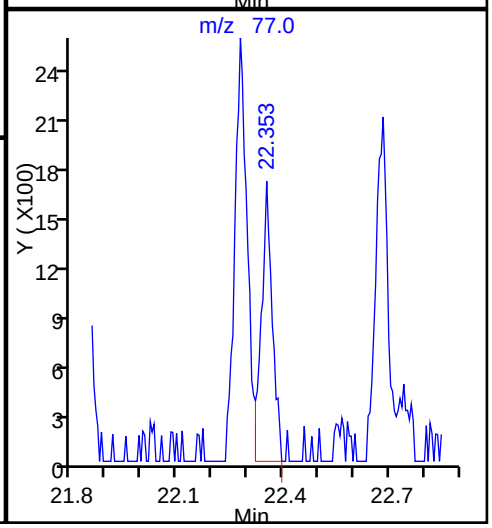






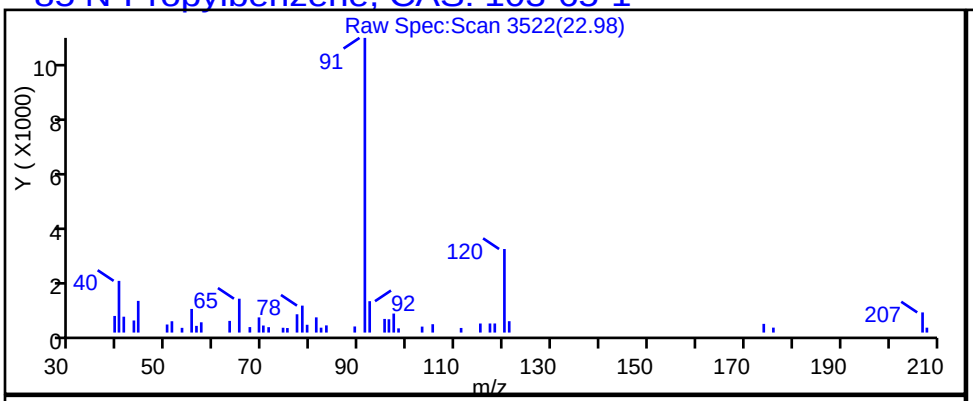


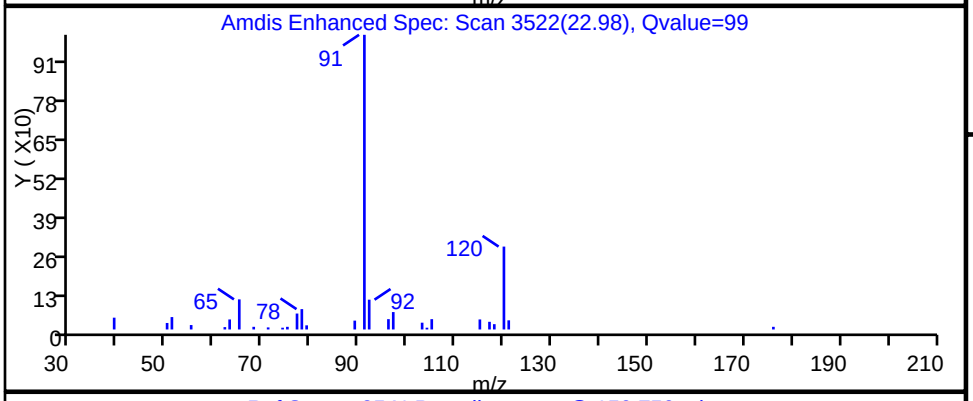


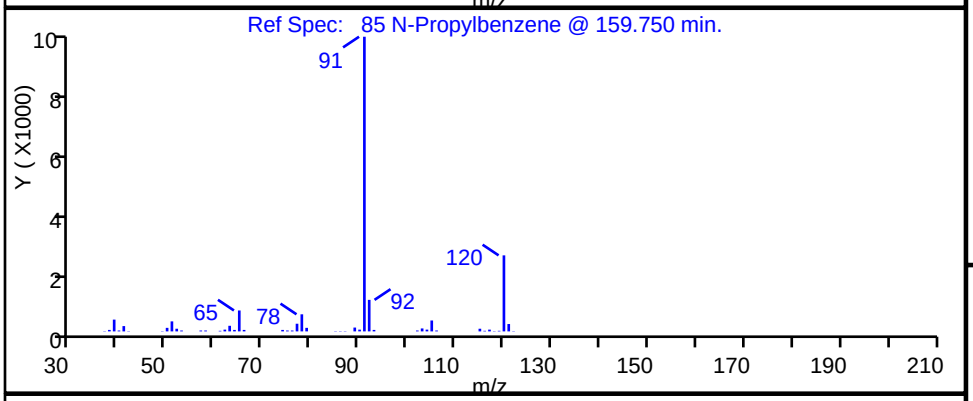


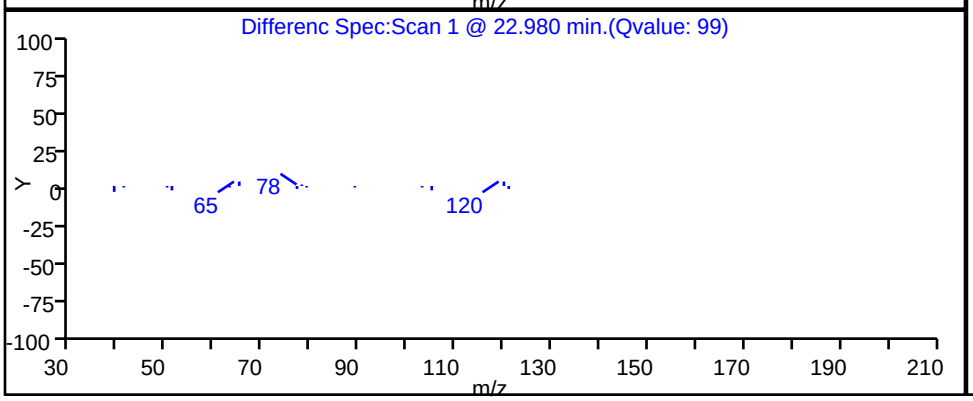
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

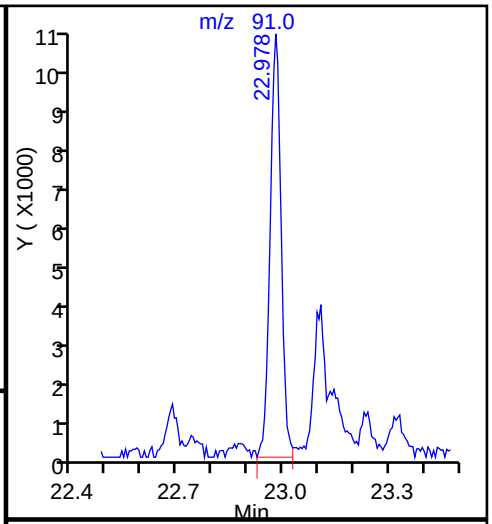
85 N-Propylbenzene, CAS: 103-65-1

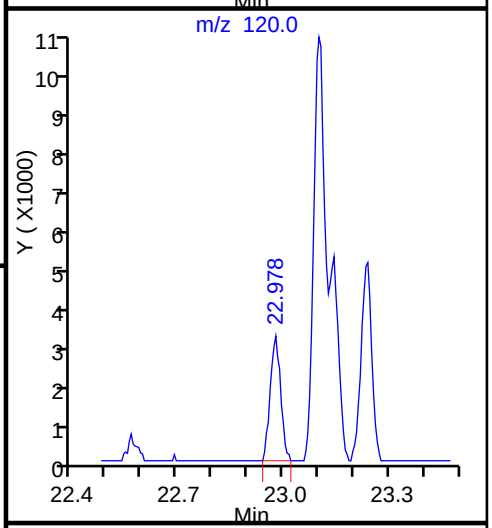


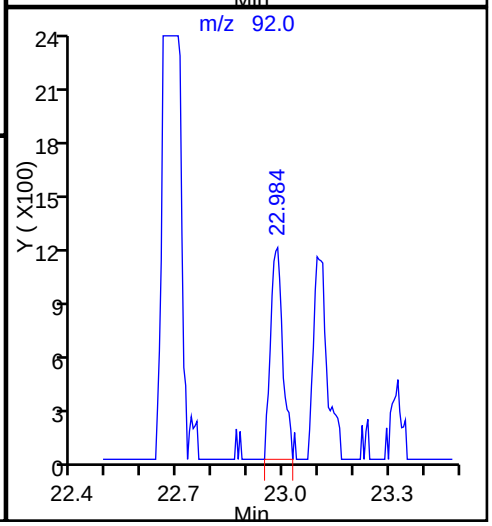






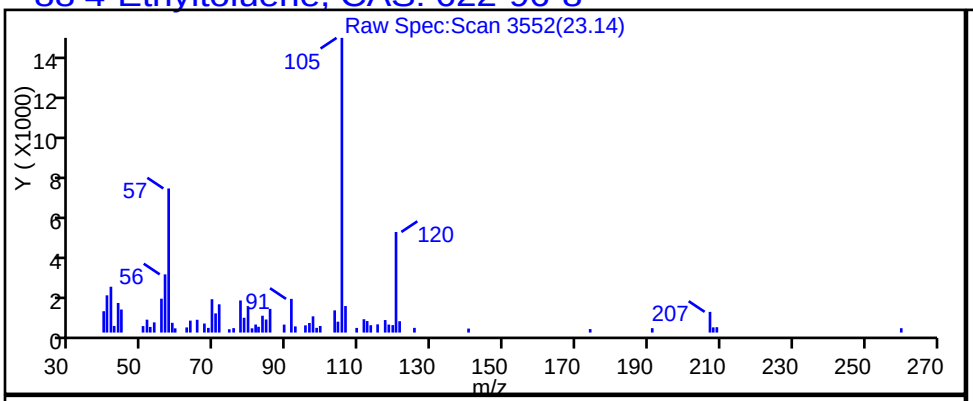


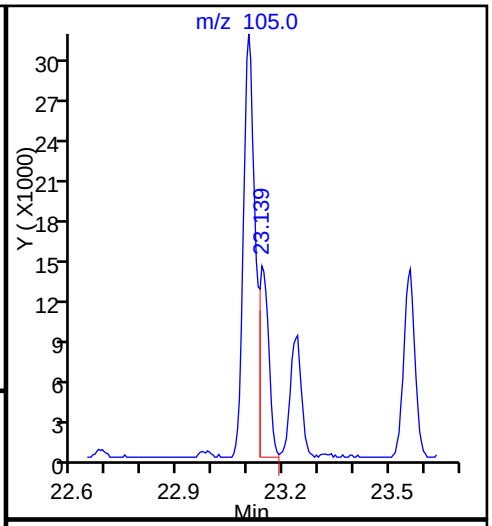


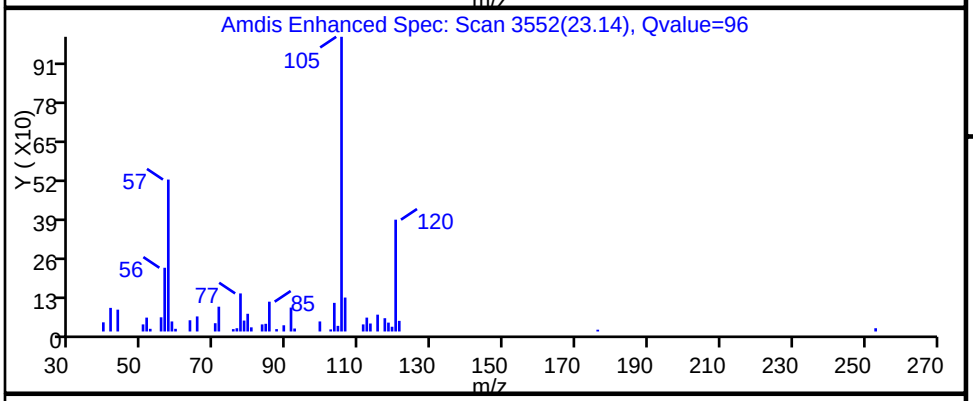


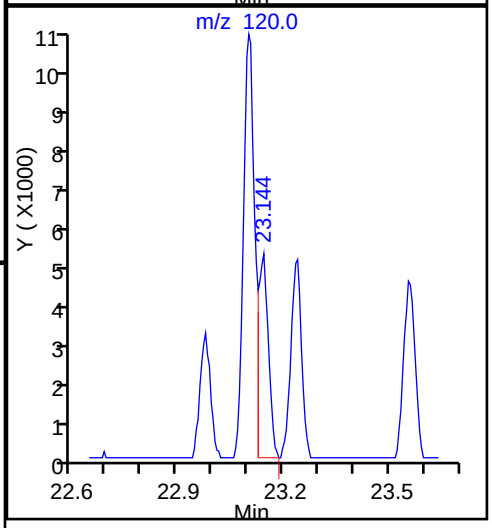
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

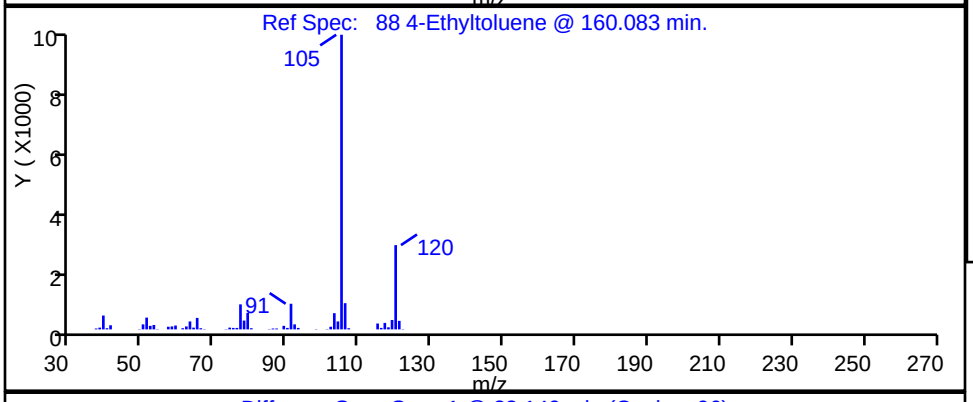
88 4-Ethyltoluene, CAS: 622-96-8

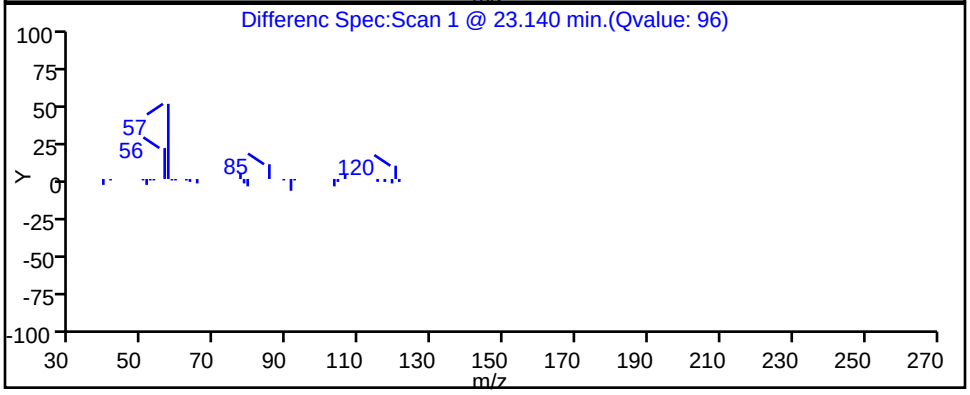






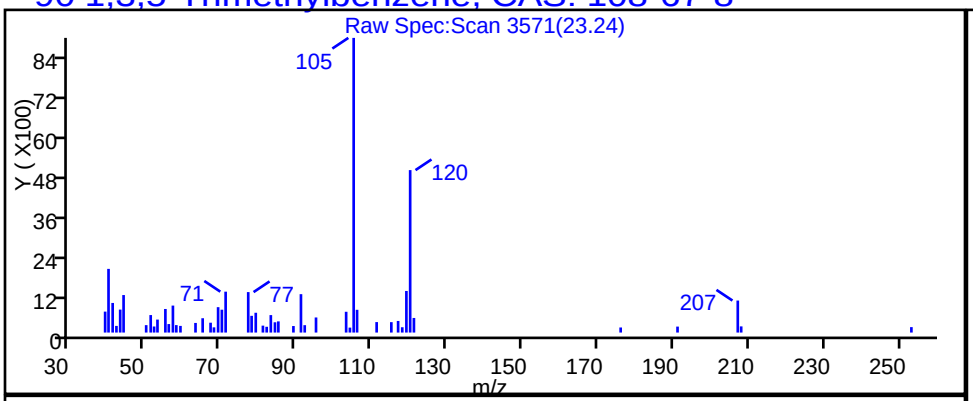


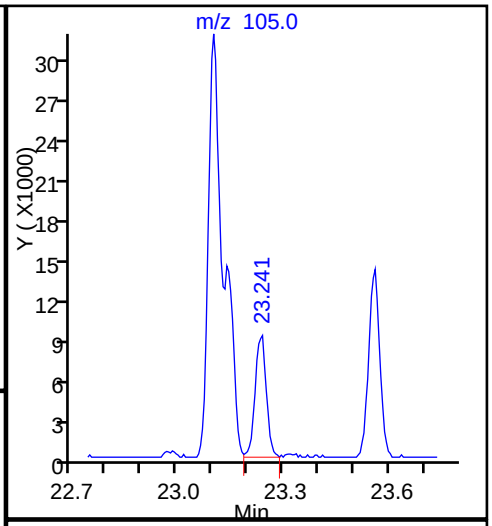


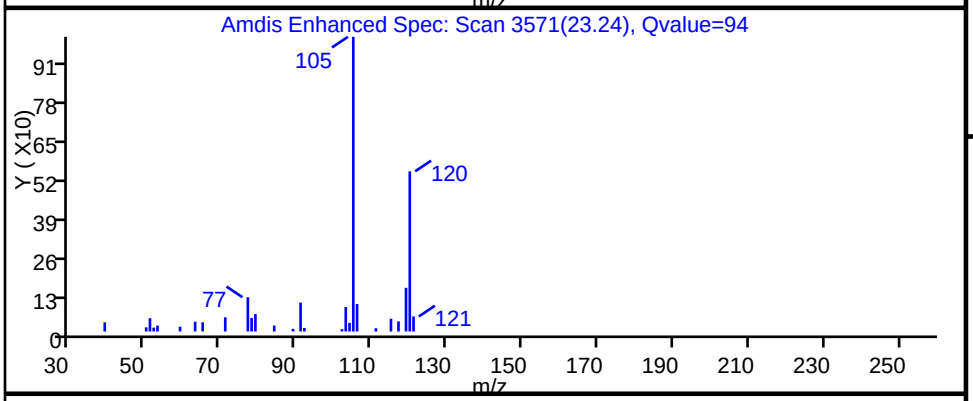


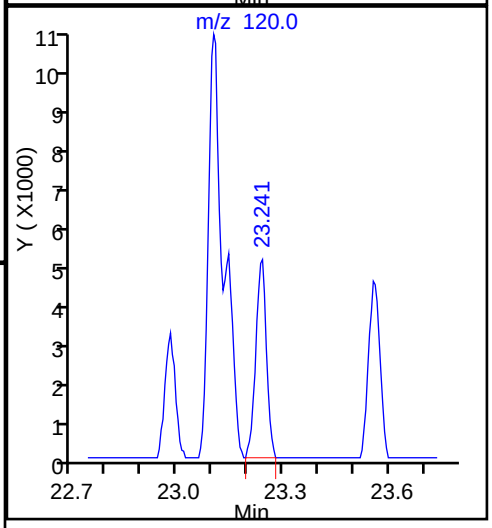
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

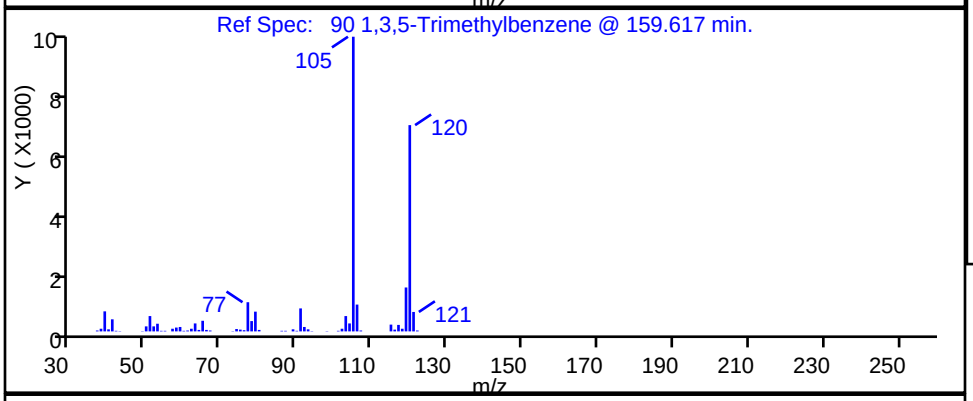
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

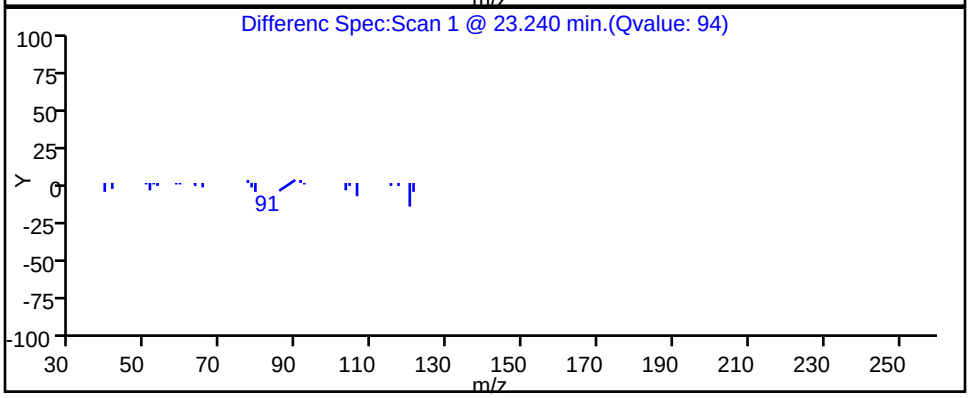






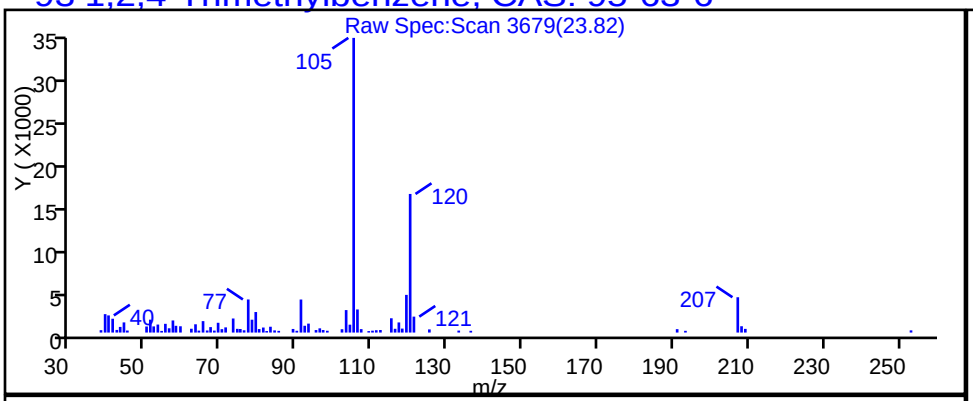


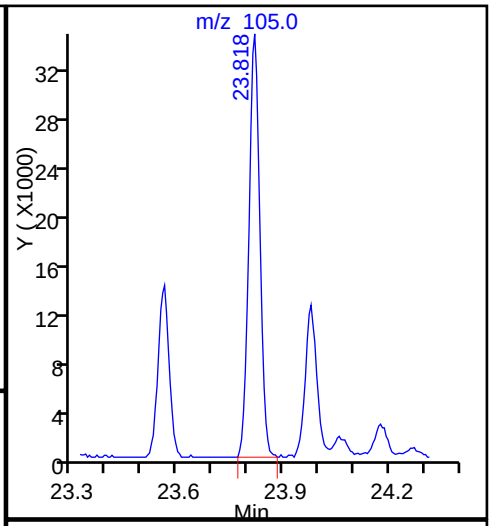


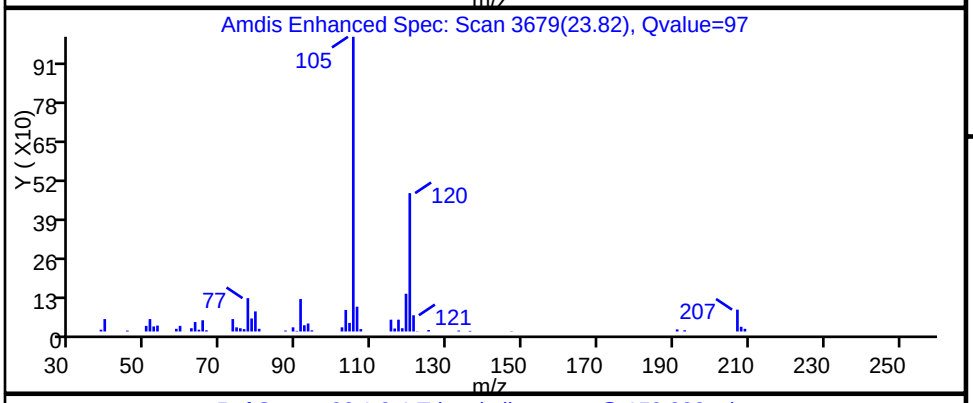


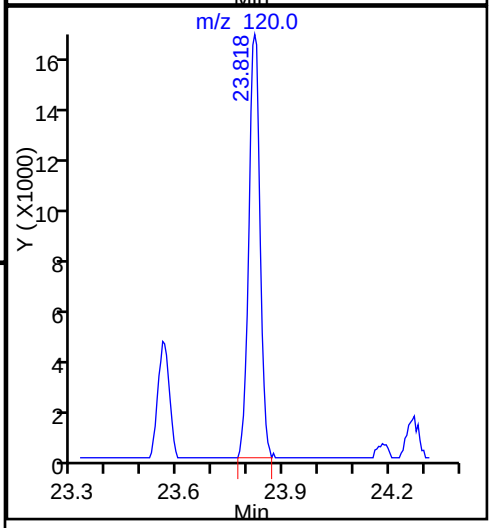
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

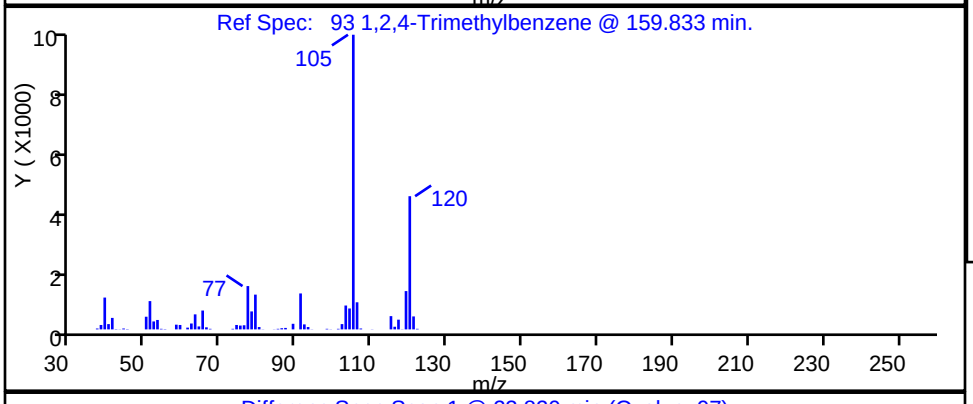
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

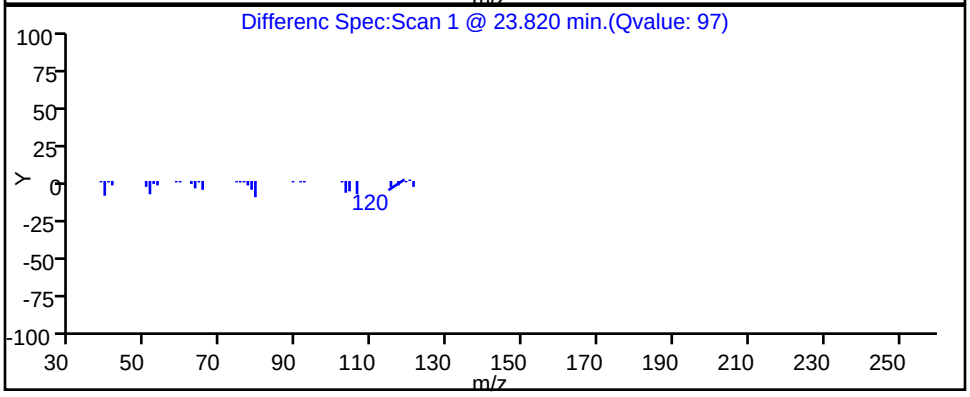








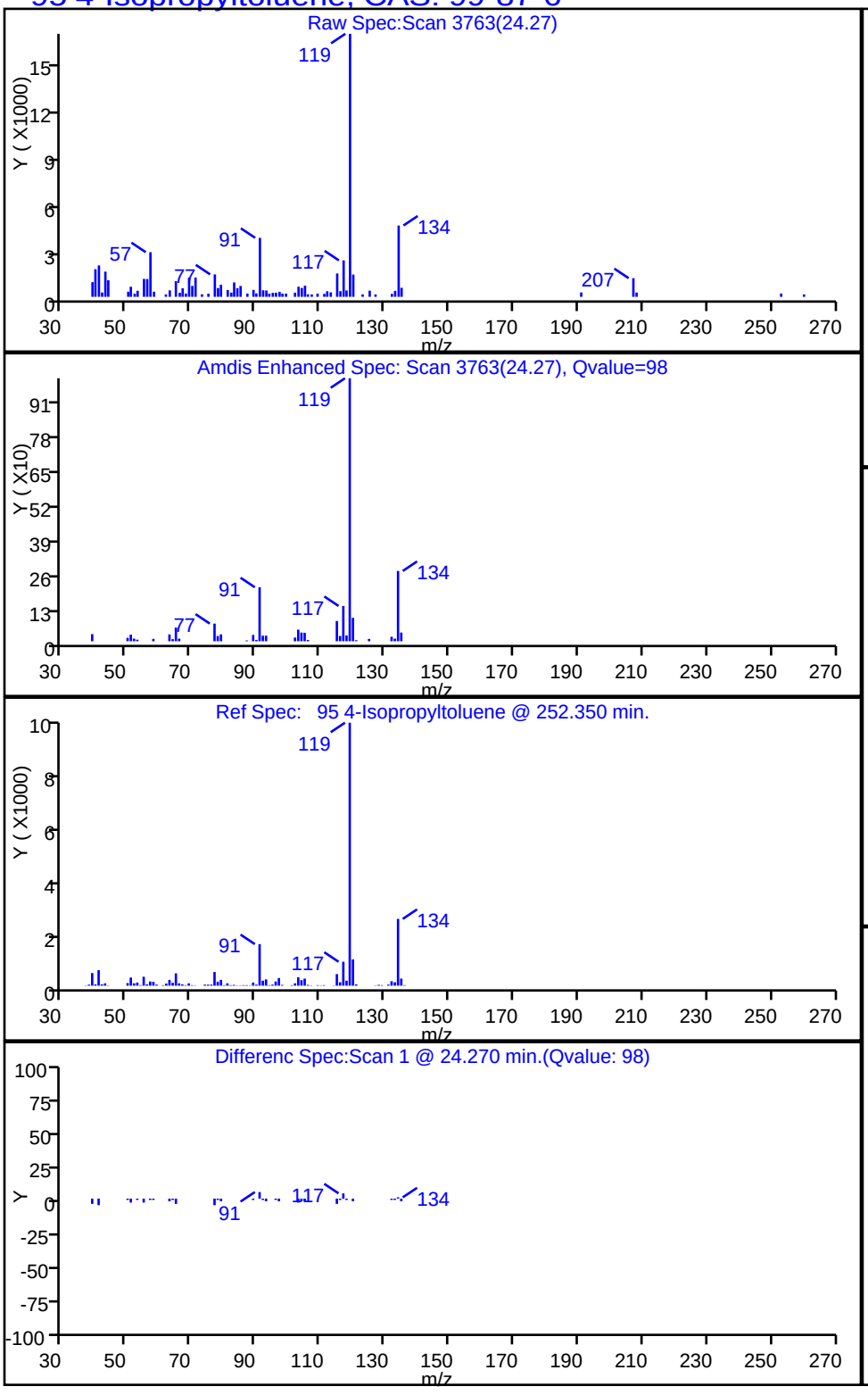


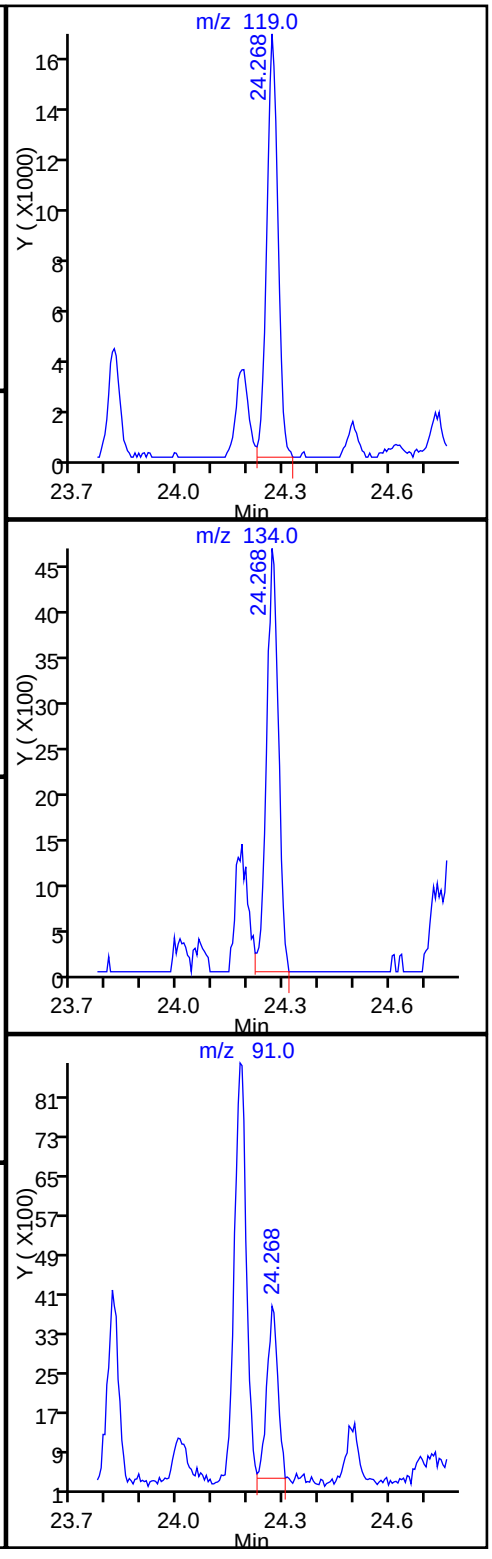


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d				
Injection Date:	10-Sep-2015 15:56:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-3	Lab Sample ID:	200-29580-3		
Client ID:	774VMP0101NA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

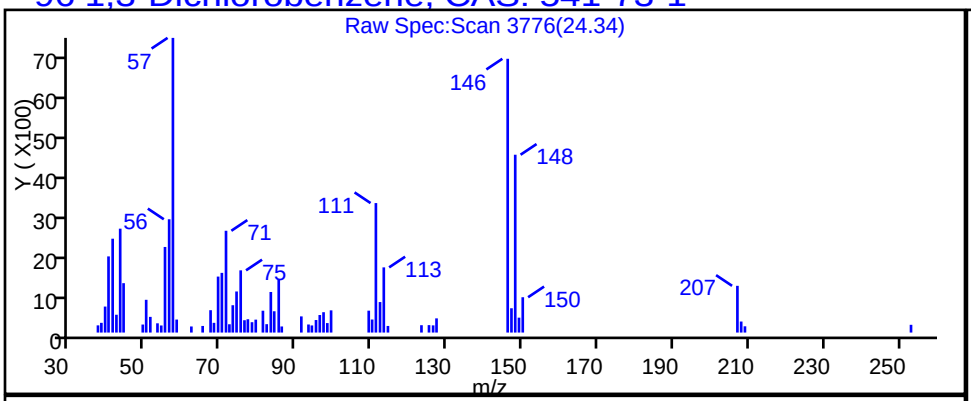
95 4-Isopropyltoluene, CAS: 99-87-6

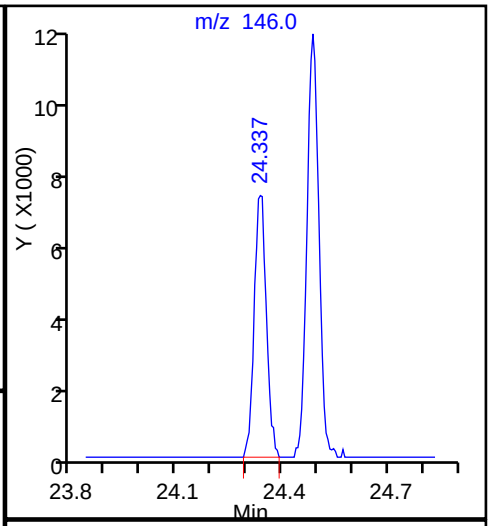


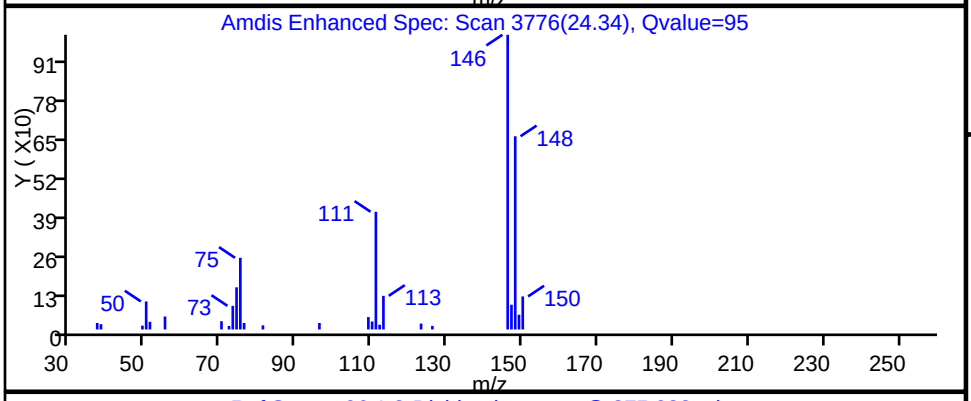


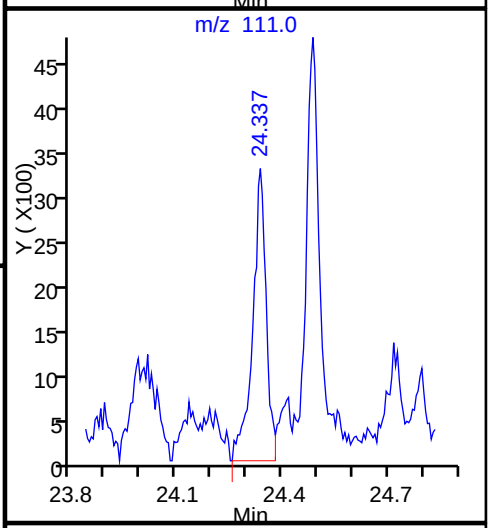
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

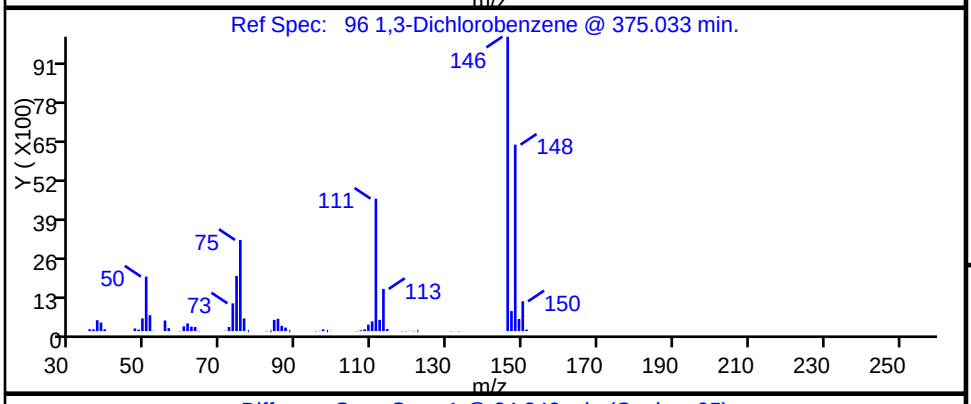
96 1,3-Dichlorobenzene, CAS: 541-73-1

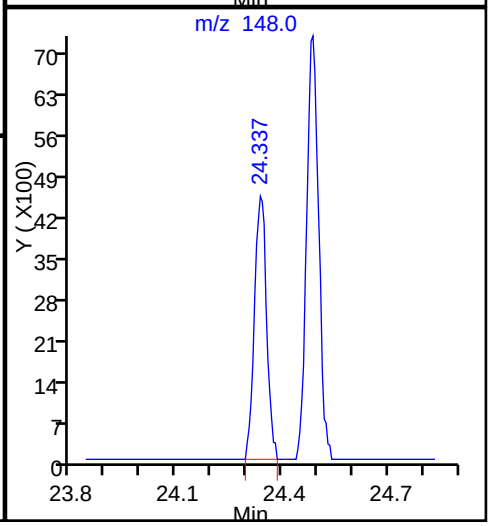


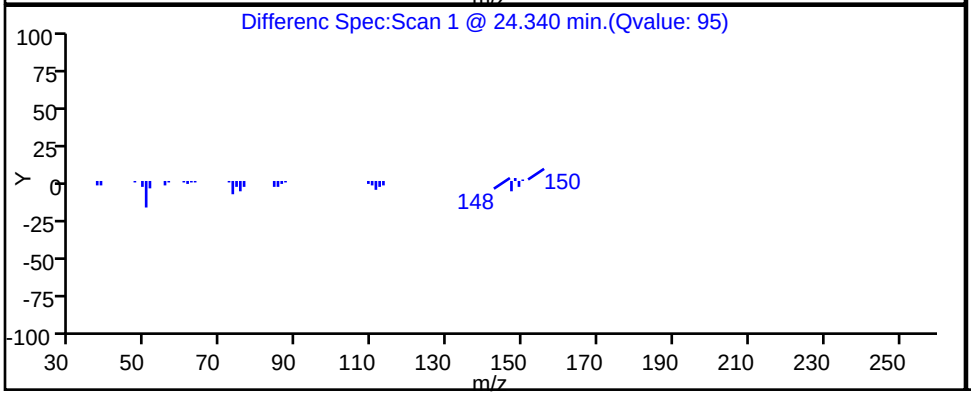






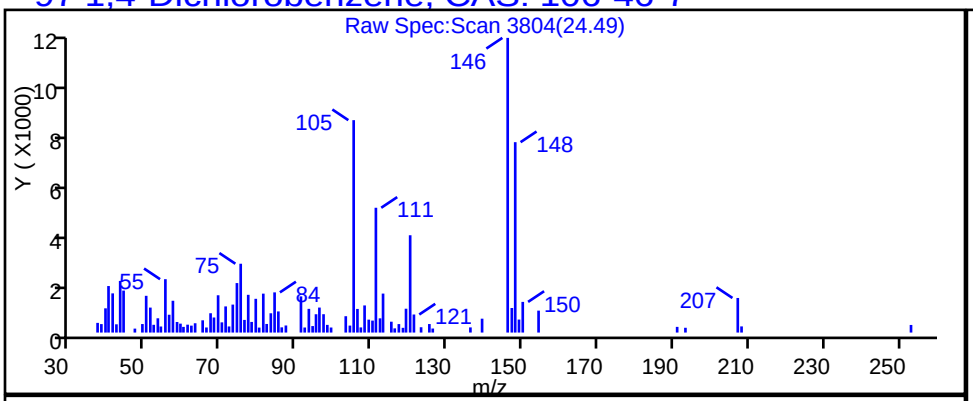


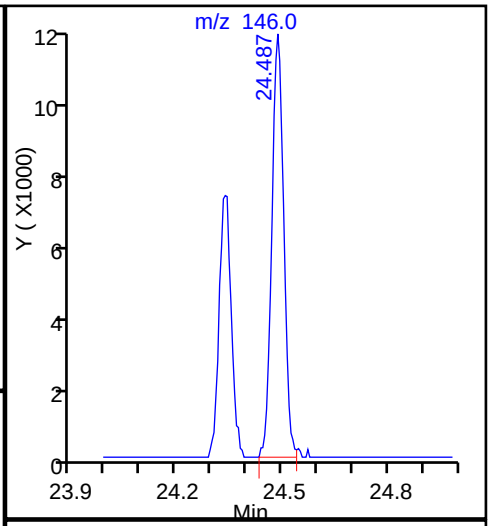


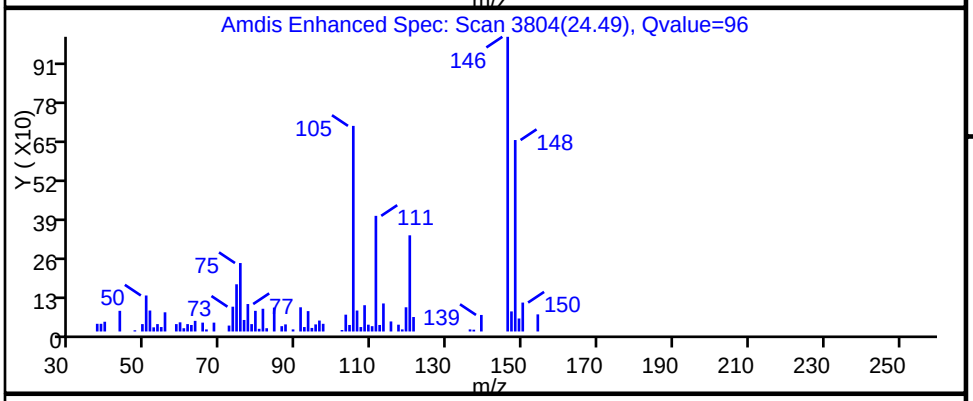


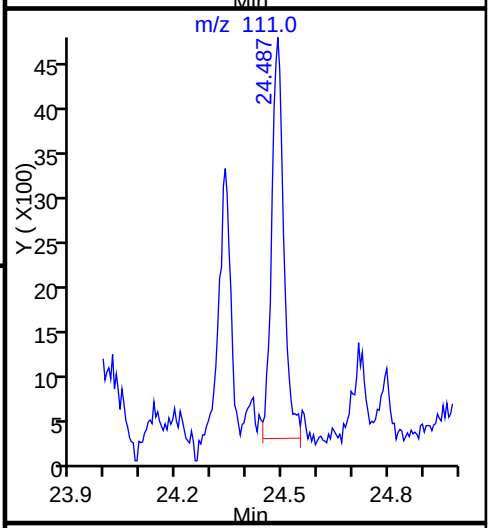
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

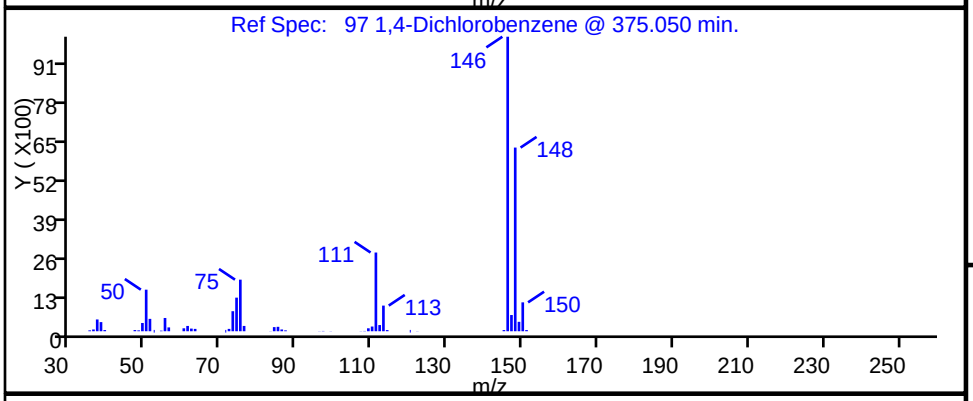
97 1,4-Dichlorobenzene, CAS: 106-46-7

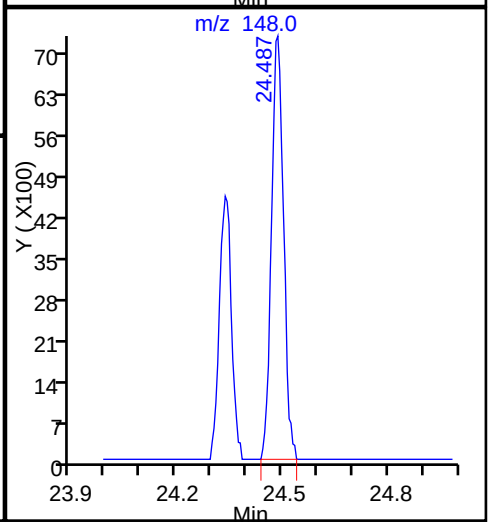


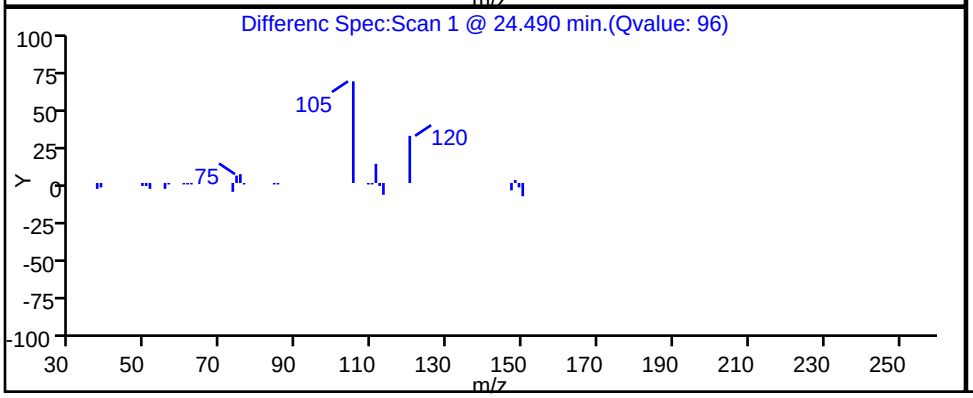






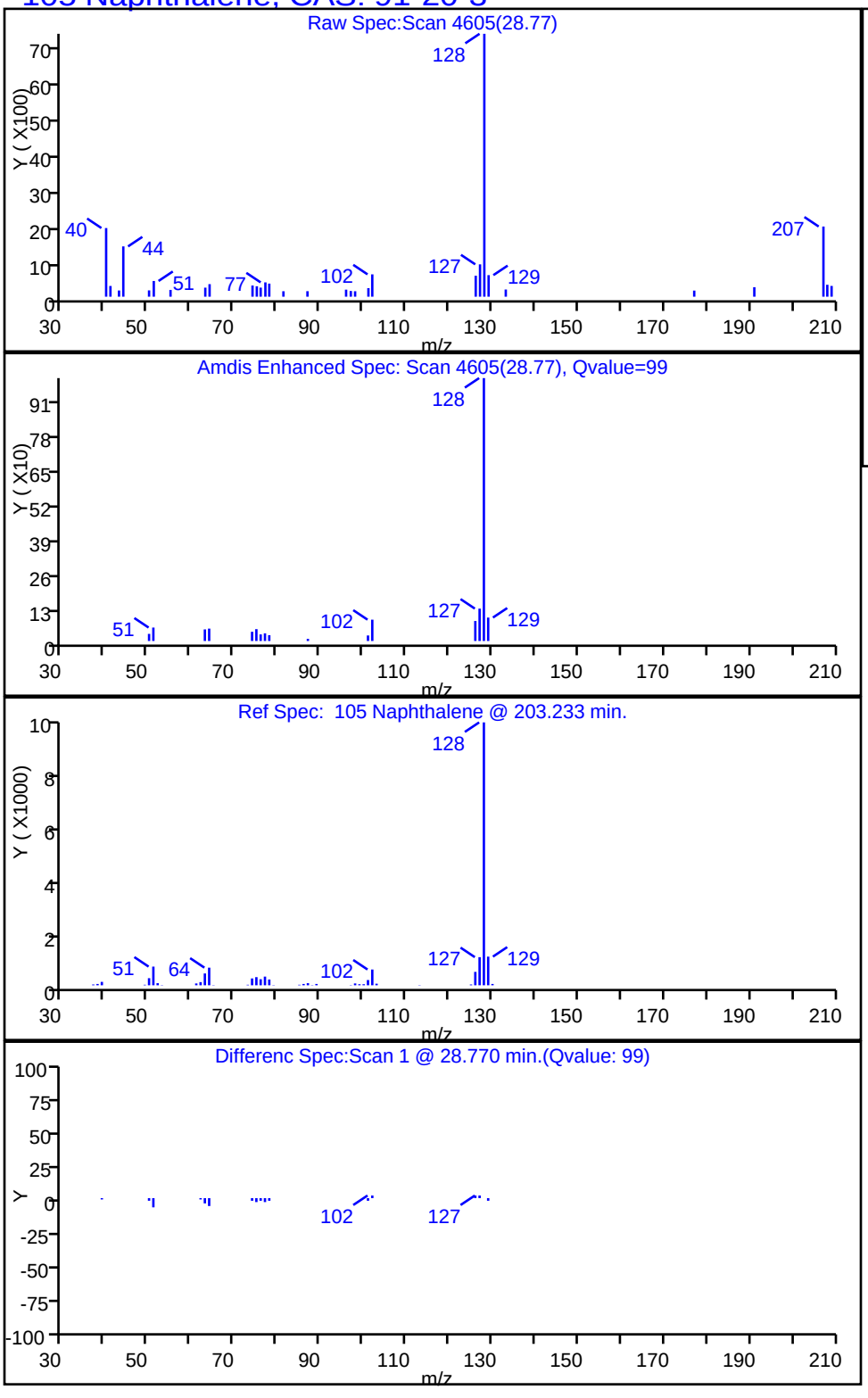


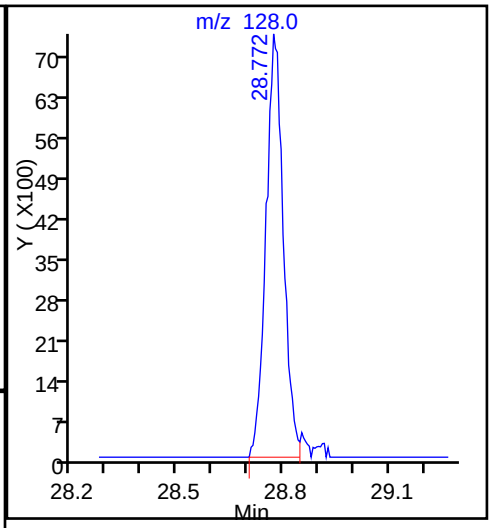




Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_010.d
Injection Date: 10-Sep-2015 15:56:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-3 Lab Sample ID: 200-29580-3
Client ID: 774VMP0101NA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

105 Naphthalene, CAS: 91-20-3





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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0201NA Lab Sample ID: 200-29580-4

Matrix: Air Lab File ID: 15679_011.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 16:46

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.58		0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.39	J	0.50	0.060
106-97-8	n-Butane	58.12	0.79		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.53		0.20	0.045
76-13-1	Freon TF	187.38	0.086	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	12		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	2.9	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.062	J M	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.13	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.21	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.11	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.63		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.12	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.12	J M	0.20	0.030
110-82-7	Cyclohexane	84.16	0.054	J M	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.11	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.045	J	0.20	0.023
71-43-2	Benzene	78.11	0.13	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0201NA Lab Sample ID: 200-29580-4

Matrix: Air Lab File ID: 15679_011.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 16:46

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.071	J	0.20	0.037
79-01-6	Trichloroethene	131.39	0.35		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	1.1		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	1.2		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.3		0.50	0.025
95-47-6	Xylene, o-	106.17	0.50		0.20	0.018
1330-20-7	Xylene (total)	106.17	1.8		0.70	0.041
100-42-5	Styrene	104.15	0.13	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.088	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.093	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.13	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.10	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.36		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.051	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.12	J	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0201NA Lab Sample ID: 200-29580-4

Matrix: Air Lab File ID: 15679_011.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 16:46

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.16	J	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0201NA | Lab Sample ID: 200-29580-4

Matrix: Air | Lab File ID: 15679_011.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 11:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 16:46

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.9		2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.82	J	1.0	0.12
106-97-8	n-Butane	58.12	1.9		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	3.0		1.1	0.25
76-13-1	Freon TF	187.38	0.66	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	29		12	1.6
67-63-0	Isopropyl alcohol	60.10	7.1	J	12	0.37
75-15-0	Carbon disulfide	76.14	0.19	J M	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.45	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.63	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.37	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.9		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.58	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.66	J M	1.1	0.16
110-82-7	Cyclohexane	84.16	0.19	J M	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.67	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.21	J	0.93	0.11
71-43-2	Benzene	78.11	0.41	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0201NA Lab Sample ID: 200-29580-4

Matrix: Air Lab File ID: 15679_011.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 16:46

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.29	J	0.82	0.15
79-01-6	Trichloroethene	131.39	1.9		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	4.1		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	5.2		0.87	0.087
179601-23-1	m,p-Xylene	106.17	5.7		2.2	0.11
95-47-6	Xylene, o-	106.17	2.2		0.87	0.078
1330-20-7	Xylene (total)	106.17	7.8		3.0	0.18
100-42-5	Styrene	104.15	0.55	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.43	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.46	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.64	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.50	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	1.8		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.28	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.71	J	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0201NA Lab Sample ID: 200-29580-4

Matrix: Air Lab File ID: 15679_011.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 16:46

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.82	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Sample Type: Client
Inject. Date: 10-Sep-2015 16:46:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-011
Misc. Info.: 29580-4
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:00:30 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:00:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.426	4.415	0.011	97	42816	0.5829	
3 Chlorodifluoromethane	51		4.485				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	5.014	4.998	0.016	98	7529	0.3949	
6 Butane	43	5.298	5.282	0.016	98	21920	0.7887	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.309	7.288	0.021	98	42968	0.5310	
20 1,1,2-Trichloro-1,2,2-trif	101	8.598	8.593	0.005	94	5221	0.0857	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.946	8.946	0.000	97	357406	12.1	
23 Carbon disulfide	76	9.176	9.176	0.010	77	4361	0.0615	M
24 Isopropyl alcohol	45	9.230	9.224	0.006	98	73705	2.88	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.936	9.931	0.005	88	2973	0.1292	
28 2-Methyl-2-propanol	59	10.139	10.123	0.016	97	8388	0.2070	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.861	10.856	0.005	87	3958	0.1063	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.653	12.654	-0.001	98	9445	0.6321	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	71	227992	10.0	
41 Tetrahydrofuran	42		13.114				ND	
42 Chloroform	83	13.215	13.221	-0.006	93	7141	0.1188	
43 Cyclohexane	84	13.504	13.520	-0.011	14	2247	0.0538	M
44 1,1,1-Trichloroethane	97	13.536	13.536	0.000	96	7792	0.1201	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.782	13.788	-0.006	68	6992	0.1065	
46 Isooctane	57	14.200	14.189	0.011	94	5456	0.0454	
47 Benzene	78	14.258	14.259	0.000	93	11782	0.1277	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43	14.542	14.537	0.005	72	2685	0.0712	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1072149	10.0	
53 Trichloroethene	95	15.483	15.484	-0.001	93	15166	0.3500	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88	16.211	16.200	0.011	34	1397	0.0899	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.629	17.629	0.000	96	6484	0.1362	
65 Toluene	92	17.966	17.960	0.006	93	87135	1.09	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43		19.266				ND	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		1.81	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1113044	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.897	20.903	-0.006	97	210161	1.20	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	99	94891	1.31	
79 o-Xylene	106	21.807	21.807	0.000	98	37041	0.4970	
80 Styrene	104	21.839	21.839	0.000	87	14644	0.1284	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.353	22.353	-0.001	94	18583	0.0875	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.973	22.979	-0.006	100	22663	0.0926	
88 4-Ethyltoluene	105	23.144	23.144	0.000	98	28241	0.1297	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	94	18900	0.1019	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	67029	0.3579	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	97	11963	0.0506	
96 1,3-Dichlorobenzene	146	24.343	24.337	0.006	95	17061	0.1178	
97 1,4-Dichlorobenzene	146	24.487	24.487	0.000	74	2314	0.0160	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.778	28.772	0.006	99	35455	0.1562	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

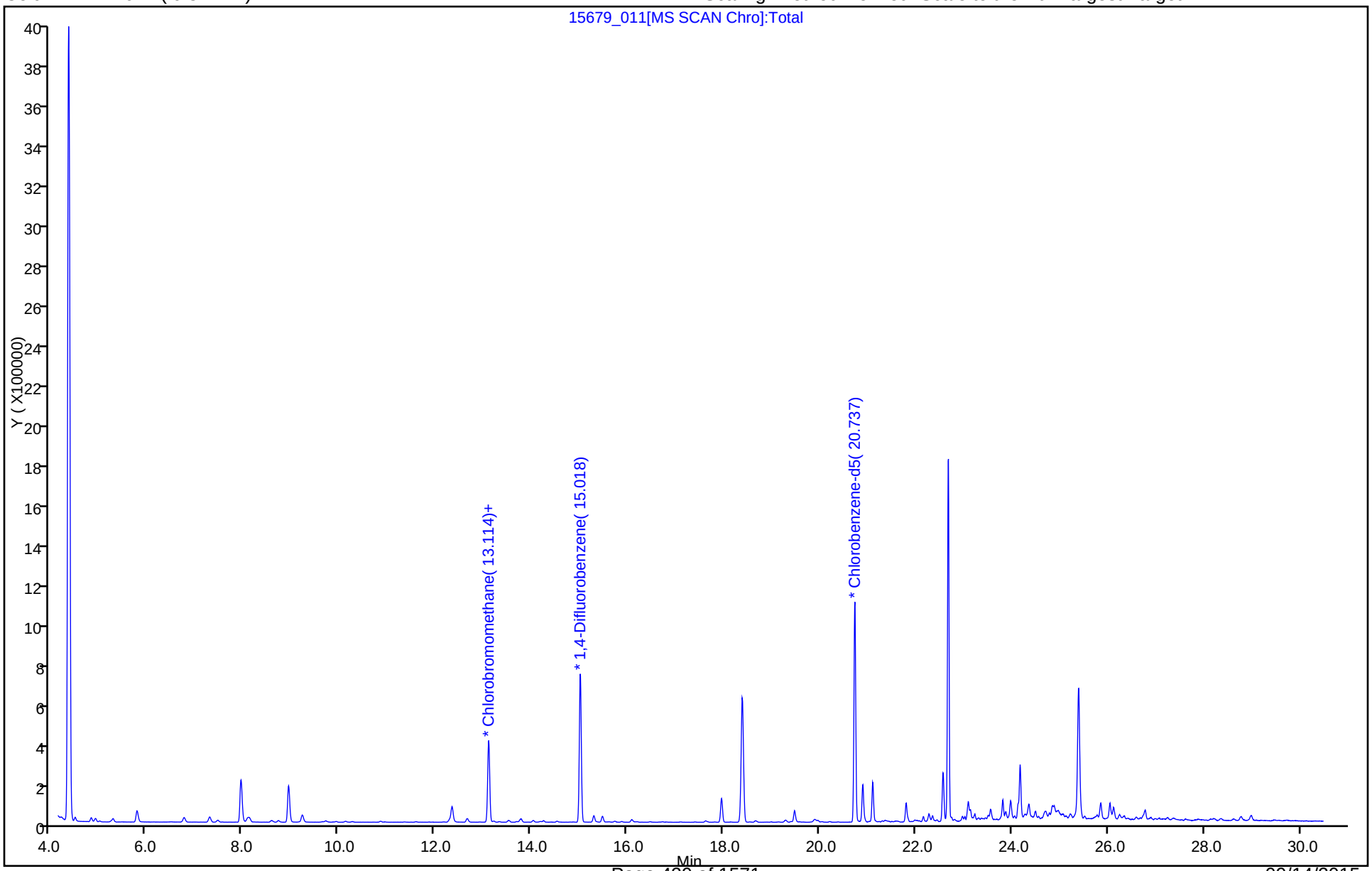
Report Date: 11-Sep-2015 11:00:31 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d

Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4	Worklist Smp#:	11
Client ID:	774VMP0201NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

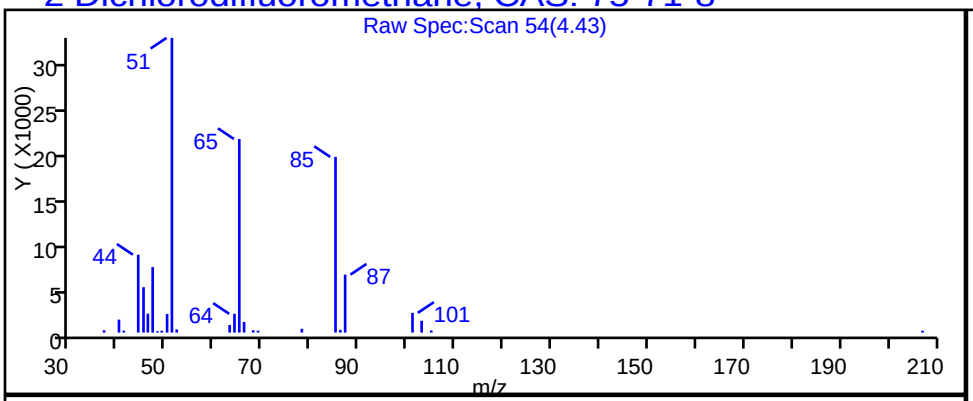
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

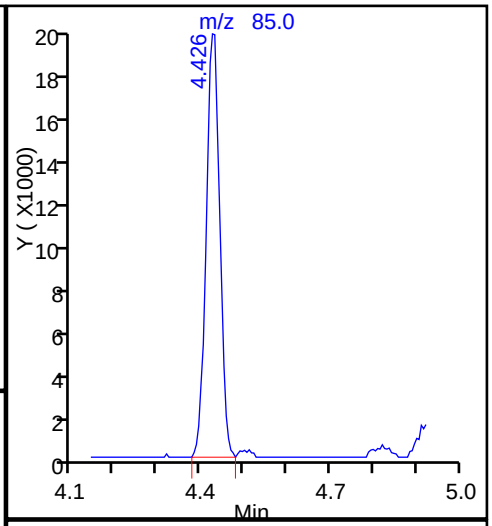


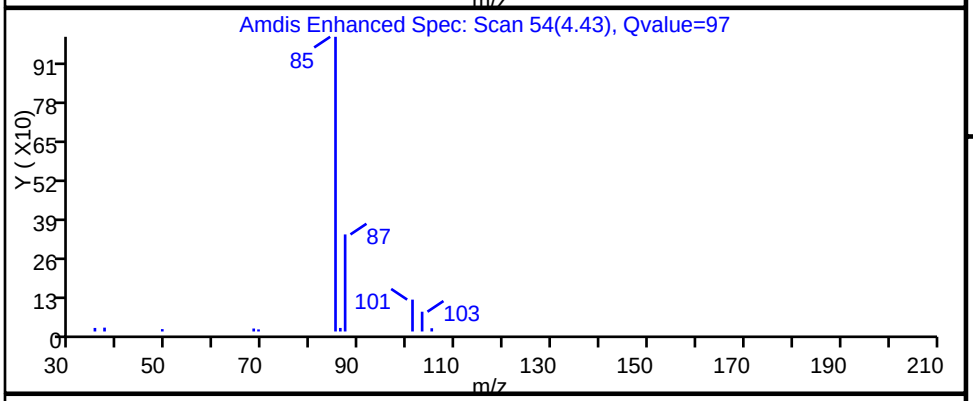
TestAmerica Burlington

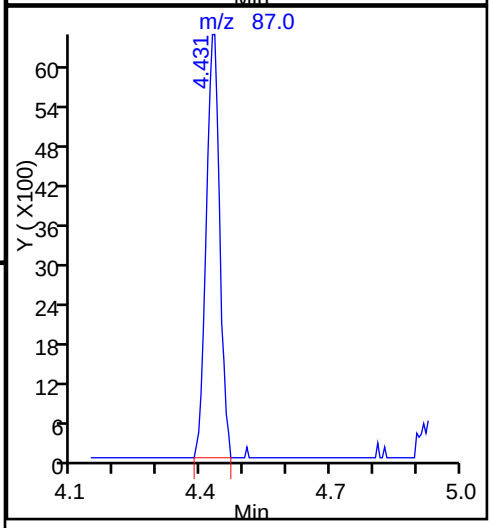
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

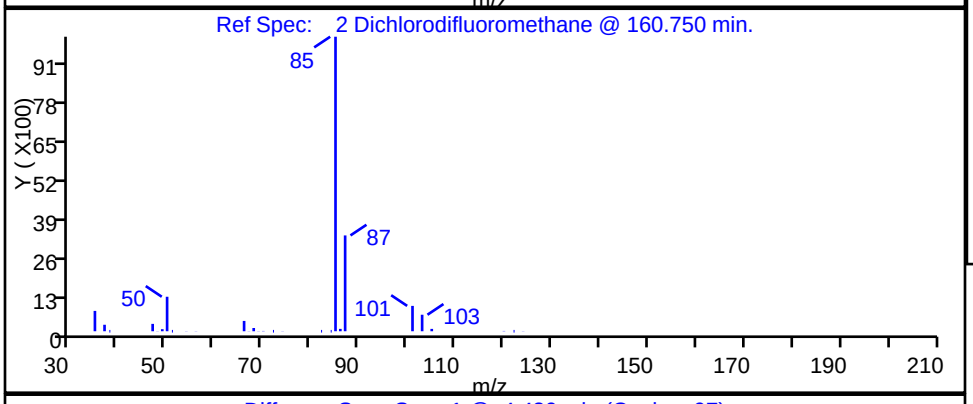
2 Dichlorodifluoromethane, CAS: 75-71-8

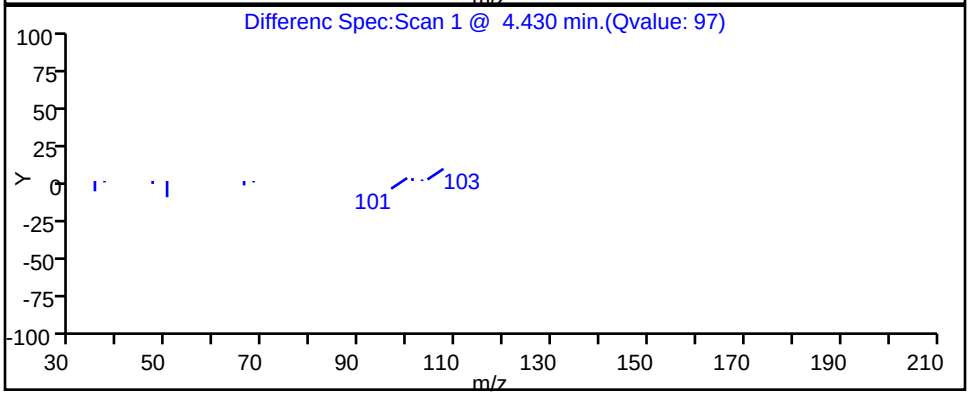








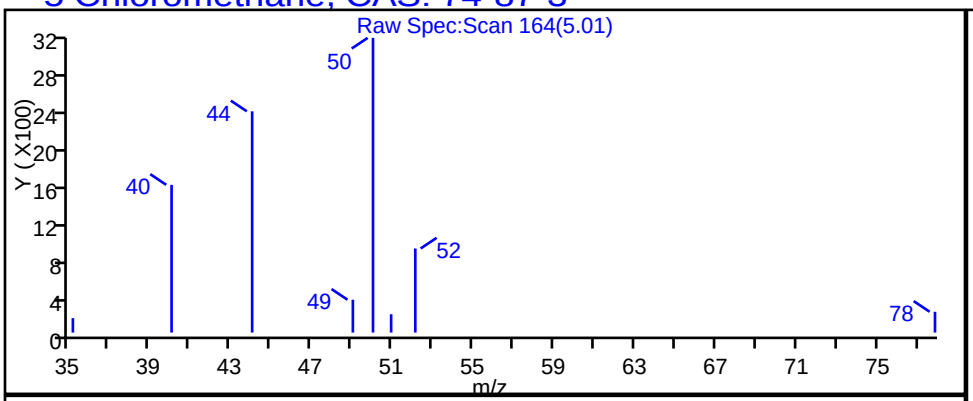


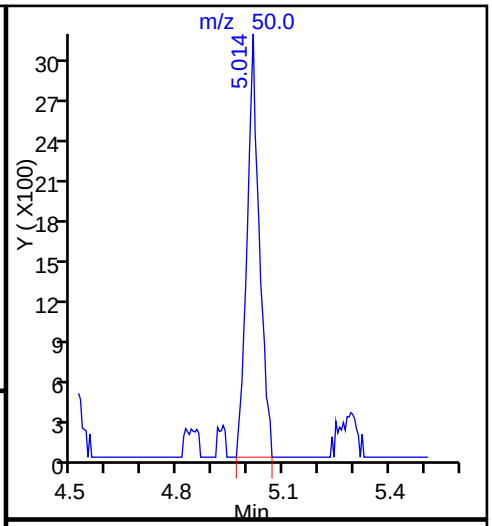


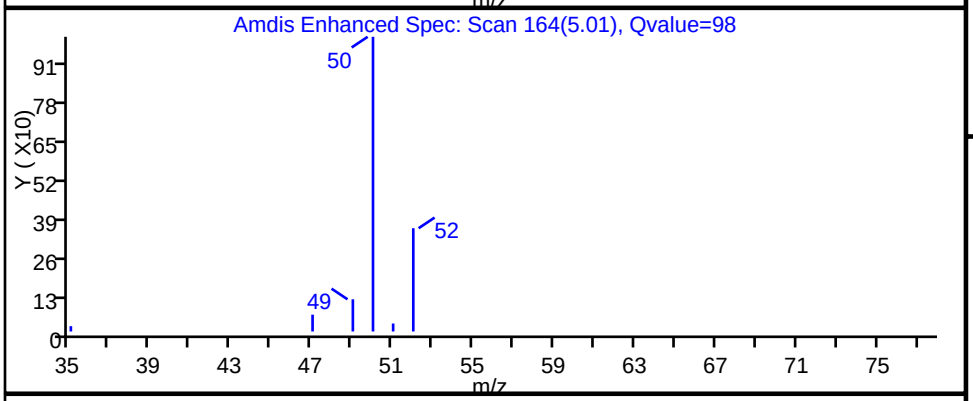
TestAmerica Burlington

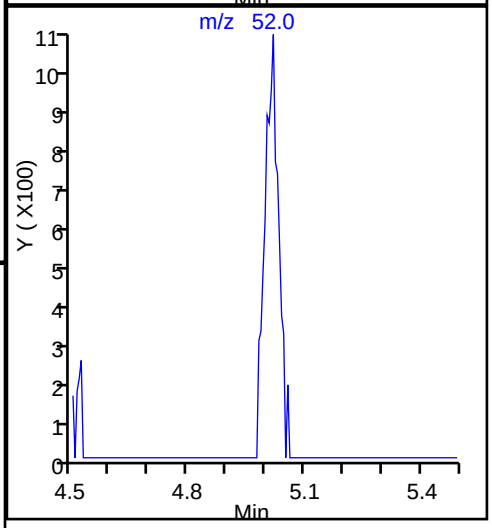
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

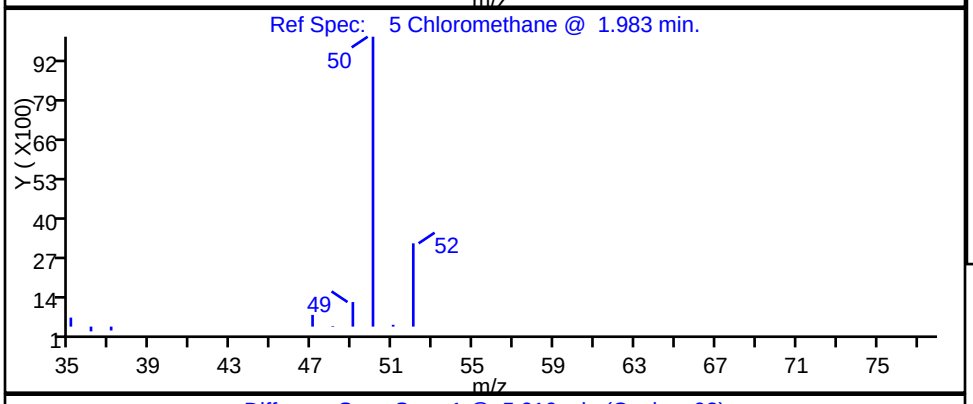
5 Chloromethane, CAS: 74-87-3

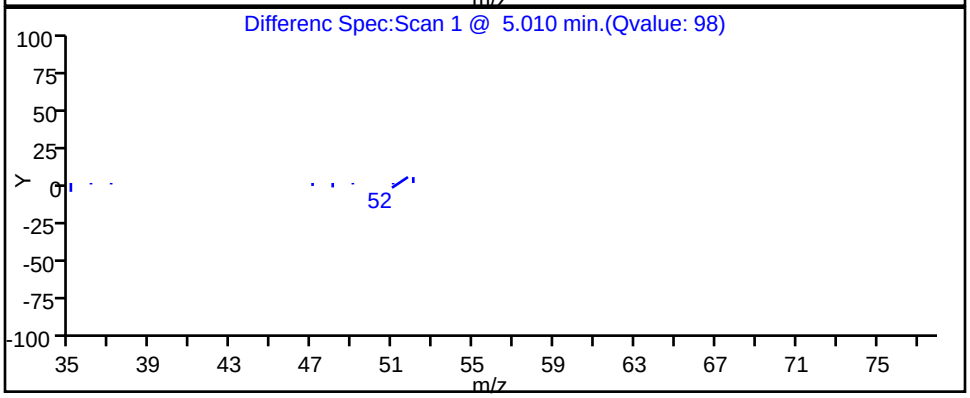






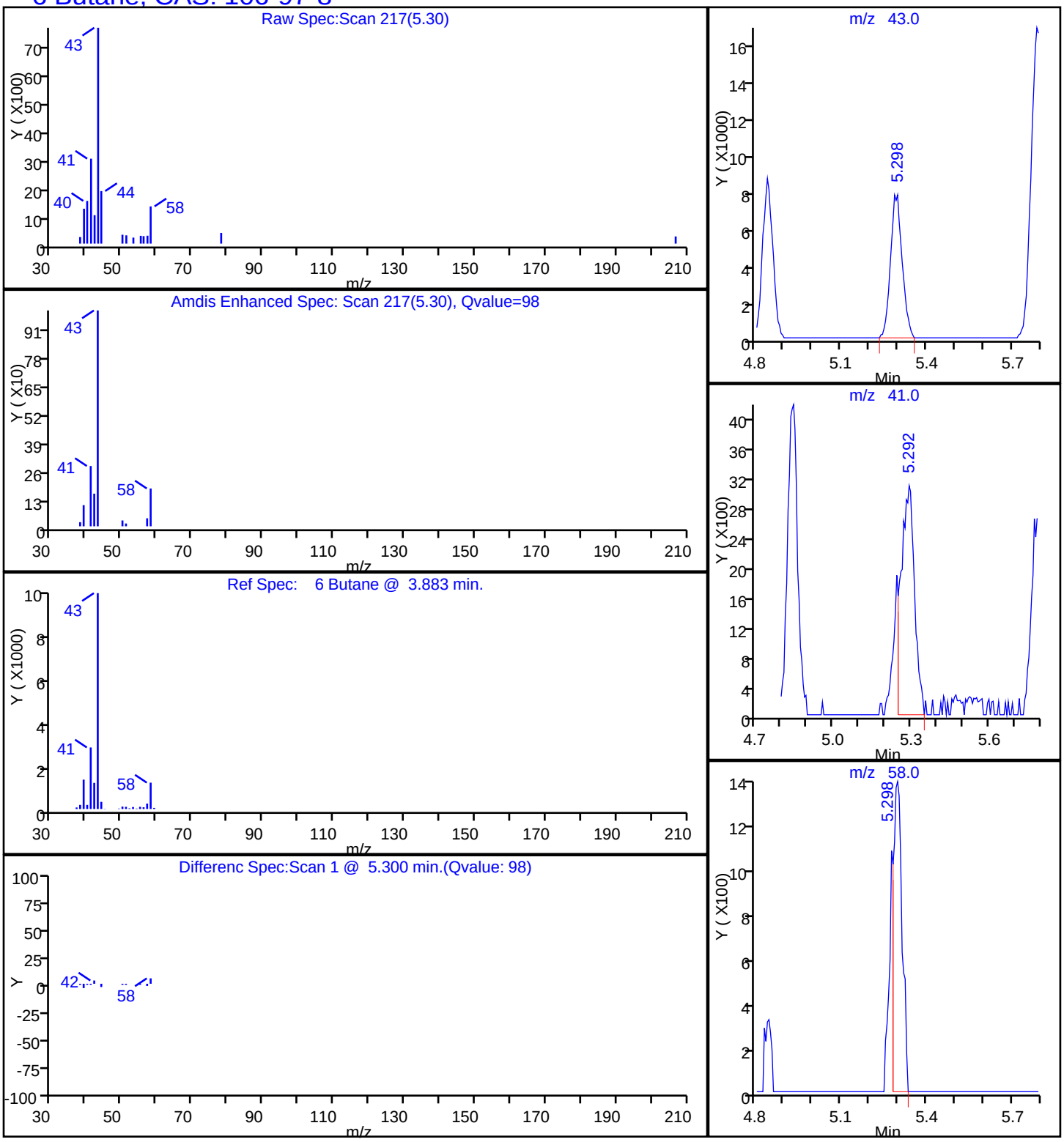






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

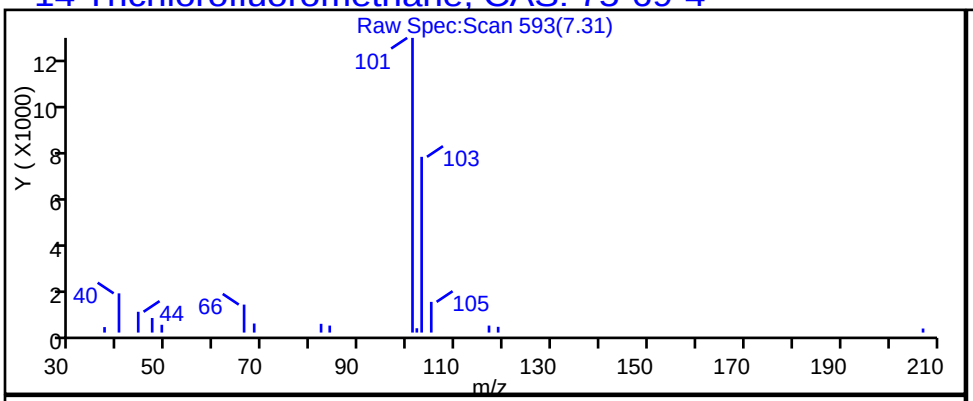
6 Butane, CAS: 106-97-8

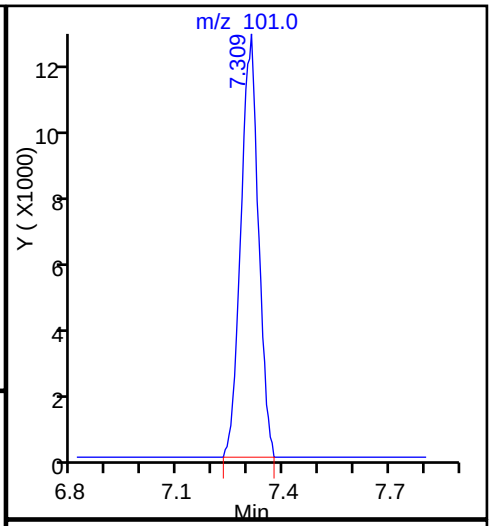


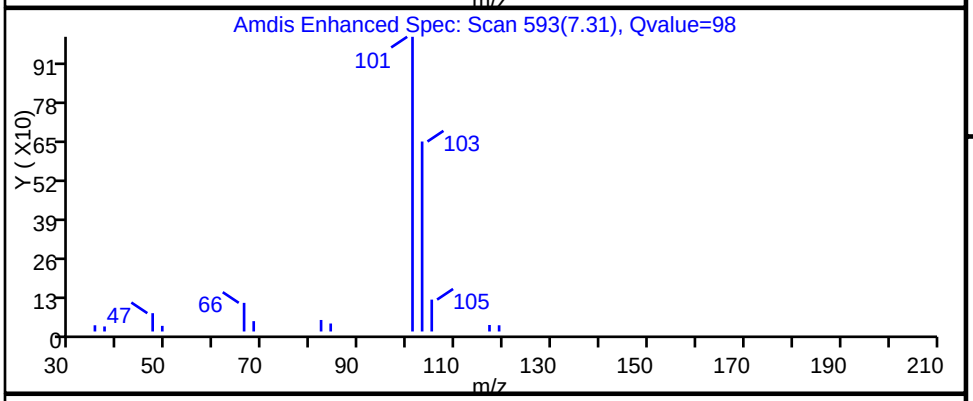
TestAmerica Burlington

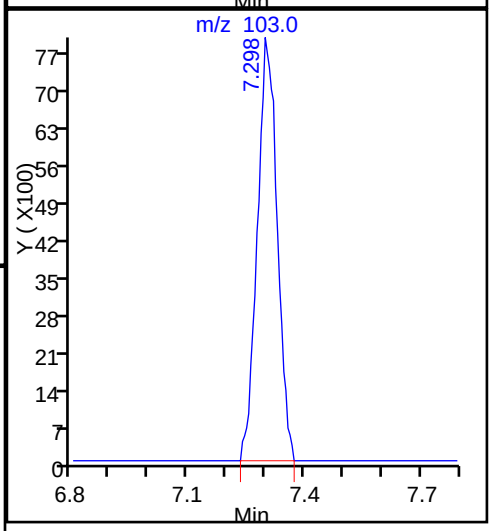
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

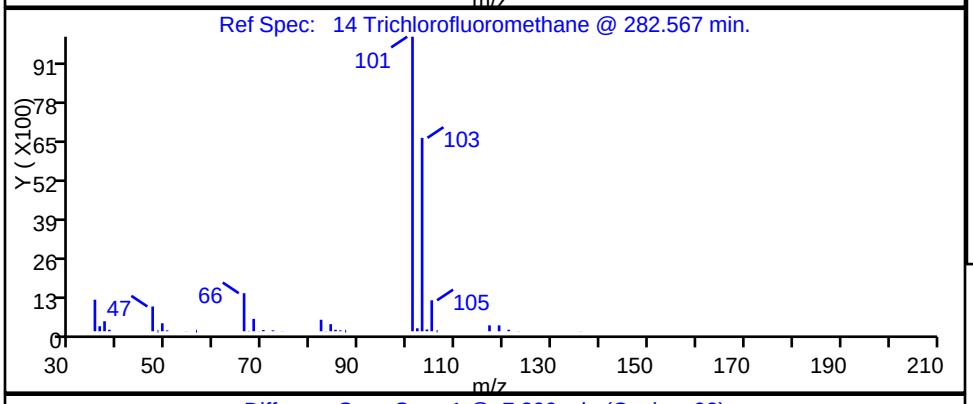
14 Trichlorofluoromethane, CAS: 75-69-4

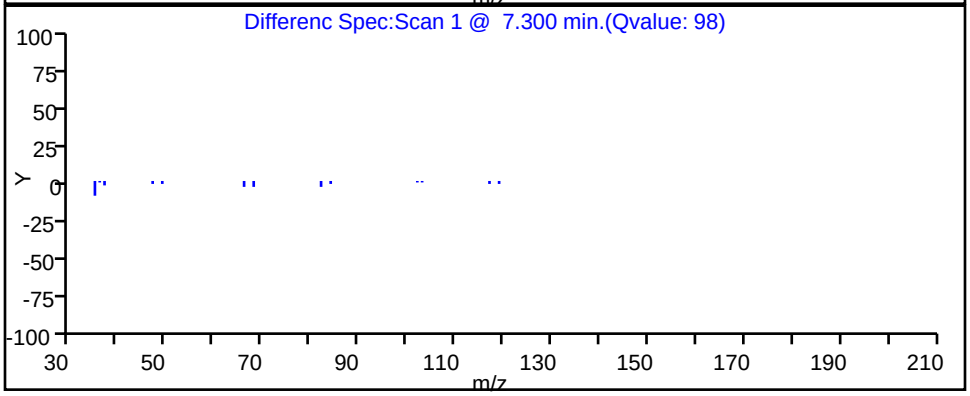








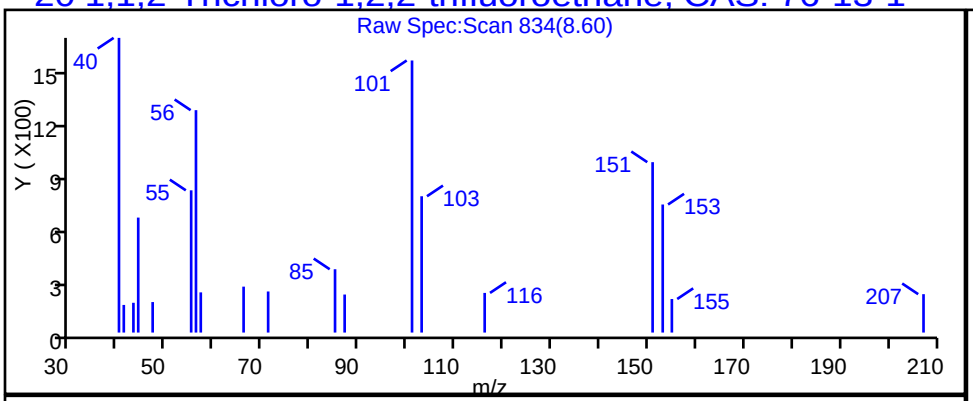


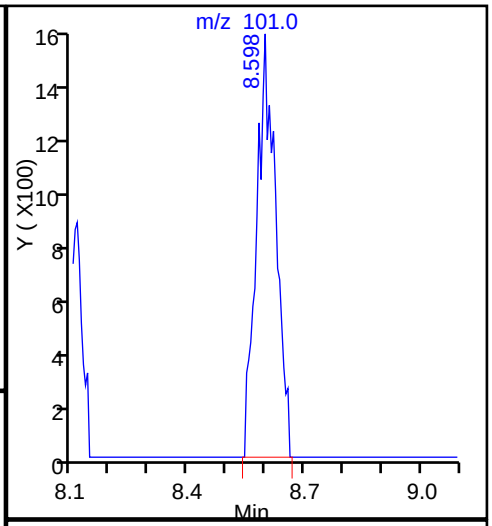


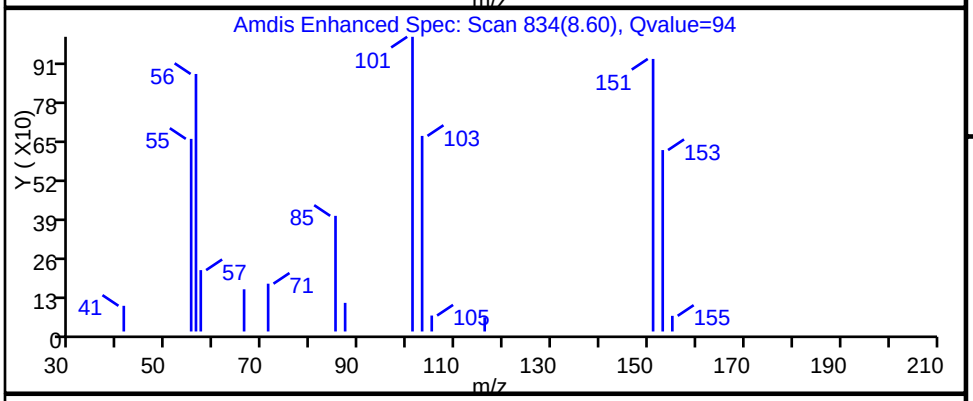
TestAmerica Burlington

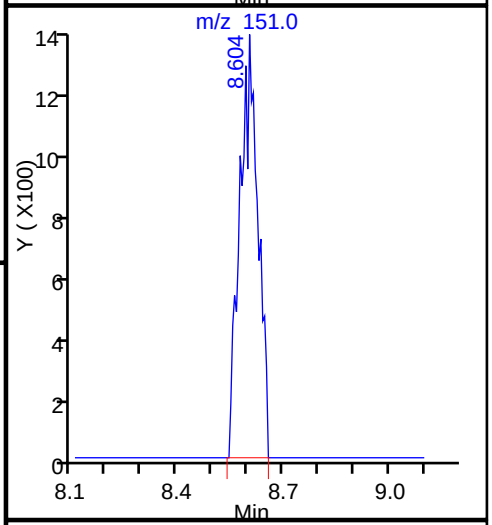
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

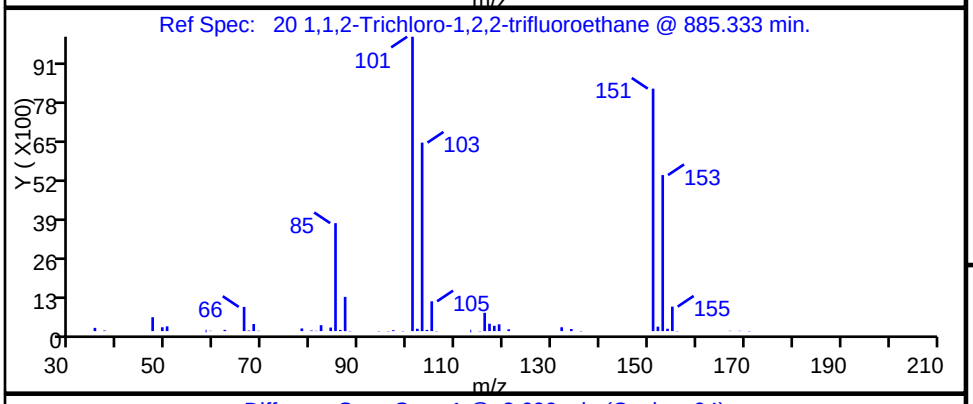
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

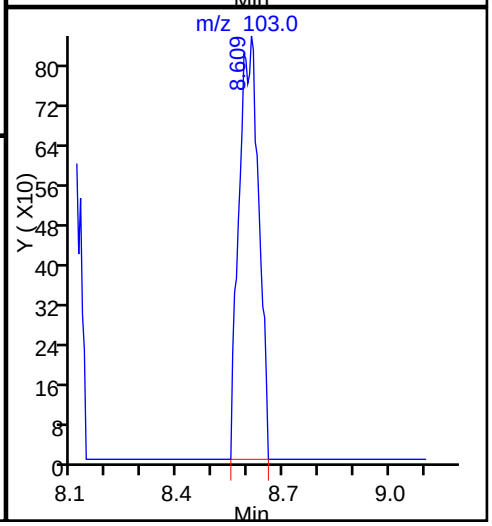


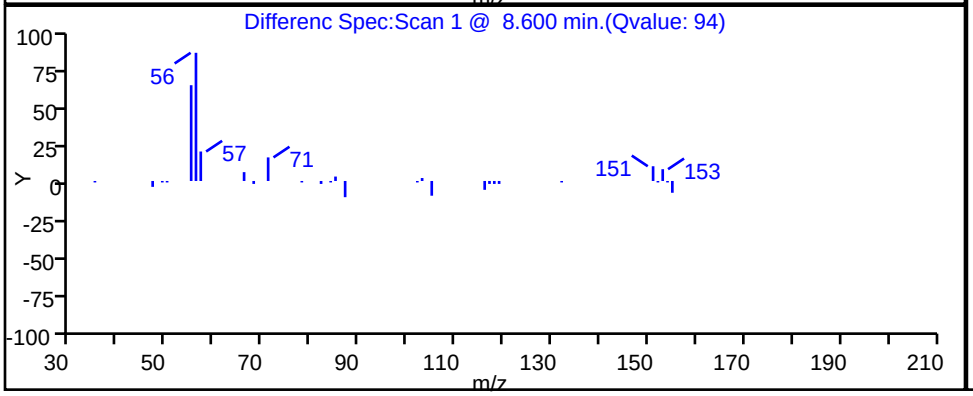






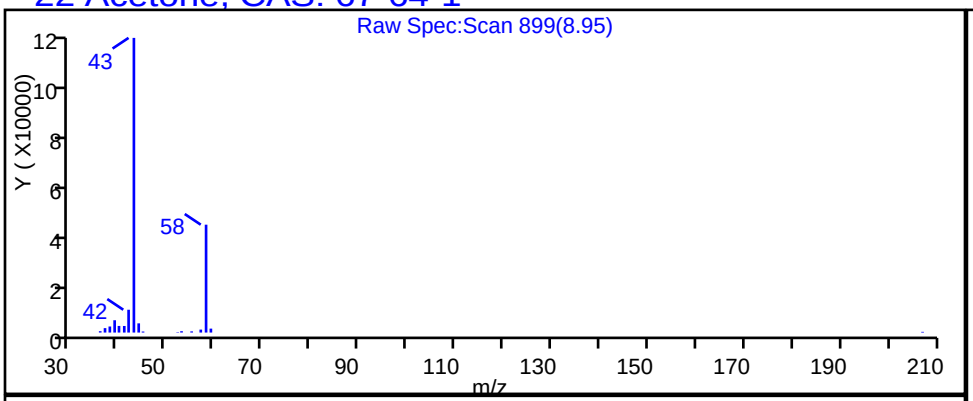


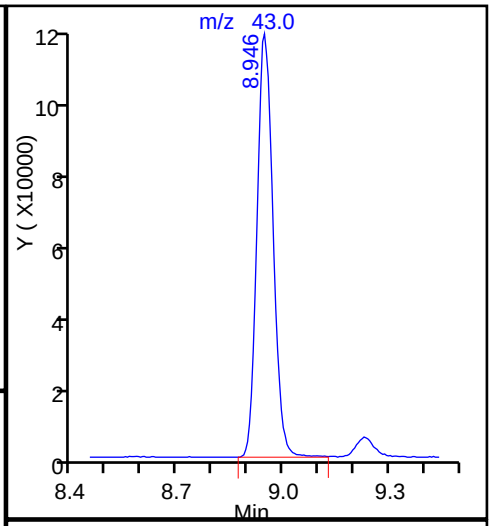


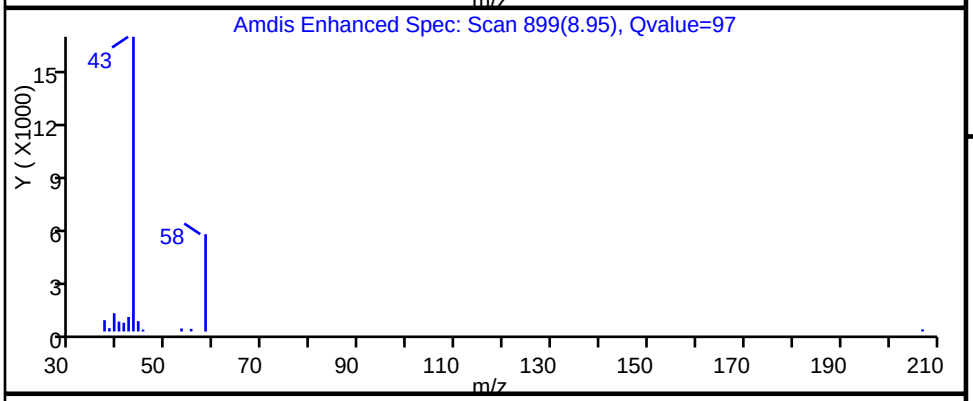


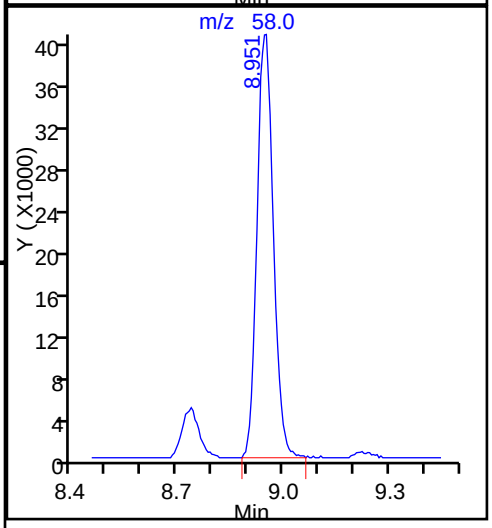
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

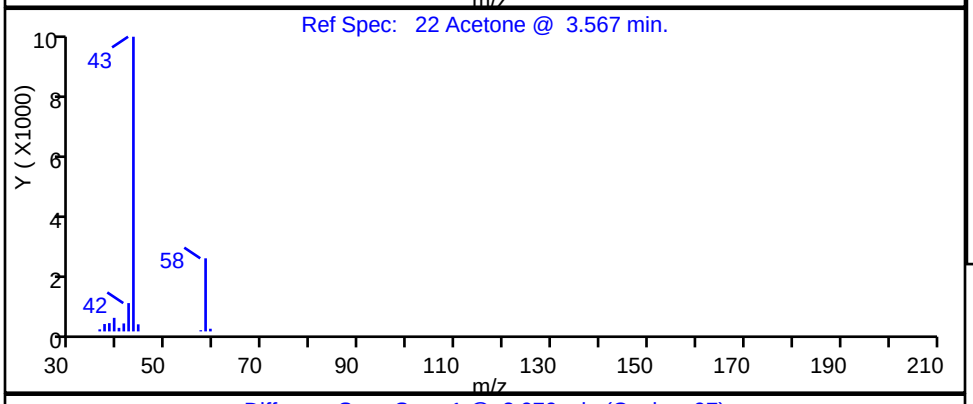
22 Acetone, CAS: 67-64-1

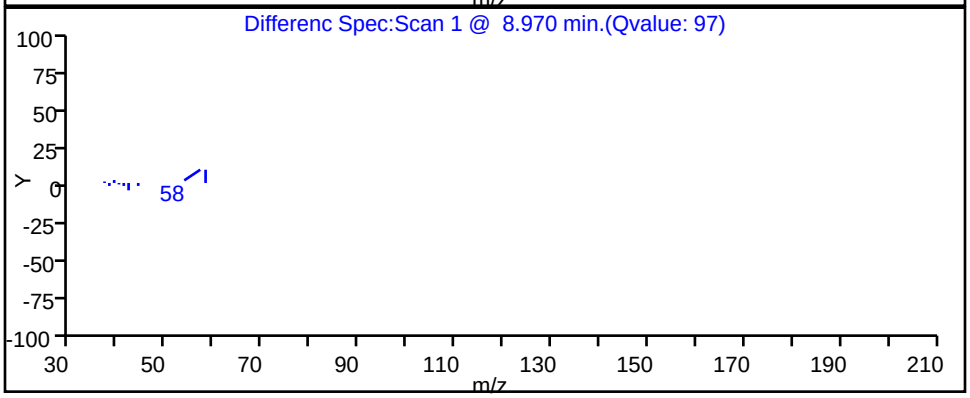








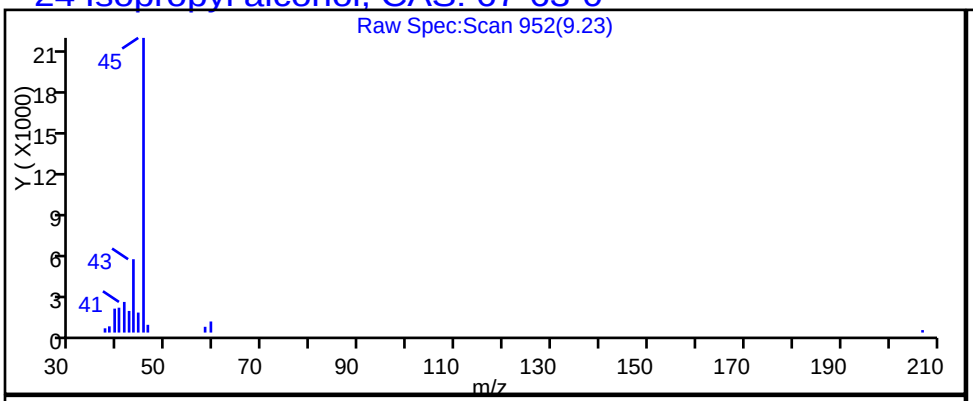


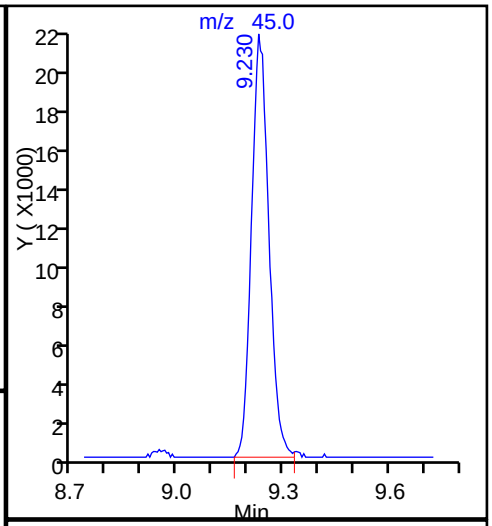


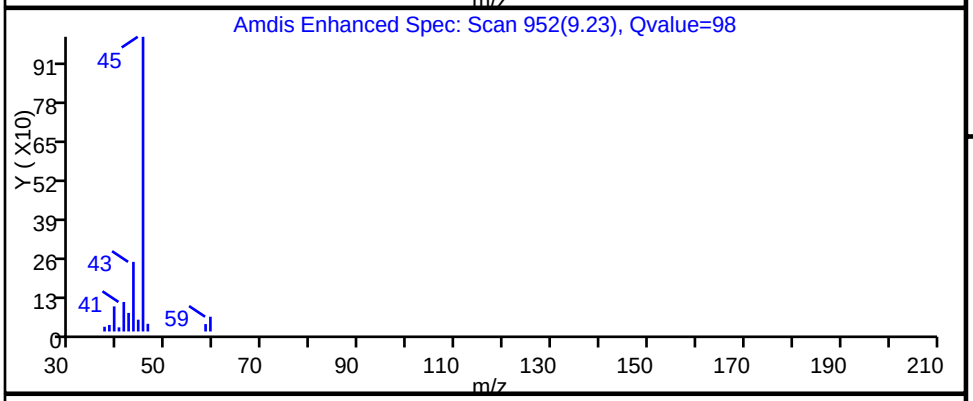
TestAmerica Burlington

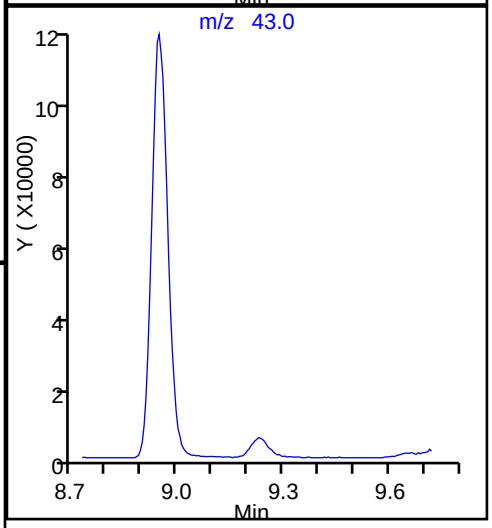
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

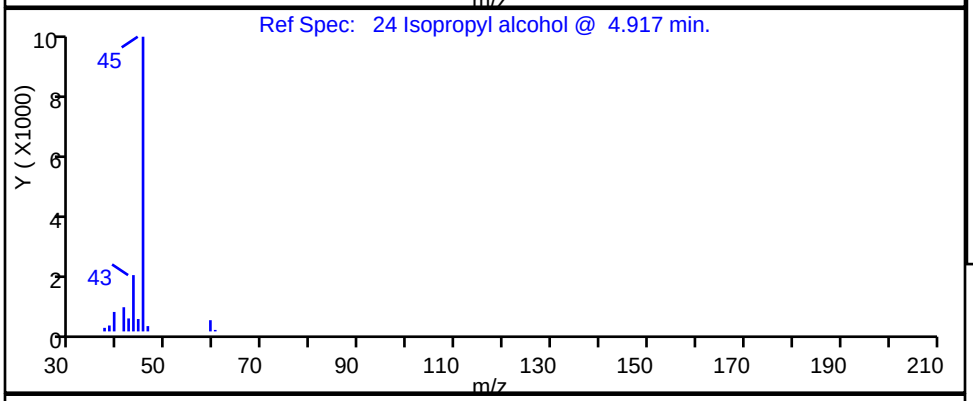
24 Isopropyl alcohol, CAS: 67-63-0

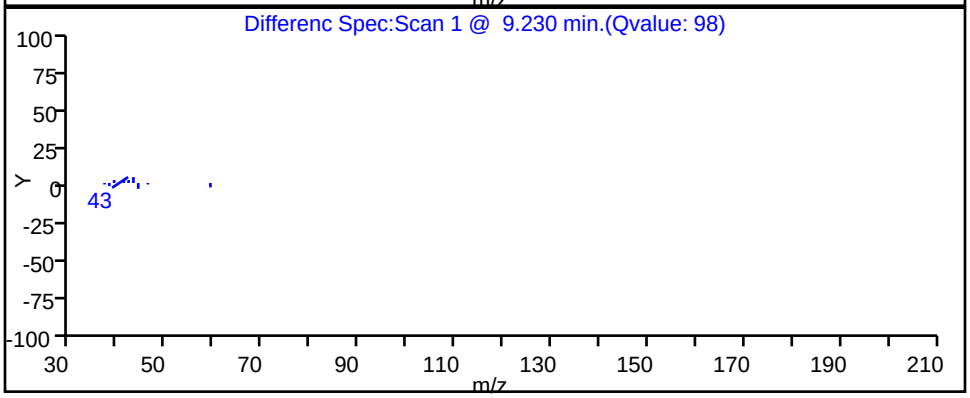






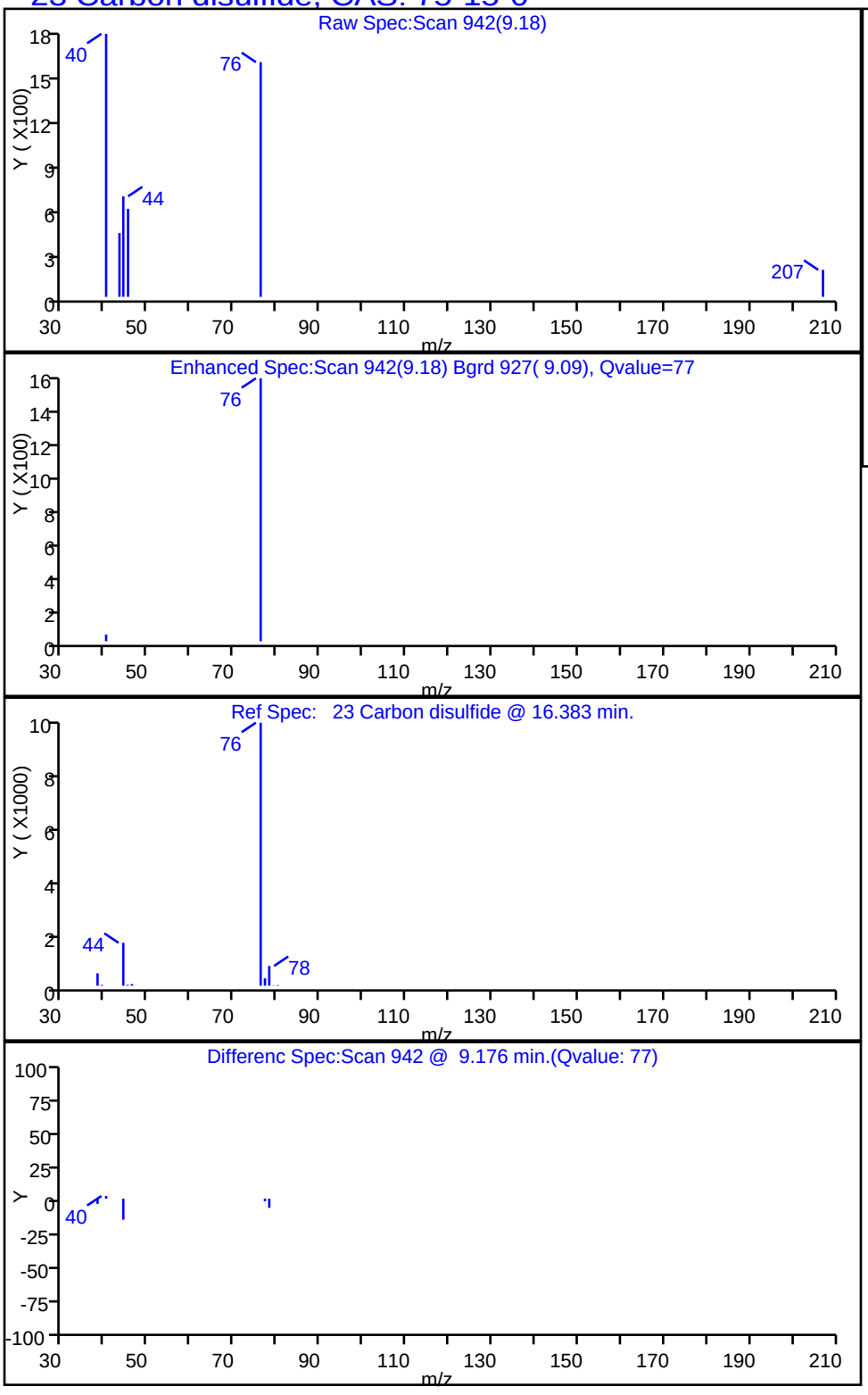


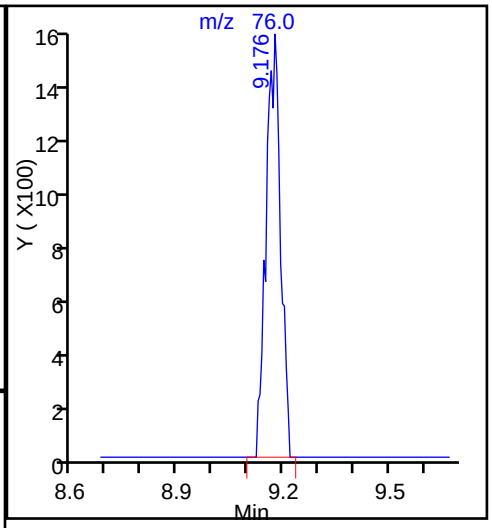




Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

23 Carbon disulfide, CAS: 75-15-0

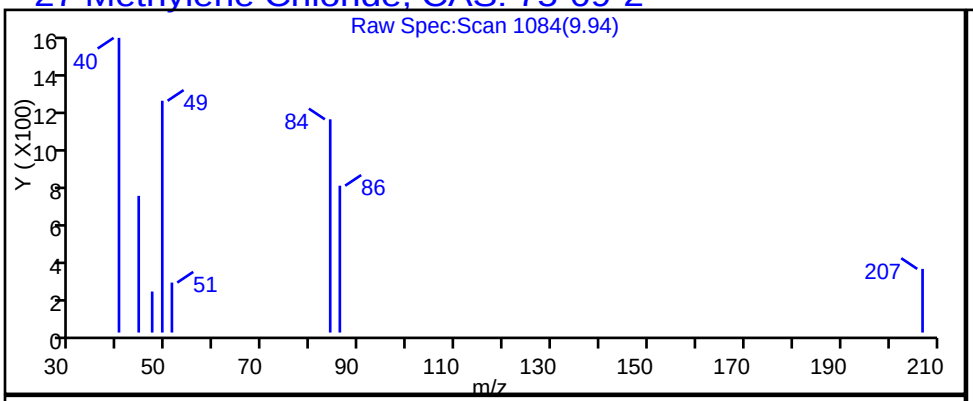


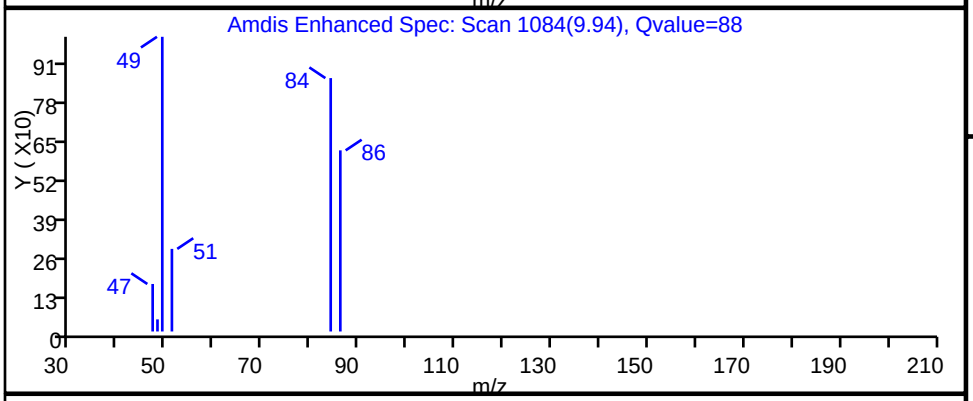


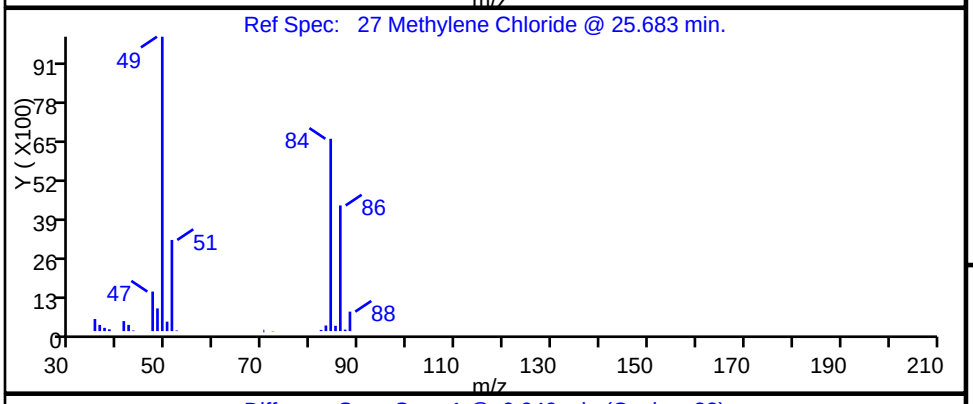
TestAmerica Burlington

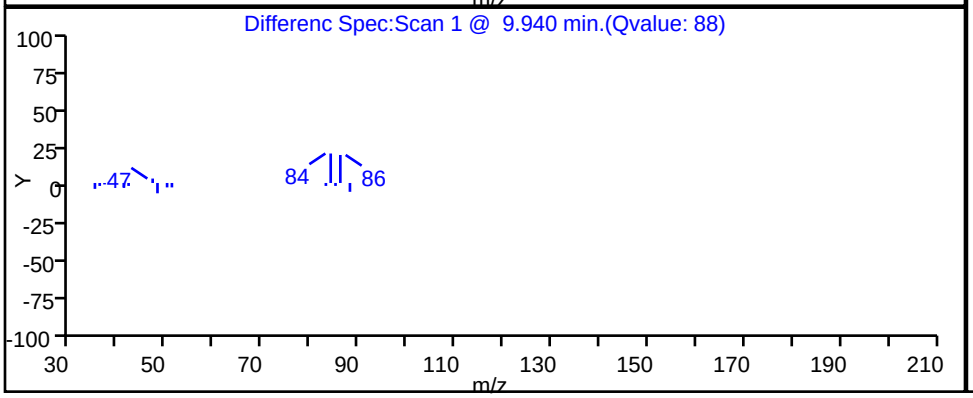
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

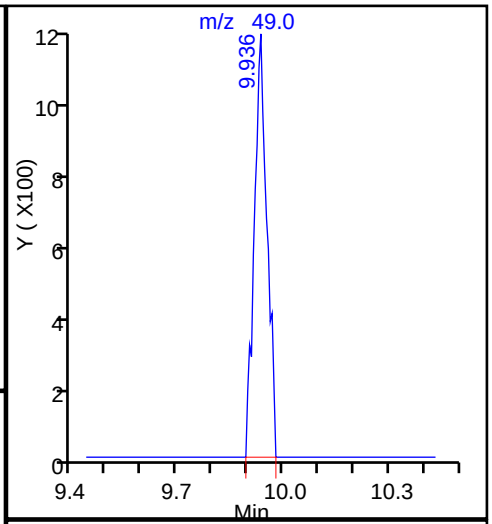
27 Methylene Chloride, CAS: 75-09-2

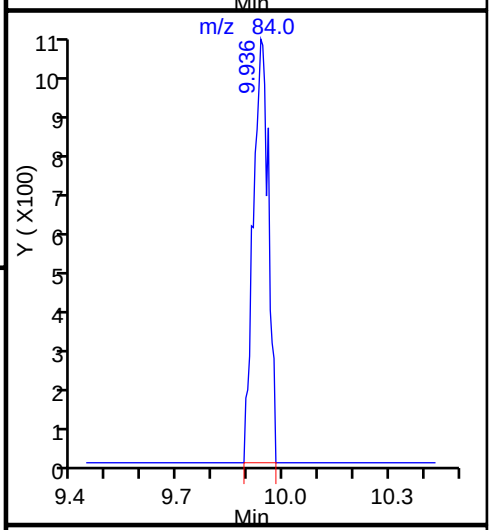


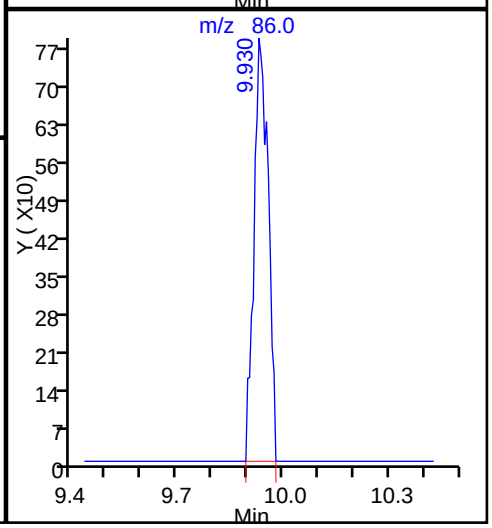






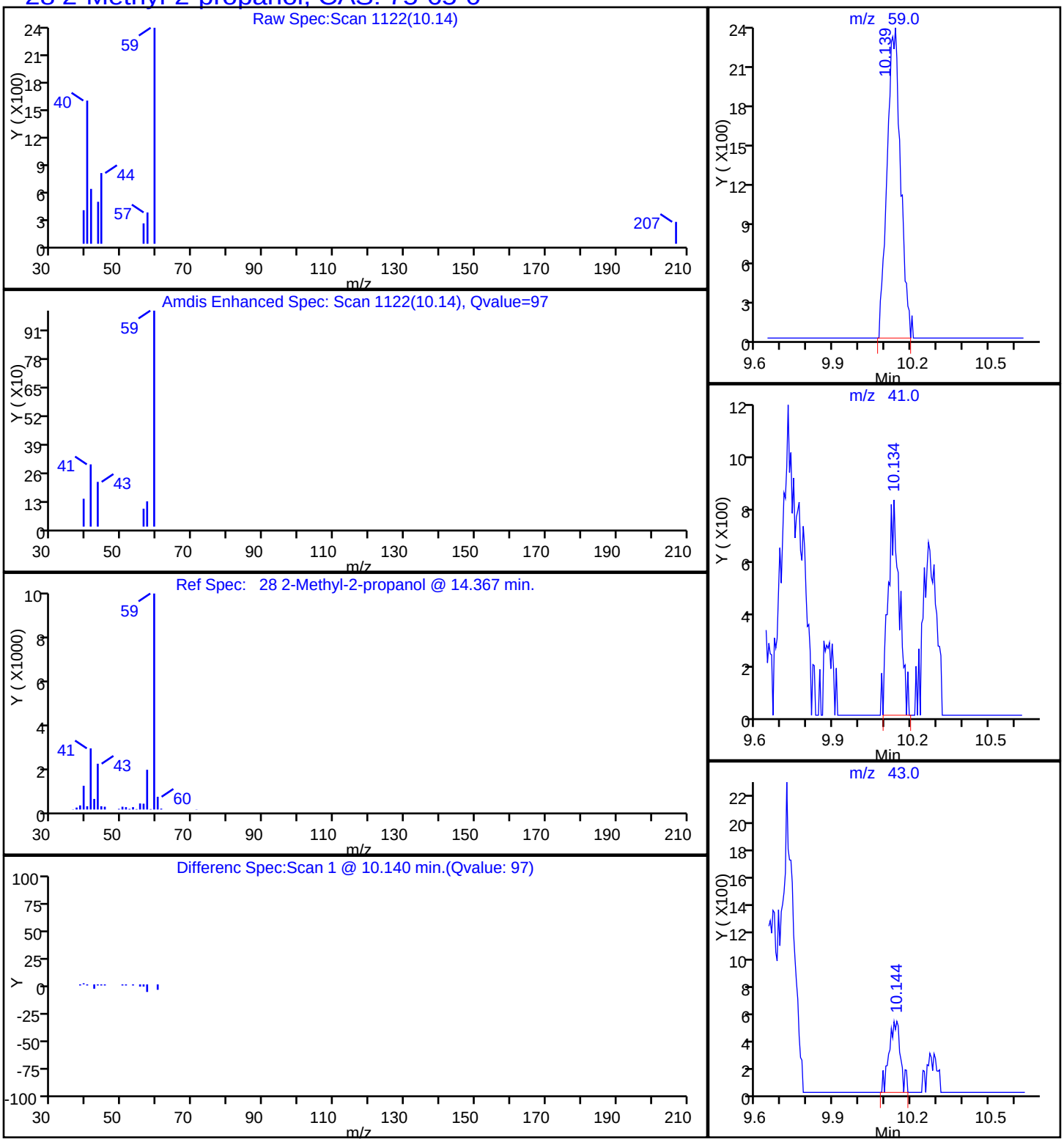






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

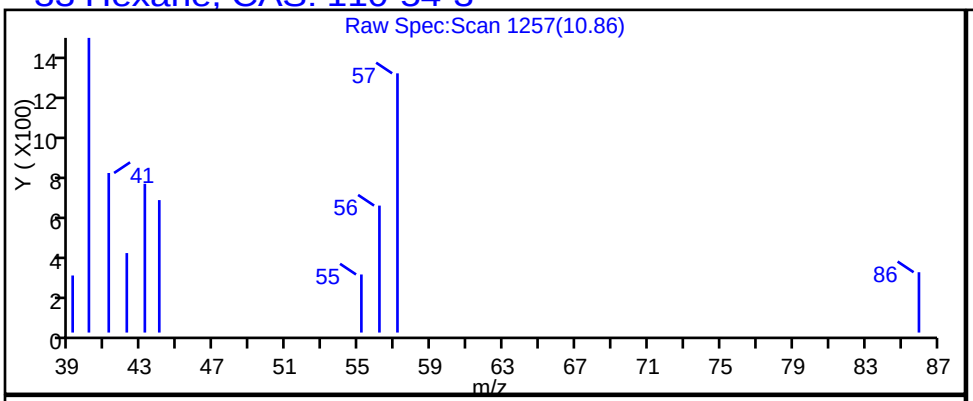
28 2-Methyl-2-propanol, CAS: 75-65-0

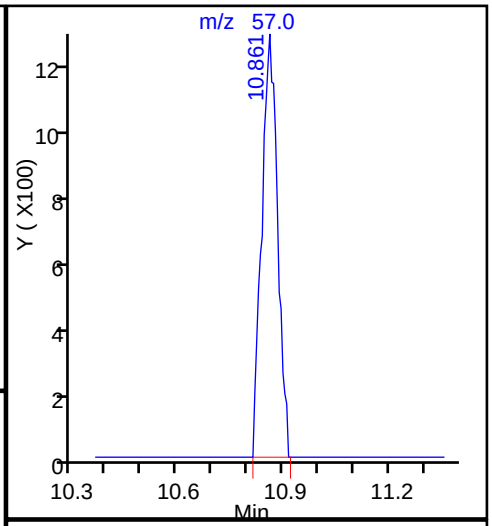


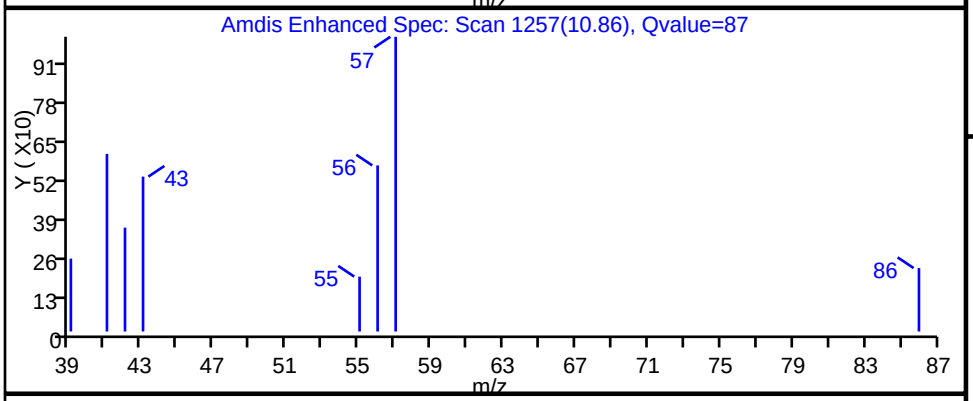
TestAmerica Burlington

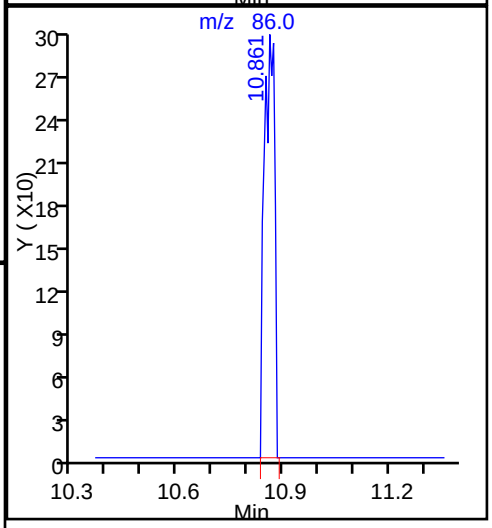
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

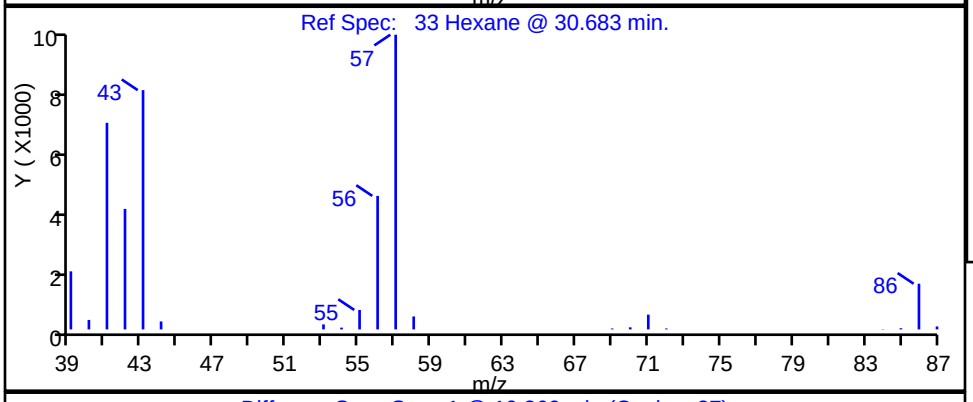
33 Hexane, CAS: 110-54-3

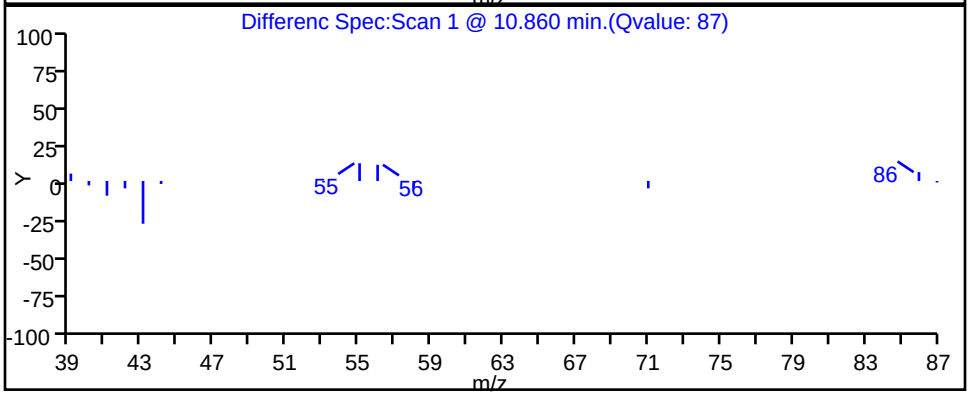








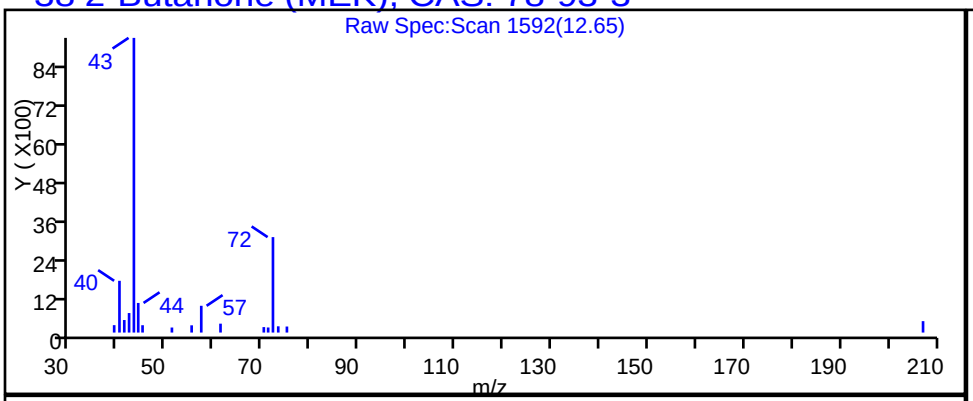


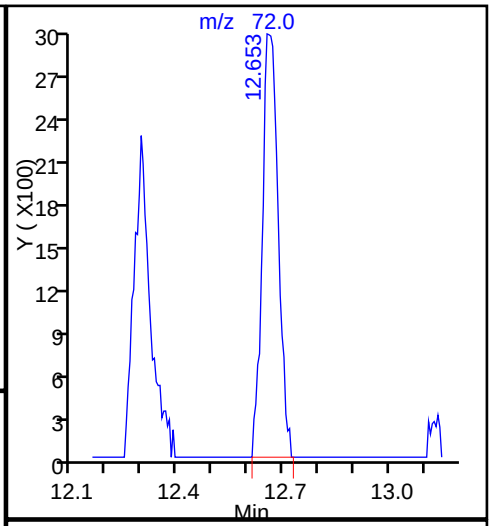


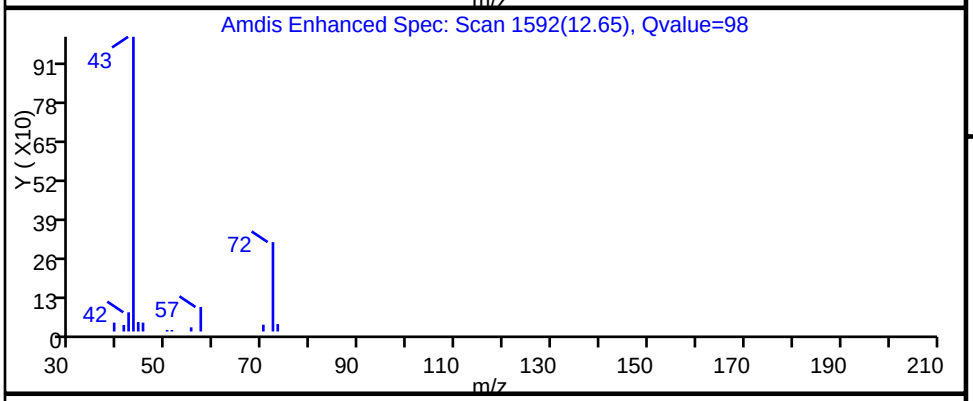
TestAmerica Burlington

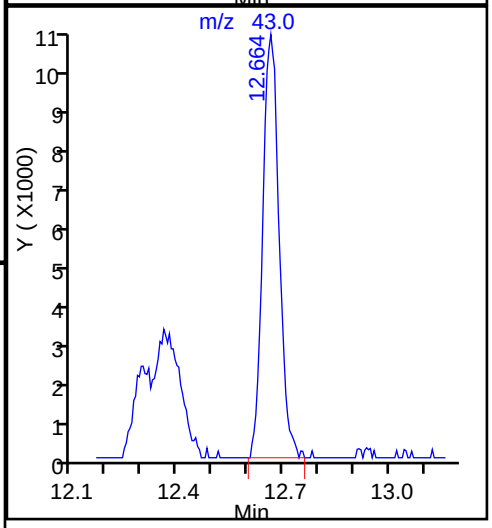
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

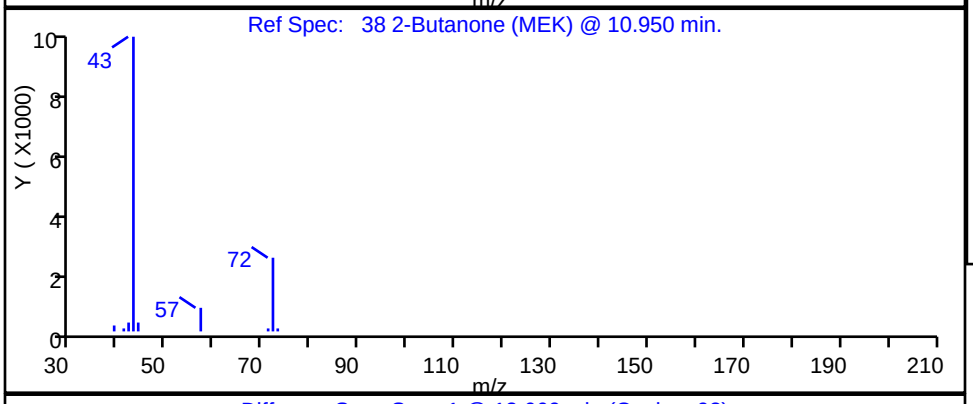
38 2-Butanone (MEK), CAS: 78-93-3

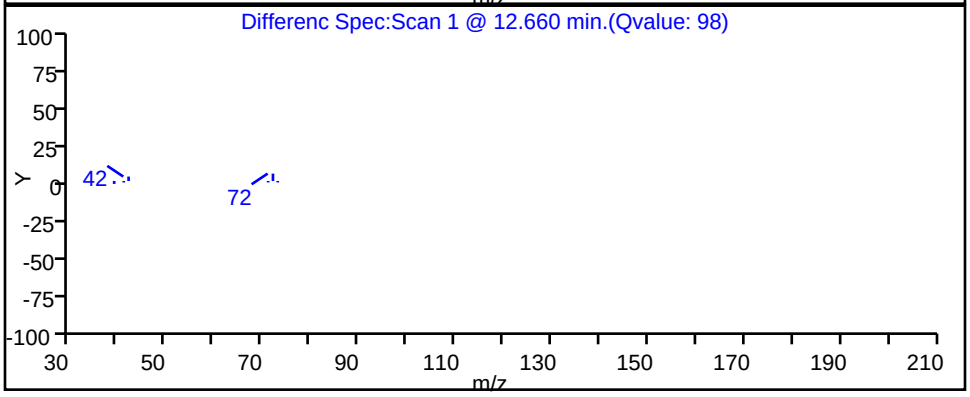






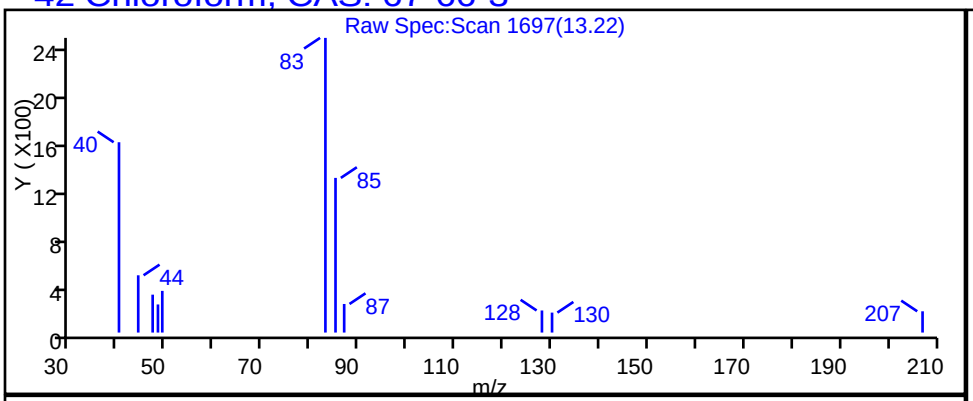


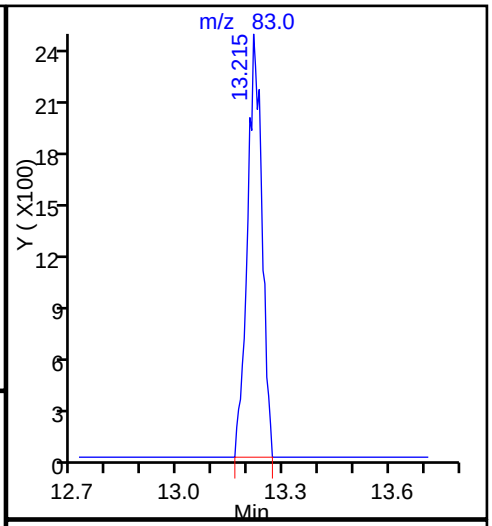


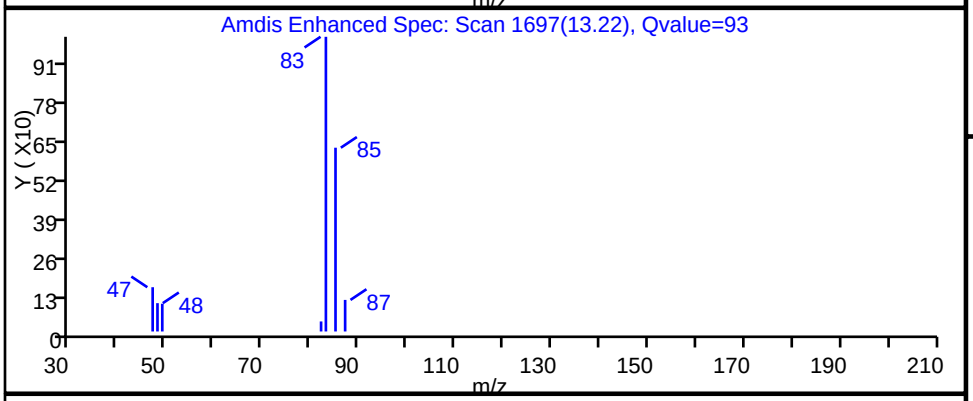


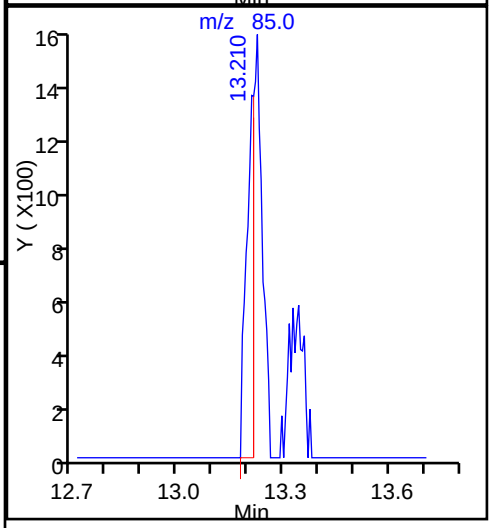
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

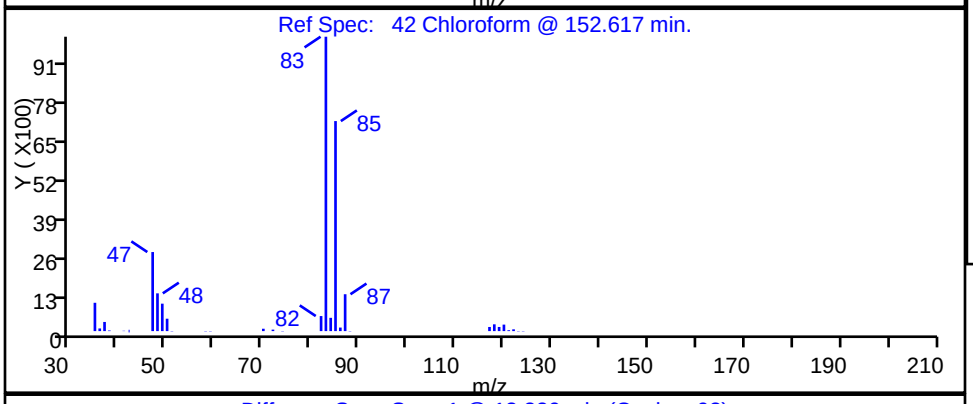
42 Chloroform, CAS: 67-66-3

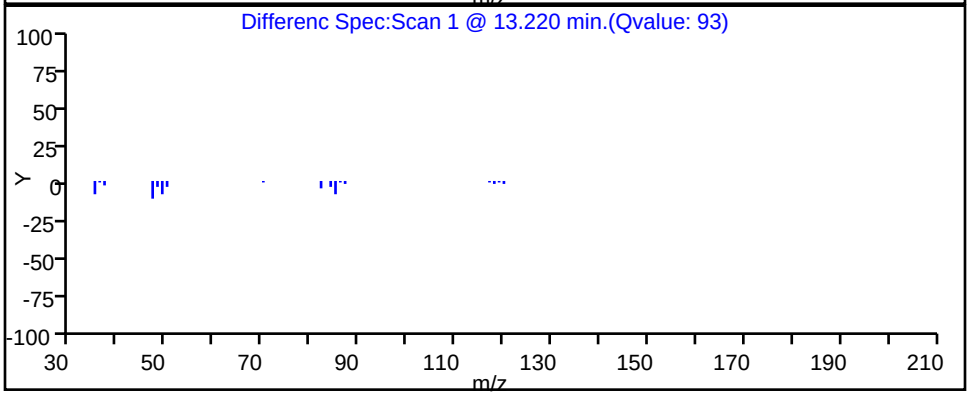








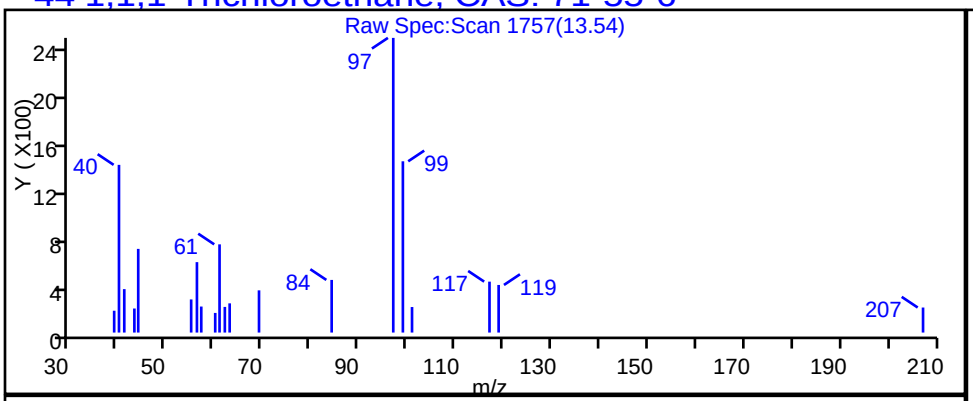


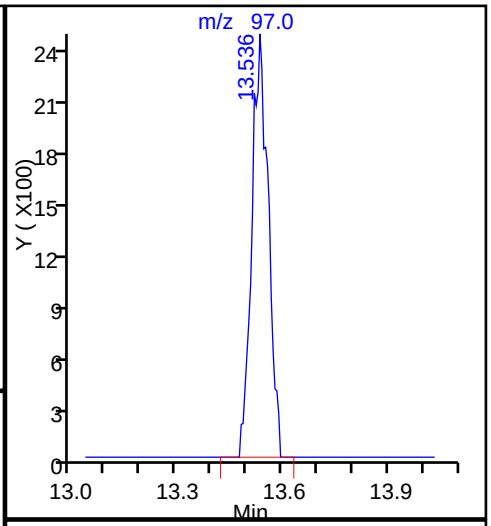


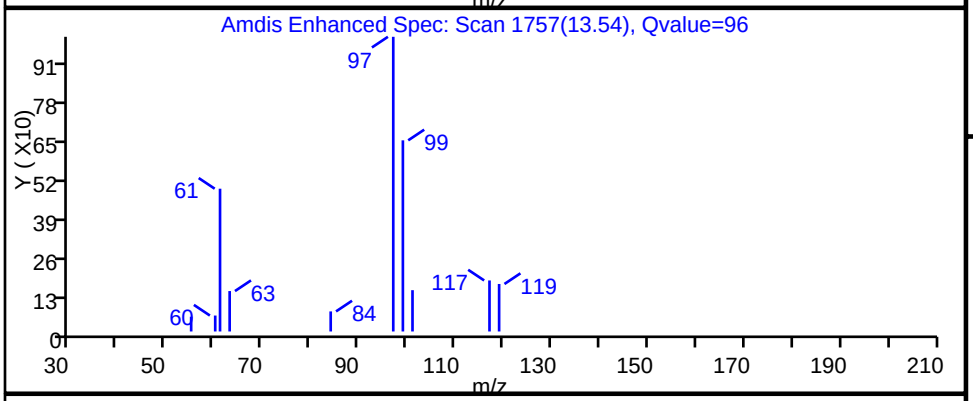
TestAmerica Burlington

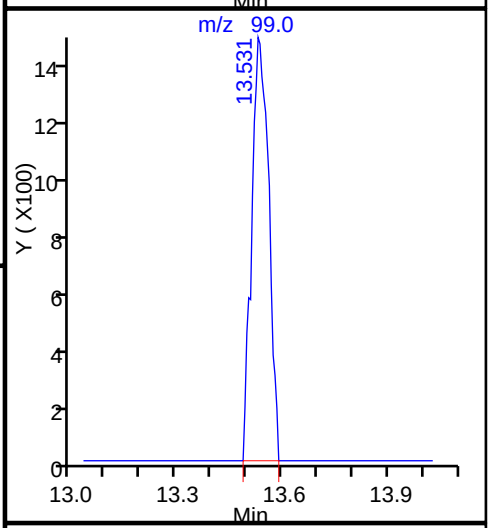
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

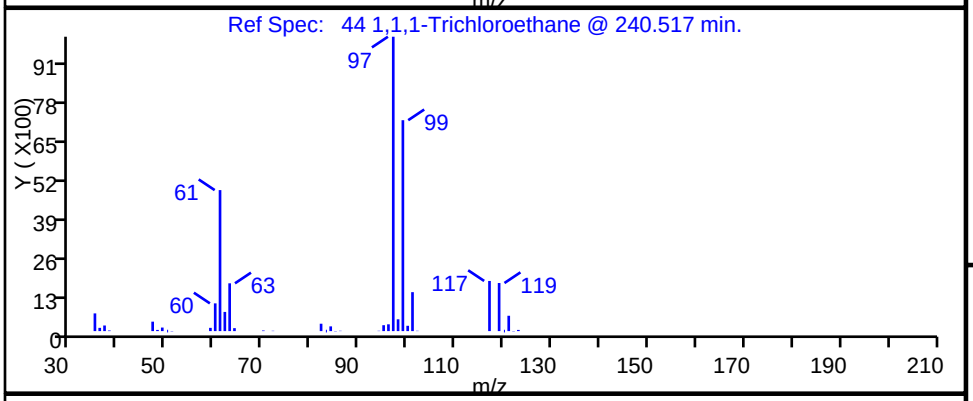
44 1,1,1-Trichloroethane, CAS: 71-55-6

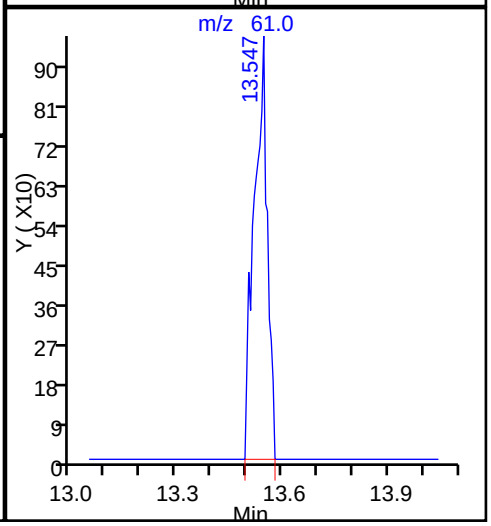


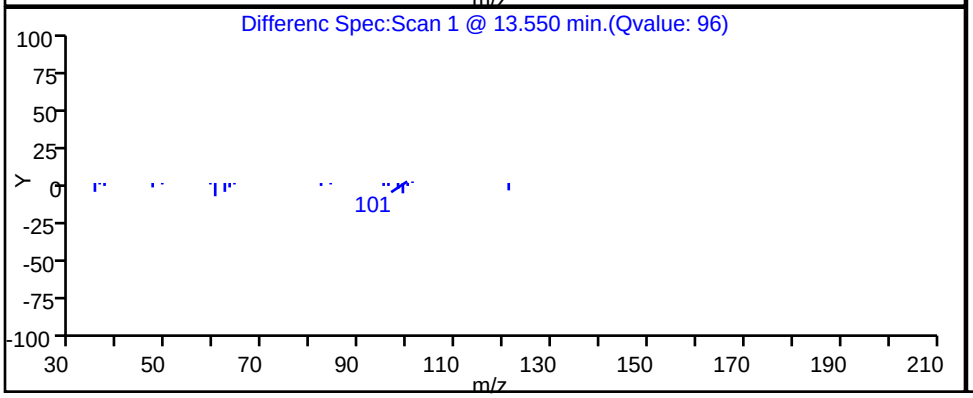








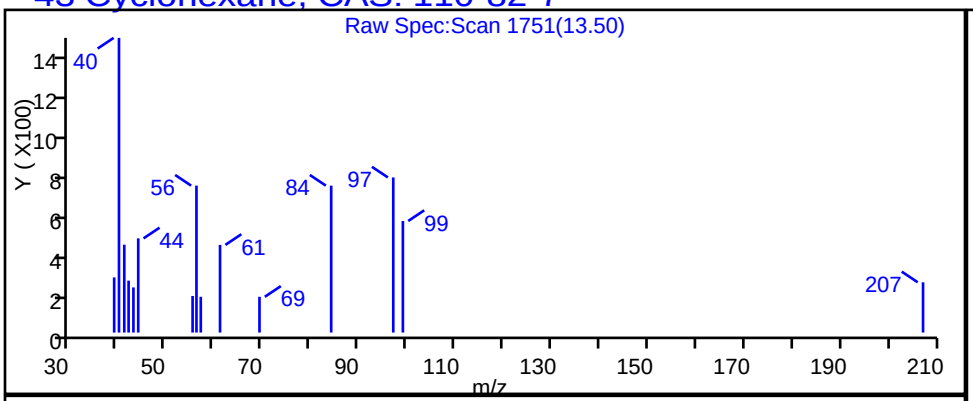


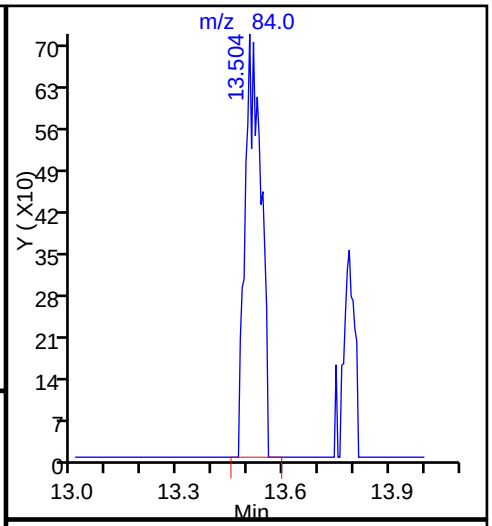


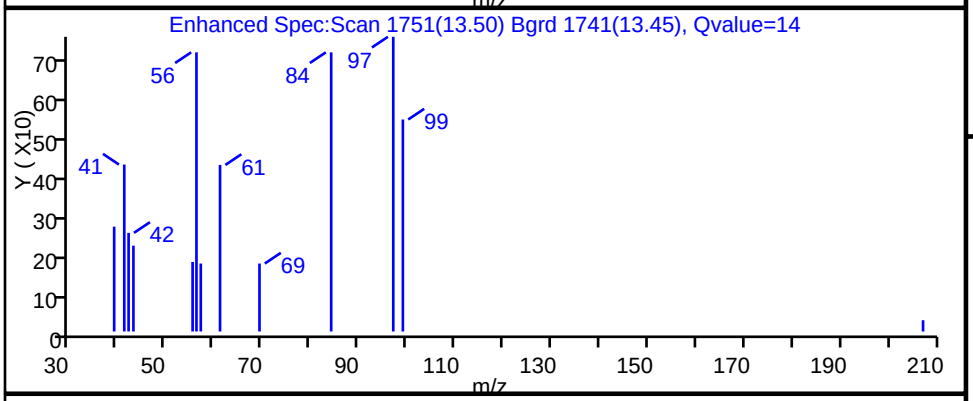
TestAmerica Burlington

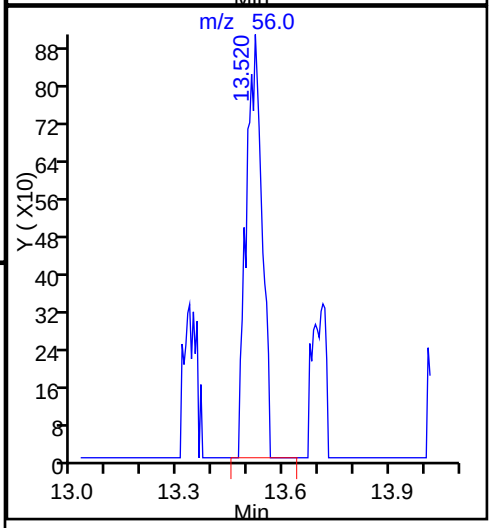
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

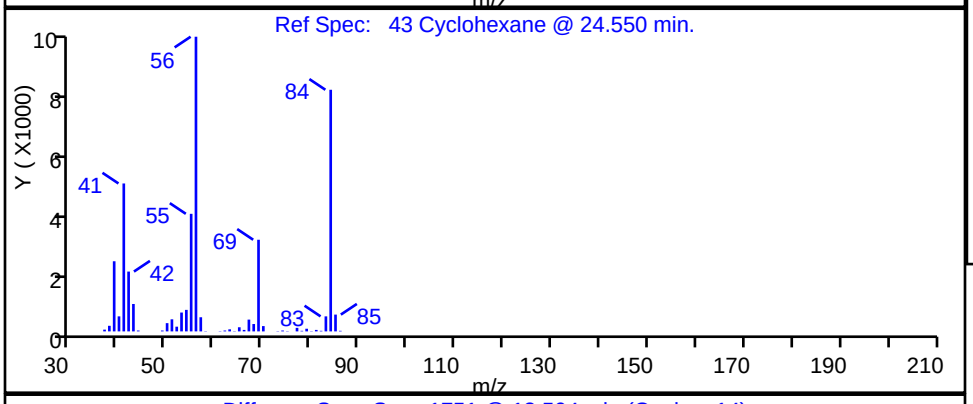
43 Cyclohexane, CAS: 110-82-7

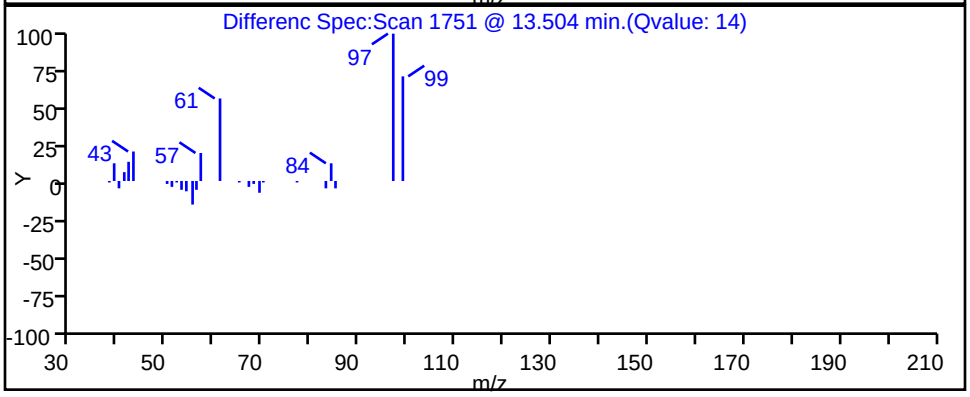








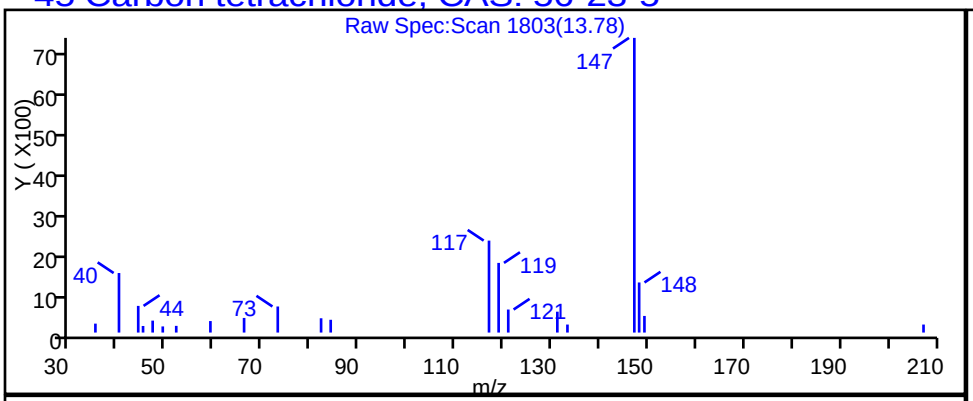


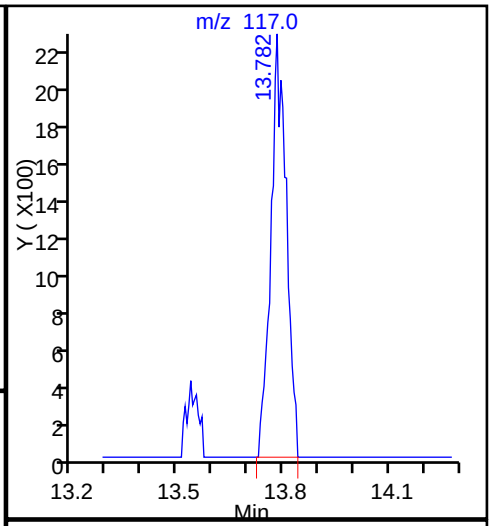


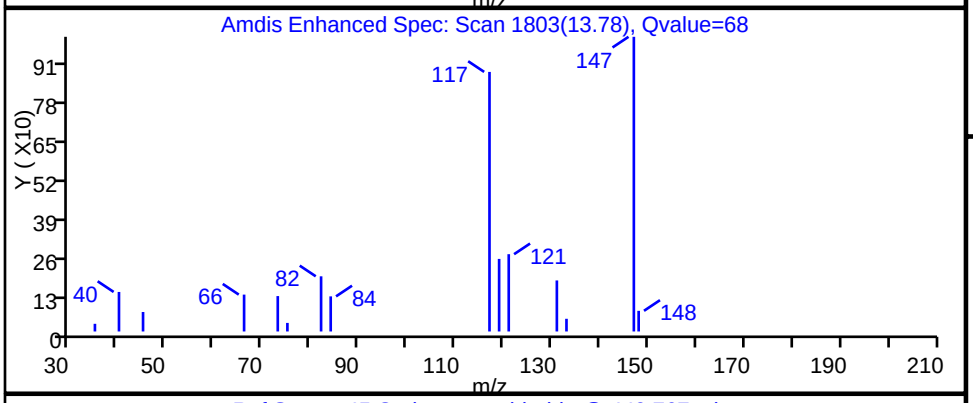
TestAmerica Burlington

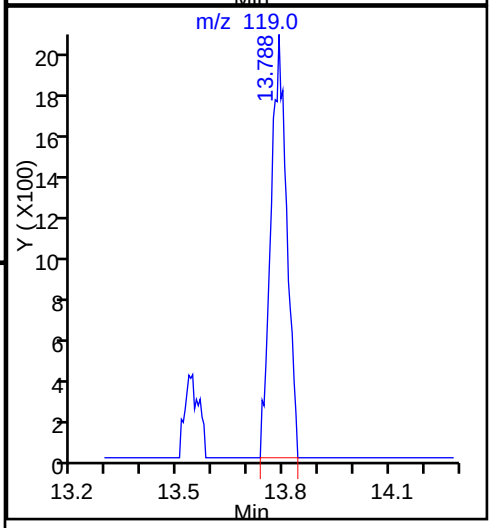
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

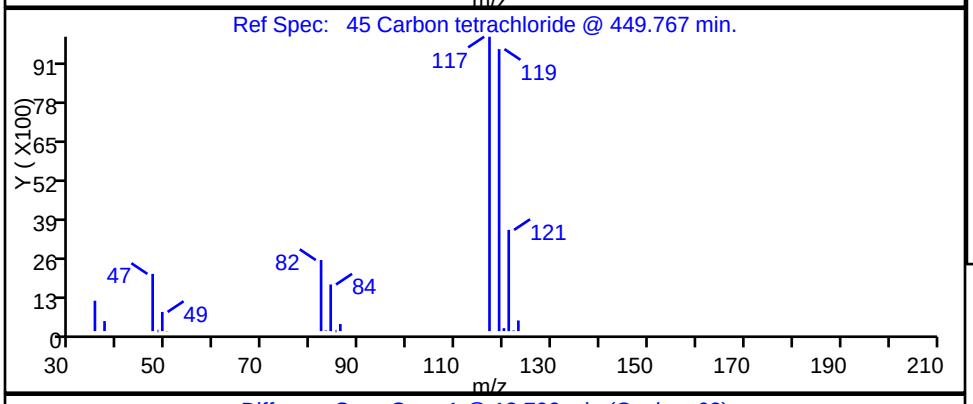
45 Carbon tetrachloride, CAS: 56-23-5

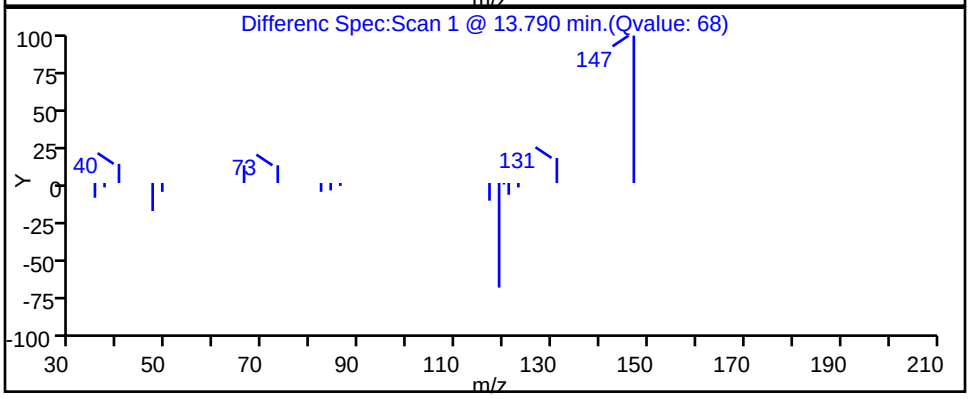






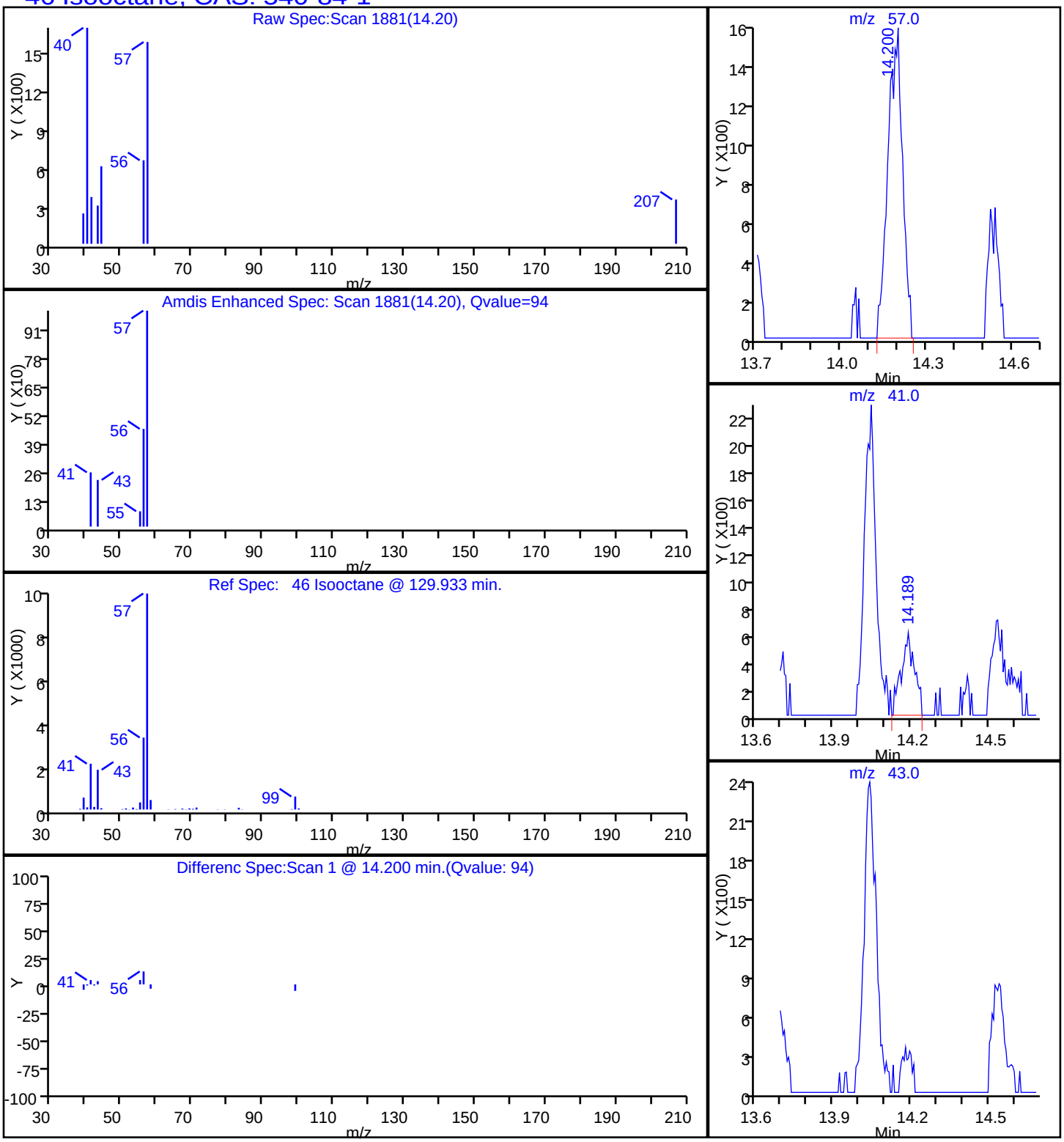






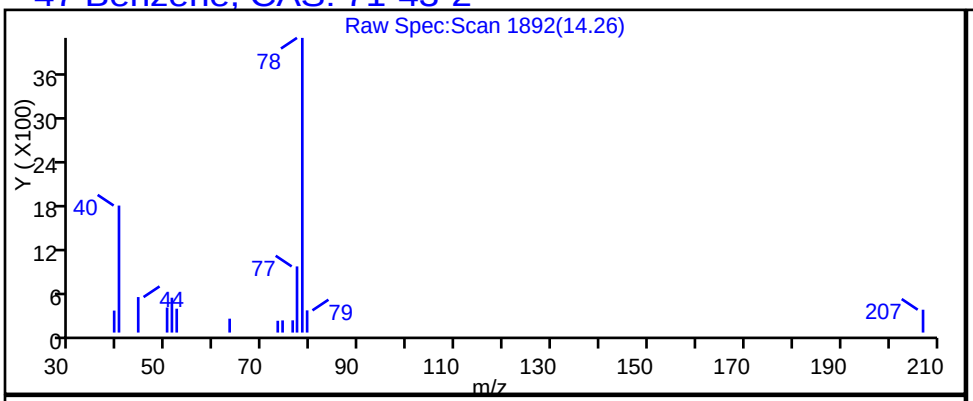
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

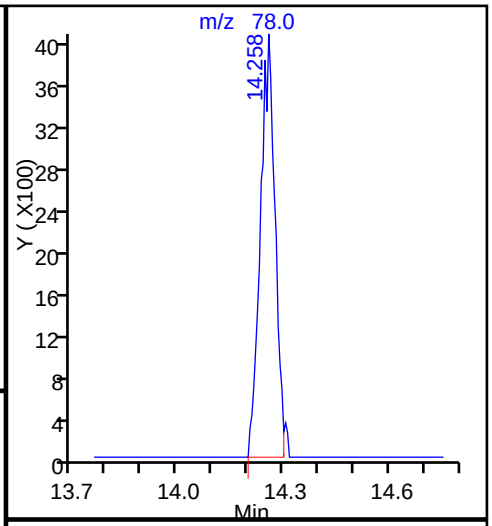
46 Isooctane, CAS: 540-84-1

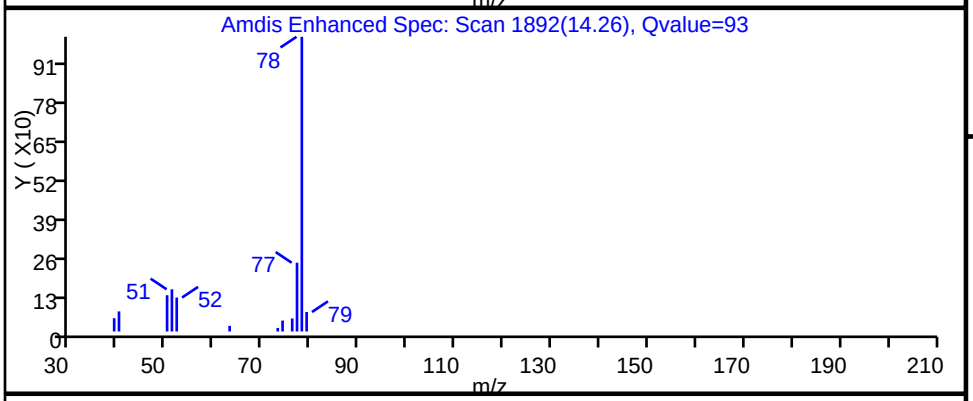


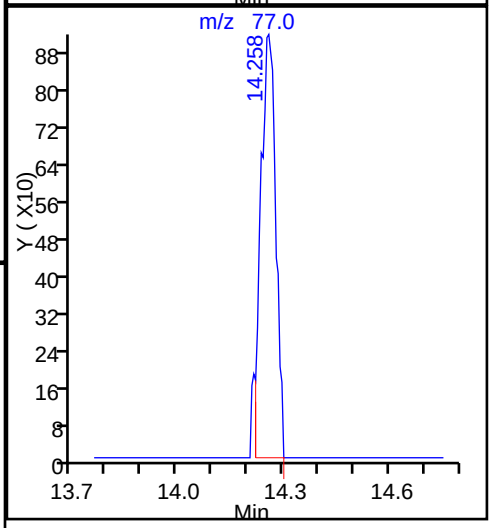
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

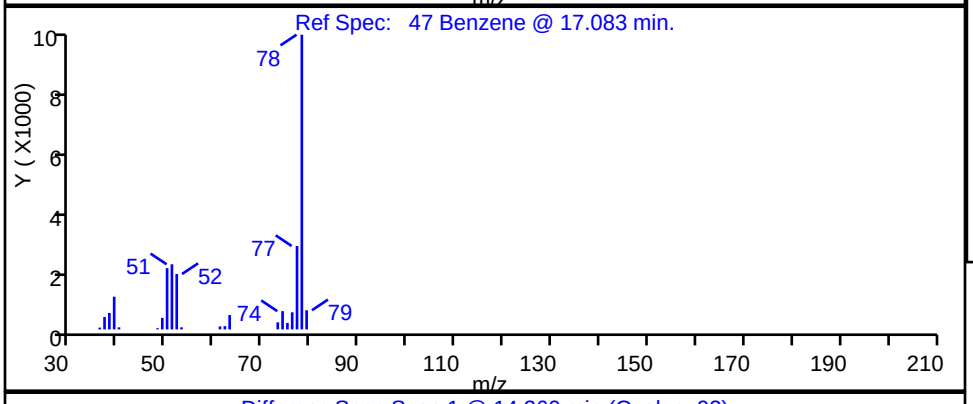
47 Benzene, CAS: 71-43-2

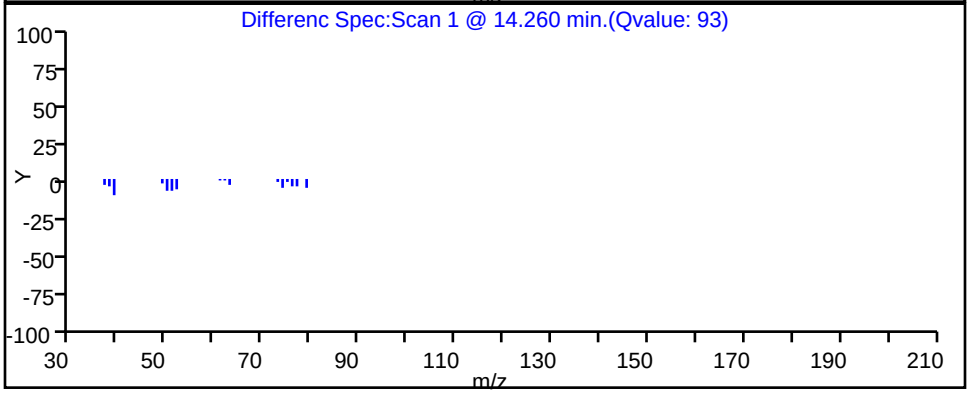






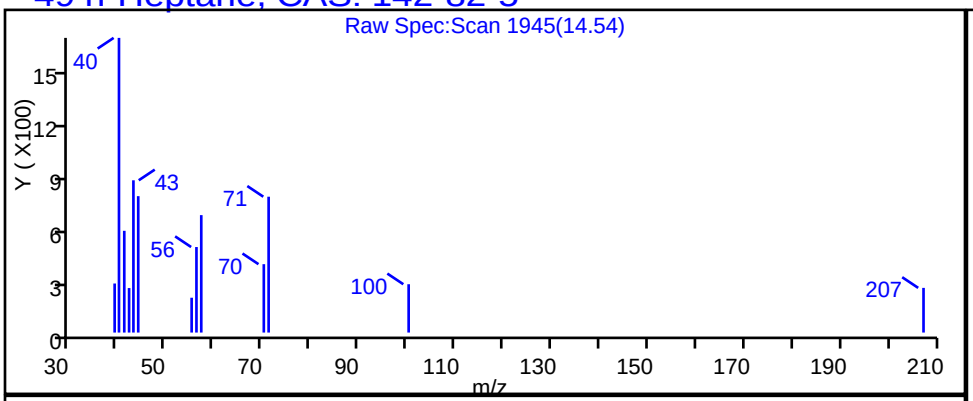


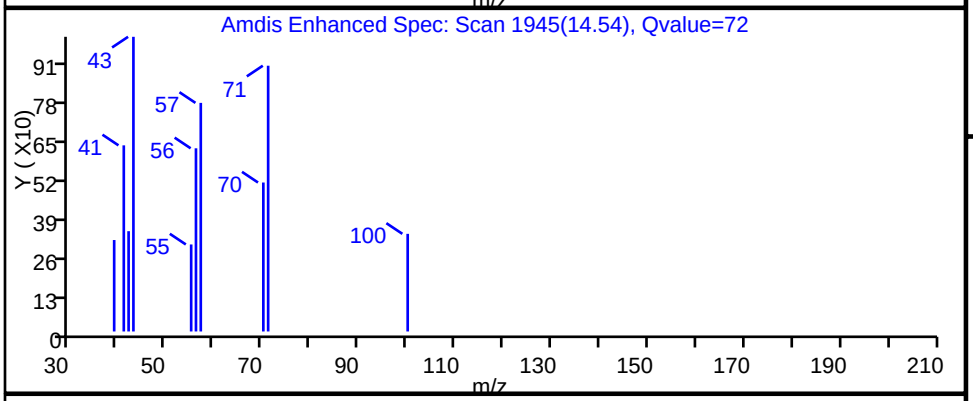


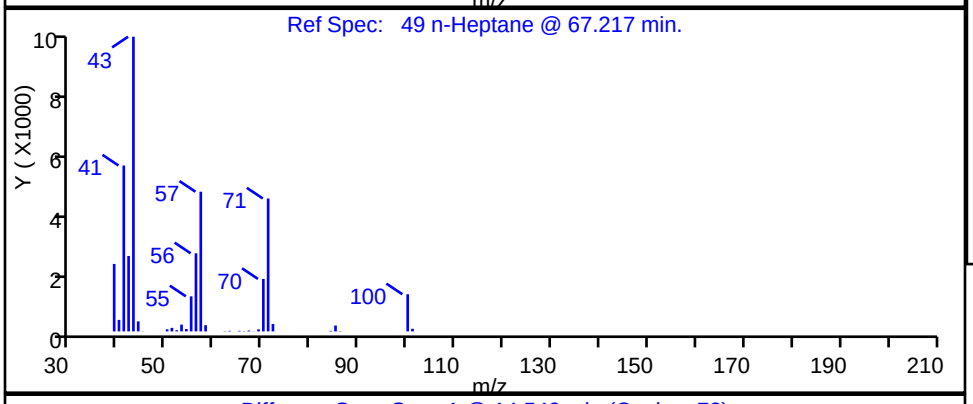


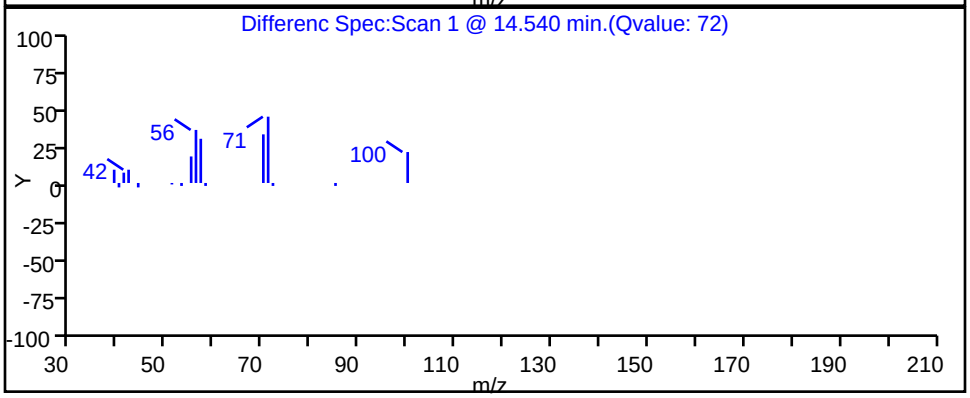
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

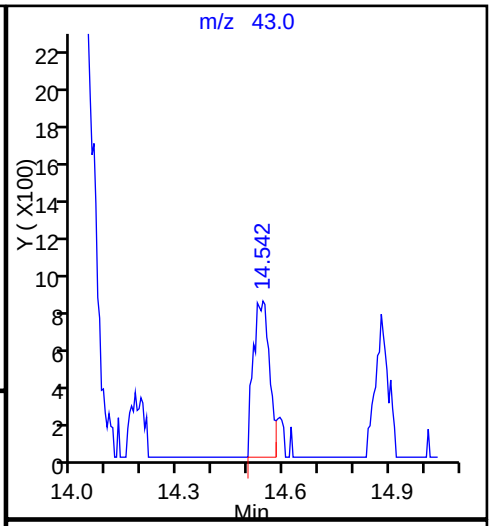
49 n-Heptane, CAS: 142-82-5

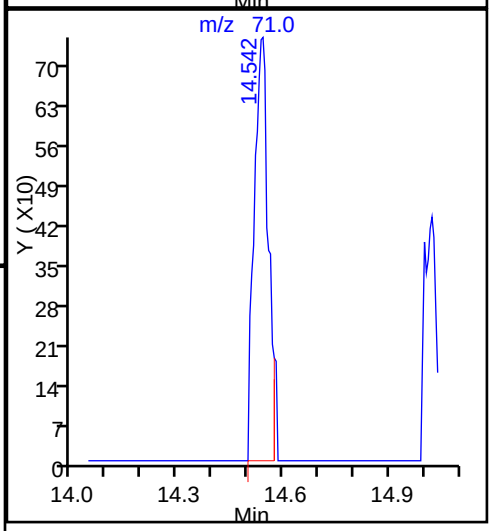






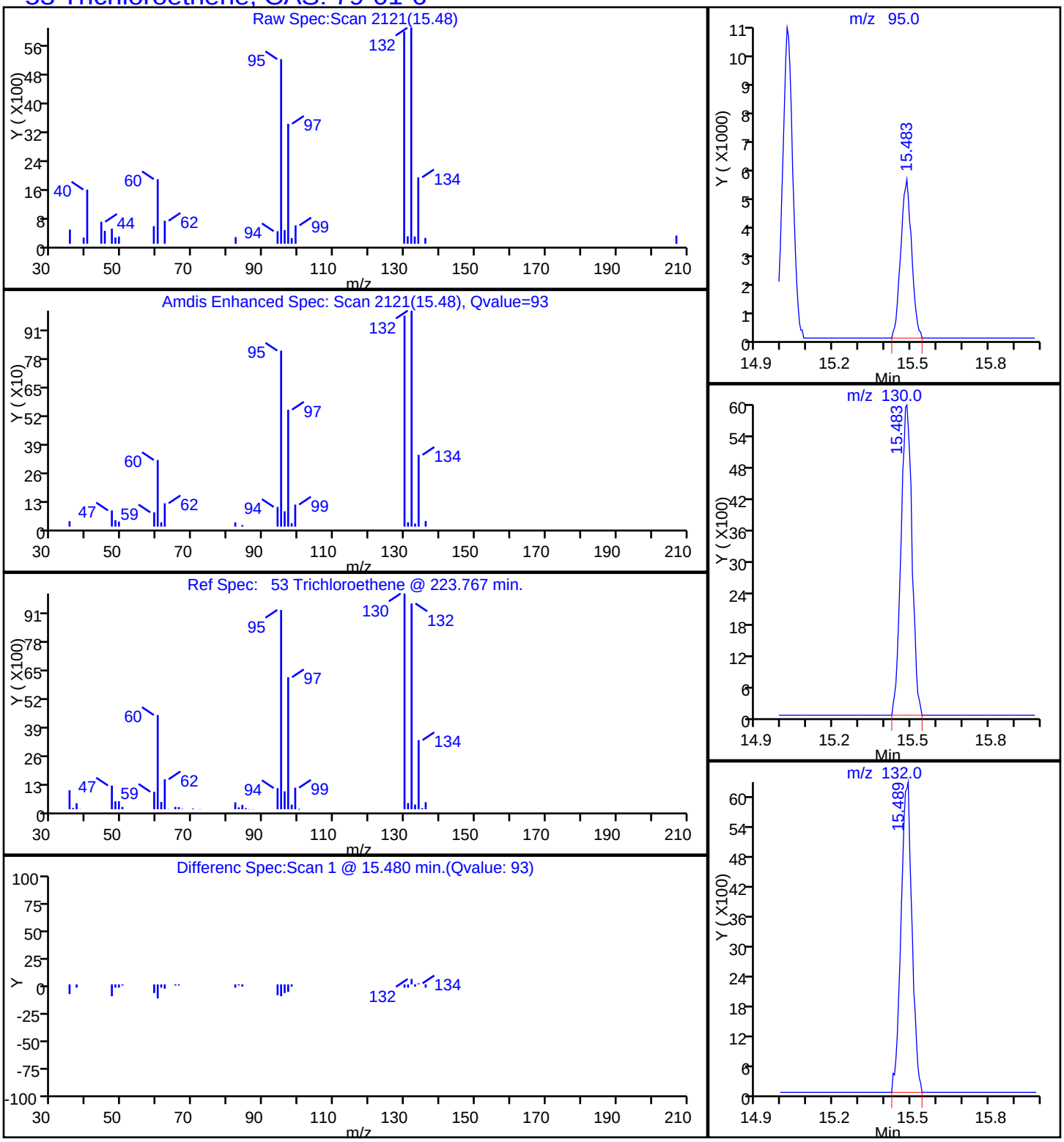






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

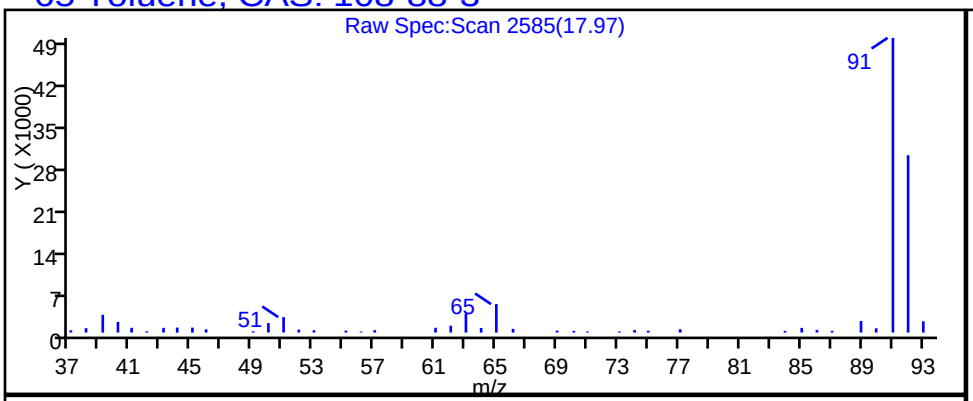
53 Trichloroethene, CAS: 79-01-6

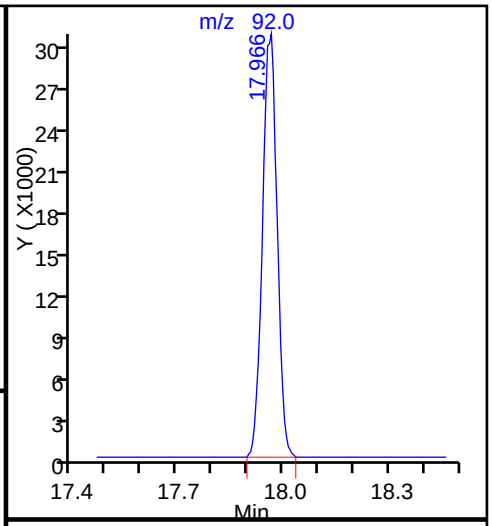


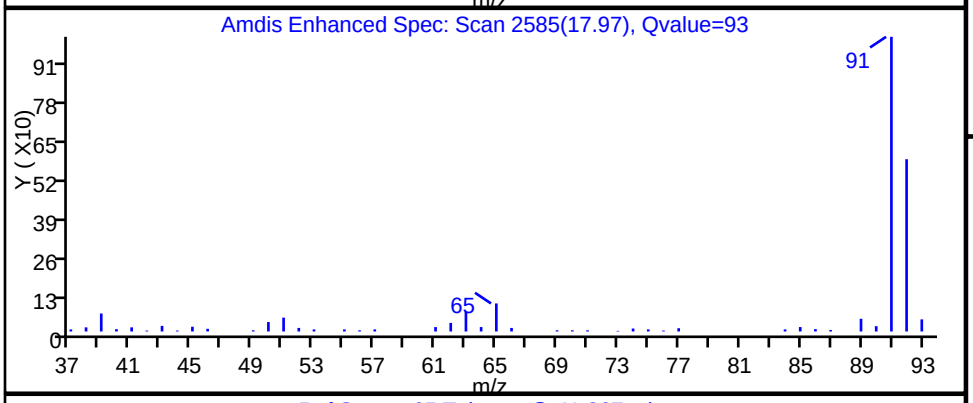
TestAmerica Burlington

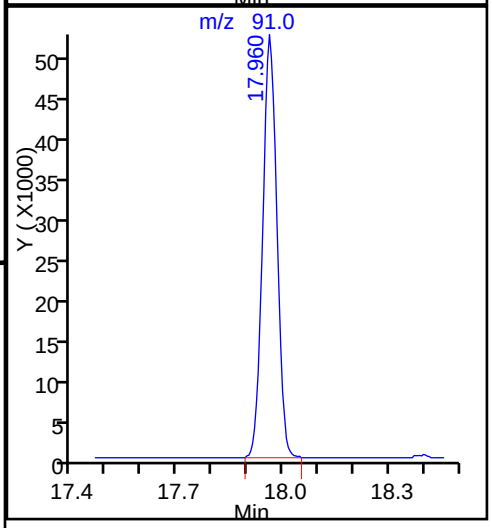
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

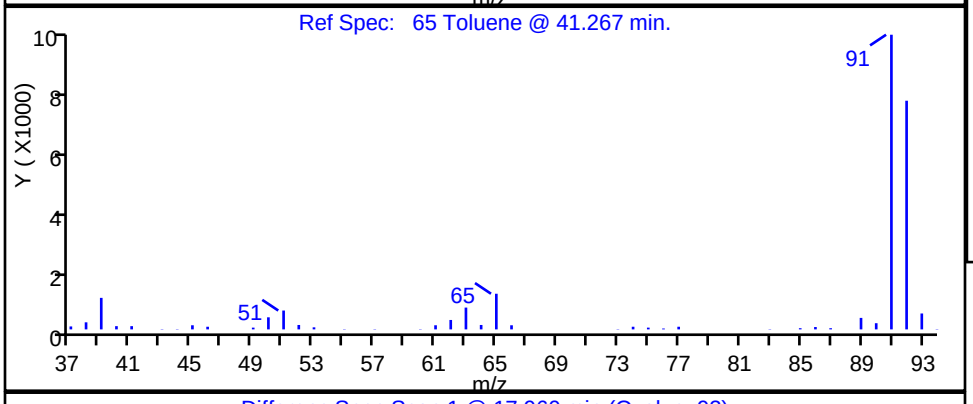
65 Toluene, CAS: 108-88-3

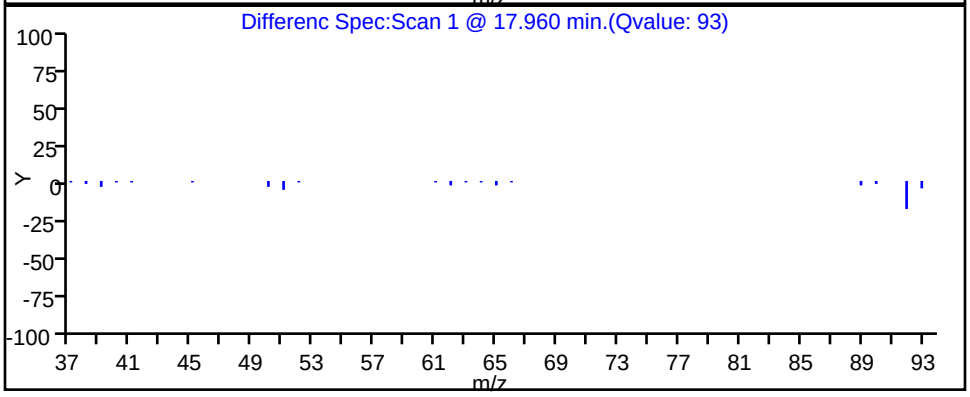








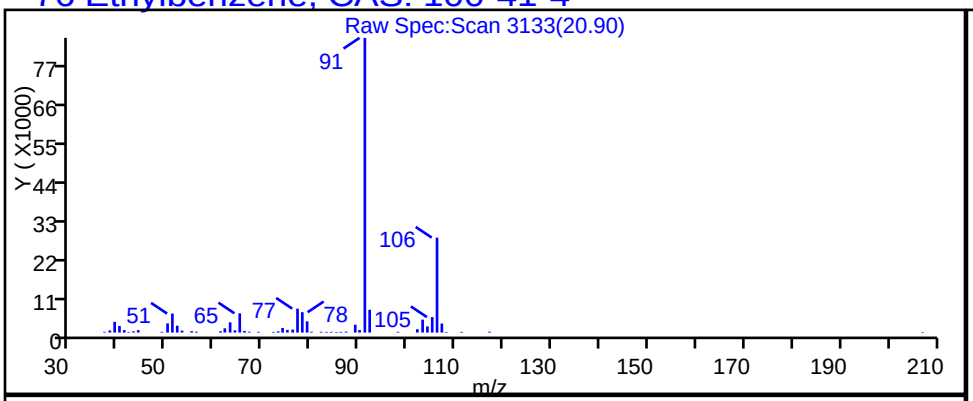


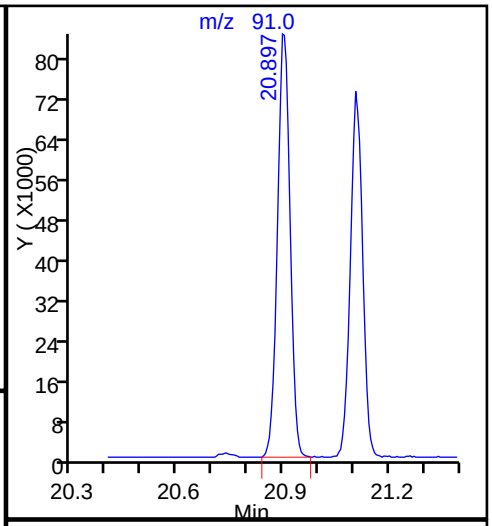


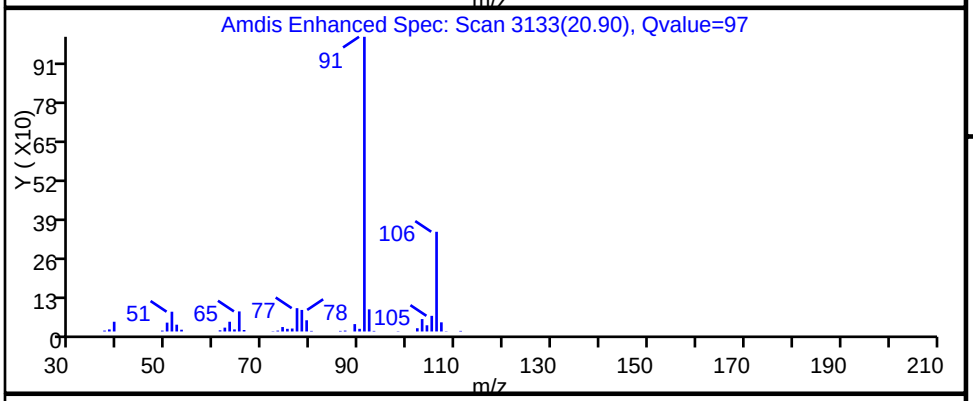
TestAmerica Burlington

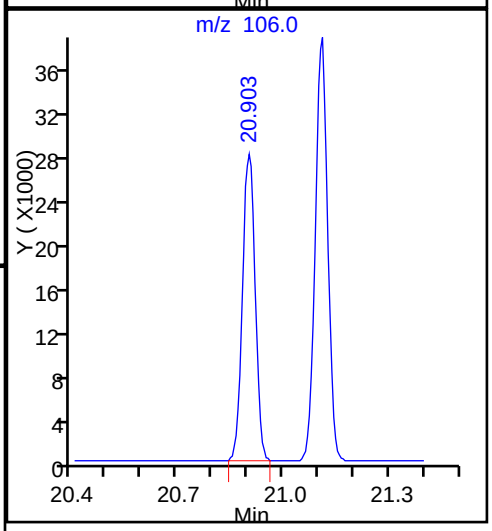
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

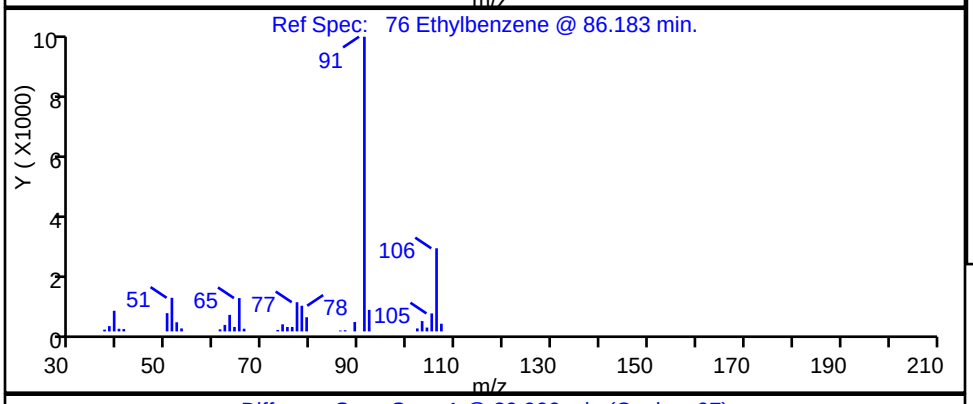
76 Ethylbenzene, CAS: 100-41-4

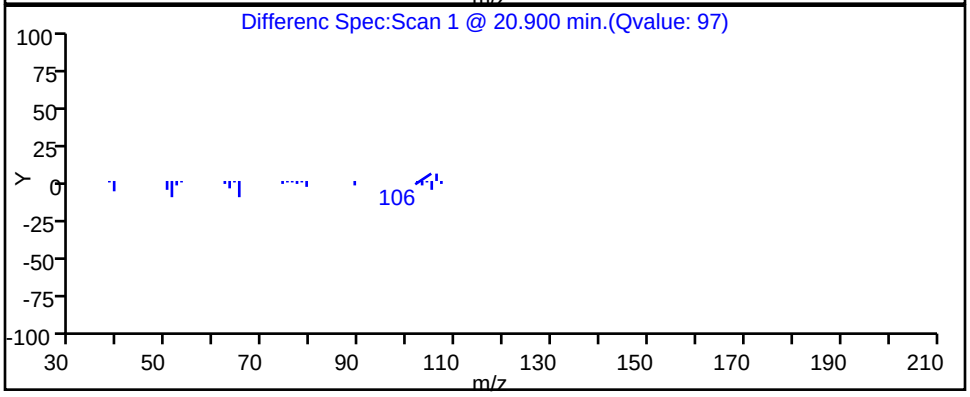








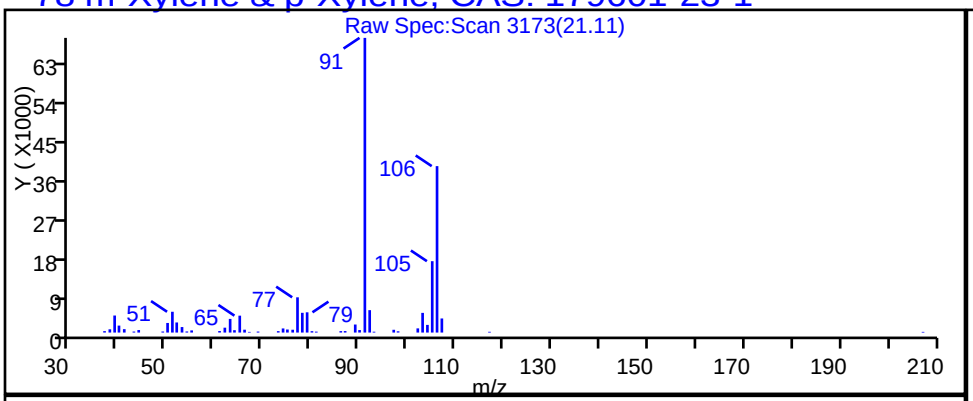


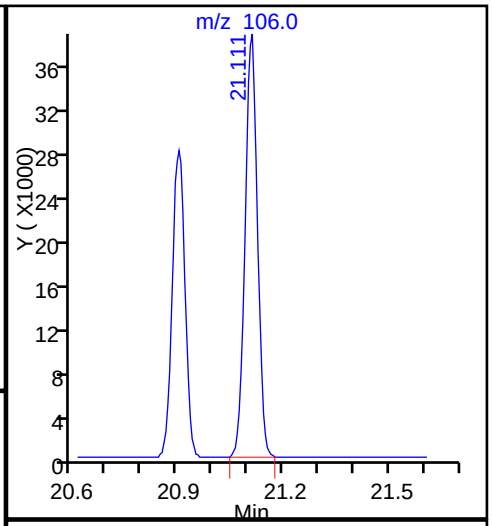


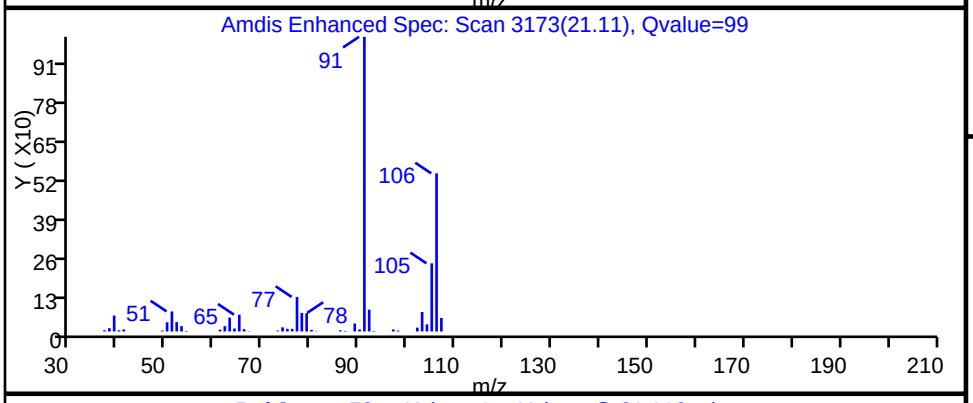
TestAmerica Burlington

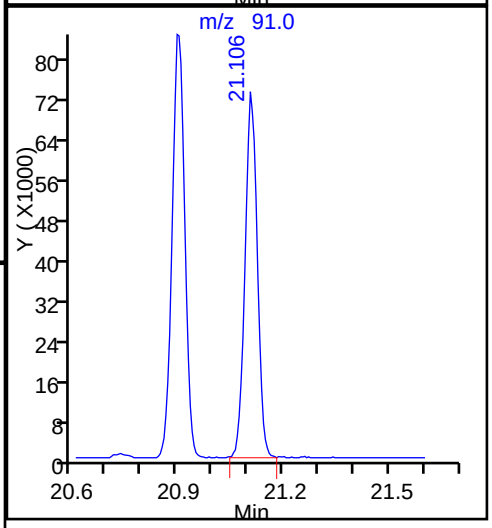
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

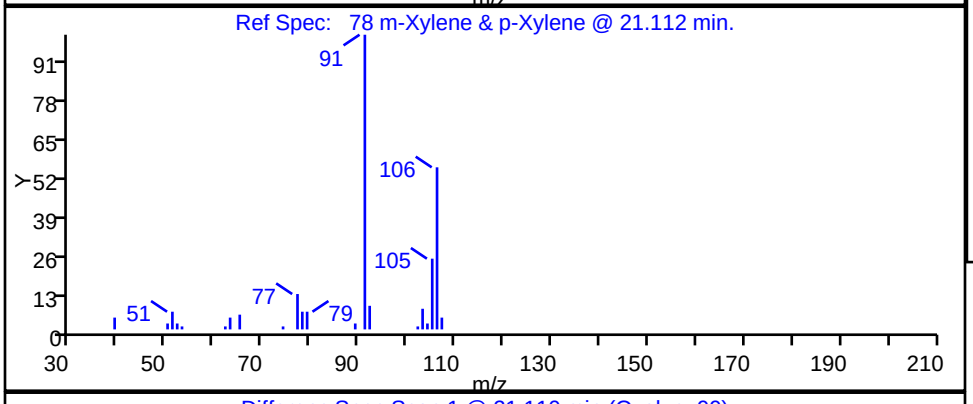
78 m-Xylene & p-Xylene, CAS: 179601-23-1

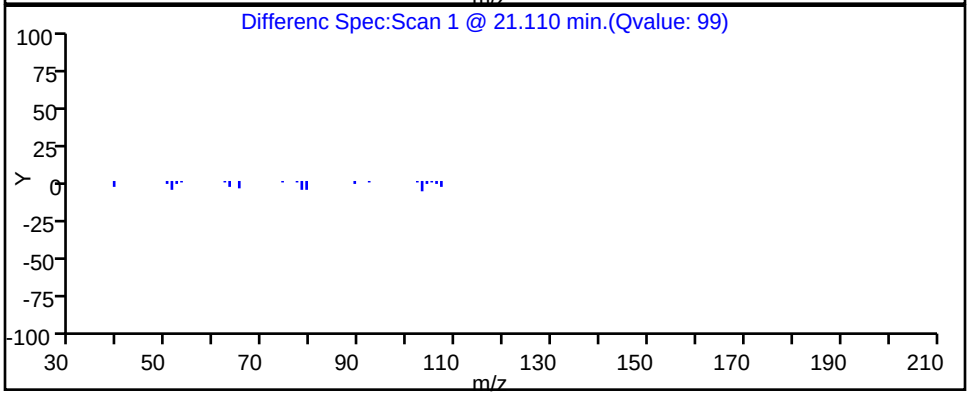








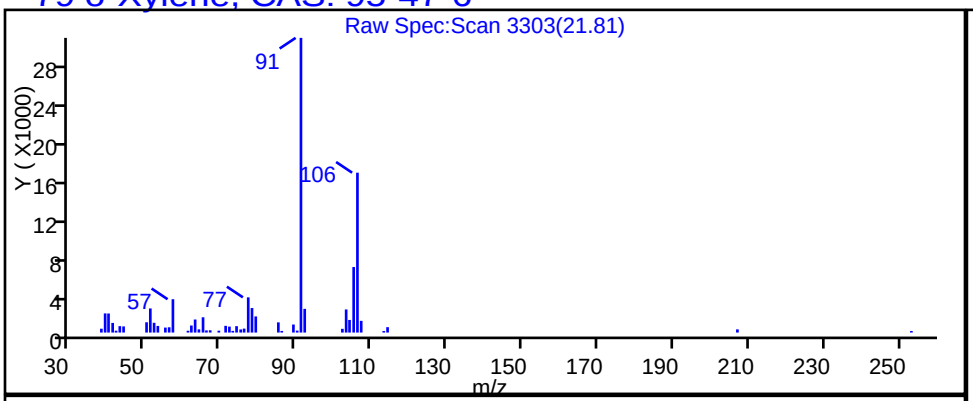


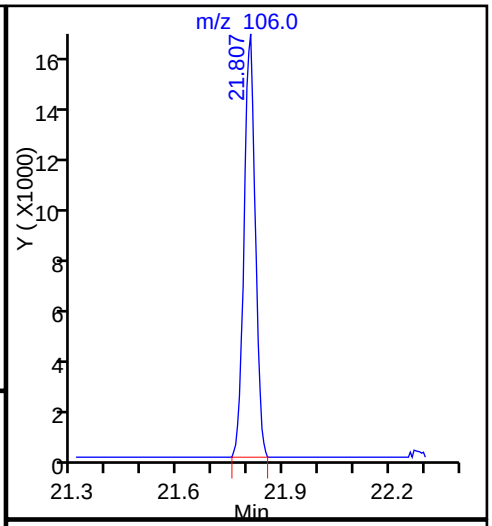


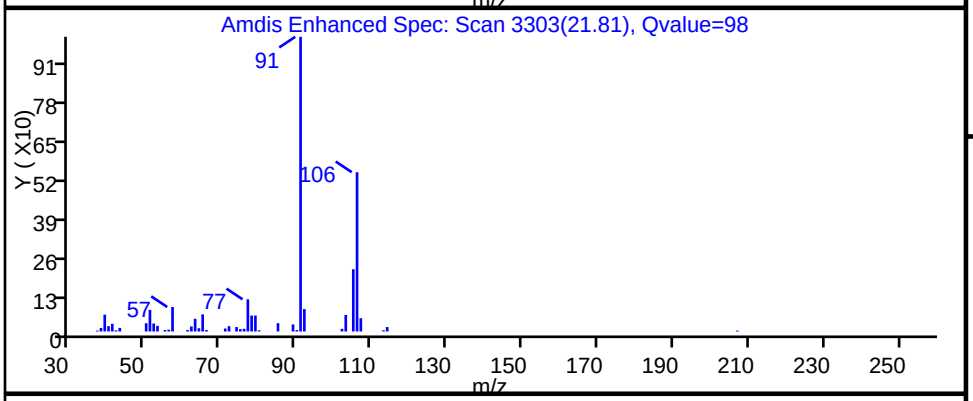
TestAmerica Burlington

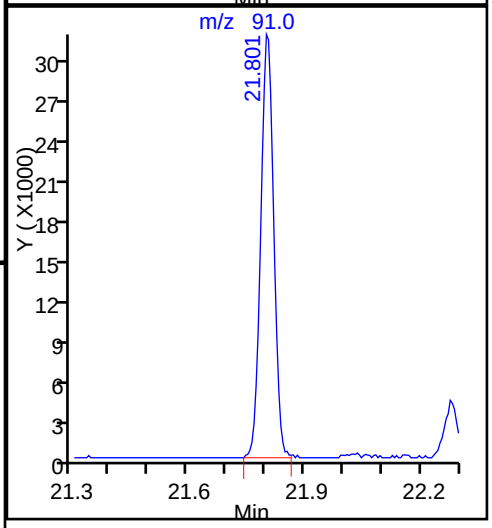
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

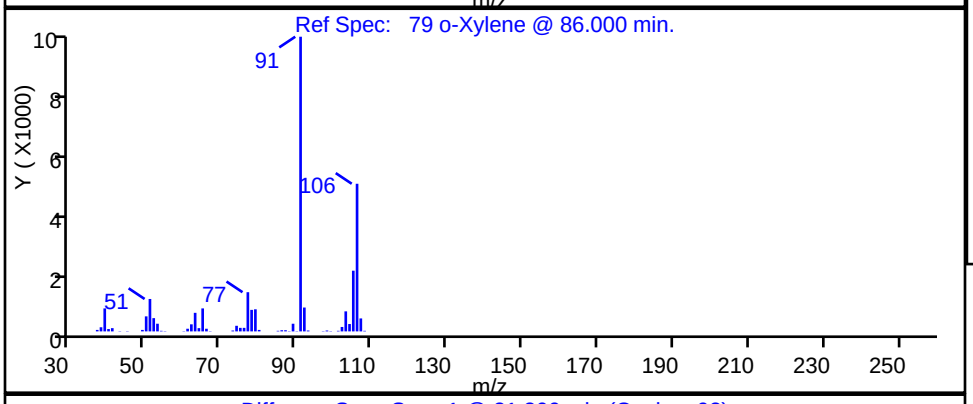
79 o-Xylene, CAS: 95-47-6

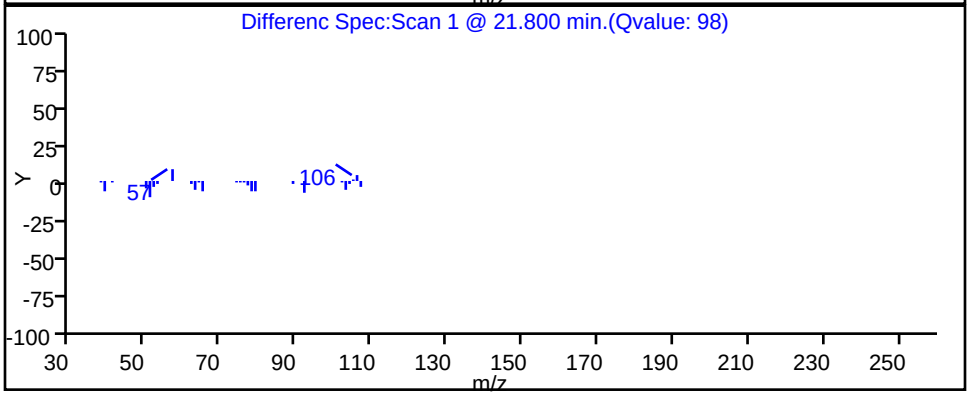








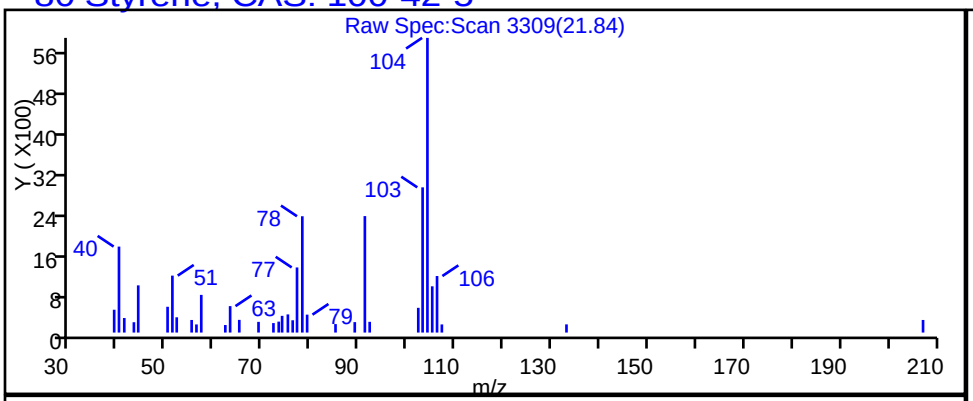


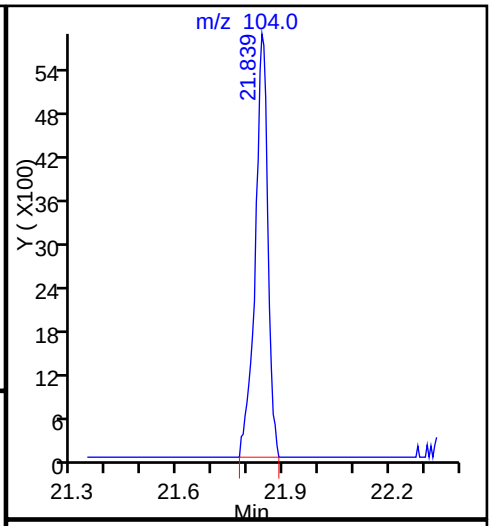


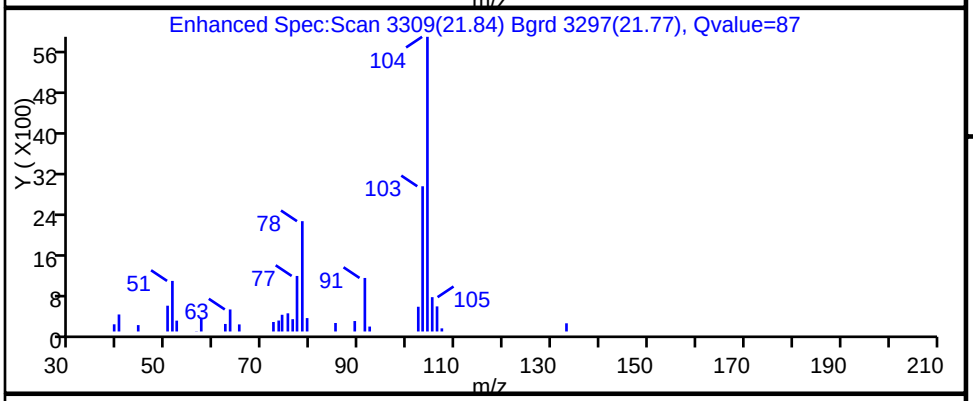
TestAmerica Burlington

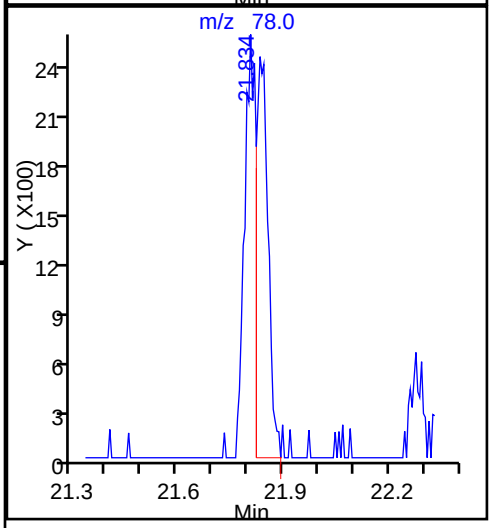
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

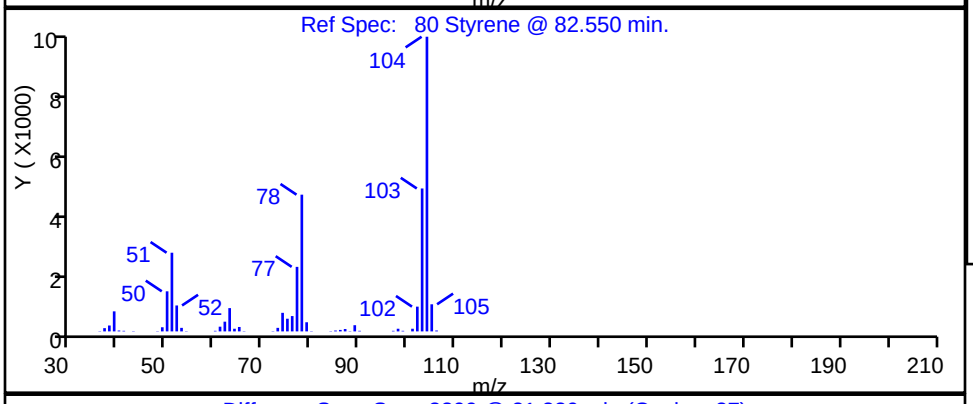
80 Styrene, CAS: 100-42-5

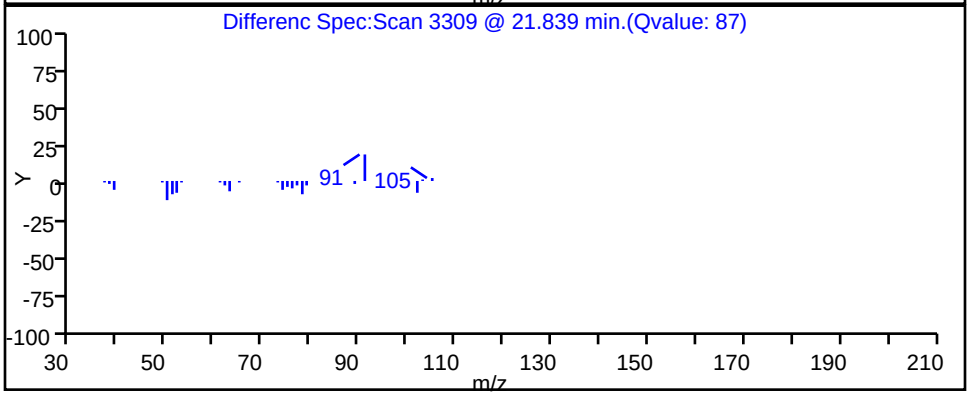








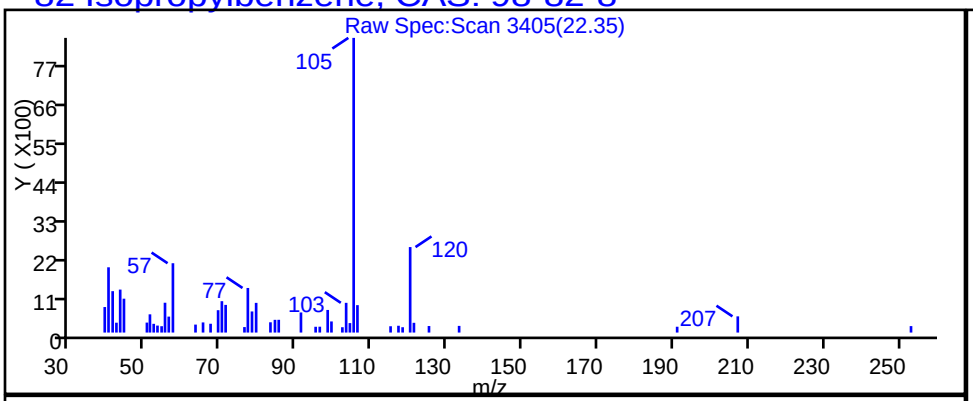


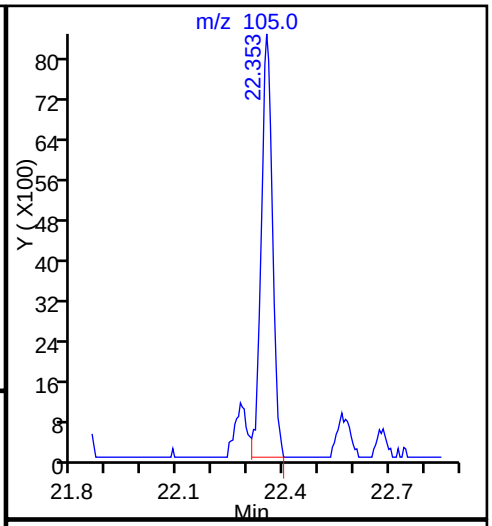


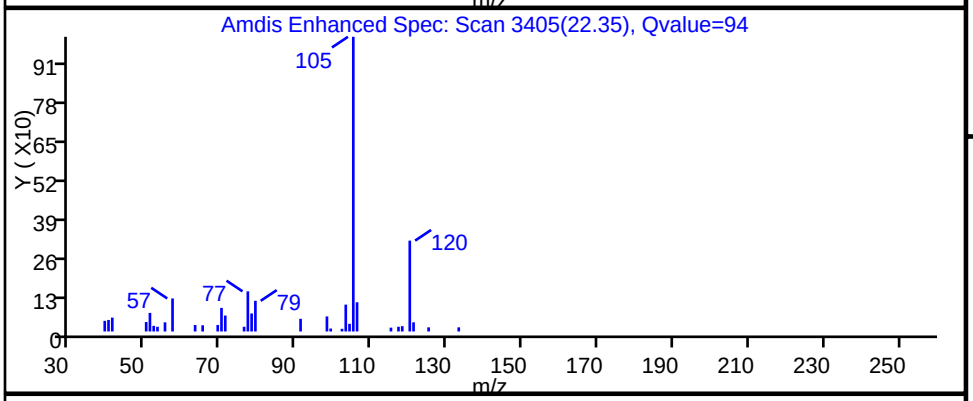
TestAmerica Burlington

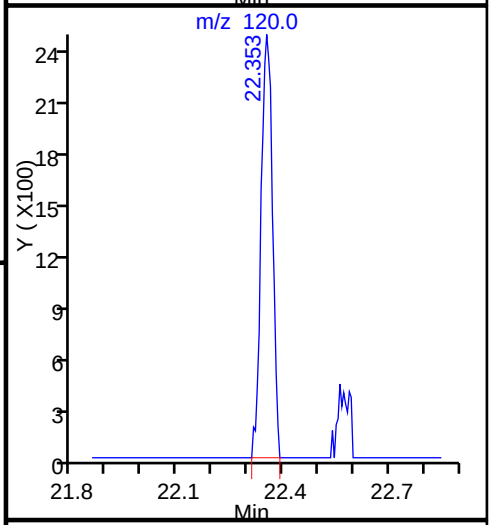
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

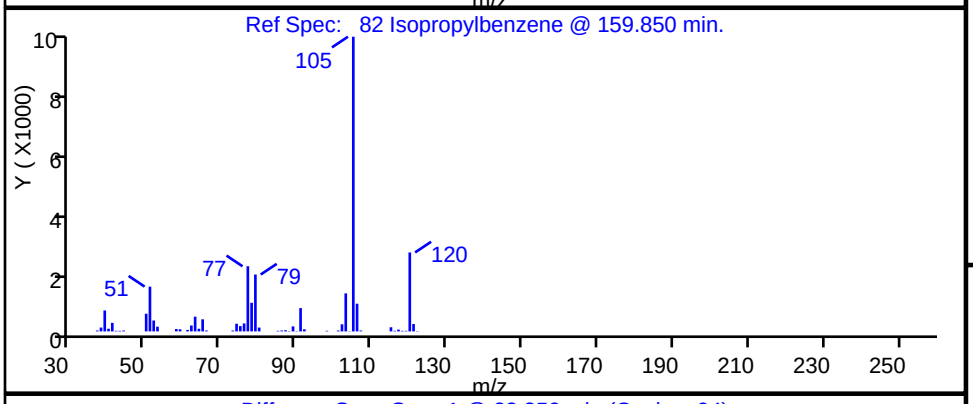
82 Isopropylbenzene, CAS: 98-82-8

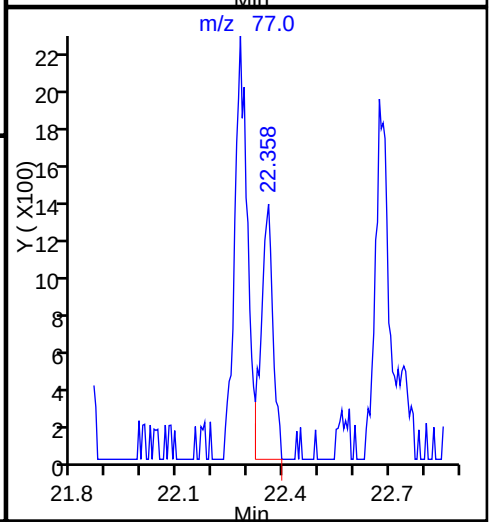


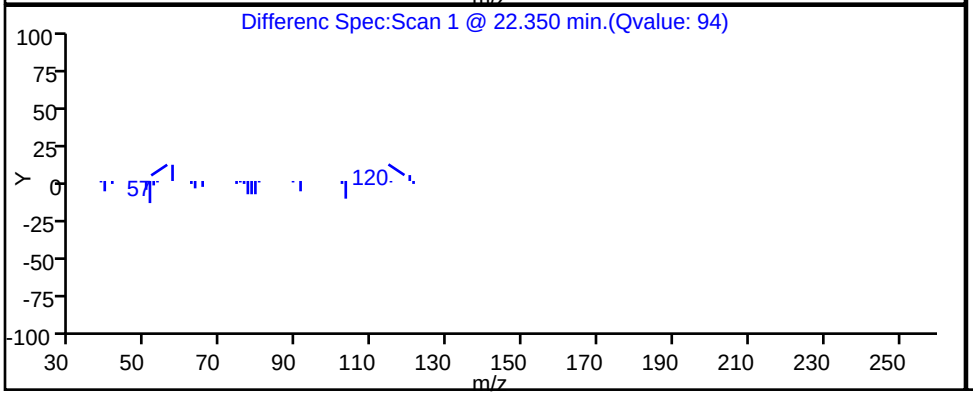








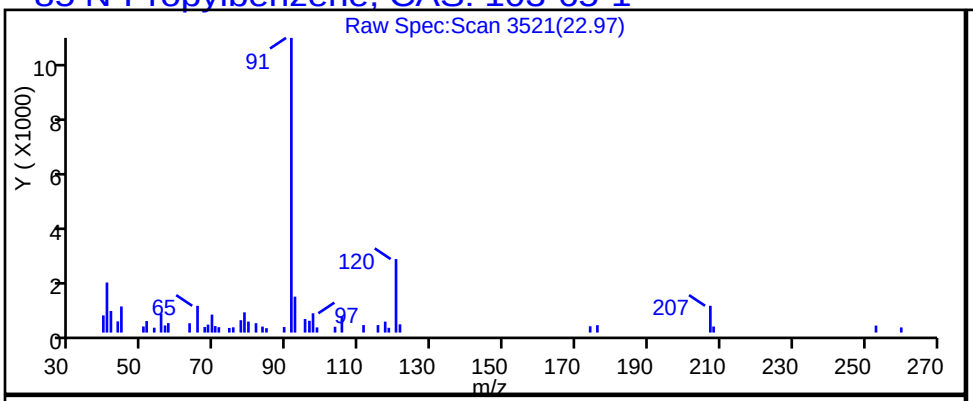


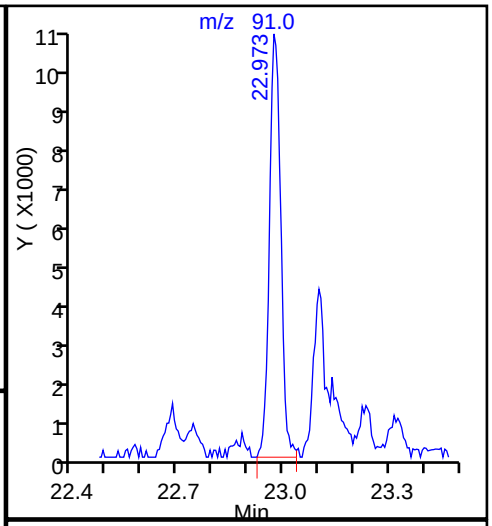


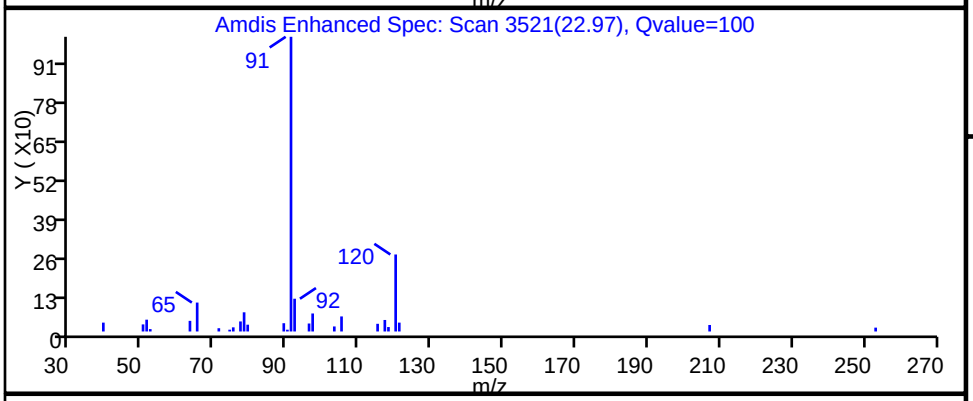
TestAmerica Burlington

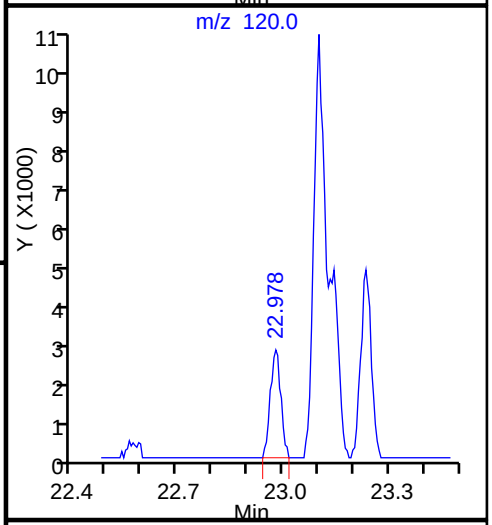
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

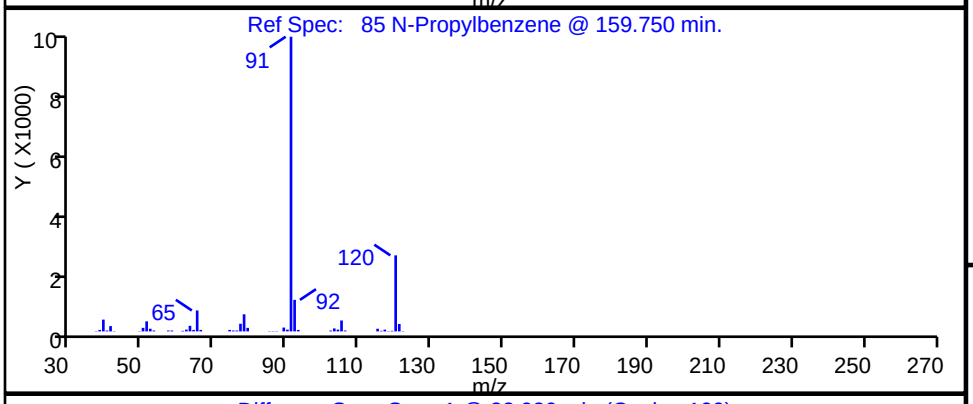
85 N-Propylbenzene, CAS: 103-65-1

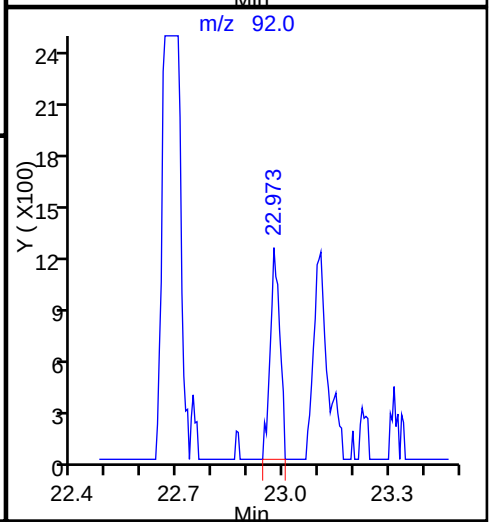


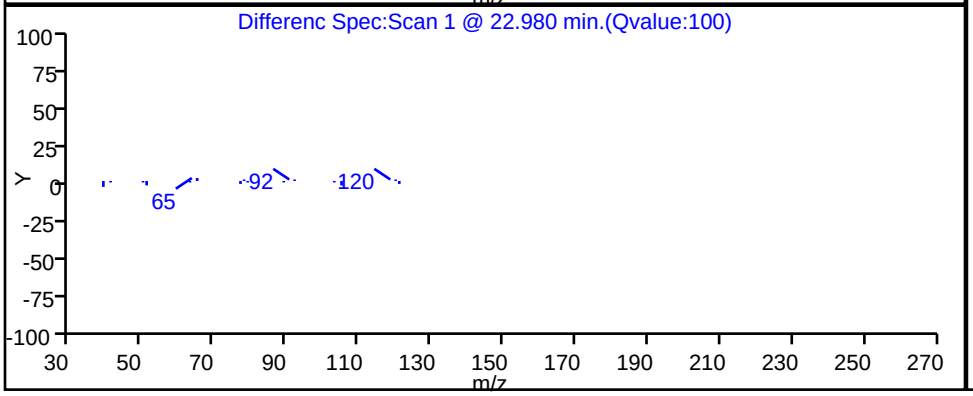








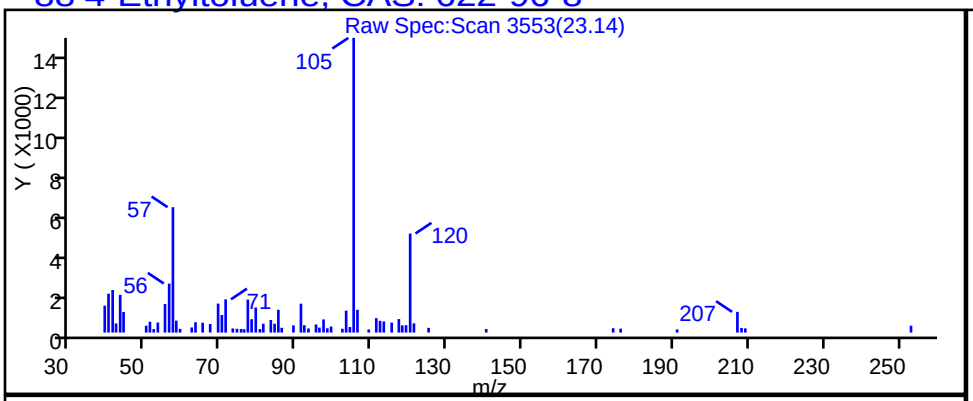


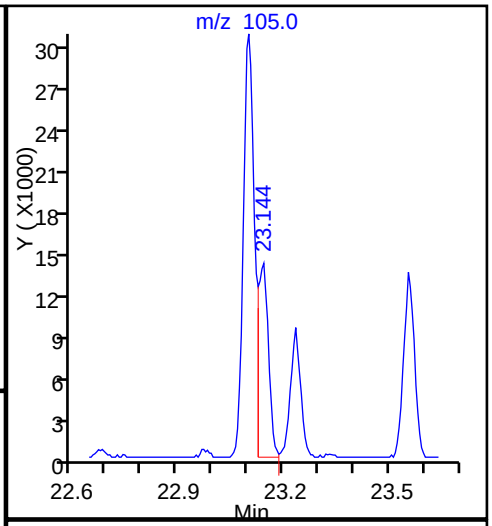


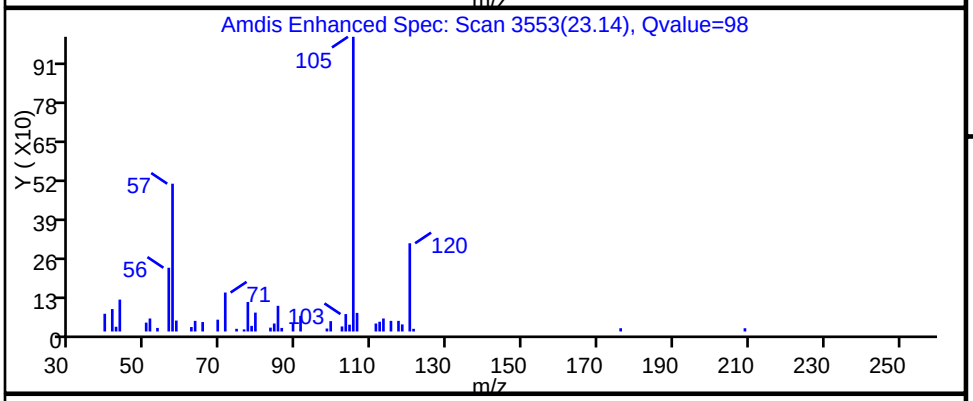
TestAmerica Burlington

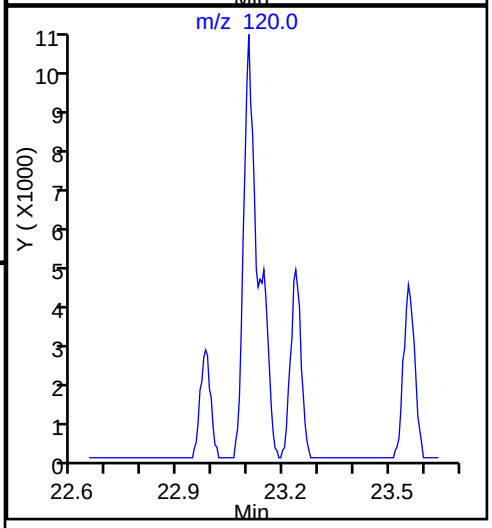
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

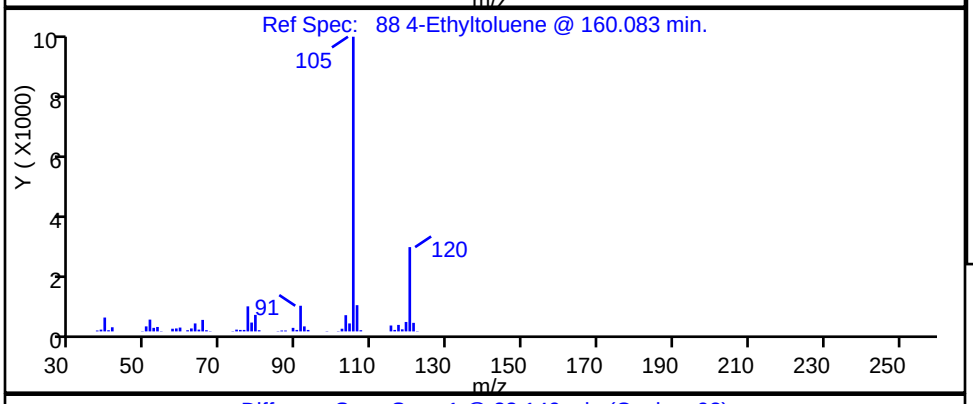
88 4-Ethyltoluene, CAS: 622-96-8

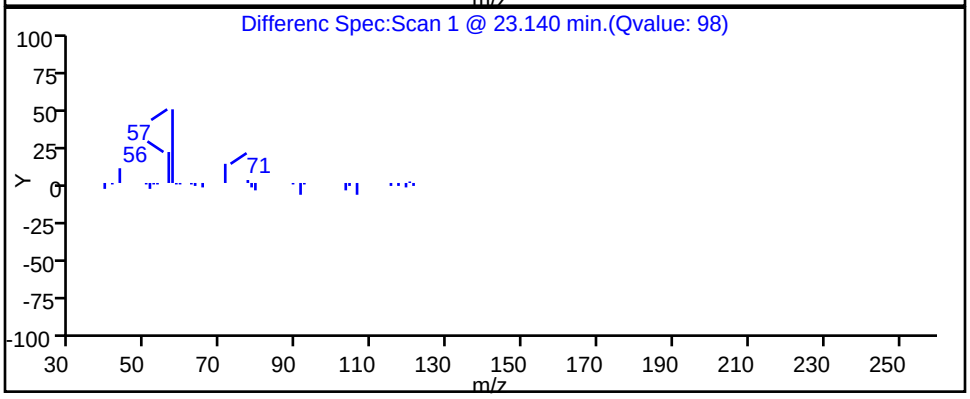








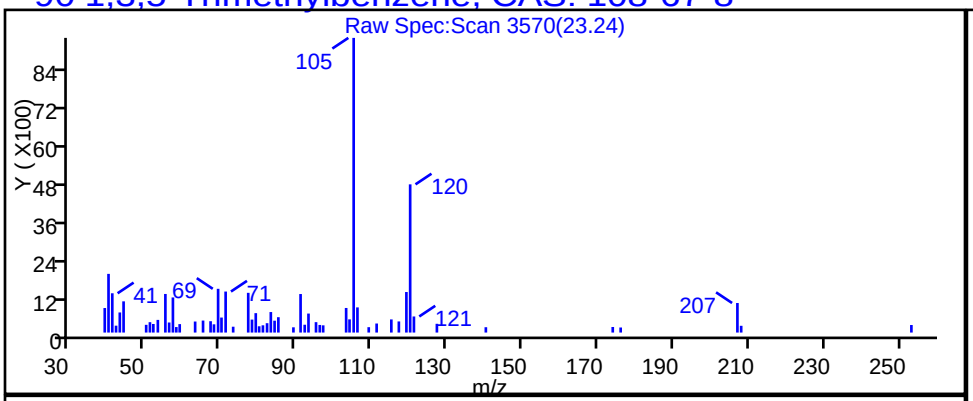


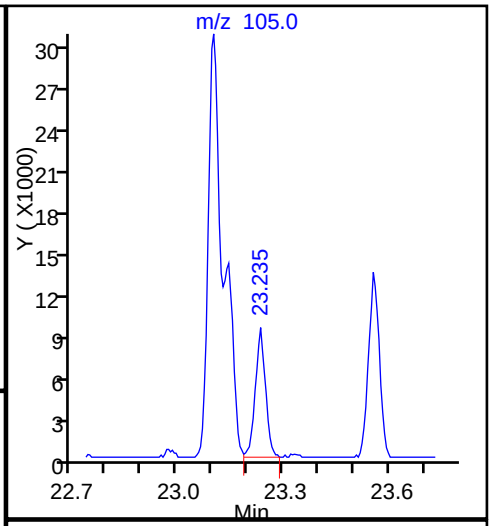


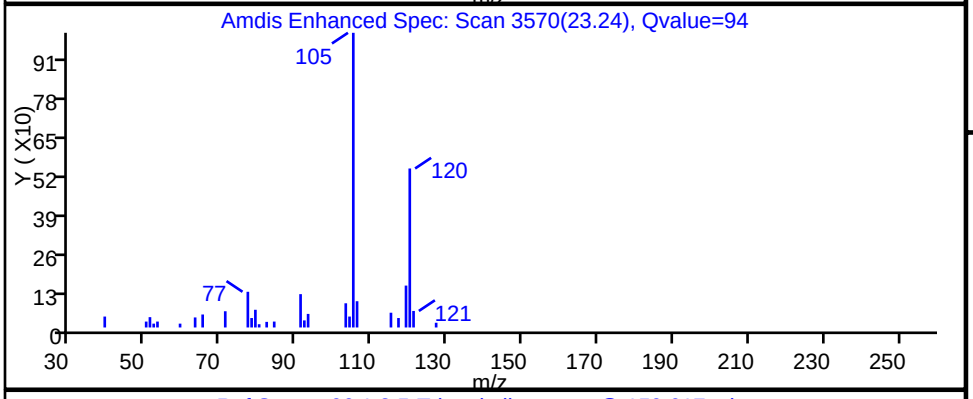
TestAmerica Burlington

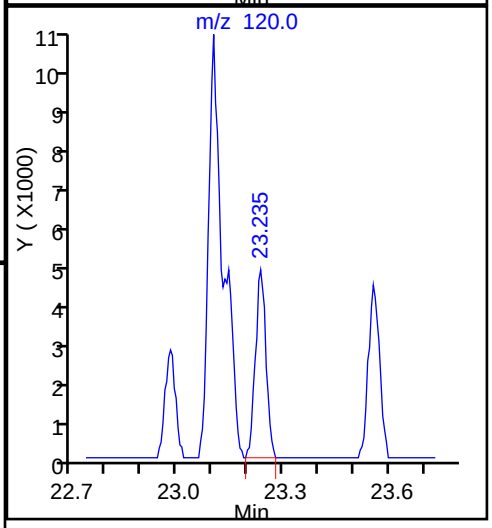
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

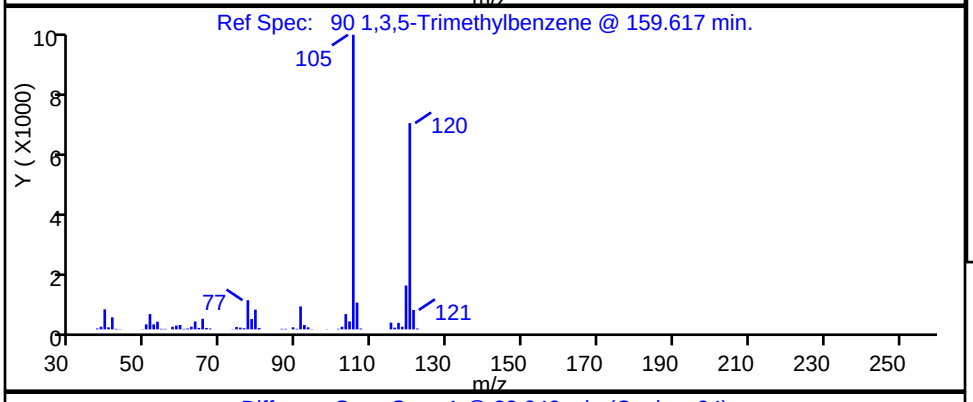
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

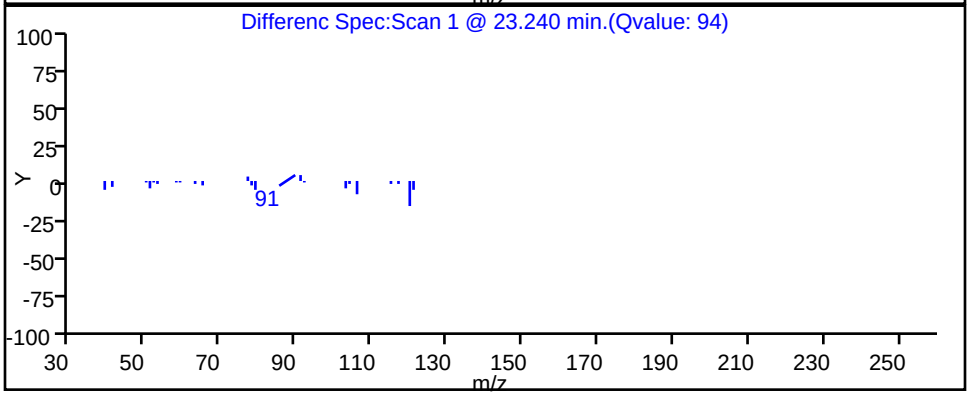








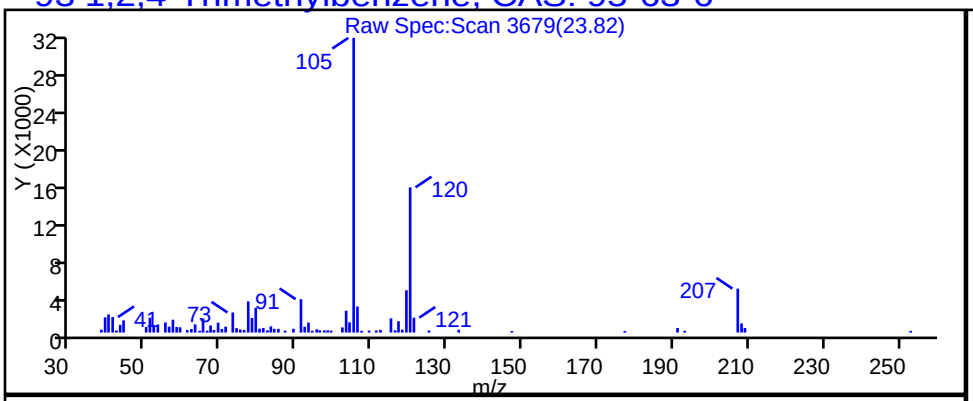


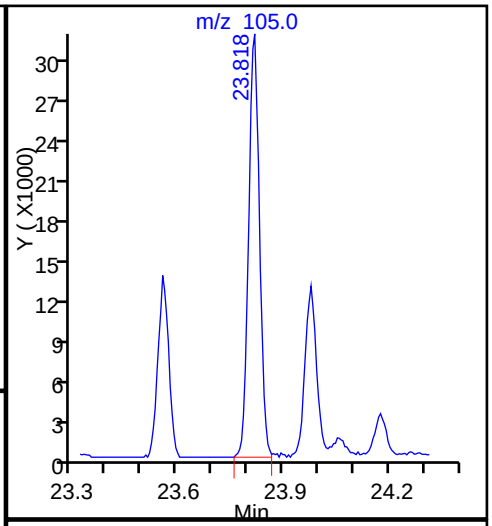


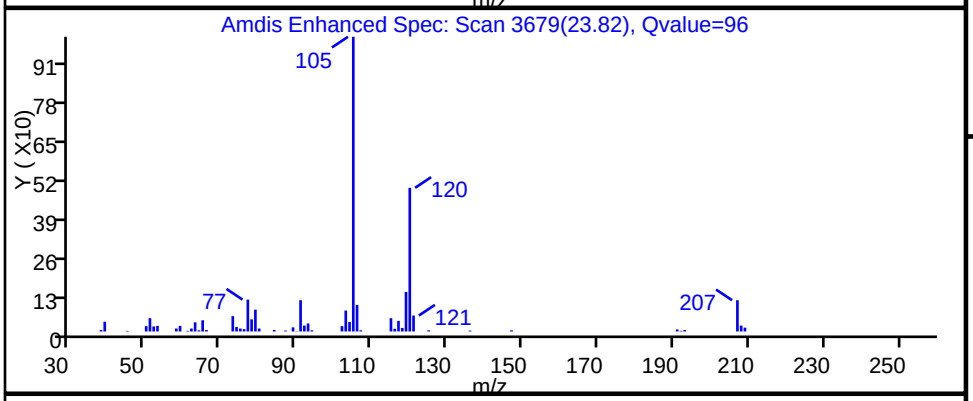
TestAmerica Burlington

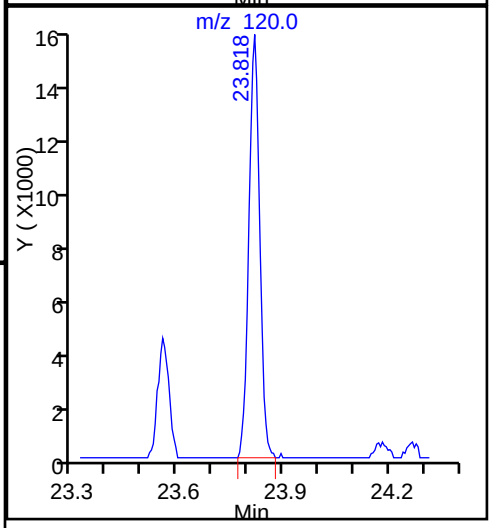
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

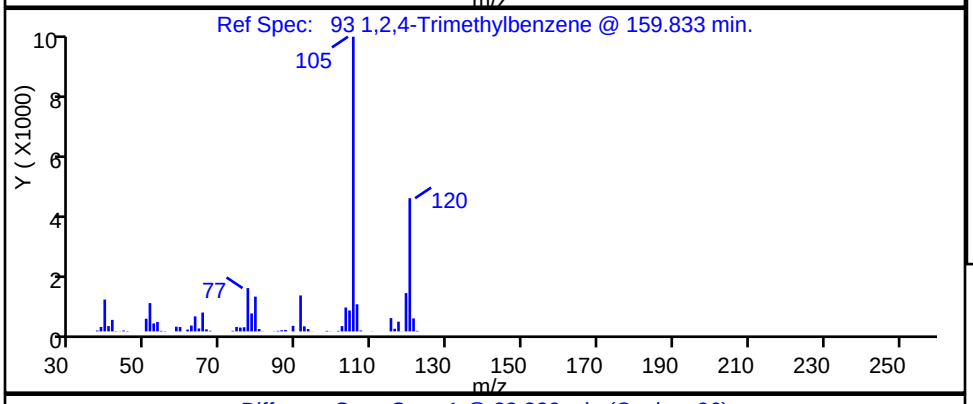
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

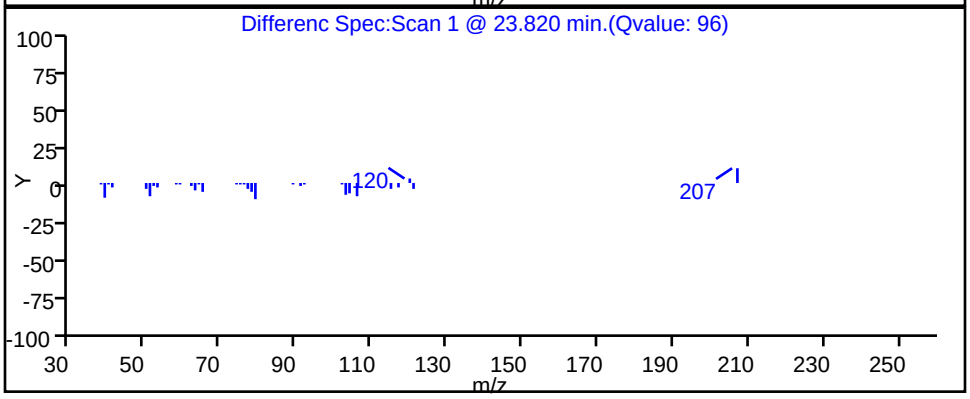








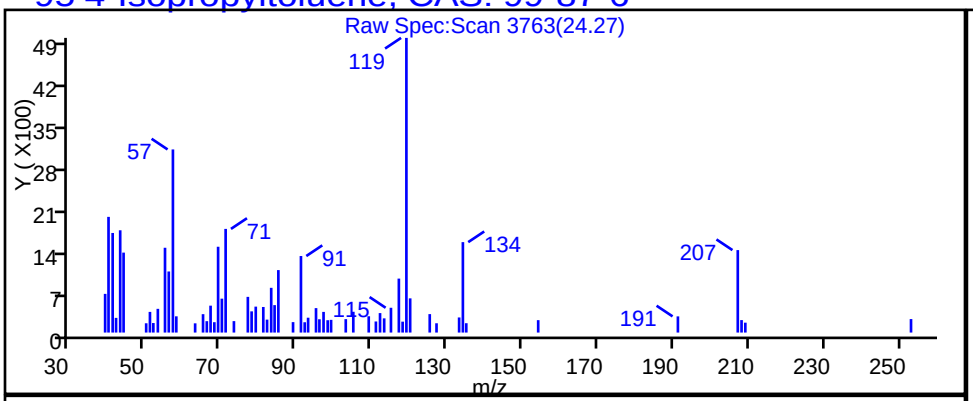


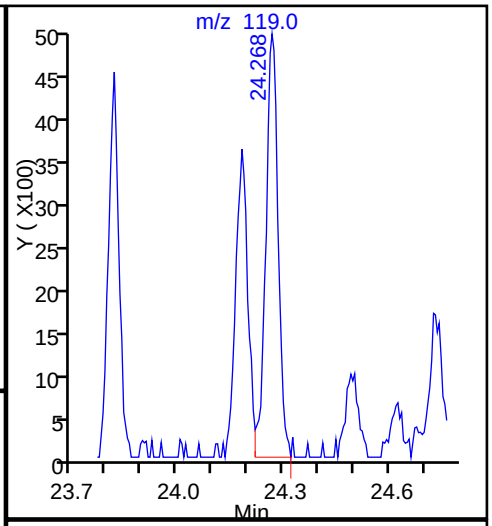


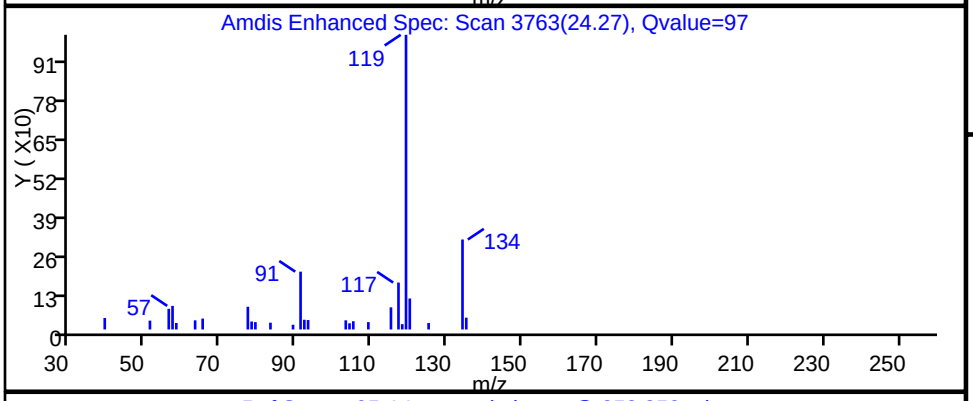
TestAmerica Burlington

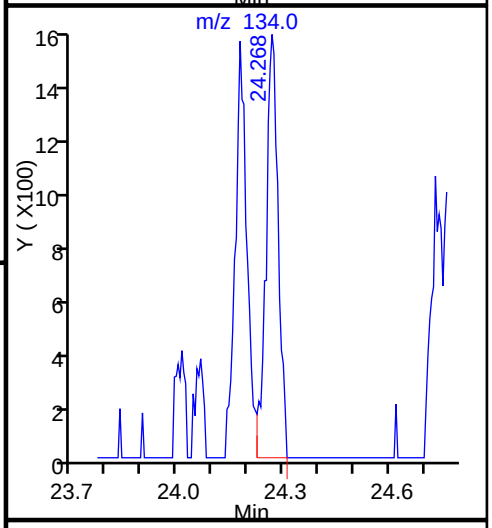
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

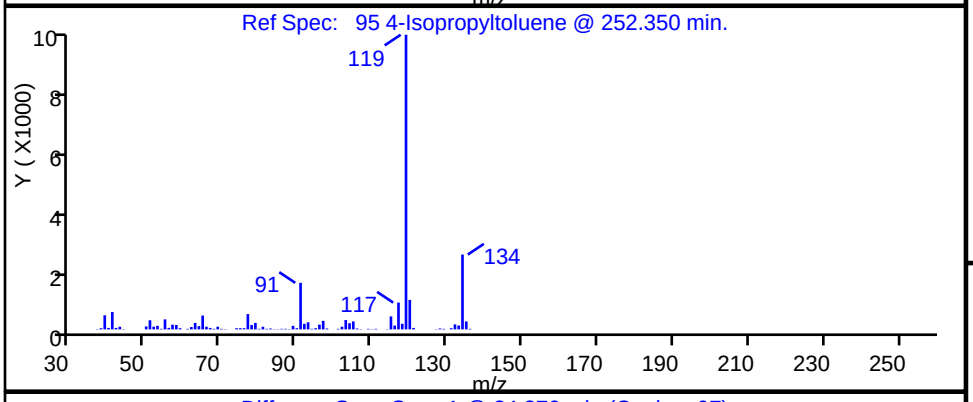
95 4-Isopropyltoluene, CAS: 99-87-6

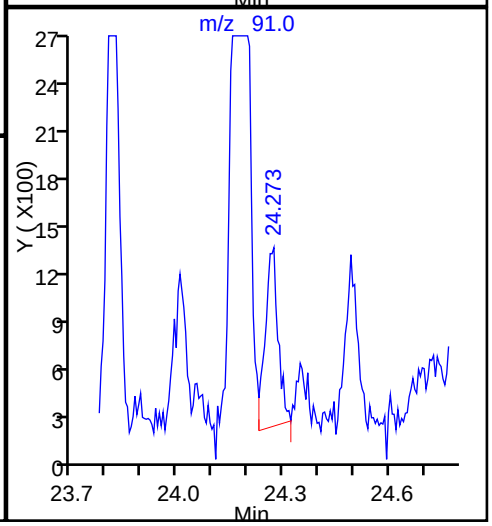


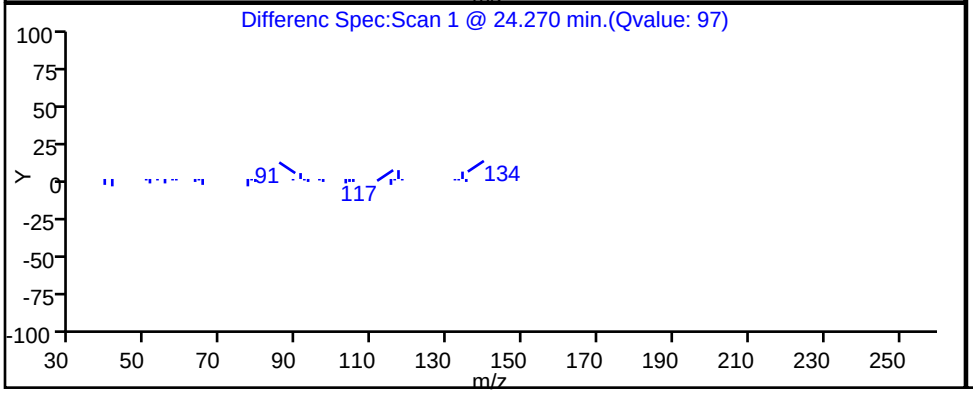






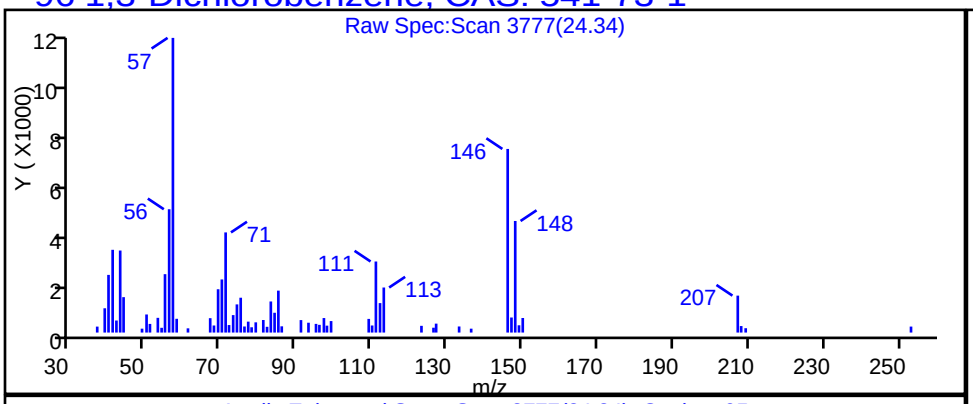


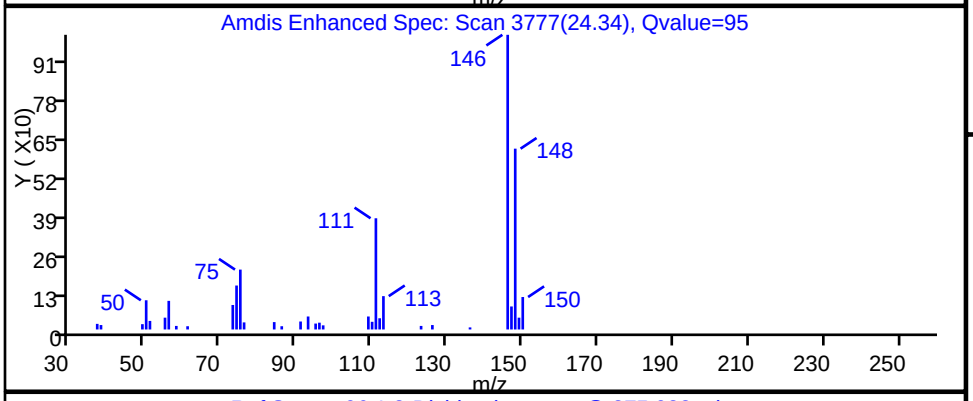


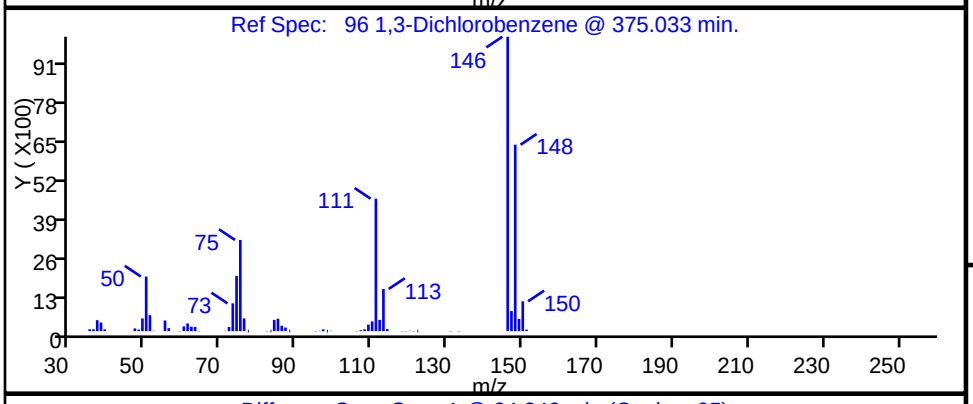


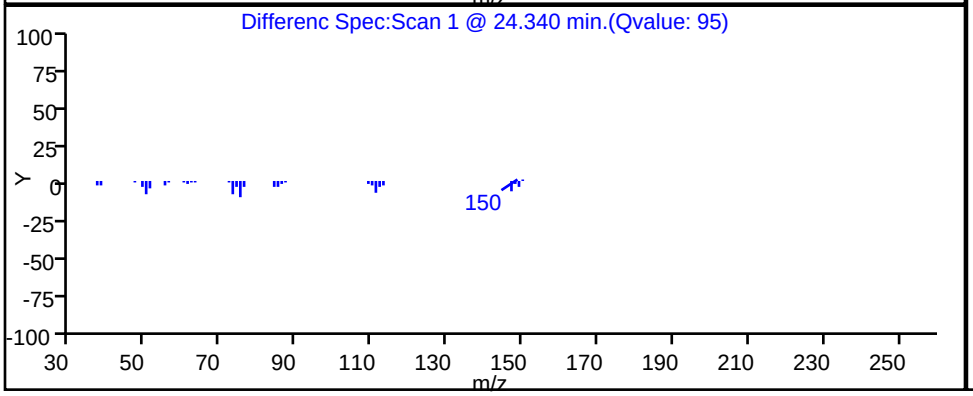
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d
Injection Date: 10-Sep-2015 16:46:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-4 Lab Sample ID: 200-29580-4
Client ID: 774VMP0201NA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

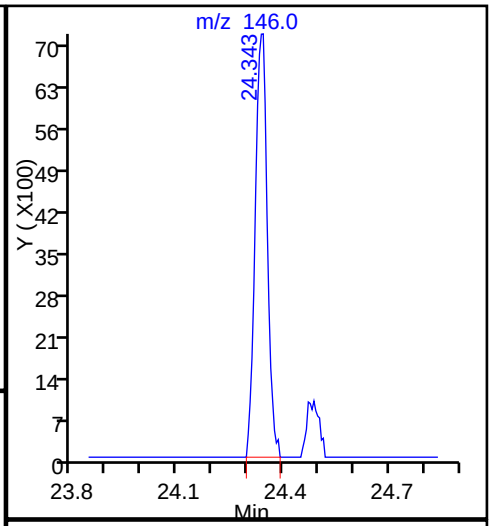
96 1,3-Dichlorobenzene, CAS: 541-73-1

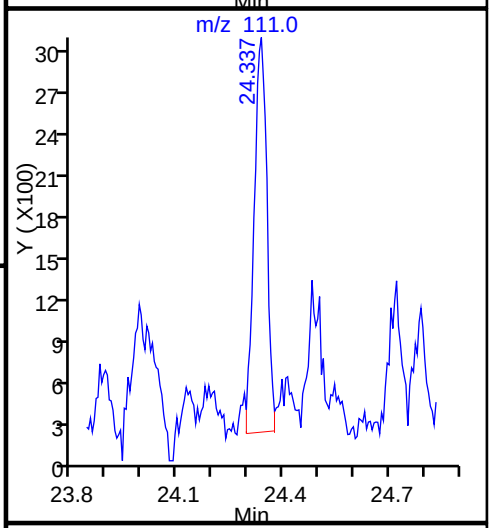


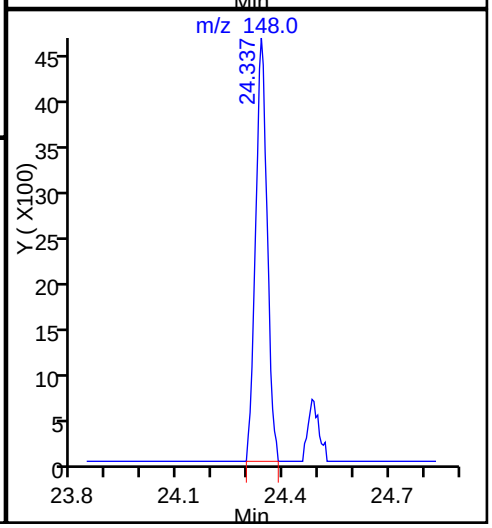








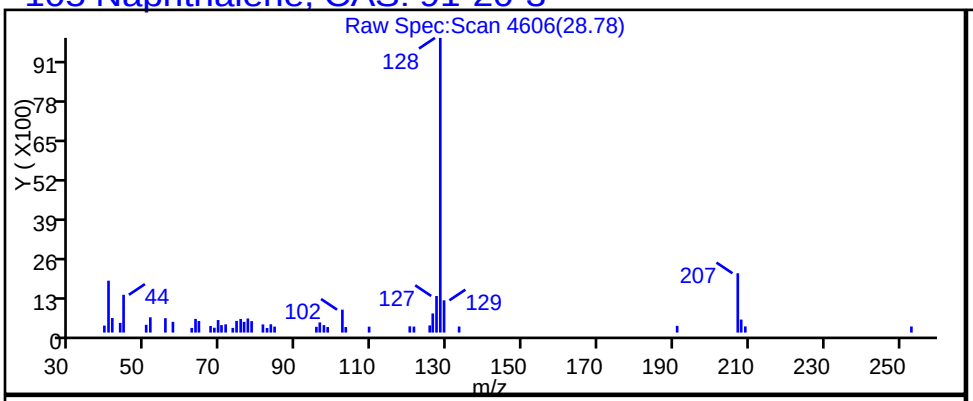


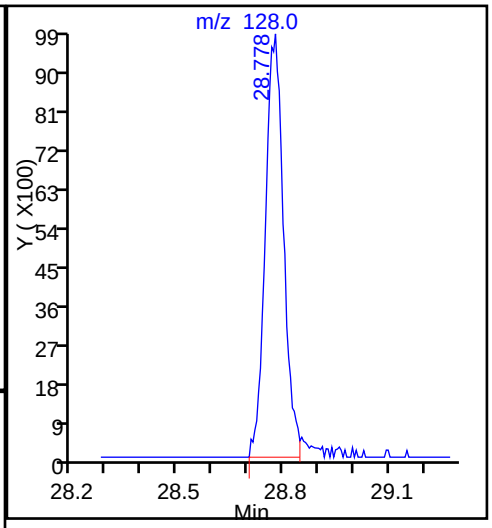


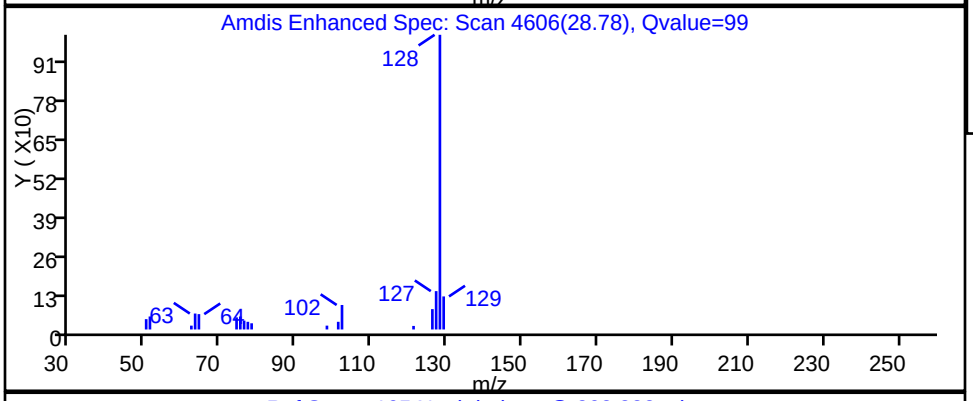
TestAmerica Burlington

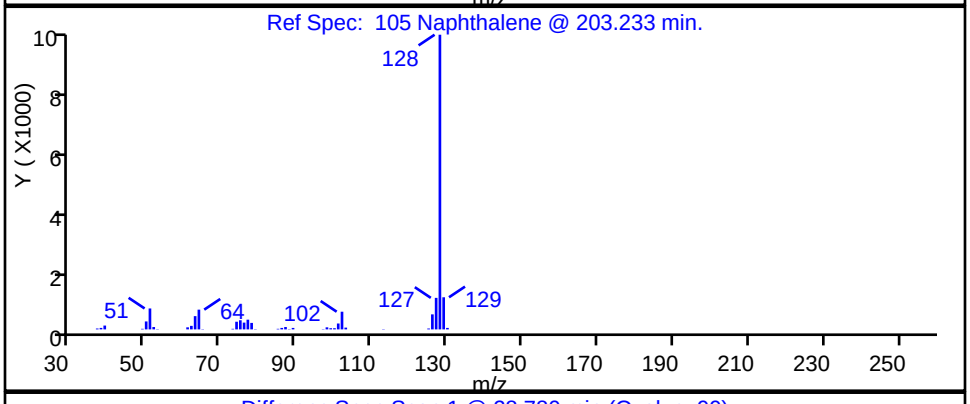
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

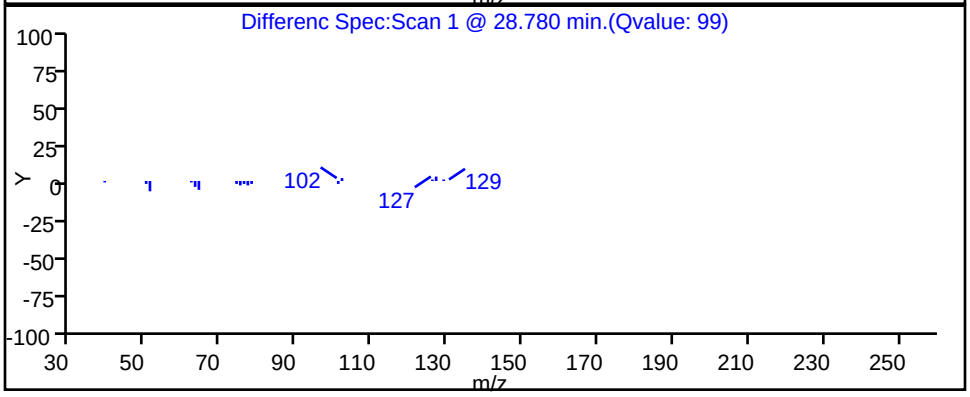
105 Naphthalene, CAS: 91-20-3











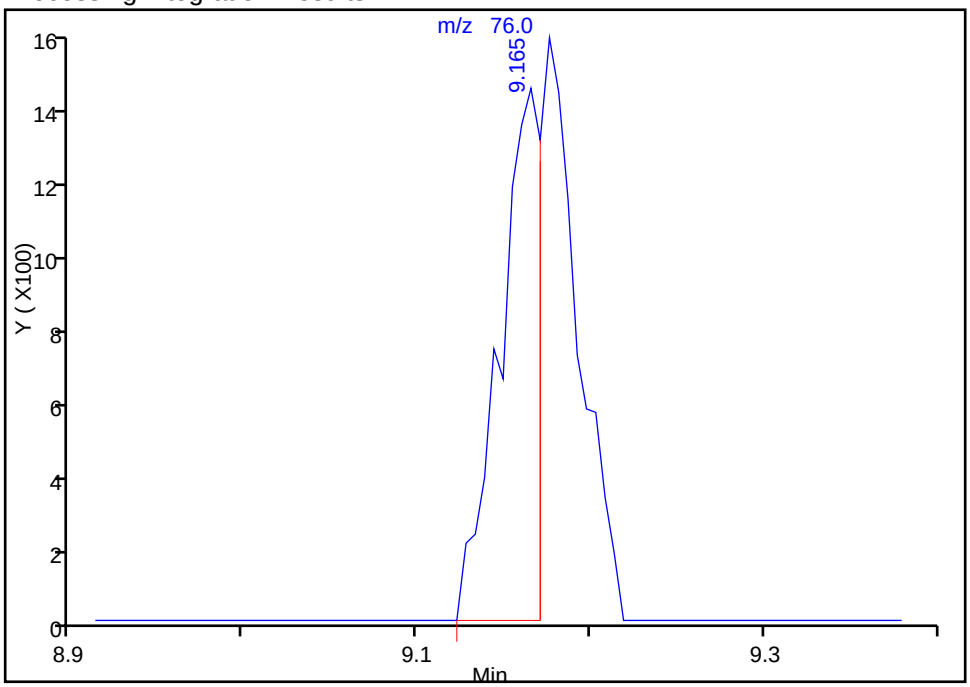
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

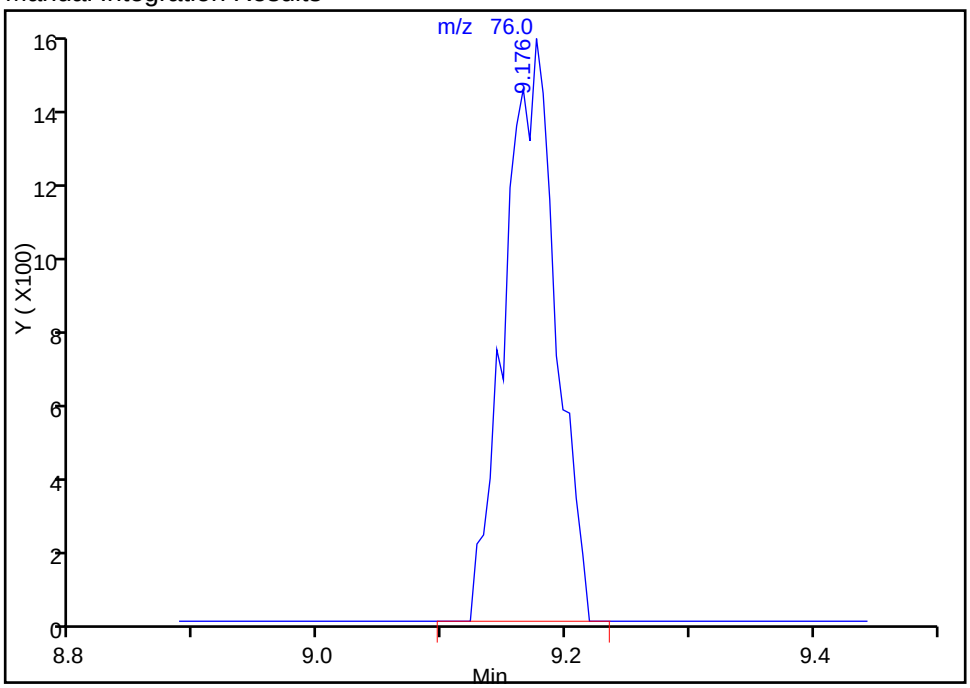
Processing Integration Results

RT: 9.17
Area: 2330
Amount: 0.032868
Amount Units: ppb v/v



Manual Integration Results

RT: 9.18
Area: 4361
Amount: 0.061518
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:00:30
Audit Action: Manually Integrated
Audit Reason: Baseline

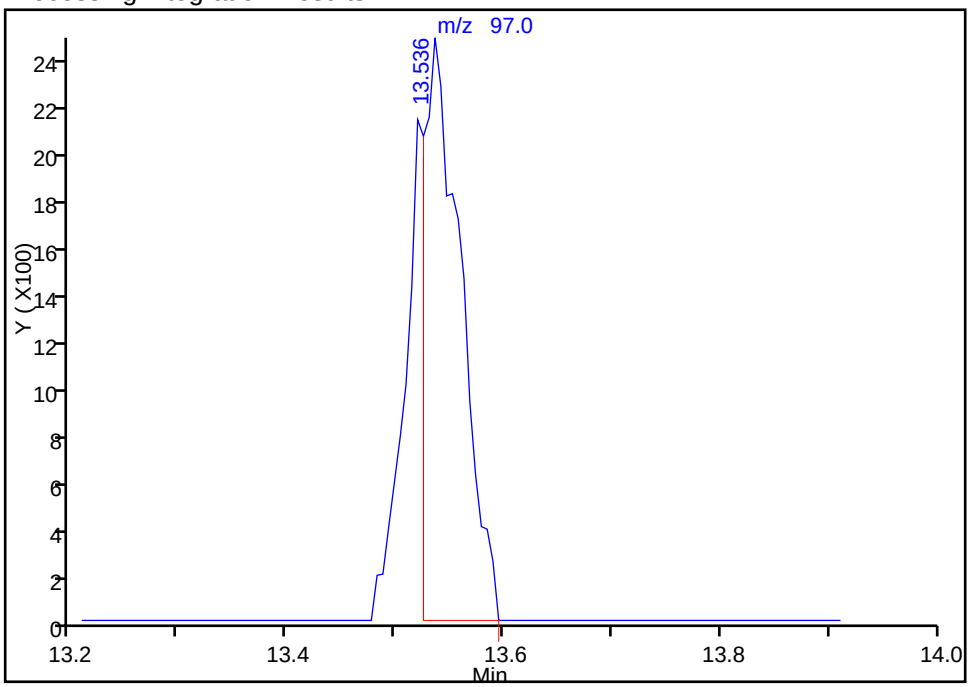
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 1,1,1-Trichloroethane, CAS: 71-55-6

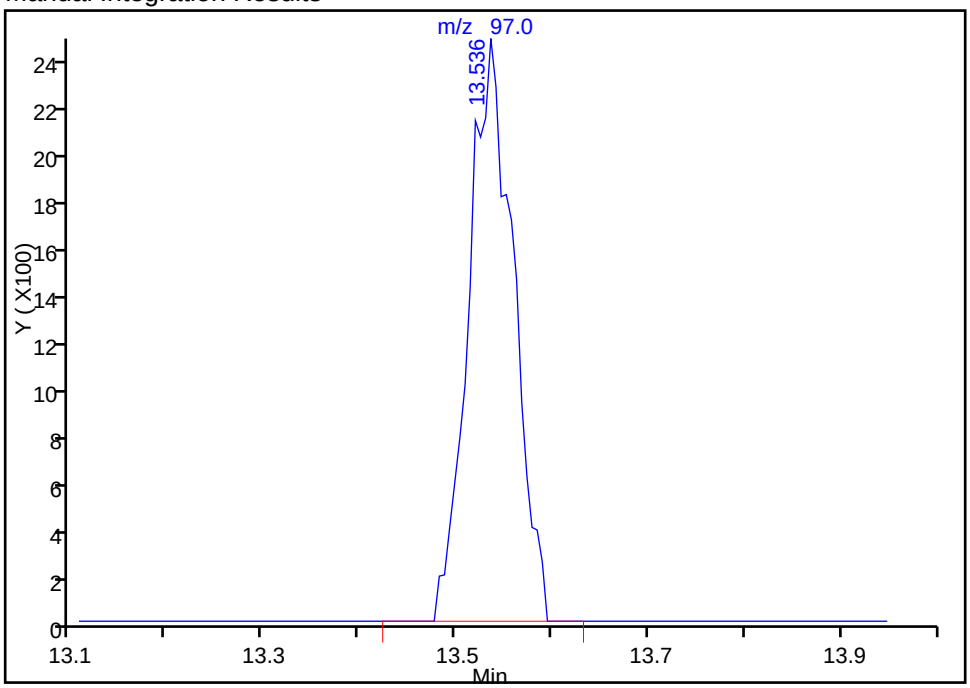
Processing Integration Results

RT: 13.54
Area: 5701
Amount: 0.087855
Amount Units: ppb v/v



Manual Integration Results

RT: 13.54
Area: 7792
Amount: 0.120078
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:00:30
Audit Action: Manually Integrated
Audit Reason: Baseline

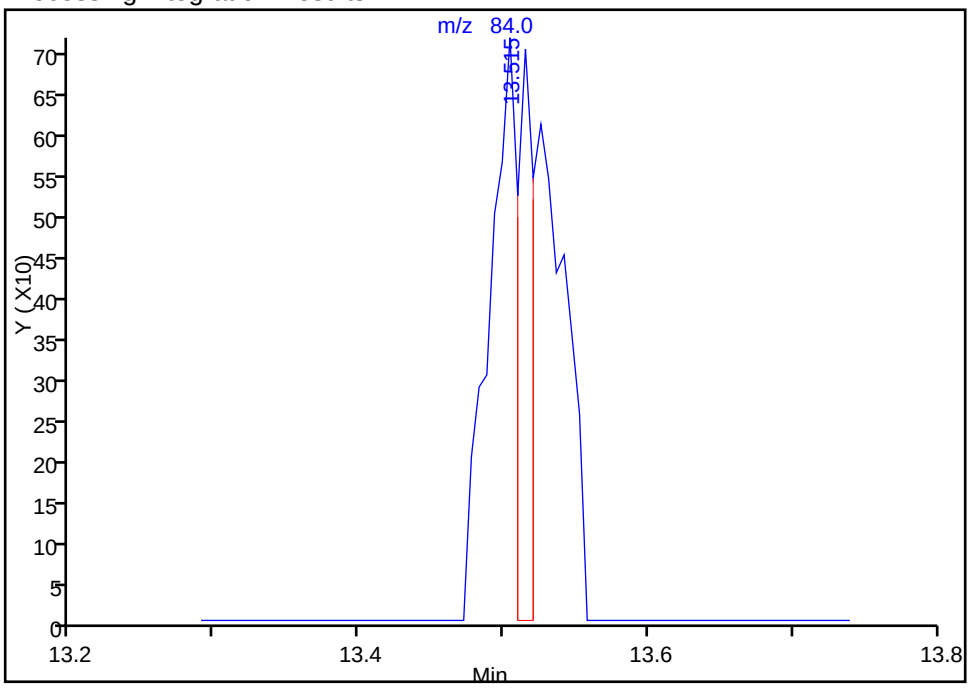
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

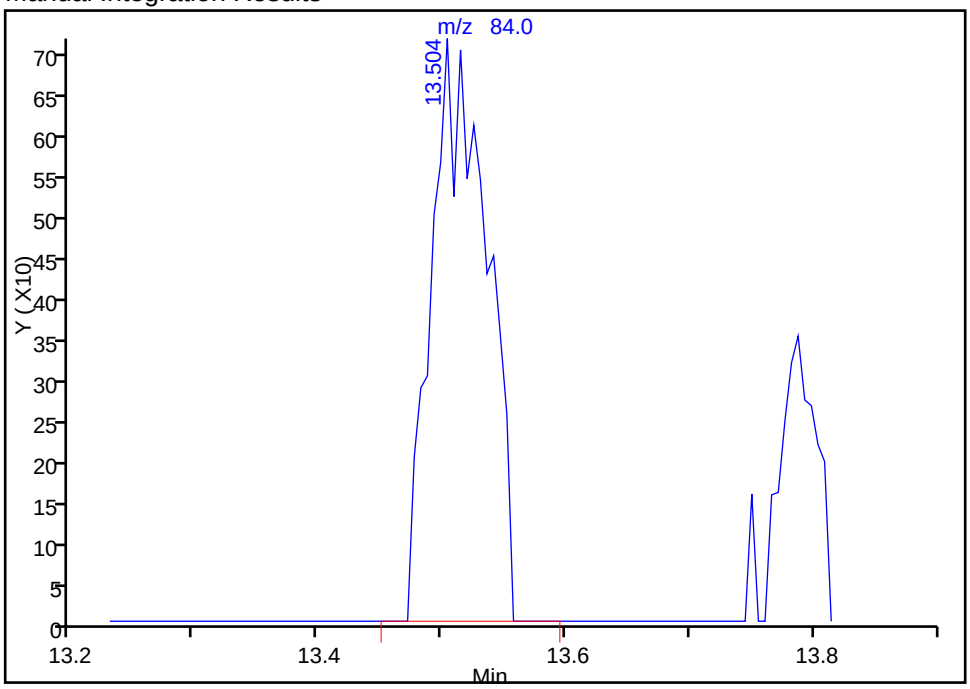
Processing Integration Results

RT: 13.51
Area: 570
Amount: 0.013651
Amount Units: ppb v/v



Manual Integration Results

RT: 13.50
Area: 2247
Amount: 0.053814
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:00:30
Audit Action: Manually Integrated
Audit Reason: Baseline

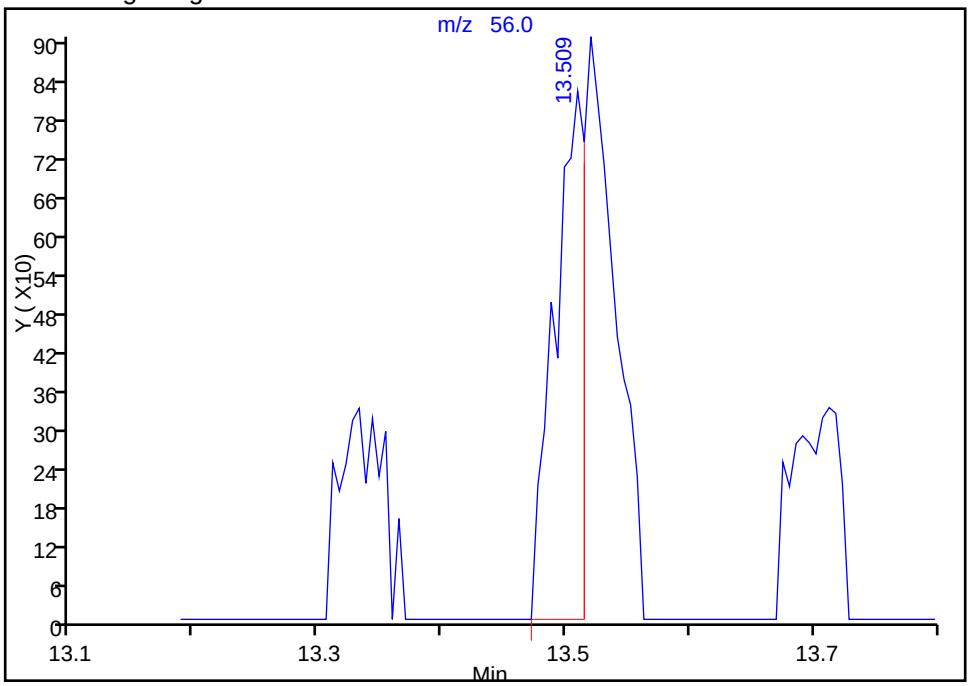
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_011.d				
Injection Date:	10-Sep-2015 16:46:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-4	Lab Sample ID:	200-29580-4		
Client ID:	774VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

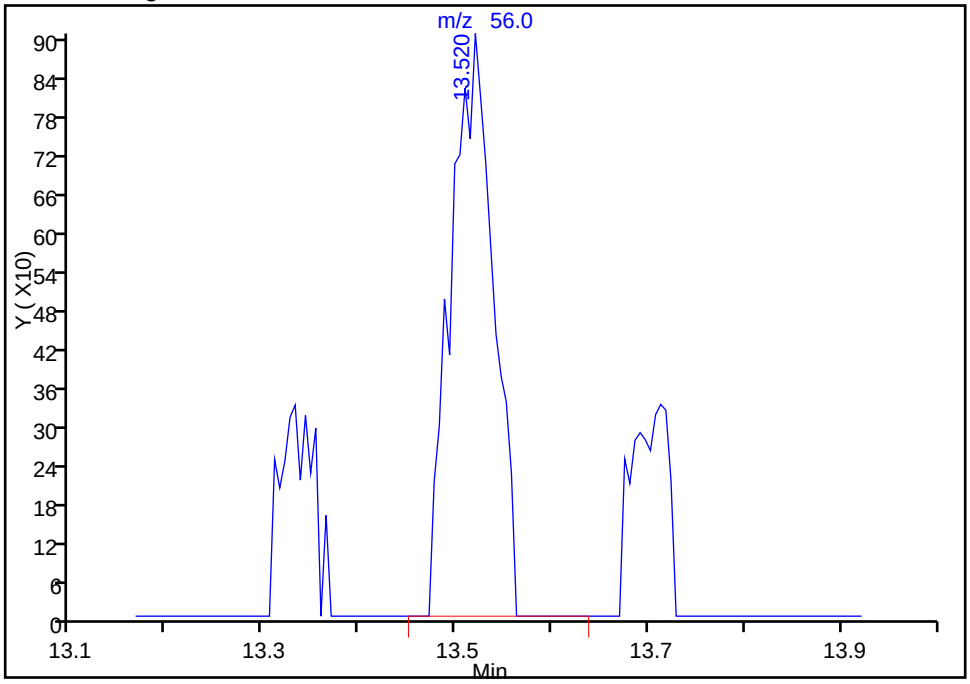
Processing Integration Results

RT: 13.51
Area: 1412
Amount: 0.013651
Amount Units: ppb v/v



Manual Integration Results

RT: 13.52
Area: 2815
Amount: 0.053814
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:00:30
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0301NA Lab Sample ID: 200-29580-5

Matrix: Air Lab File ID: 15679_012.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:20

Sample wt/vol: 20(mL) Date Analyzed: 09/10/2015 17:34

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	4.0	U	10	1.1
75-45-6	Freon 22	86.47	4.0	U	10	1.6
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.6	U	4.0	1.0
74-87-3	Chloromethane	50.49	4.0	U	10	1.2
106-97-8	n-Butane	58.12	4.0	U	10	3.6
75-01-4	Vinyl chloride	62.50	0.60	U	4.0	0.52
106-99-0	1,3-Butadiene	54.09	1.6	U	4.0	0.72
74-83-9	Bromomethane	94.94	1.6	U	4.0	0.88
75-00-3	Chloroethane	64.52	1.6	U	10	1.2
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.60	U	4.0	0.40
75-69-4	Trichlorofluoromethane	137.37	2.2	J D M	4.0	0.90
76-13-1	Freon TF	187.38	1.6	U	4.0	0.82
75-35-4	1,1-Dichloroethene	96.94	0.60	U	4.0	0.20
67-64-1	Acetone	58.08	50	U	100	14
67-63-0	Isopropyl alcohol	60.10	3.6	J D	100	3.0
75-15-0	Carbon disulfide	76.14	1.6	U	10	0.60
107-05-1	3-Chloropropene	76.53	4.0	U	10	3.2
75-09-2	Methylene Chloride	84.93	4.0	U	10	2.4
75-65-0	tert-Butyl alcohol	74.12	4.0	U	100	2.4
1634-04-4	Methyl tert-butyl ether	88.15	0.60	U	4.0	0.44
156-60-5	trans-1,2-Dichloroethene	96.94	0.60	U	4.0	0.54
110-54-3	n-Hexane	86.17	0.60	U	4.0	0.56
75-34-3	1,1-Dichloroethane	98.96	0.60	U	4.0	0.56
78-93-3	Methyl Ethyl Ketone	72.11	4.0	U	10	1.8
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	4.0	0.60
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	8.0	1.1
67-66-3	Chloroform	119.38	1.6	U	4.0	0.76
109-99-9	Tetrahydrofuran	72.11	4.0	U	100	3.6
71-55-6	1,1,1-Trichloroethane	133.41	1.6	U	4.0	0.60
110-82-7	Cyclohexane	84.16	0.60	U	4.0	0.20
56-23-5	Carbon tetrachloride	153.81	61	D	4.0	0.22
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	U	4.0	0.46
71-43-2	Benzene	78.11	0.60	U	4.0	0.58
107-06-2	1,2-Dichloroethane	98.96	1.6	U	4.0	1.0

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0301NA Lab Sample ID: 200-29580-5

Matrix: Air Lab File ID: 15679_012.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:20

Sample wt/vol: 20(mL) Date Analyzed: 09/10/2015 17:34

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.6	U	4.0	0.74
79-01-6	Trichloroethene	131.39	0.60	U	4.0	0.60
80-62-6	Methyl methacrylate	100.12	4.0	U	10	1.9
78-87-5	1,2-Dichloropropane	112.99	1.6	U	4.0	0.70
123-91-1	1,4-Dioxane	88.11	4.0	U	100	3.2
75-27-4	Bromodichloromethane	163.83	0.60	U	4.0	0.58
10061-01-5	cis-1,3-Dichloropropene	110.97	0.60	U	4.0	0.58
108-10-1	methyl isobutyl ketone	100.16	4.0	U	10	3.6
108-88-3	Toluene	92.14	0.60	U	4.0	0.50
10061-02-6	trans-1,3-Dichloropropene	110.97	0.60	U	4.0	0.52
79-00-5	1,1,2-Trichloroethane	133.41	1.6	U	4.0	0.74
127-18-4	Tetrachloroethene	165.83	0.60	U	4.0	0.60
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.0	U	10	3.4
124-48-1	Dibromochloromethane	208.29	0.60	U	4.0	0.40
106-93-4	1,2-Dibromoethane	187.87	0.60	U	4.0	0.36
108-90-7	Chlorobenzene	112.56	0.60	U	4.0	0.36
100-41-4	Ethylbenzene	106.17	0.60	U	4.0	0.40
179601-23-1	m,p-Xylene	106.17	1.2	U	10	0.50
95-47-6	Xylene, o-	106.17	0.60	U	4.0	0.36
1330-20-7	Xylene (total)	106.17	1.8	U	14	0.82
100-42-5	Styrene	104.15	0.60	U	4.0	0.32
75-25-2	Bromoform	252.75	0.60	U Q	4.0	0.50
98-82-8	Cumene	120.19	0.60	U	4.0	0.38
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.6	U	4.0	0.68
103-65-1	n-Propylbenzene	120.19	0.60	U	4.0	0.54
622-96-8	4-Ethyltoluene	120.20	0.60	U	4.0	0.40
108-67-8	1,3,5-Trimethylbenzene	120.20	0.60	U	4.0	0.38
95-49-8	2-Chlorotoluene	126.59	1.6	U	4.0	0.62
98-06-6	tert-Butylbenzene	134.22	0.60	U	4.0	0.40
95-63-6	1,2,4-Trimethylbenzene	120.20	0.60	U	4.0	0.32
135-98-8	sec-Butylbenzene	134.22	0.60	U	4.0	0.42
99-87-6	4-Isopropyltoluene	134.22	0.60	U	4.0	0.40
541-73-1	1,3-Dichlorobenzene	147.00	0.60	U	4.0	0.40
106-46-7	1,4-Dichlorobenzene	147.00	0.60	U	4.0	0.38

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0301NA Lab Sample ID: 200-29580-5

Matrix: Air Lab File ID: 15679_012.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:20

Sample wt/vol: 20(mL) Date Analyzed: 09/10/2015 17:34

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.60	U	4.0	0.36
104-51-8	n-Butylbenzene	134.22	0.60	U	4.0	0.56
95-50-1	1,2-Dichlorobenzene	147.00	0.60	U	4.0	0.36
120-82-1	1,2,4-Trichlorobenzene	181.45	1.6	U	10	0.68
87-68-3	Hexachlorobutadiene	260.76	1.6	U	4.0	0.72
91-20-3	Naphthalene	128.17	1.6	U	10	0.60

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0301NA Lab Sample ID: 200-29580-5

Matrix: Air Lab File ID: 15679_012.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:20

Sample wt/vol: 20(mL) Date Analyzed: 09/10/2015 17:34

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	20	U	49	5.5
75-45-6	Freon 22	86.47	14	U	35	5.7
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11	U	28	7.3
74-87-3	Chloromethane	50.49	8.3	U	21	2.5
106-97-8	n-Butane	58.12	9.5	U	24	8.6
75-01-4	Vinyl chloride	62.50	1.5	U	10	1.3
106-99-0	1,3-Butadiene	54.09	3.5	U	8.8	1.6
74-83-9	Bromomethane	94.94	6.2	U	16	3.4
75-00-3	Chloroethane	64.52	4.2	U	26	3.2
593-60-2	Bromoethene(Vinyl Bromide)	106.96	2.6	U	17	1.7
75-69-4	Trichlorofluoromethane	137.37	13	J D M	22	5.1
76-13-1	Freon TF	187.38	12	U	31	6.3
75-35-4	1,1-Dichloroethene	96.94	2.4	U	16	0.79
67-64-1	Acetone	58.08	120	U	240	33
67-63-0	Isopropyl alcohol	60.10	8.9	J D	250	7.4
75-15-0	Carbon disulfide	76.14	5.0	U	31	1.9
107-05-1	3-Chloropropene	76.53	13	U	31	10
75-09-2	Methylene Chloride	84.93	14	U	35	8.3
75-65-0	tert-Butyl alcohol	74.12	12	U	300	7.3
1634-04-4	Methyl tert-butyl ether	88.15	2.2	U	14	1.6
156-60-5	trans-1,2-Dichloroethene	96.94	2.4	U	16	2.1
110-54-3	n-Hexane	86.17	2.1	U	14	2.0
75-34-3	1,1-Dichloroethane	98.96	2.4	U	16	2.3
78-93-3	Methyl Ethyl Ketone	72.11	12	U	29	5.4
156-59-2	cis-1,2-Dichloroethene	96.94	6.3	U	16	2.4
540-59-0	1,2-Dichloroethene, Total	96.94	6.3	U	32	4.2
67-66-3	Chloroform	119.38	7.8	U	20	3.7
109-99-9	Tetrahydrofuran	72.11	12	U	290	11
71-55-6	1,1,1-Trichloroethane	133.41	8.7	U	22	3.3
110-82-7	Cyclohexane	84.16	2.1	U	14	0.69
56-23-5	Carbon tetrachloride	153.81	380	D	25	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	2.8	U	19	2.1
71-43-2	Benzene	78.11	1.9	U	13	1.9
107-06-2	1,2-Dichloroethane	98.96	6.5	U	16	4.2

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0301NA Lab Sample ID: 200-29580-5

Matrix: Air Lab File ID: 15679_012.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:20

Sample wt/vol: 20(mL) Date Analyzed: 09/10/2015 17:34

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	6.6	U	16	3.0
79-01-6	Trichloroethene	131.39	3.2	U	21	3.2
80-62-6	Methyl methacrylate	100.12	16	U	41	7.9
78-87-5	1,2-Dichloropropane	112.99	7.4	U	18	3.2
123-91-1	1,4-Dioxane	88.11	14	U	360	12
75-27-4	Bromodichloromethane	163.83	4.0	U	27	3.9
10061-01-5	cis-1,3-Dichloropropene	110.97	2.7	U	18	2.6
108-10-1	methyl isobutyl ketone	100.16	16	U	41	15
108-88-3	Toluene	92.14	2.3	U	15	1.9
10061-02-6	trans-1,3-Dichloropropene	110.97	2.7	U	18	2.4
79-00-5	1,1,2-Trichloroethane	133.41	8.7	U	22	4.0
127-18-4	Tetrachloroethene	165.83	4.1	U	27	4.1
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	16	U	41	14
124-48-1	Dibromochloromethane	208.29	5.1	U	34	3.4
106-93-4	1,2-Dibromoethane	187.87	4.6	U	31	2.8
108-90-7	Chlorobenzene	112.56	2.8	U	18	1.7
100-41-4	Ethylbenzene	106.17	2.6	U	17	1.7
179601-23-1	m,p-Xylene	106.17	5.2	U	43	2.2
95-47-6	Xylene, o-	106.17	2.6	U	17	1.6
1330-20-7	Xylene (total)	106.17	7.8	U	61	3.6
100-42-5	Styrene	104.15	2.6	U	17	1.4
75-25-2	Bromoform	252.75	6.2	U Q	41	5.2
98-82-8	Cumene	120.19	2.9	U	20	1.9
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11	U	27	4.7
103-65-1	n-Propylbenzene	120.19	2.9	U	20	2.7
622-96-8	4-Ethyltoluene	120.20	2.9	U	20	2.0
108-67-8	1,3,5-Trimethylbenzene	120.20	2.9	U	20	1.9
95-49-8	2-Chlorotoluene	126.59	8.3	U	21	3.2
98-06-6	tert-Butylbenzene	134.22	3.3	U	22	2.2
95-63-6	1,2,4-Trimethylbenzene	120.20	2.9	U	20	1.6
135-98-8	sec-Butylbenzene	134.22	3.3	U	22	2.3
99-87-6	4-Isopropyltoluene	134.22	3.3	U	22	2.2
541-73-1	1,3-Dichlorobenzene	147.00	3.6	U	24	2.4
106-46-7	1,4-Dichlorobenzene	147.00	3.6	U	24	2.3

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774VMP0301NA Lab Sample ID: 200-29580-5

Matrix: Air Lab File ID: 15679_012.d

Analysis Method: TO-15 Date Collected: 08/31/2015 11:20

Sample wt/vol: 20(mL) Date Analyzed: 09/10/2015 17:34

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	3.1	U	21	1.9
104-51-8	n-Butylbenzene	134.22	3.3	U	22	3.1
95-50-1	1,2-Dichlorobenzene	147.00	3.6	U	24	2.2
120-82-1	1,2,4-Trichlorobenzene	181.45	12	U	74	5.0
87-68-3	Hexachlorobutadiene	260.76	17	U	43	7.7
91-20-3	Naphthalene	128.17	8.4	U	52	3.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_012.d
Lims ID: 200-29580-A-5 Lab Sample ID: 200-29580-5
Client ID: 774VMP0301NA
Sample Type: Client
Inject. Date: 10-Sep-2015 17:34:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Sample Info: 200-0015679-012
Misc. Info.: 29580-5
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:01:48 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:01:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.415				ND	
3 Chlorodifluoromethane	51		4.485				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50		4.998				ND	
6 Butane	43		5.282				ND	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.293	0.005	96	11058	0.1121	M
20 1,1,2-Trichloro-1,2,2-trif	101		8.593				ND	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.967	8.946	0.021	94	18424	0.5108	
23 Carbon disulfide	76		9.166				ND	
24 Isopropyl alcohol	45	9.251	9.224	0.027	94	5614	0.1801	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49		9.931				ND	
28 2-Methyl-2-propanol	59		10.123				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57		10.856				ND	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72		12.654				ND	
* 40 Chlorobromomethane	128	13.108	13.114	-0.006	71	278050	10.0	
41 Tetrahydrofuran	42		13.114				ND	
42 Chloroform	83		13.221				ND	
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.777	13.788	-0.011	27	240035	3.06	
46 Isooctane	57		14.189				ND	
47 Benzene	78		14.259				ND	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1282700	10.0	
53 Trichloroethene	95		15.484				ND	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43		17.629				ND	
65 Toluene	92		17.960				ND	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43		19.266				ND	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106		20.100				ND	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1199744	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91		20.903				ND	
78 m-Xylene & p-Xylene	106		21.111				ND	
79 o-Xylene	106		21.807				ND	
80 Styrene	104		21.839				ND	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105		22.353				ND	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91		22.979				ND	
88 4-Ethyltoluene	105		23.144				ND	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105		23.235				ND	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105		23.818				ND	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119		24.268				ND	
96 1,3-Dichlorobenzene	146		24.337				ND	
97 1,4-Dichlorobenzene	146		24.487				ND	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128		28.772				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

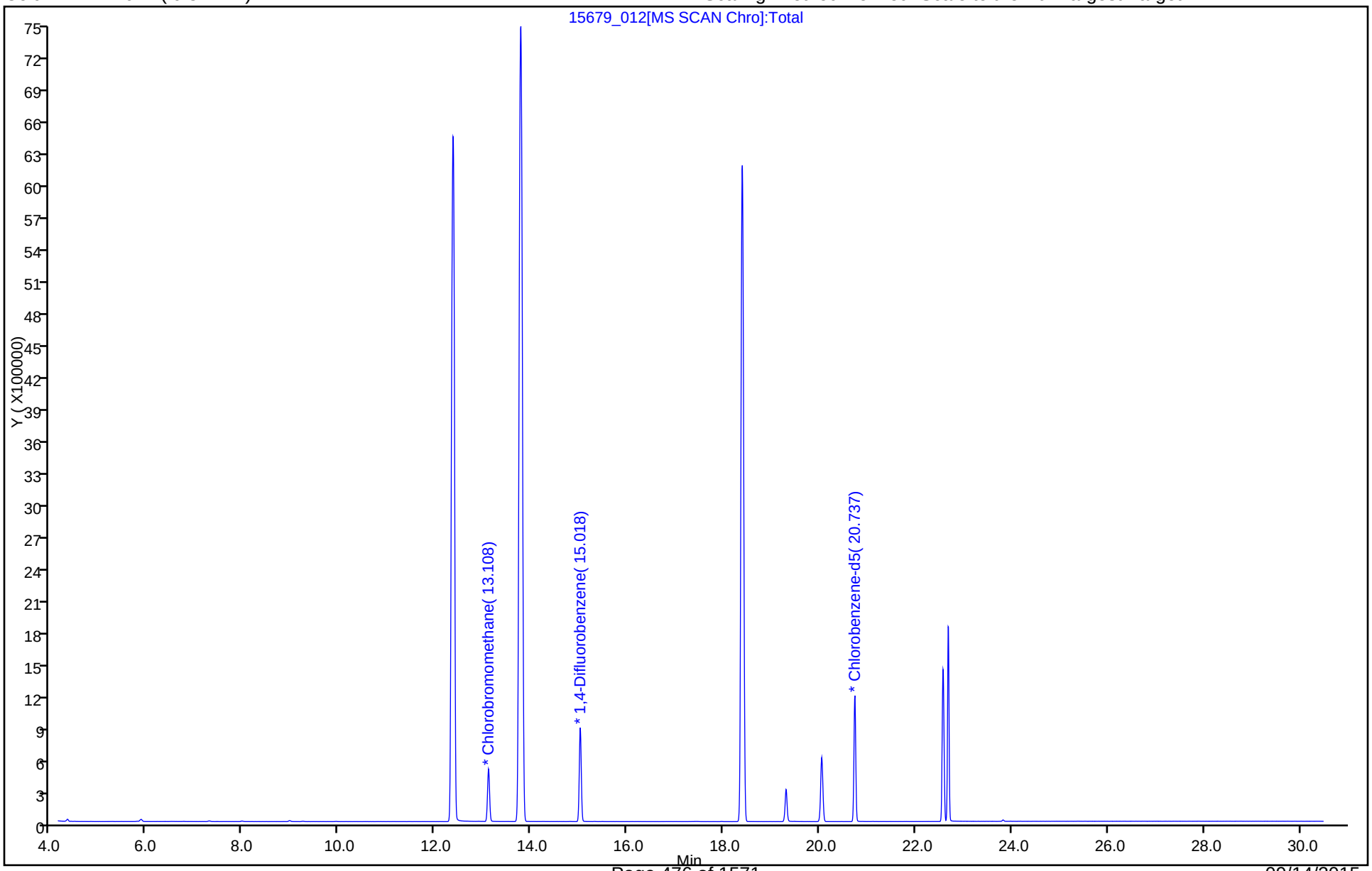
Report Date: 11-Sep-2015 11:01:48 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_012.d

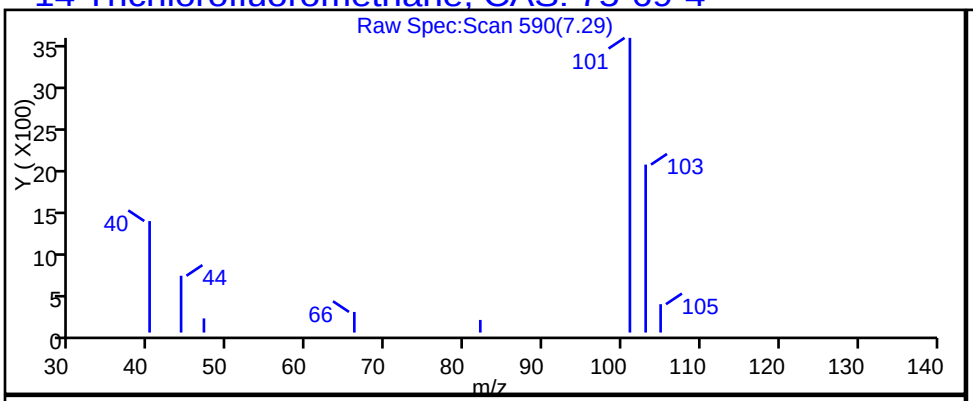
Injection Date:	10-Sep-2015 17:34:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-5	Lab Sample ID:	200-29580-5	Worklist Smp#:	12
Client ID:	774VMP0301NA				
Purge Vol:	200.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	11
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

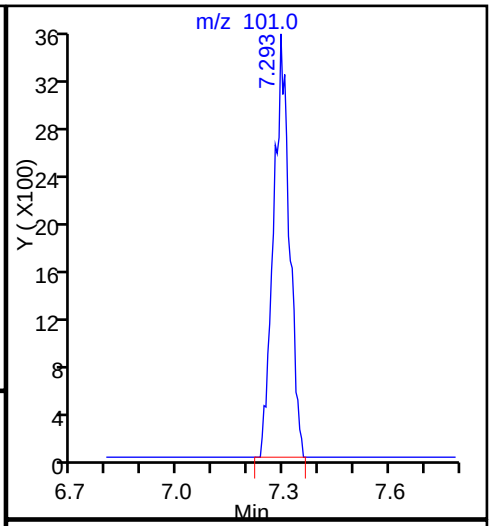
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

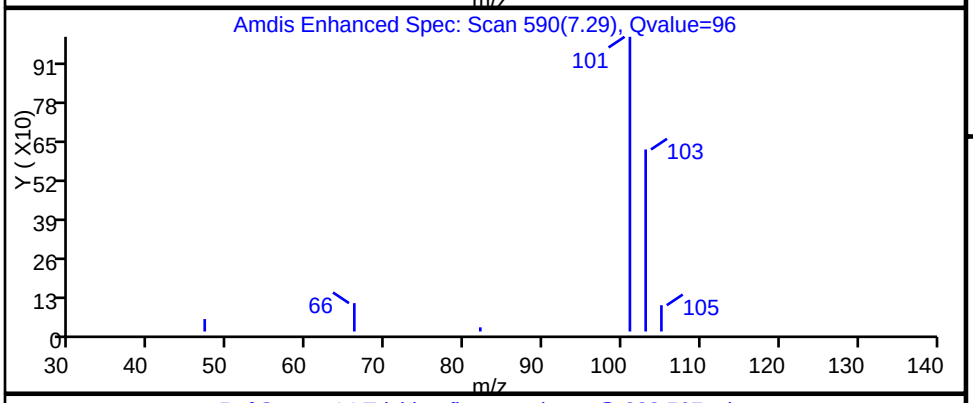


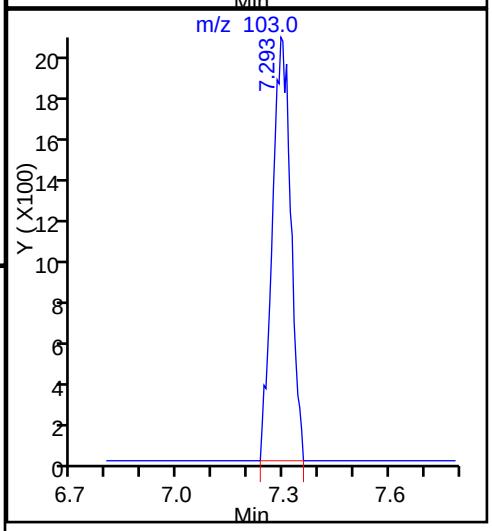
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_012.d
Injection Date: 10-Sep-2015 17:34:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-5 Lab Sample ID: 200-29580-5
Client ID: 774VMP0301NA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

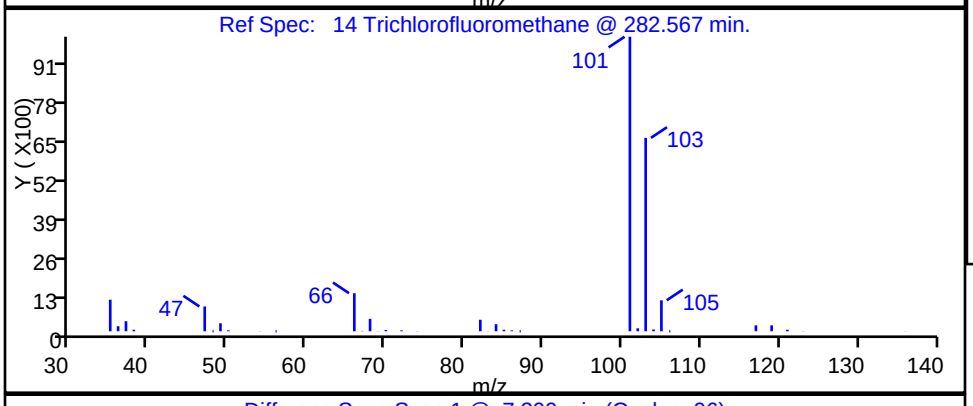
14 Trichlorofluoromethane, CAS: 75-69-4

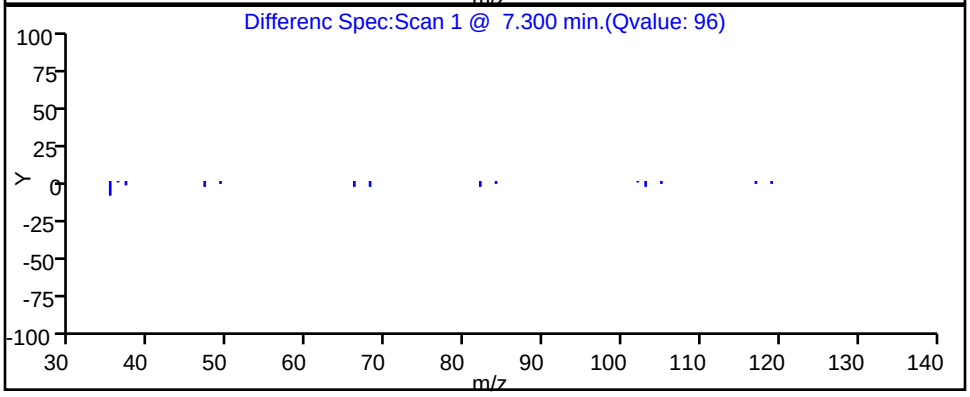








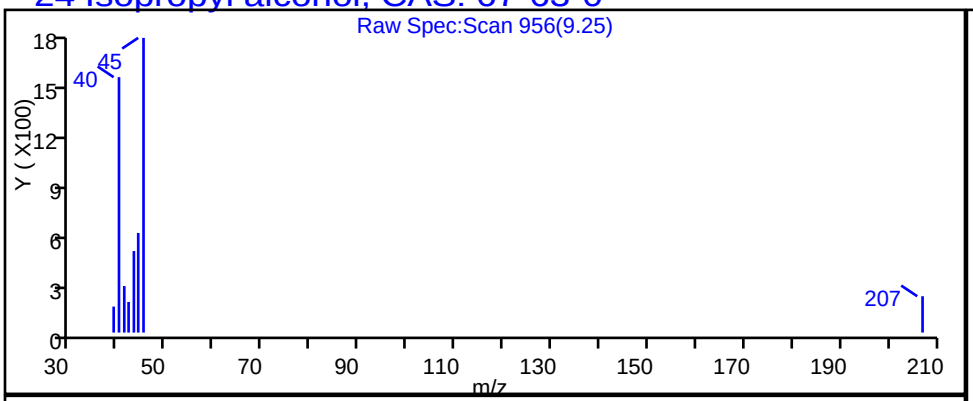


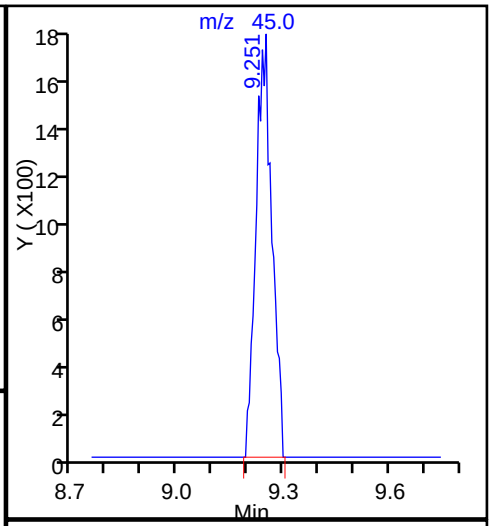


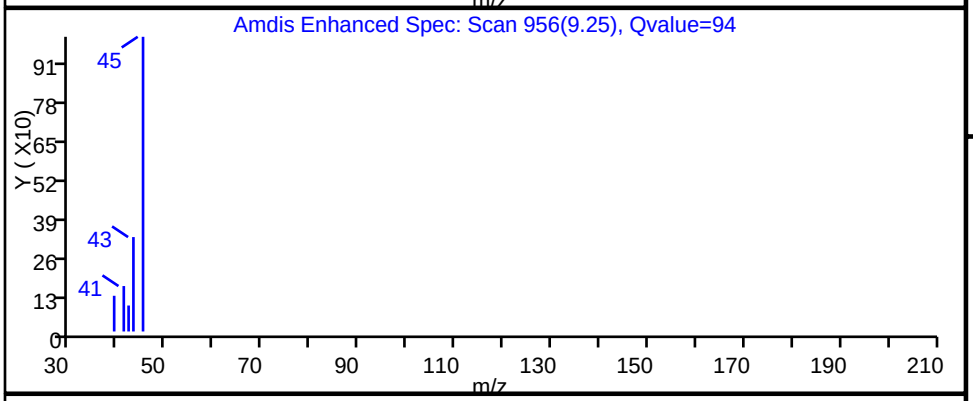
TestAmerica Burlington

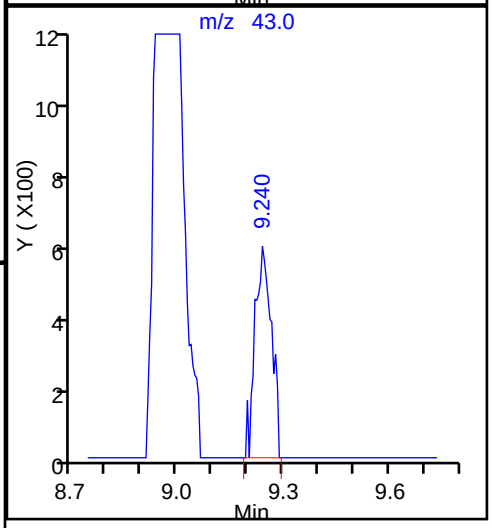
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_012.d				
Injection Date:	10-Sep-2015 17:34:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-5	Lab Sample ID:	200-29580-5		
Client ID:	774VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	20.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

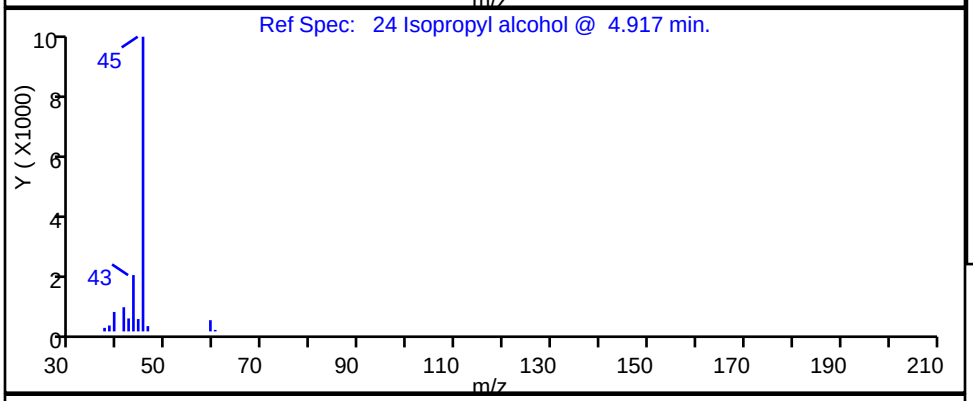
24 Isopropyl alcohol, CAS: 67-63-0

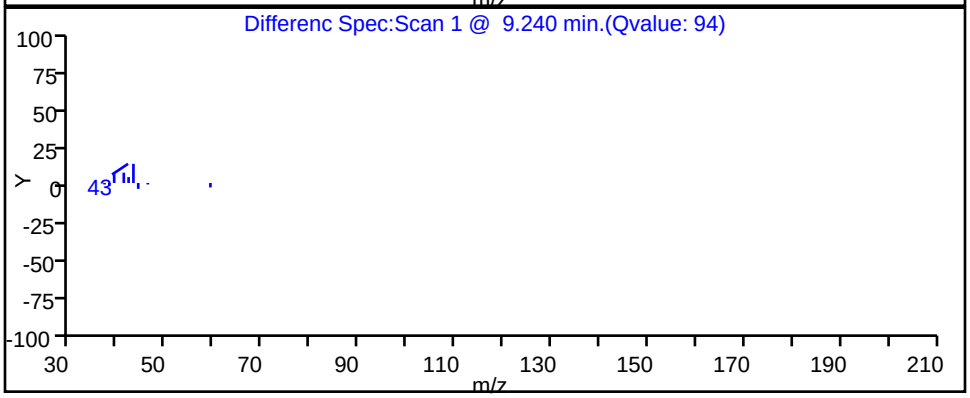






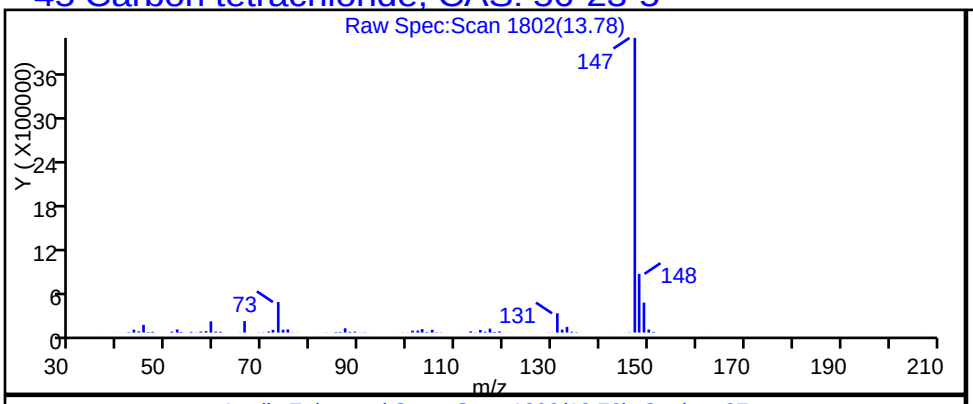


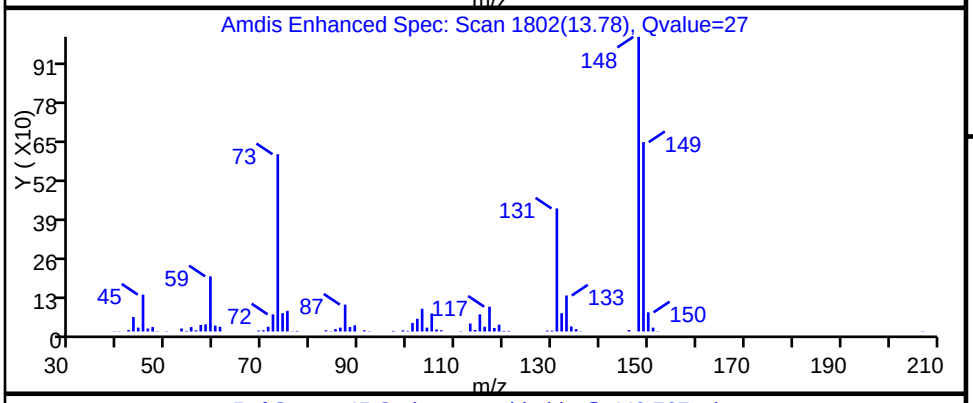


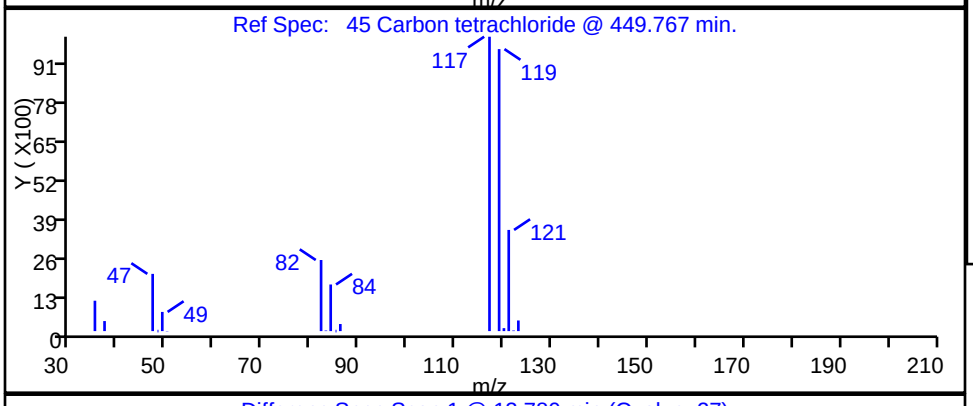


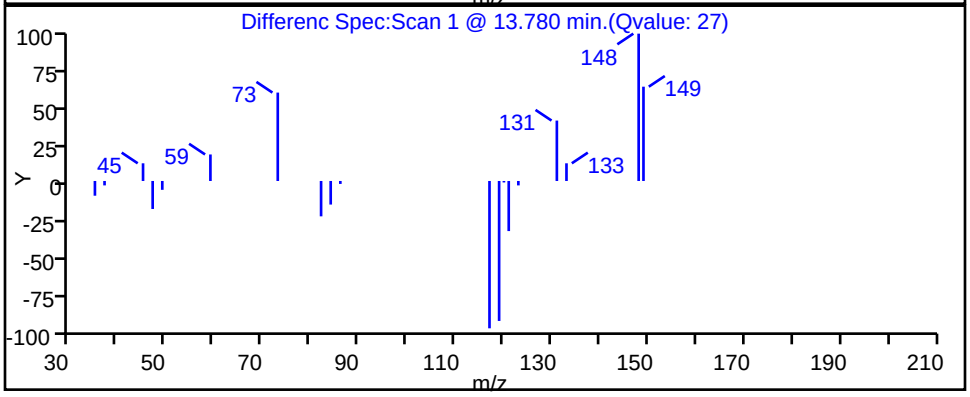
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_012.d
Injection Date: 10-Sep-2015 17:34:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-5 Lab Sample ID: 200-29580-5
Client ID: 774VMP0301NA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 20.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

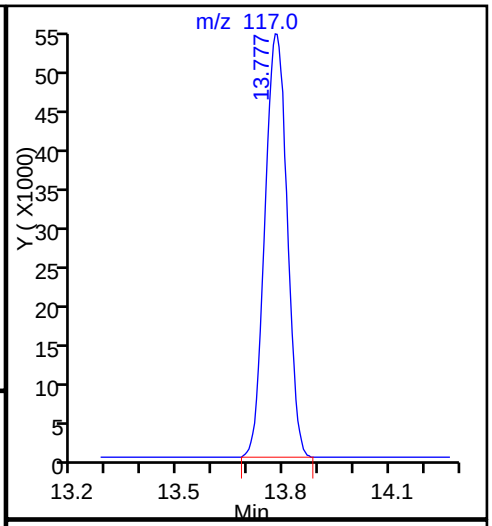
45 Carbon tetrachloride, CAS: 56-23-5

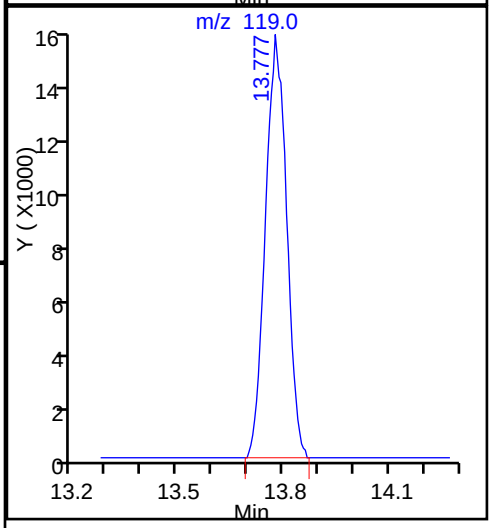












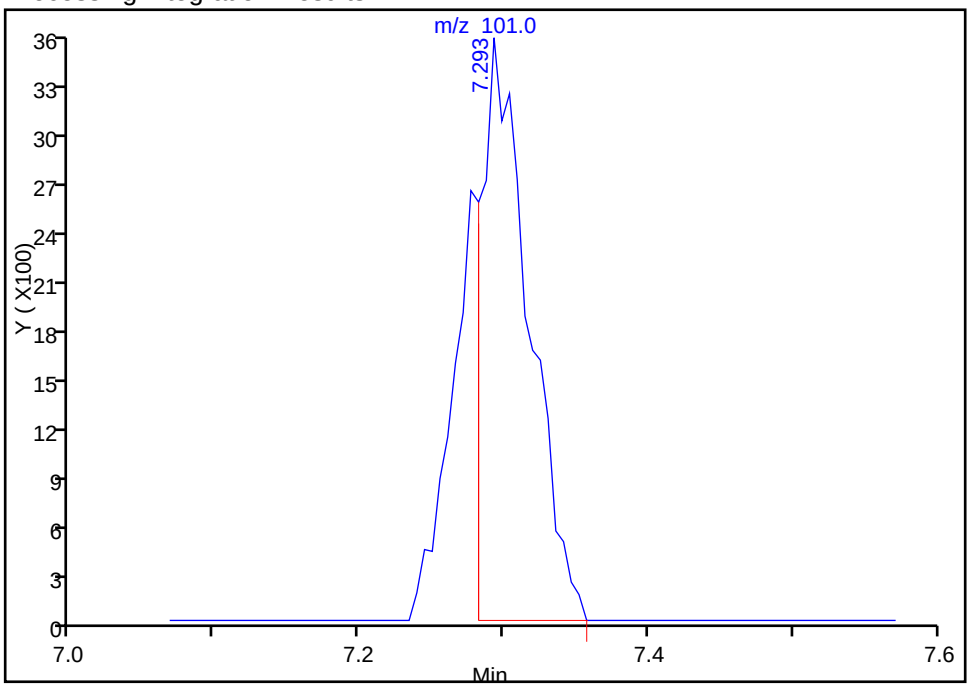
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_012.d				
Injection Date:	10-Sep-2015 17:34:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-5	Lab Sample ID:	200-29580-5		
Client ID:	774VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	20.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 Trichlorofluoromethane, CAS: 75-69-4

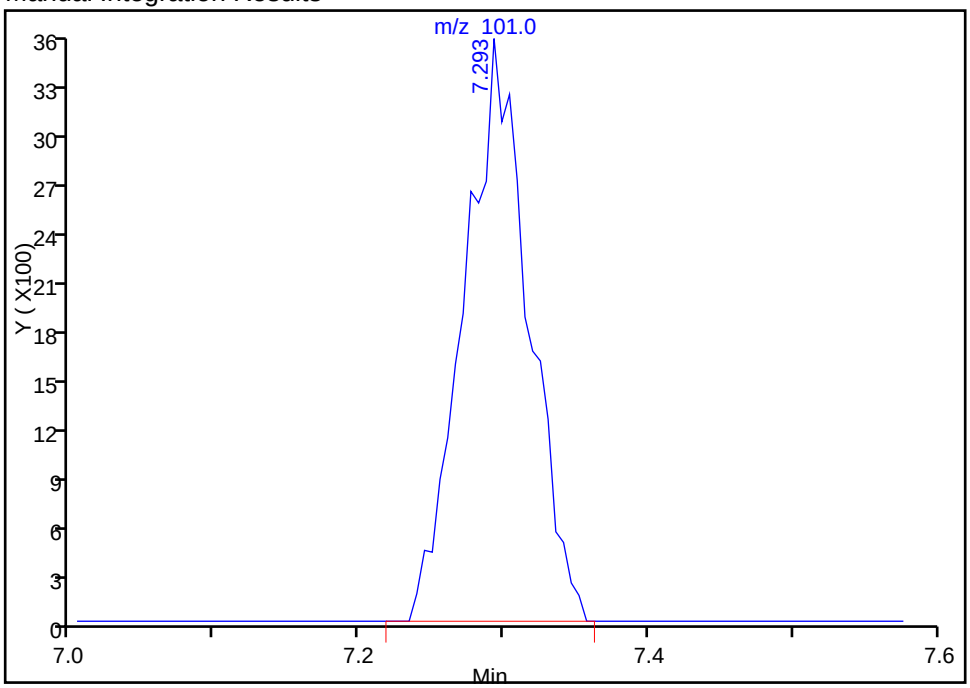
Processing Integration Results

RT: 7.29
Area: 8153
Amount: 0.082623
Amount Units: ppb v/v



Manual Integration Results

RT: 7.29
Area: 11058
Amount: 0.112063
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:01:48
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NC Lab Sample ID: 200-29580-6

Matrix: Air Lab File ID: 15679_013.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 18:25

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.55		0.50	0.056
75-45-6	Freon 22	86.47	0.57		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.13	J	0.50	0.060
106-97-8	n-Butane	58.12	0.99		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.27		0.20	0.045
76-13-1	Freon TF	187.38	0.13	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	14		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	14		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.22	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.16	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.48	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.19	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.4		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.094	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.17	J	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.11	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.11	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NC Lab Sample ID: 200-29580-6

Matrix: Air Lab File ID: 15679_013.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 18:25

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.078	J	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.24	J	0.50	0.18
108-88-3	Toluene	92.14	0.94		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	1.6		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.5		0.50	0.025
95-47-6	Xylene, o-	106.17	0.58		0.20	0.018
1330-20-7	Xylene (total)	106.17	2.1		0.70	0.041
100-42-5	Styrene	104.15	0.15	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.13	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.11	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.11	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.11	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.42		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.054	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.16	J	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NC Lab Sample ID: 200-29580-6

Matrix: Air Lab File ID: 15679_013.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 18:25

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.15	J	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NC | Lab Sample ID: 200-29580-6

Matrix: Air | Lab File ID: 15679_013.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 18:25

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5	0.28
75-45-6	Freon 22	86.47	2.0		1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.27	J	1.0	0.12
106-97-8	n-Butane	58.12	2.3		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.5		1.1	0.25
76-13-1	Freon TF	187.38	0.98	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	33		12	1.6
67-63-0	Isopropyl alcohol	60.10	34		12	0.37
75-15-0	Carbon disulfide	76.14	0.70	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.56	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	1.4	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.68	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	4.0		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.46	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.57	J	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.69	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.35	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NC | Lab Sample ID: 200-29580-6

Matrix: Air | Lab File ID: 15679_013.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 18:25

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.42	J	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.99	J	2.0	0.74
108-88-3	Toluene	92.14	3.5		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	6.8		0.87	0.087
179601-23-1	m,p-Xylene	106.17	6.7		2.2	0.11
95-47-6	Xylene, o-	106.17	2.5		0.87	0.078
1330-20-7	Xylene (total)	106.17	9.0		3.0	0.18
100-42-5	Styrene	104.15	0.62	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.64	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.52	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.57	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.54	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.29	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.96	J	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NC Lab Sample ID: 200-29580-6

Matrix: Air Lab File ID: 15679_013.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 18:25

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.76	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Sample Type: Client
Inject. Date: 10-Sep-2015 18:25:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-013
Misc. Info.: 29580-6
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:03:42 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:03:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.415	4.415	0.000	98	40445	0.5472	
3 Chlorodifluoromethane	51	4.490	4.485	0.005	96	18898	0.5679	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.993	4.998	-0.005	94	2501	0.1304	
6 Butane	43	5.276	5.282	-0.006	98	27569	0.9859	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.298	7.288	0.010	98	21776	0.2675	
20 1,1,2-Trichloro-1,2,2-trif	101	8.609	8.593	0.016	94	7824	0.1277	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.946	8.946	0.000	96	417754	14.0	
23 Carbon disulfide	76	9.160	9.166	-0.006	53	15968	0.2239	
24 Isopropyl alcohol	45	9.230	9.224	0.006	100	351148	13.7	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.936	9.931	0.005	81	3752	0.1620	
28 2-Methyl-2-propanol	59	10.128	10.123	0.005	97	19444	0.4769	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.851	10.856	-0.005	88	7214	0.1926	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.659	12.654	0.005	99	20623	1.37	
* 40 Chlorobromomethane	128	13.113	13.114	-0.001	72	229404	10.0	
41 Tetrahydrofuran	42	13.124	13.114	0.010	30	2546	0.1190	
42 Chloroform	83	13.215	13.221	-0.006	94	5705	0.0943	
43 Cyclohexane	84	13.520	13.515	0.005	93	6947	0.1666	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.788	13.788	0.000	91	7185	0.1096	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.253	14.259	-0.005	92	10112	0.1098	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1070419	10.0	
53 Trichloroethene	95	15.473	15.484	-0.011	90	3380	0.0781	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.629	17.629	0.000	96	11516	0.2422	
65 Toluene	92	17.966	17.960	0.006	93	72126	0.9380	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43	19.276	19.266	0.010	97	6819	0.1384	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		2.13	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1066377	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.903	20.903	0.000	97	262710	1.57	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	99	106974	1.55	
79 o-Xylene	106	21.801	21.807	-0.006	98	41428	0.5802	
80 Styrene	104	21.839	21.839	0.000	92	15968	0.1461	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.358	22.353	0.005	94	26353	0.1295	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.978	22.979	-0.001	100	24735	0.1055	
88 4-Ethyltoluene	105	23.144	23.144	0.000	98	23993	0.1150	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	95	19525	0.1098	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	74668	0.4161	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	96	12162	0.0537	
96 1,3-Dichlorobenzene	146	24.337	24.337	0.000	93	22214	0.1600	
97 1,4-Dichlorobenzene	146	24.487	24.487	0.000	83	2423	0.0175	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.772	28.772	0.000	99	31601	0.1453	

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

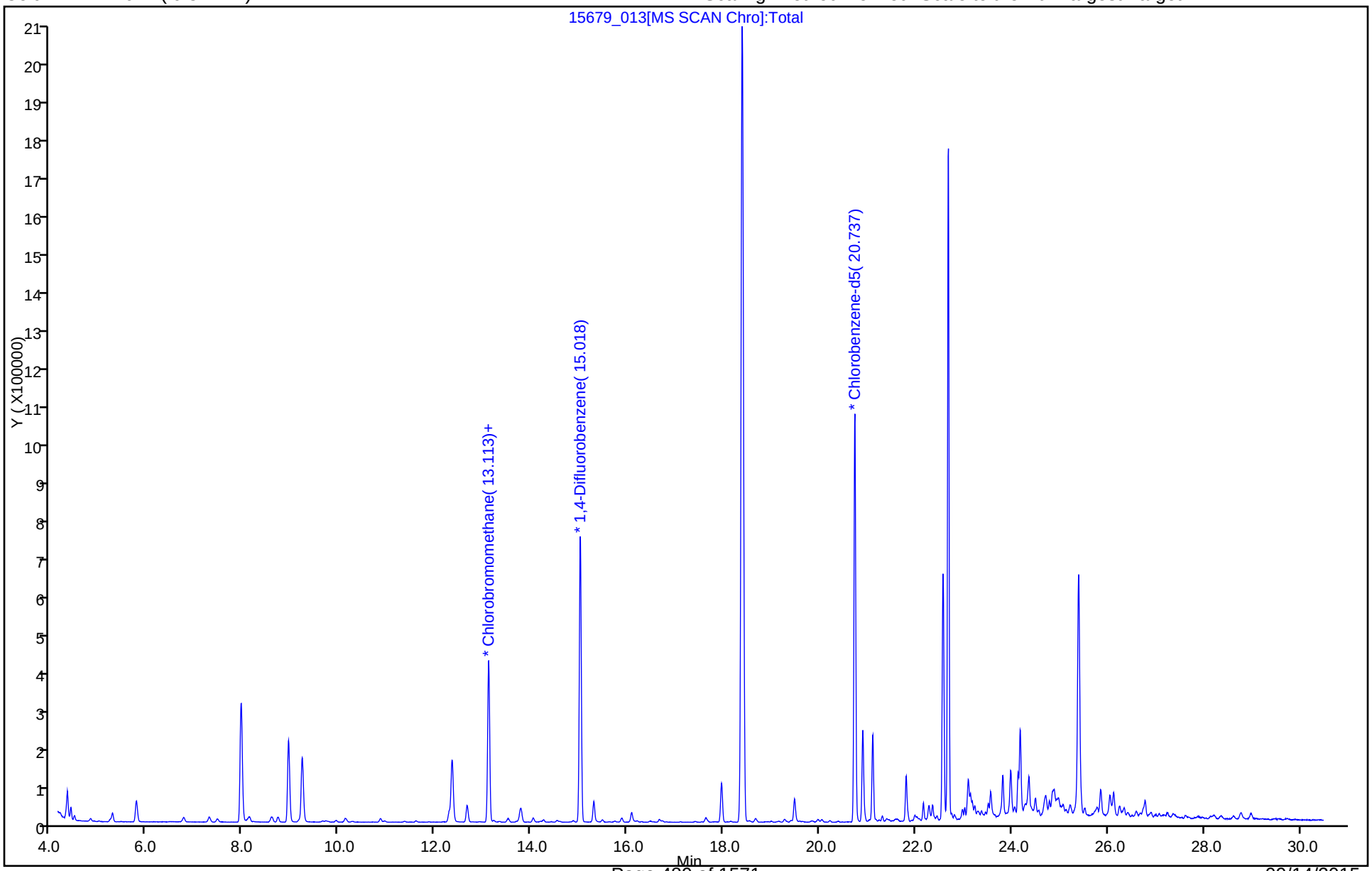
Report Date: 11-Sep-2015 11:03:42 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d

Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6	Worklist Smp#:	13
Client ID:	776VMP0201NC				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

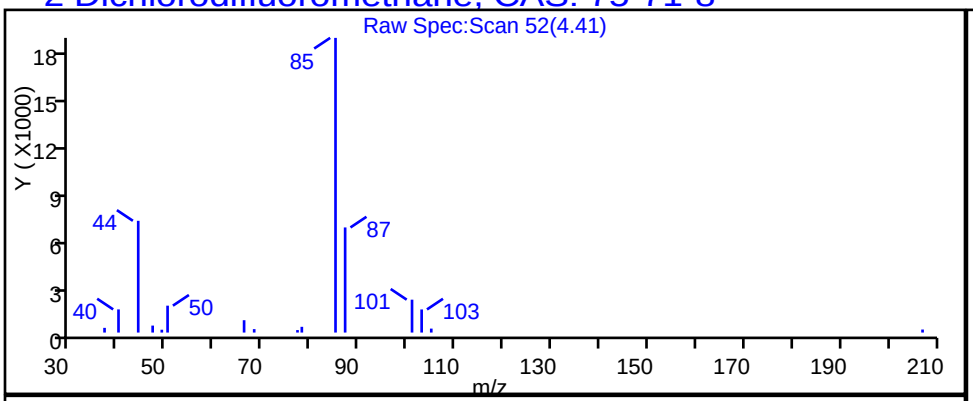
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

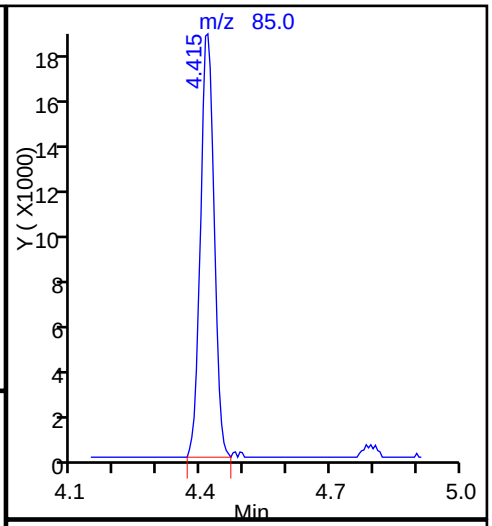


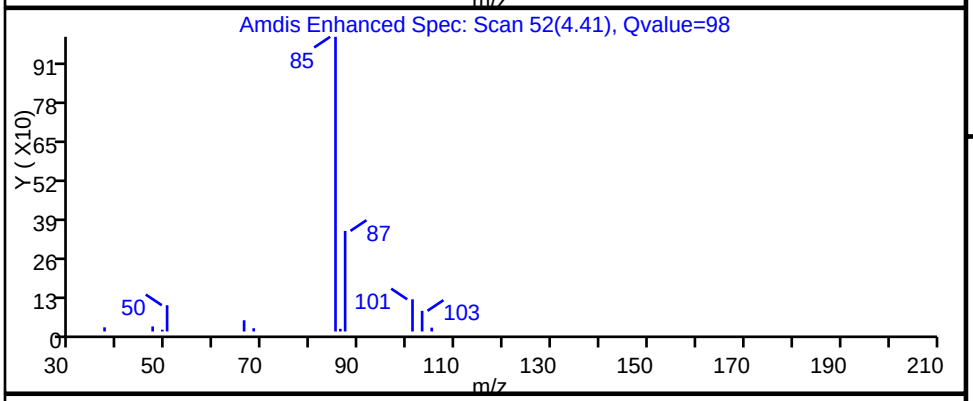
TestAmerica Burlington

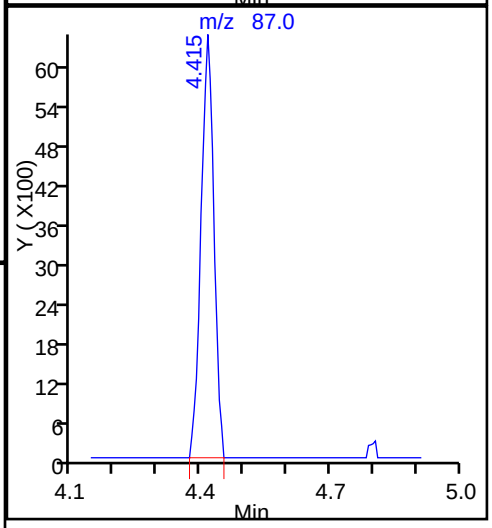
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

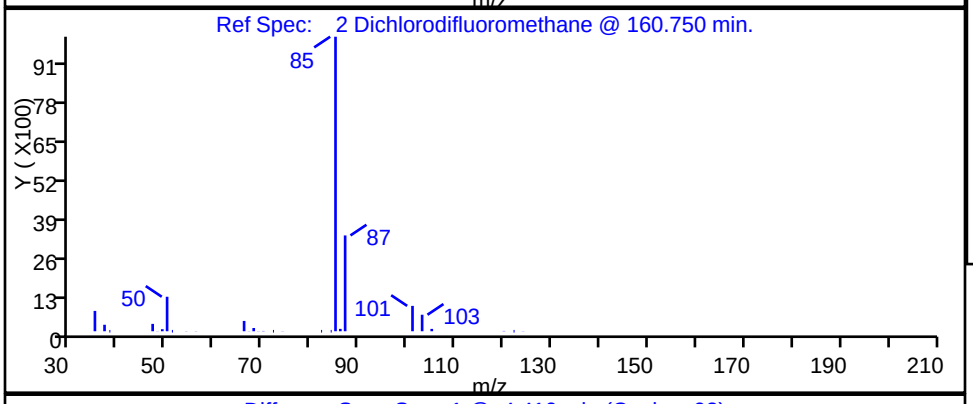
2 Dichlorodifluoromethane, CAS: 75-71-8

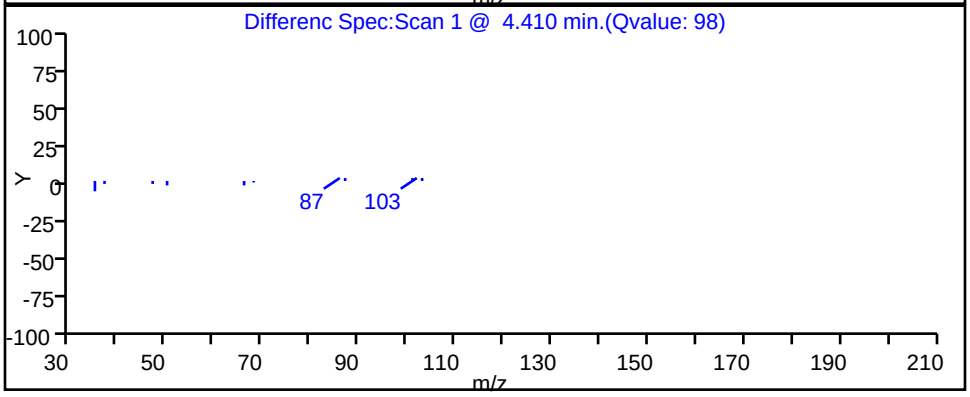






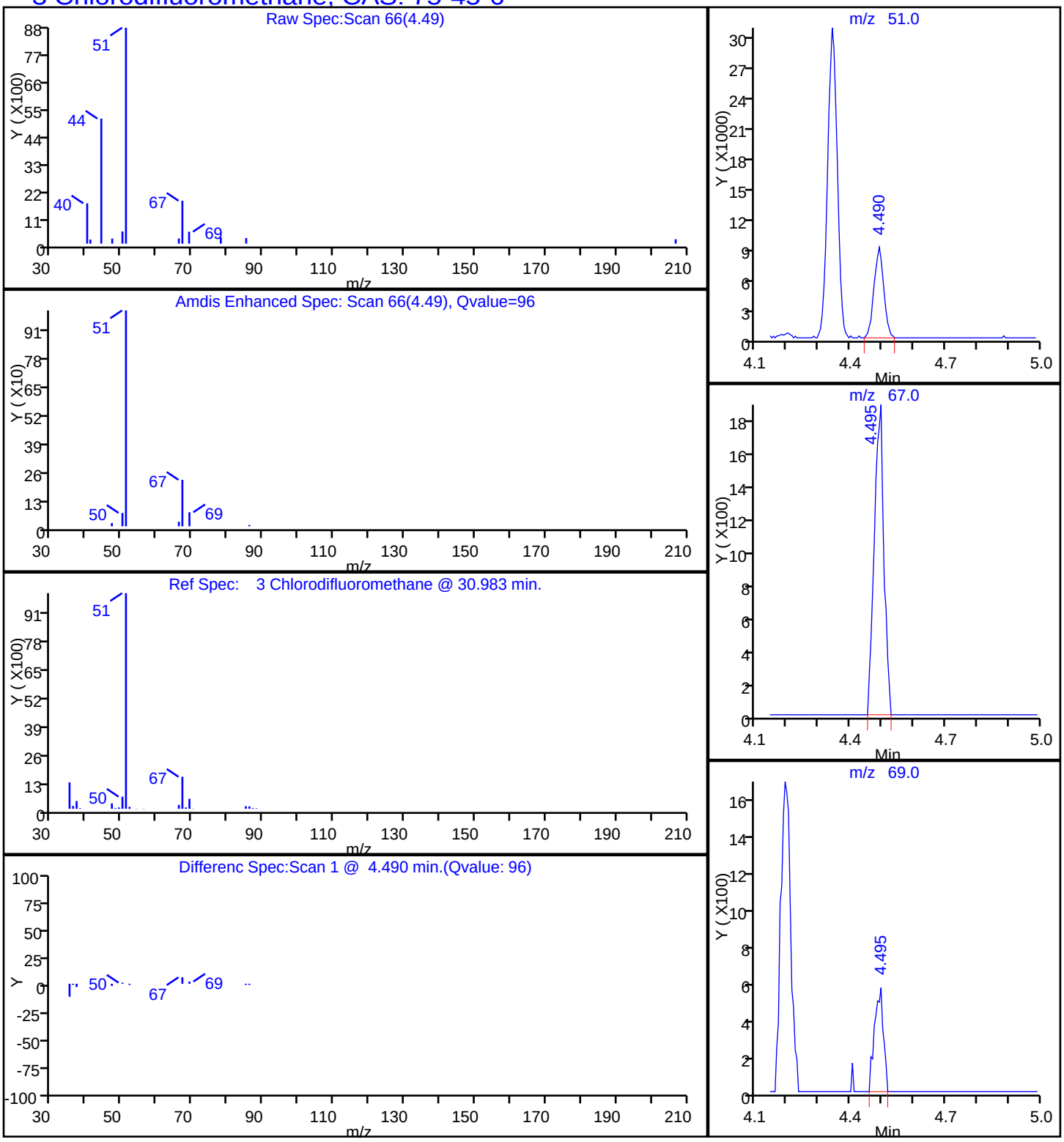






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

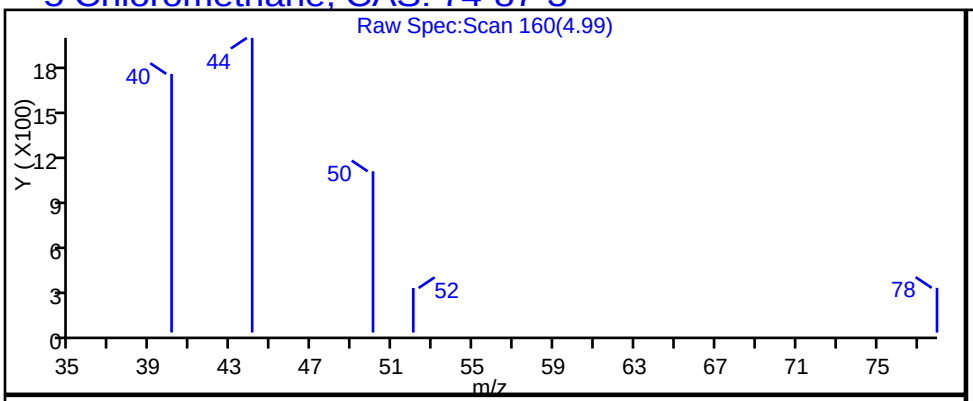


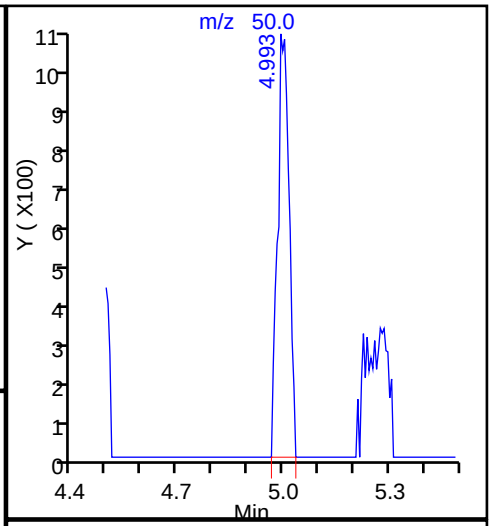
TestAmerica Burlington

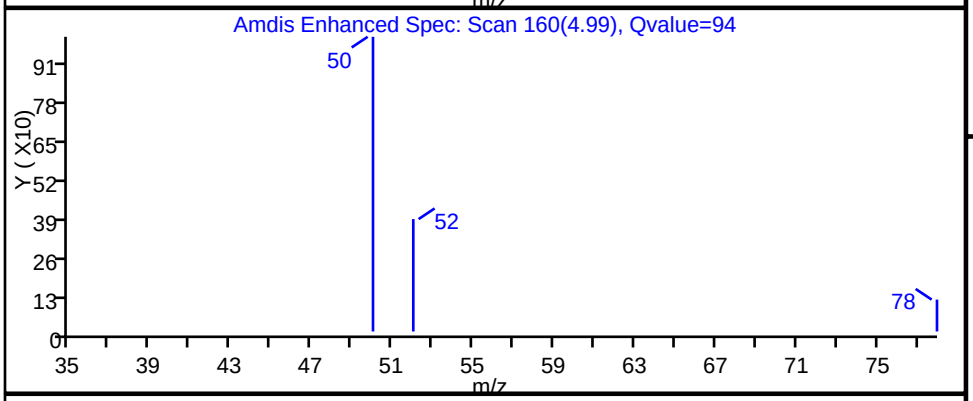
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d

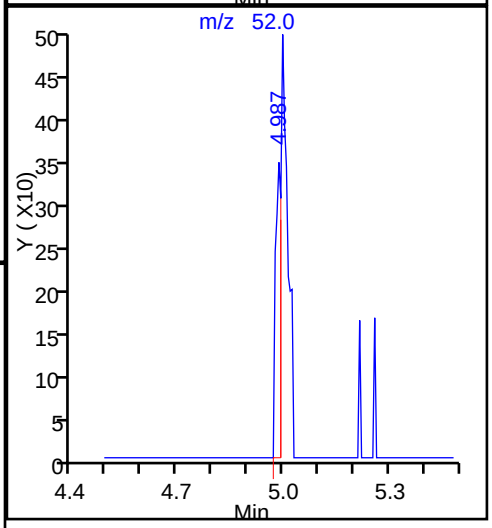
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

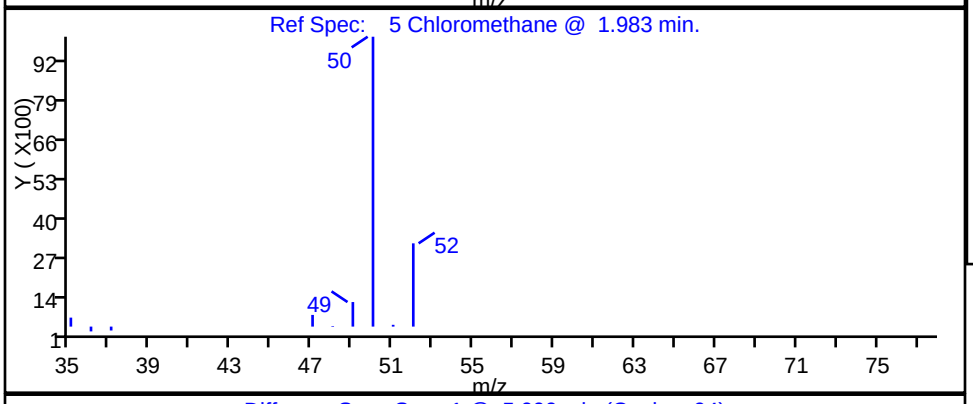
5 Chloromethane, CAS: 74-87-3

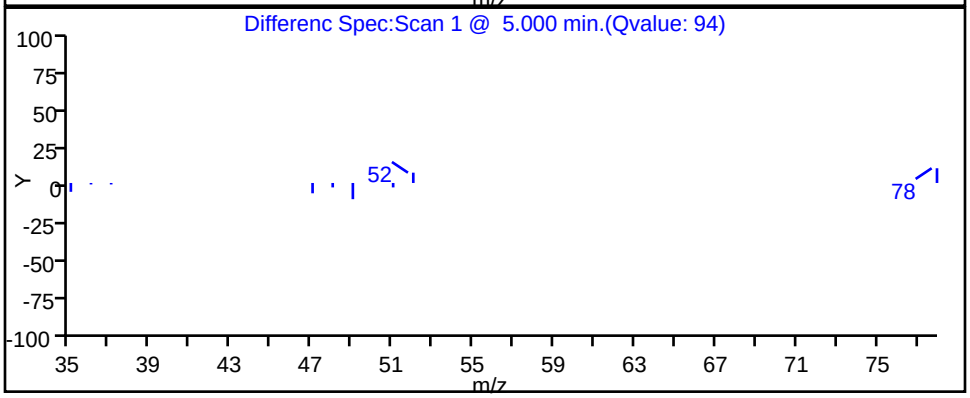








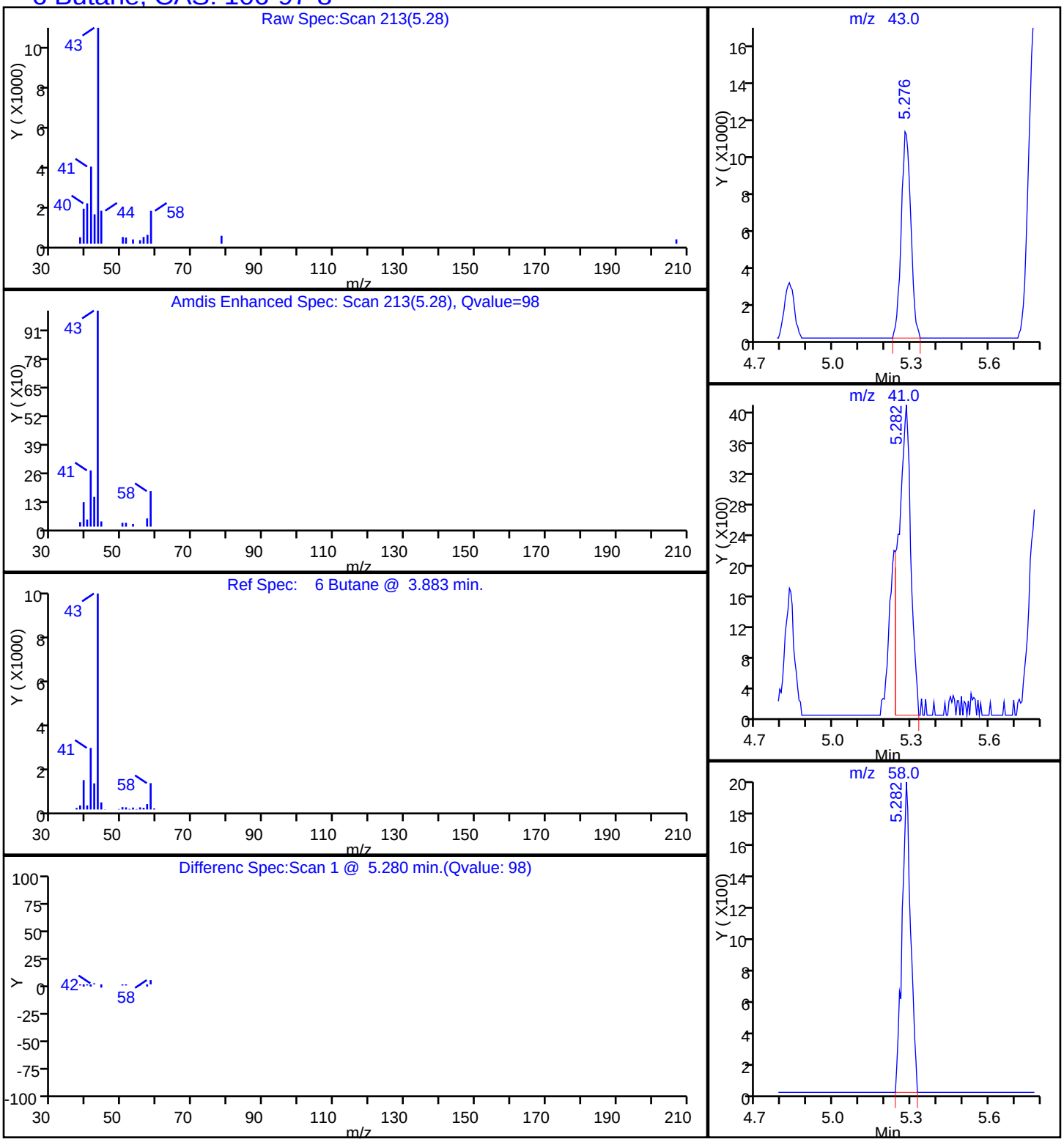




TestAmerica Burlington

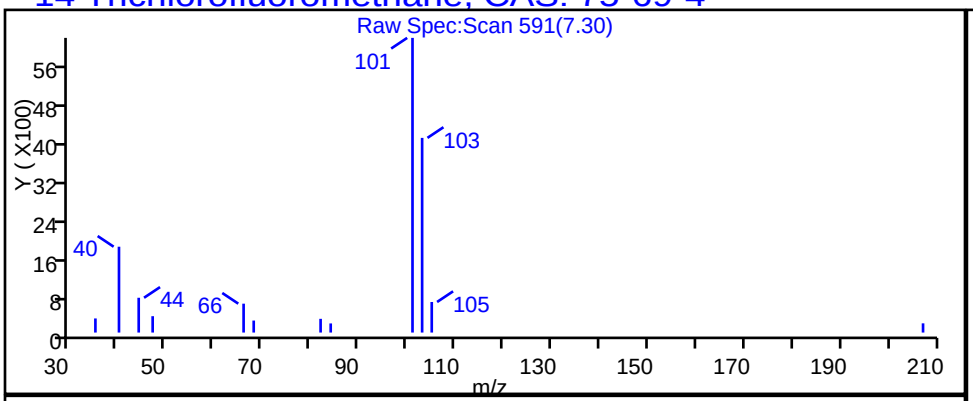
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

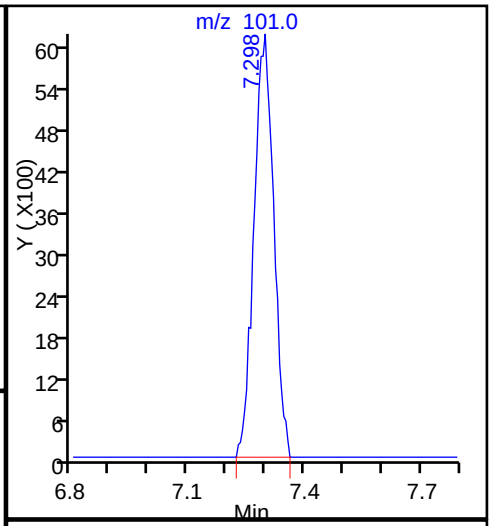
6 Butane, CAS: 106-97-8

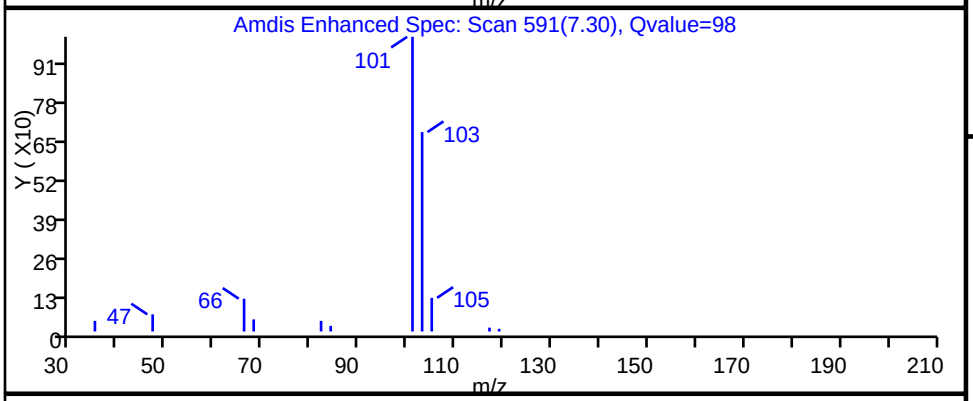


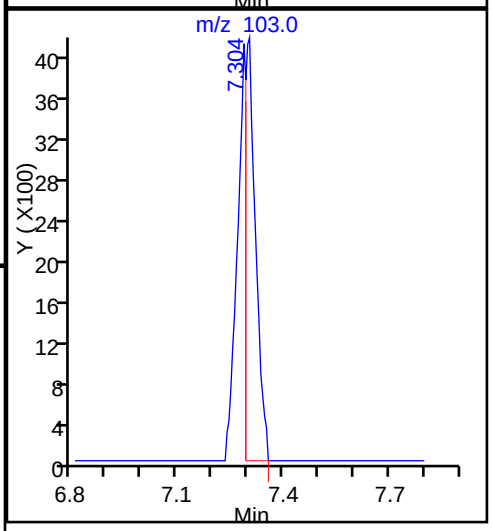
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

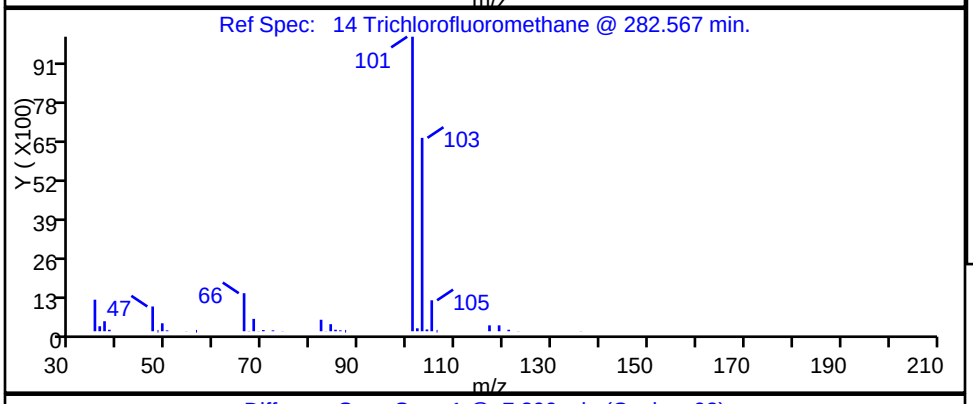
14 Trichlorofluoromethane, CAS: 75-69-4

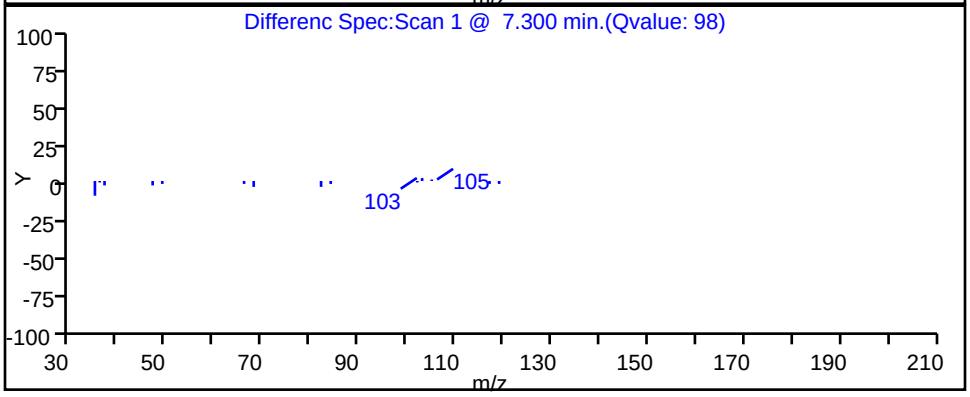








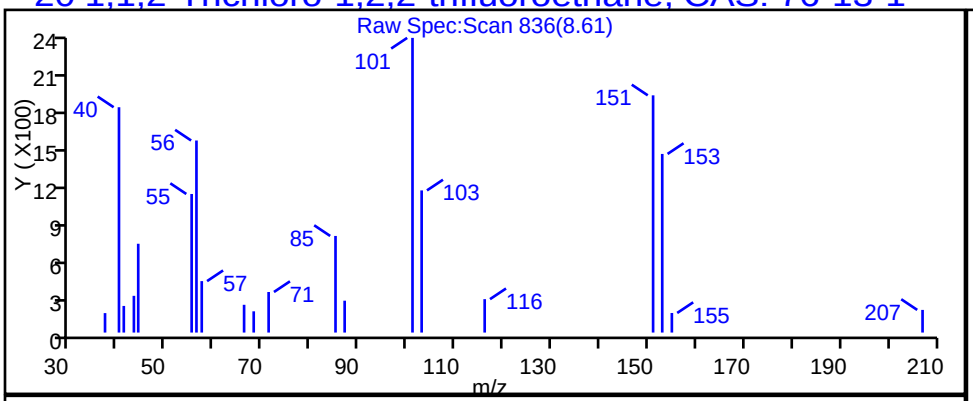


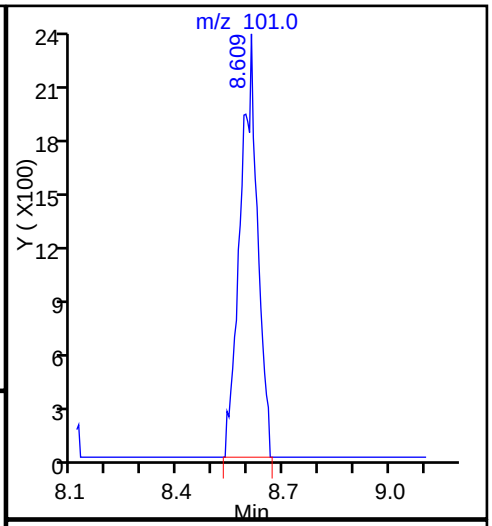


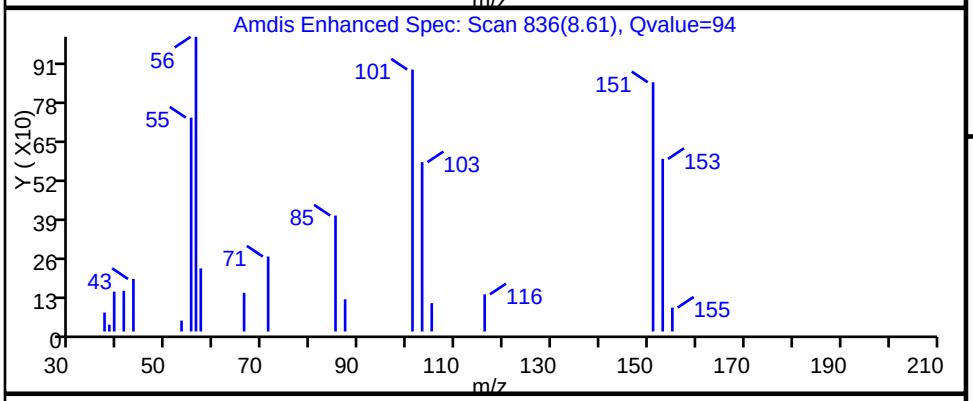
TestAmerica Burlington

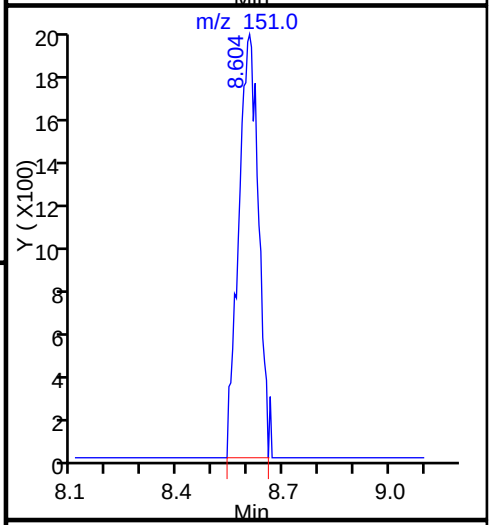
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

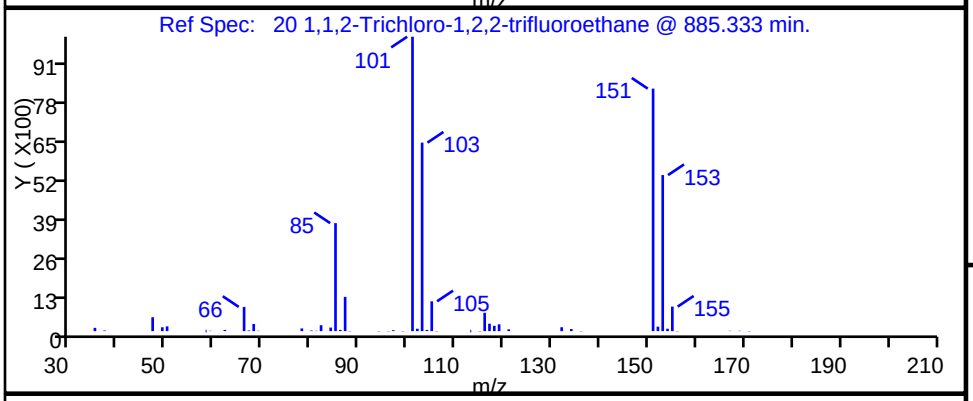
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

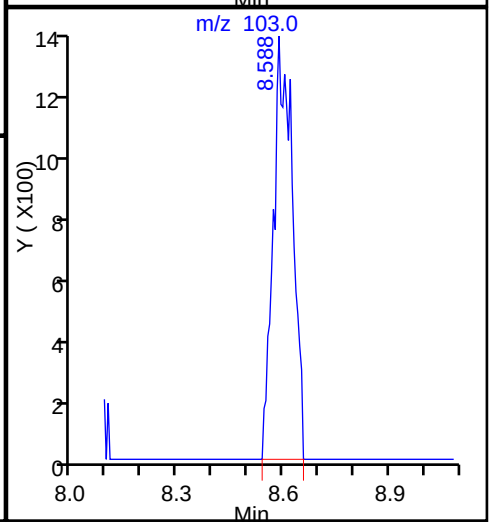


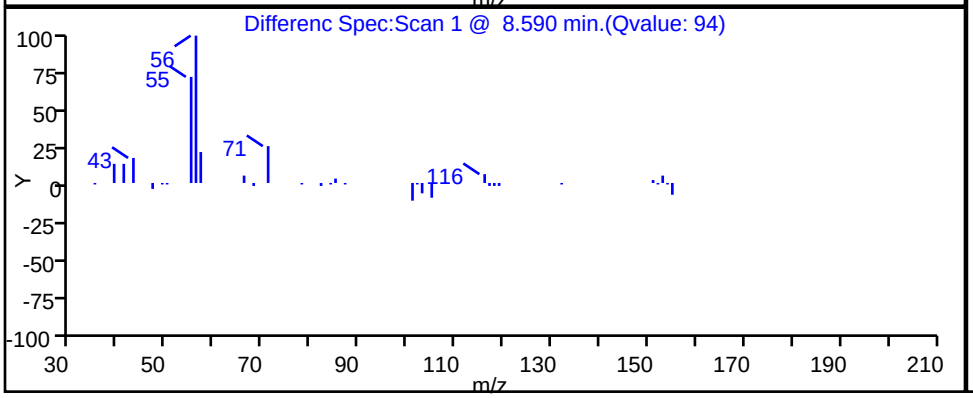






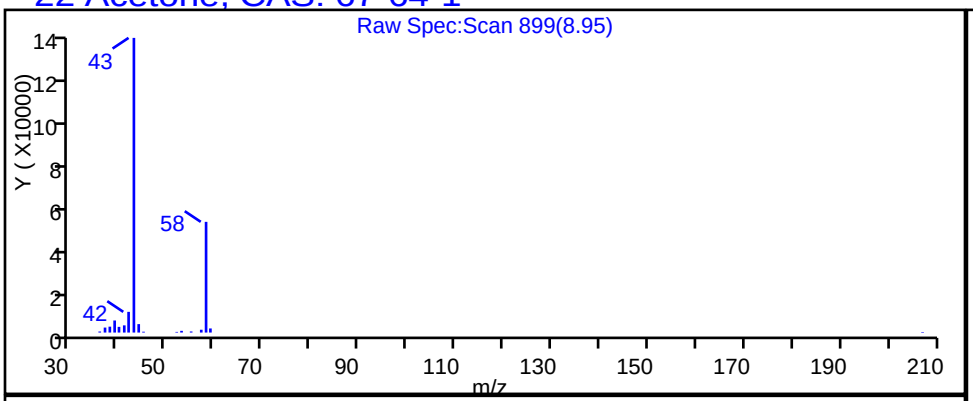


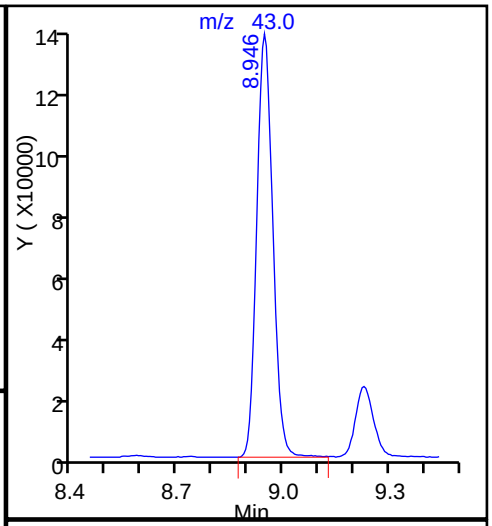


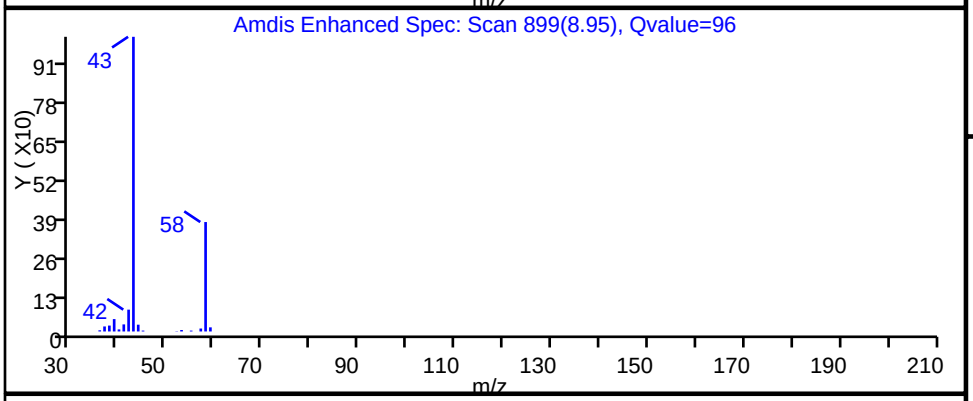


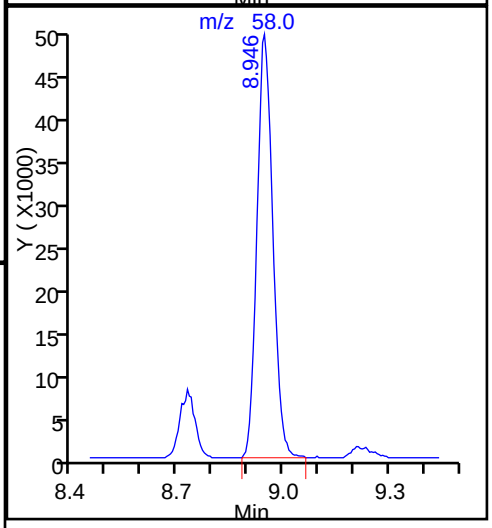
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

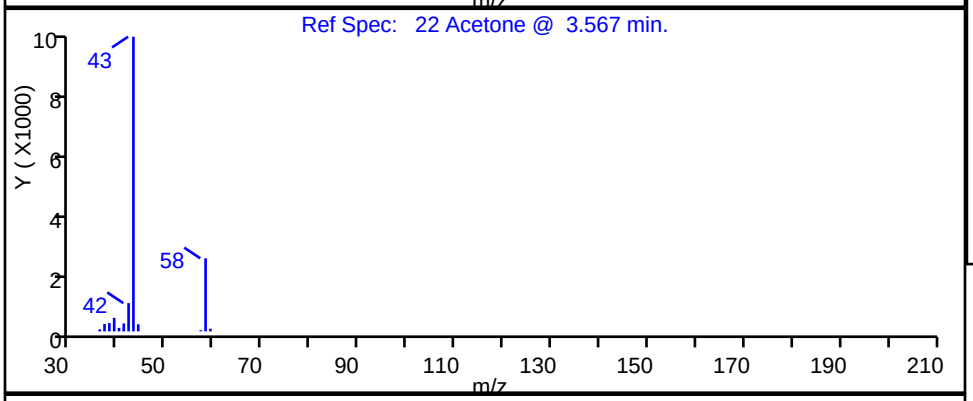
22 Acetone, CAS: 67-64-1

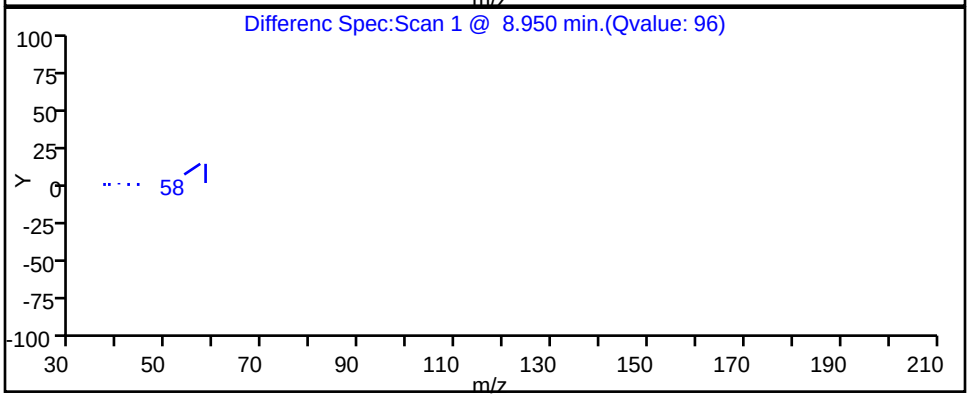






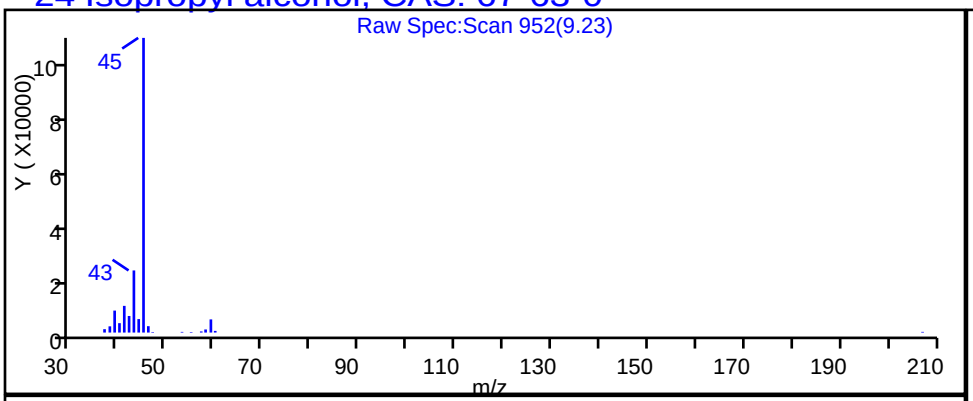


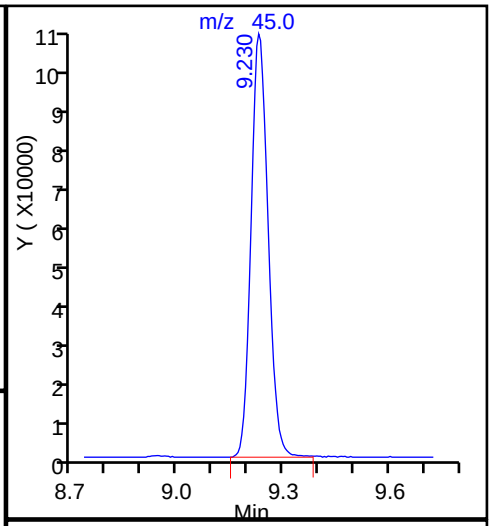


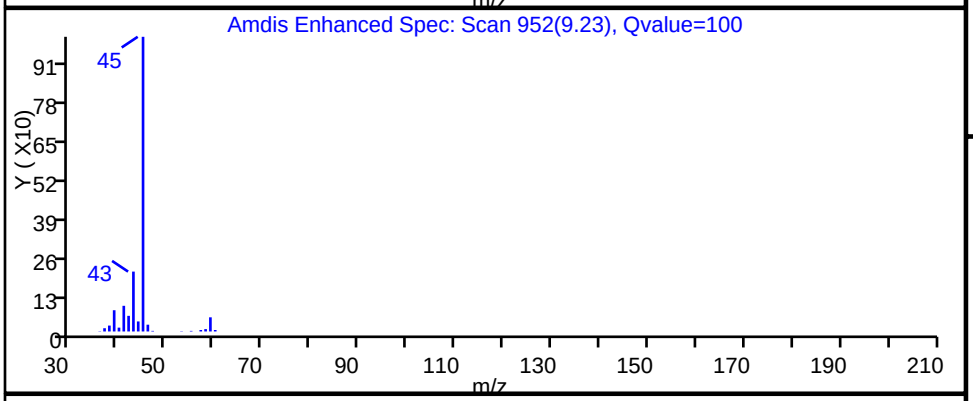


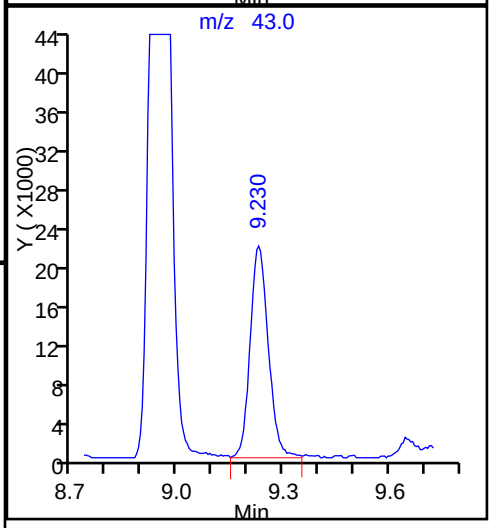
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

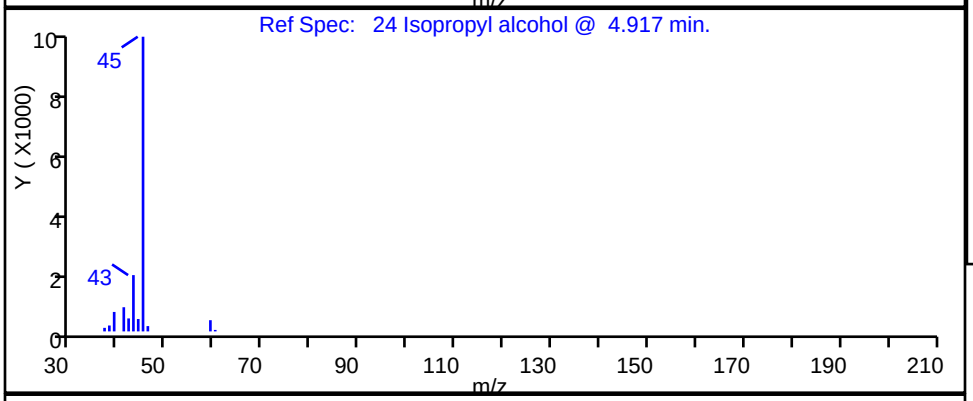
24 Isopropyl alcohol, CAS: 67-63-0

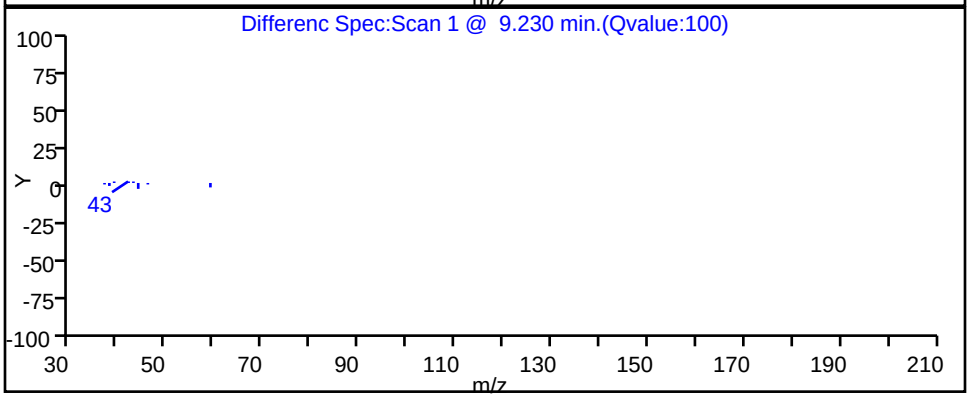








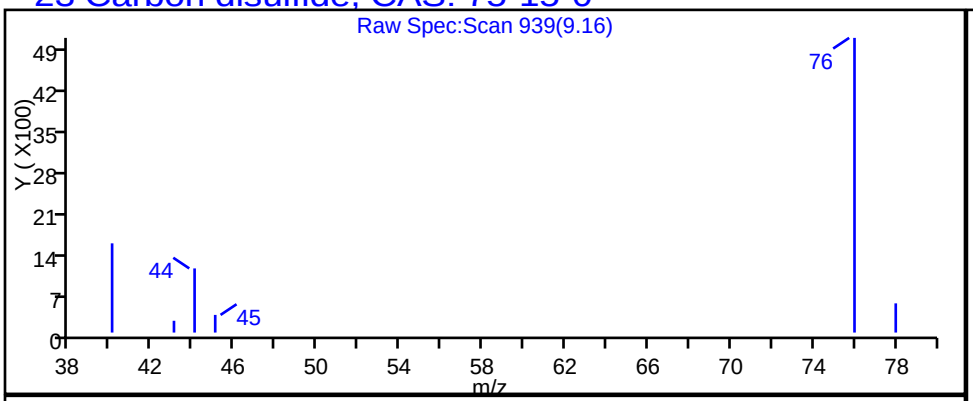


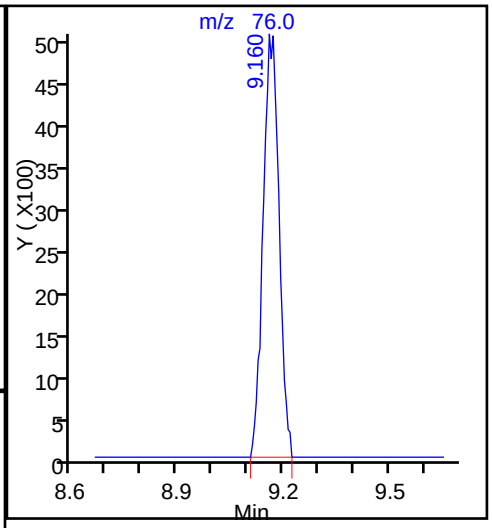


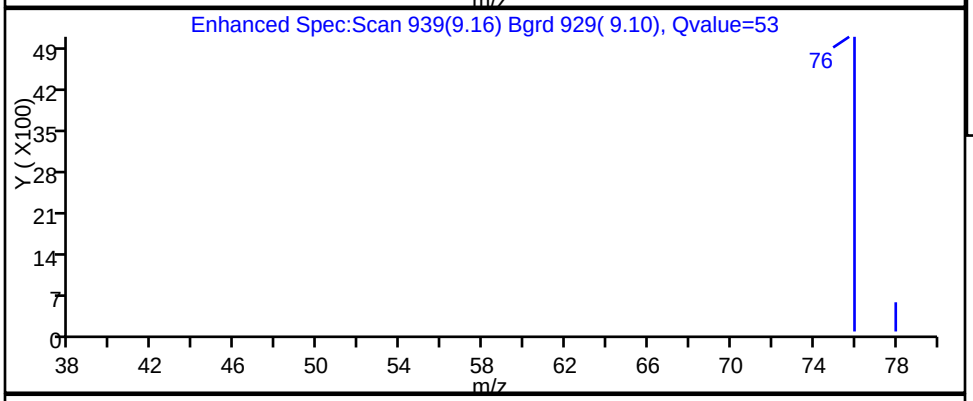
TestAmerica Burlington

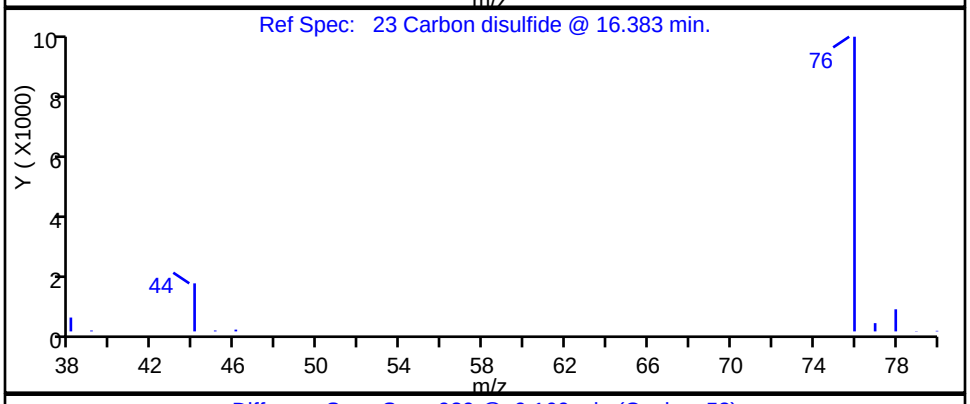
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

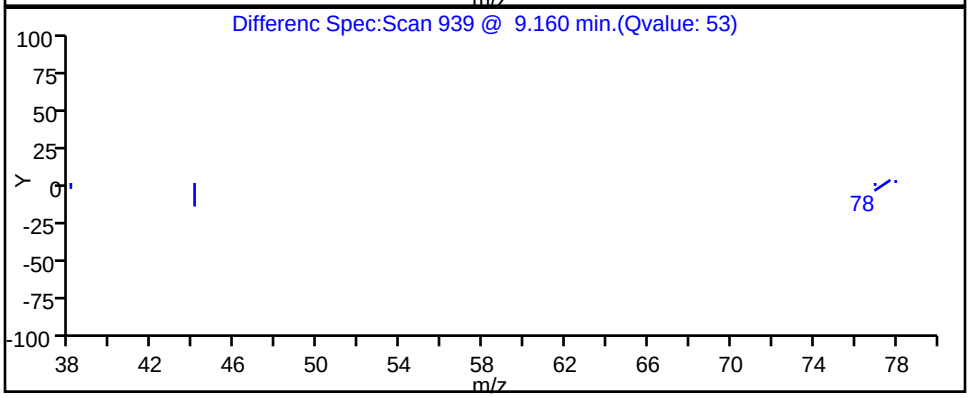
23 Carbon disulfide, CAS: 75-15-0





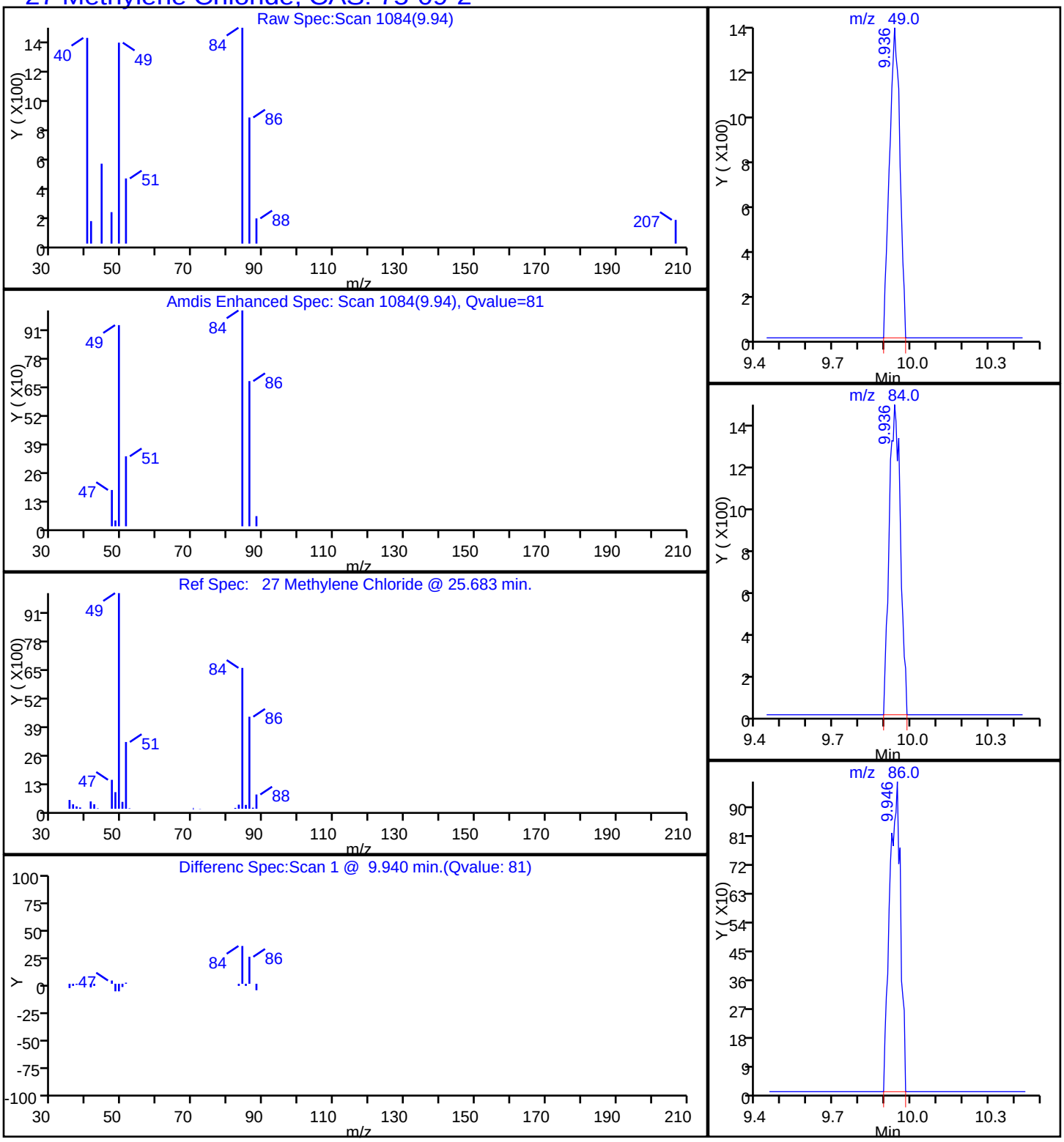






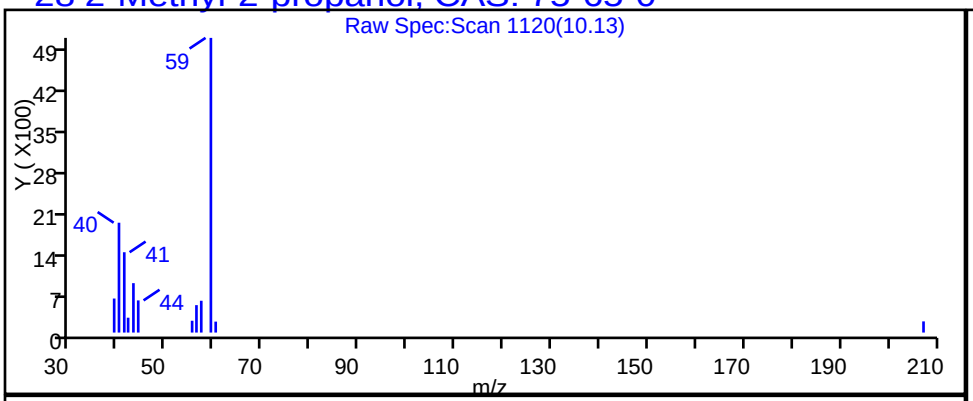
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

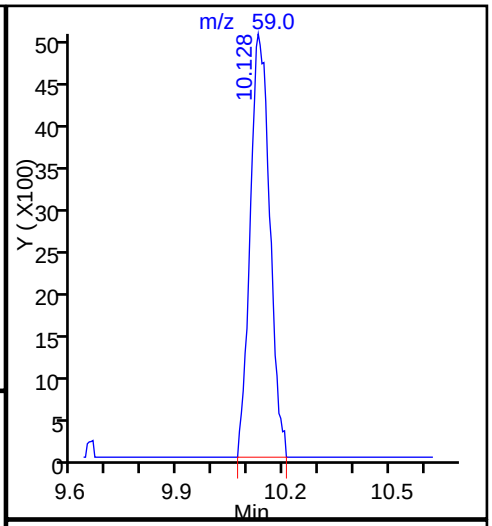
27 Methylene Chloride, CAS: 75-09-2

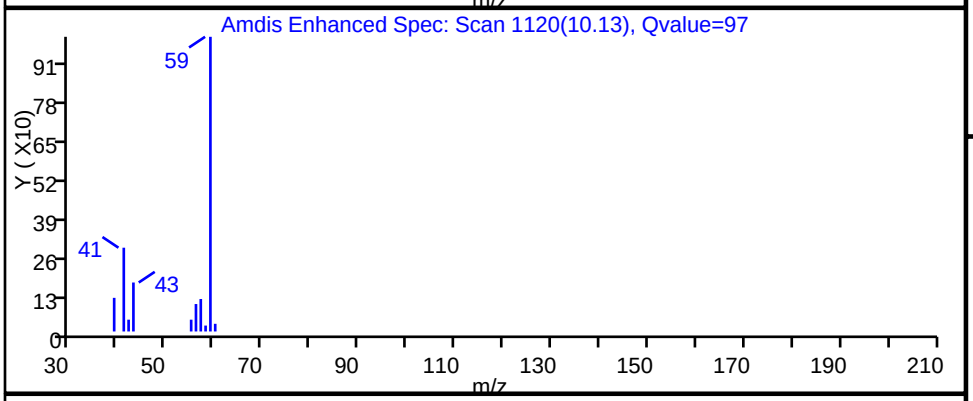


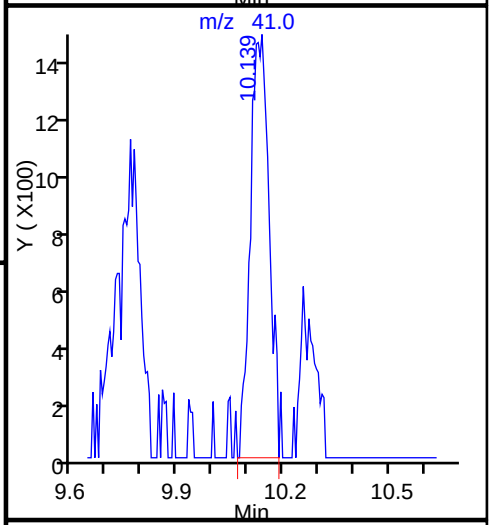
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

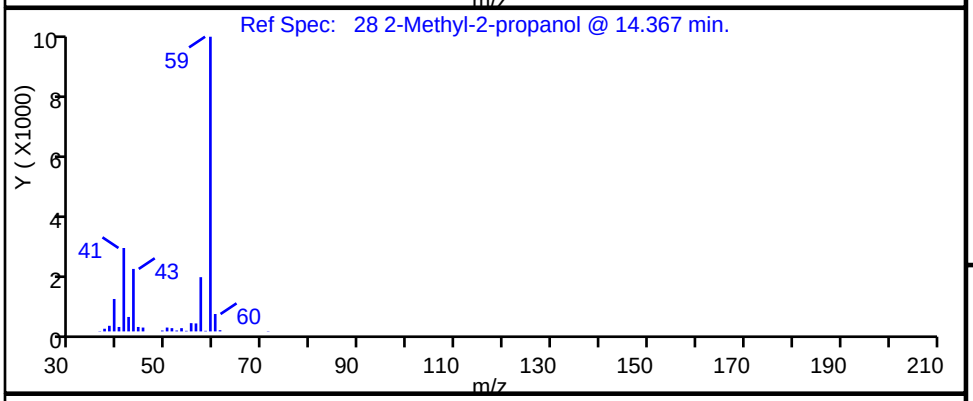
28 2-Methyl-2-propanol, CAS: 75-65-0

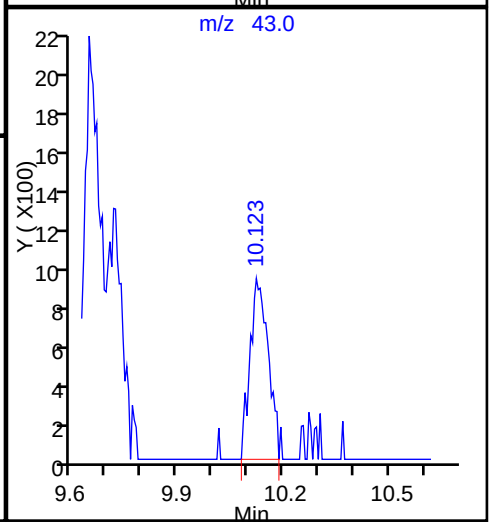


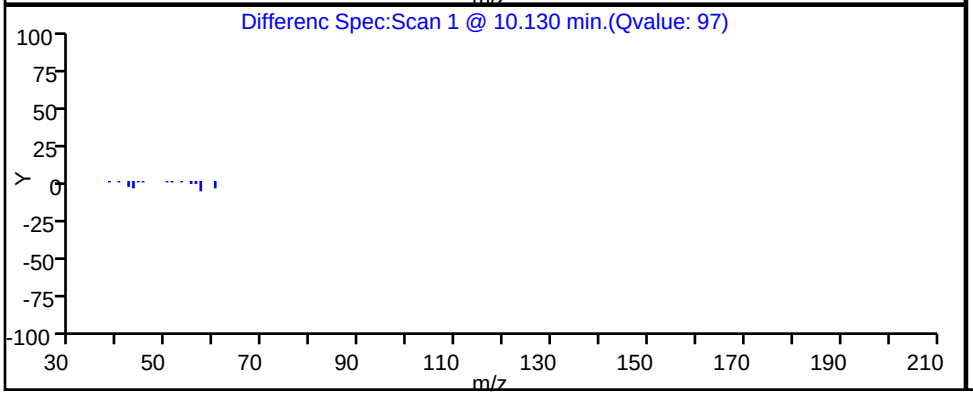






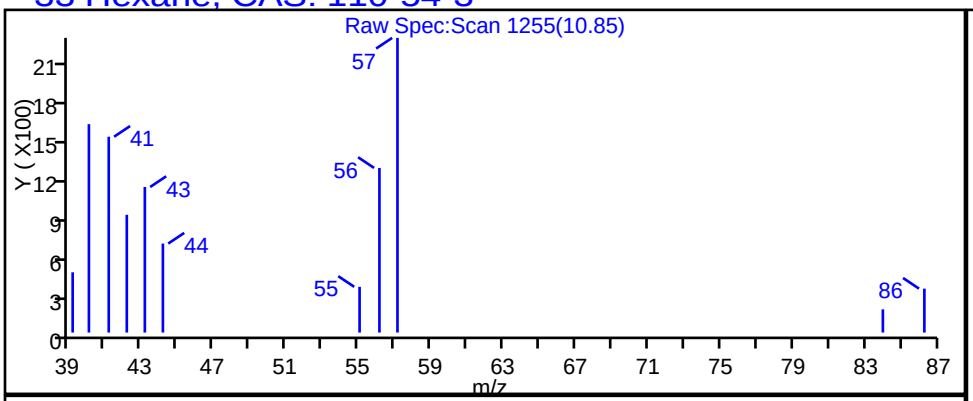


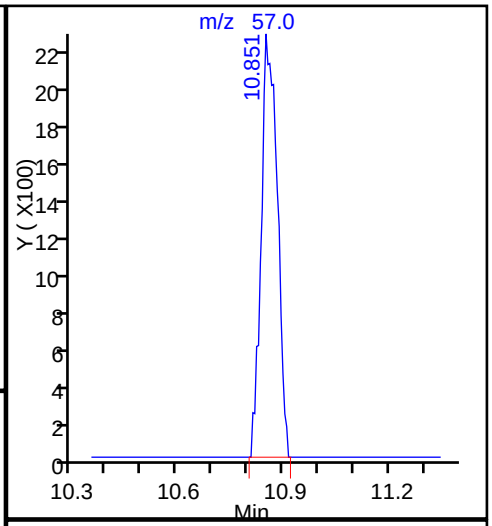


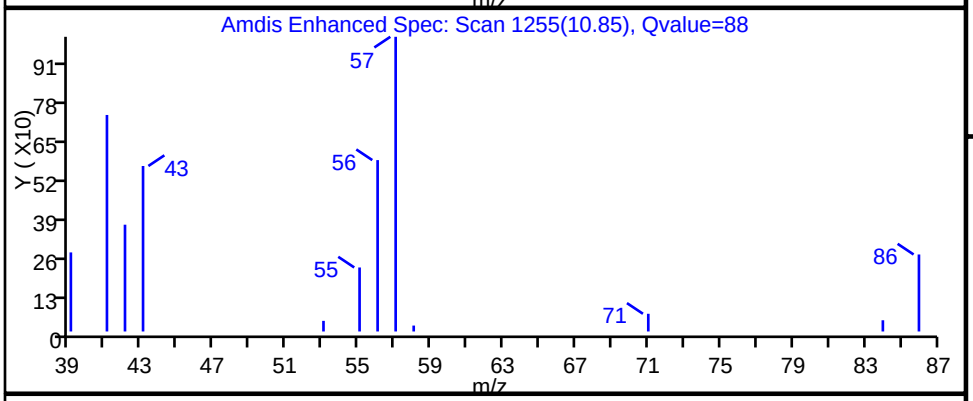


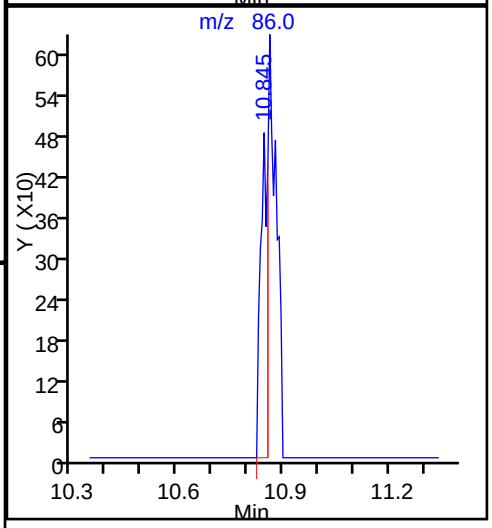
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

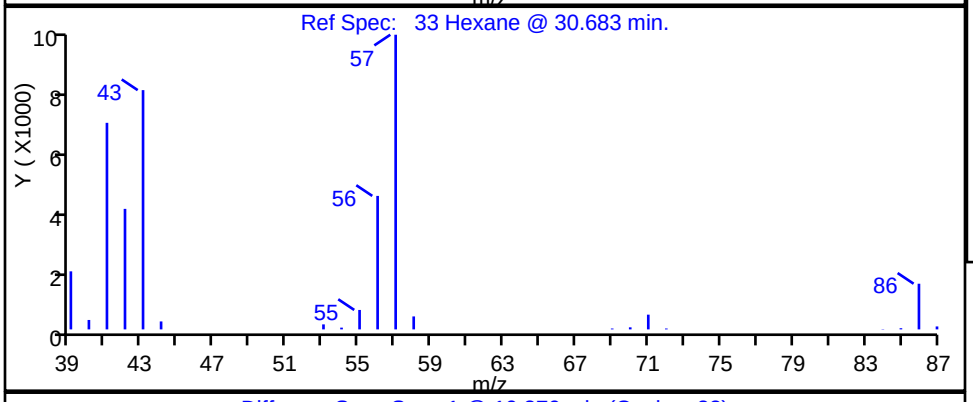
33 Hexane, CAS: 110-54-3

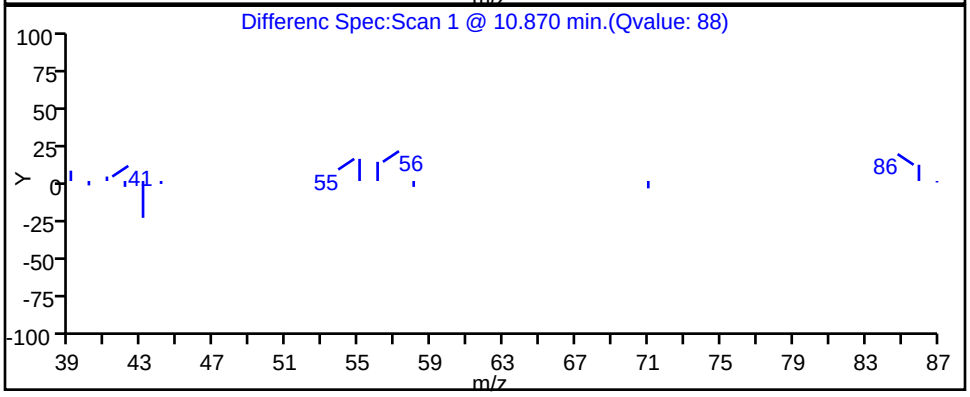








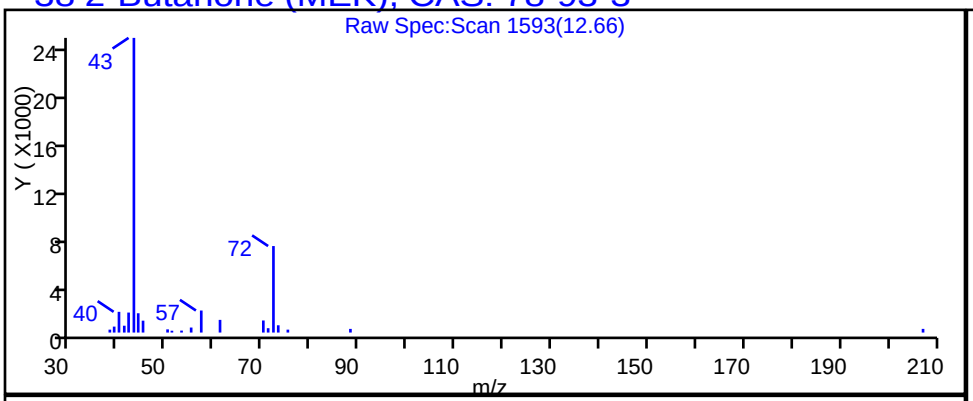


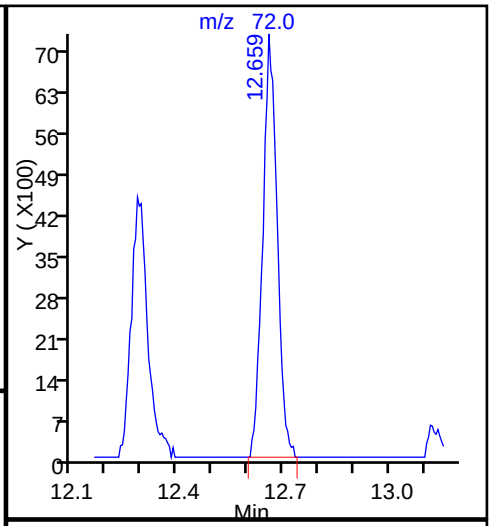


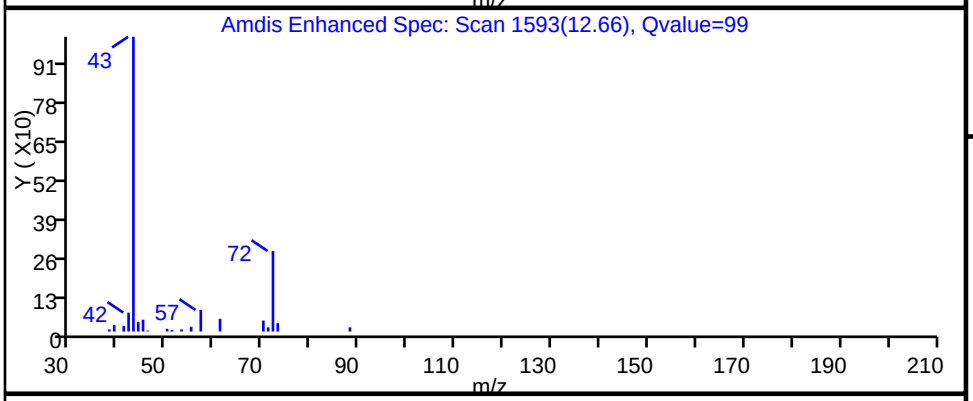
TestAmerica Burlington

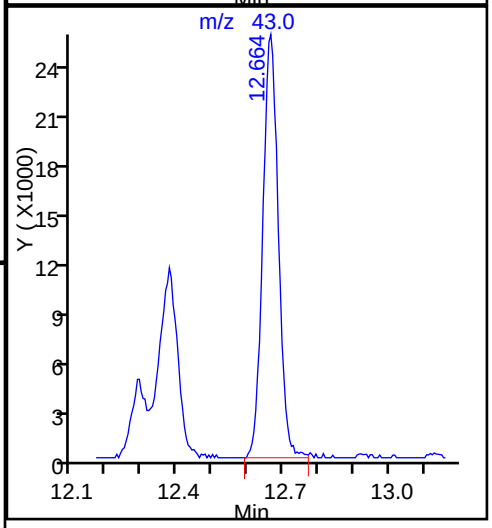
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

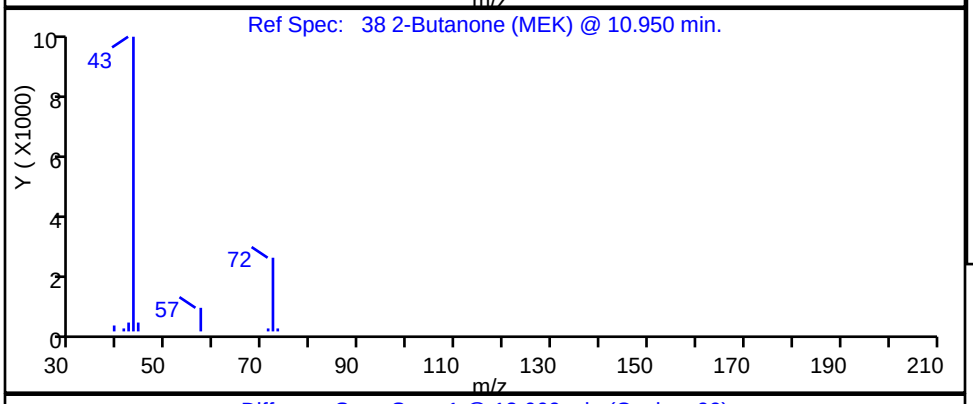
38 2-Butanone (MEK), CAS: 78-93-3

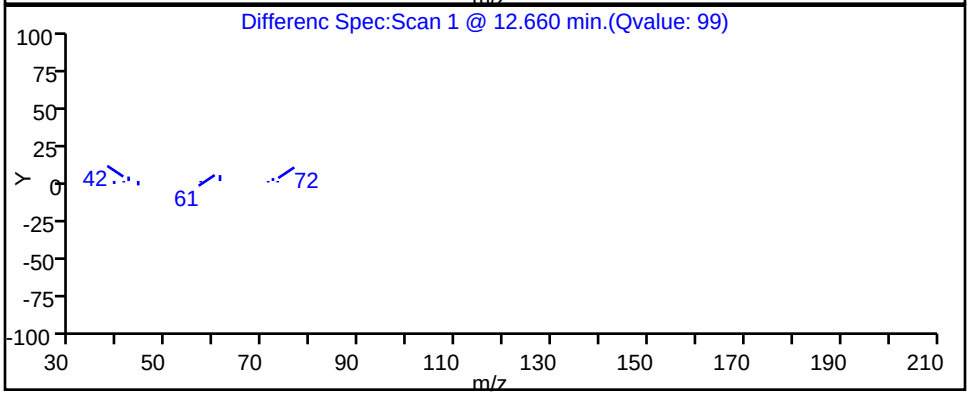








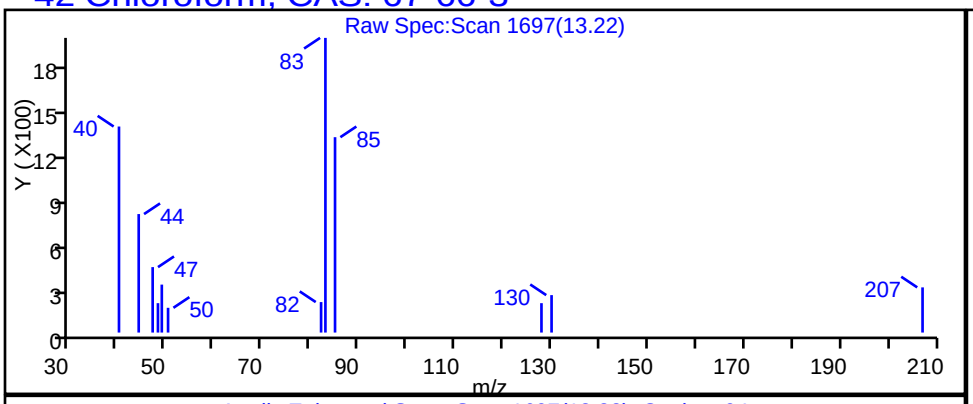


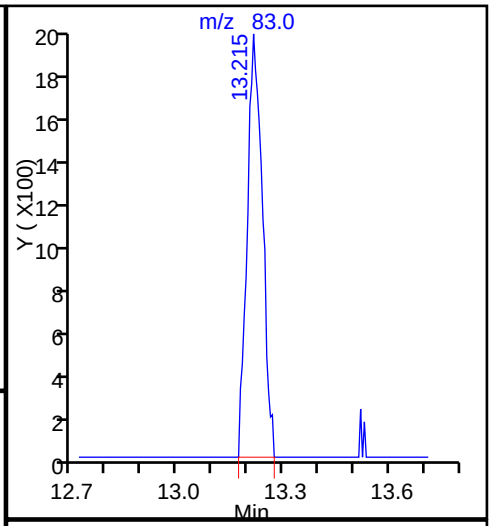


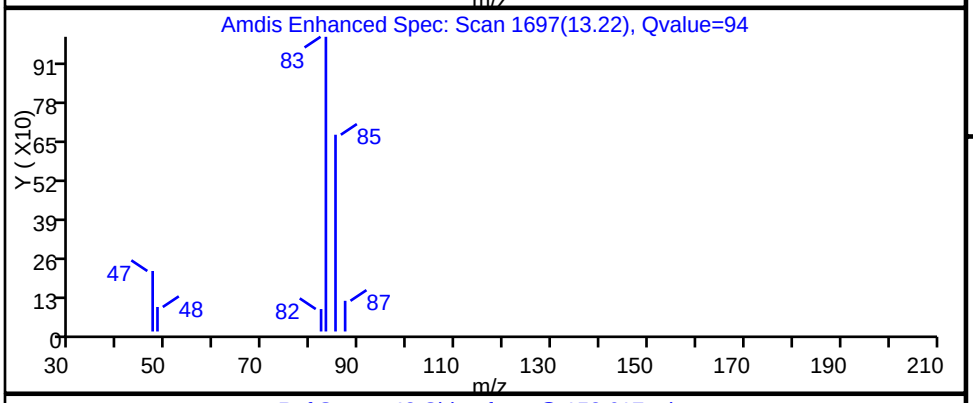
TestAmerica Burlington

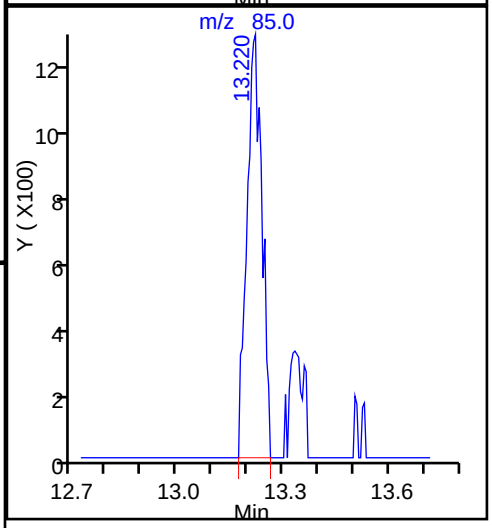
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

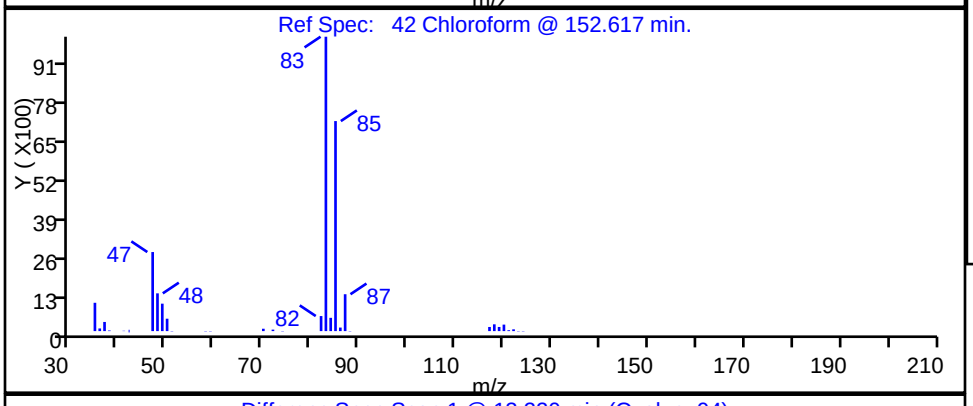
42 Chloroform, CAS: 67-66-3

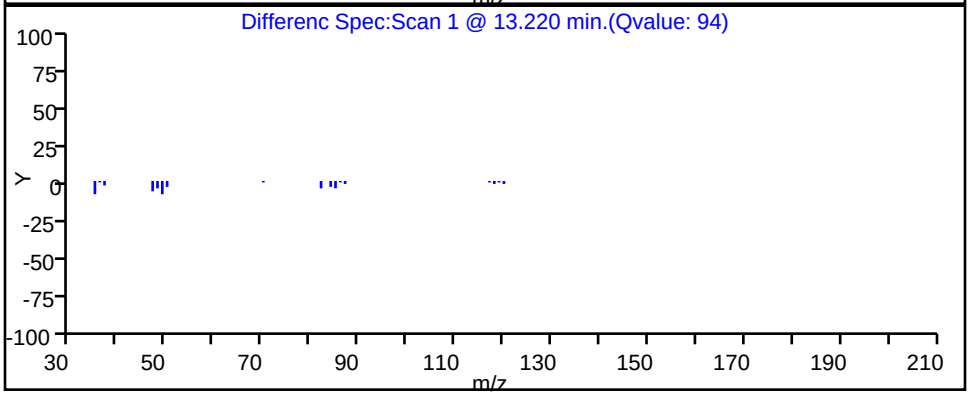








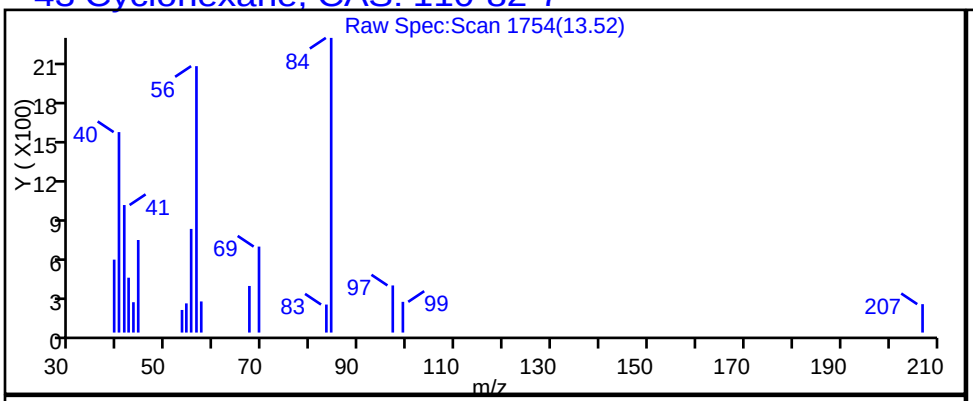


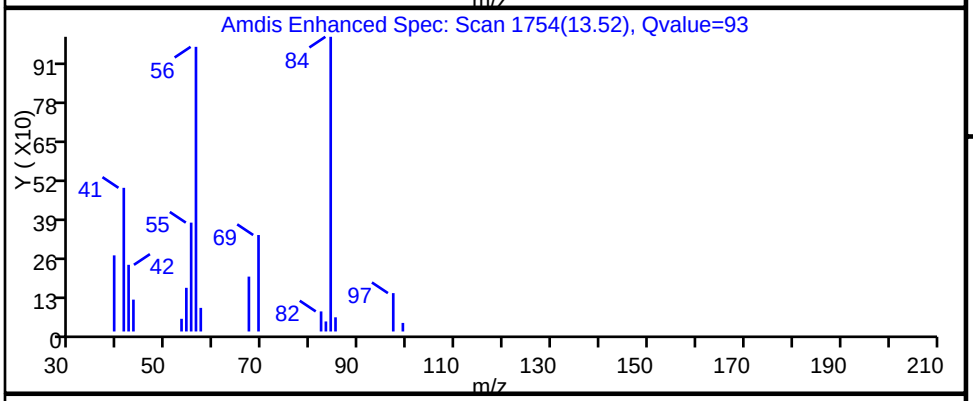


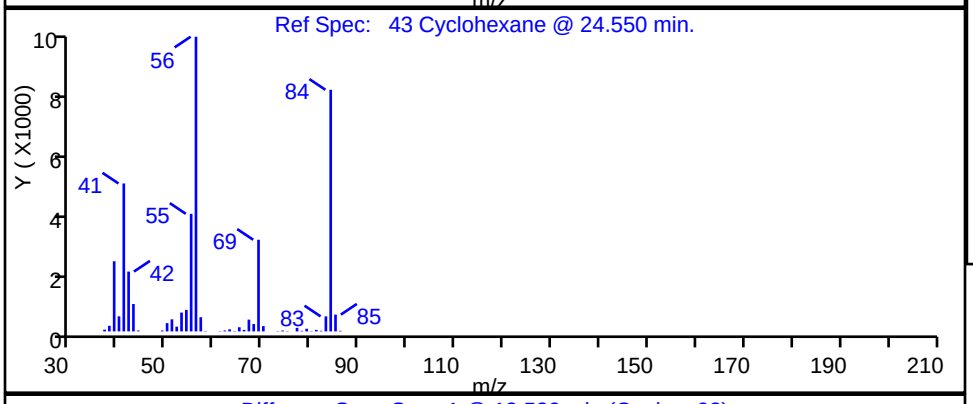
TestAmerica Burlington

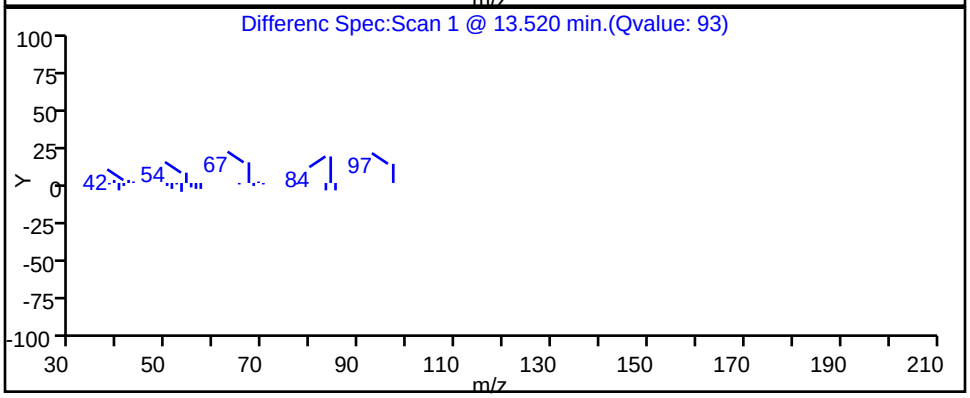
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

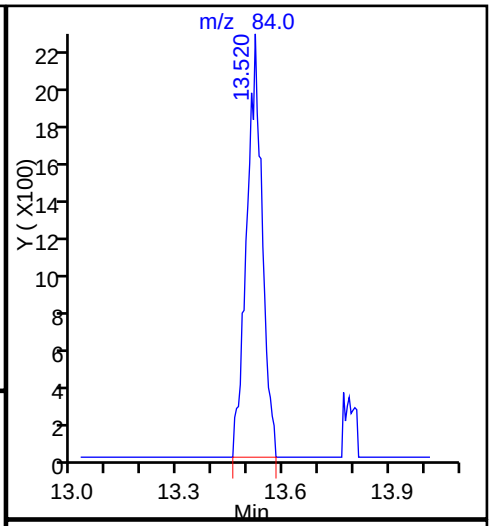
43 Cyclohexane, CAS: 110-82-7

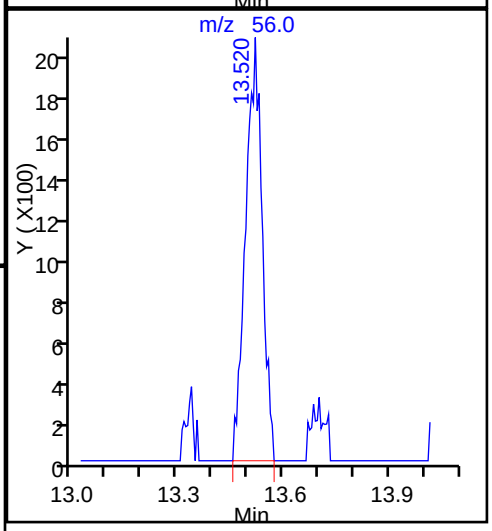








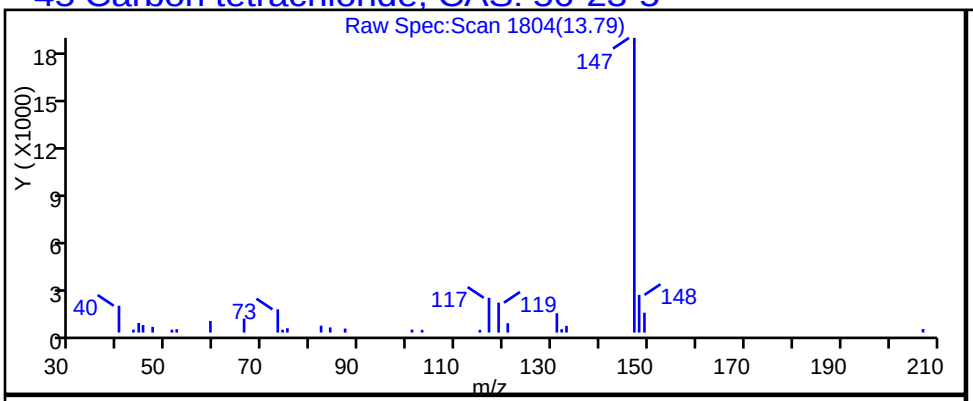


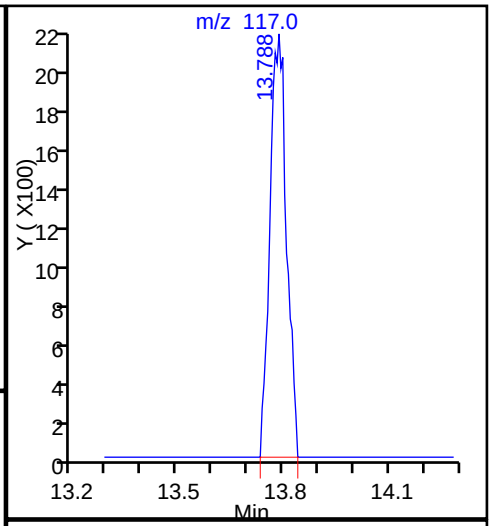


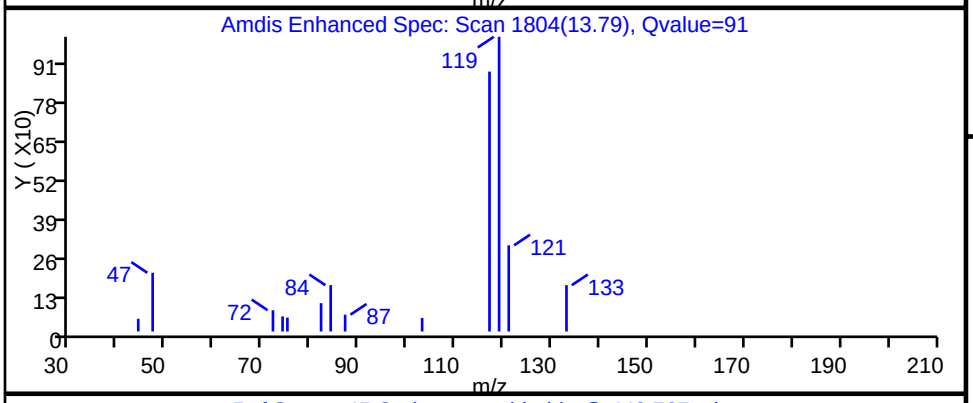
TestAmerica Burlington

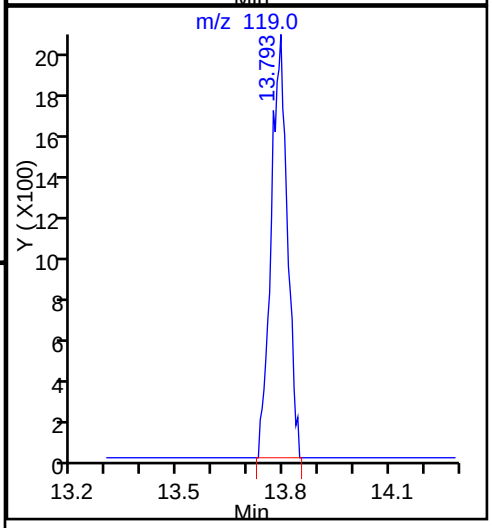
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

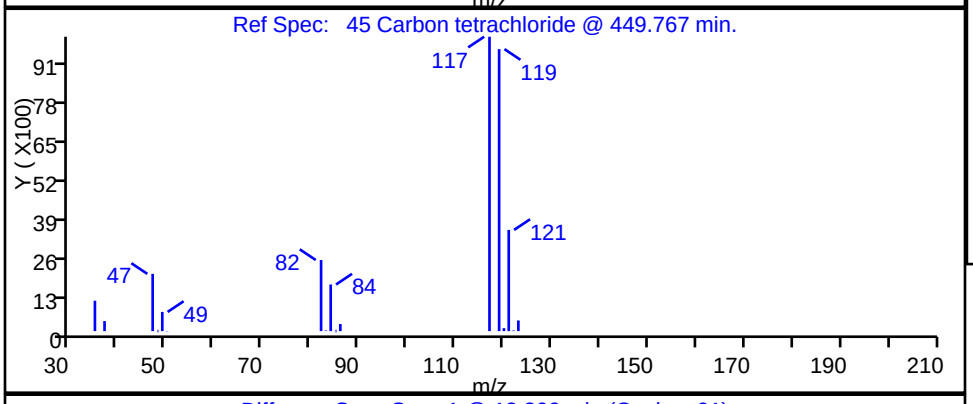
45 Carbon tetrachloride, CAS: 56-23-5

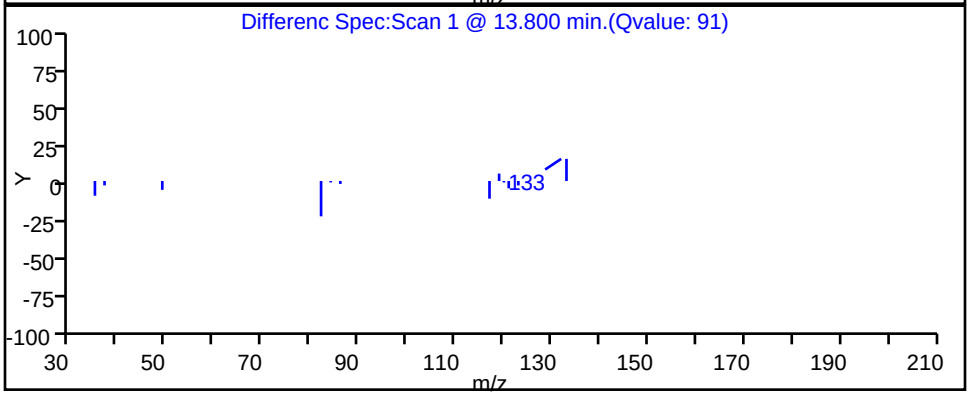








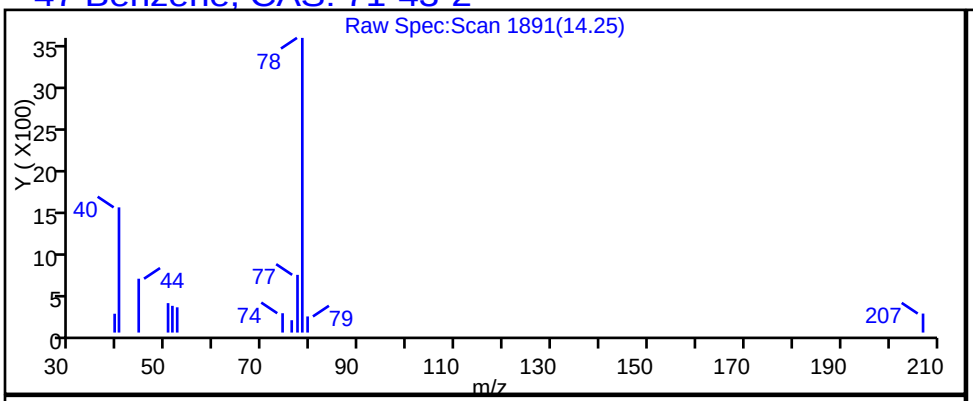


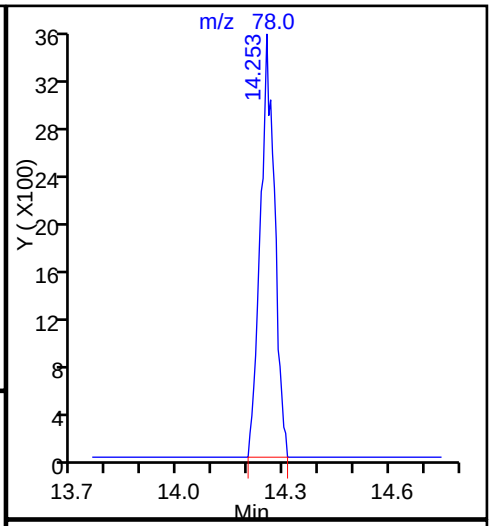


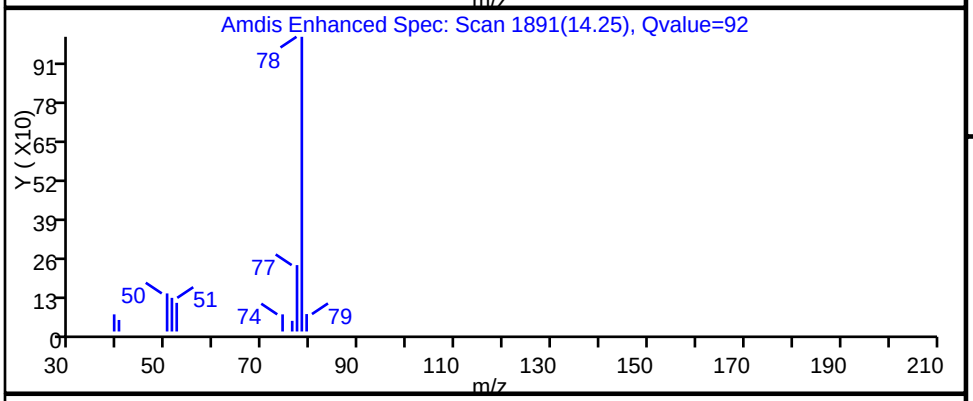
TestAmerica Burlington

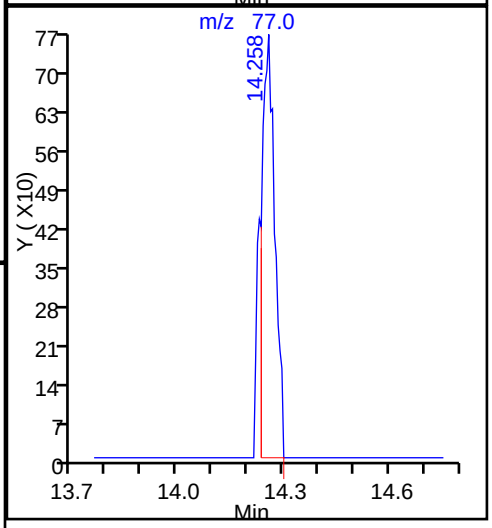
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

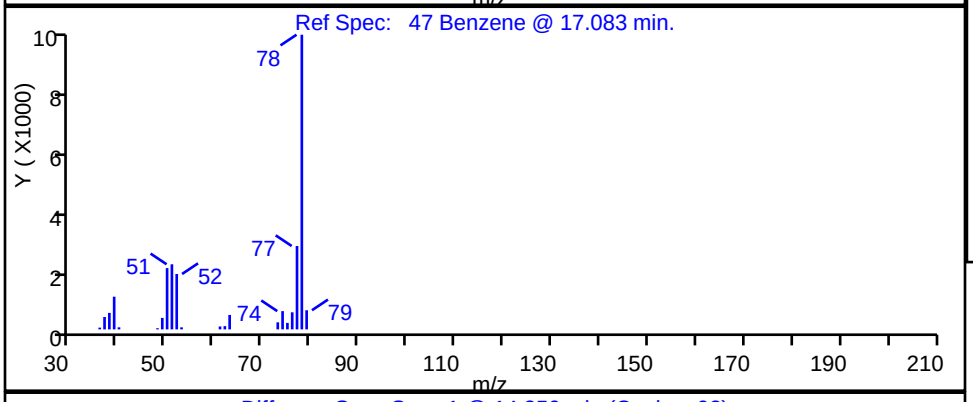
47 Benzene, CAS: 71-43-2

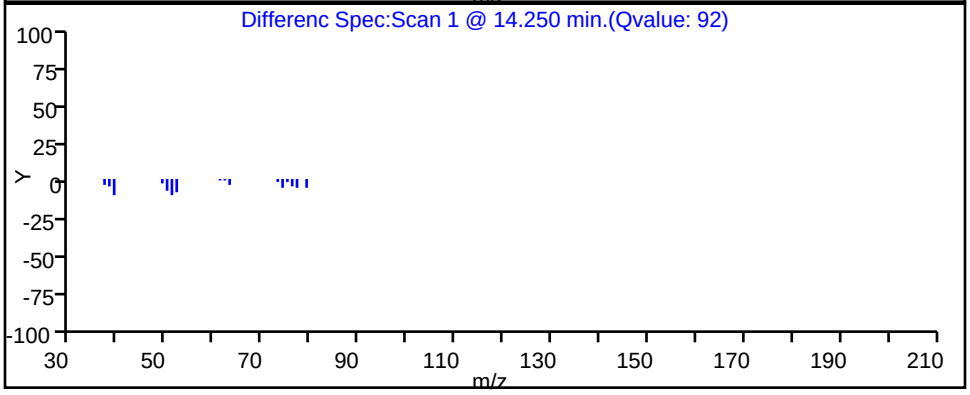








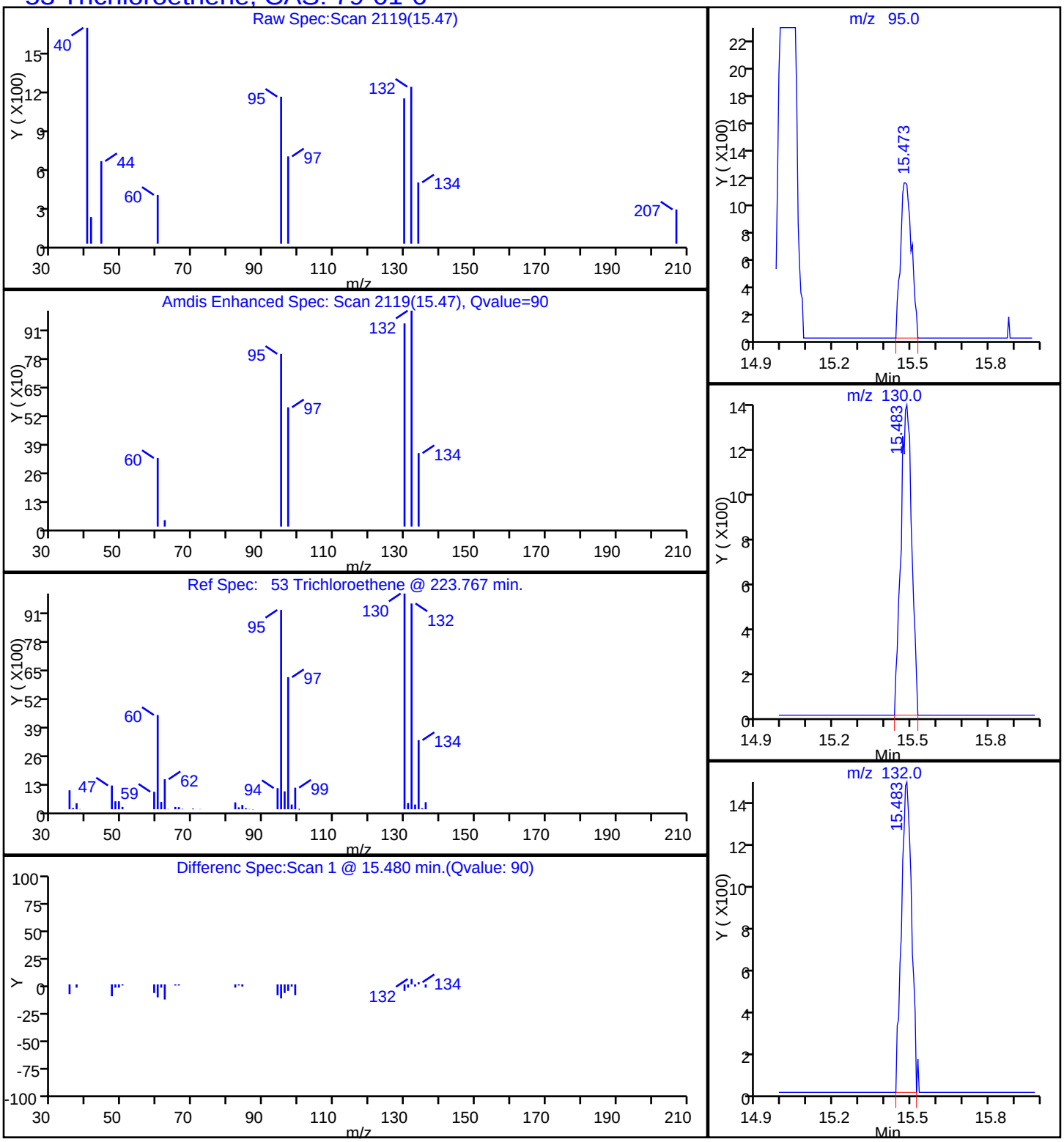




TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

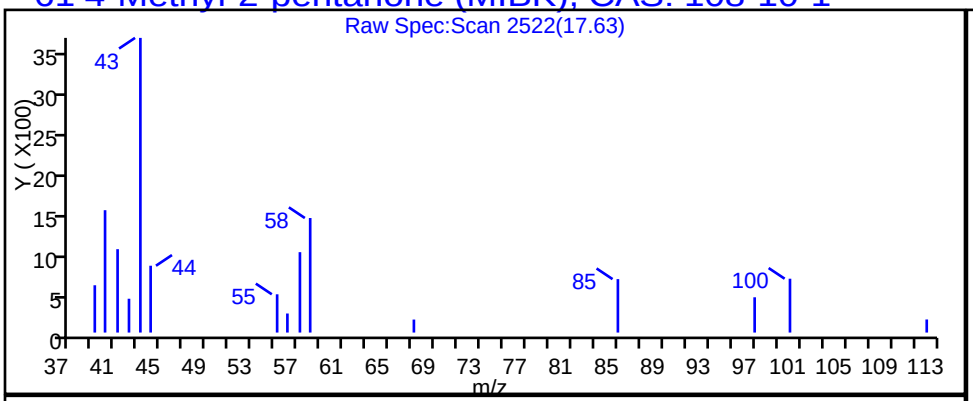
53 Trichloroethene, CAS: 79-01-6

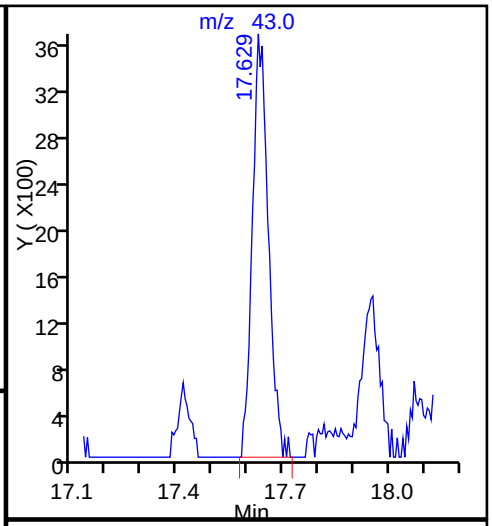


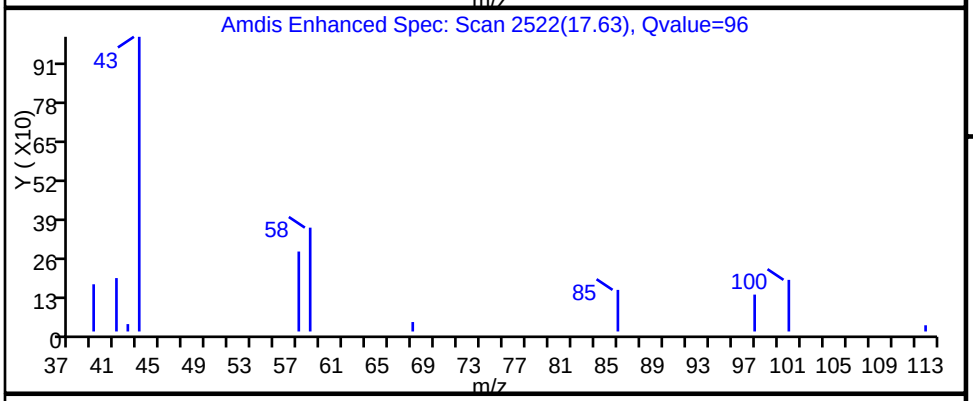
TestAmerica Burlington

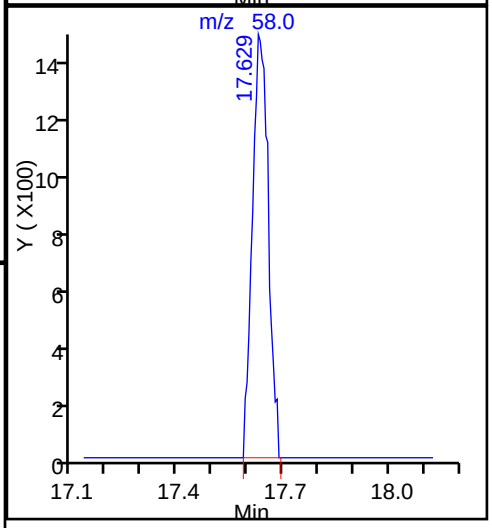
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

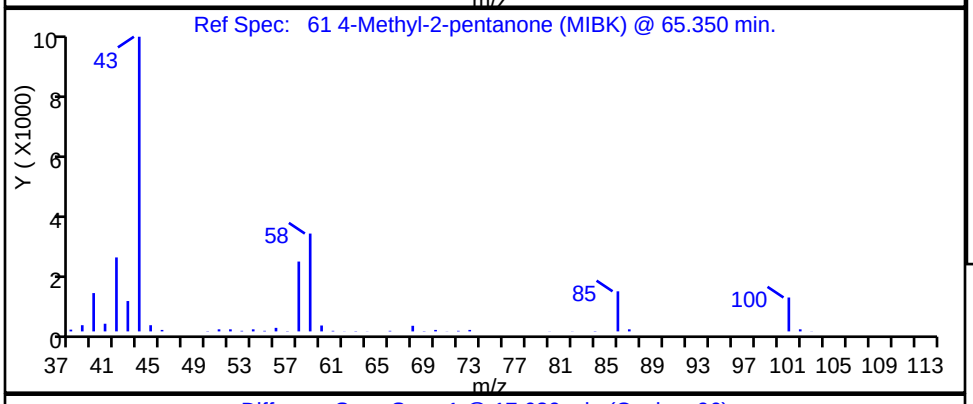
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

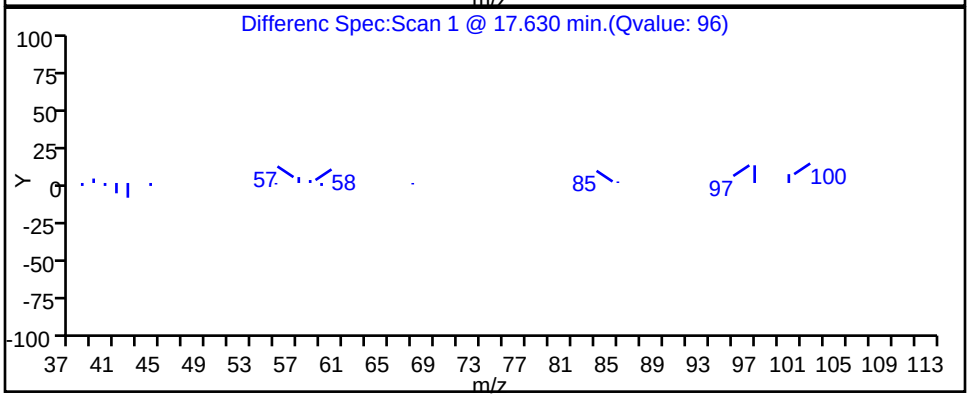






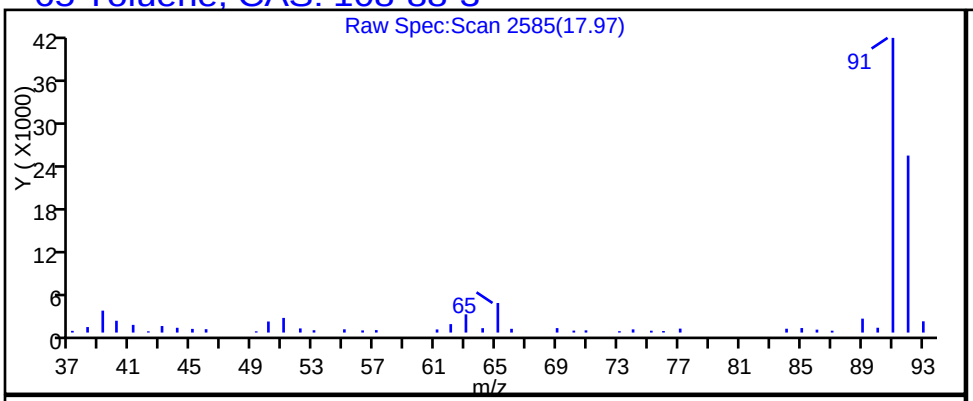


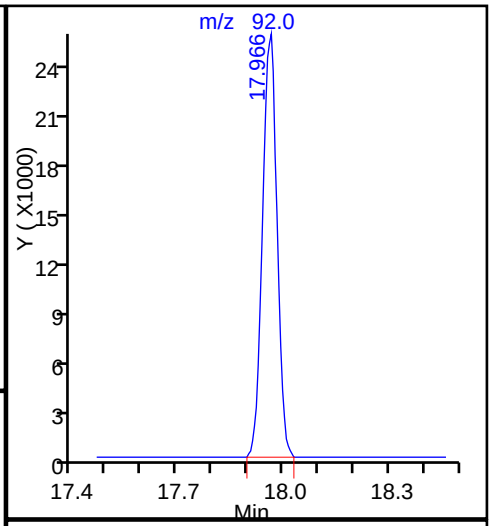


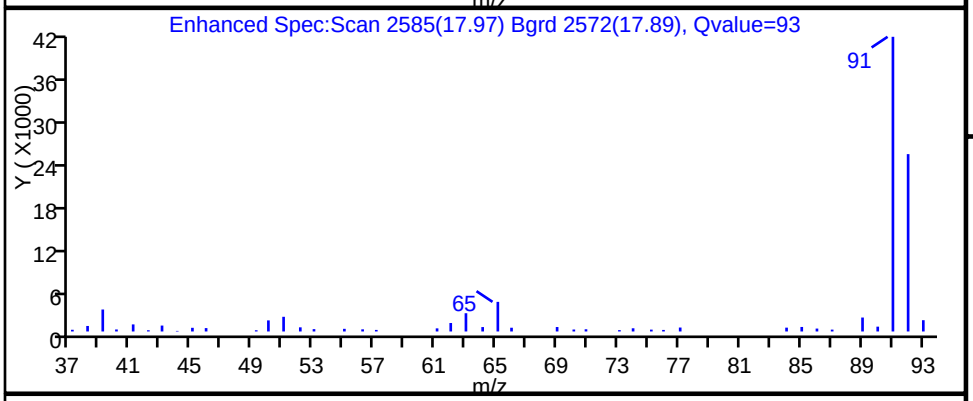


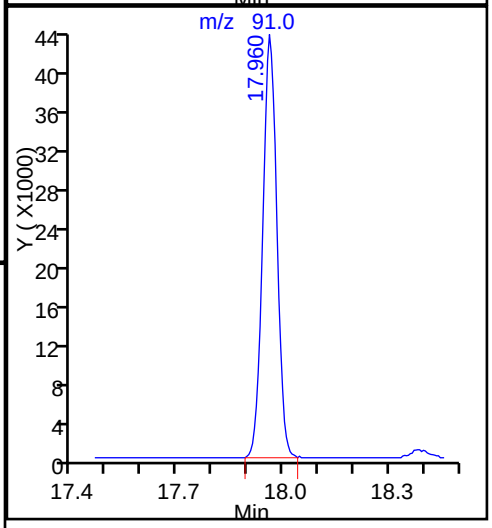
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

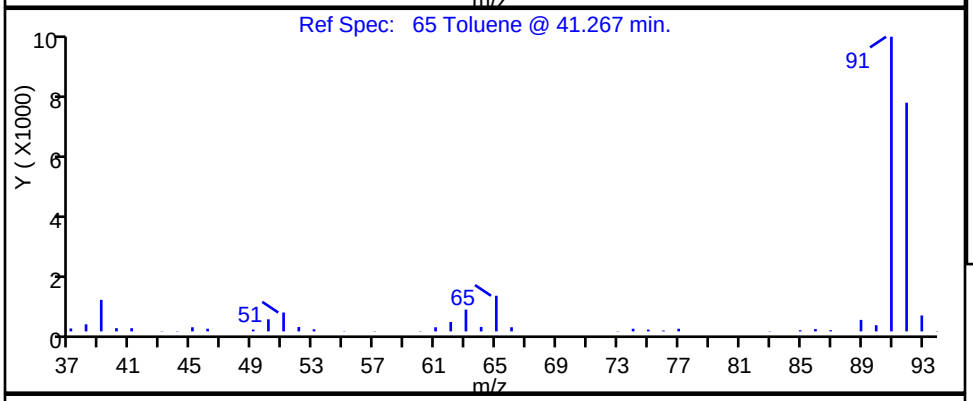
65 Toluene, CAS: 108-88-3

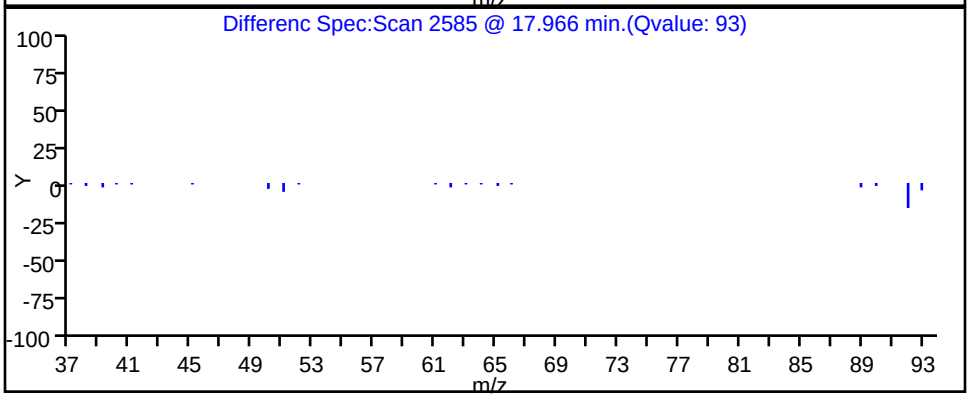






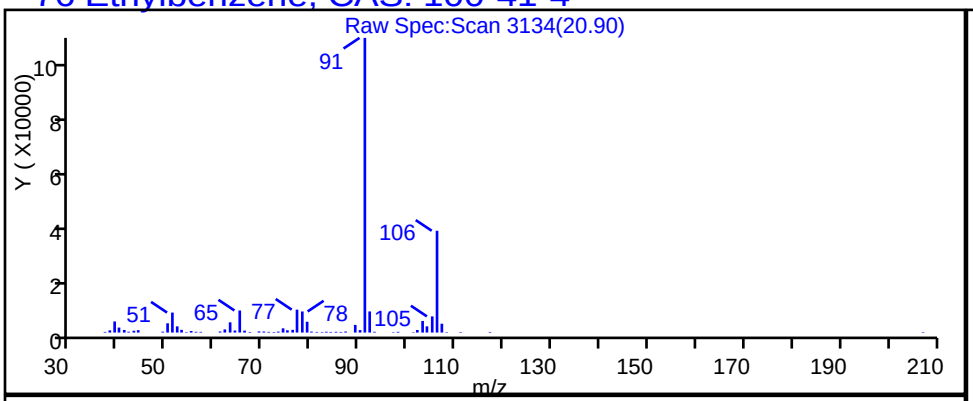


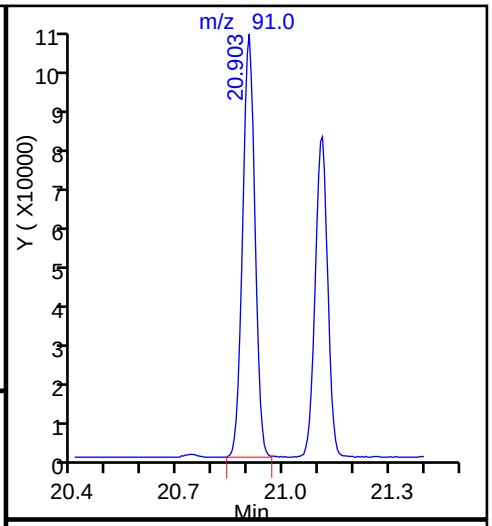


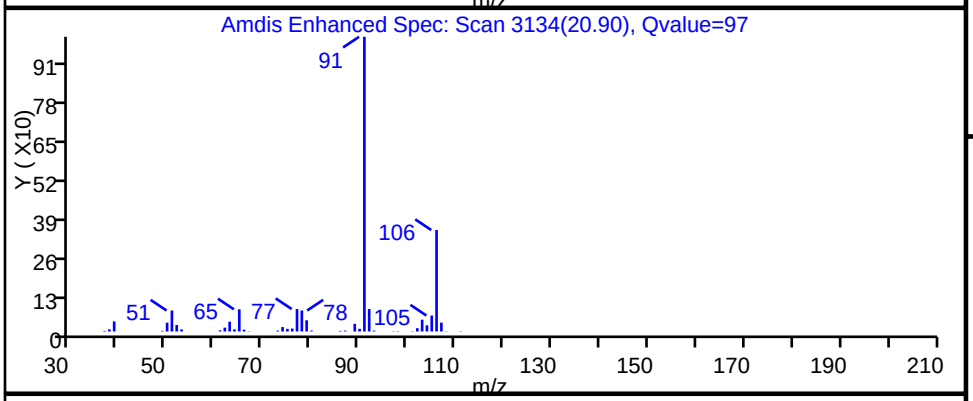


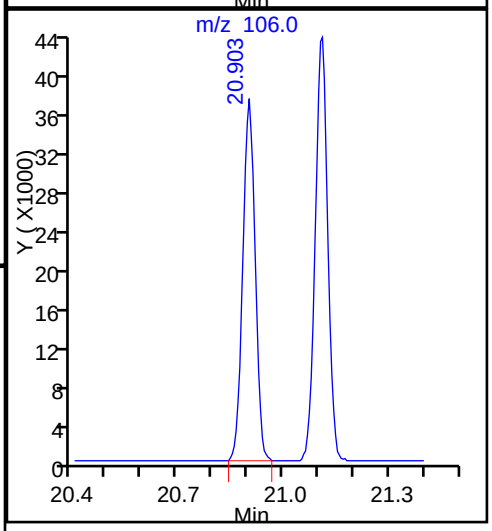
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

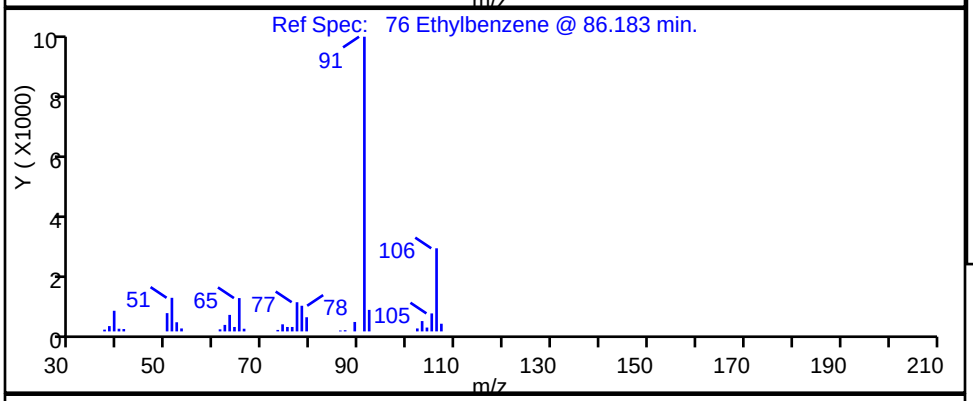
76 Ethylbenzene, CAS: 100-41-4

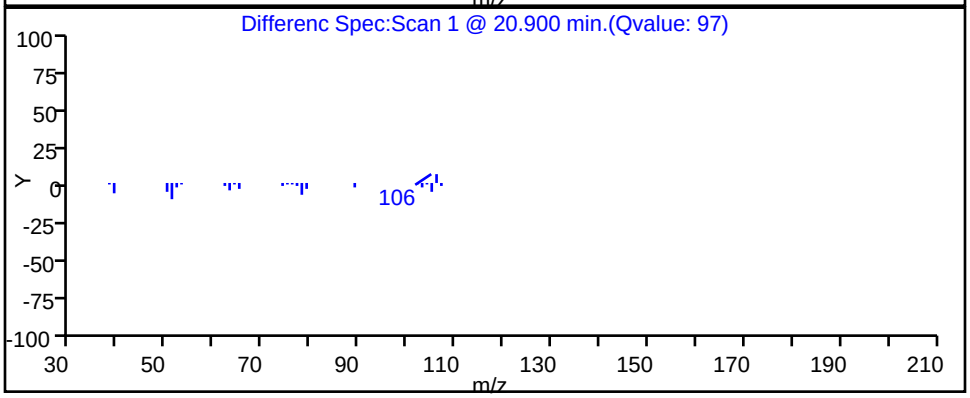








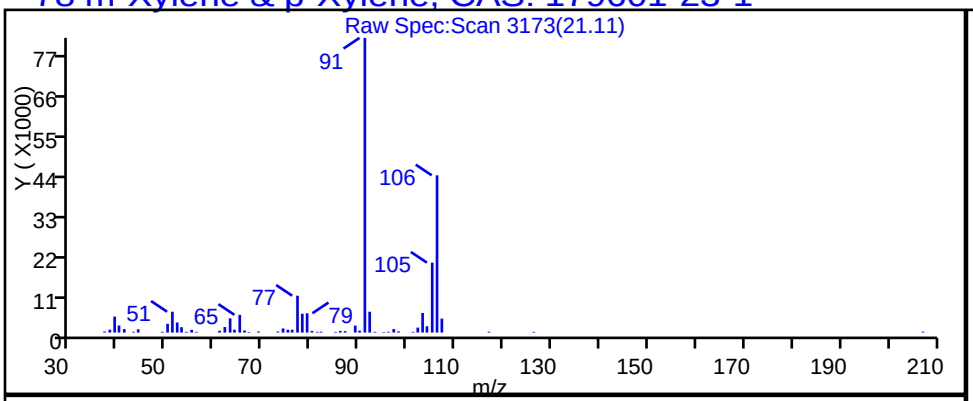


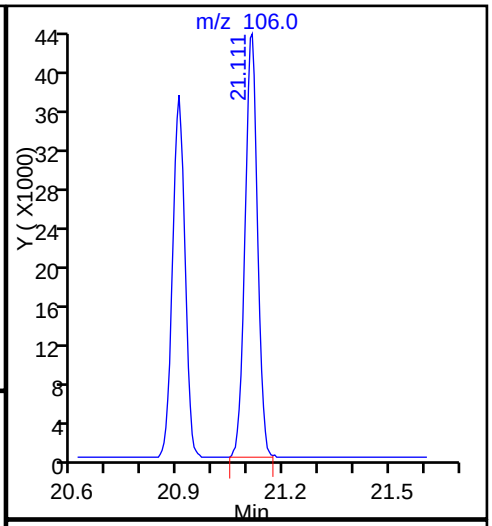


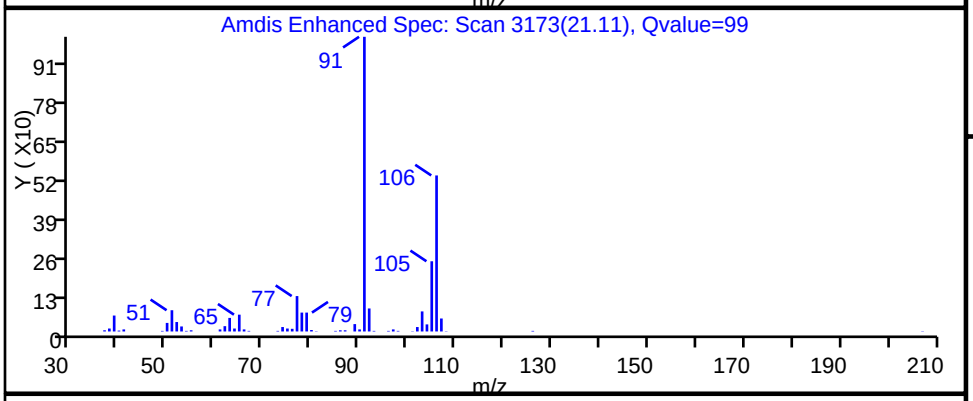
TestAmerica Burlington

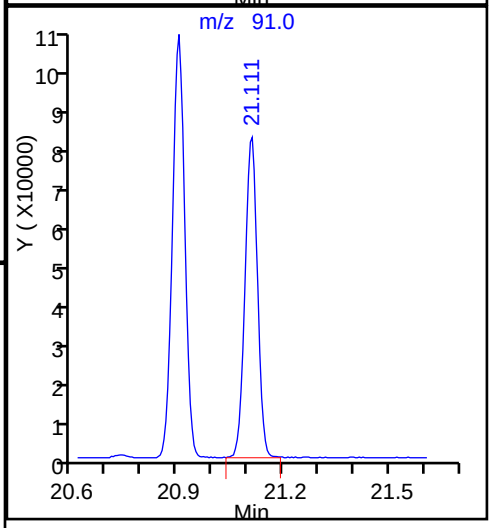
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

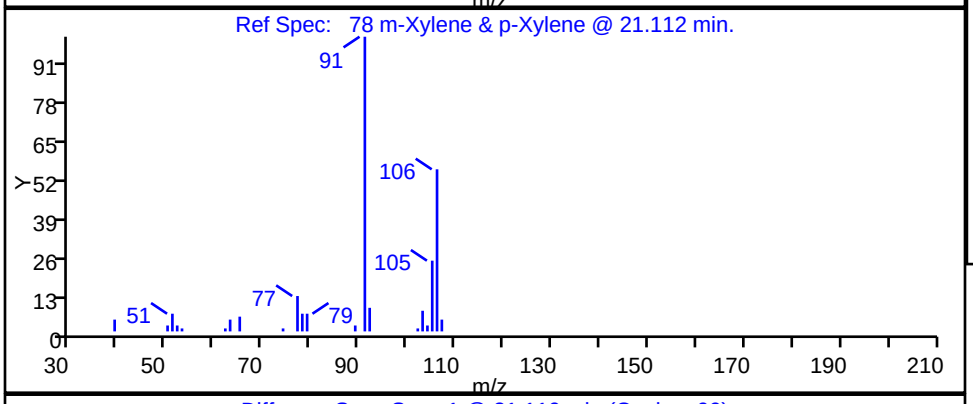
78 m-Xylene & p-Xylene, CAS: 179601-23-1

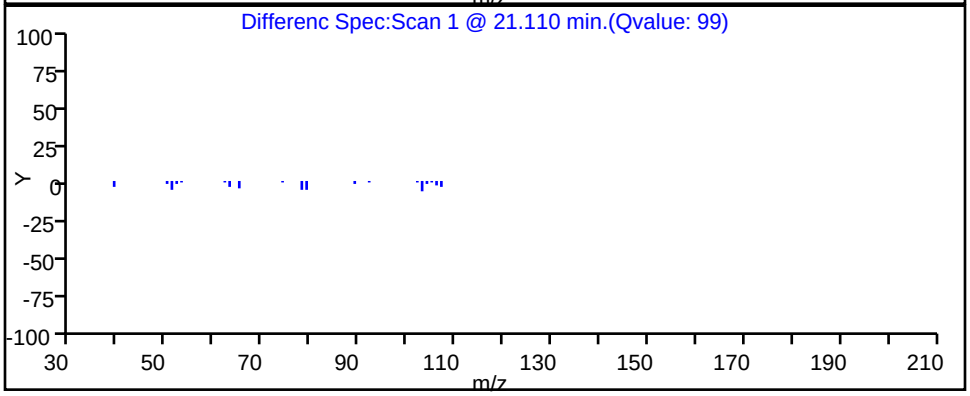








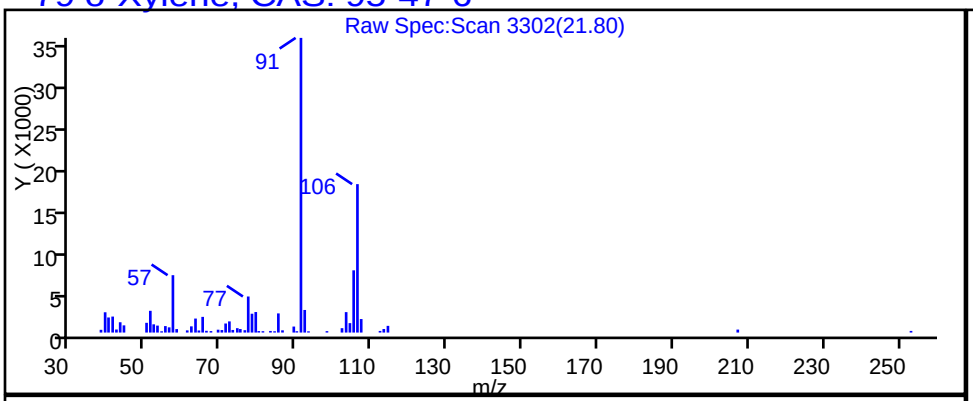


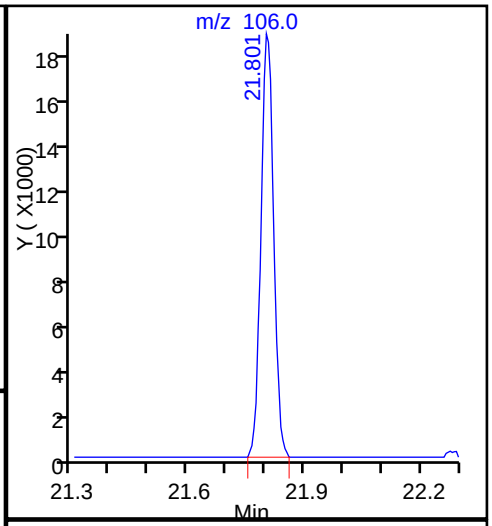


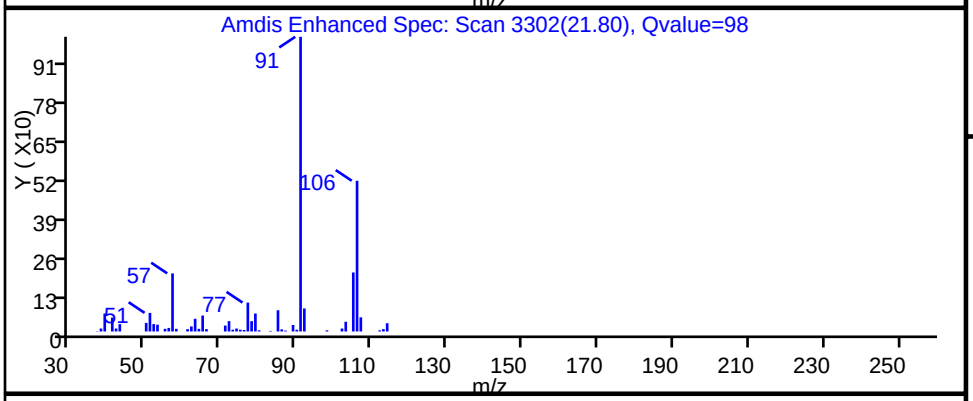
TestAmerica Burlington

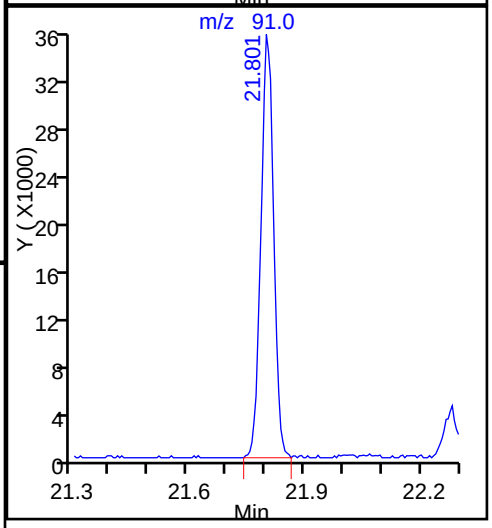
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

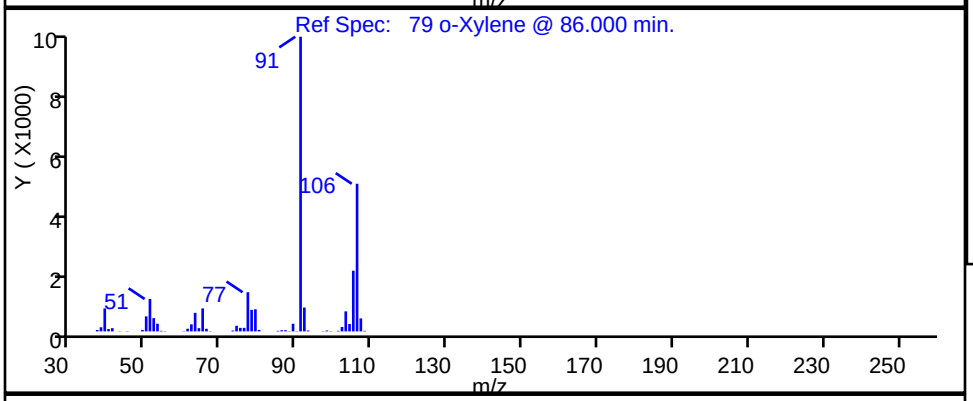
79 o-Xylene, CAS: 95-47-6

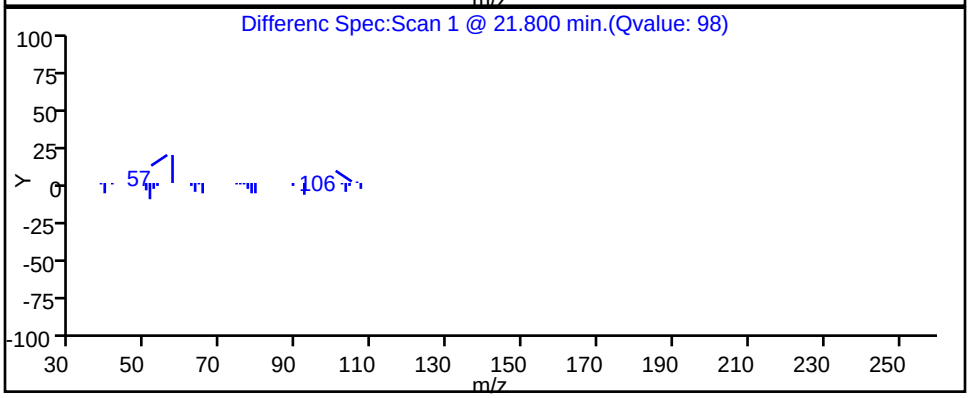








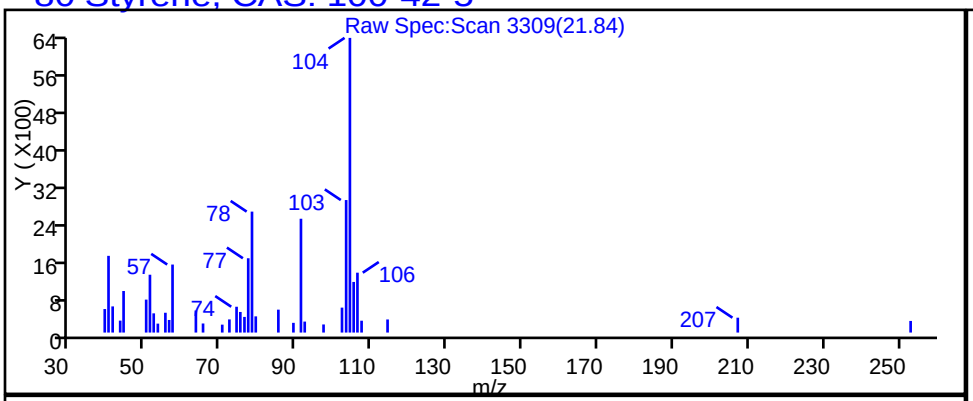


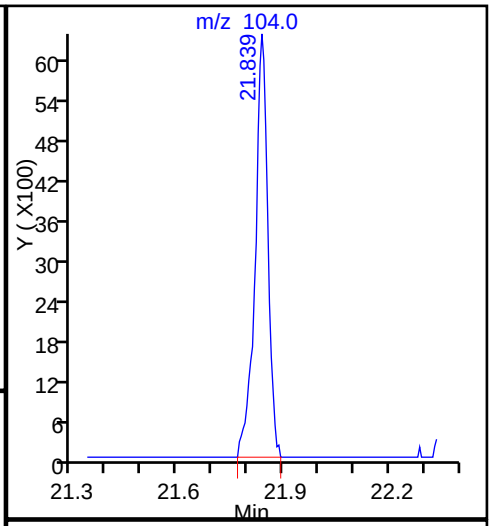


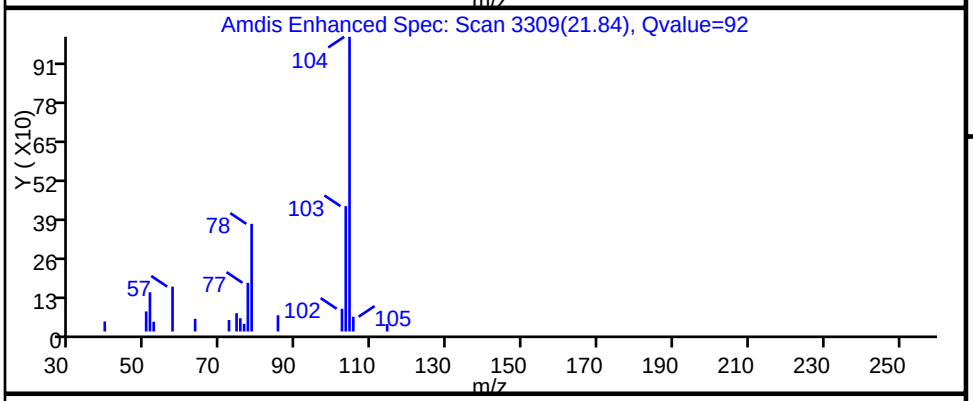
TestAmerica Burlington

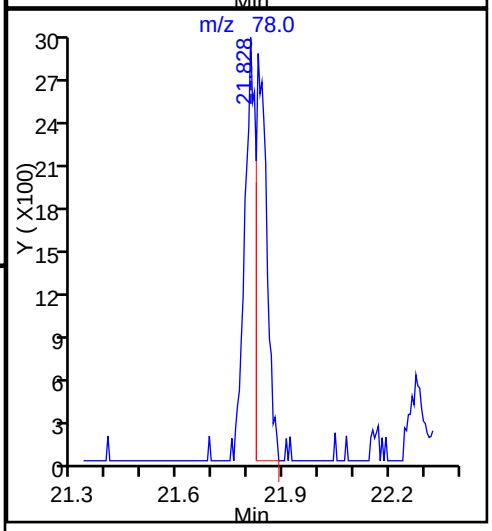
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

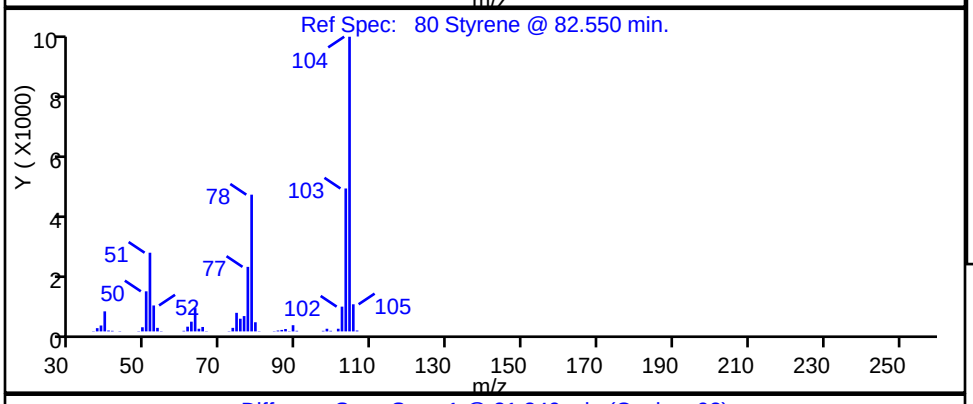
80 Styrene, CAS: 100-42-5

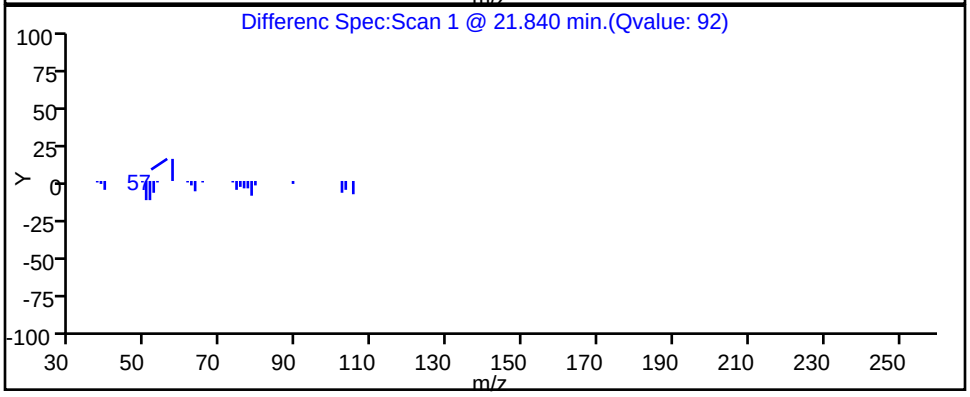








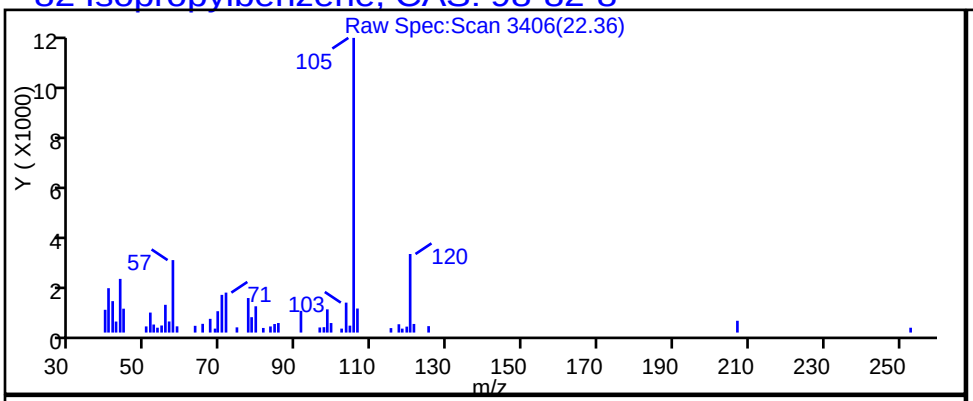


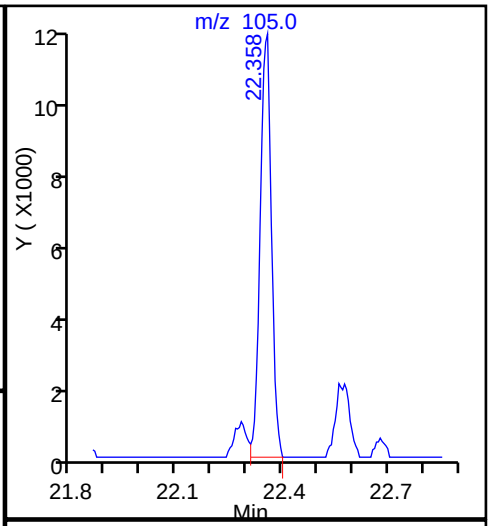


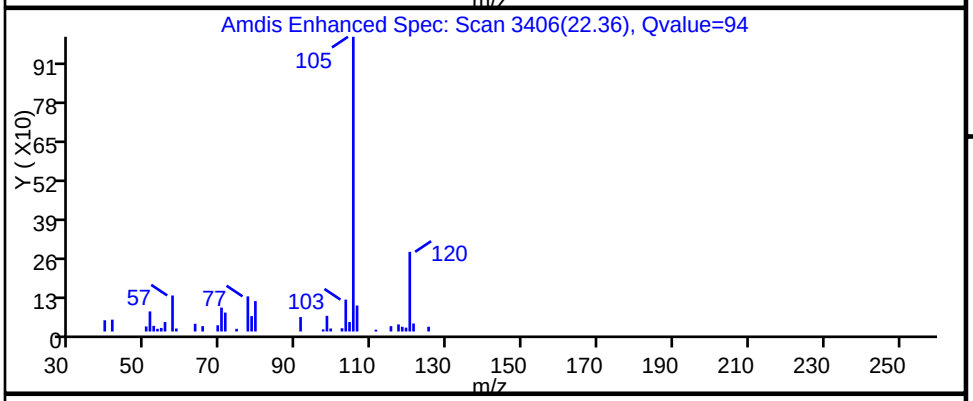
TestAmerica Burlington

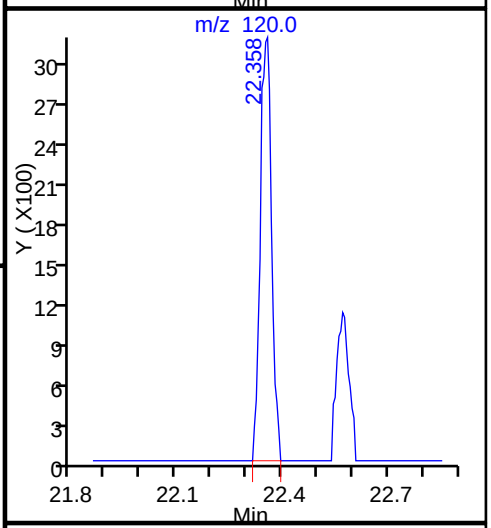
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

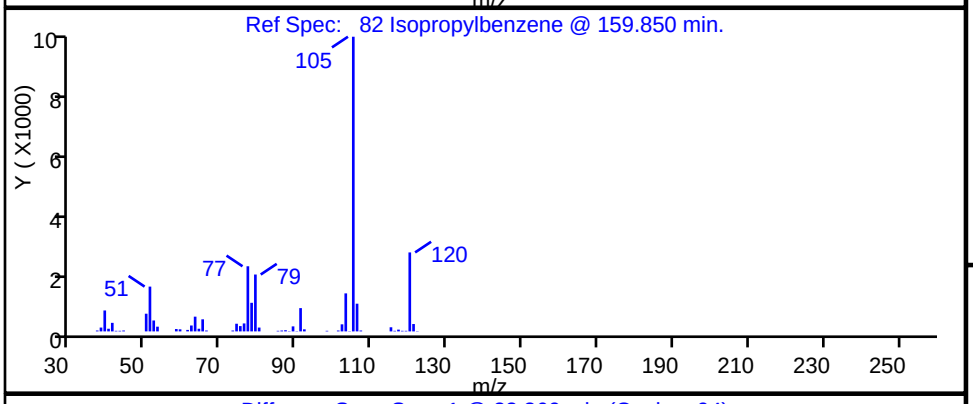
82 Isopropylbenzene, CAS: 98-82-8

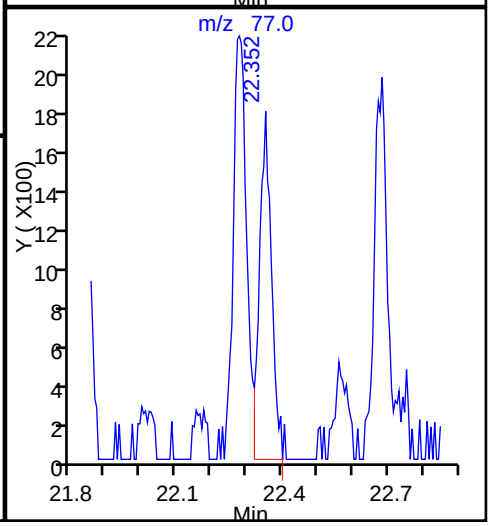


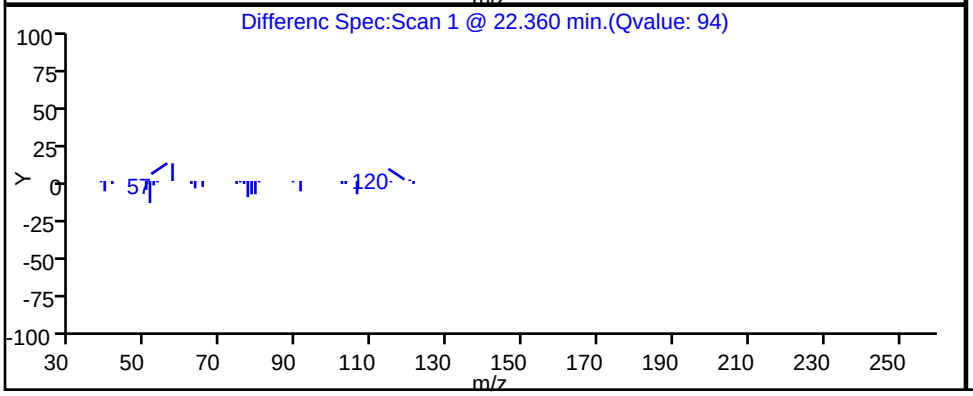








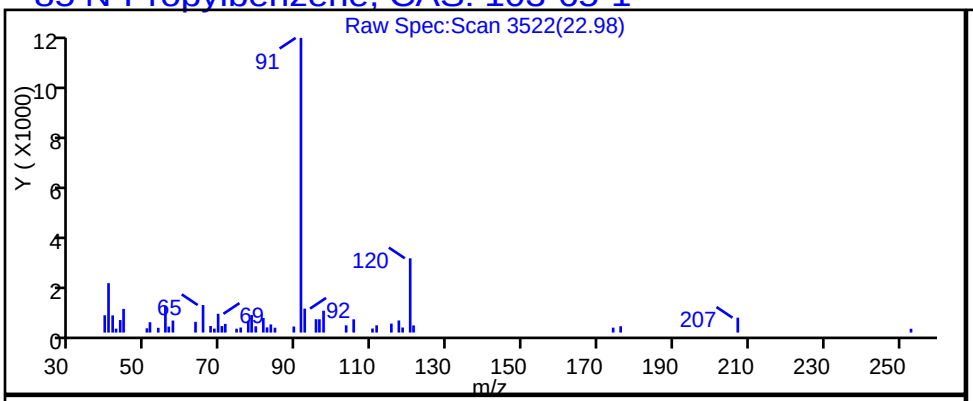


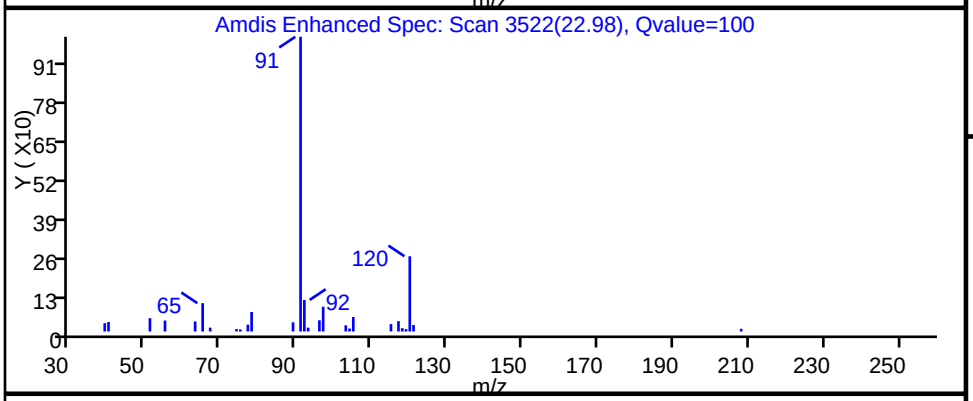


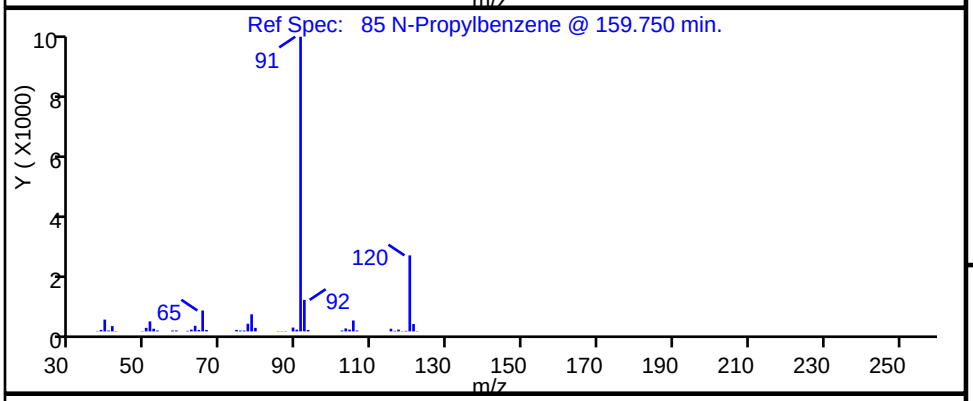
TestAmerica Burlington

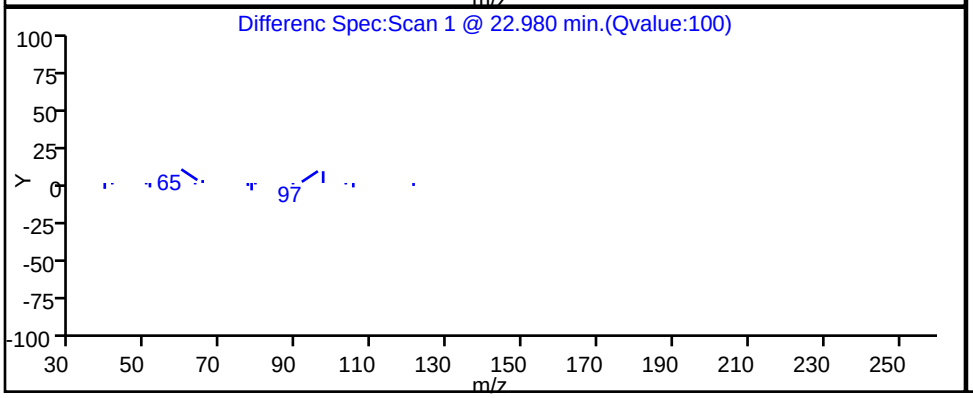
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

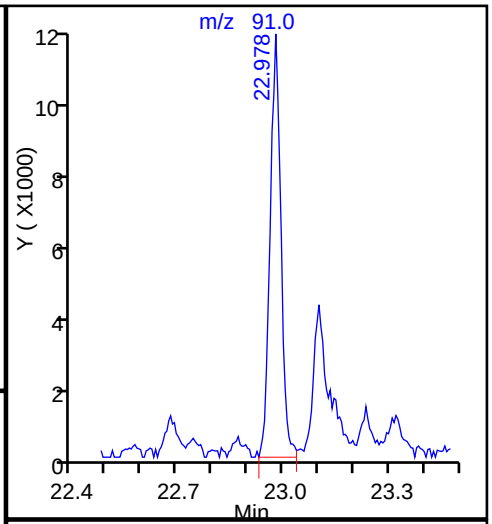
85 N-Propylbenzene, CAS: 103-65-1

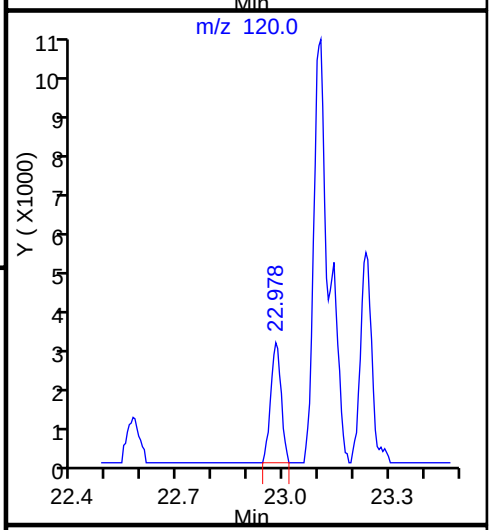


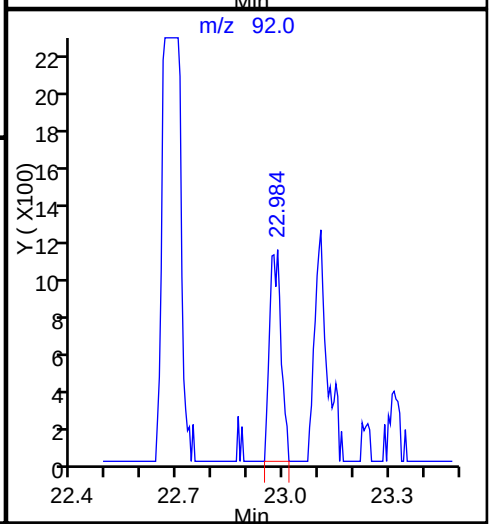








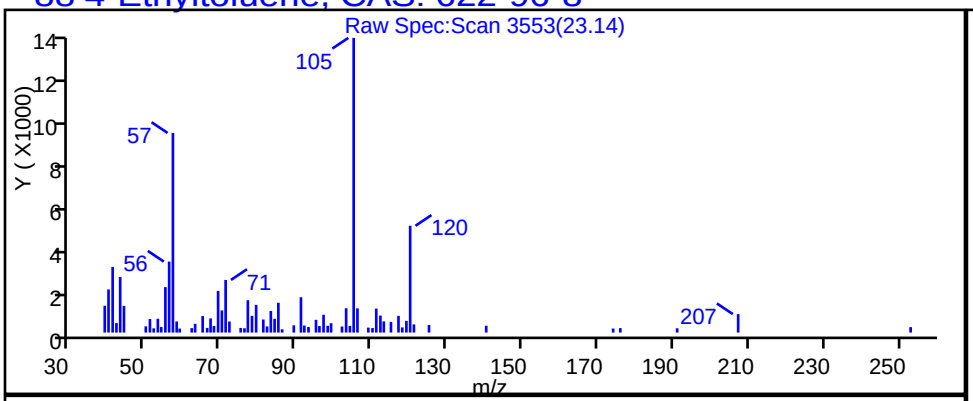


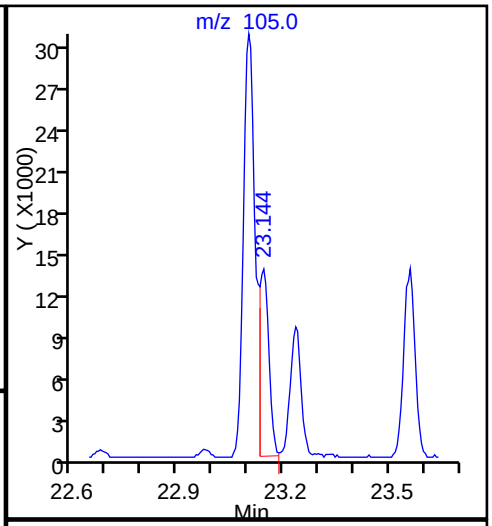


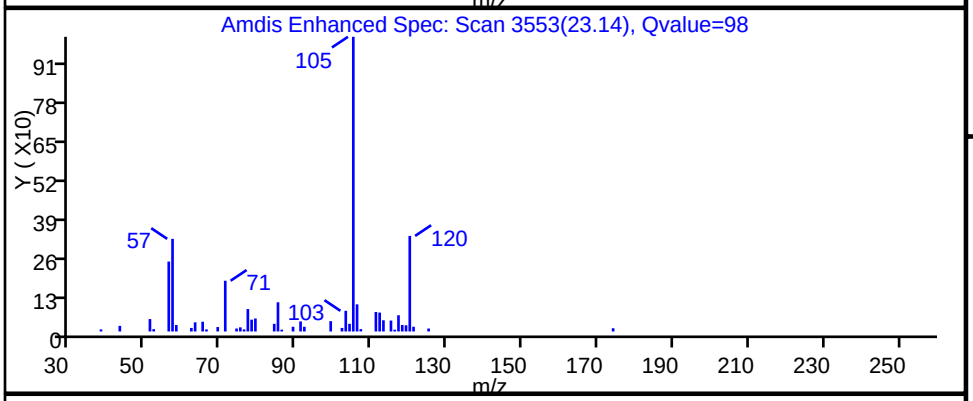
TestAmerica Burlington

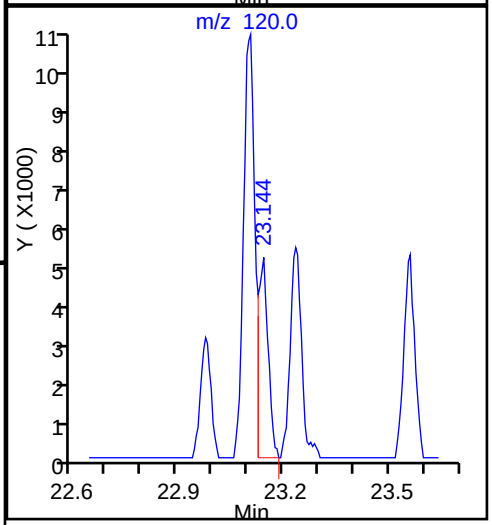
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

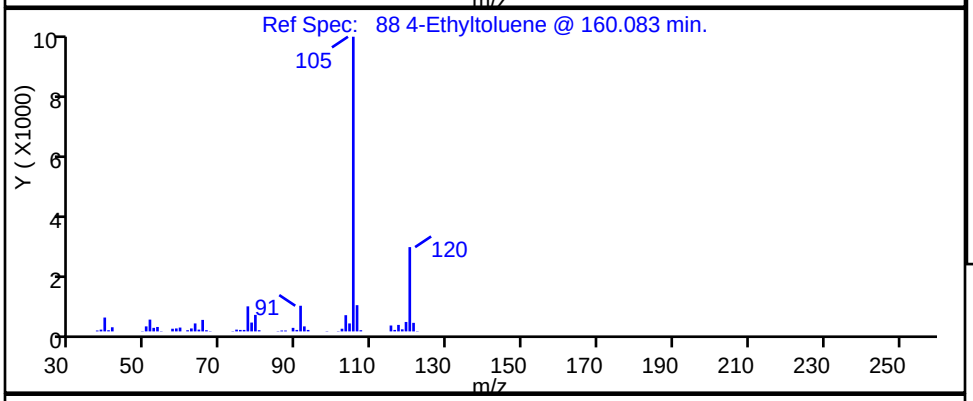
88 4-Ethyltoluene, CAS: 622-96-8

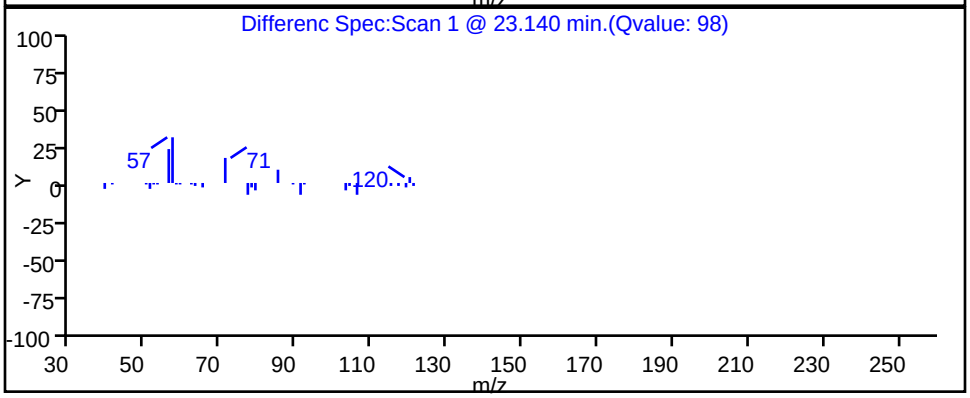








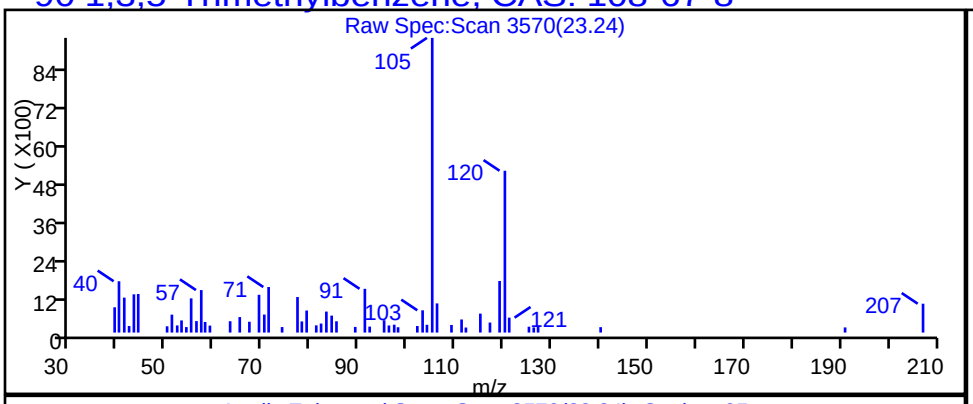


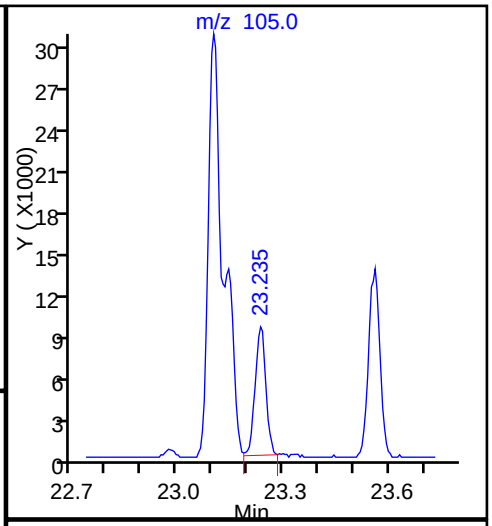


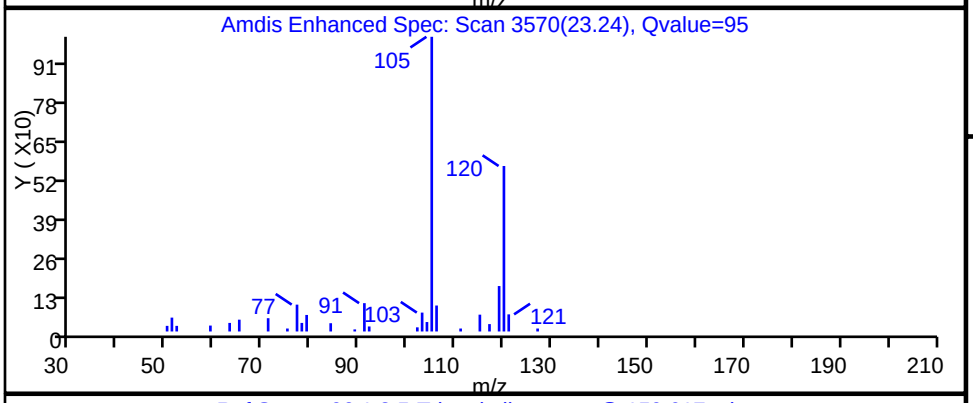
TestAmerica Burlington

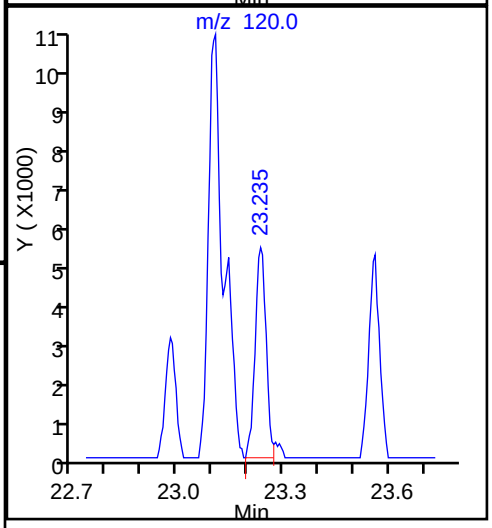
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

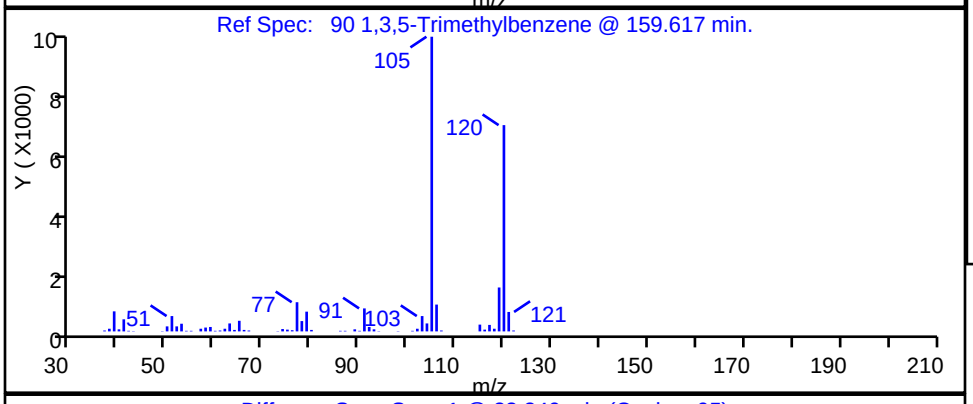
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

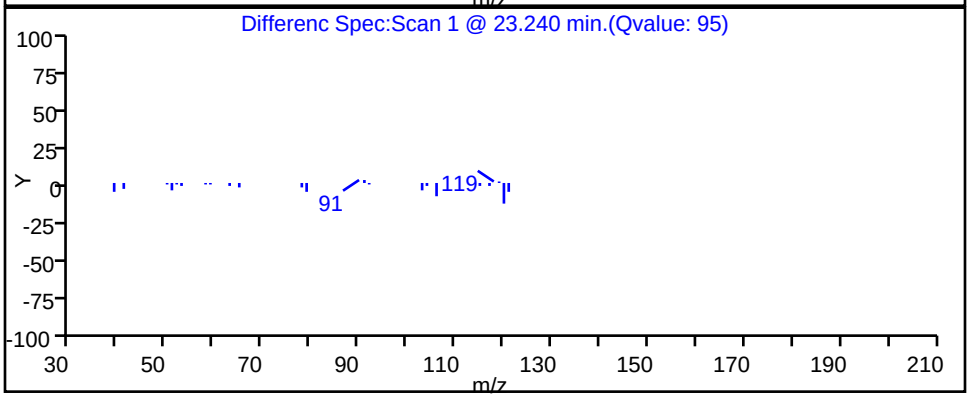








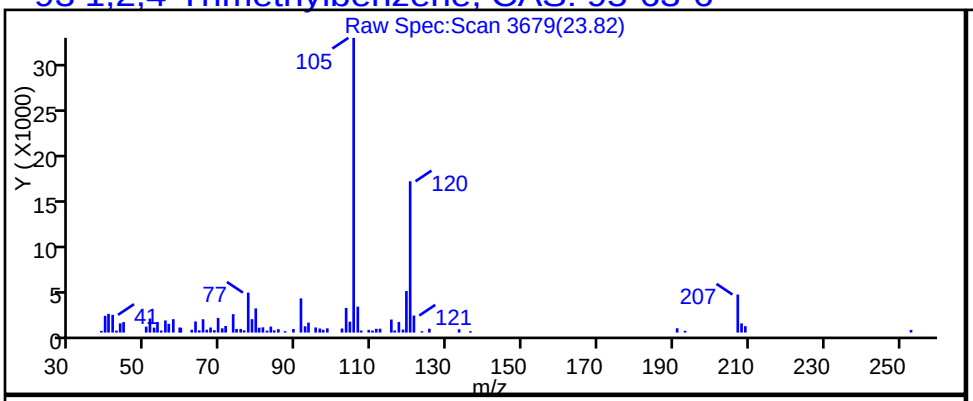


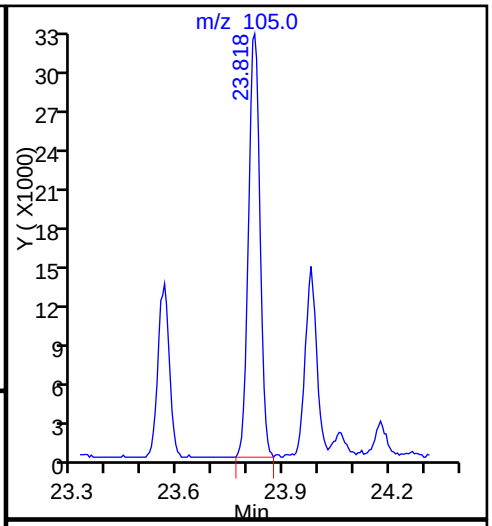


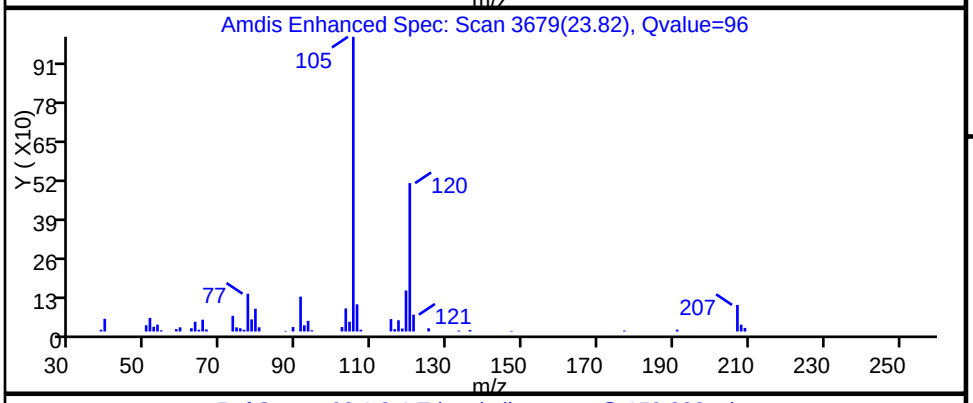
TestAmerica Burlington

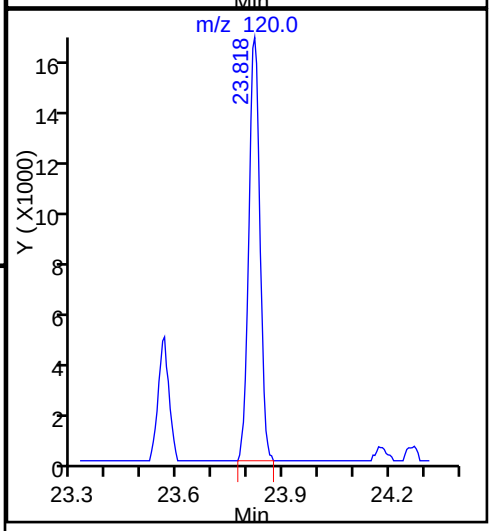
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

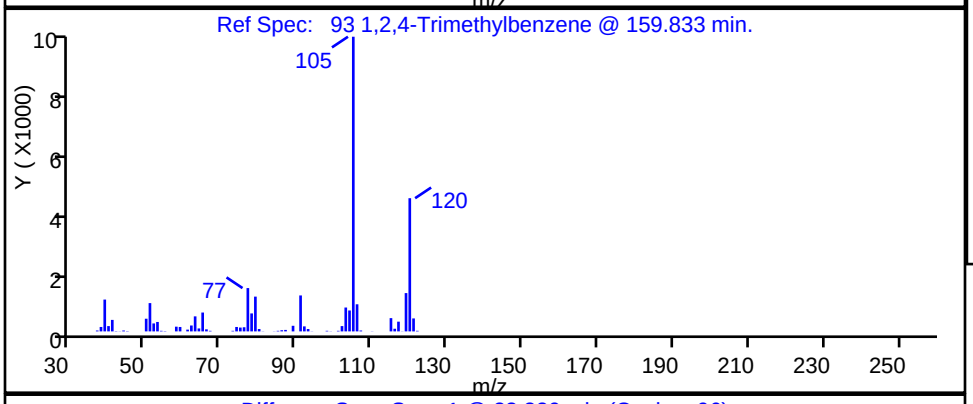
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

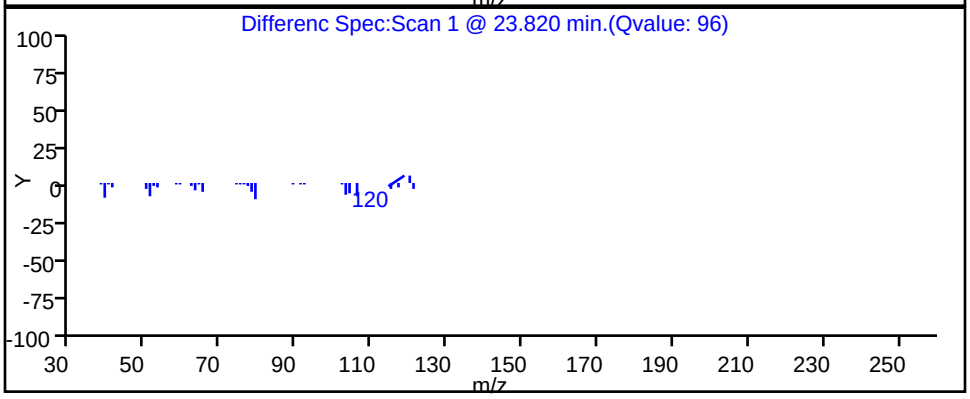








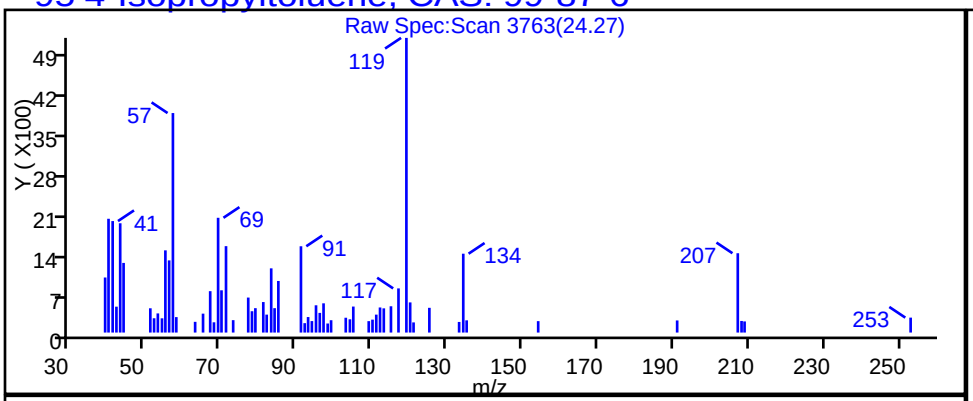


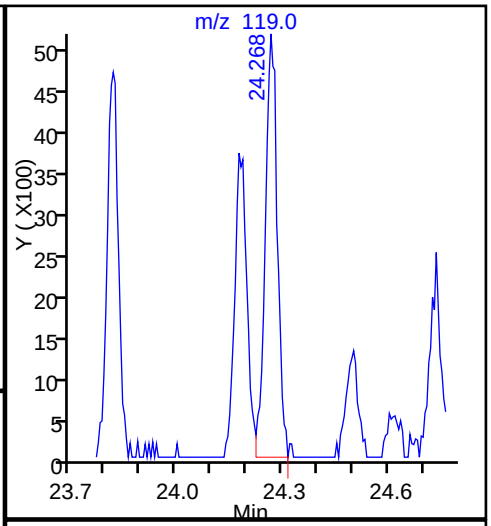


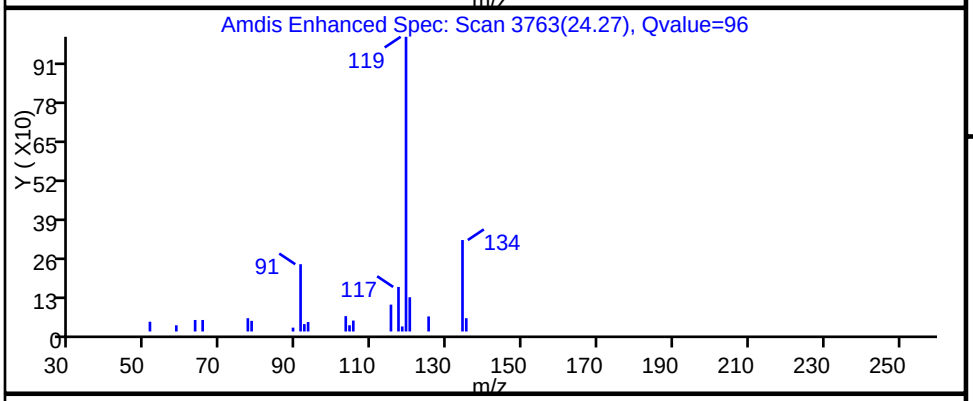
TestAmerica Burlington

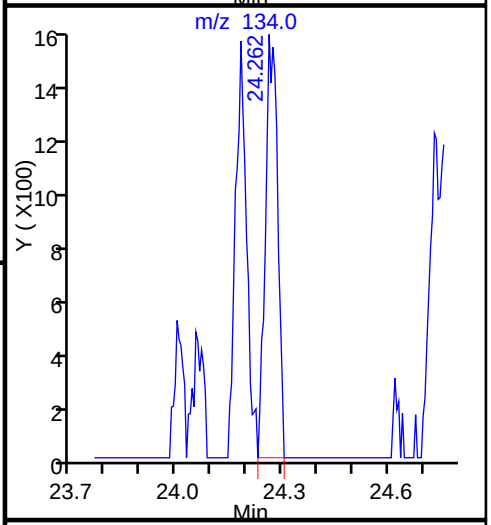
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

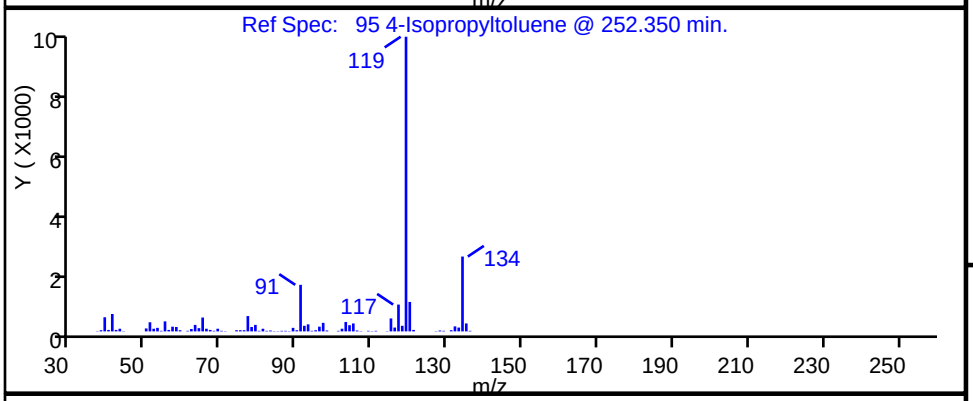
95 4-Isopropyltoluene, CAS: 99-87-6

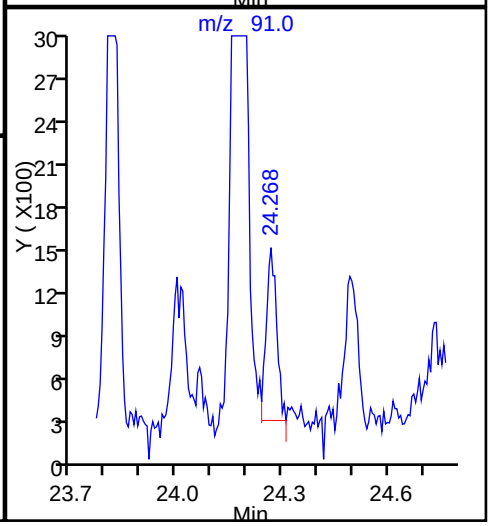


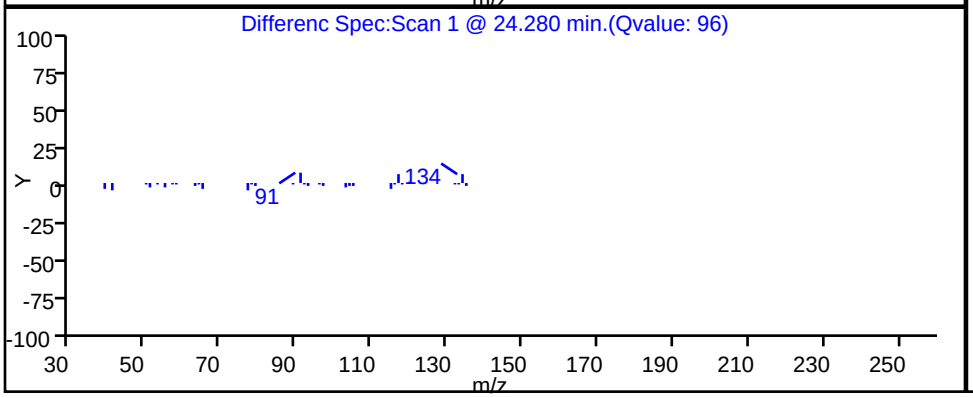








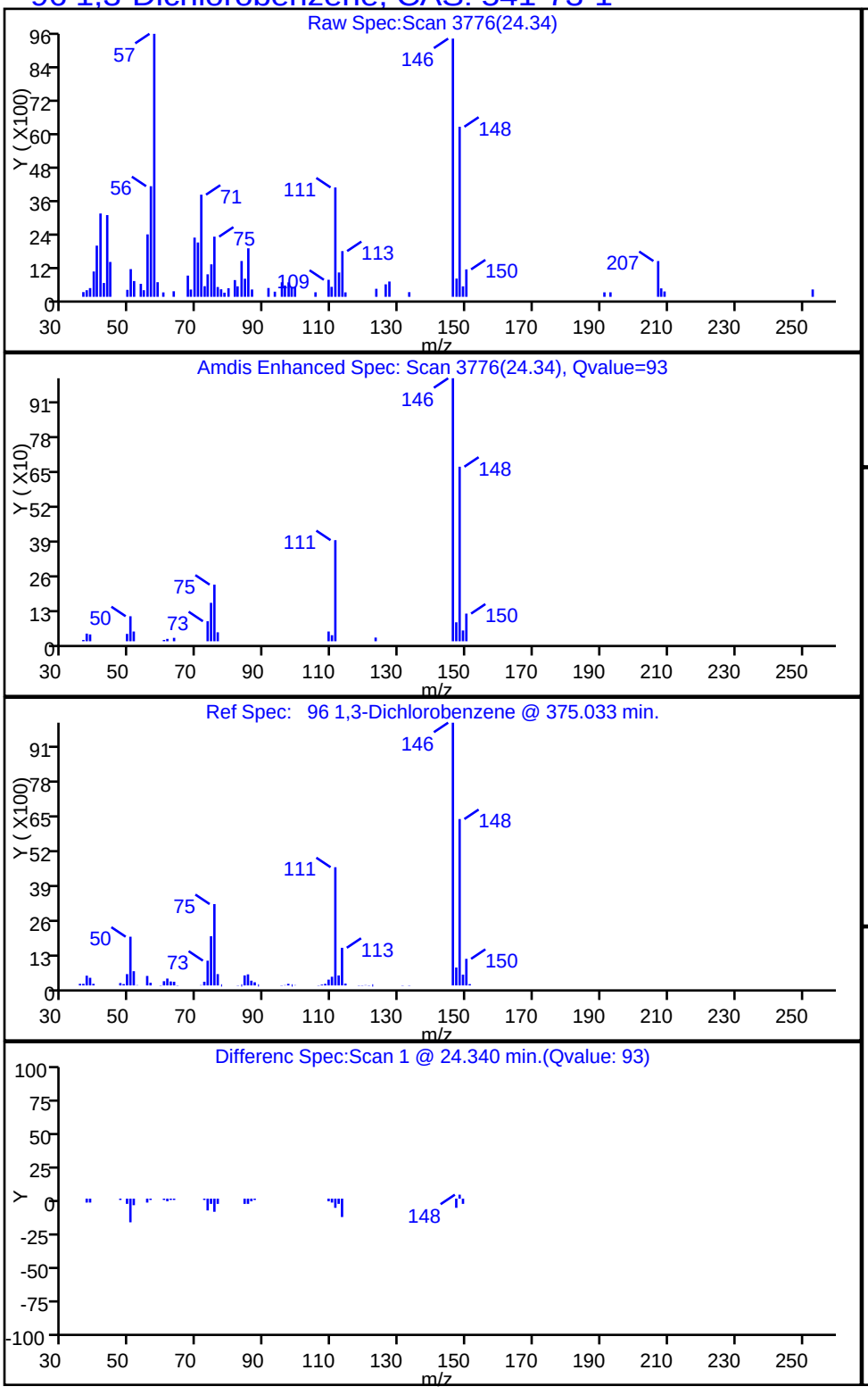


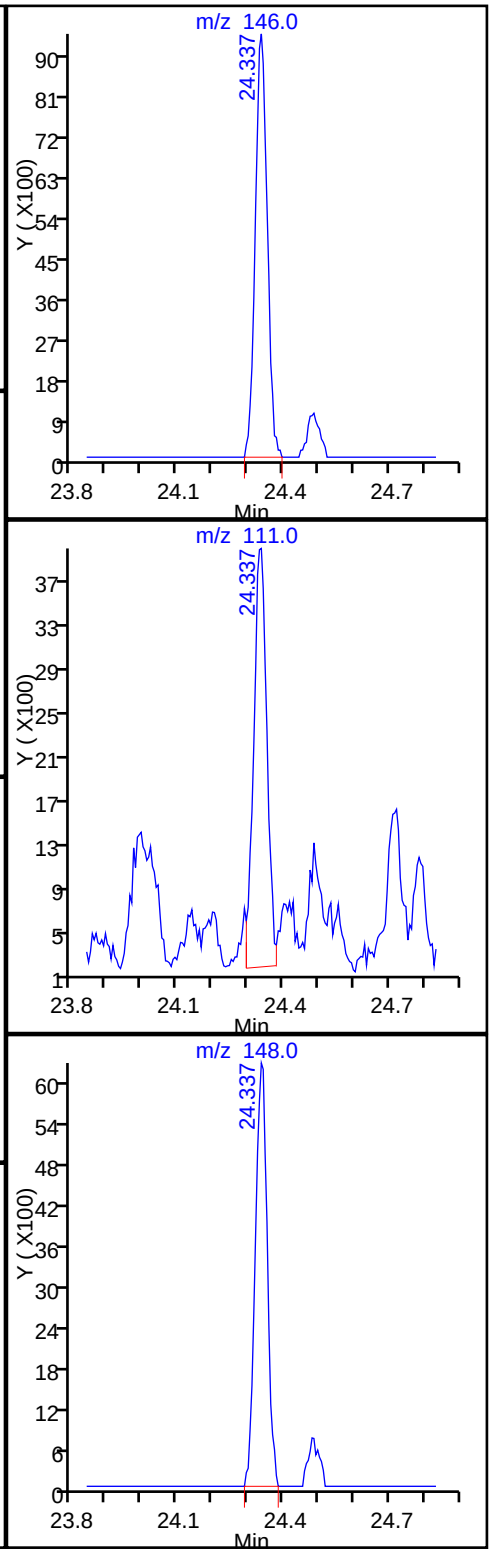


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d
Injection Date: 10-Sep-2015 18:25:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-6 Lab Sample ID: 200-29580-6
Client ID: 776VMP0201NC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

96 1,3-Dichlorobenzene, CAS: 541-73-1

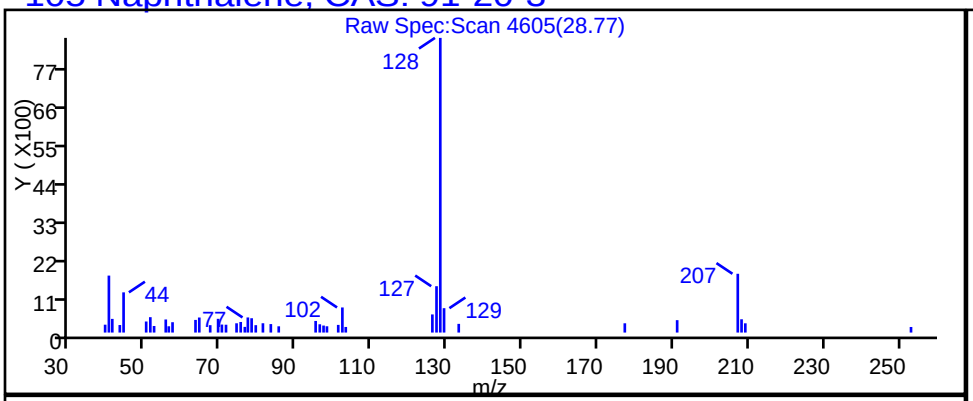


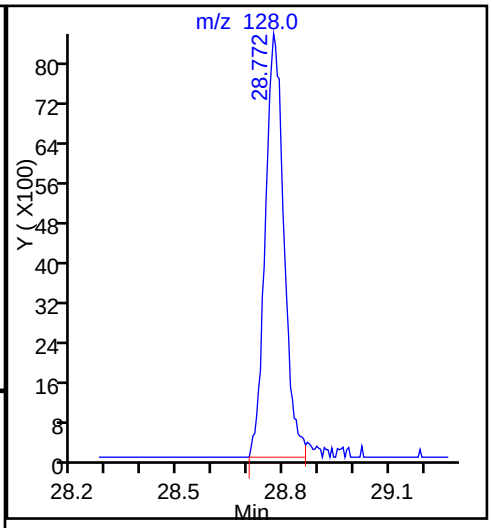


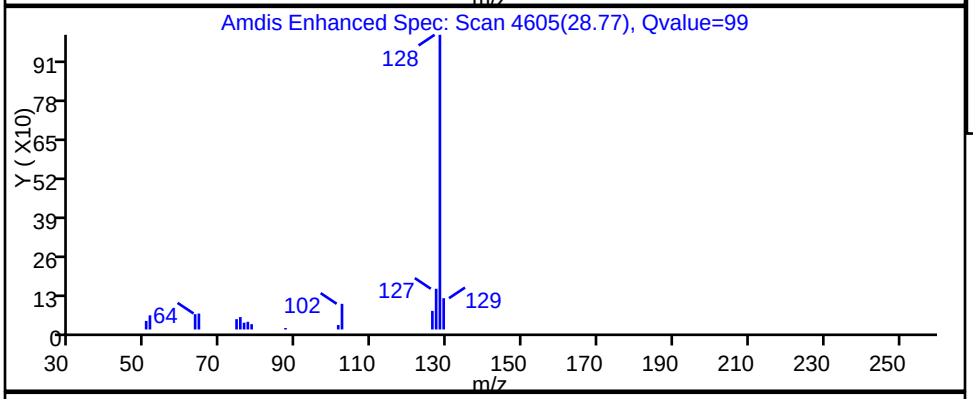
TestAmerica Burlington

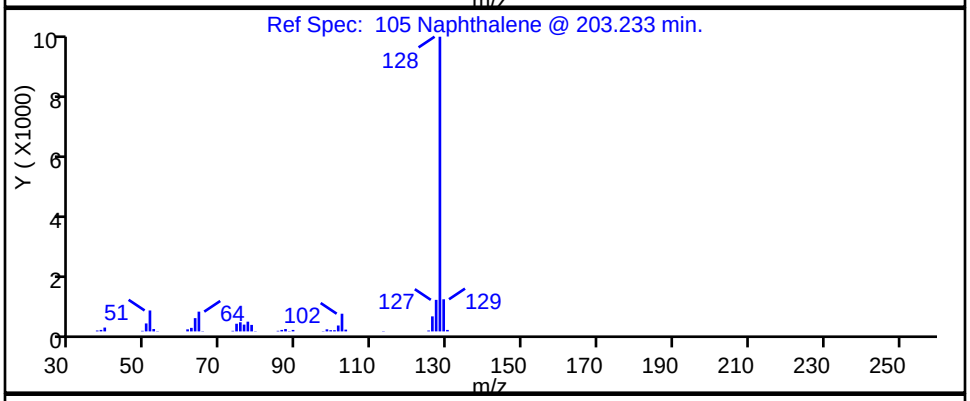
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_013.d				
Injection Date:	10-Sep-2015 18:25:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-6	Lab Sample ID:	200-29580-6		
Client ID:	776VMP0201NC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

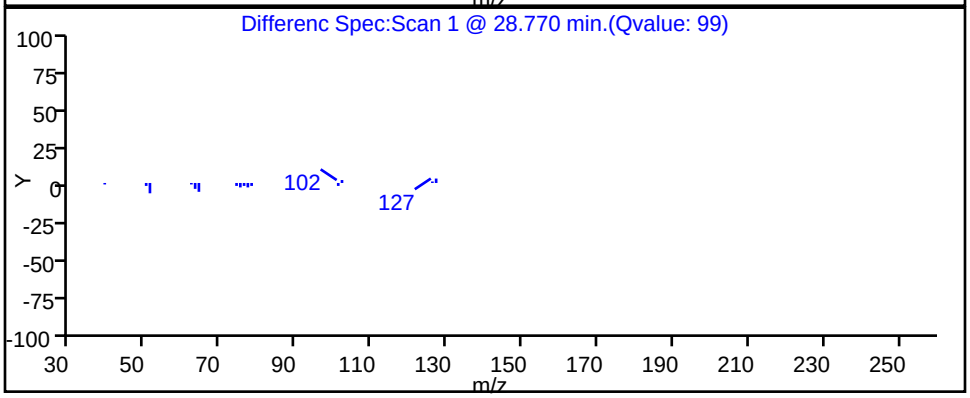
105 Naphthalene, CAS: 91-20-3











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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-7

Matrix: Air Lab File ID: 15679_014.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 19:15

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.56		0.50	0.056
75-45-6	Freon 22	86.47	1.3		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.42	J	0.50	0.060
106-97-8	n-Butane	58.12	2.2		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.27		0.20	0.045
76-13-1	Freon TF	187.38	0.12	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	15		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	17		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.11	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.14	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.79	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.33		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.1		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.13	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.12	J	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.098	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.046	J	0.20	0.023
71-43-2	Benzene	78.11	0.13	J M	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA | Lab Sample ID: 200-29580-7

Matrix: Air | Lab File ID: 15679_014.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 19:15

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.086	J	0.20	0.037
79-01-6	Trichloroethene	131.39	0.14	J	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	J	0.50	0.18
108-88-3	Toluene	92.14	1.3		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	2.3		0.20	0.020
179601-23-1	m,p-Xylene	106.17	2.2		0.50	0.025
95-47-6	Xylene, o-	106.17	0.83		0.20	0.018
1330-20-7	Xylene (total)	106.17	3.0		0.70	0.041
100-42-5	Styrene	104.15	0.21		0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.17	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.13	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.17	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.53		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.061	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.20		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-7

Matrix: Air Lab File ID: 15679_014.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 19:15

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.16	J	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA | Lab Sample ID: 200-29580-7

Matrix: Air | Lab File ID: 15679_014.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 19:15

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.8		2.5	0.28
75-45-6	Freon 22	86.47	4.6		1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.87	J	1.0	0.12
106-97-8	n-Butane	58.12	5.2		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.5		1.1	0.25
76-13-1	Freon TF	187.38	0.89	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	35		12	1.6
67-63-0	Isopropyl alcohol	60.10	42		12	0.37
75-15-0	Carbon disulfide	76.14	0.34	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.48	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	2.4	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	1.2		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	3.2		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.62	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.58	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.41	J	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.62	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.21	J	0.93	0.11
71-43-2	Benzene	78.11	0.41	J M	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-7

Matrix: Air Lab File ID: 15679_014.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 19:15

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.35	J	0.82	0.15
79-01-6	Trichloroethene	131.39	0.76	J	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	J	2.0	0.74
108-88-3	Toluene	92.14	4.9		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	10		0.87	0.087
179601-23-1	m,p-Xylene	106.17	9.6		2.2	0.11
95-47-6	Xylene, o-	106.17	3.6		0.87	0.078
1330-20-7	Xylene (total)	106.17	13		3.0	0.18
100-42-5	Styrene	104.15	0.91		0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.82	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.65	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.82	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.73	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	2.6		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.34	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.2		1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-7

Matrix: Air Lab File ID: 15679_014.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:00

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 19:15

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.85	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Sample Type: Client
Inject. Date: 10-Sep-2015 19:15:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-014
Misc. Info.: 29580-7
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:06:03 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:06:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.415	4.415	0.000	99	44110	0.5619	
3 Chlorodifluoromethane	51	4.490	4.485	0.005	96	45541	1.29	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.993	4.998	-0.005	97	8579	0.4211	
6 Butane	43	5.282	5.282	0.000	98	64600	2.18	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.288	0.005	97	23594	0.2729	
20 1,1,2-Trichloro-1,2,2-trif	101	8.599	8.593	0.006	95	7586	0.1165	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.946	8.946	0.000	96	469590	14.9	
23 Carbon disulfide	76	9.166	9.166	0.000	95	8379	0.1106	
24 Isopropyl alcohol	45	9.230	9.224	0.006	100	467009	17.1	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.931	9.931	0.000	82	3379	0.1374	
28 2-Methyl-2-propanol	59	10.129	10.123	0.006	95	34271	0.7914	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.861	10.856	0.005	87	13011	0.3271	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.659	12.654	0.005	99	17528	1.10	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	71	243651	10.0	
41 Tetrahydrofuran	42	13.124	13.114	0.010	39	4482	0.1964	
42 Chloroform	83	13.210	13.221	-0.011	94	8111	0.1263	
43 Cyclohexane	84	13.515	13.515	0.000	95	5246	0.1179	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.793	13.788	0.005	42	6843	0.0978	
46 Isooctane	57	14.184	14.189	-0.005	93	5891	0.0460	
47 Benzene	78	14.259	14.259	0.001	95	12761	0.1298	M
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43	14.542	14.537	0.005	74	3453	0.0859	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1142465	10.0	
53 Trichloroethene	95	15.473	15.484	-0.011	93	6568	0.1423	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.629	0.005	94	10190	0.2008	
65 Toluene	92	17.961	17.960	0.001	94	102070	1.29	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43	19.277	19.266	0.011	95	5736	0.1136	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		3.05	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1093335	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.898	20.903	-0.005	97	393653	2.30	
78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	100	157742	2.22	
79 o-Xylene	106	21.802	21.807	-0.005	98	60785	0.8303	
80 Styrene	104	21.839	21.839	0.000	92	23974	0.2139	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.353	22.353	0.000	95	34714	0.1664	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.979	22.979	0.000	100	31983	0.1331	
88 4-Ethyltoluene	105	23.139	23.144	-0.005	96	35529	0.1661	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.230	23.235	-0.005	94	26903	0.1476	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	96820	0.5262	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	97	14212	0.0612	
96 1,3-Dichlorobenzene	146	24.332	24.337	-0.005	94	28883	0.2030	
97 1,4-Dichlorobenzene	146	24.482	24.487	-0.005	44	2548	0.0179	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.772	28.772	0.000	99	36077	0.1618	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

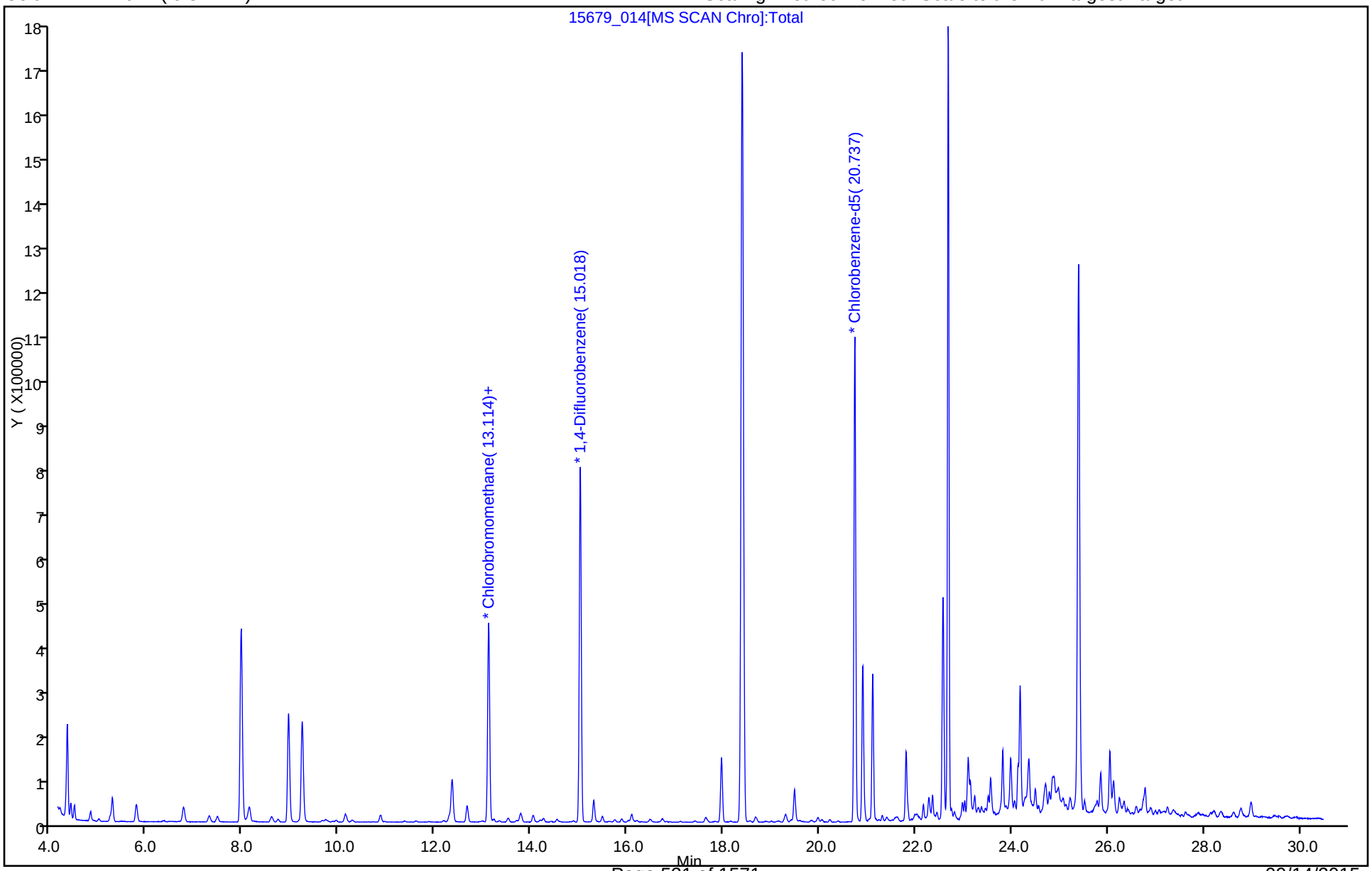
Report Date: 11-Sep-2015 11:06:03 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d

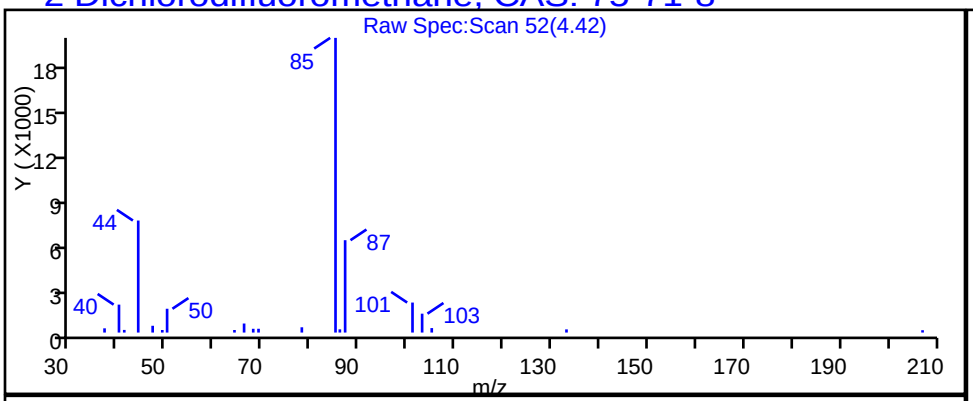
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7	Worklist Smp#:	14
Client ID:	776VMP0201NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

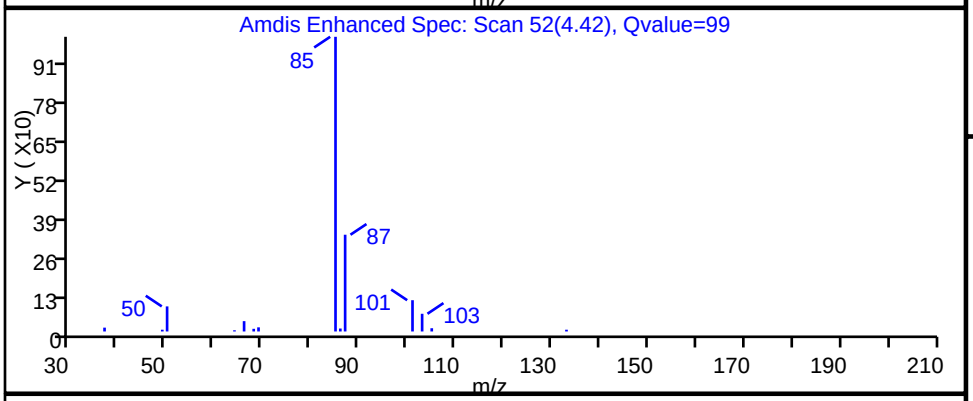
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

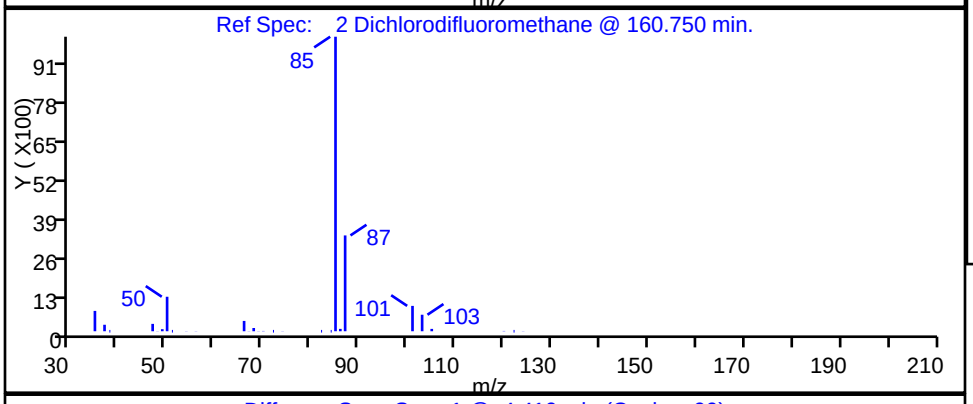


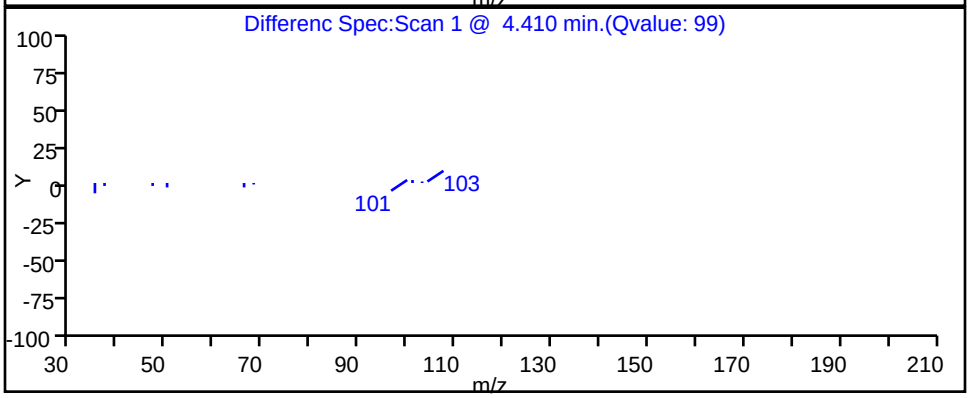
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

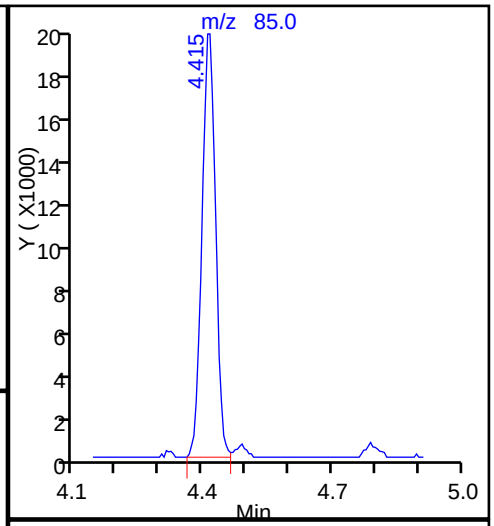
2 Dichlorodifluoromethane, CAS: 75-71-8

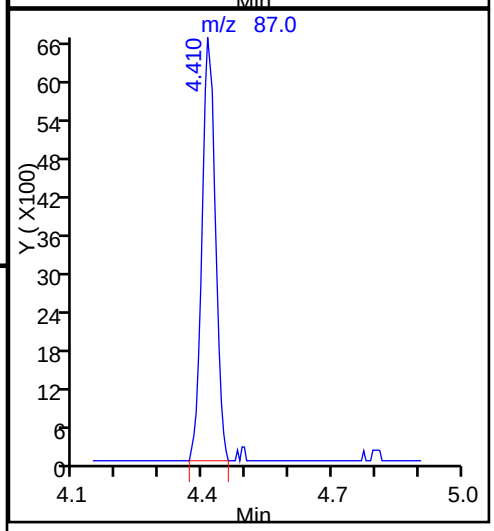








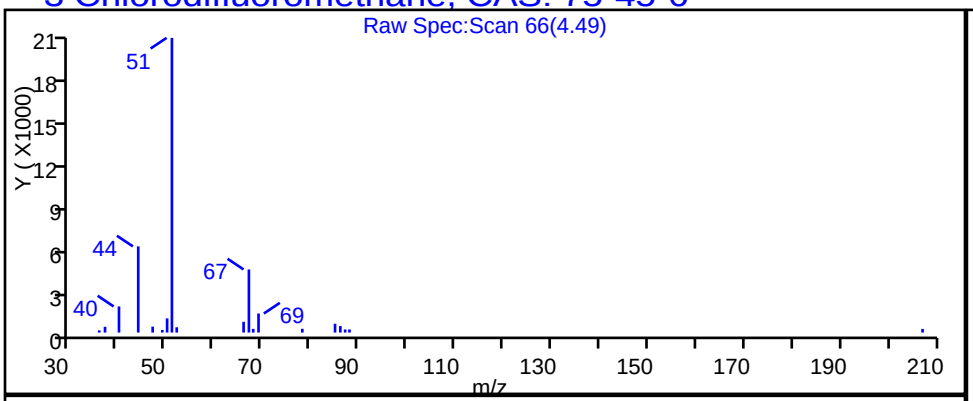


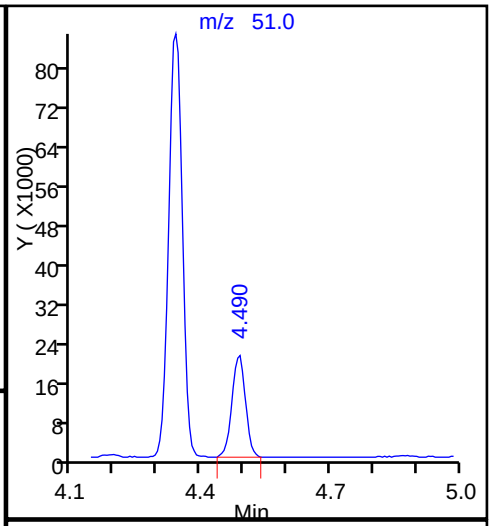


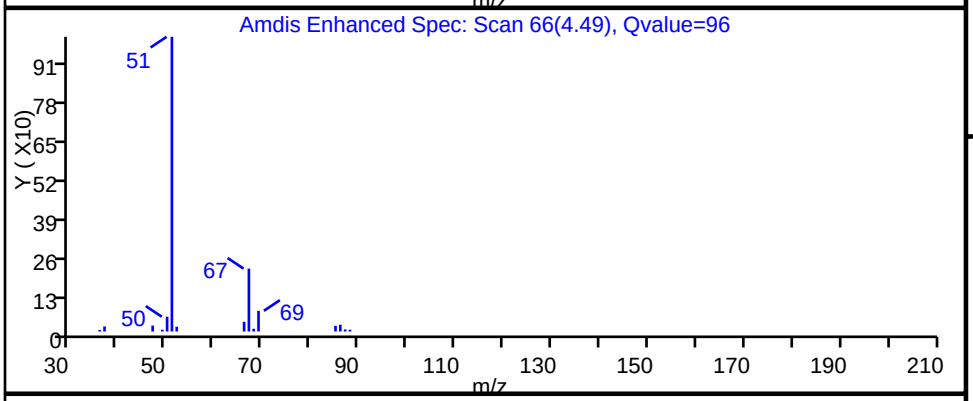
TestAmerica Burlington

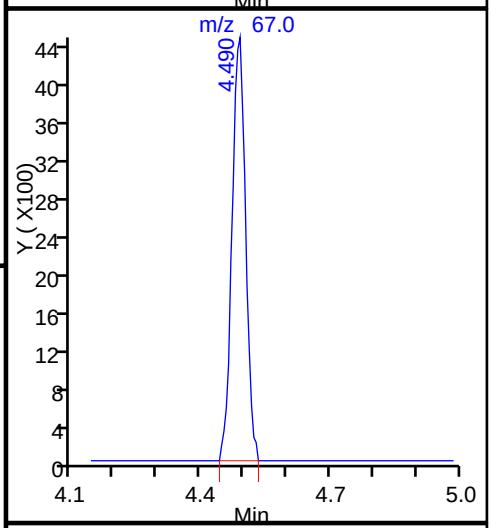
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

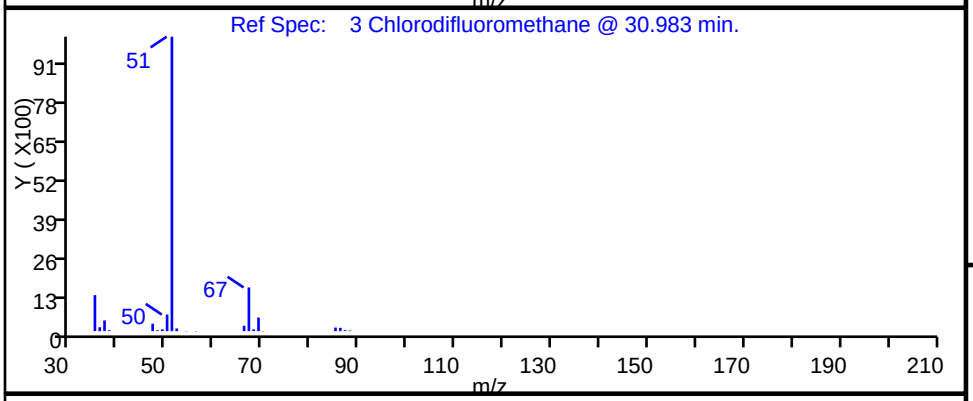
3 Chlorodifluoromethane, CAS: 75-45-6

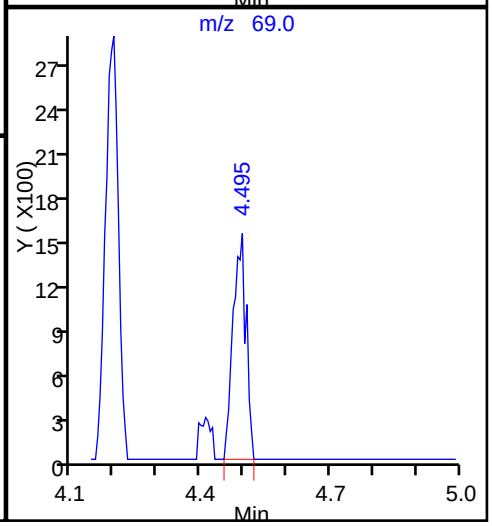


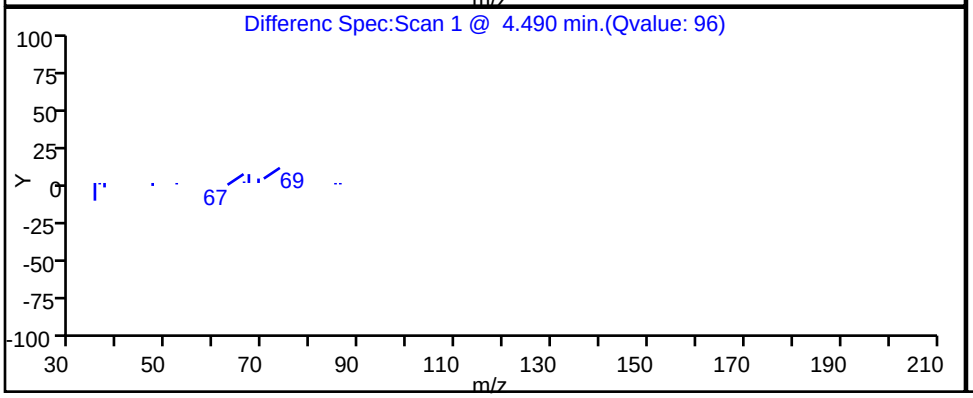










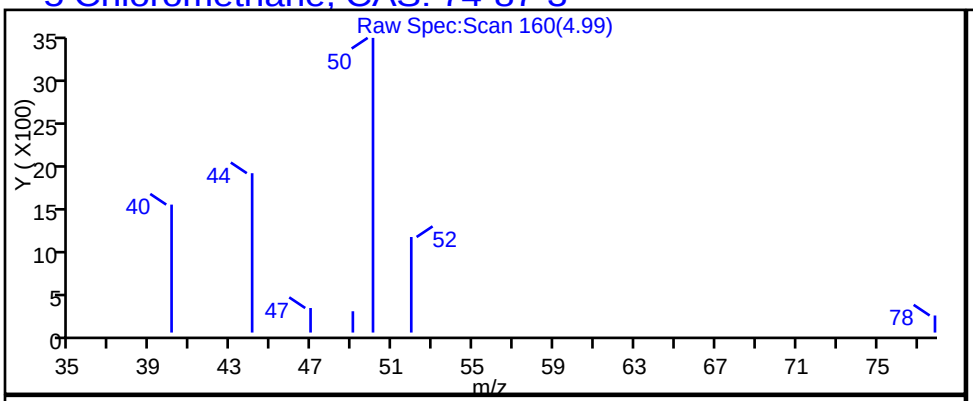


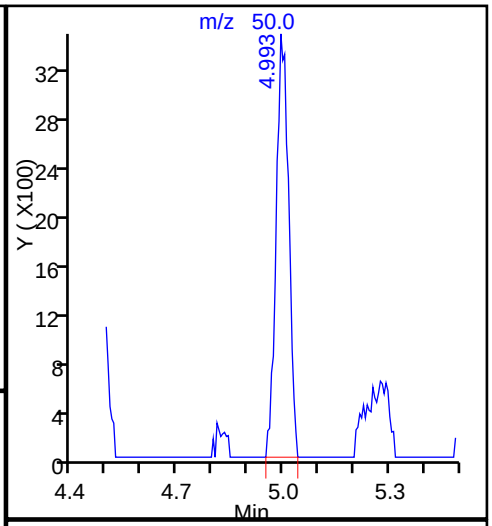
TestAmerica Burlington

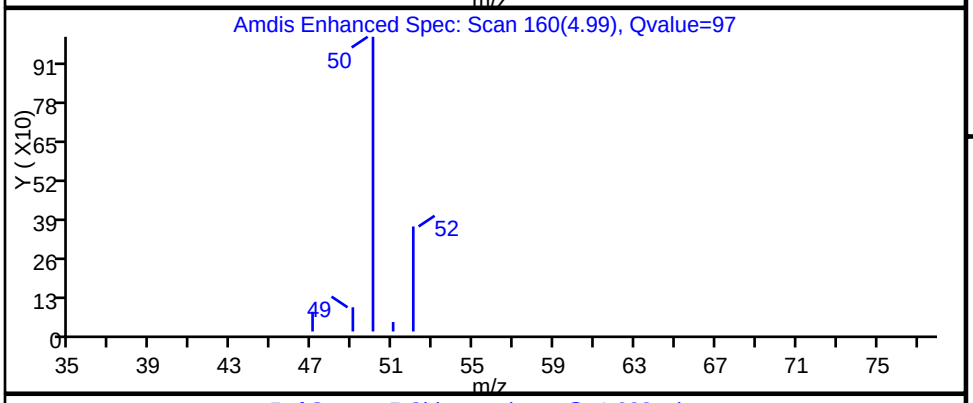
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d

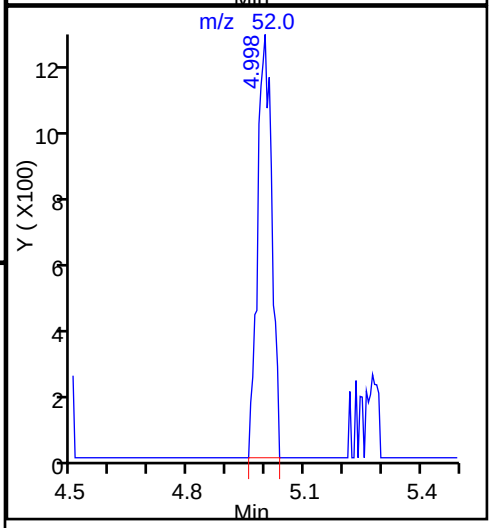
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

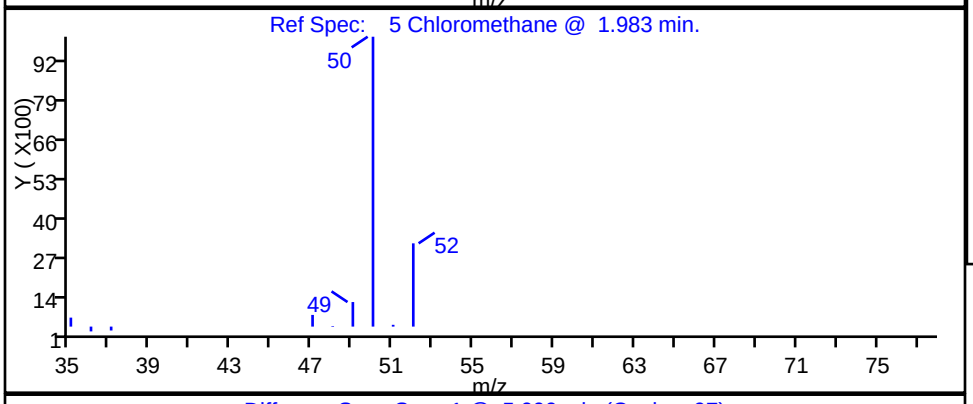
5 Chloromethane, CAS: 74-87-3

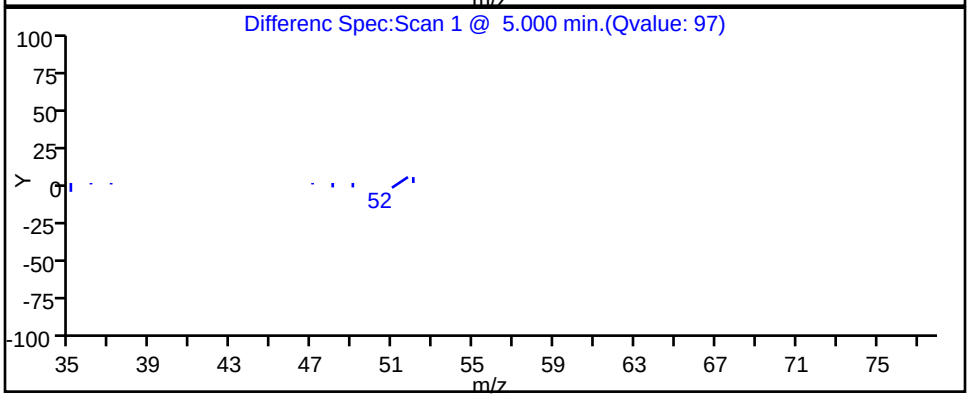








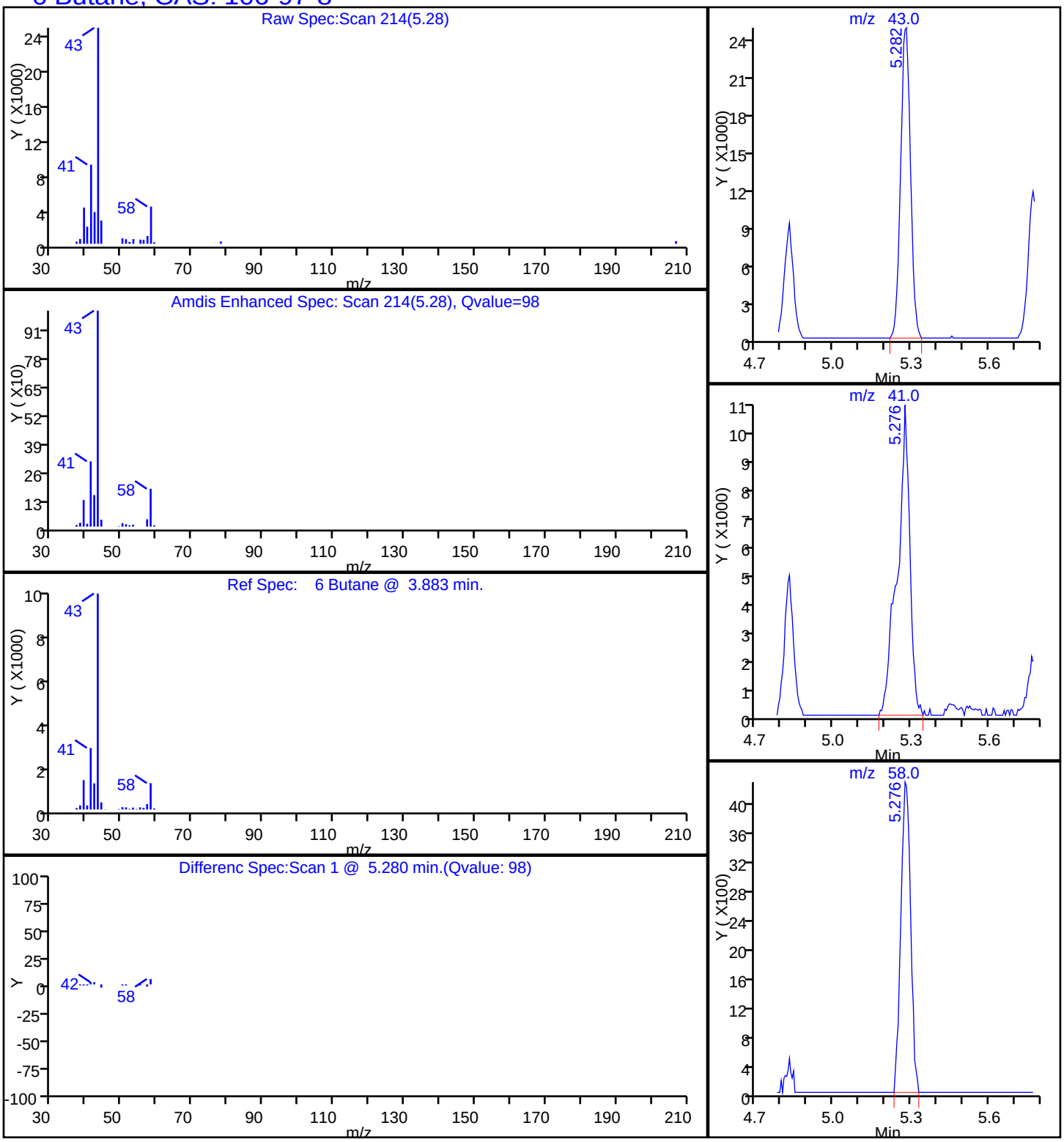




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

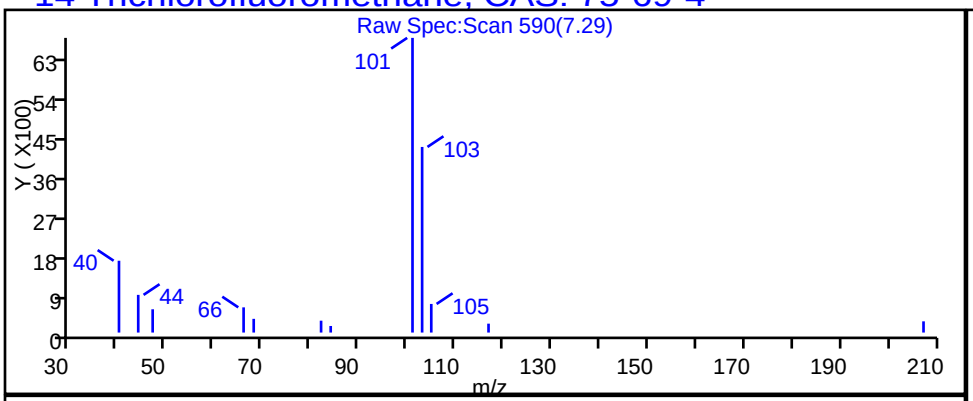
6 Butane, CAS: 106-97-8

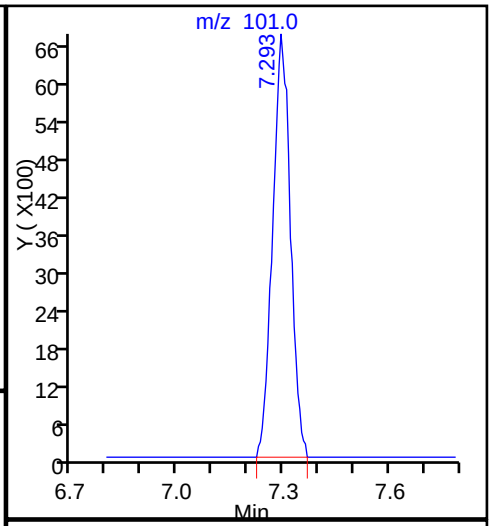


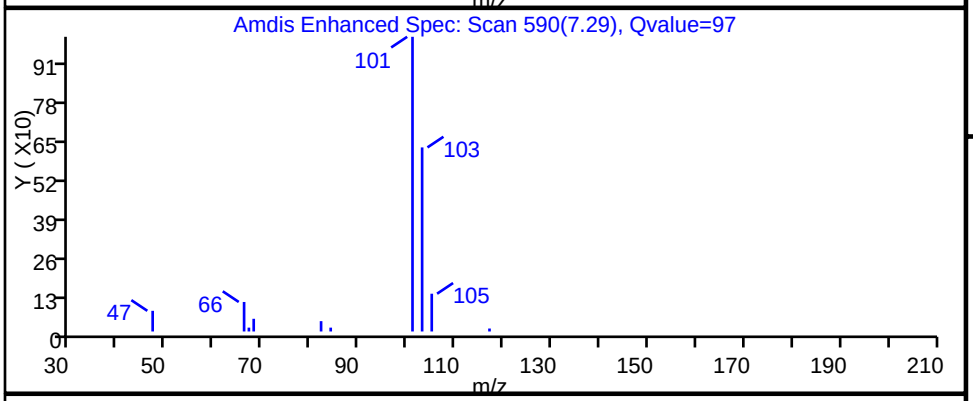
TestAmerica Burlington

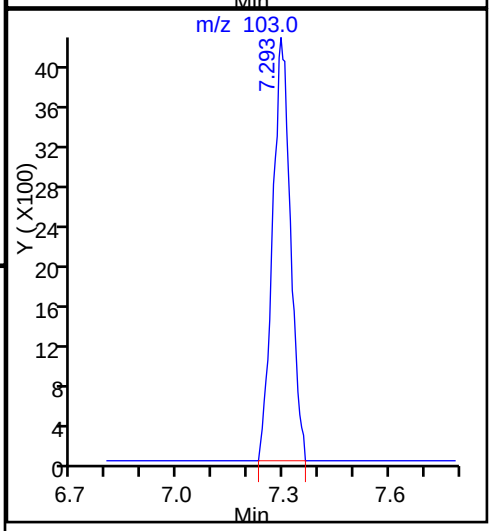
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

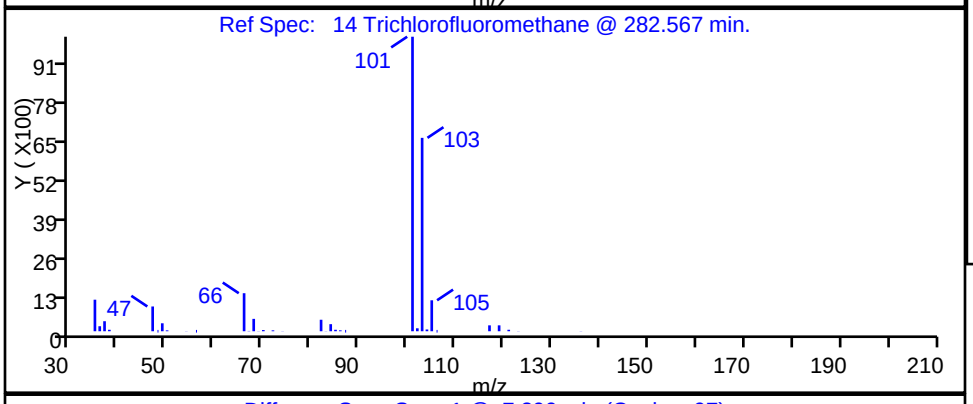
14 Trichlorofluoromethane, CAS: 75-69-4

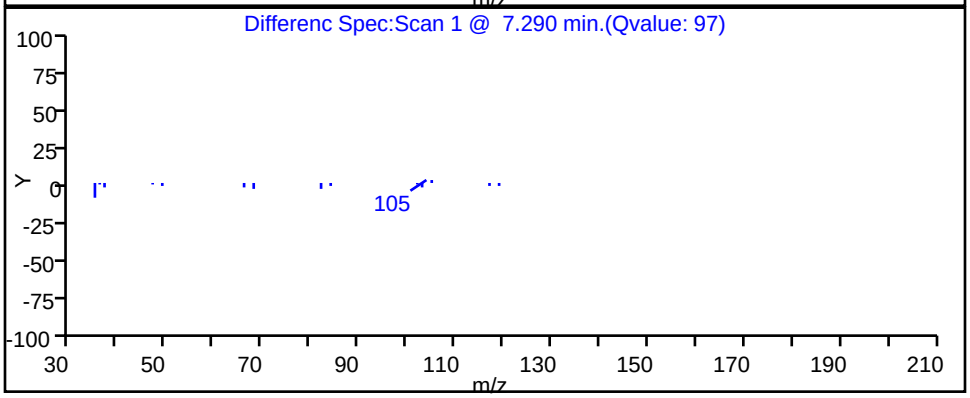






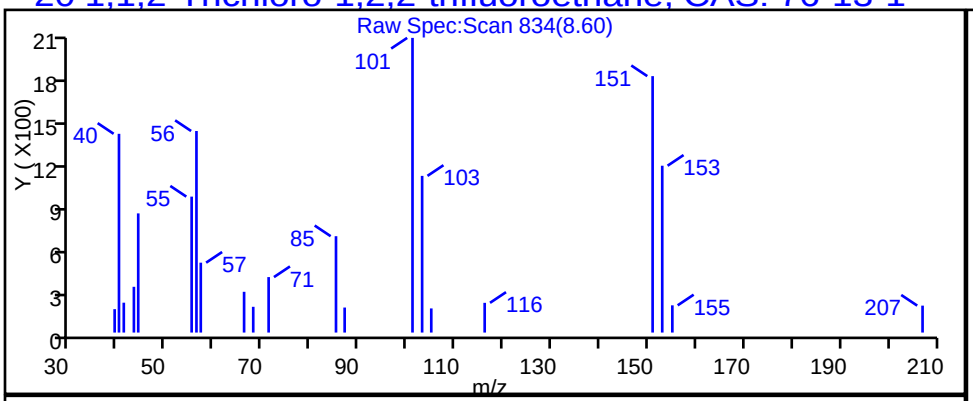


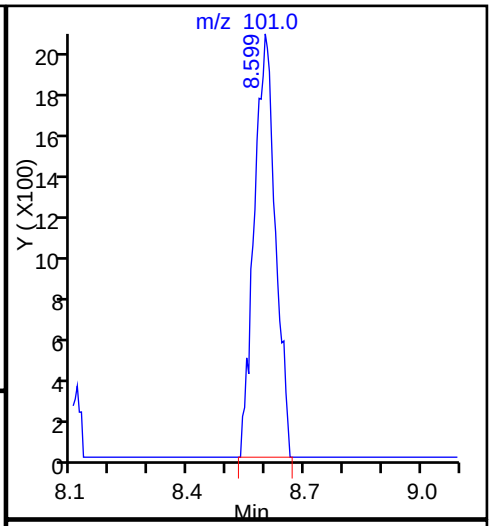


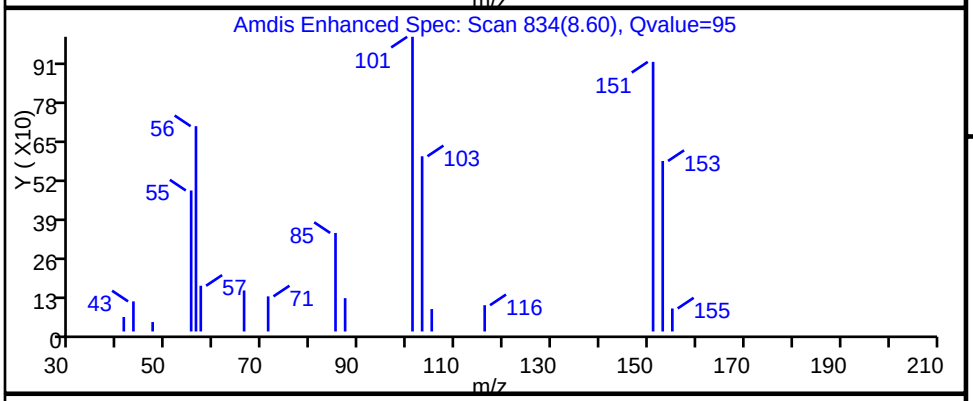


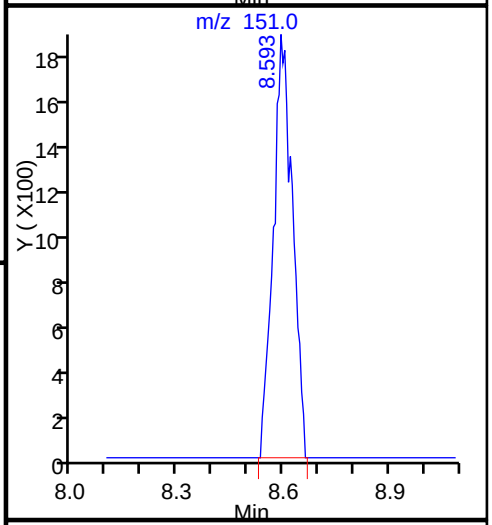
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

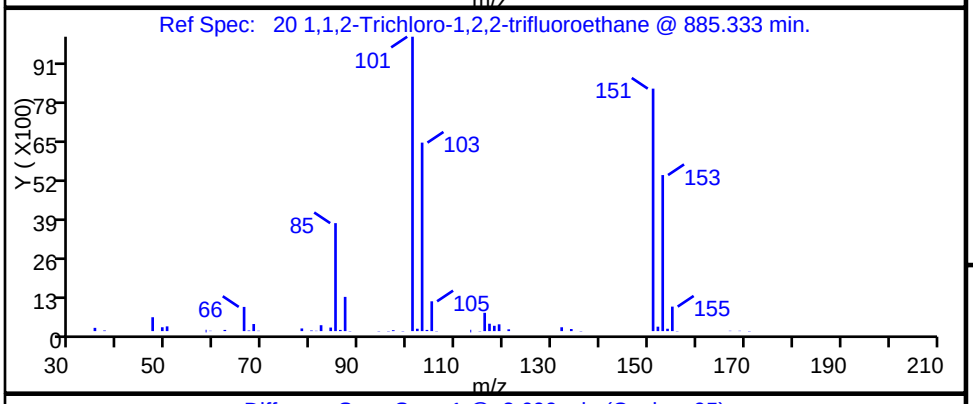
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

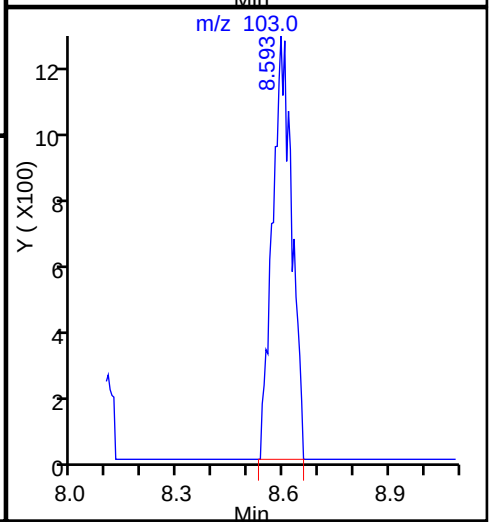


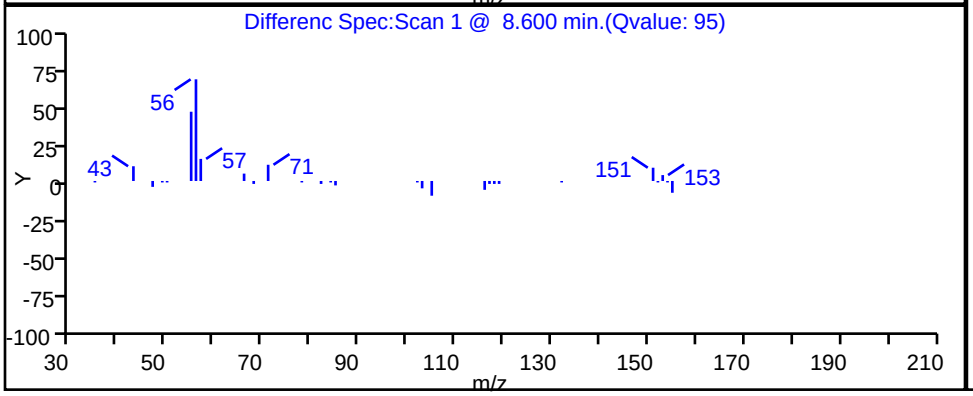






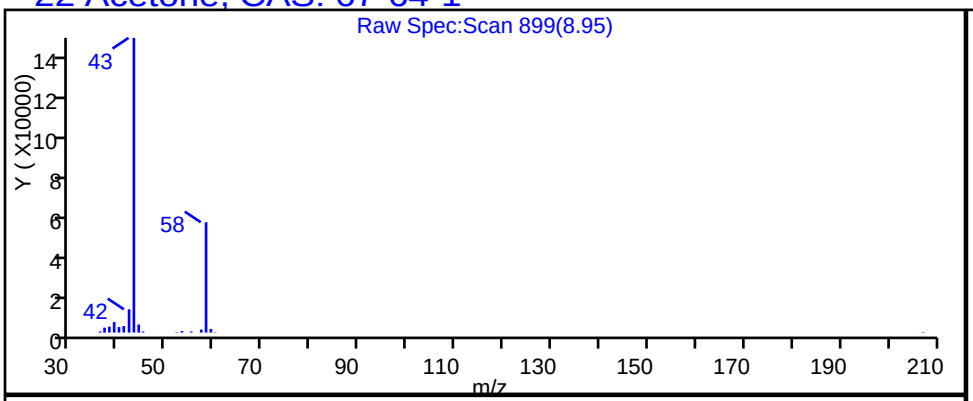


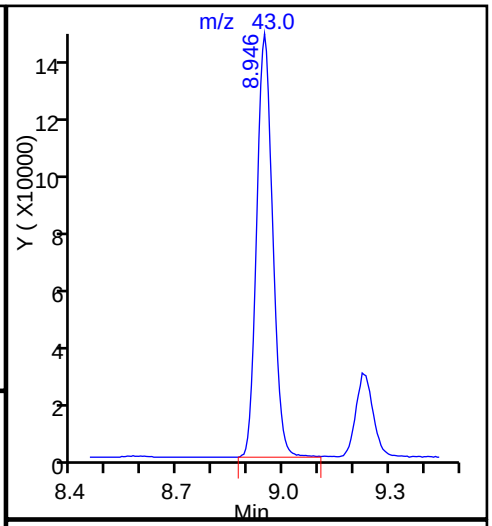


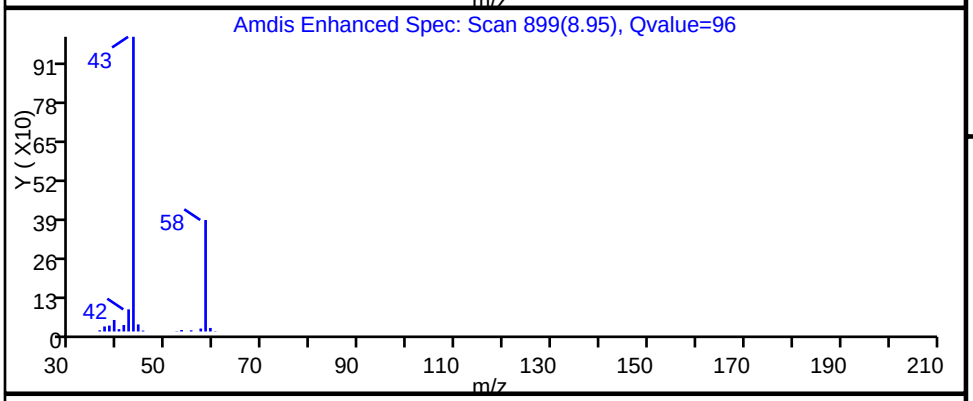


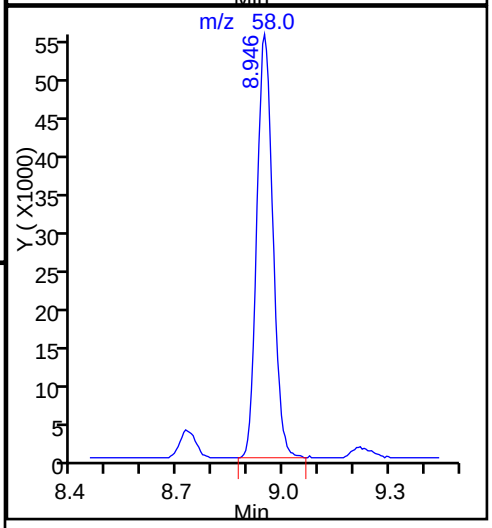
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

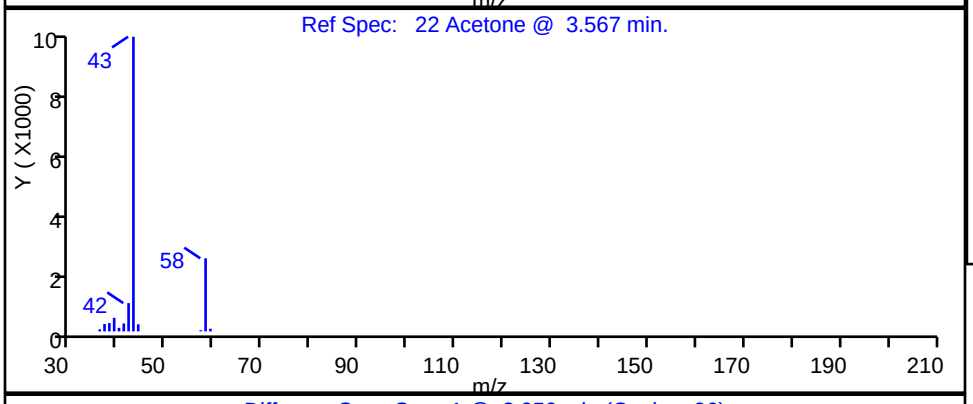
22 Acetone, CAS: 67-64-1

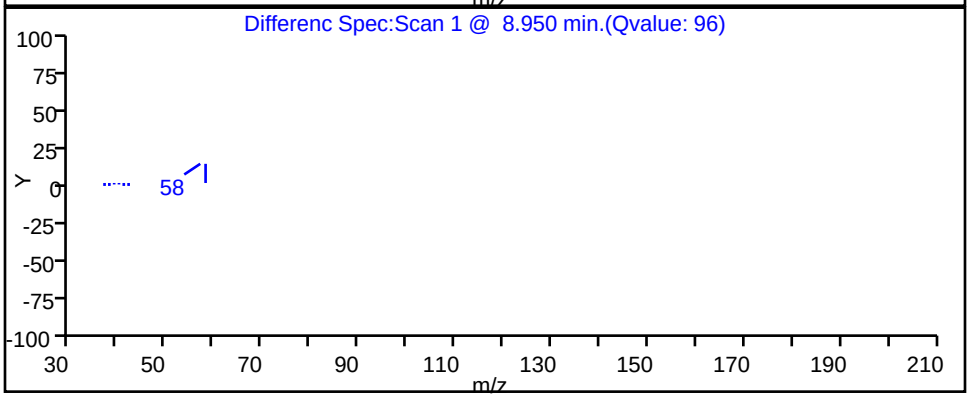






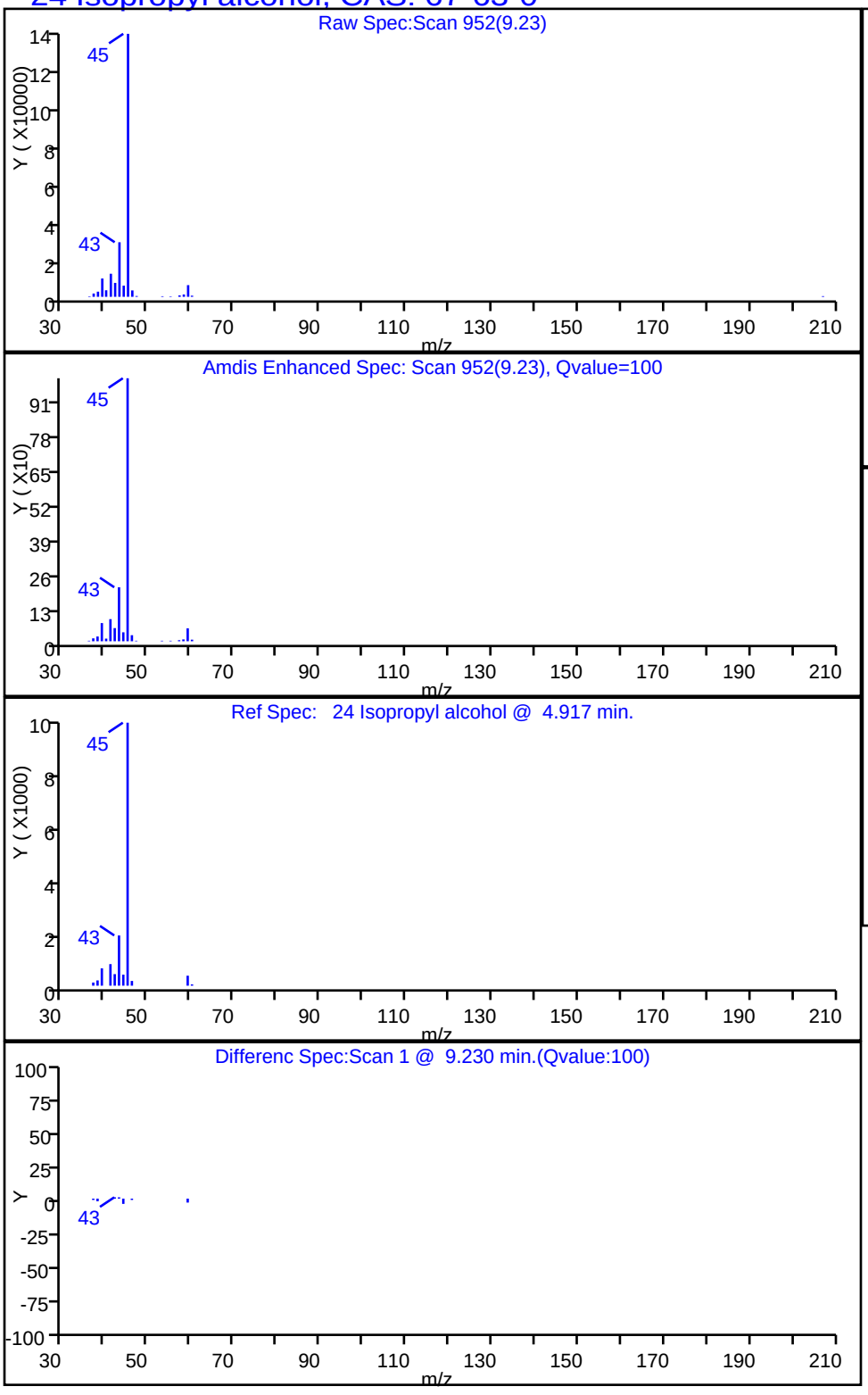


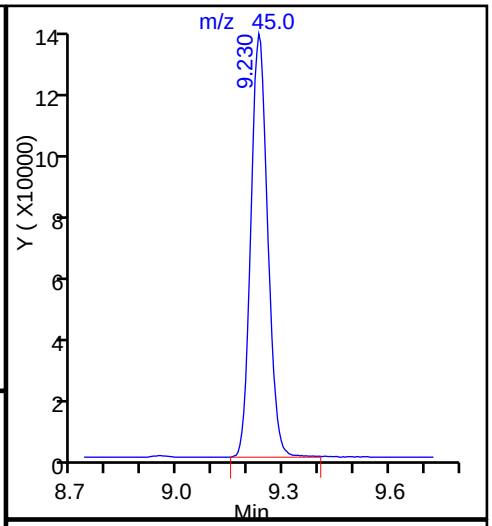


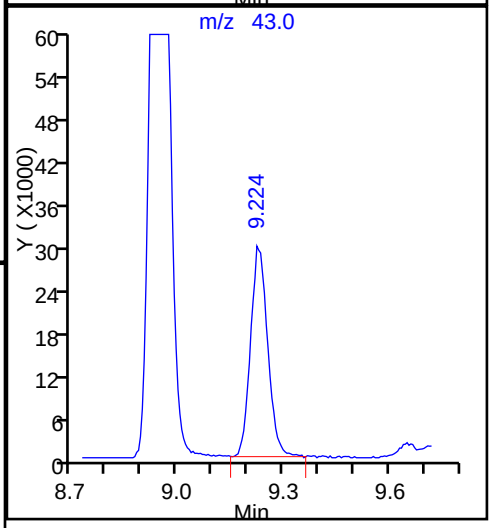


Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

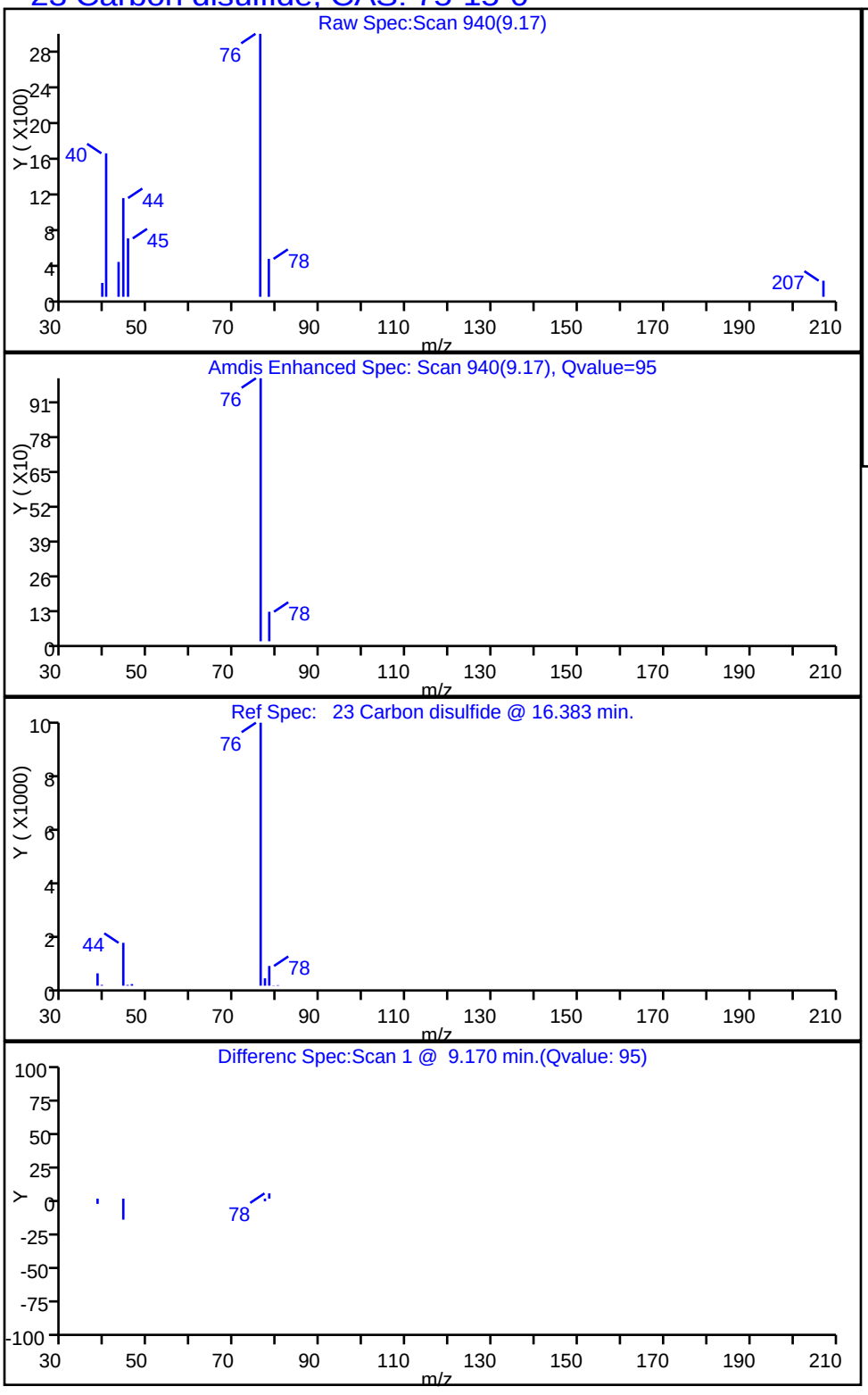


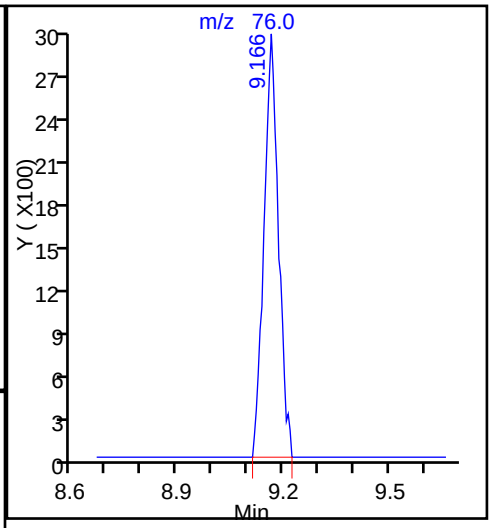




Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

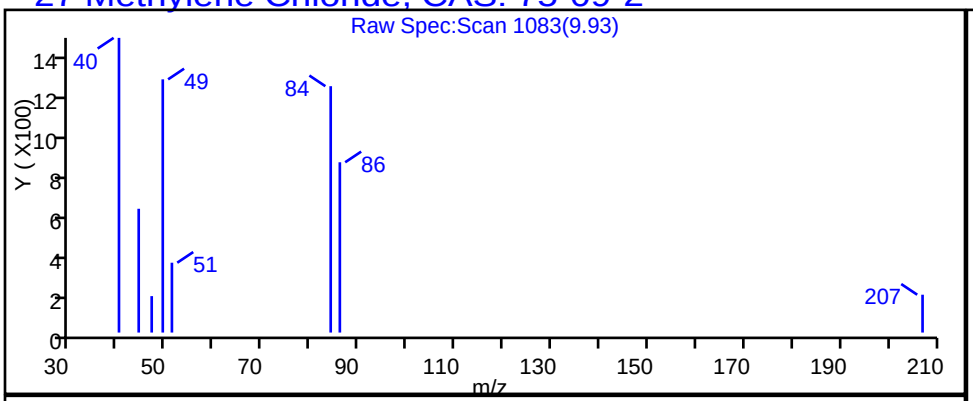


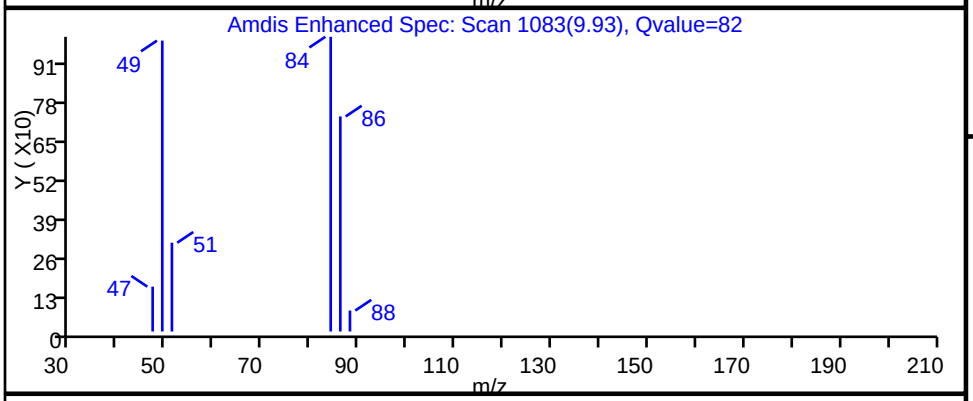


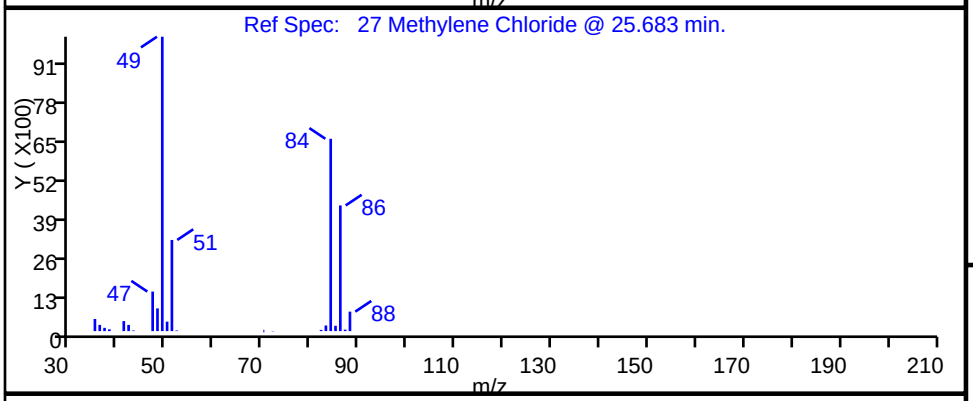
TestAmerica Burlington

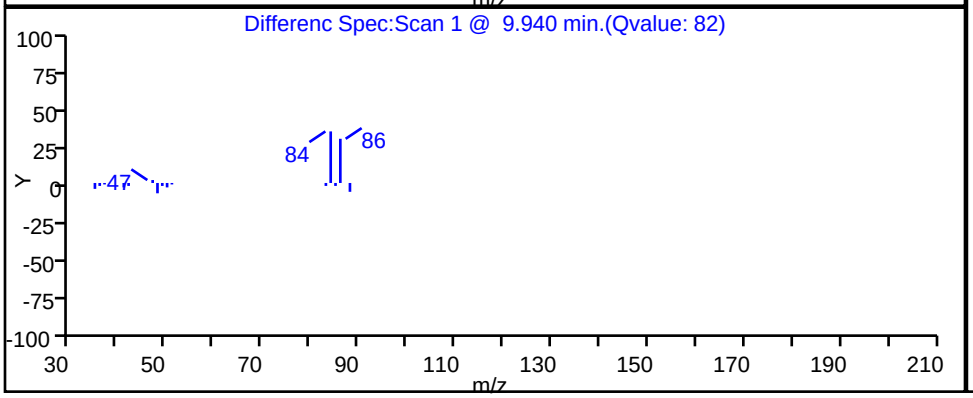
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

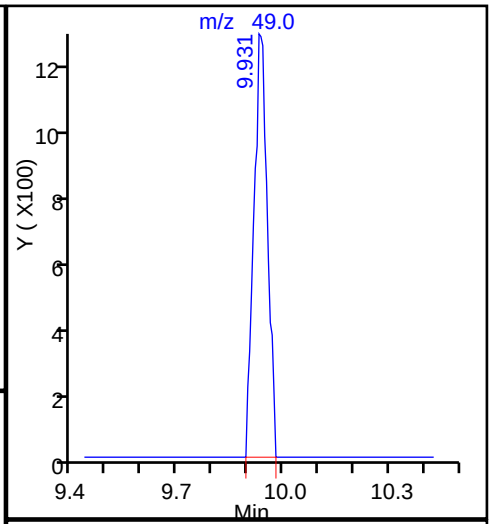
27 Methylene Chloride, CAS: 75-09-2

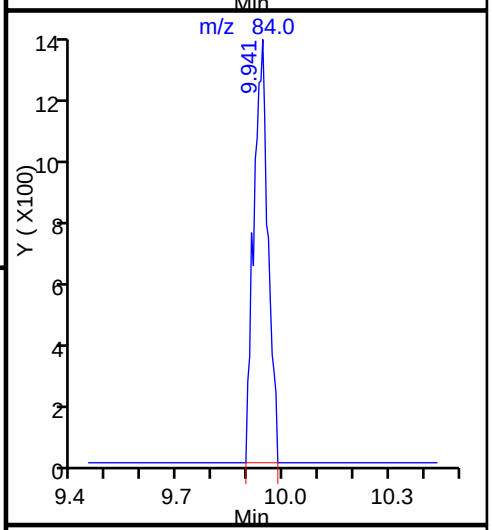


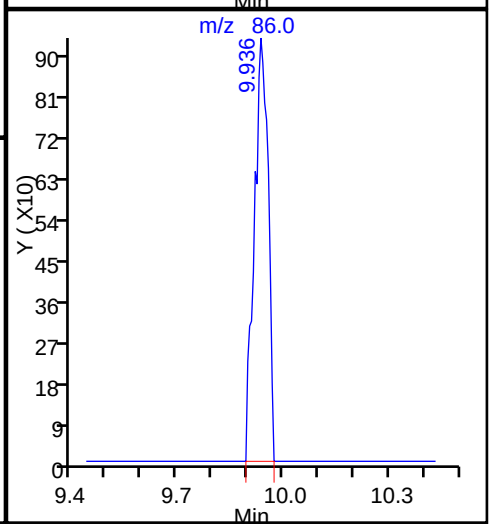








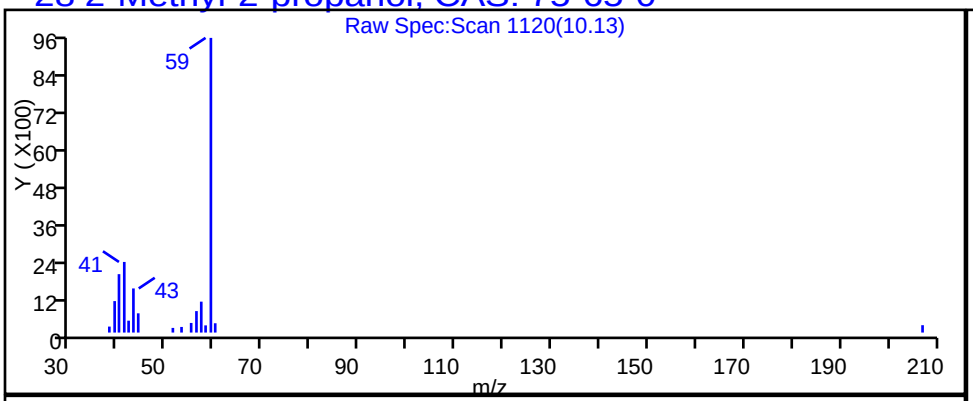


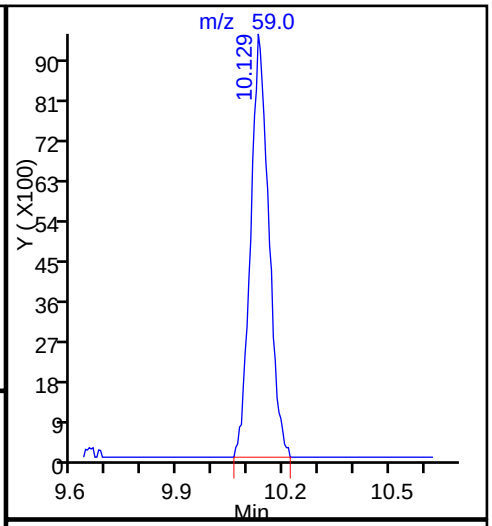


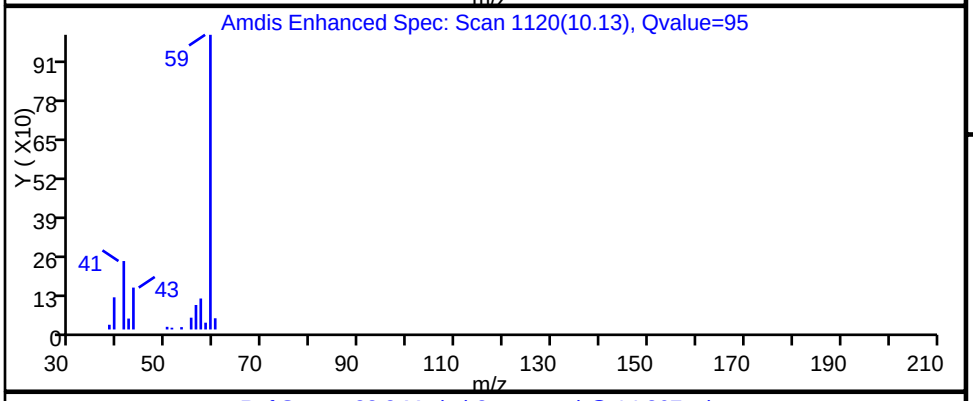
TestAmerica Burlington

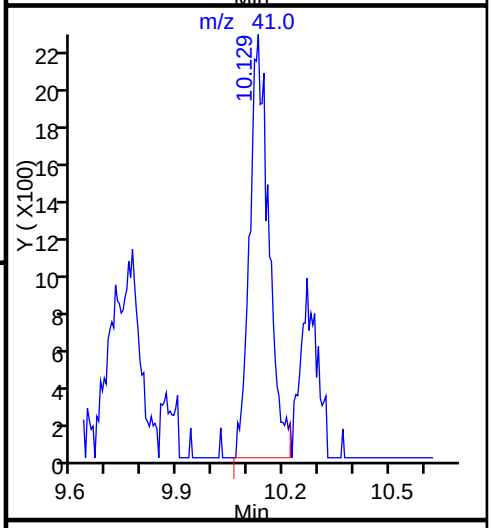
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

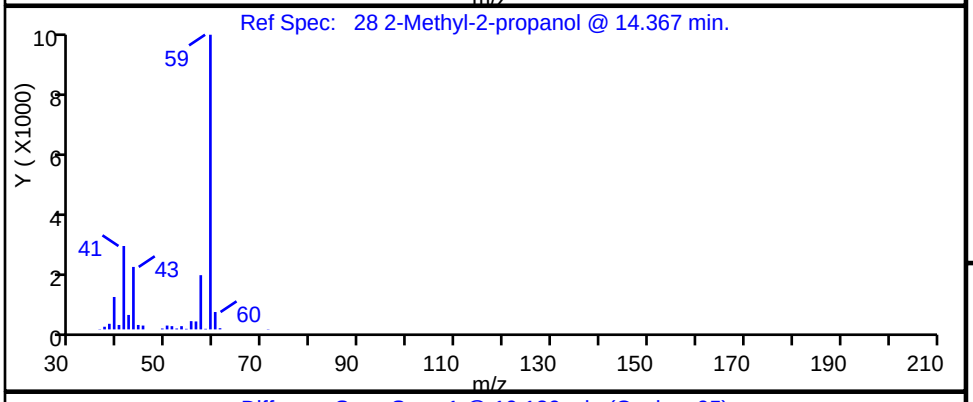
28 2-Methyl-2-propanol, CAS: 75-65-0

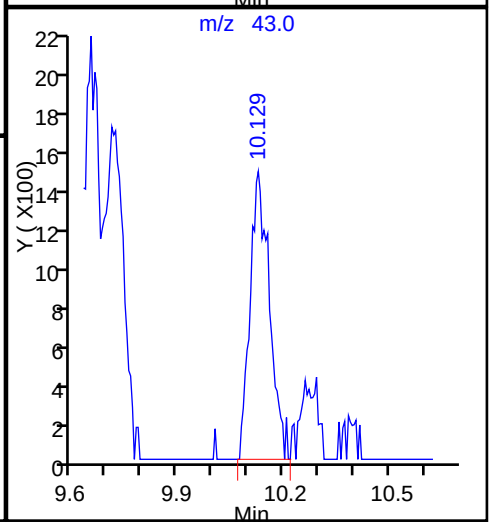


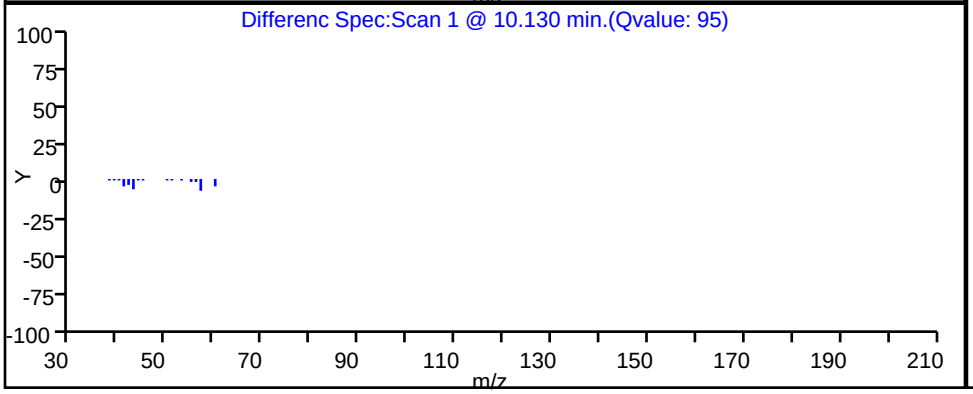








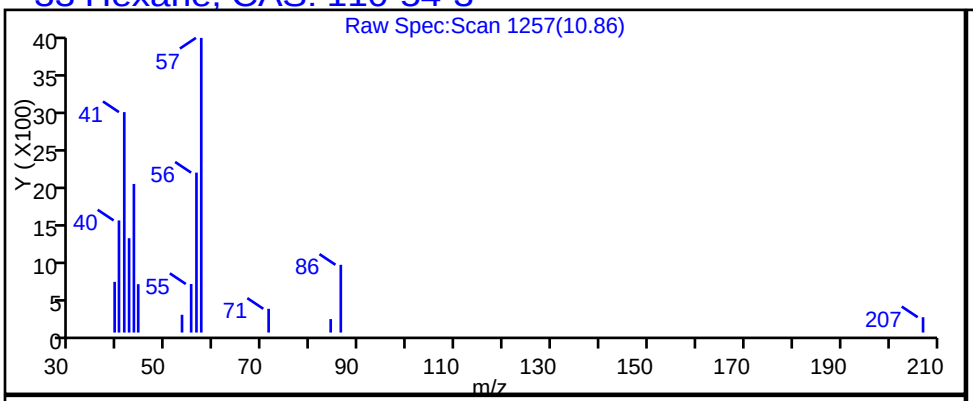


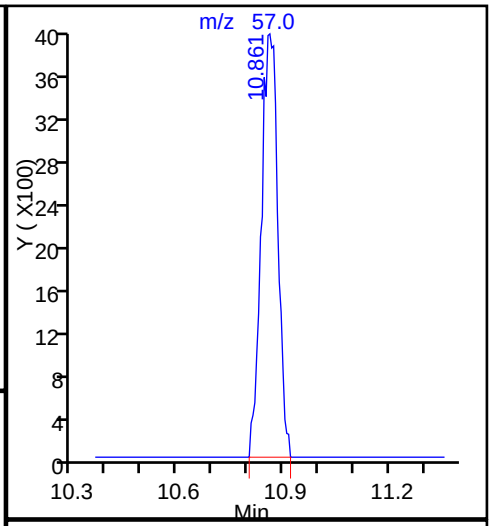


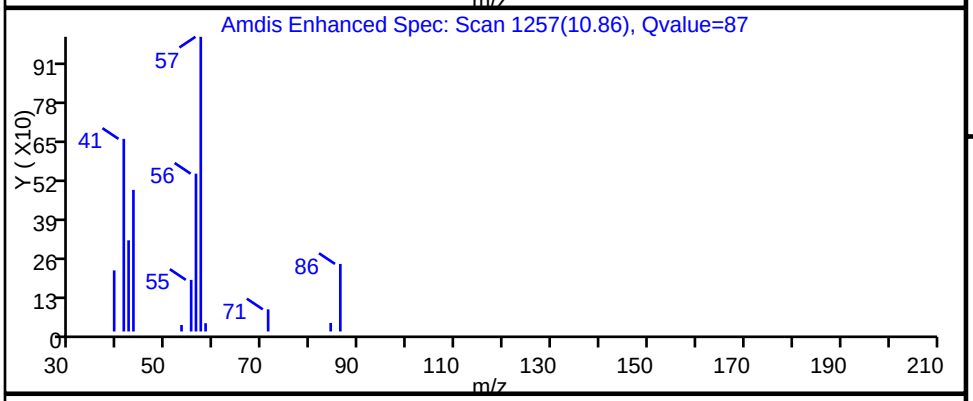
TestAmerica Burlington

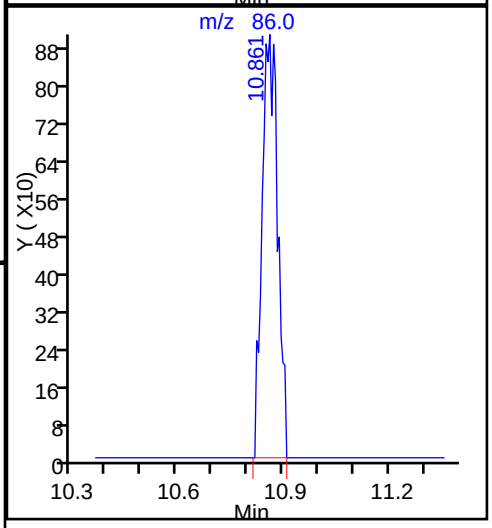
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

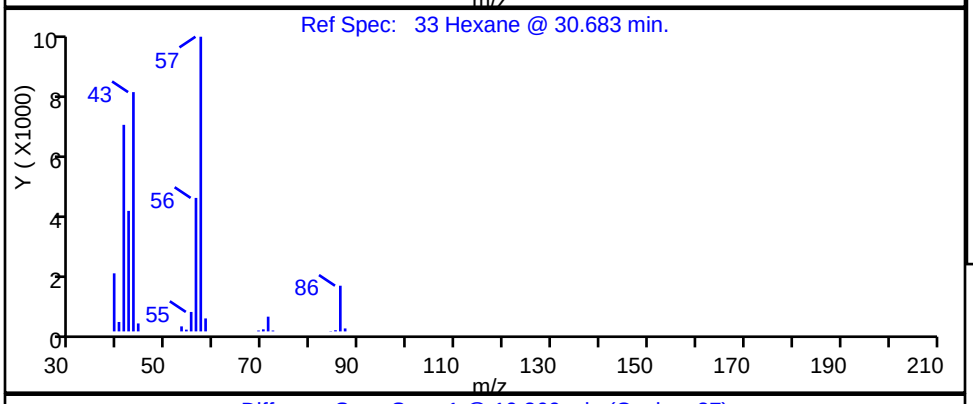
33 Hexane, CAS: 110-54-3

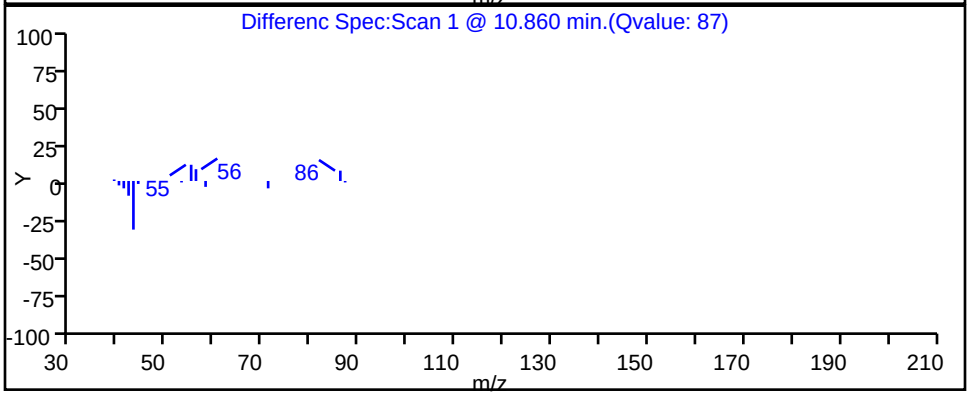








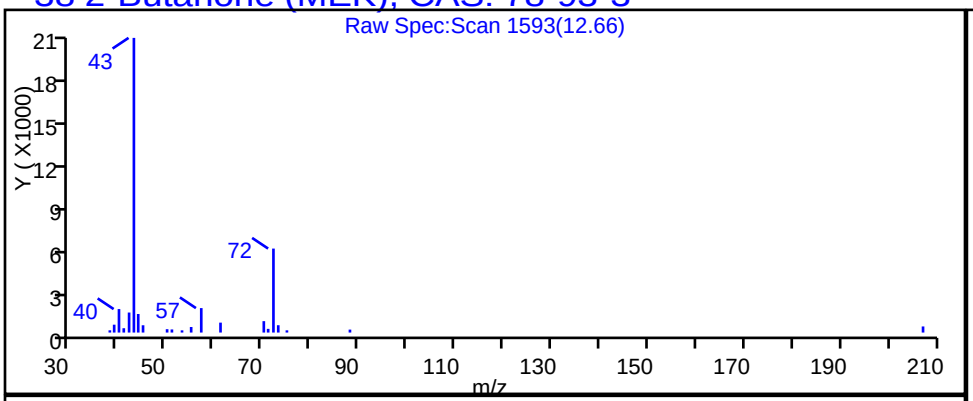


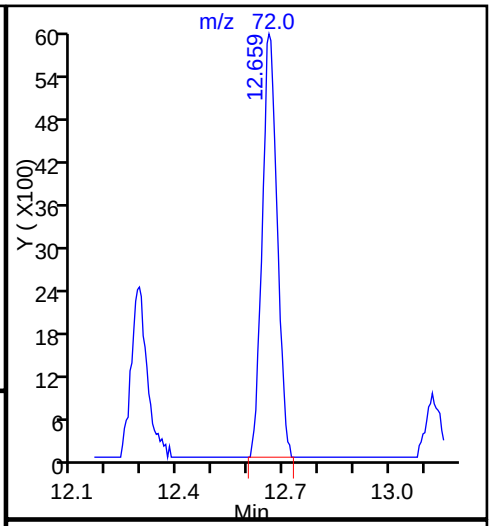


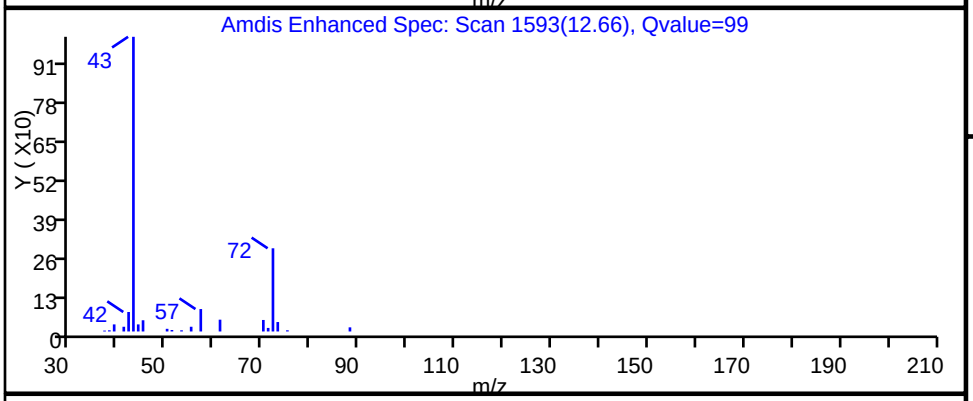
TestAmerica Burlington

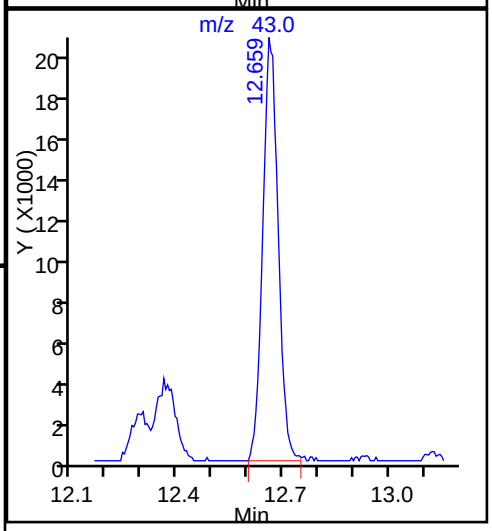
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

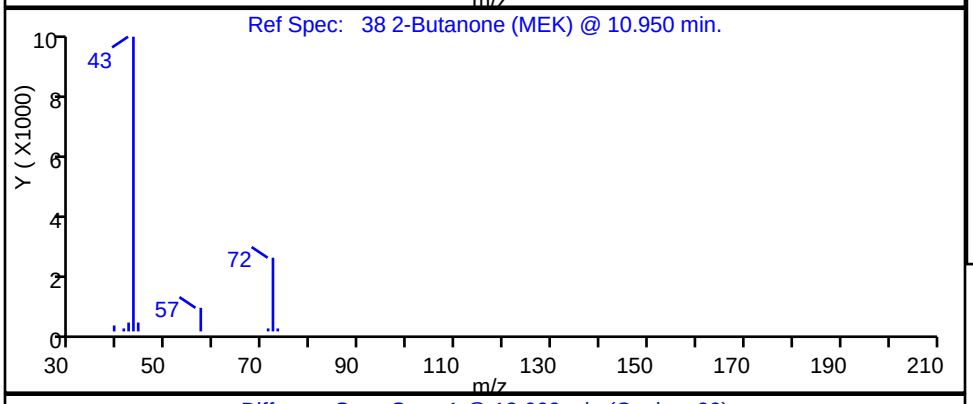
38 2-Butanone (MEK), CAS: 78-93-3

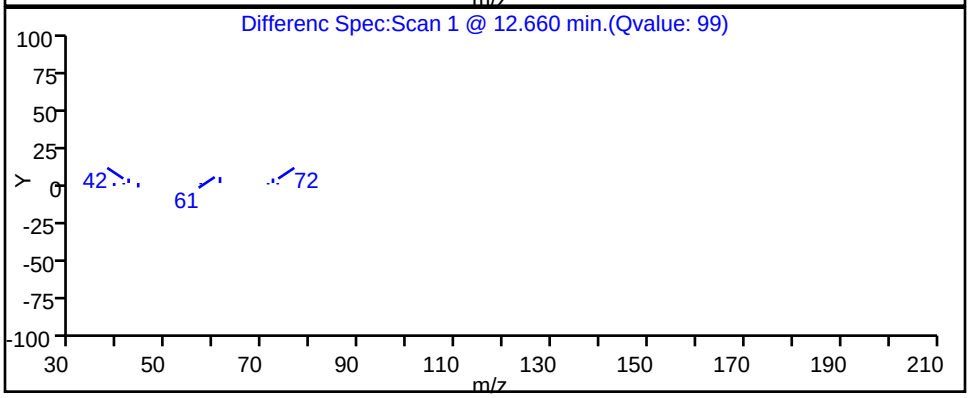








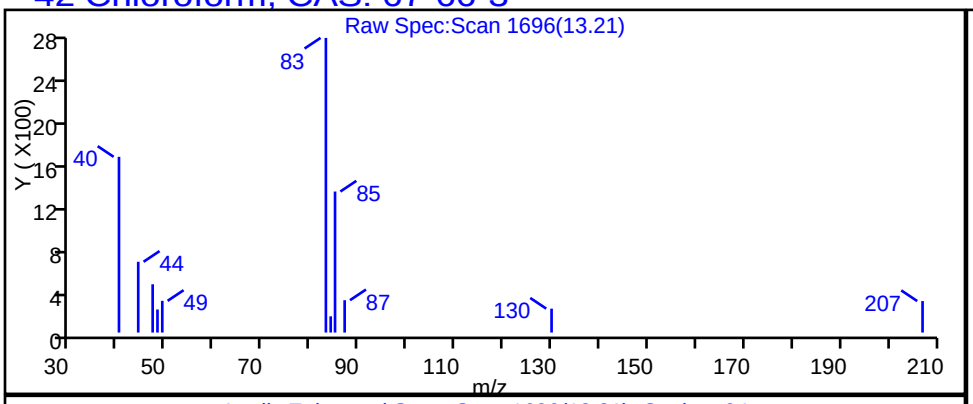


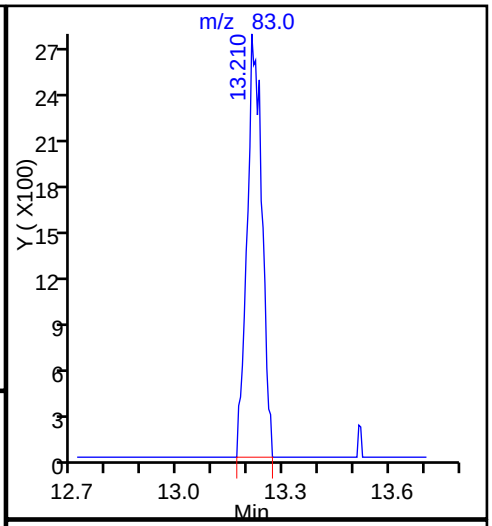


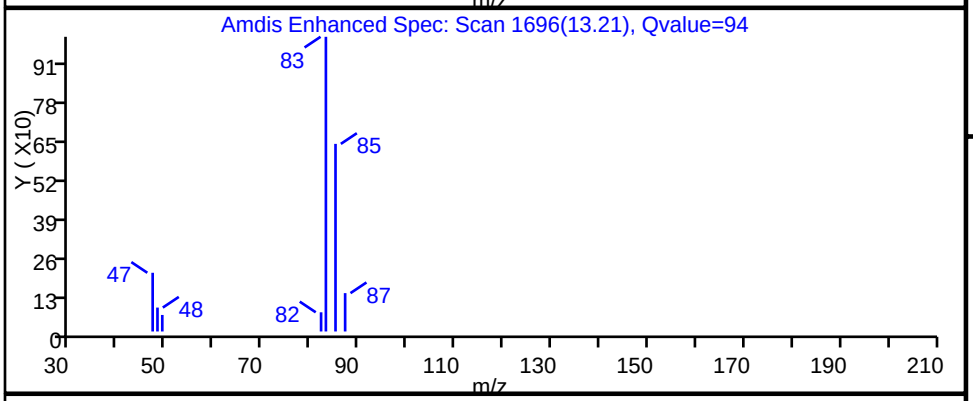
TestAmerica Burlington

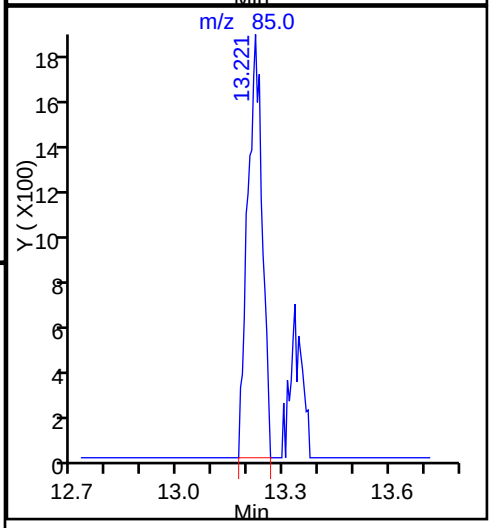
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

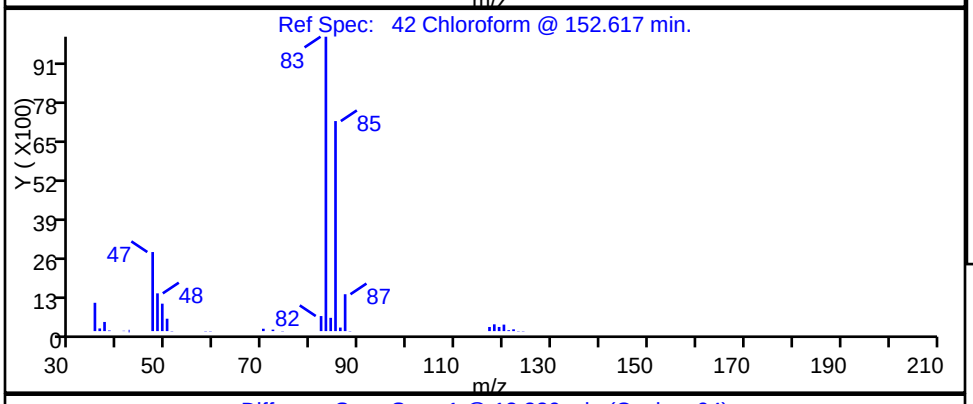
42 Chloroform, CAS: 67-66-3

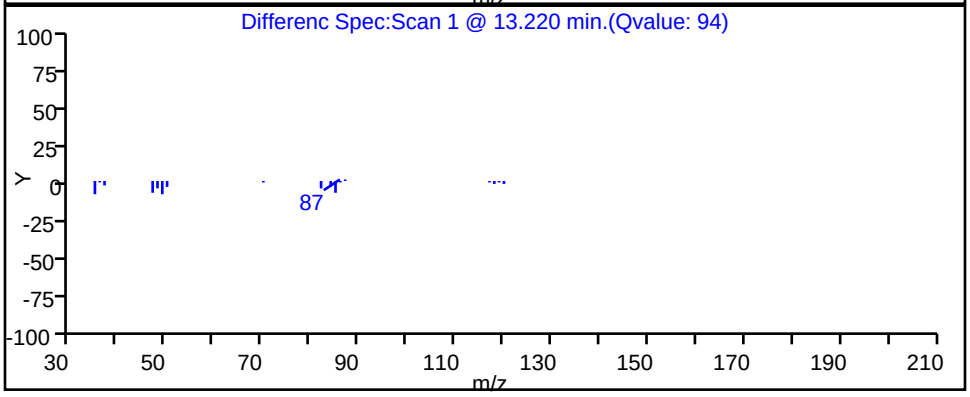








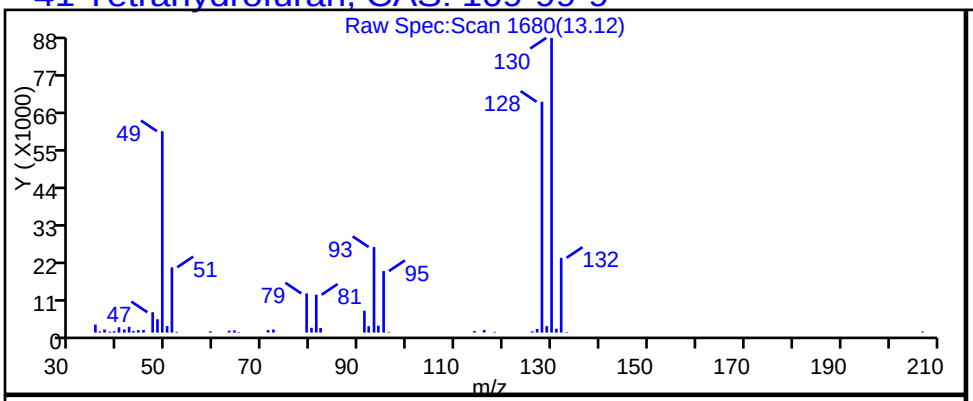


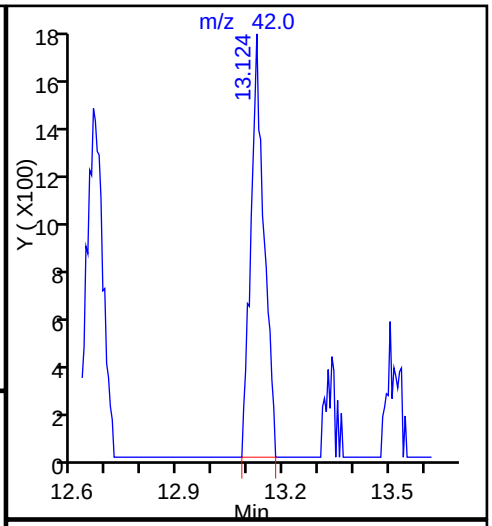


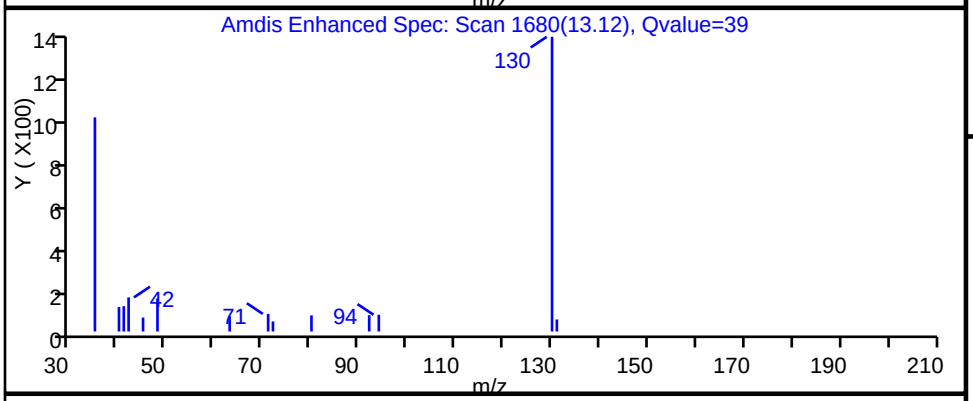
TestAmerica Burlington

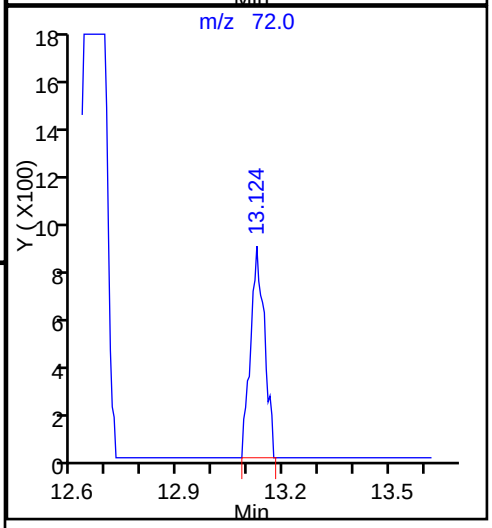
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

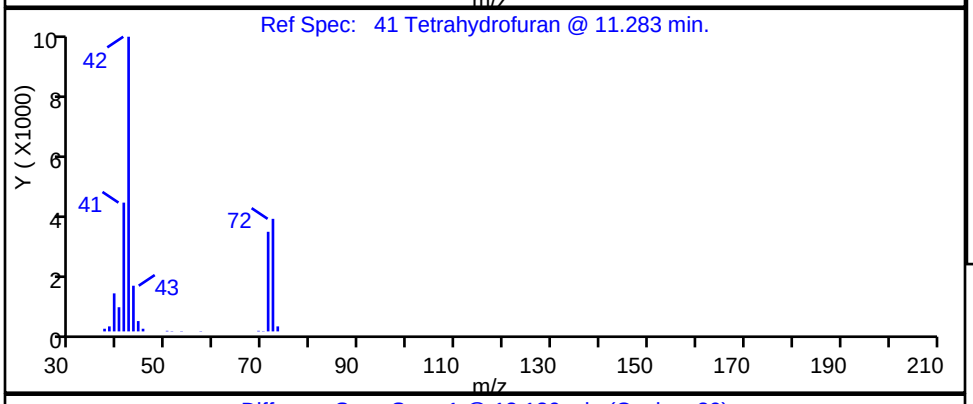
41 Tetrahydrofuran, CAS: 109-99-9

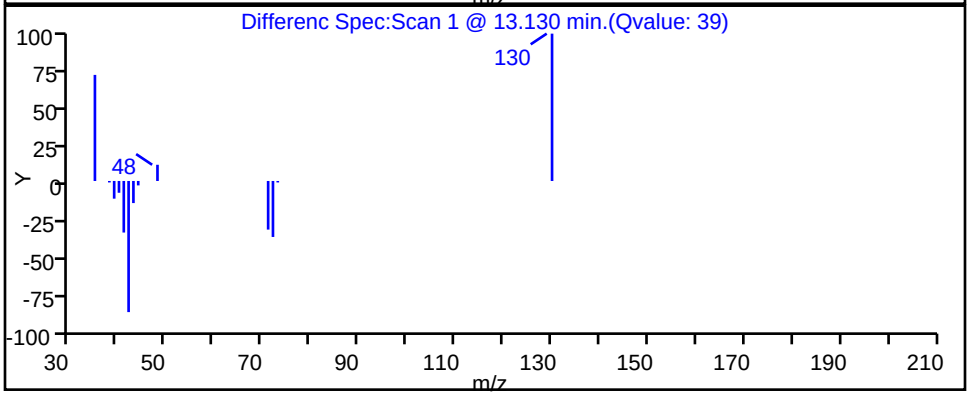






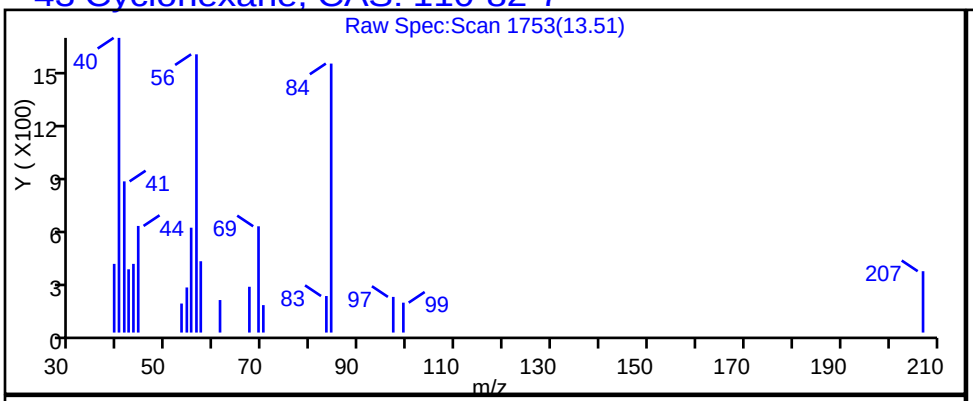


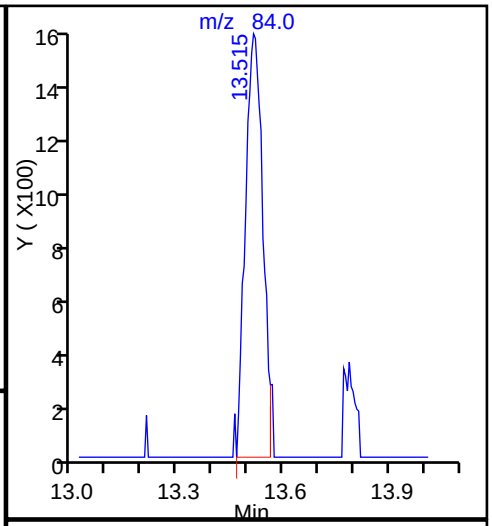


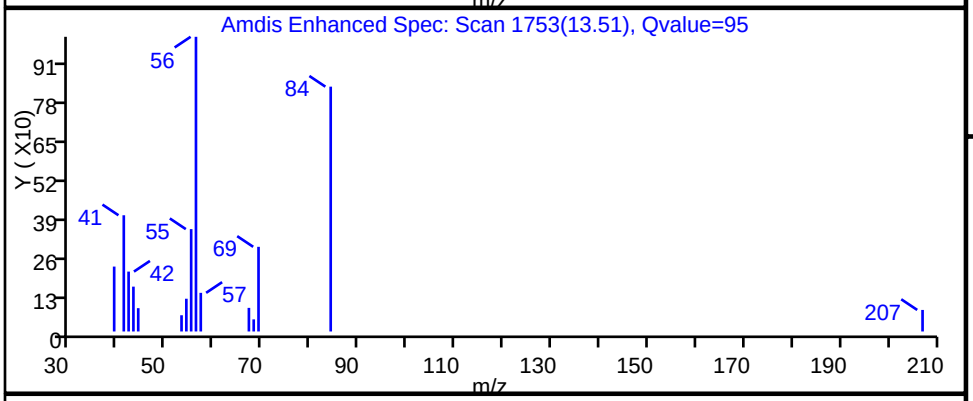


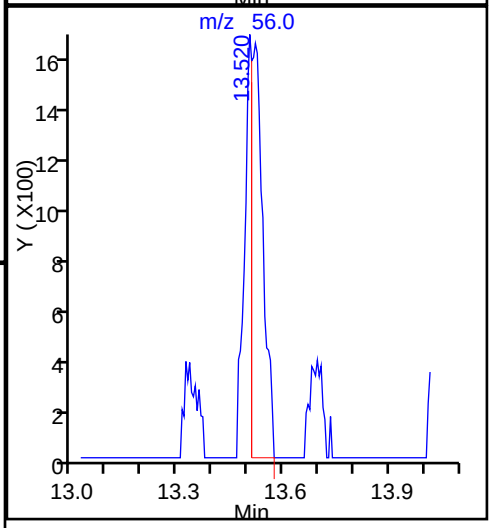
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

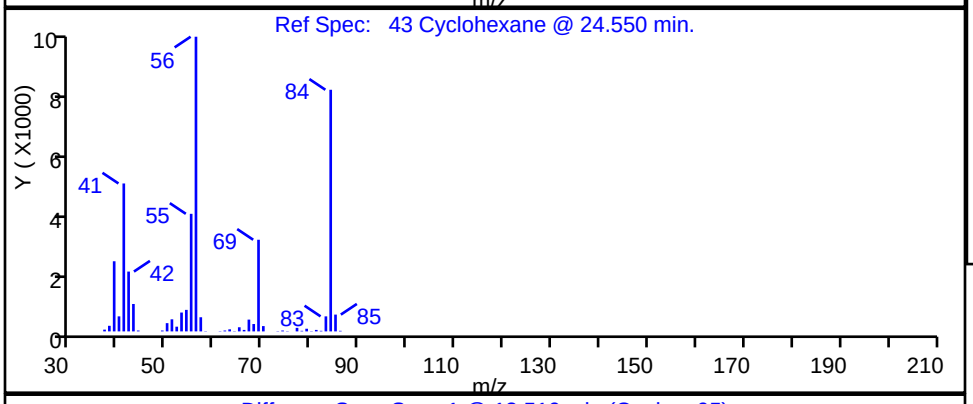
43 Cyclohexane, CAS: 110-82-7

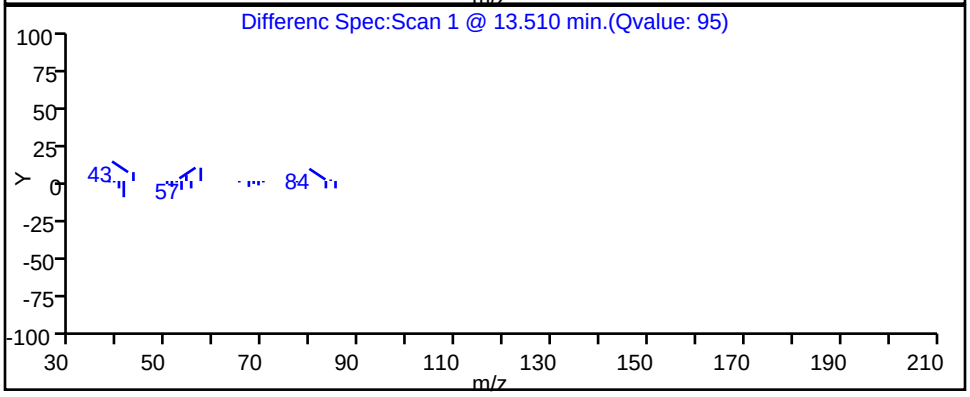






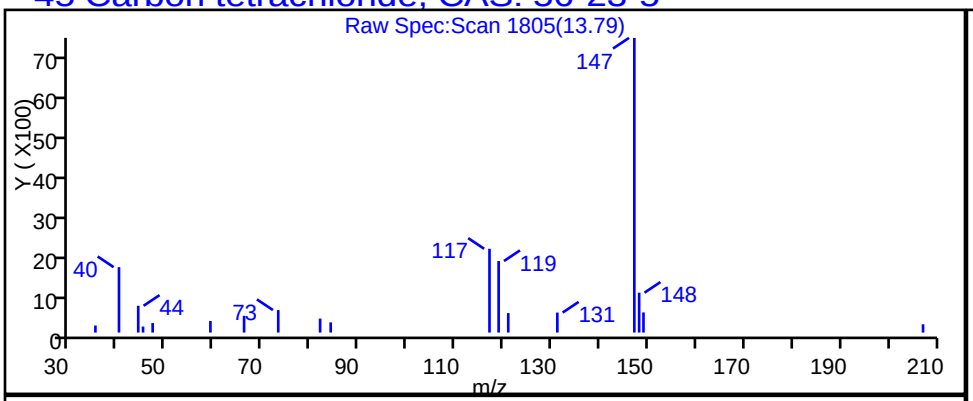


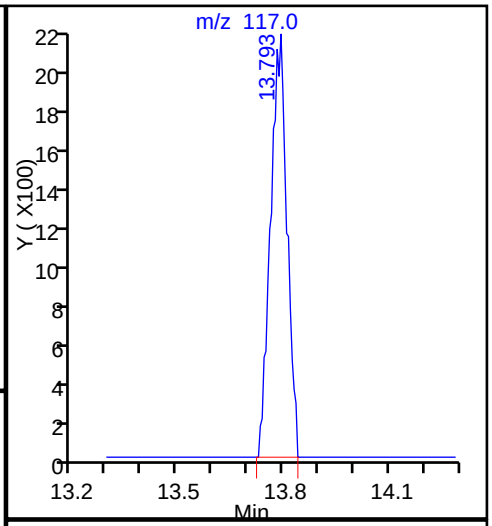


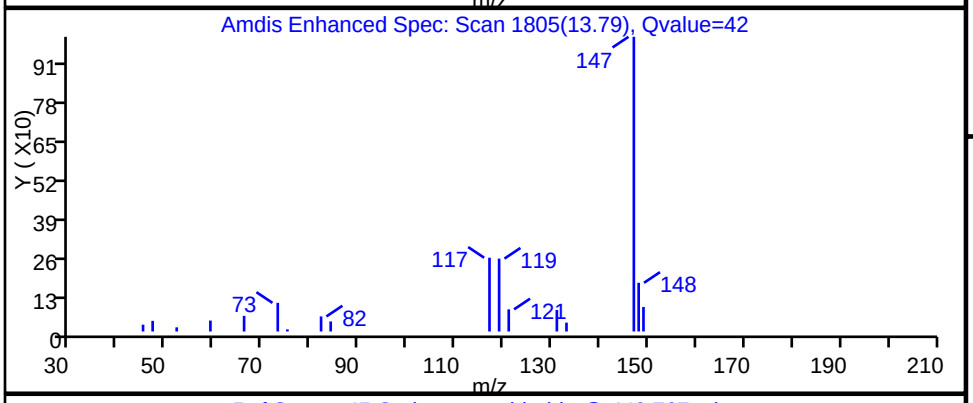


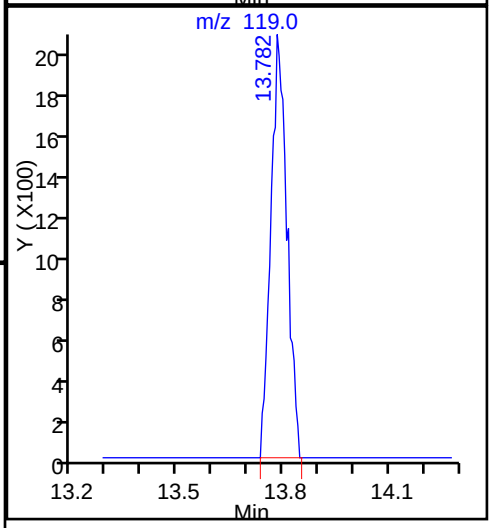
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

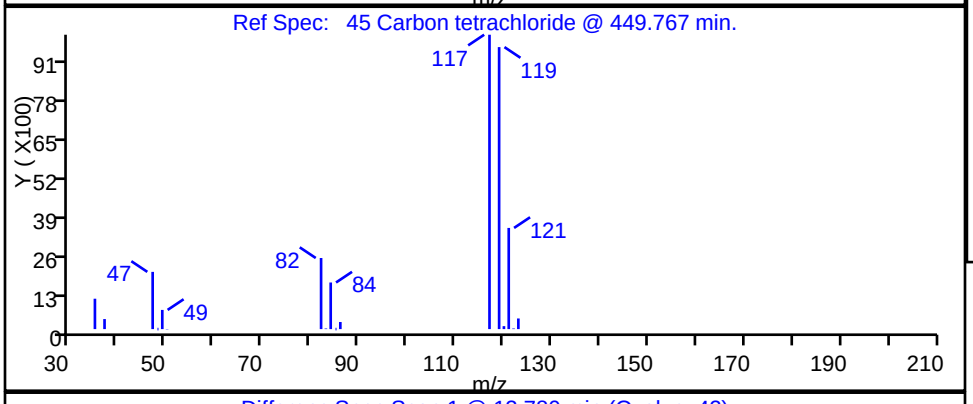
45 Carbon tetrachloride, CAS: 56-23-5

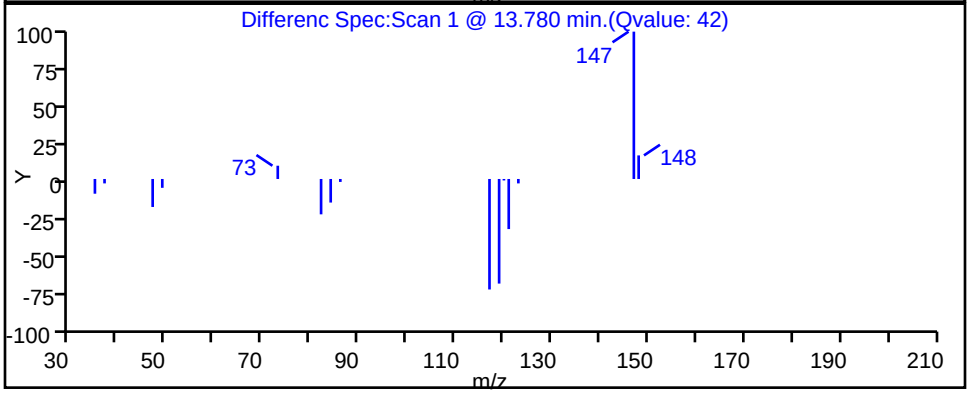








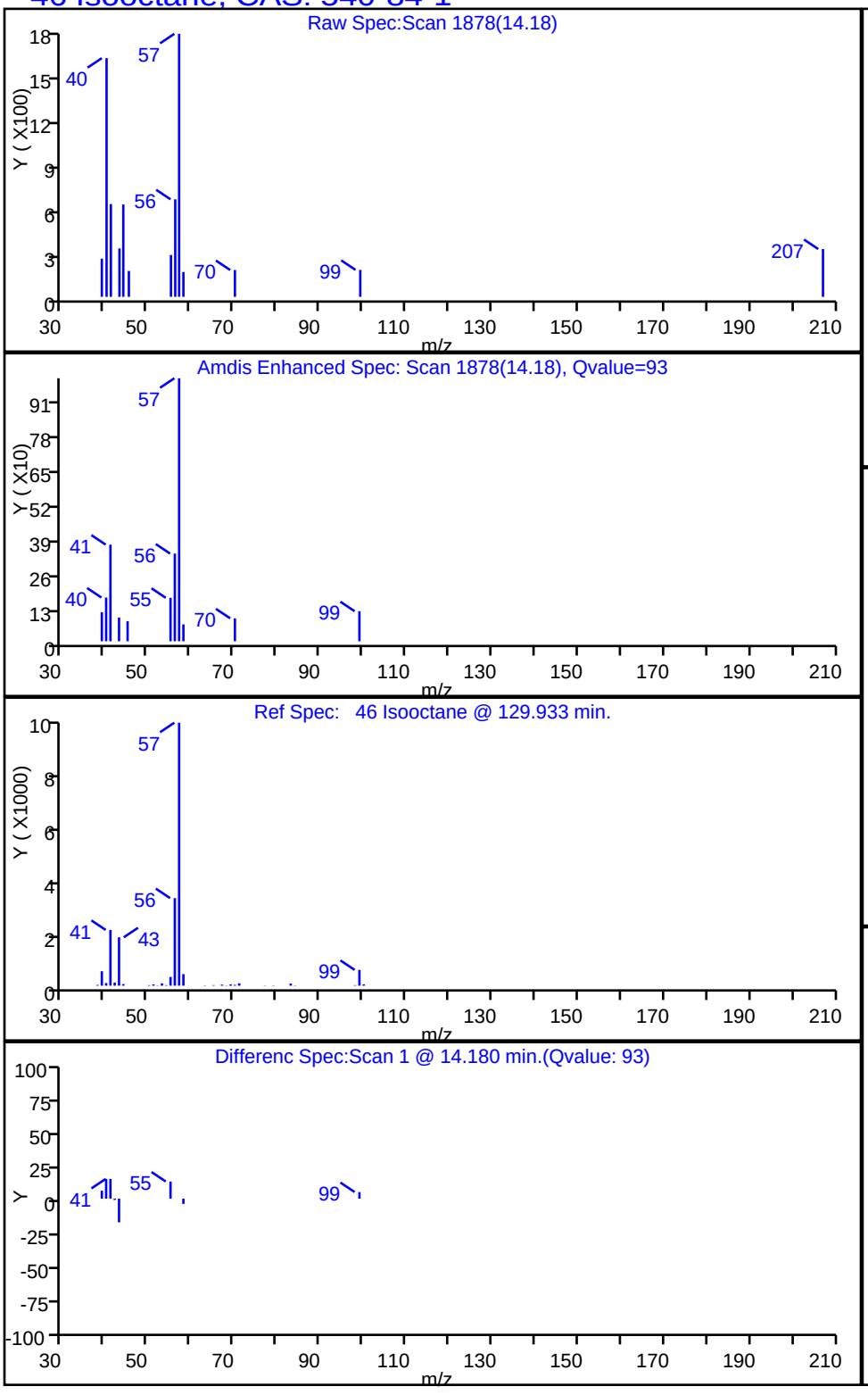


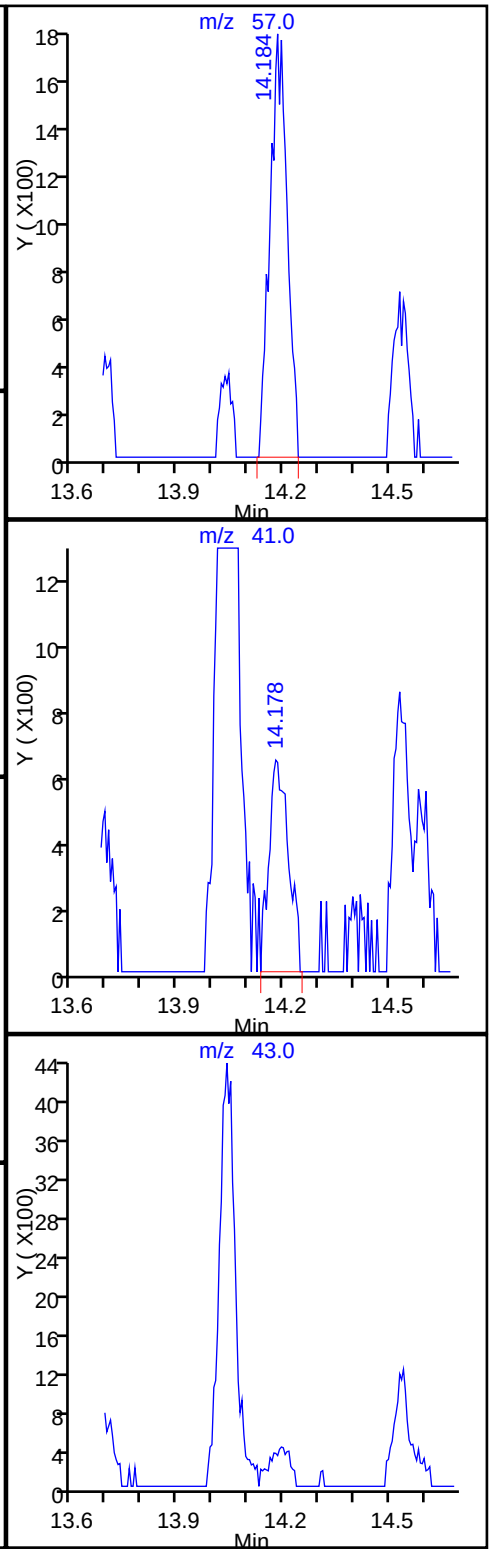


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

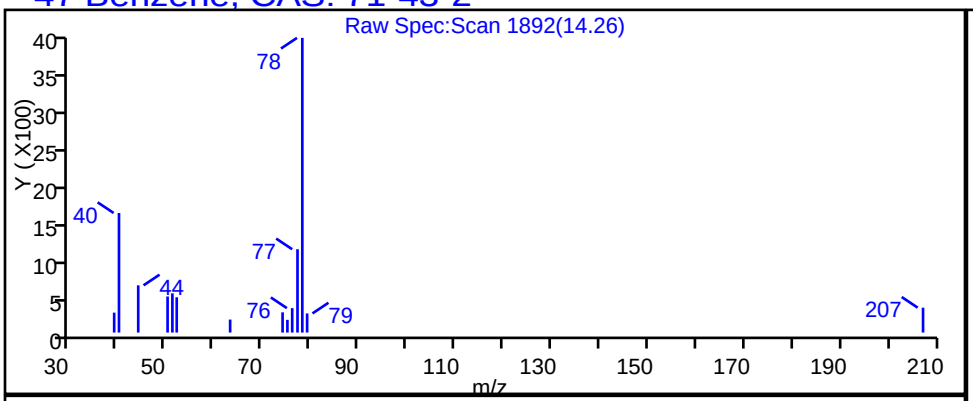
46 Isooctane, CAS: 540-84-1

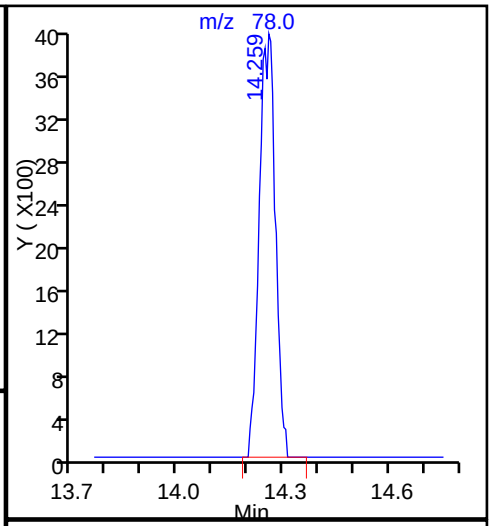


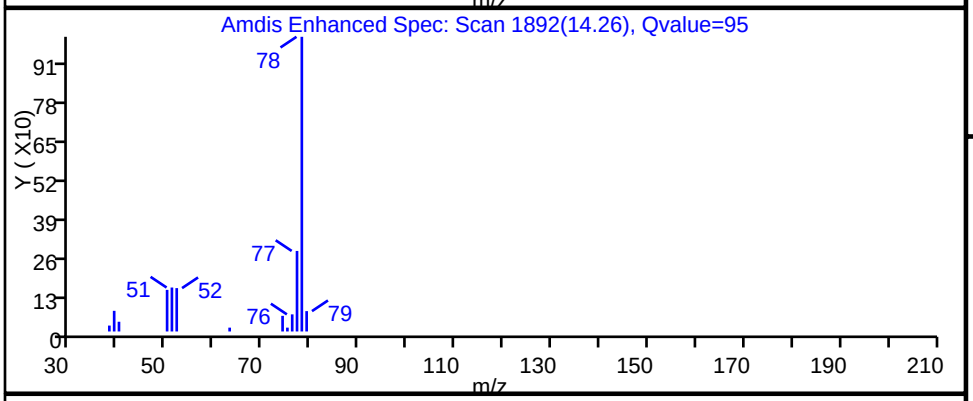


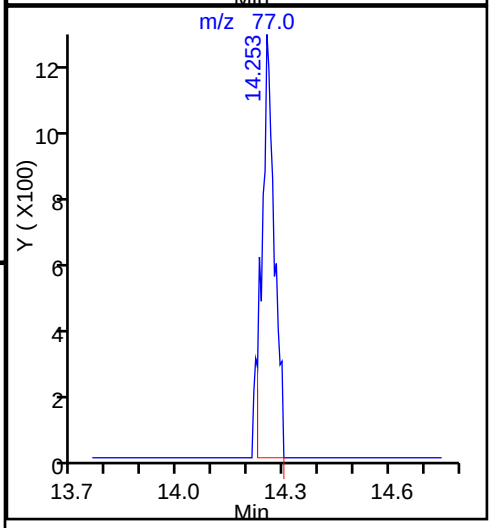
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

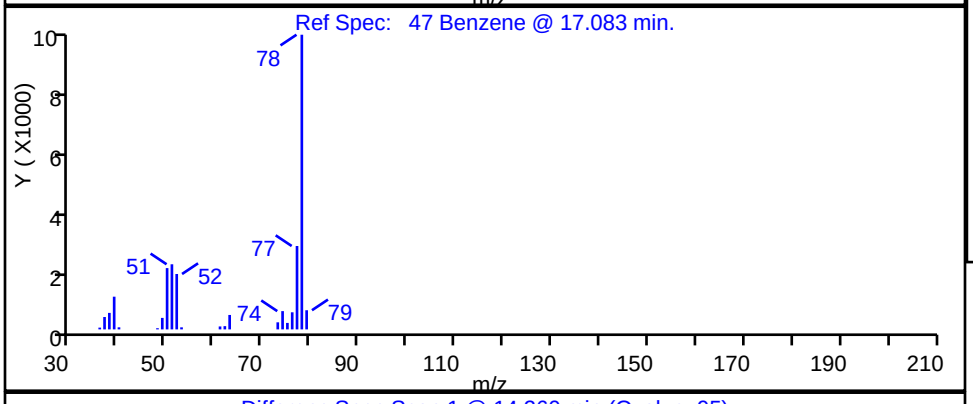
47 Benzene, CAS: 71-43-2

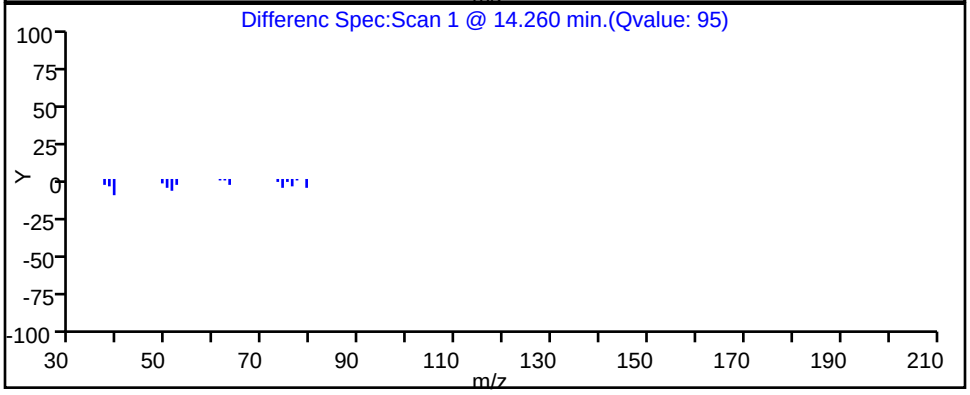








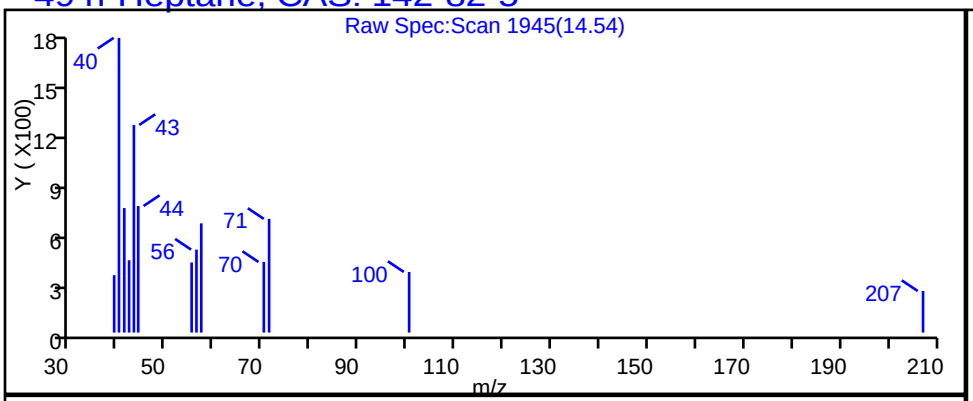


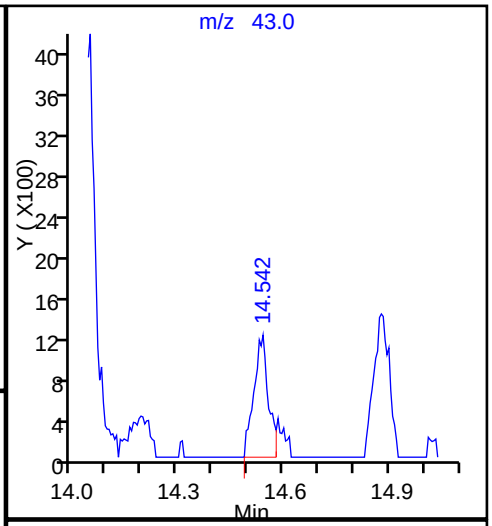


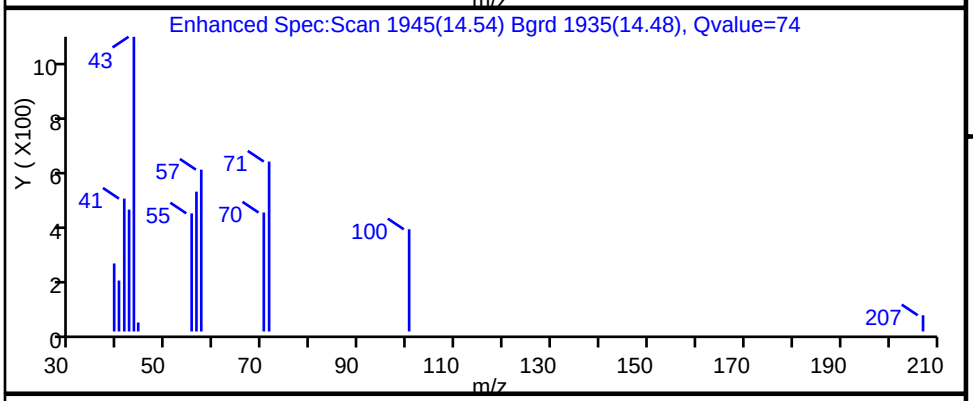
TestAmerica Burlington

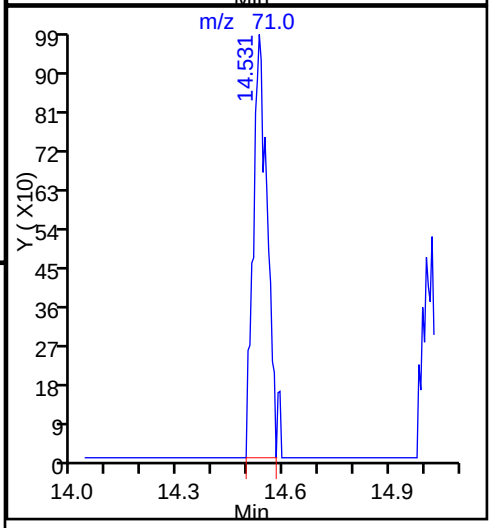
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

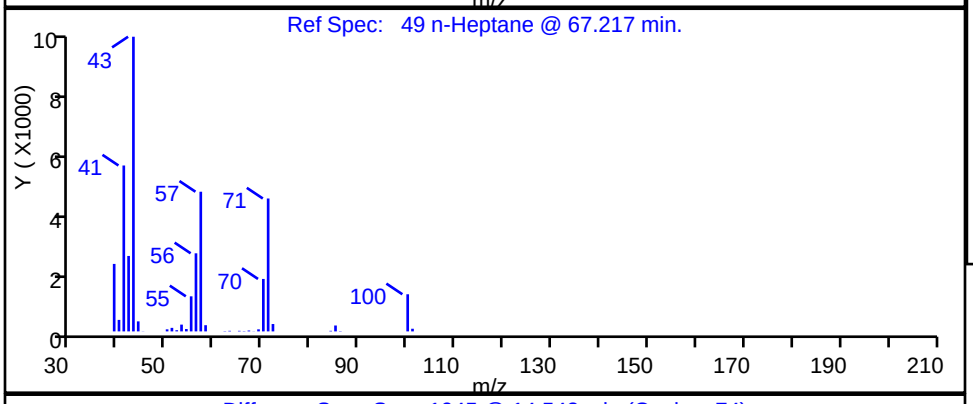
49 n-Heptane, CAS: 142-82-5

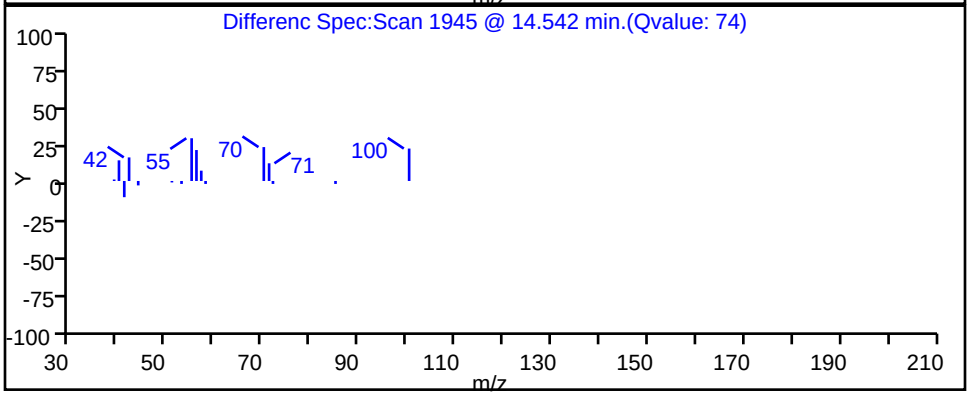








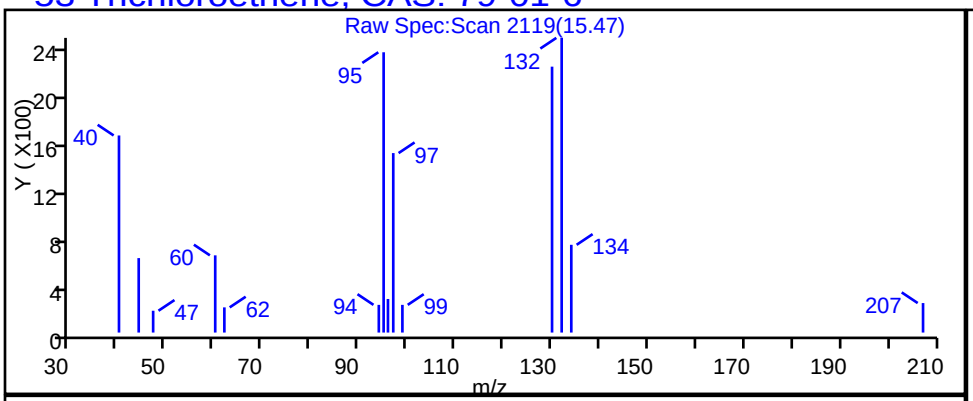


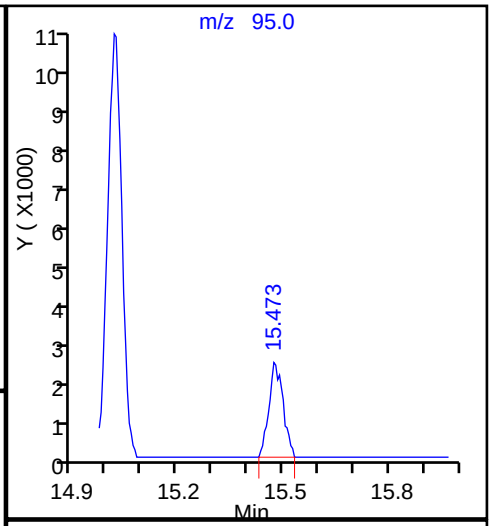


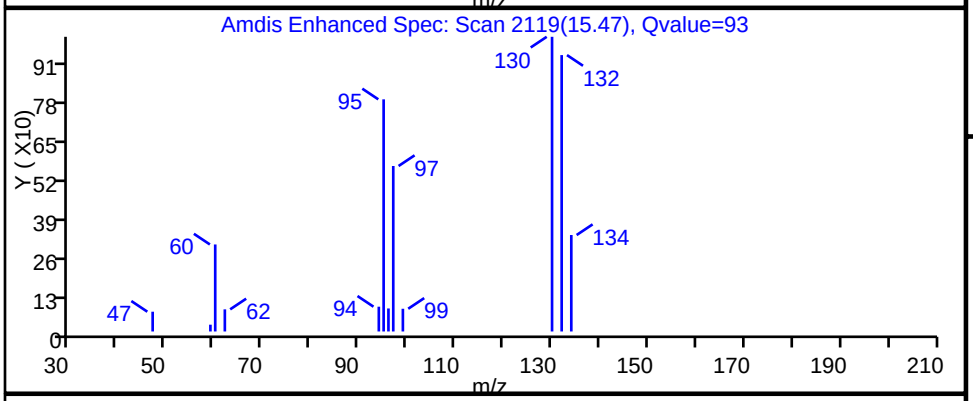
TestAmerica Burlington

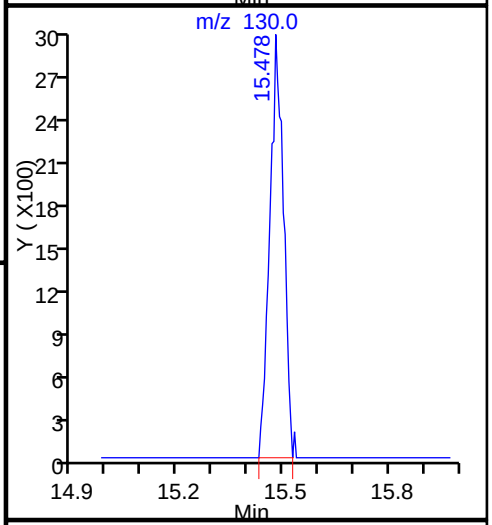
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

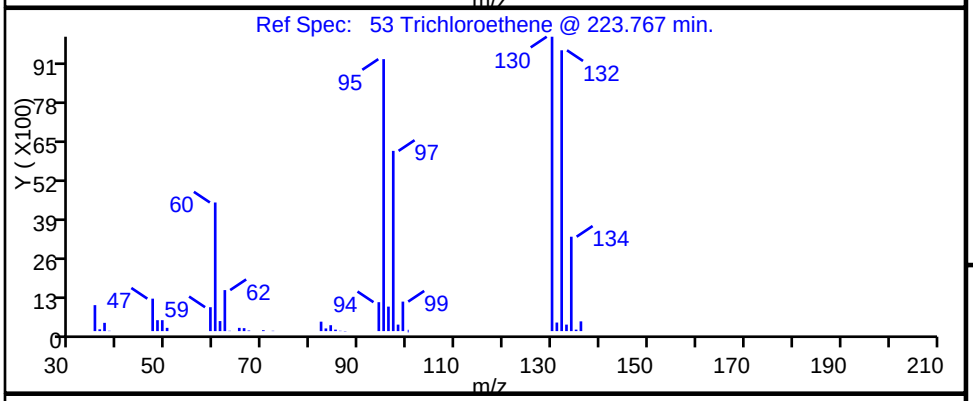
53 Trichloroethene, CAS: 79-01-6

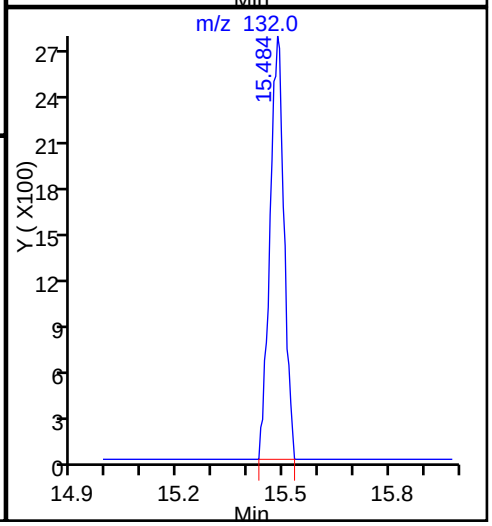


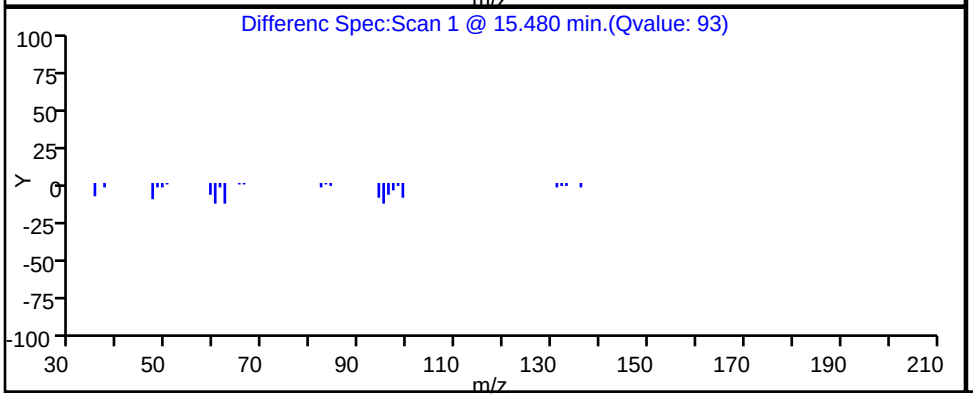








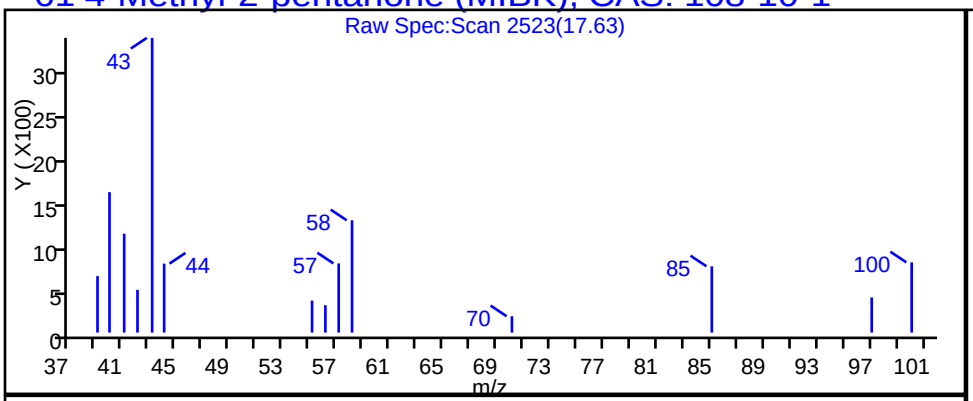


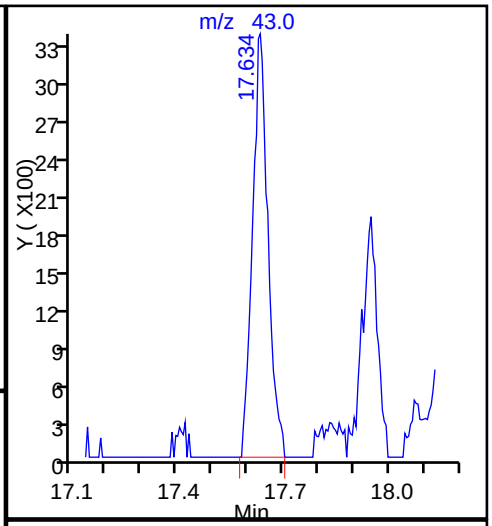


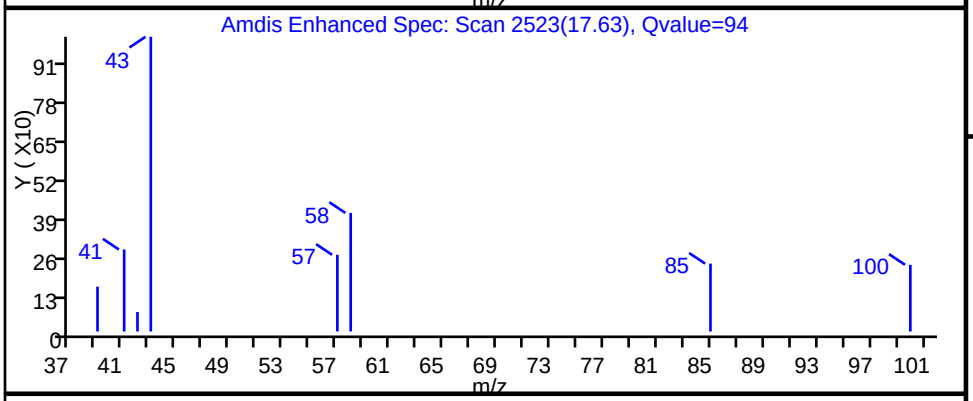
TestAmerica Burlington

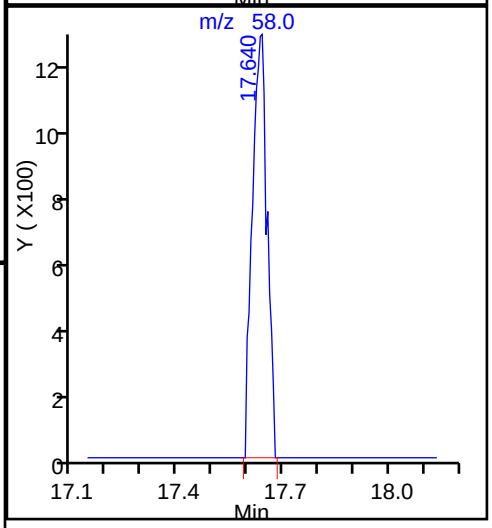
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

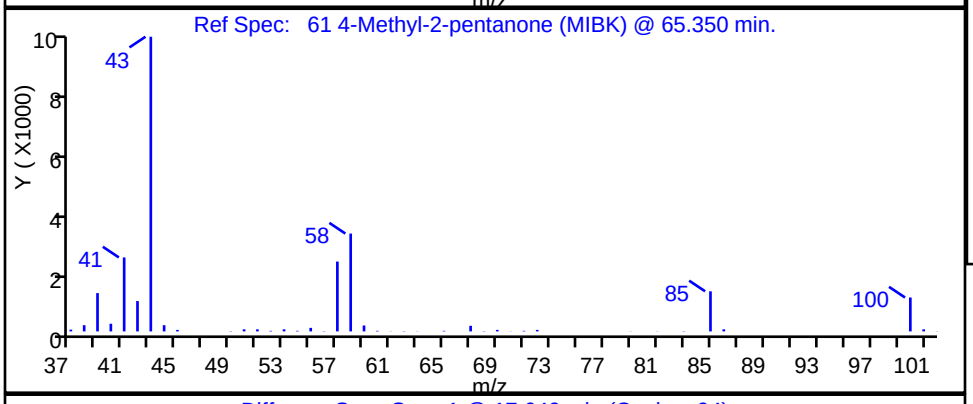
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

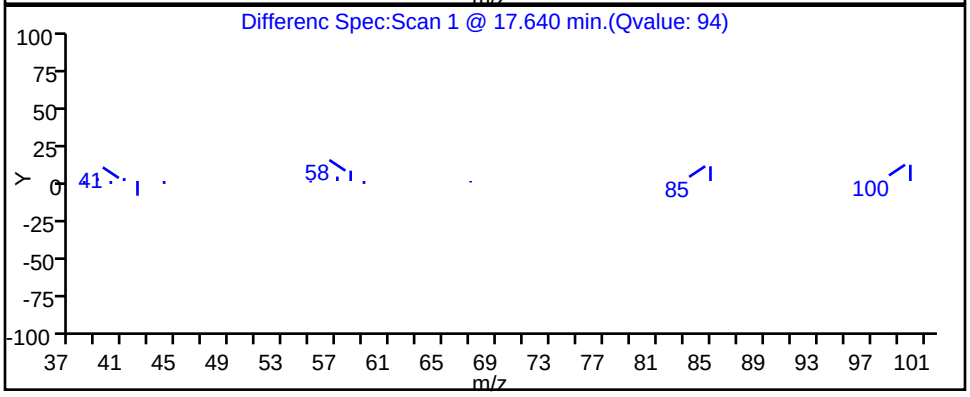








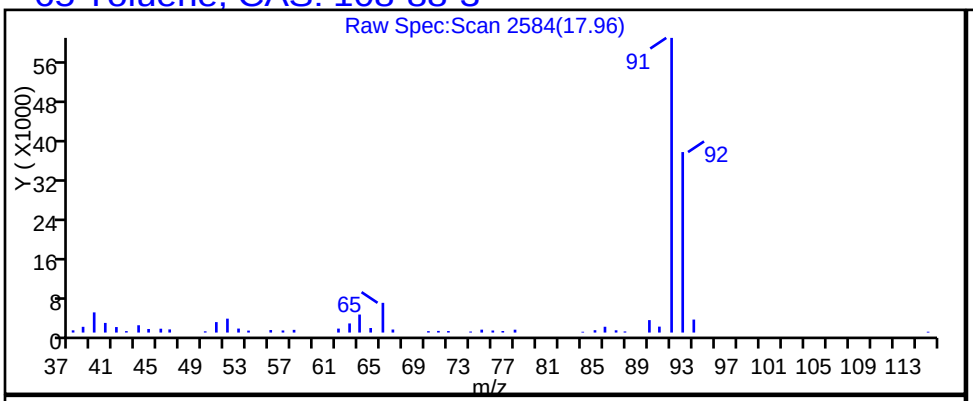


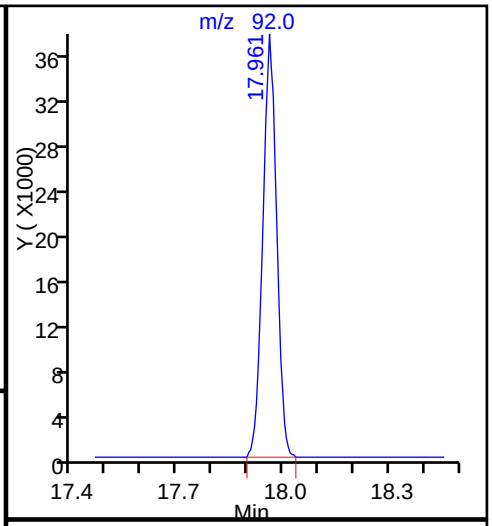


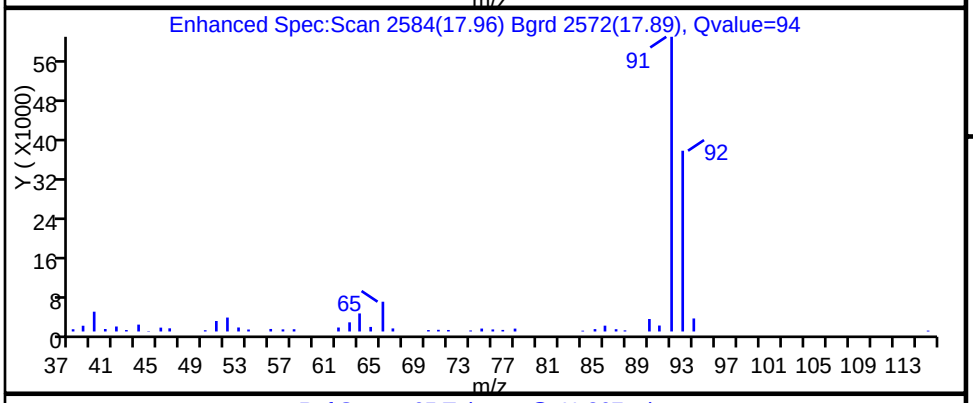
TestAmerica Burlington

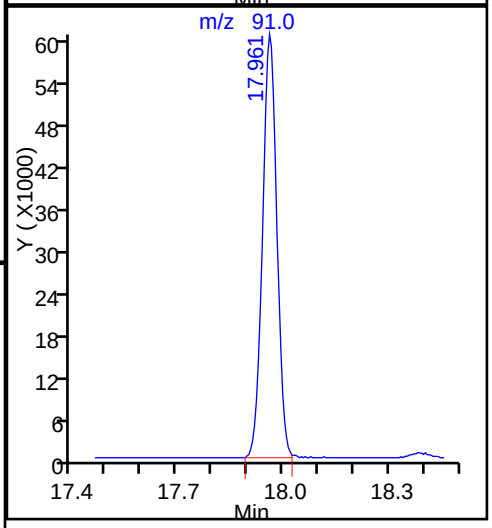
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

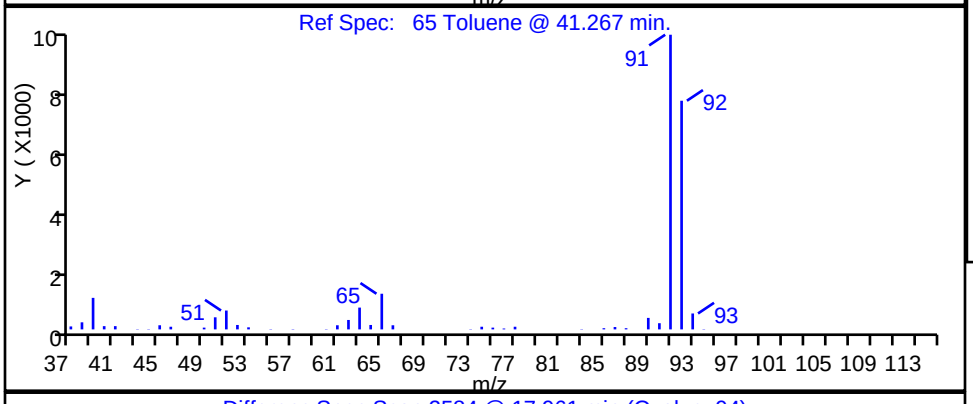
65 Toluene, CAS: 108-88-3

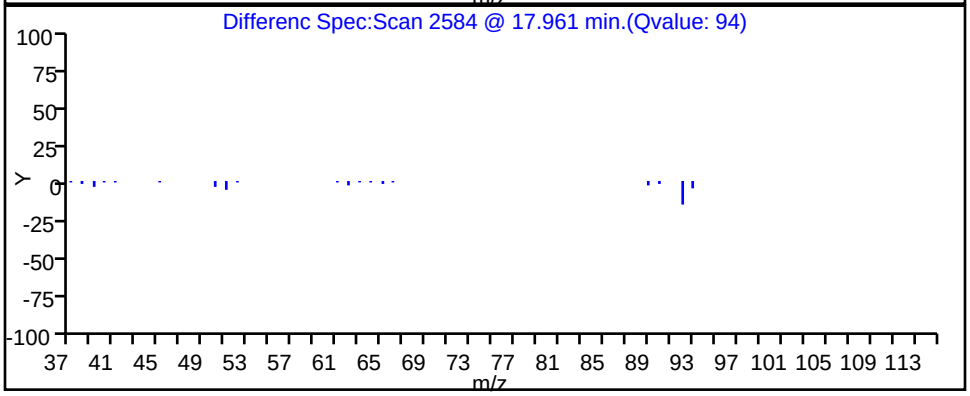






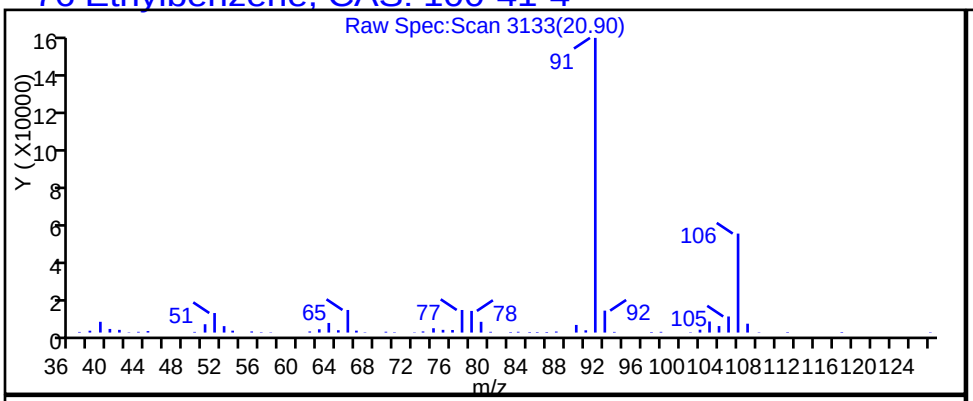


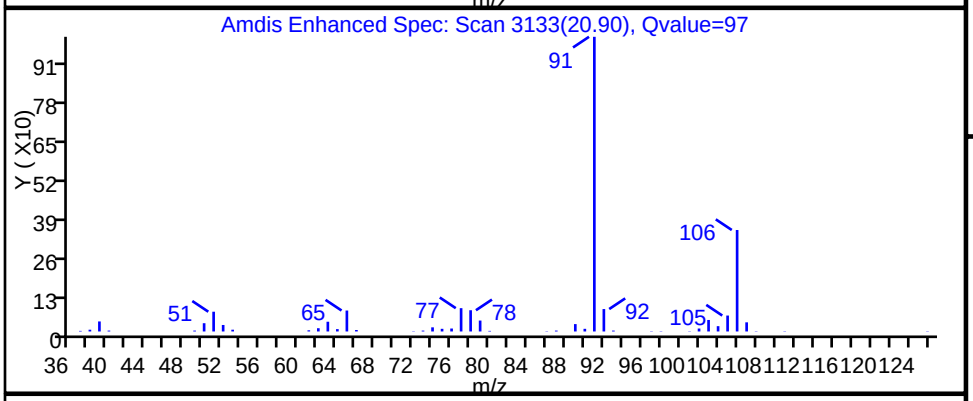


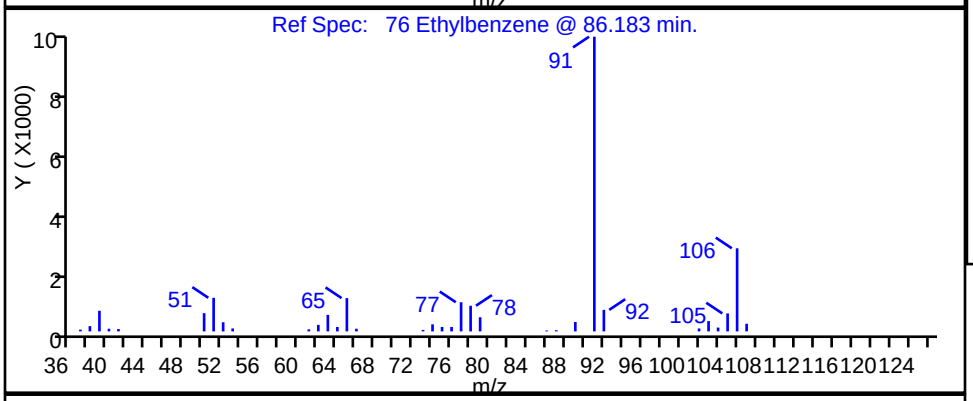


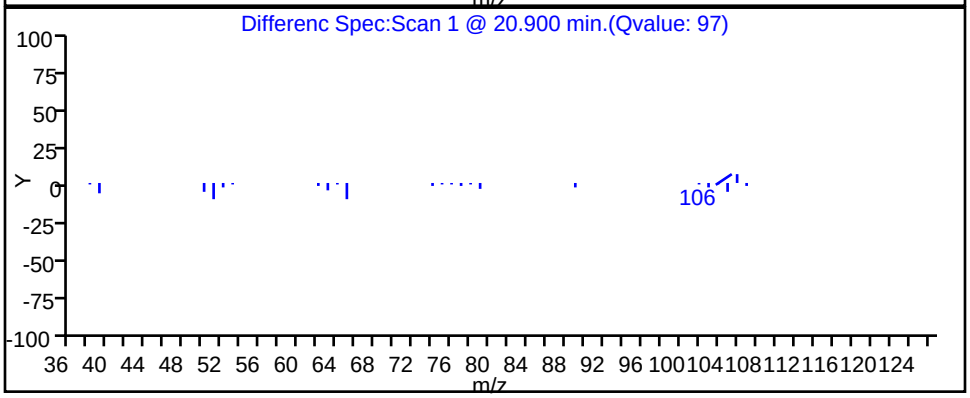
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

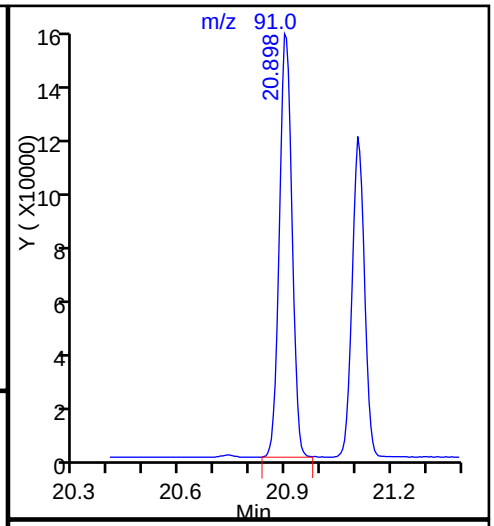
76 Ethylbenzene, CAS: 100-41-4

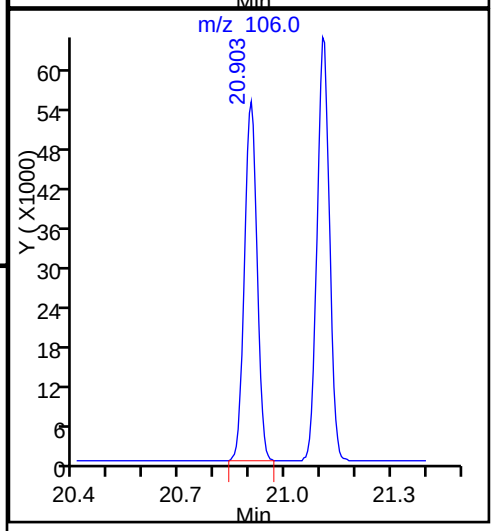






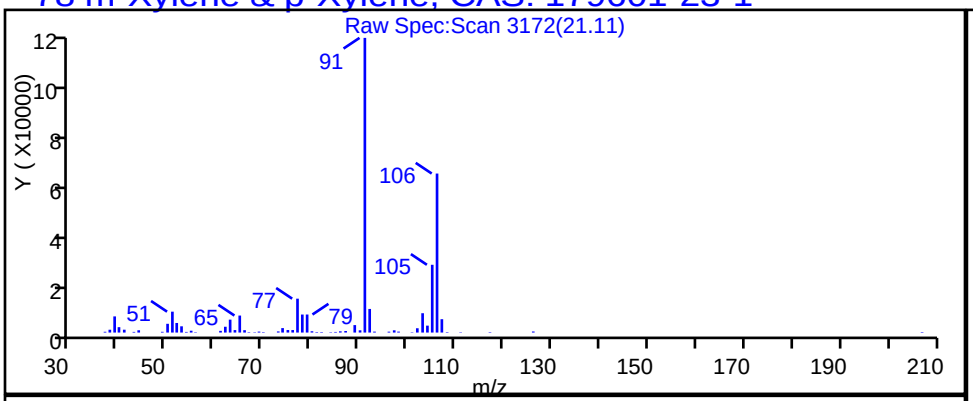


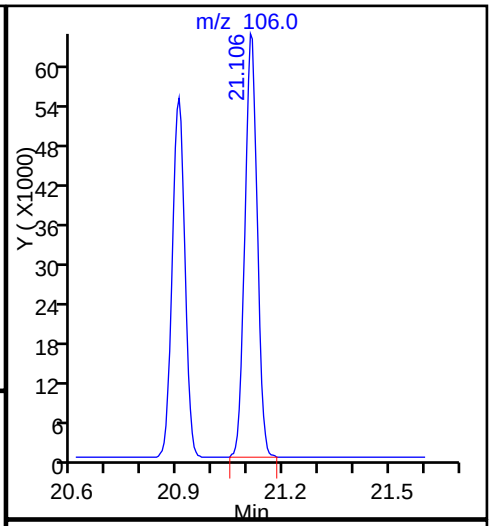


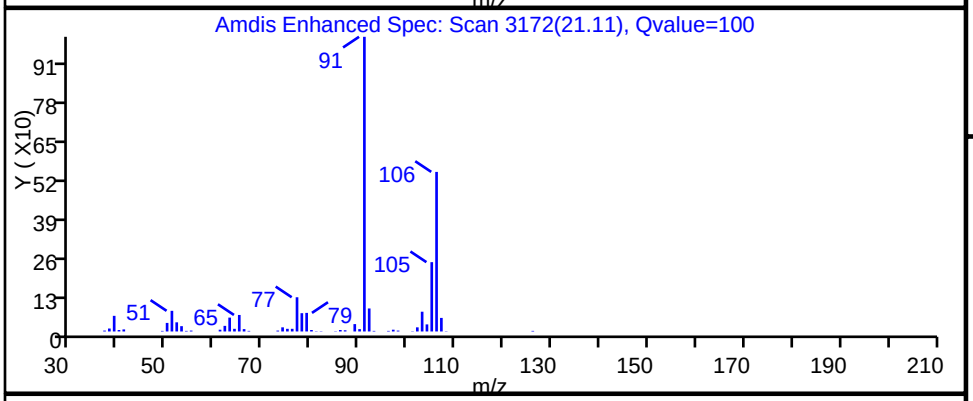


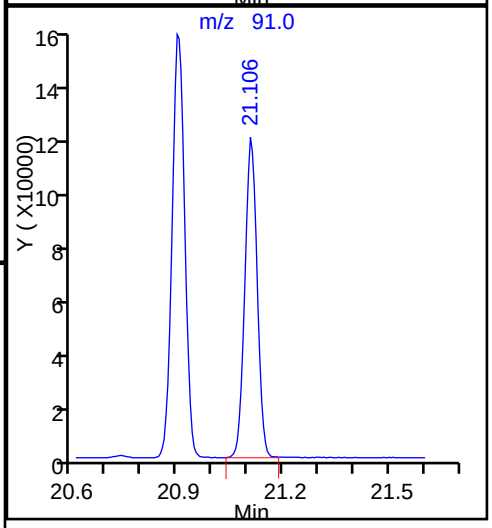
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

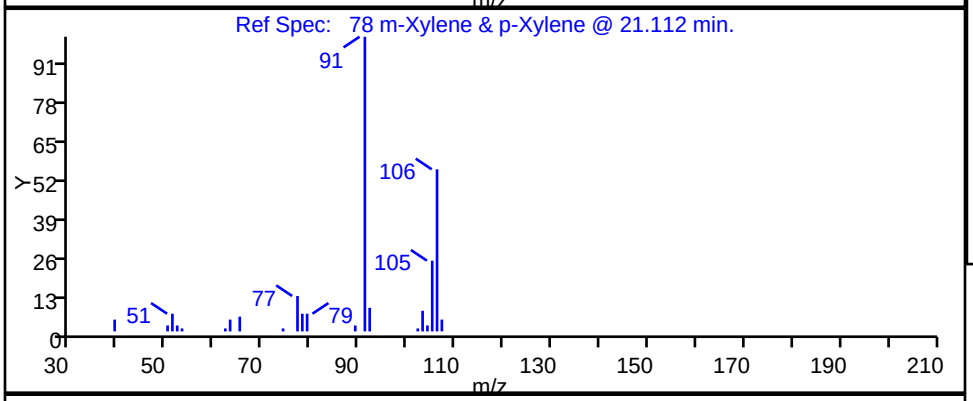
78 m-Xylene & p-Xylene, CAS: 179601-23-1

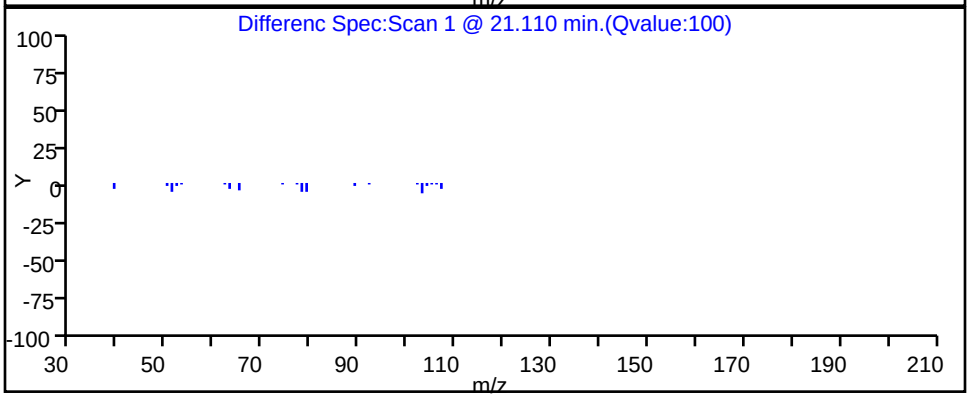






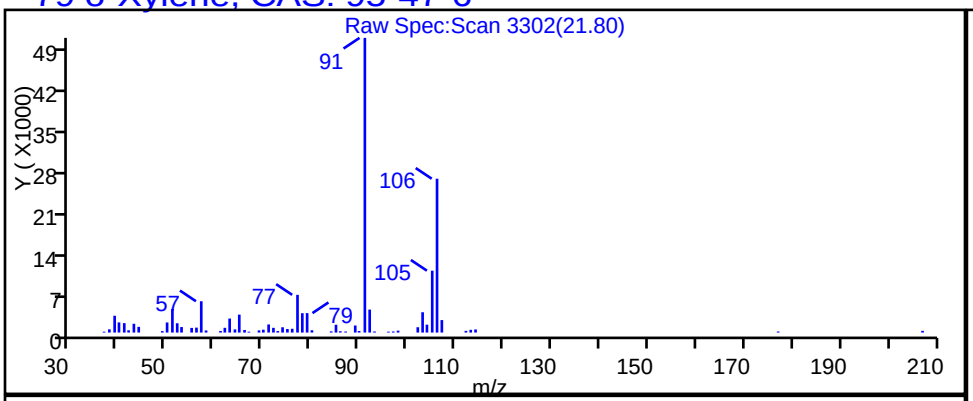


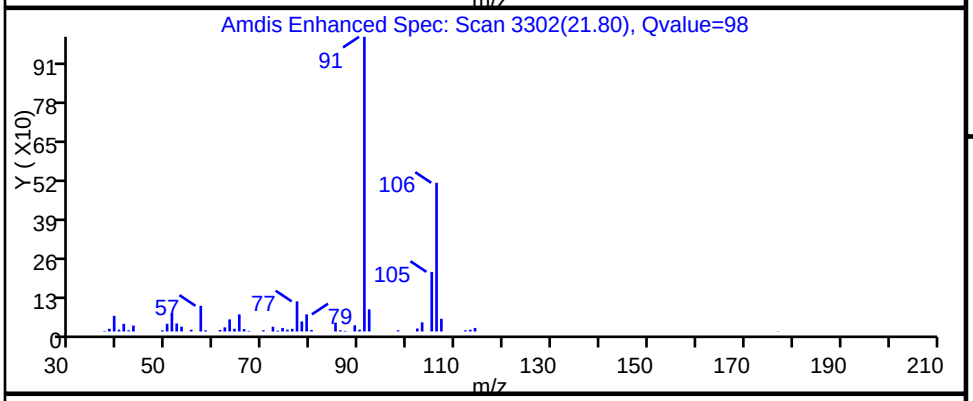


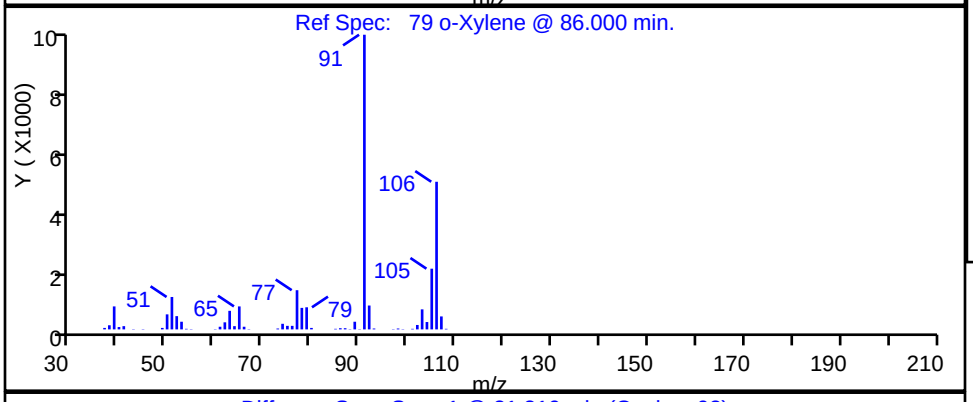


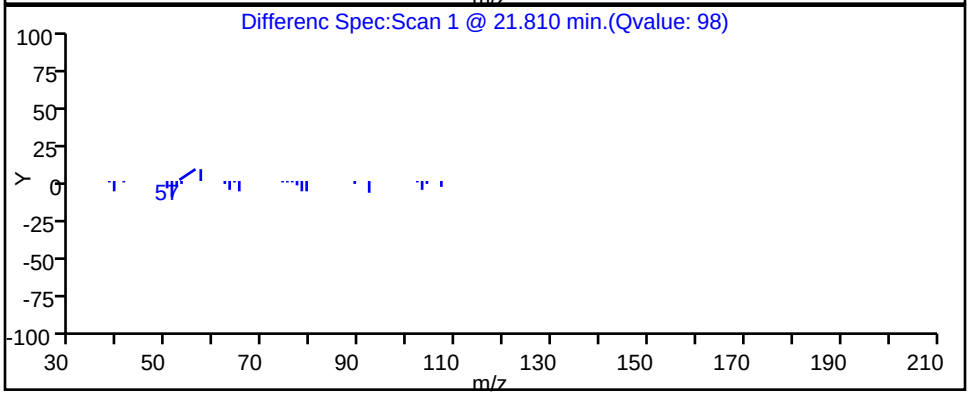
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

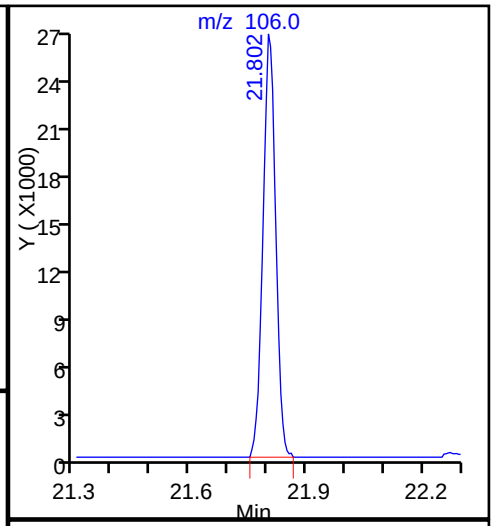
79 o-Xylene, CAS: 95-47-6

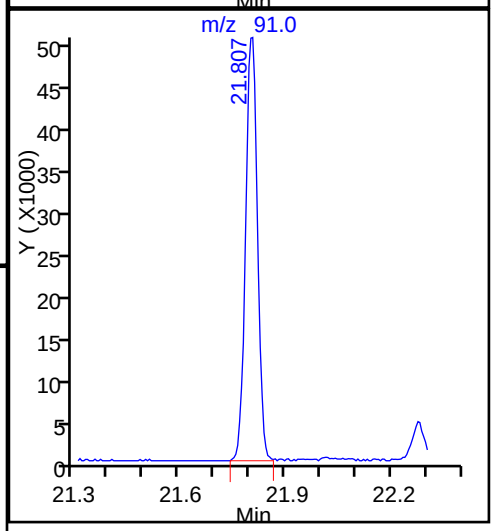






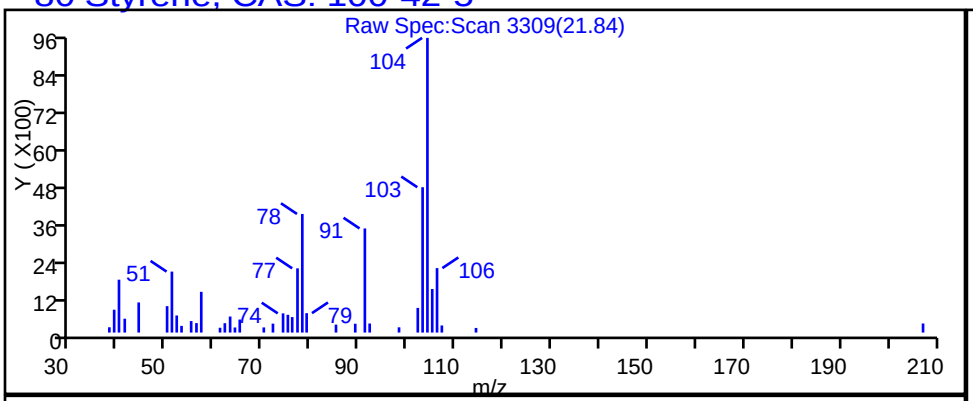


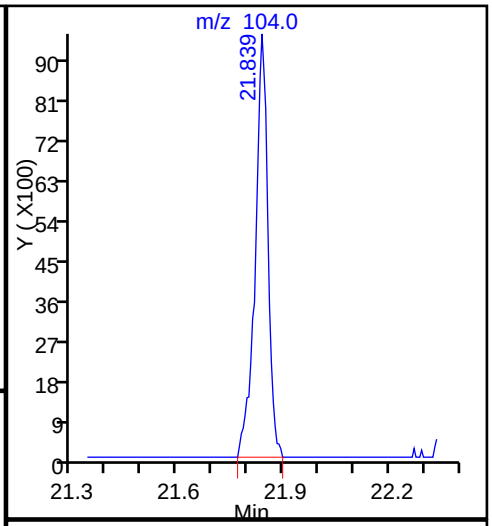


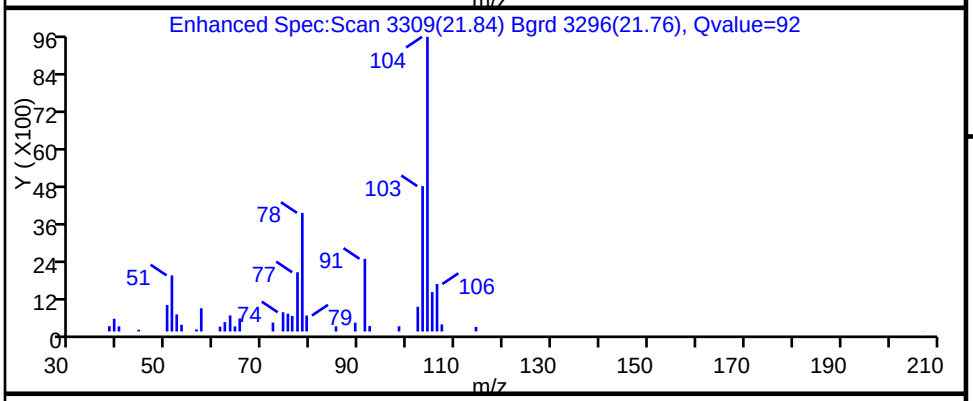


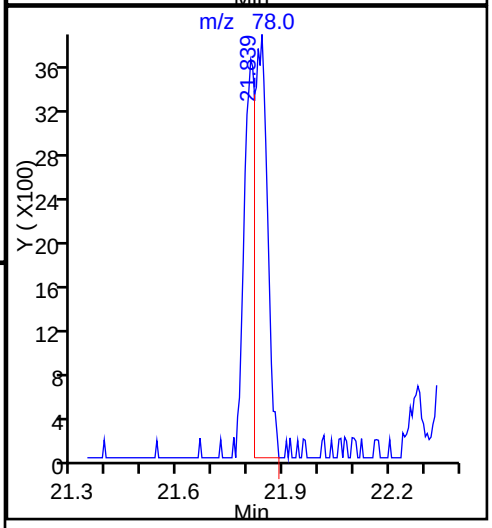
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

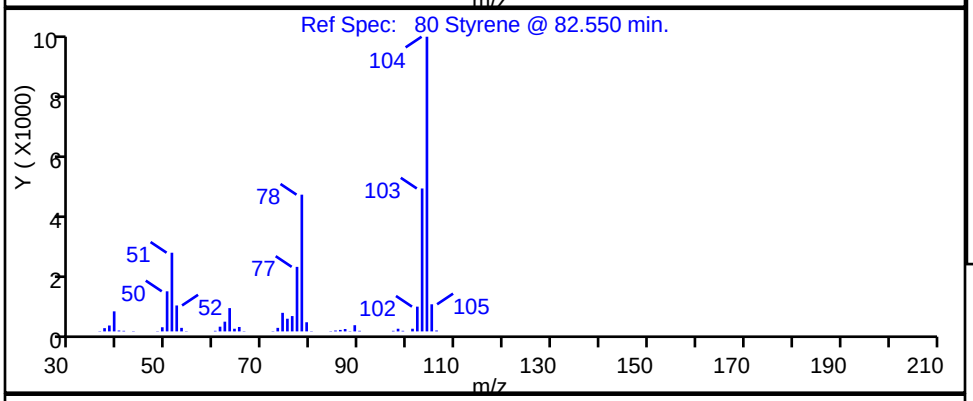
80 Styrene, CAS: 100-42-5

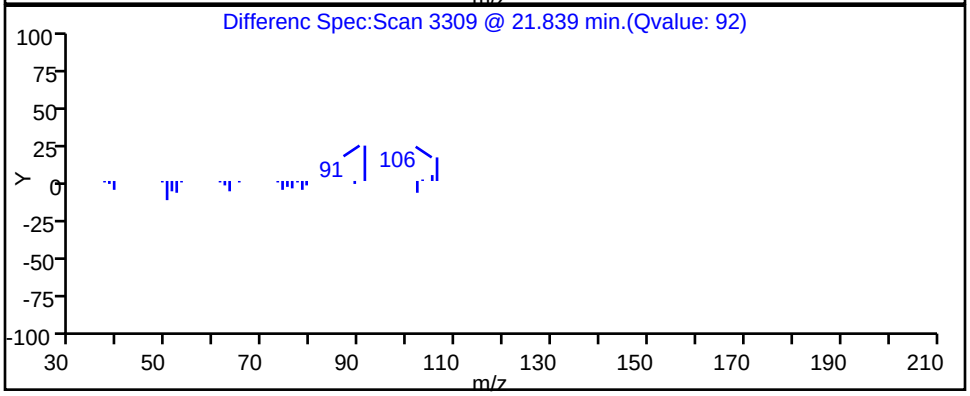








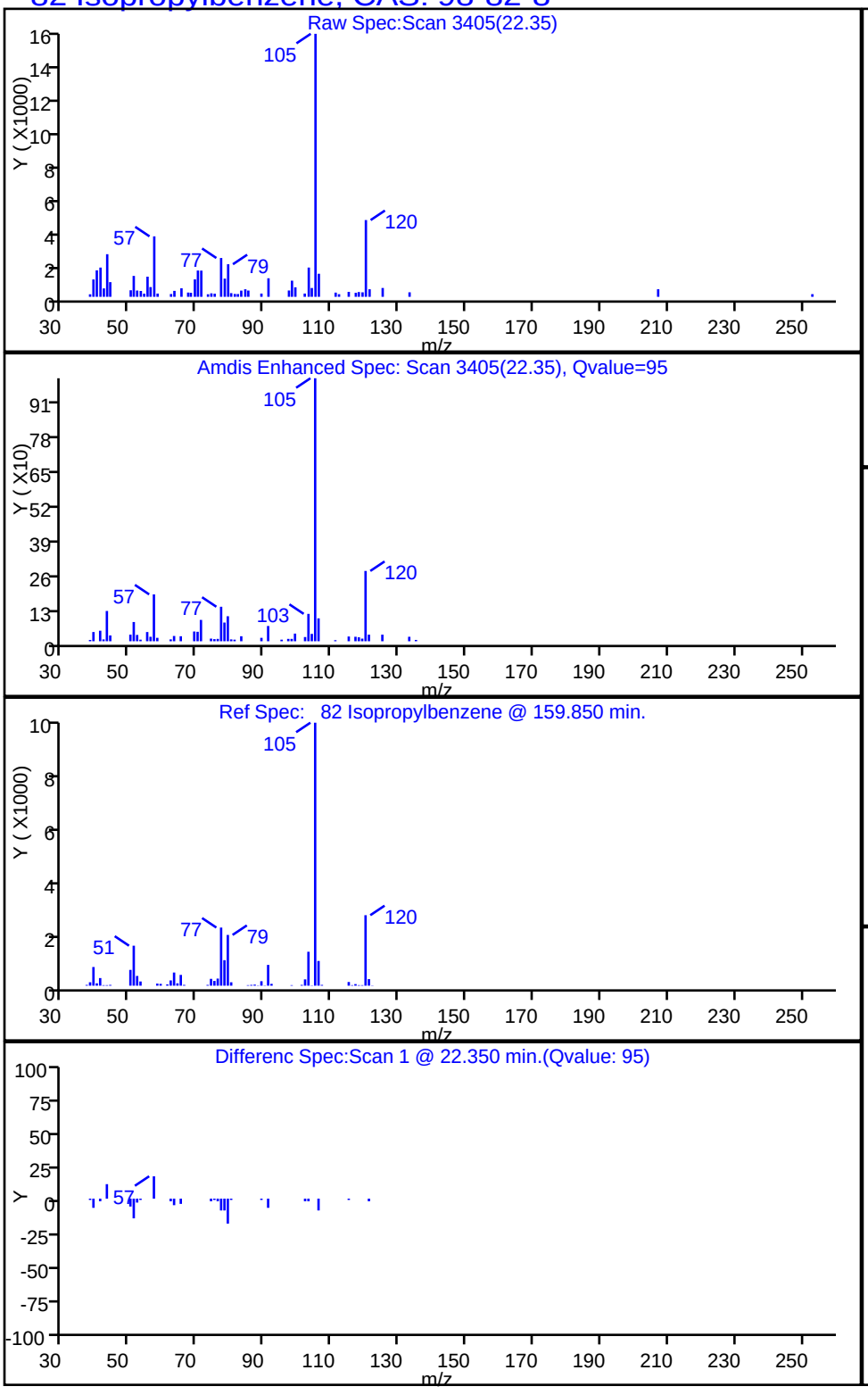


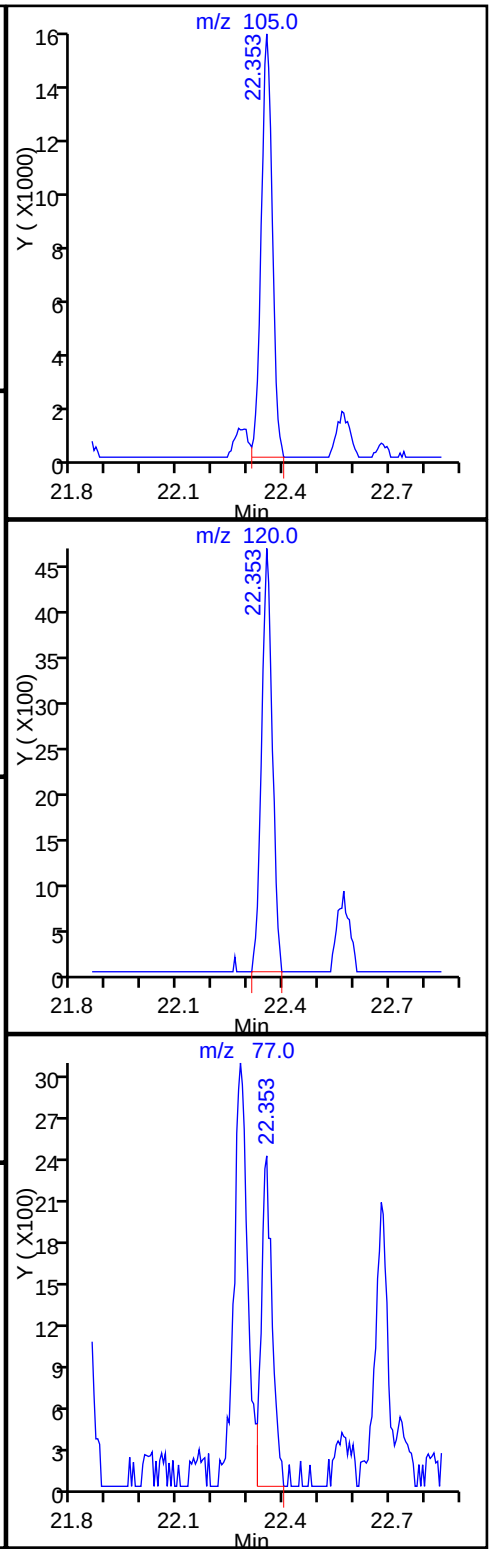


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

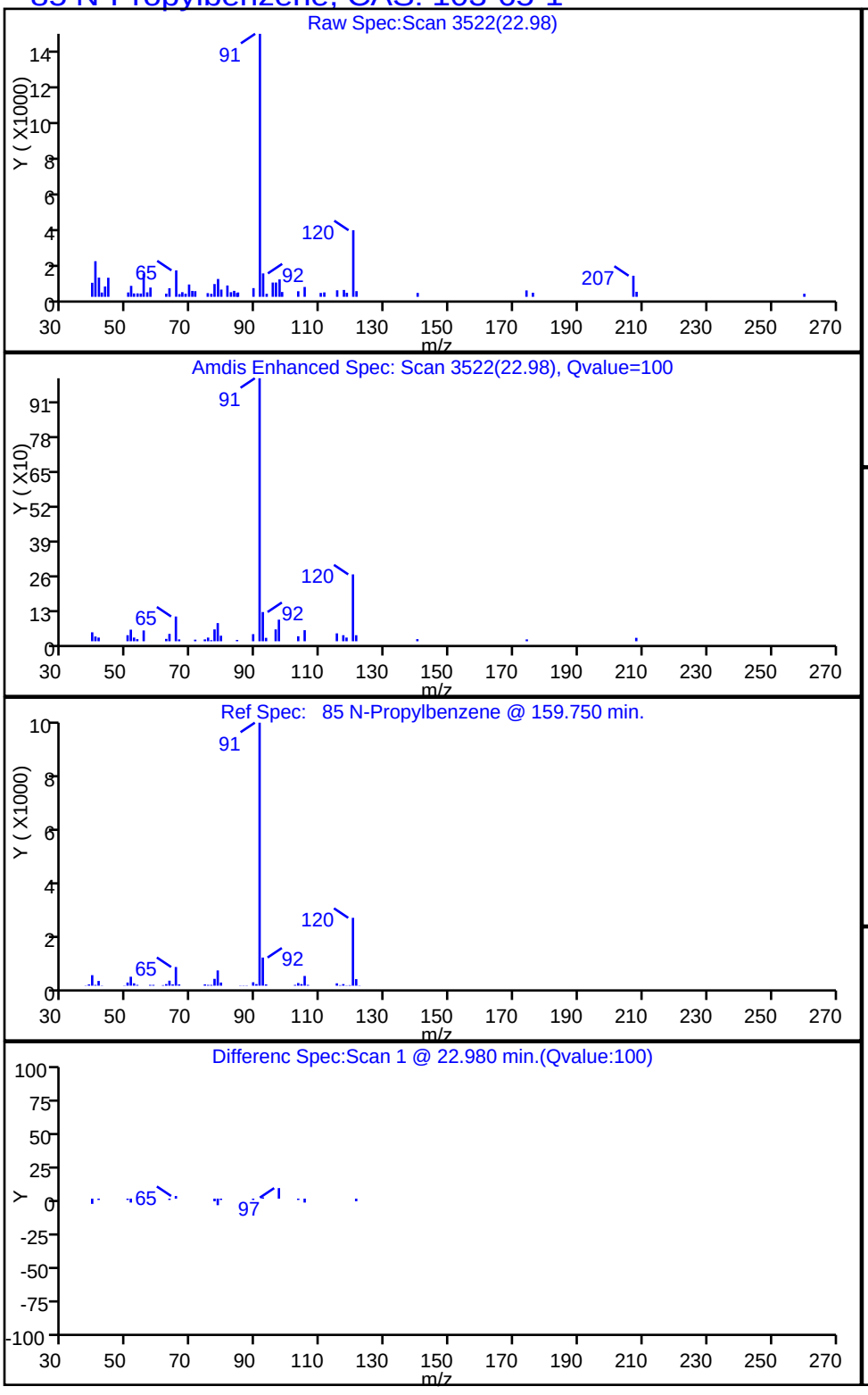


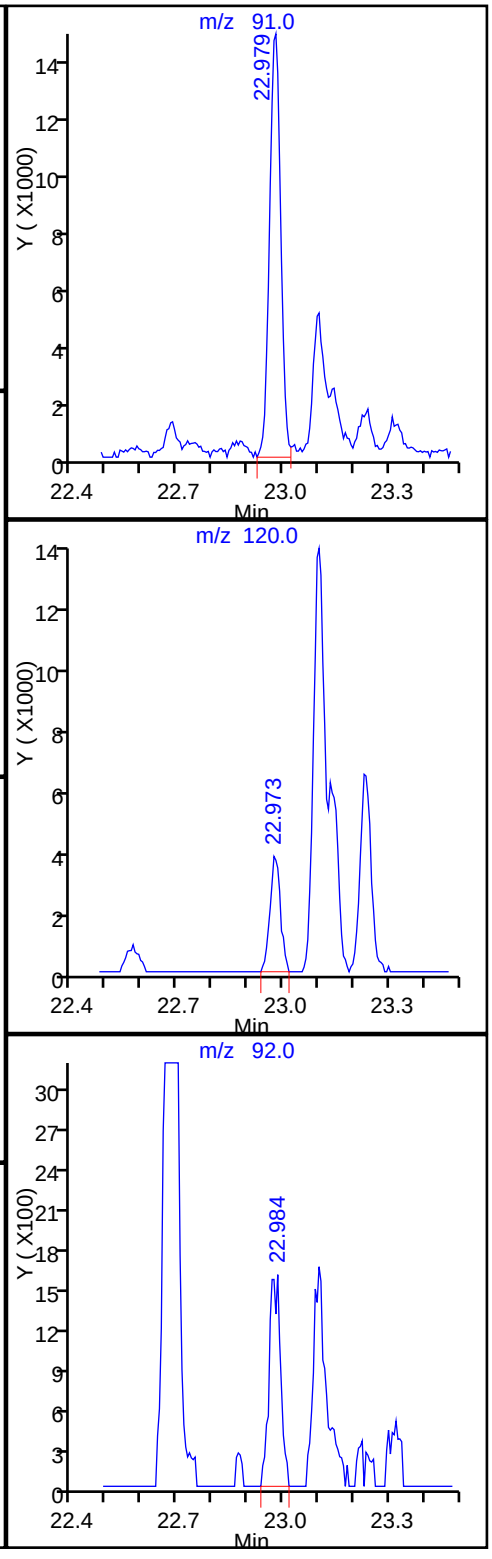


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

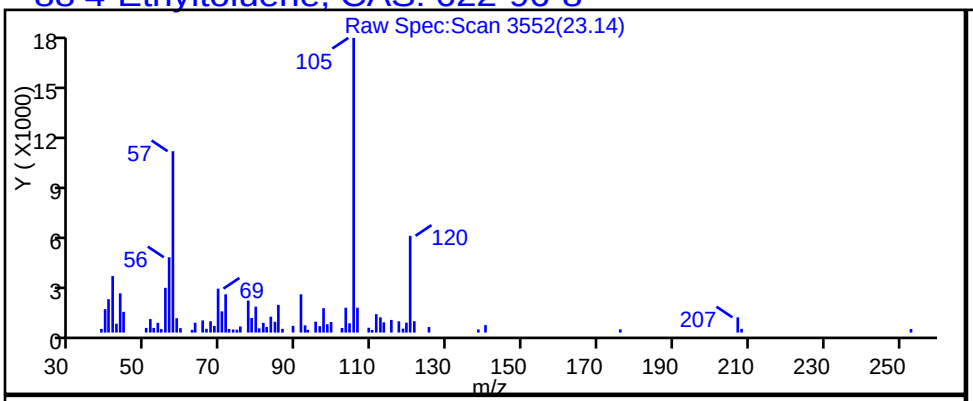


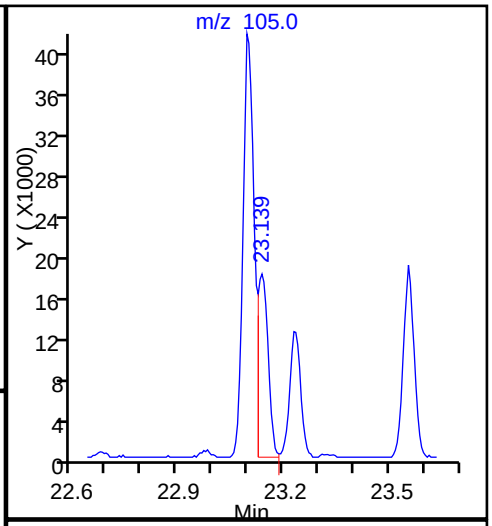


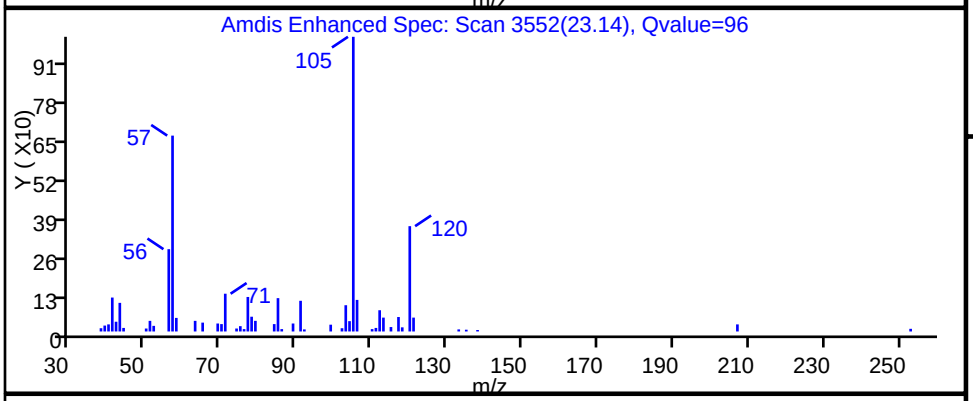
TestAmerica Burlington

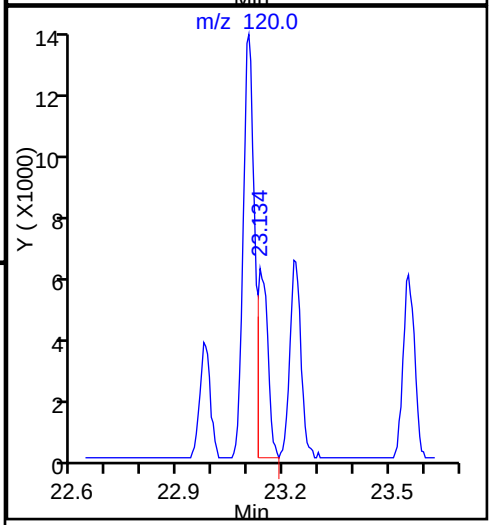
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

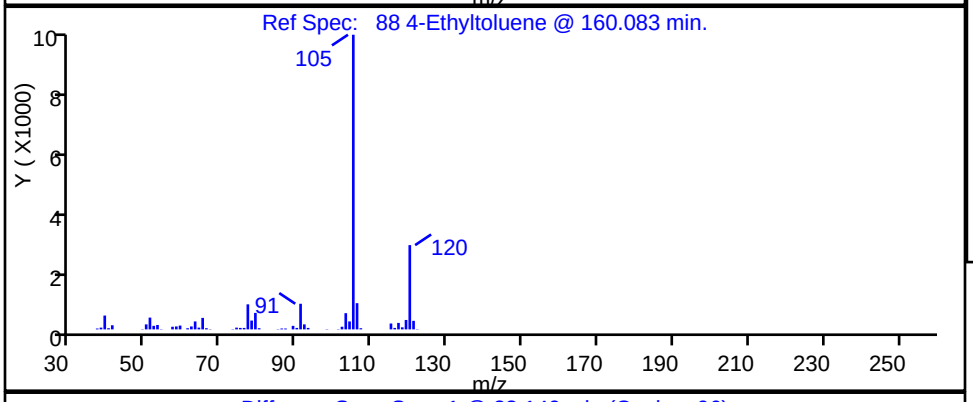
88 4-Ethyltoluene, CAS: 622-96-8

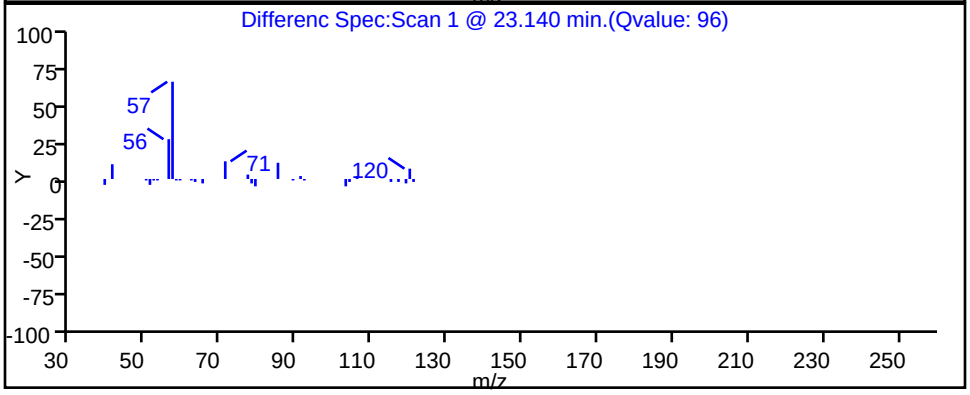








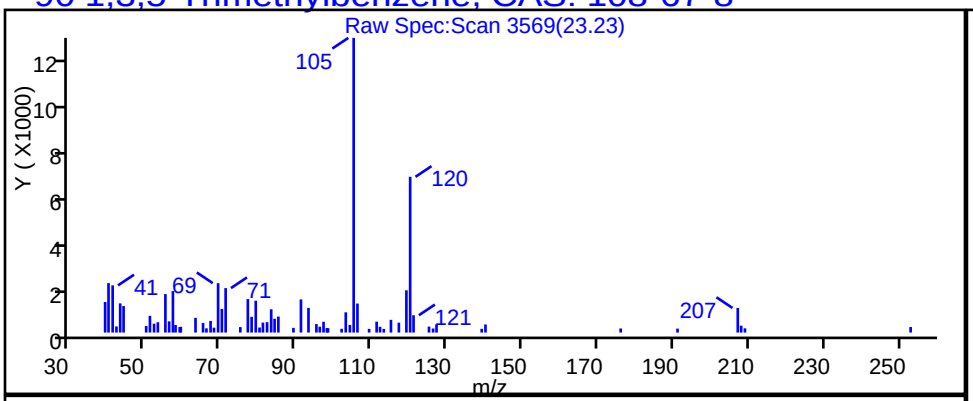


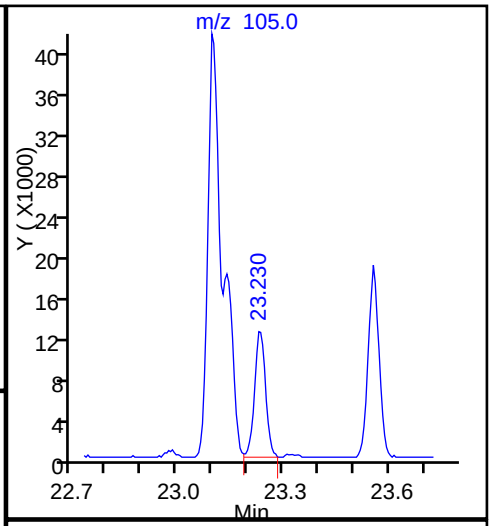


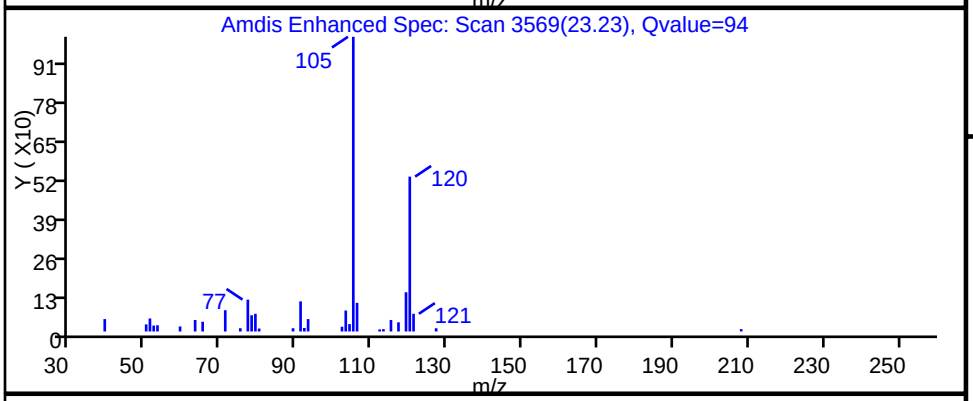
TestAmerica Burlington

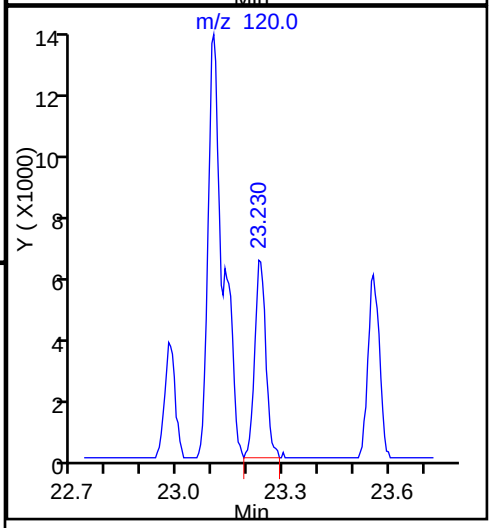
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

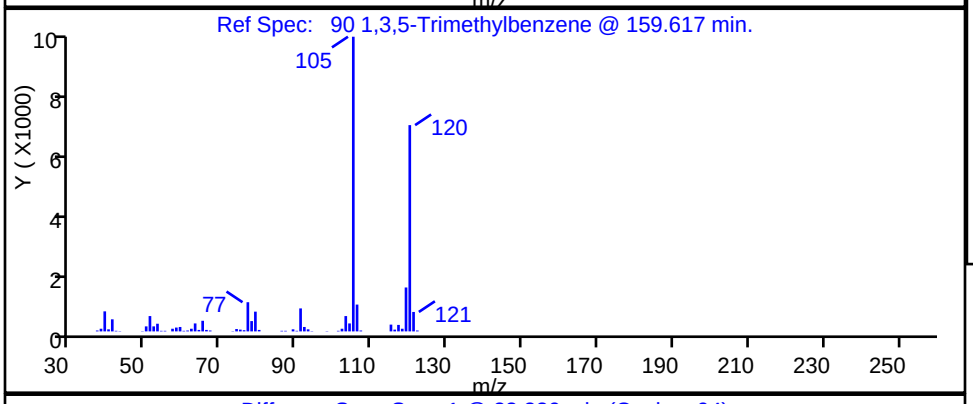
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

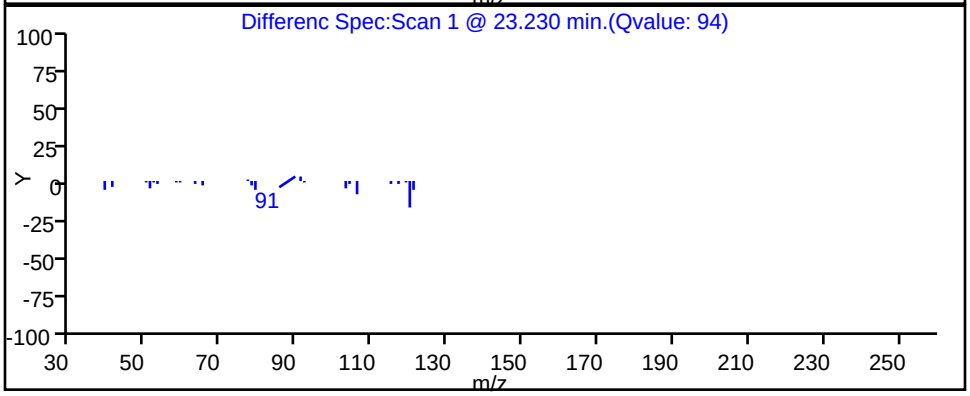








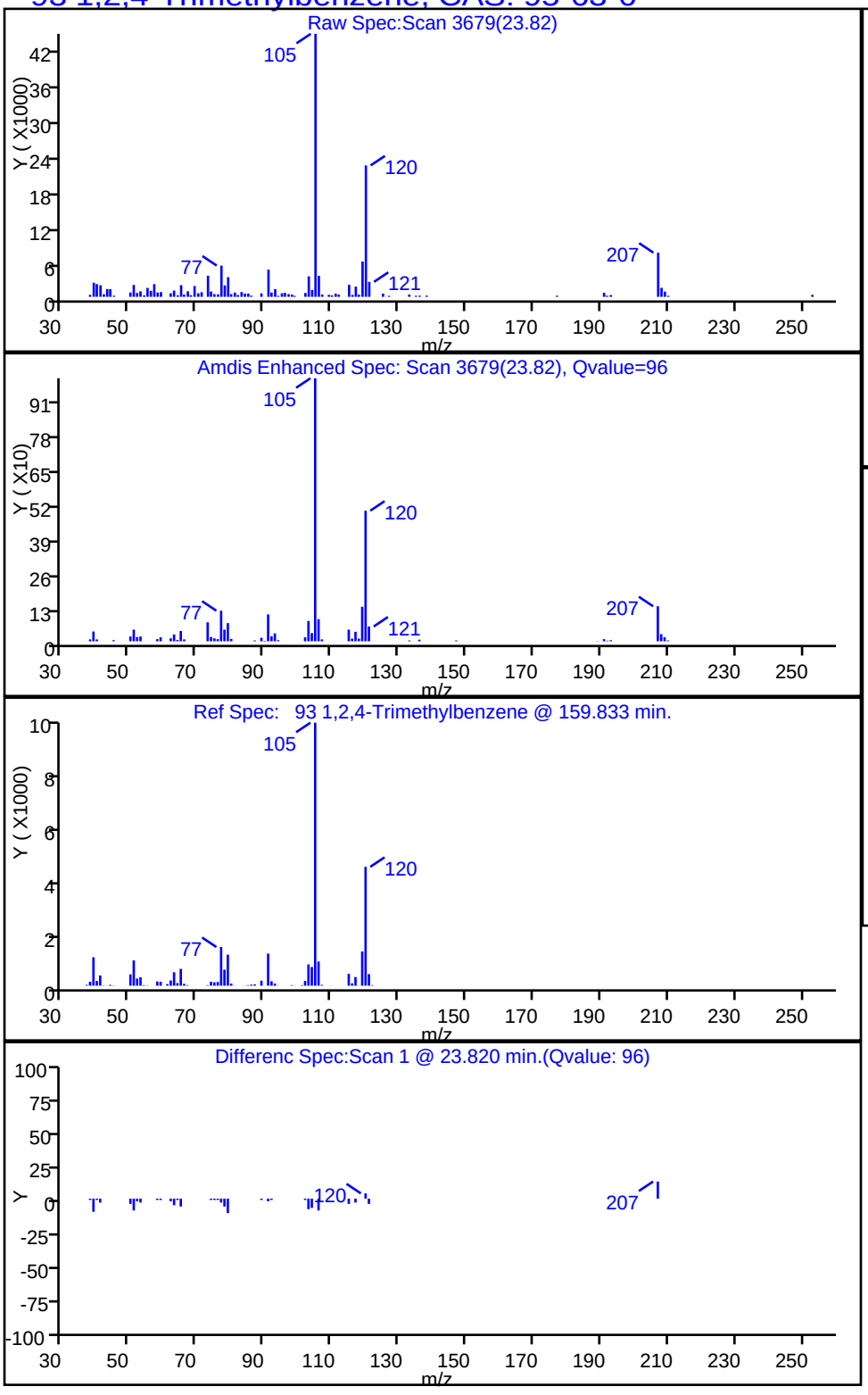


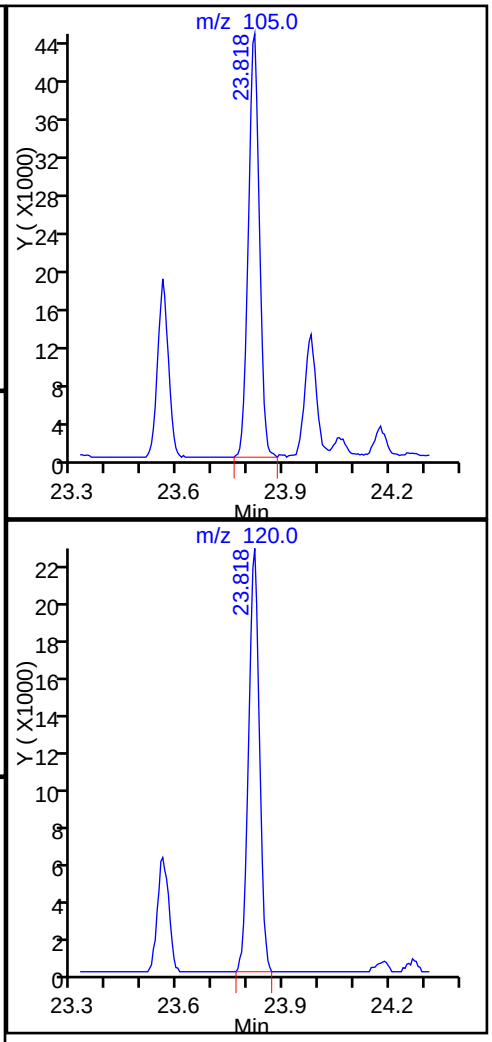


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

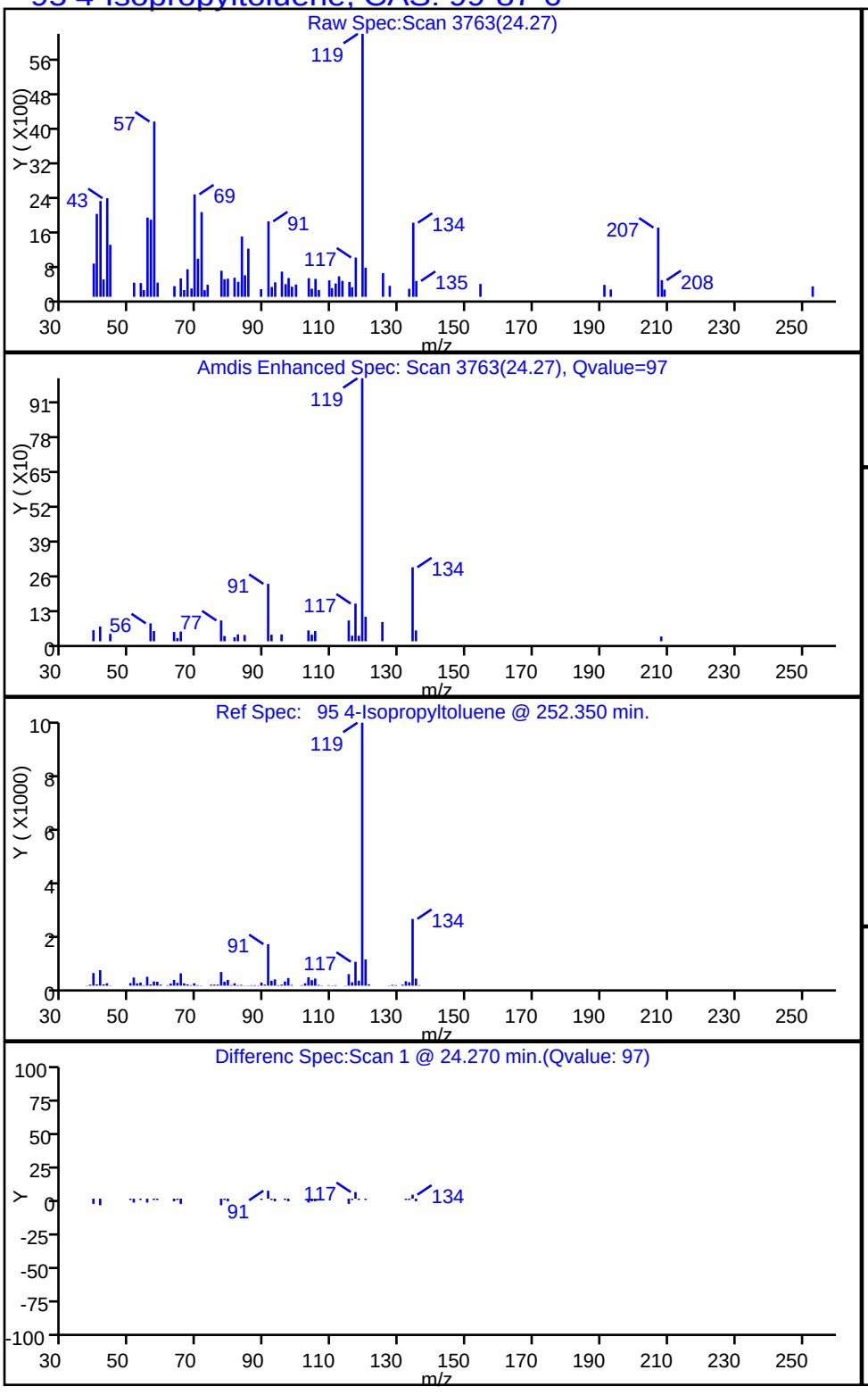
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

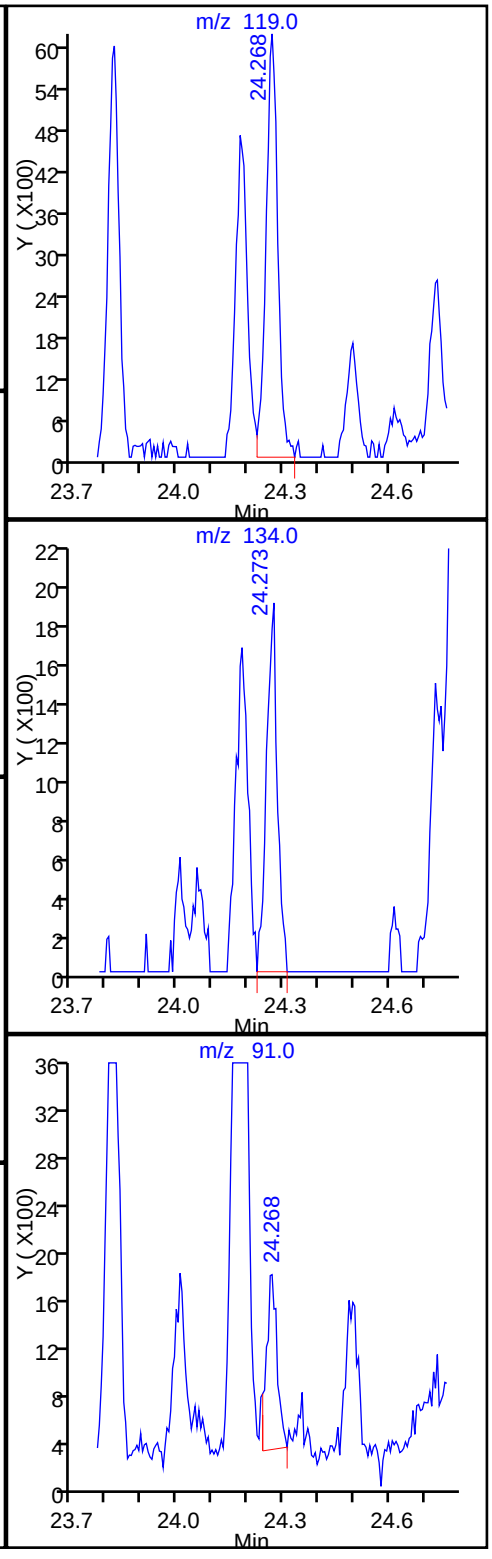




Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d
Injection Date: 10-Sep-2015 19:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-7 Lab Sample ID: 200-29580-7
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

95 4-Isopropyltoluene, CAS: 99-87-6

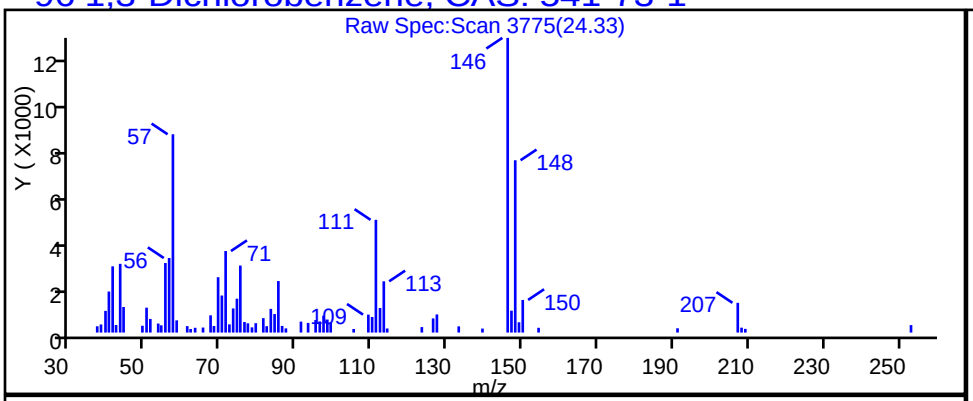


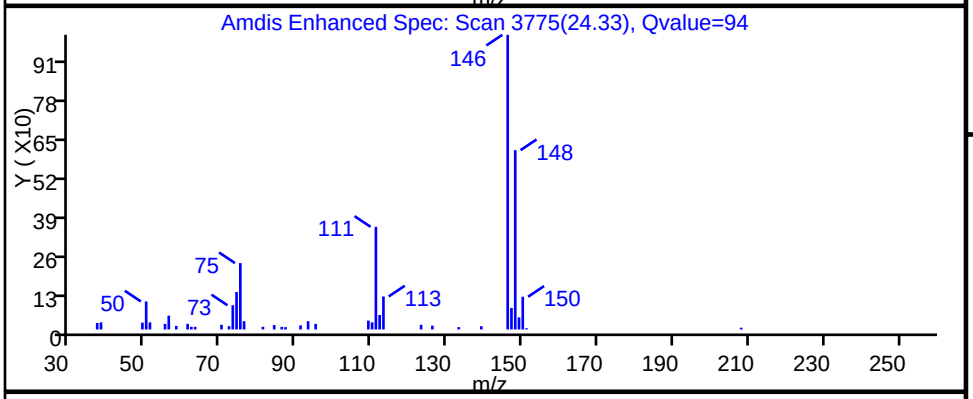


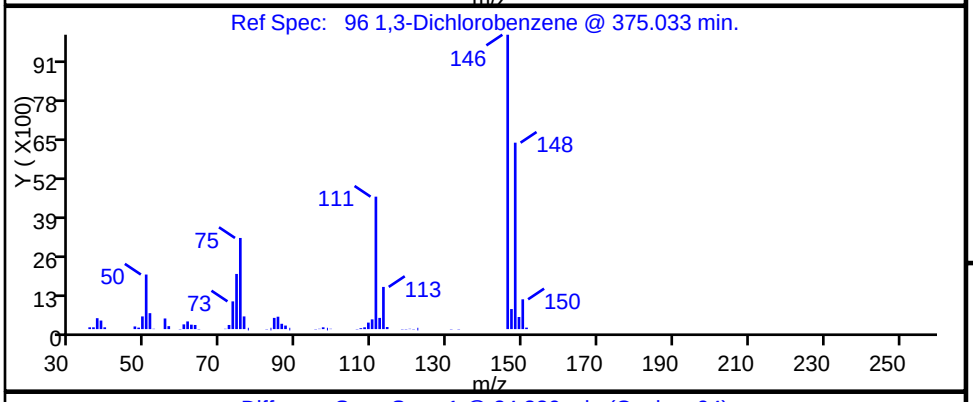
TestAmerica Burlington

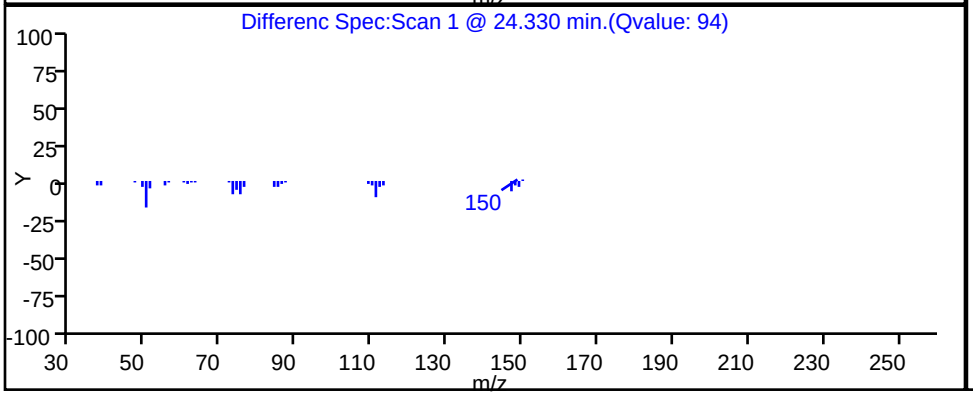
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

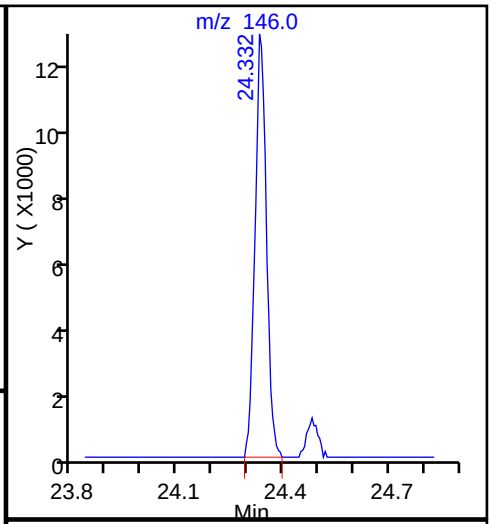
96 1,3-Dichlorobenzene, CAS: 541-73-1

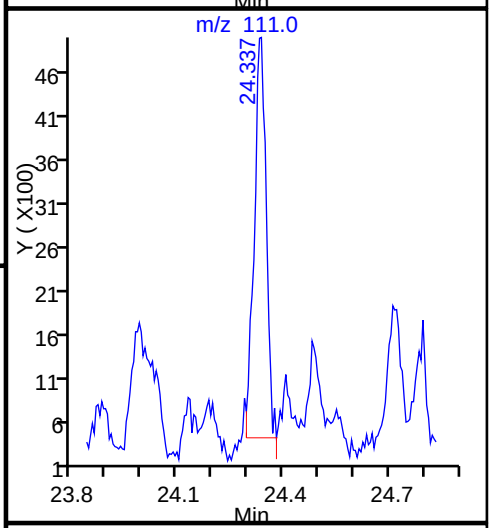


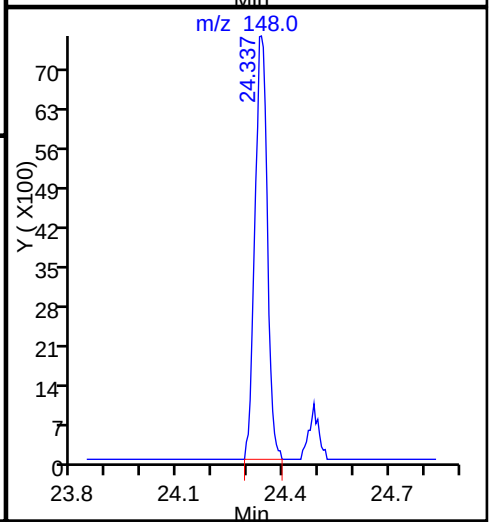








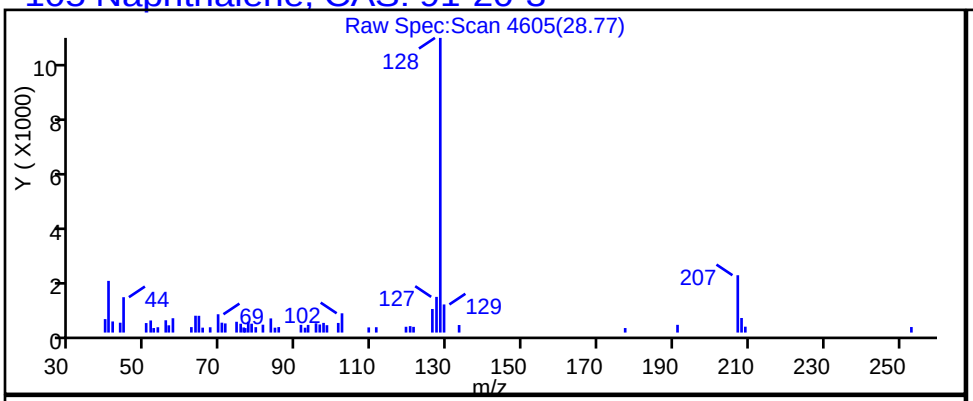


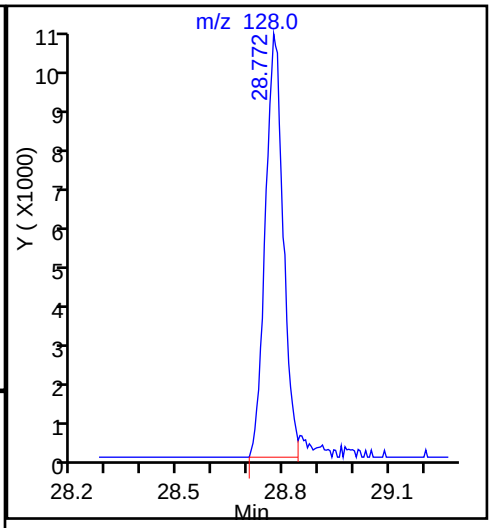


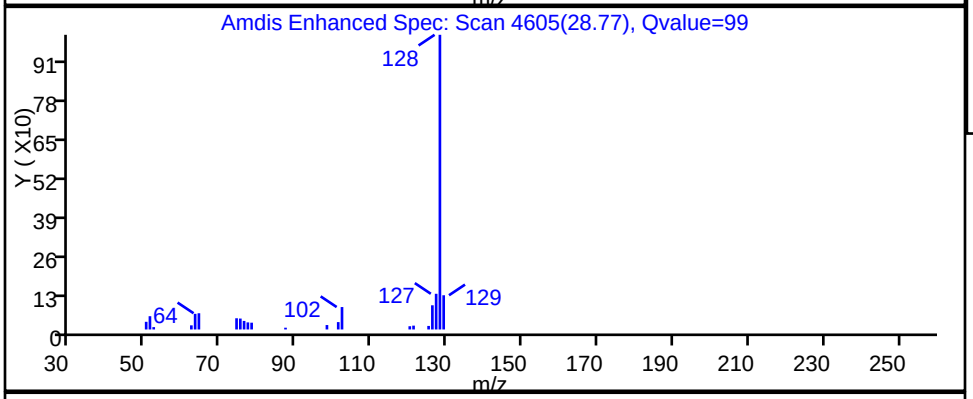
TestAmerica Burlington

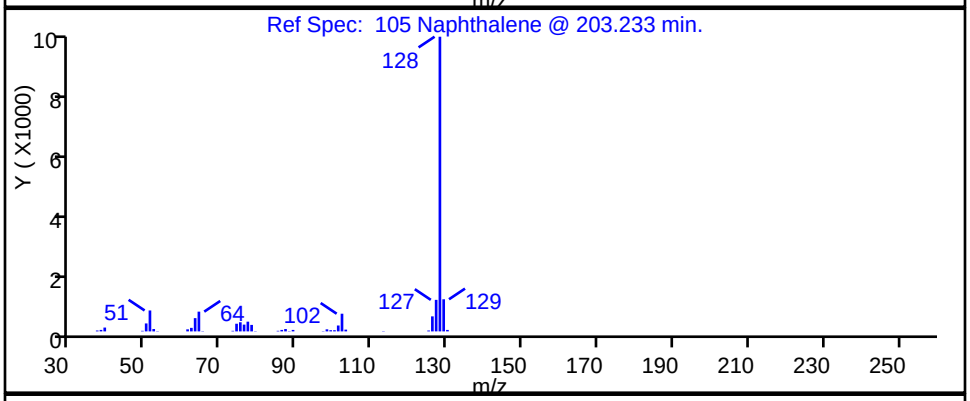
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

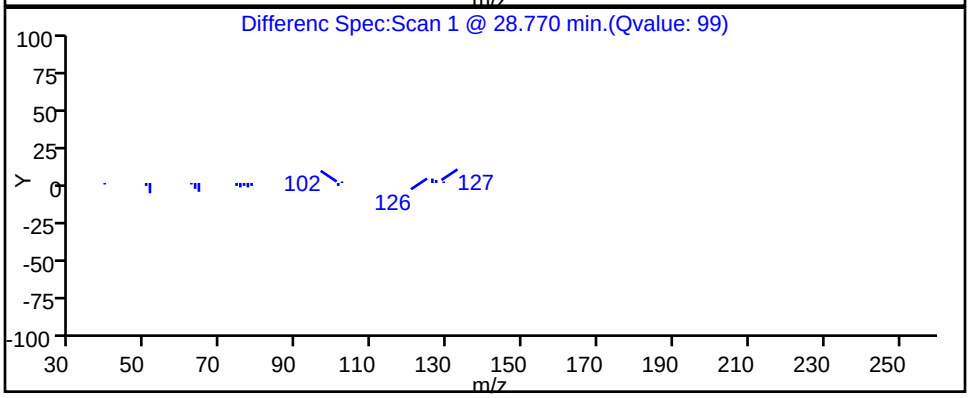
105 Naphthalene, CAS: 91-20-3











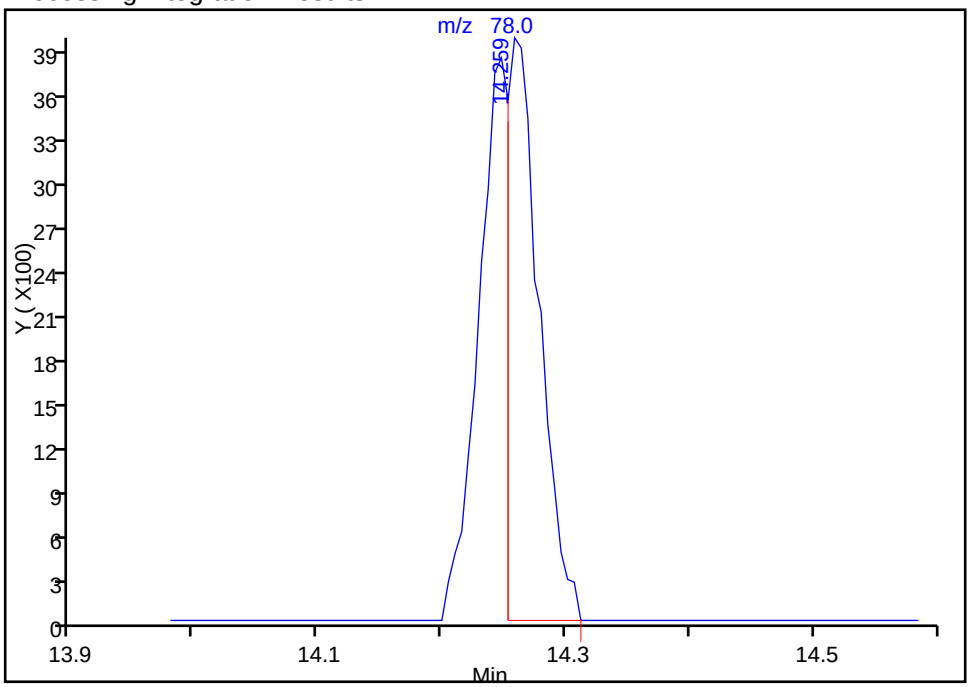
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_014.d				
Injection Date:	10-Sep-2015 19:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-7	Lab Sample ID:	200-29580-7		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Benzene, CAS: 71-43-2

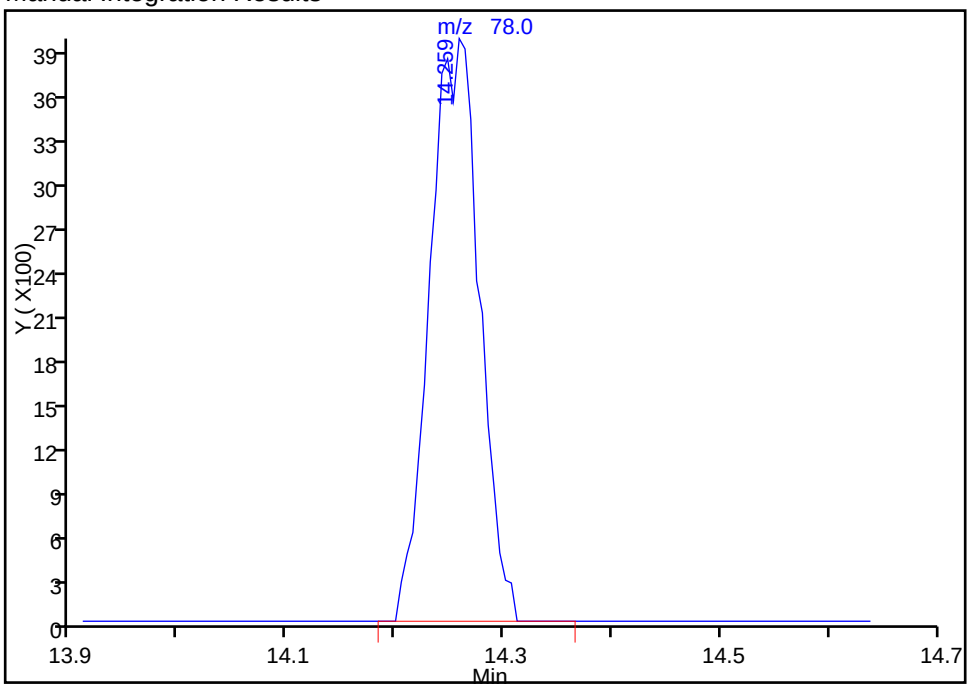
Processing Integration Results

RT: 14.26
Area: 7268
Amount: 0.073945
Amount Units: ppb v/v



Manual Integration Results

RT: 14.26
Area: 12761
Amount: 0.129831
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:06:02
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-8

Matrix: Air Lab File ID: 15679_015.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 20:05

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.52		0.50	0.056
75-45-6	Freon 22	86.47	1.2		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.48	J	0.50	0.060
106-97-8	n-Butane	58.12	2.1		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.10	J	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.25		0.20	0.045
76-13-1	Freon TF	187.38	0.11	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	16		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	16		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.70		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.12	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.89	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.33		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.5		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.11	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.28	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.098	J	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.096	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.14	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.054	J	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA | Lab Sample ID: 200-29580-8

Matrix: Air | Lab File ID: 15679_015.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:05

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 20:05

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.15	J	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	3.3	J	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.22	J	0.50	0.18
108-88-3	Toluene	92.14	1.3		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.17	J	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	1.7		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.8		0.50	0.025
95-47-6	Xylene, o-	106.17	0.71		0.20	0.018
1330-20-7	Xylene (total)	106.17	2.5		0.70	0.041
100-42-5	Styrene	104.15	0.21		0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.14	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.13	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.16	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.13	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.47		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.061	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.17	J	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-8

Matrix: Air Lab File ID: 15679_015.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 20:05

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.14	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-8

Matrix: Air Lab File ID: 15679_015.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 20:05

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.28
75-45-6	Freon 22	86.47	4.2		1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.98	J	1.0	0.12
106-97-8	n-Butane	58.12	5.1		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.27	J	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.25
76-13-1	Freon TF	187.38	0.83	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	38		12	1.6
67-63-0	Isopropyl alcohol	60.10	40		12	0.37
75-15-0	Carbon disulfide	76.14	2.2		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.43	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	2.7	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	1.2		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	4.4		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.54	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.82	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.34	J	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.60	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.46	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.22	J	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA | Lab Sample ID: 200-29580-8

Matrix: Air | Lab File ID: 15679_015.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:05

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 20:05

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.81	J	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	12	J	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.92	J	2.0	0.74
108-88-3	Toluene	92.14	5.0		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.70	J	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	7.6		0.87	0.087
179601-23-1	m,p-Xylene	106.17	7.8		2.2	0.11
95-47-6	Xylene, o-	106.17	3.1		0.87	0.078
1330-20-7	Xylene (total)	106.17	11		3.0	0.18
100-42-5	Styrene	104.15	0.88		0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.67	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.64	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.79	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.66	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	2.3		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.34	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.0	J	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0201NA Lab Sample ID: 200-29580-8

Matrix: Air Lab File ID: 15679_015.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 20:05

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.75	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Sample Type: Client
Inject. Date: 10-Sep-2015 20:05:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-015
Misc. Info.: 29580-8
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:08:37 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:08:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.410	4.415	-0.005	98	44168	0.5243	
3 Chlorodifluoromethane	51	4.479	4.485	-0.006	96	45102	1.19	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.993	4.998	-0.005	99	10394	0.4754	
6 Butane	43	5.276	5.282	-0.006	98	67821	2.13	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64	6.667	6.667	0.000	18	1654	0.1027	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.288	0.005	98	23635	0.2547	
20 1,1,2-Trichloro-1,2,2-trif	101	8.598	8.593	0.005	89	7561	0.1082	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.941	8.946	-0.005	96	548045	16.2	
23 Carbon disulfide	76	9.160	9.166	-0.006	95	56813	0.6988	
24 Isopropyl alcohol	45	9.235	9.224	0.011	100	478652	16.3	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.936	9.931	0.005	80	3270	0.1239	
28 2-Methyl-2-propanol	59	10.134	10.123	0.011	95	41421	0.8913	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.856	10.856	0.000	89	14184	0.3323	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.664	12.654	0.010	98	25299	1.48	
* 40 Chlorobromomethane	128	13.113	13.114	-0.001	71	261481	10.0	
41 Tetrahydrofuran	42	13.119	13.114	0.005	30	6853	0.2780	
42 Chloroform	83	13.220	13.221	-0.001	94	7630	0.1107	
43 Cyclohexane	84	13.515	13.515	0.000	94	4702	0.0979	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.782	13.788	-0.006	91	7233	0.0958	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.253	14.259	-0.005	93	15263	0.1438	
48 1,2-Dichloroethane	62	14.424	14.424	0.000	93	2086	0.0541	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1233848	10.0	
53 Trichloroethene	95	15.478	15.484	-0.006	91	7507	0.1506	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88	16.195	16.200	-0.005	86	59578	3.33	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.639	17.629	0.010	95	12305	0.2246	
65 Toluene	92	17.966	17.960	0.006	94	112875	1.32	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43	19.266	19.266	0.000	98	9402	0.1717	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		2.50	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1185732	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.897	20.903	-0.006	97	323228	1.74	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	100	137611	1.79	
79 o-Xylene	106	21.801	21.807	-0.006	98	56454	0.7110	
80 Styrene	104	21.839	21.839	0.000	92	25139	0.2069	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.352	22.353	-0.001	94	30830	0.1363	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.978	22.979	-0.001	100	33777	0.1296	
88 4-Ethyltoluene	105	23.139	23.144	-0.005	98	37212	0.1604	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	94	26551	0.1343	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.813	23.818	-0.005	96	94209	0.4721	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	97	15475	0.0614	
96 1,3-Dichlorobenzene	146	24.337	24.337	0.000	93	26615	0.1725	
97 1,4-Dichlorobenzene	146	24.492	24.487	0.005	44	1641	0.0107	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.772	28.772	0.000	99	34419	0.1423	

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

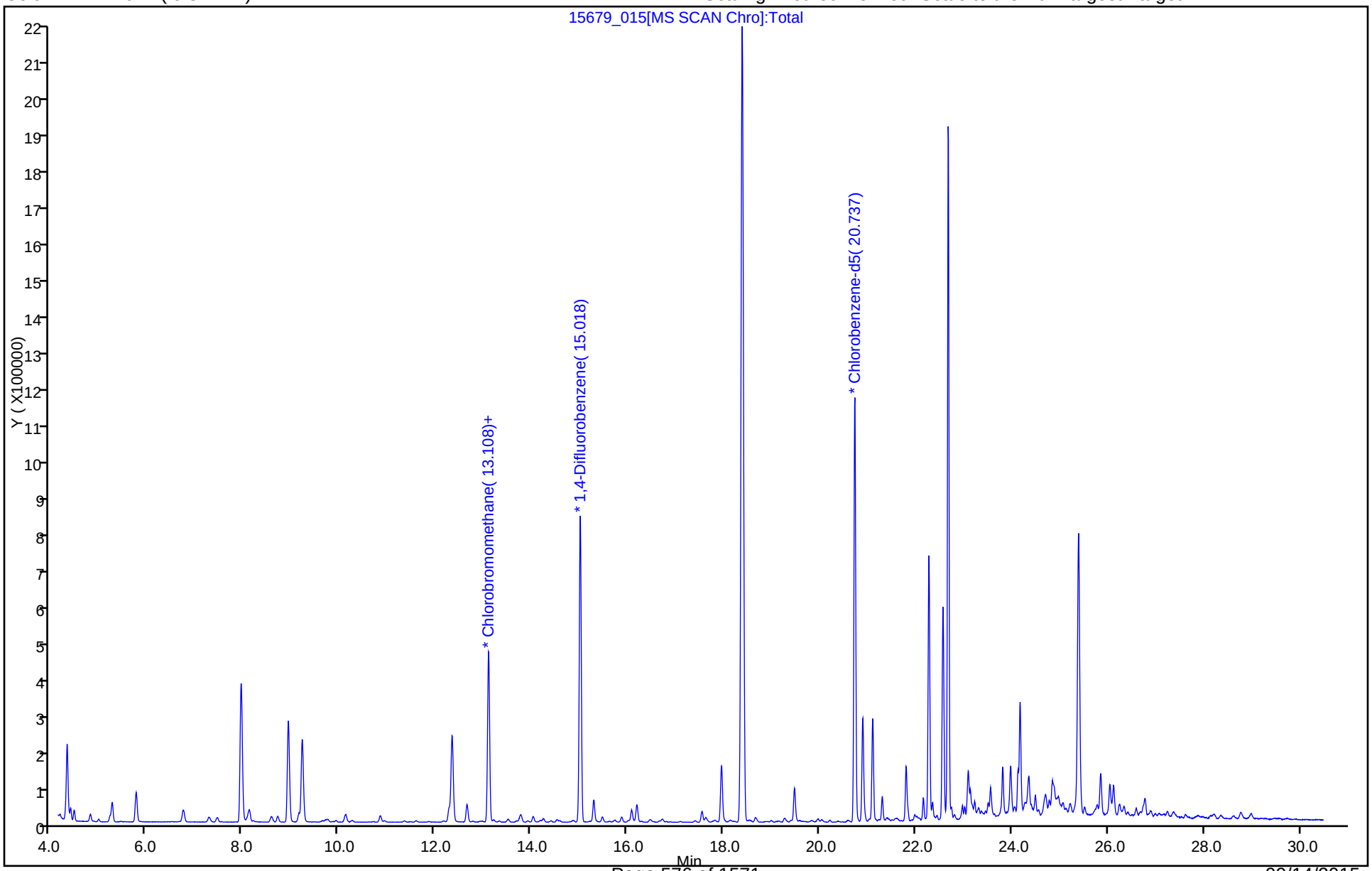
Report Date: 11-Sep-2015 11:08:38 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d

Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8	Worklist Smp#:	15
Client ID:	776VMP0201NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

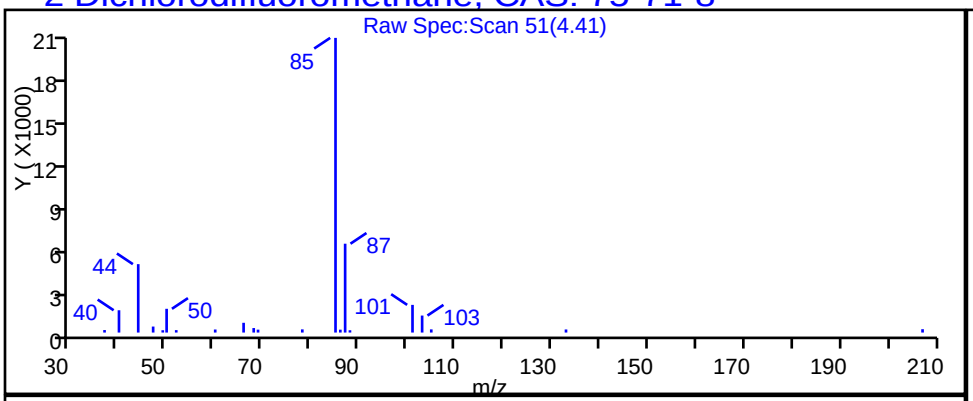
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

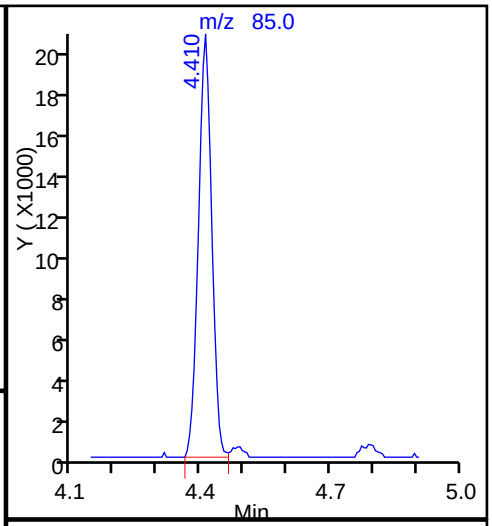


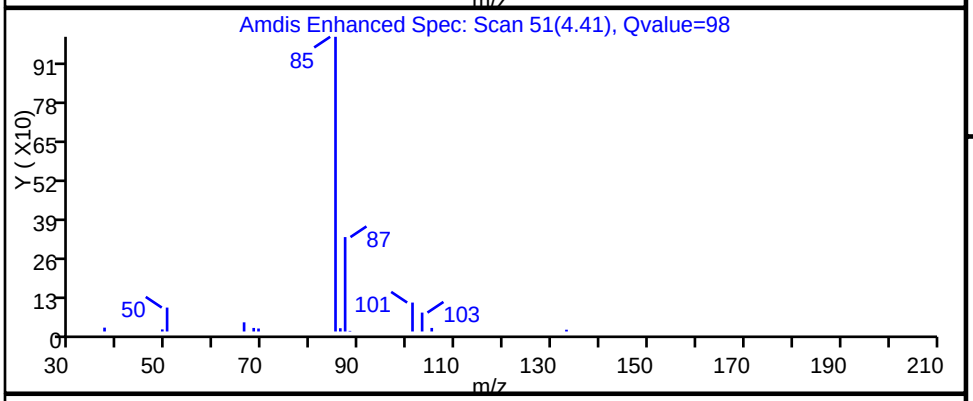
TestAmerica Burlington

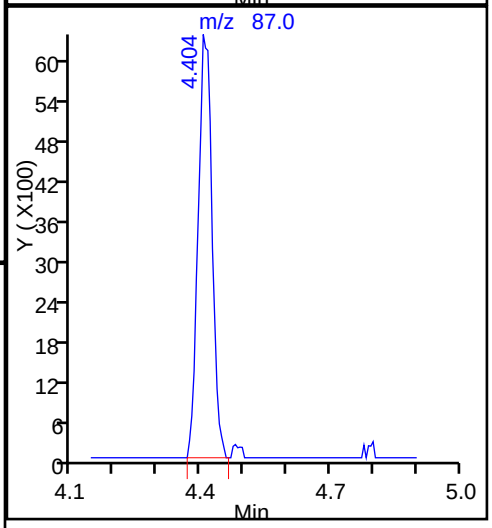
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

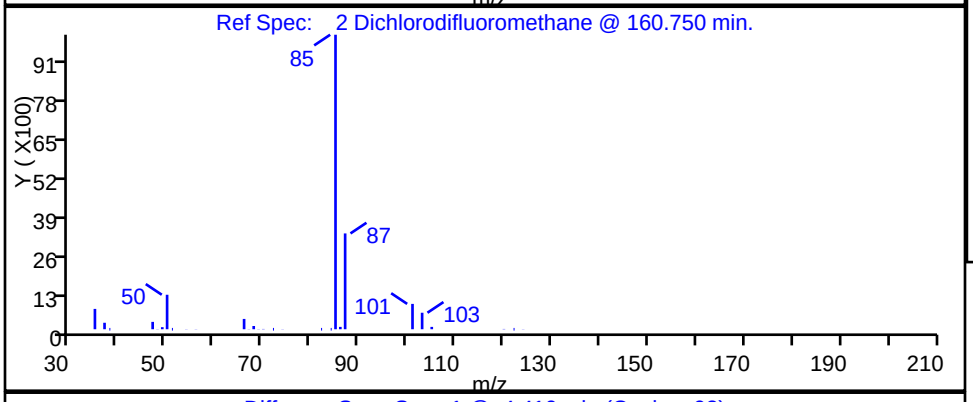
2 Dichlorodifluoromethane, CAS: 75-71-8

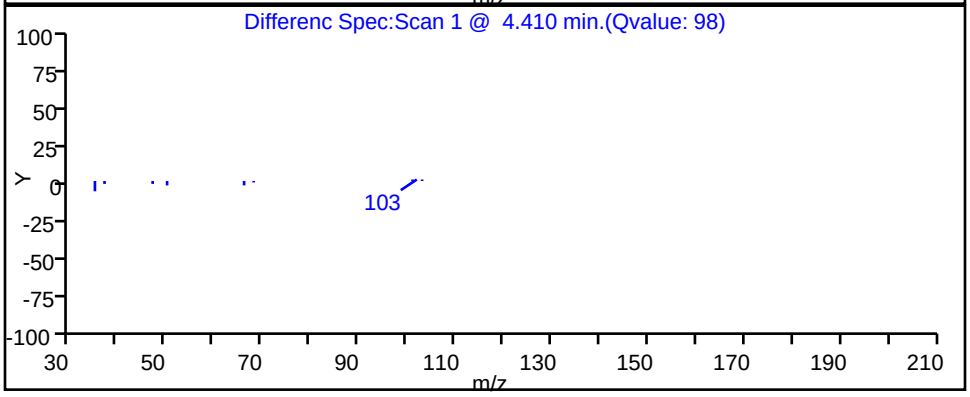








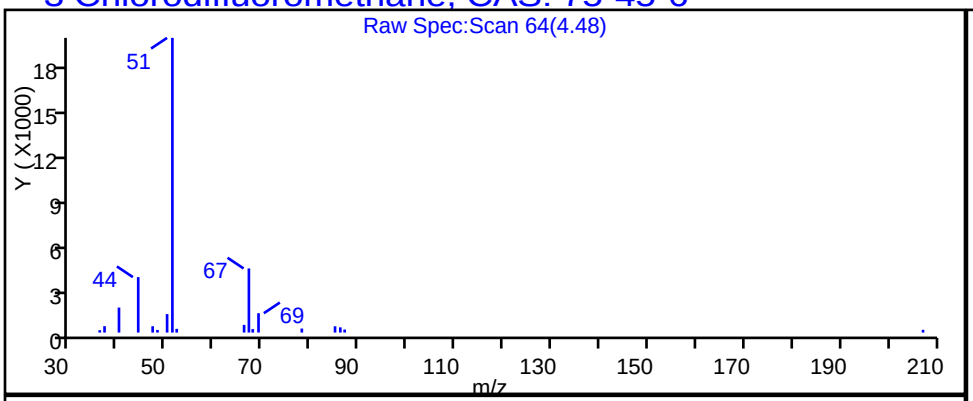


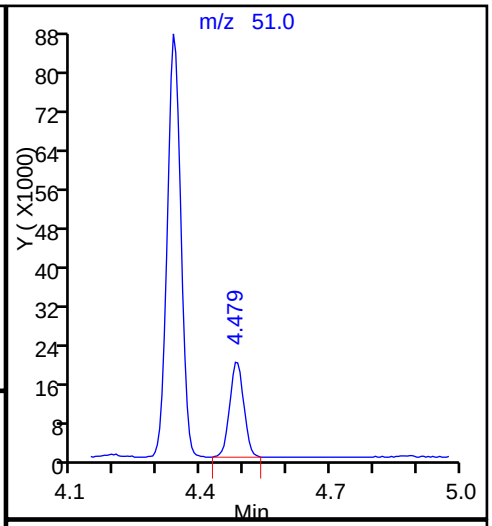


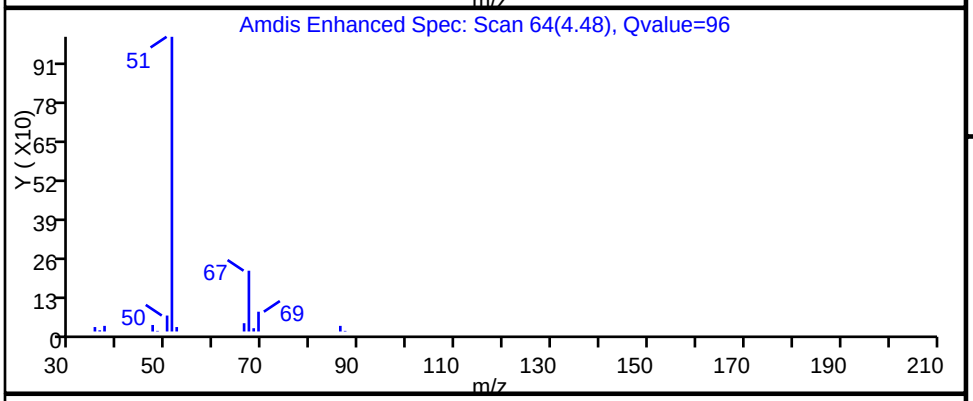
TestAmerica Burlington

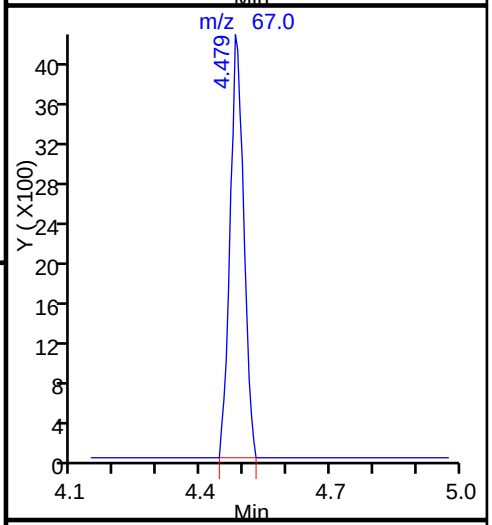
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

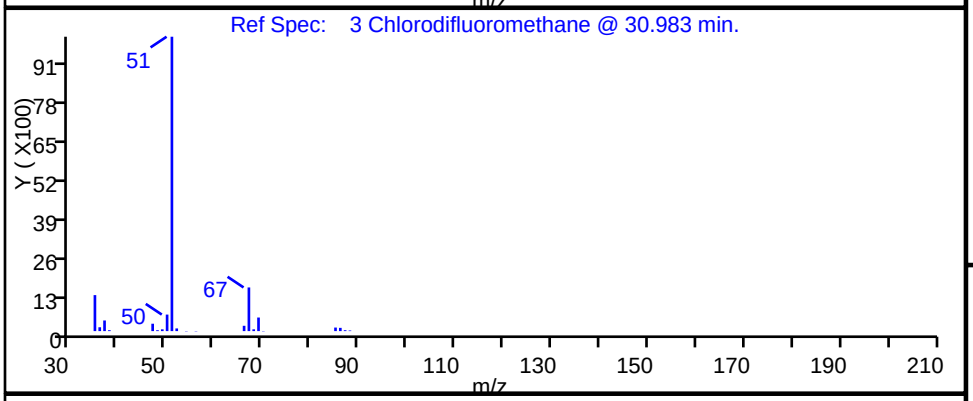
3 Chlorodifluoromethane, CAS: 75-45-6

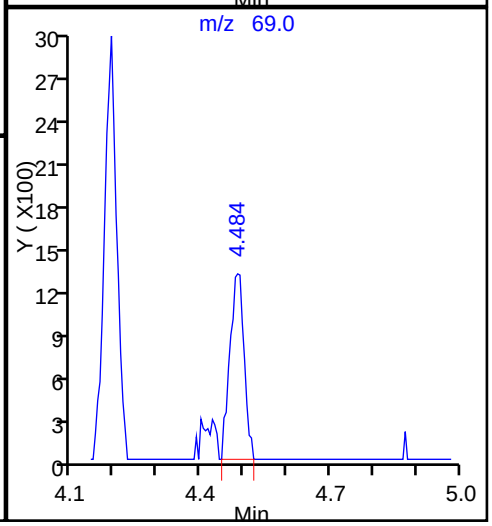


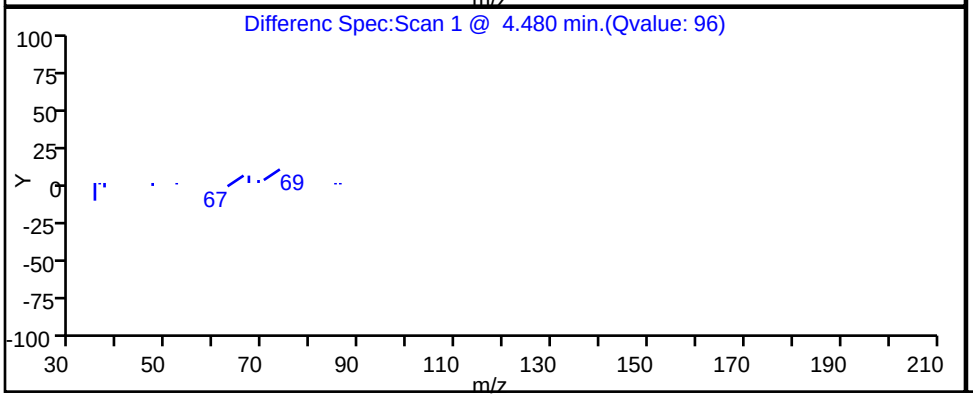








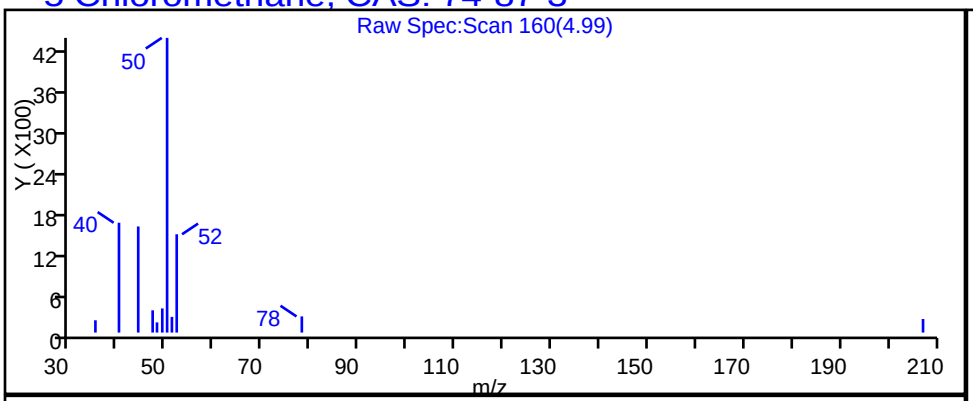


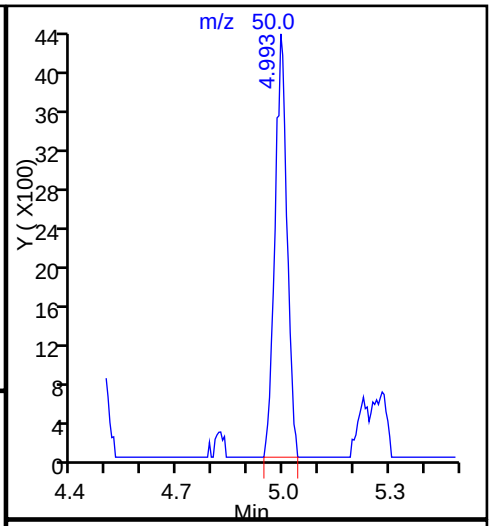


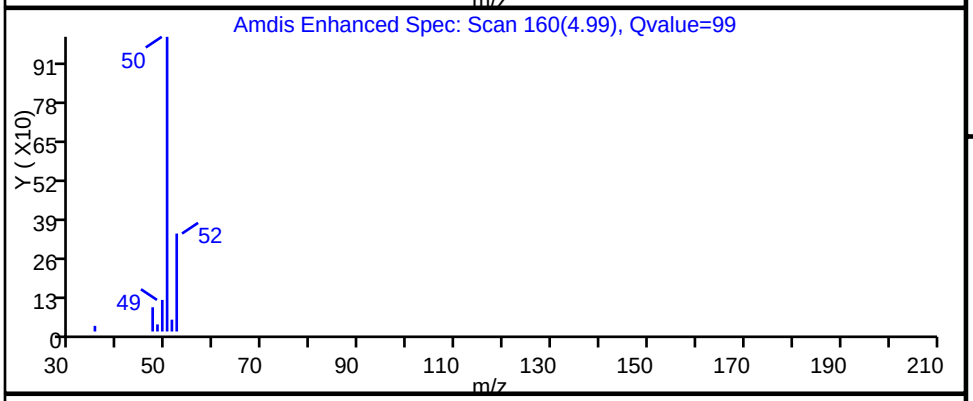
TestAmerica Burlington

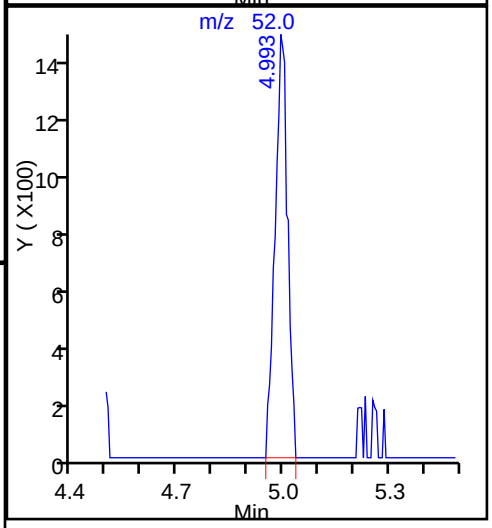
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

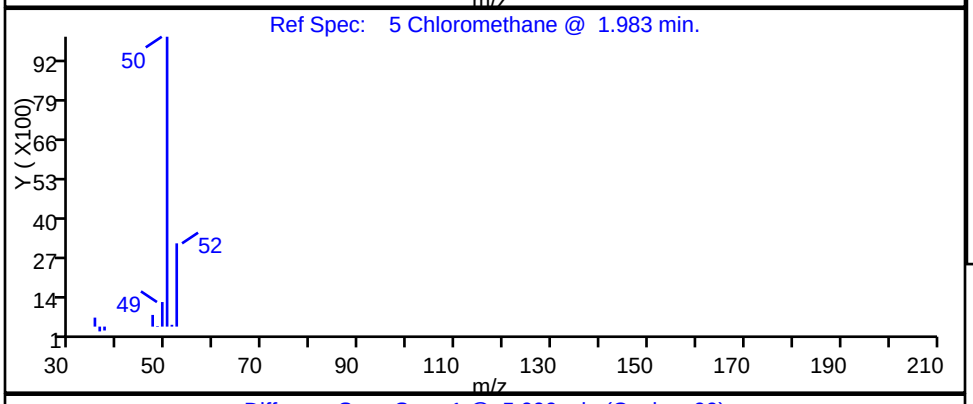
5 Chloromethane, CAS: 74-87-3

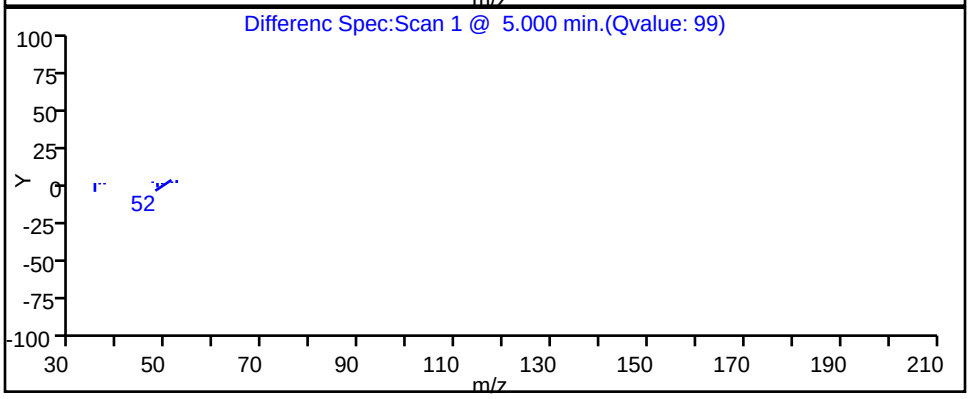






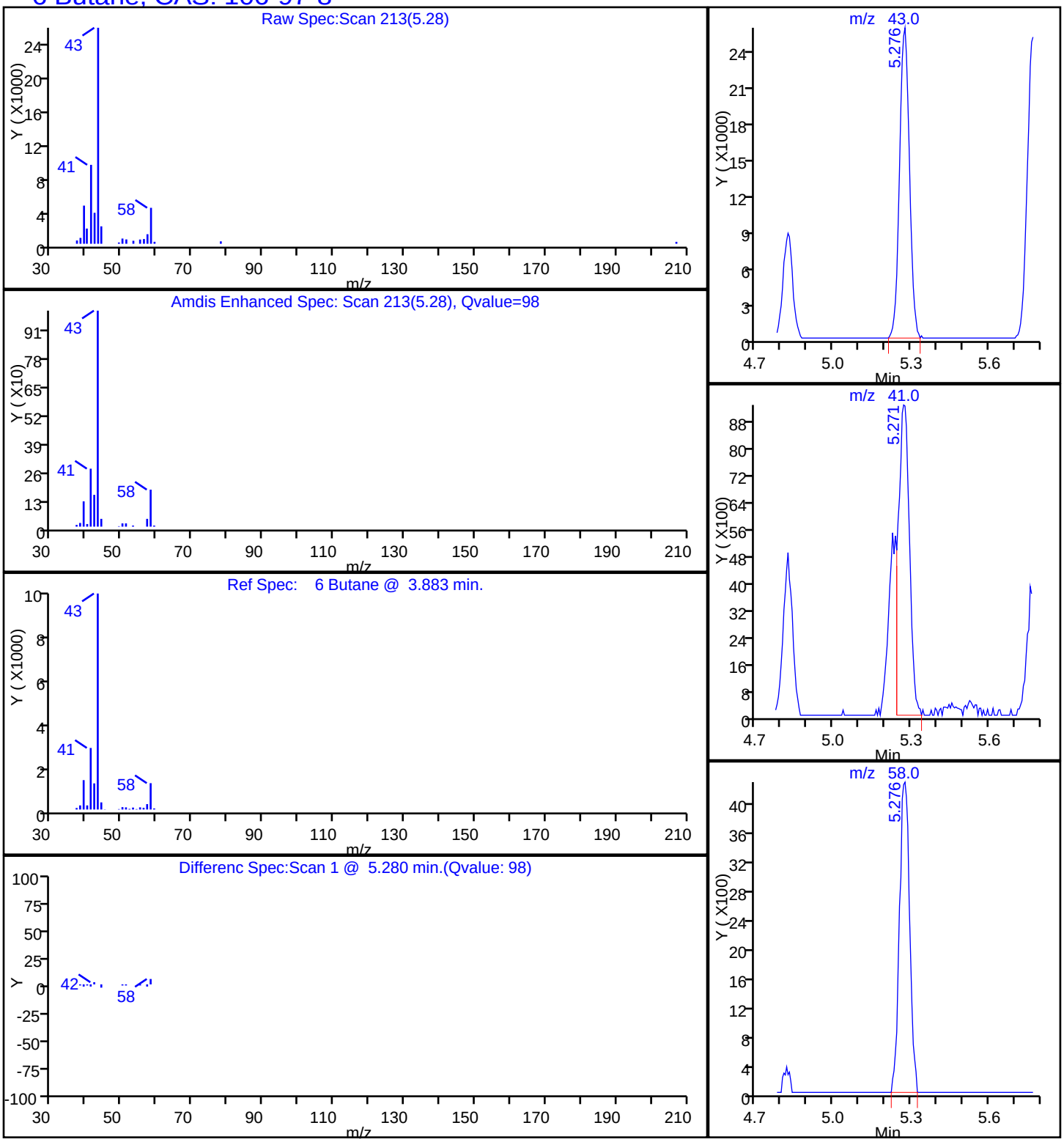






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

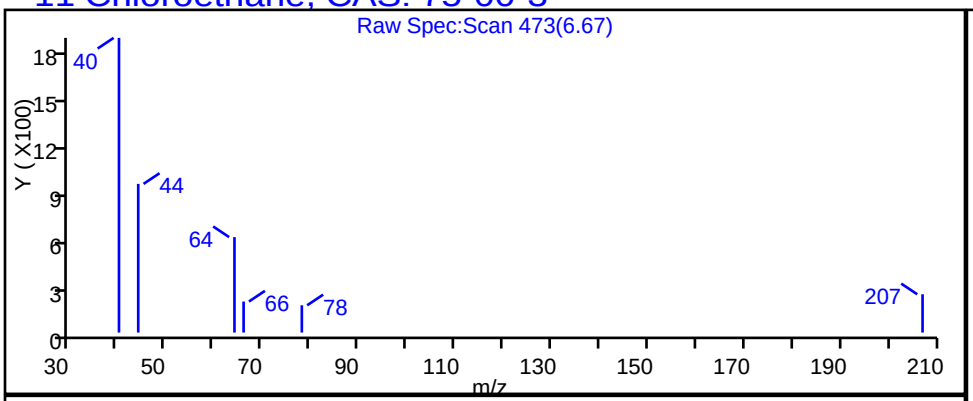
6 Butane, CAS: 106-97-8

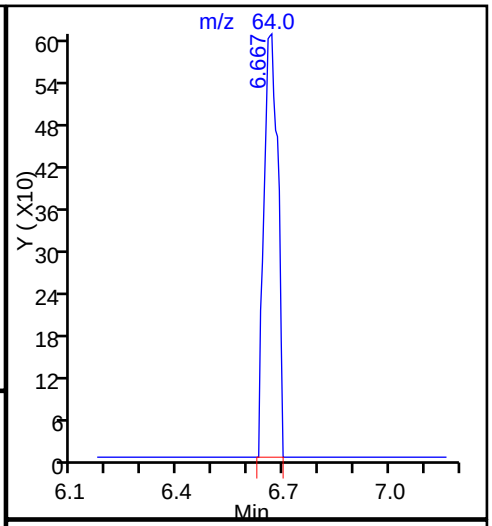


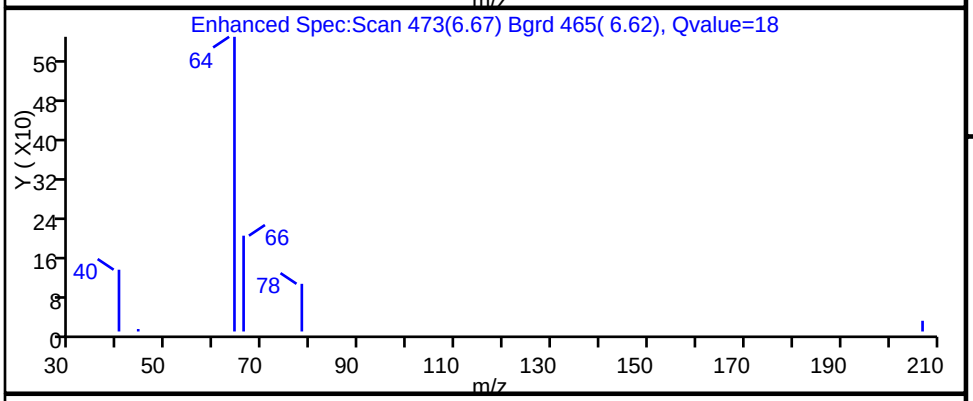
TestAmerica Burlington

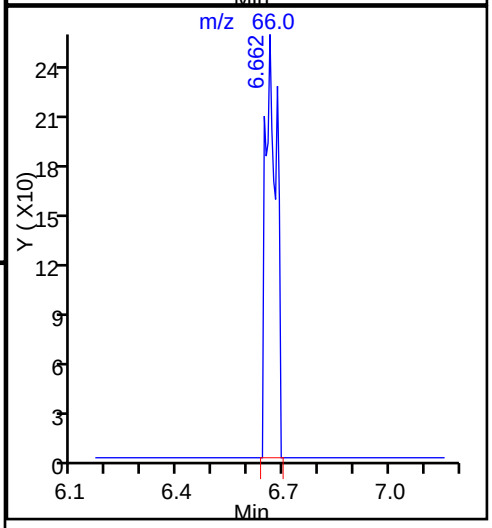
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

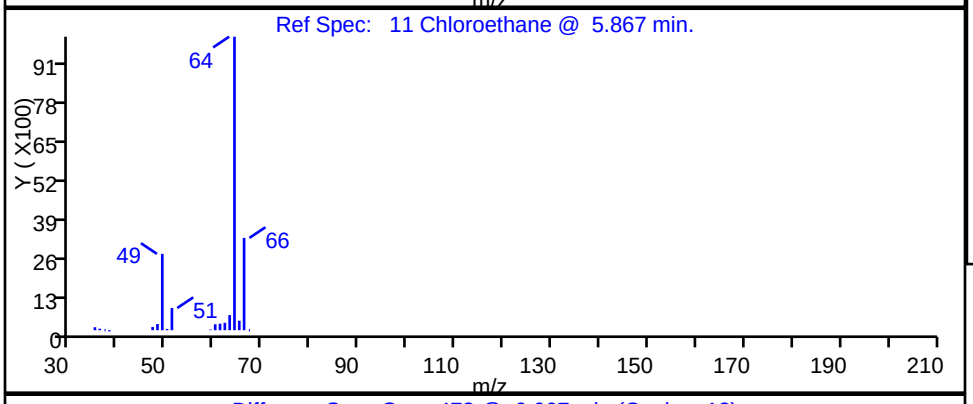
11 Chloroethane, CAS: 75-00-3

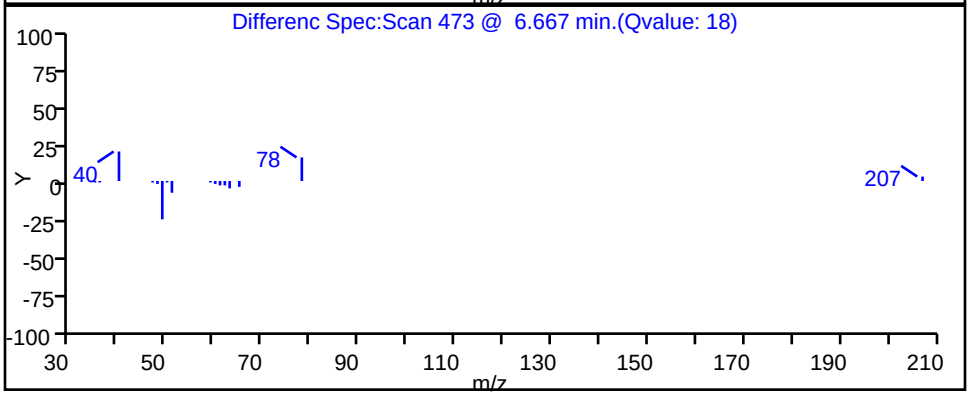








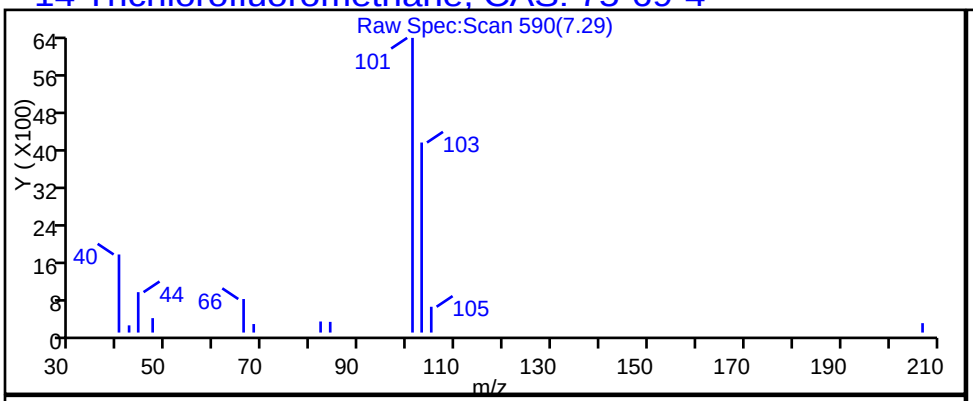


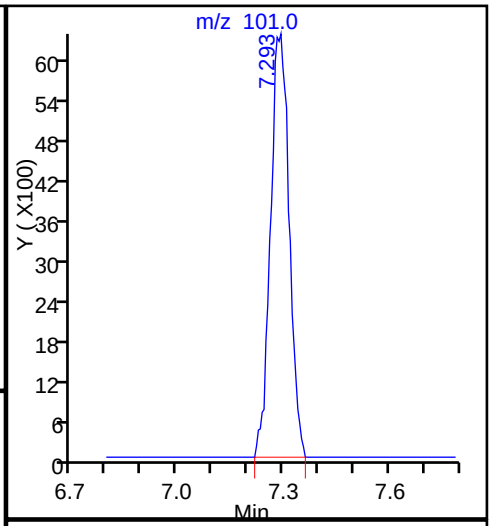


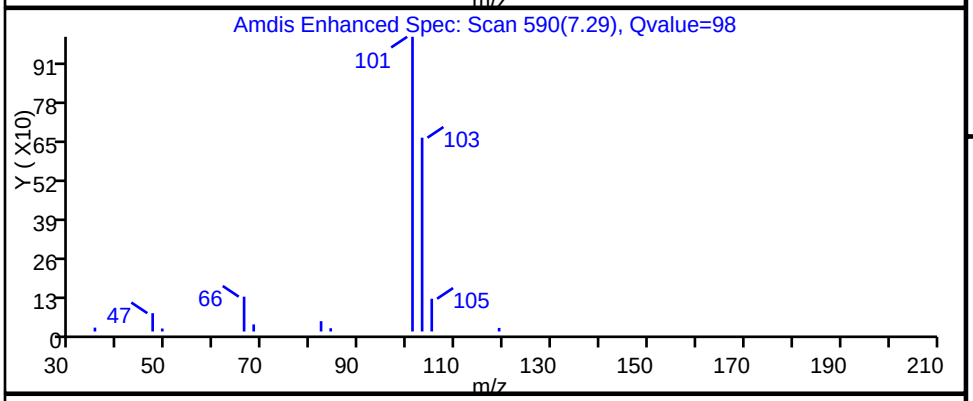
TestAmerica Burlington

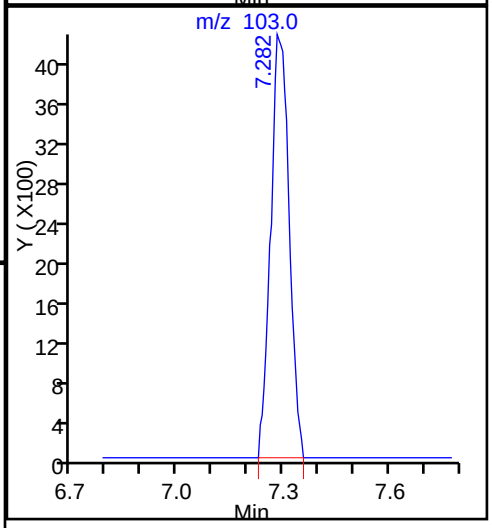
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

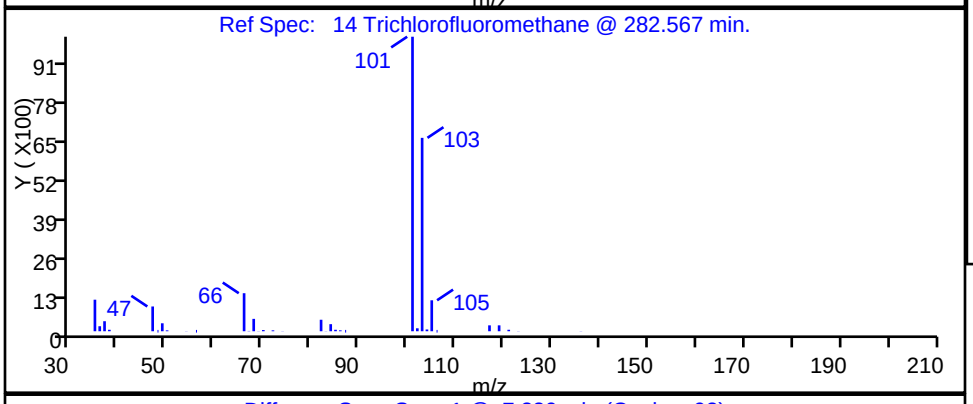
14 Trichlorofluoromethane, CAS: 75-69-4

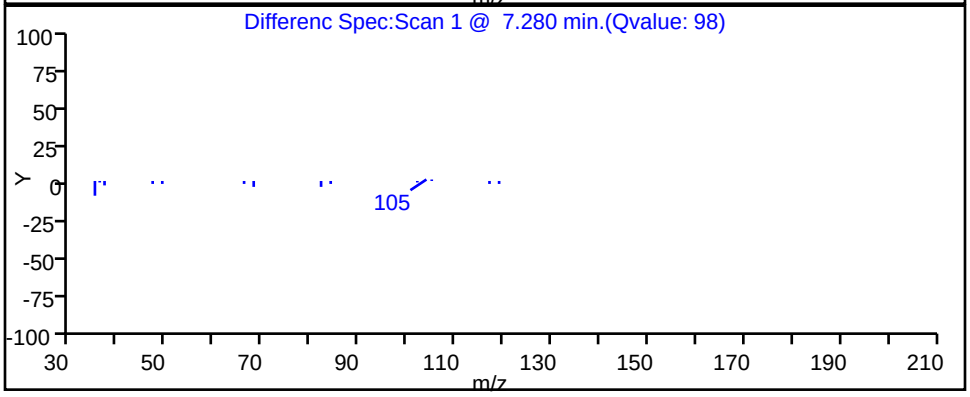








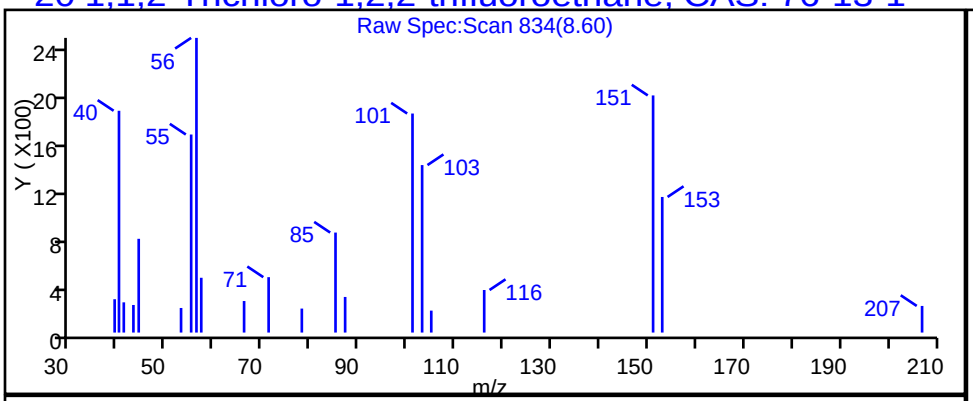


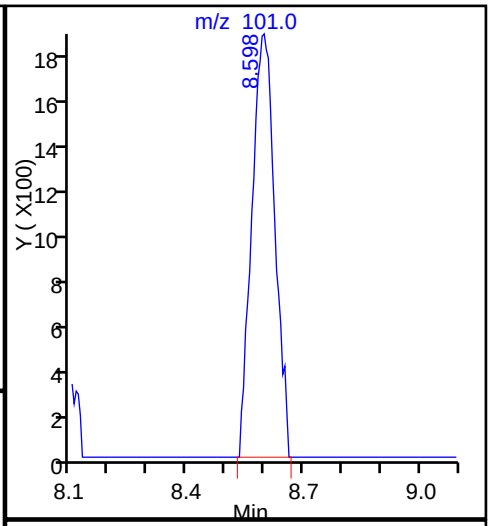


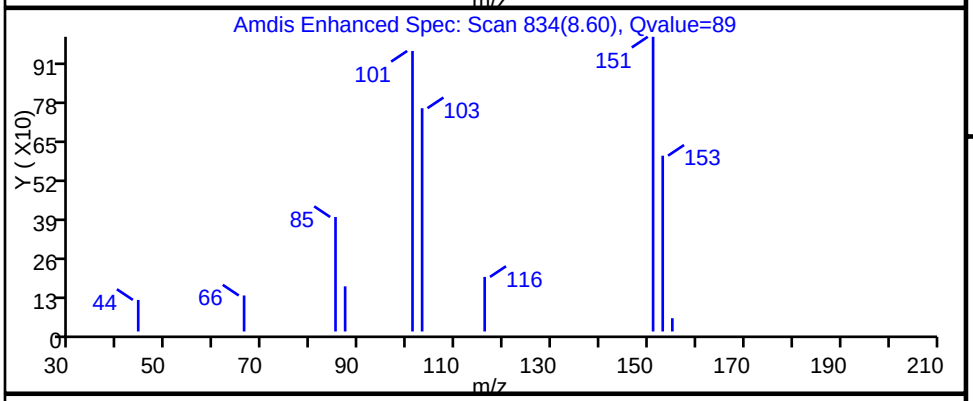
TestAmerica Burlington

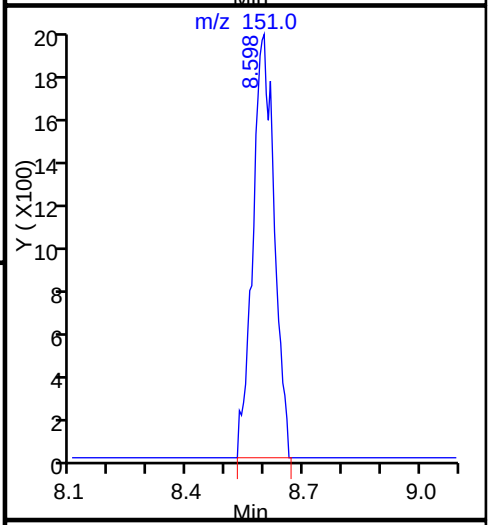
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

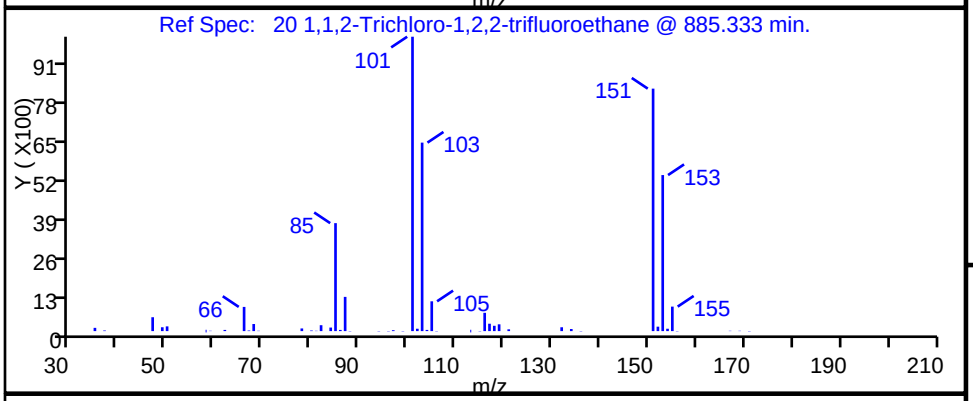
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

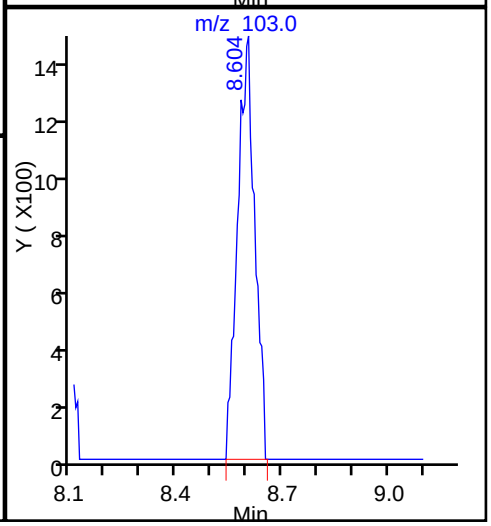


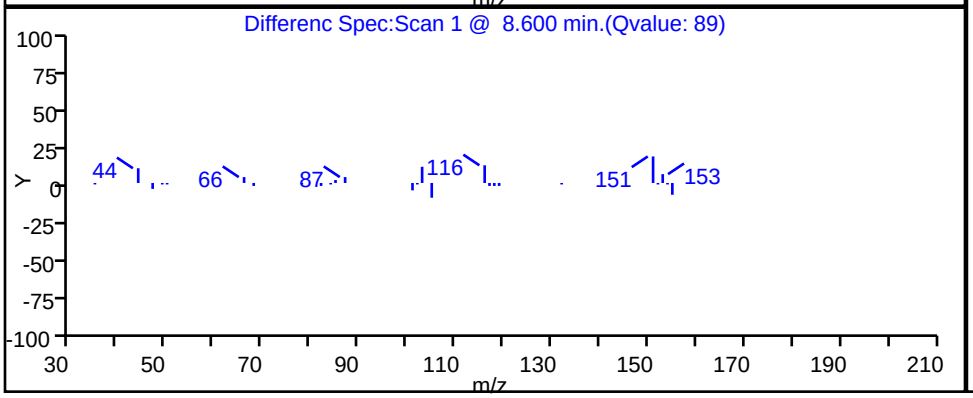








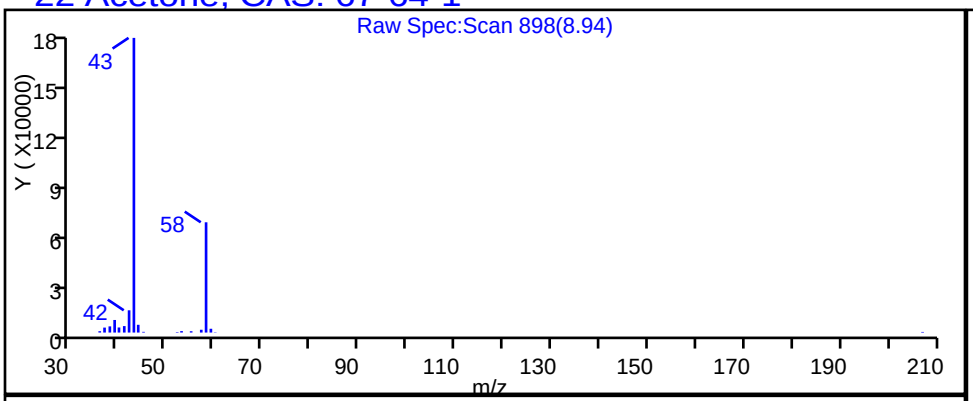


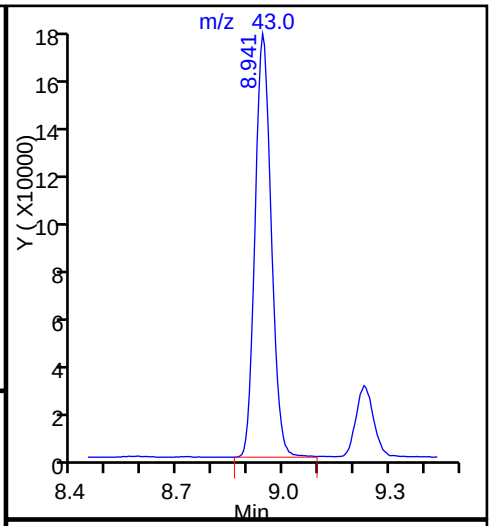


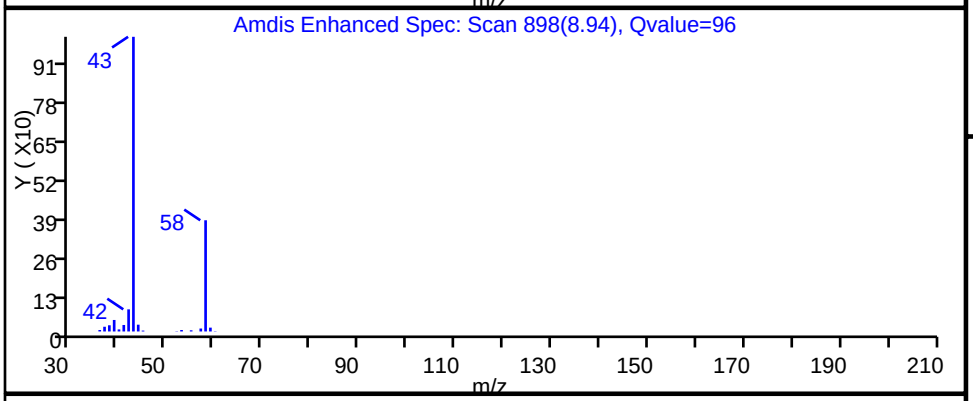
TestAmerica Burlington

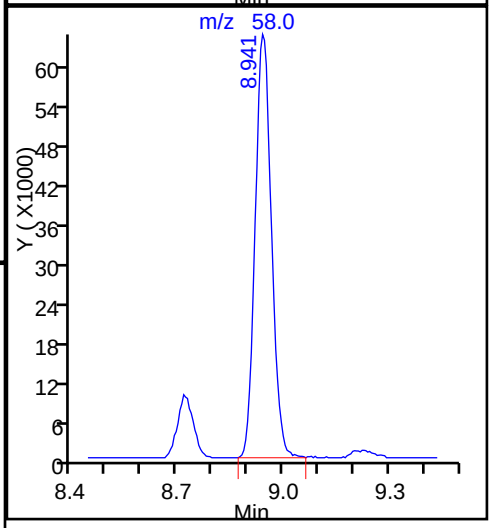
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

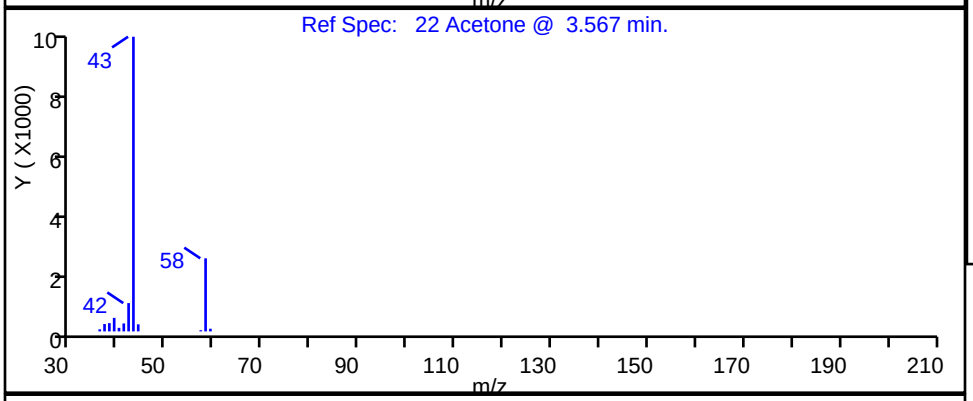
22 Acetone, CAS: 67-64-1

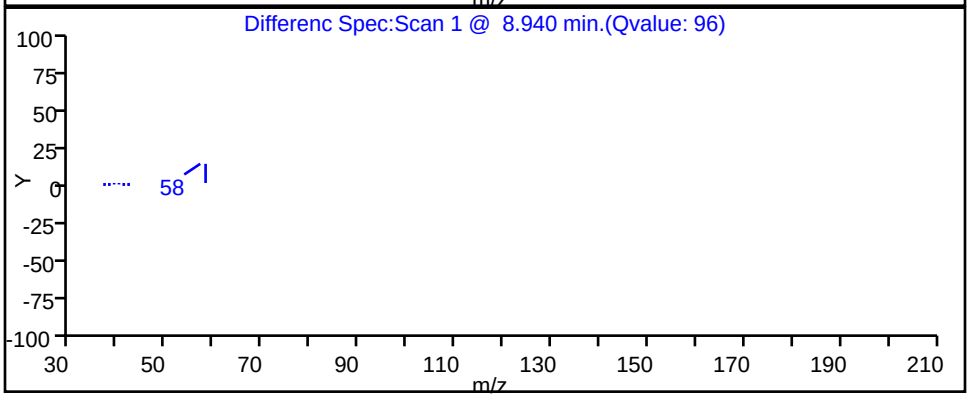








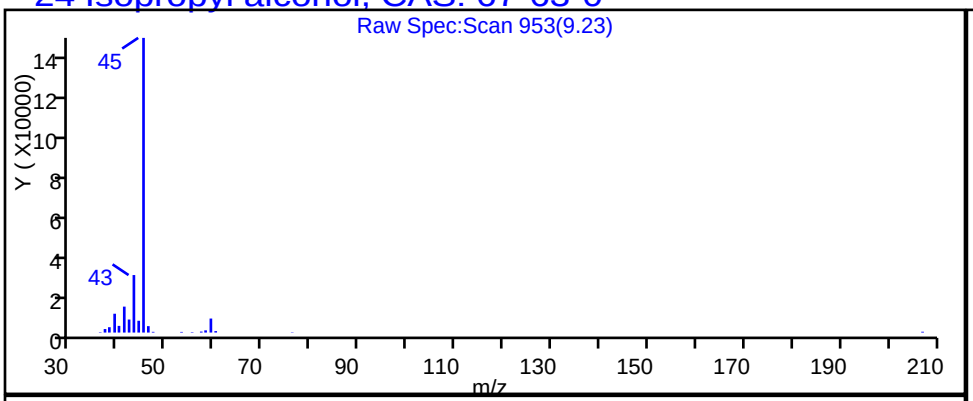


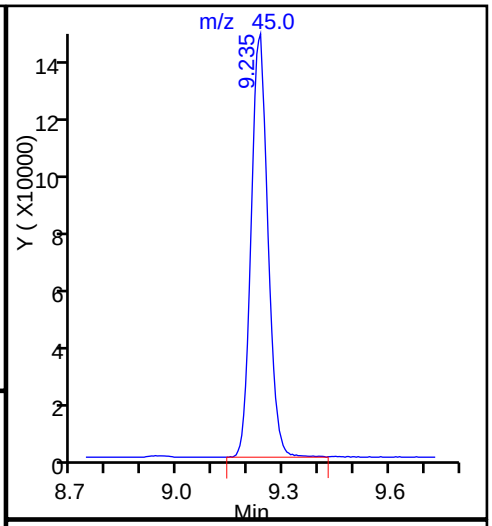


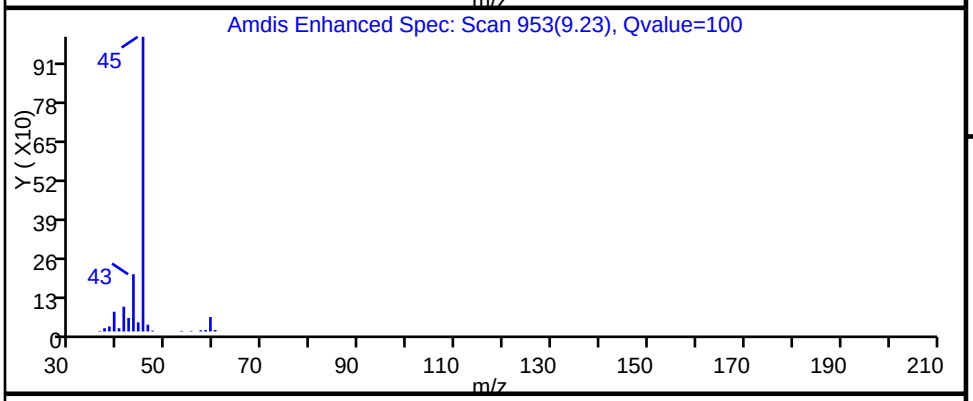
TestAmerica Burlington

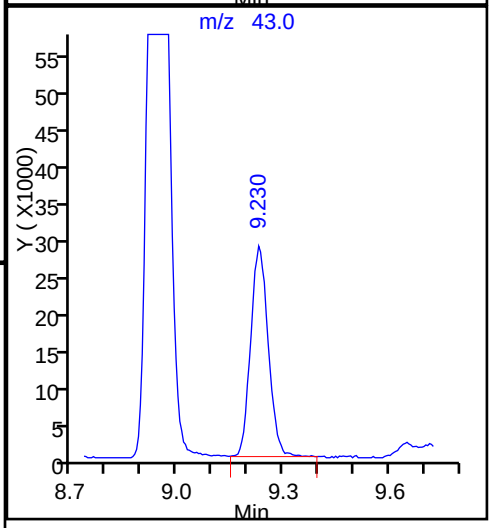
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

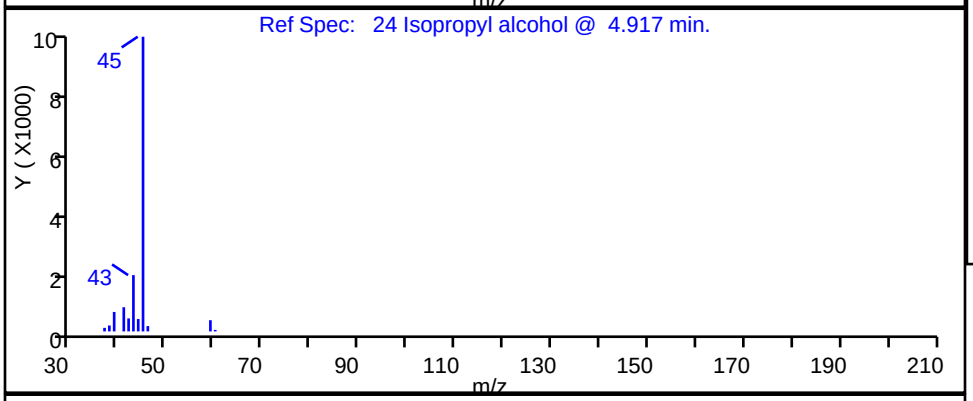
24 Isopropyl alcohol, CAS: 67-63-0

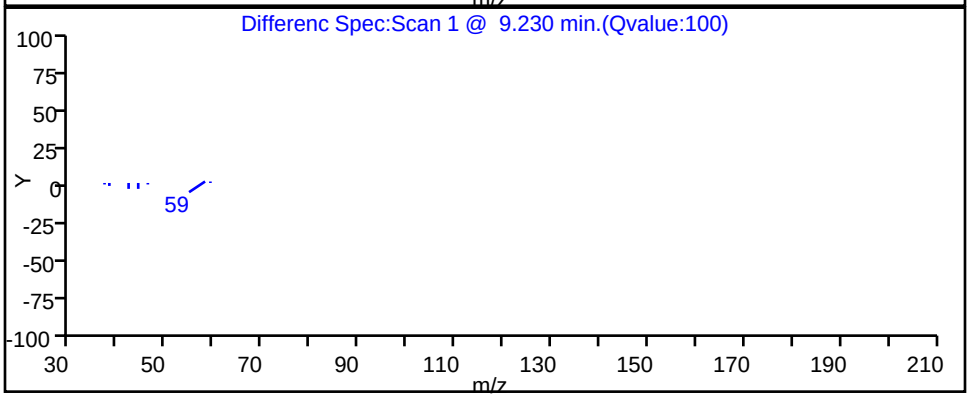








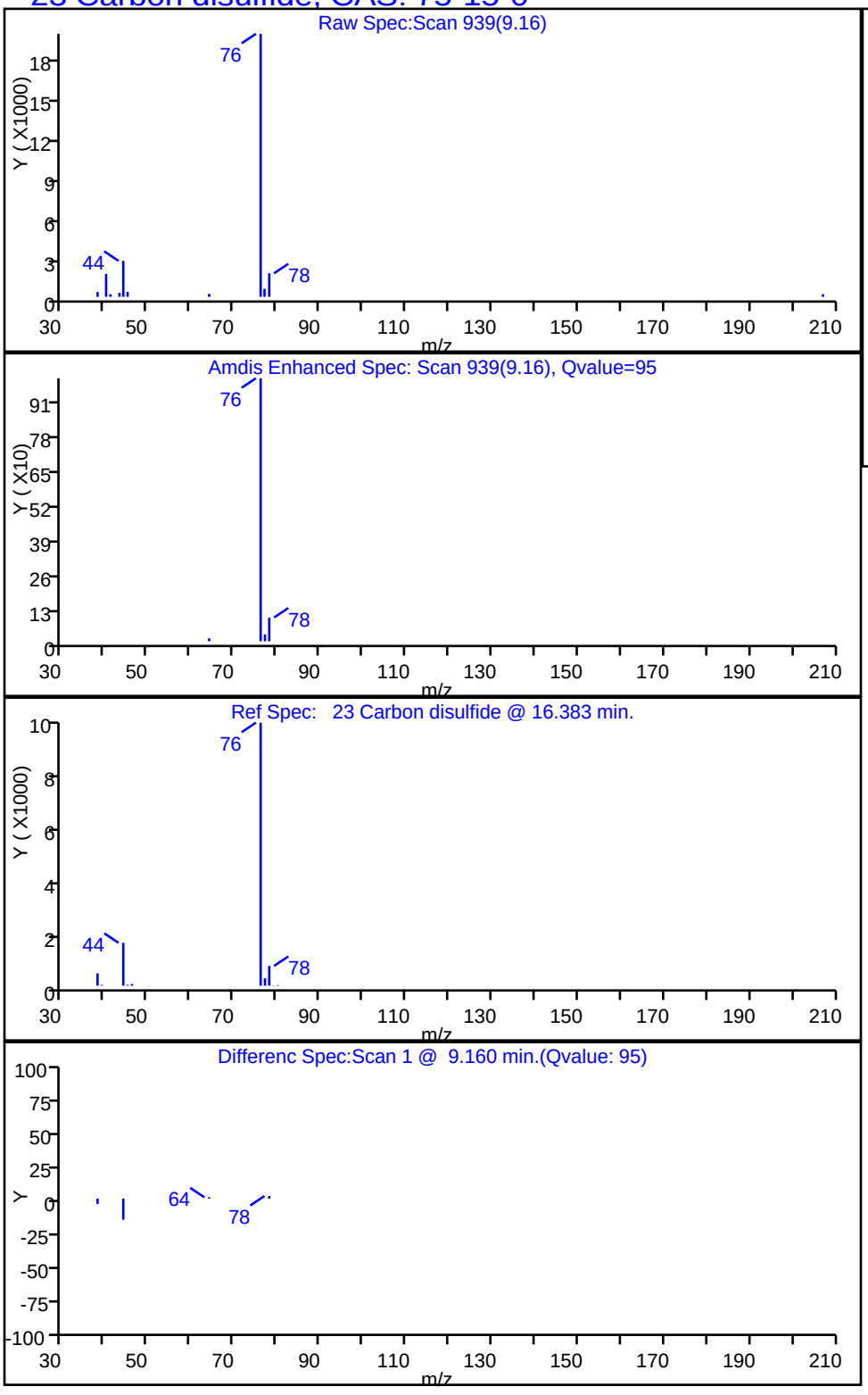


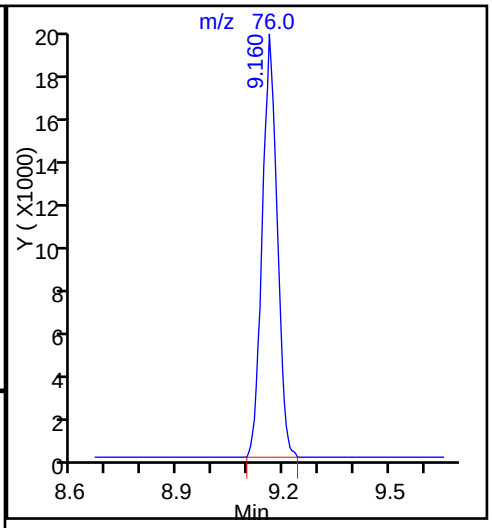


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

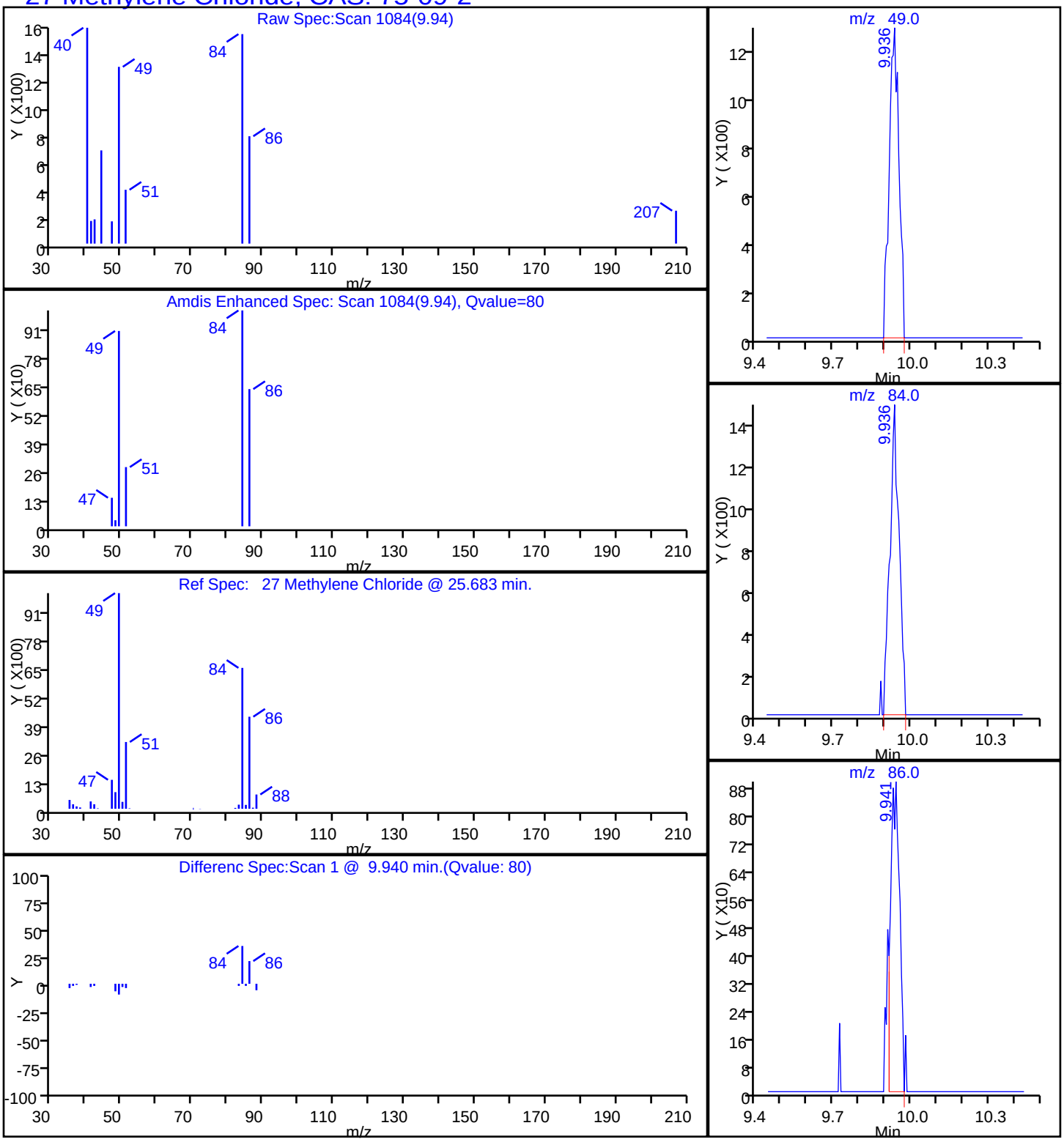
23 Carbon disulfide, CAS: 75-15-0





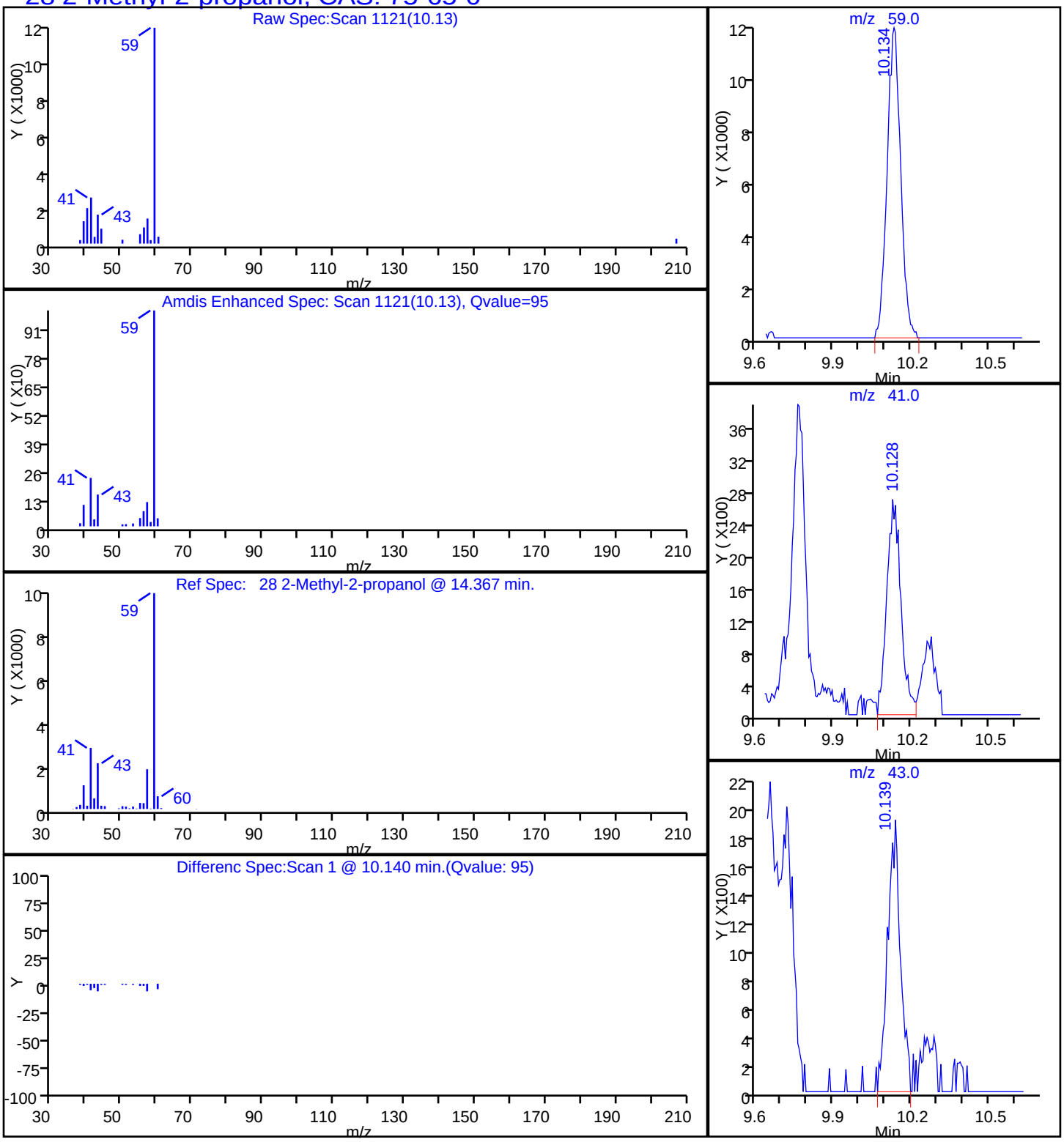
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

27 Methylene Chloride, CAS: 75-09-2



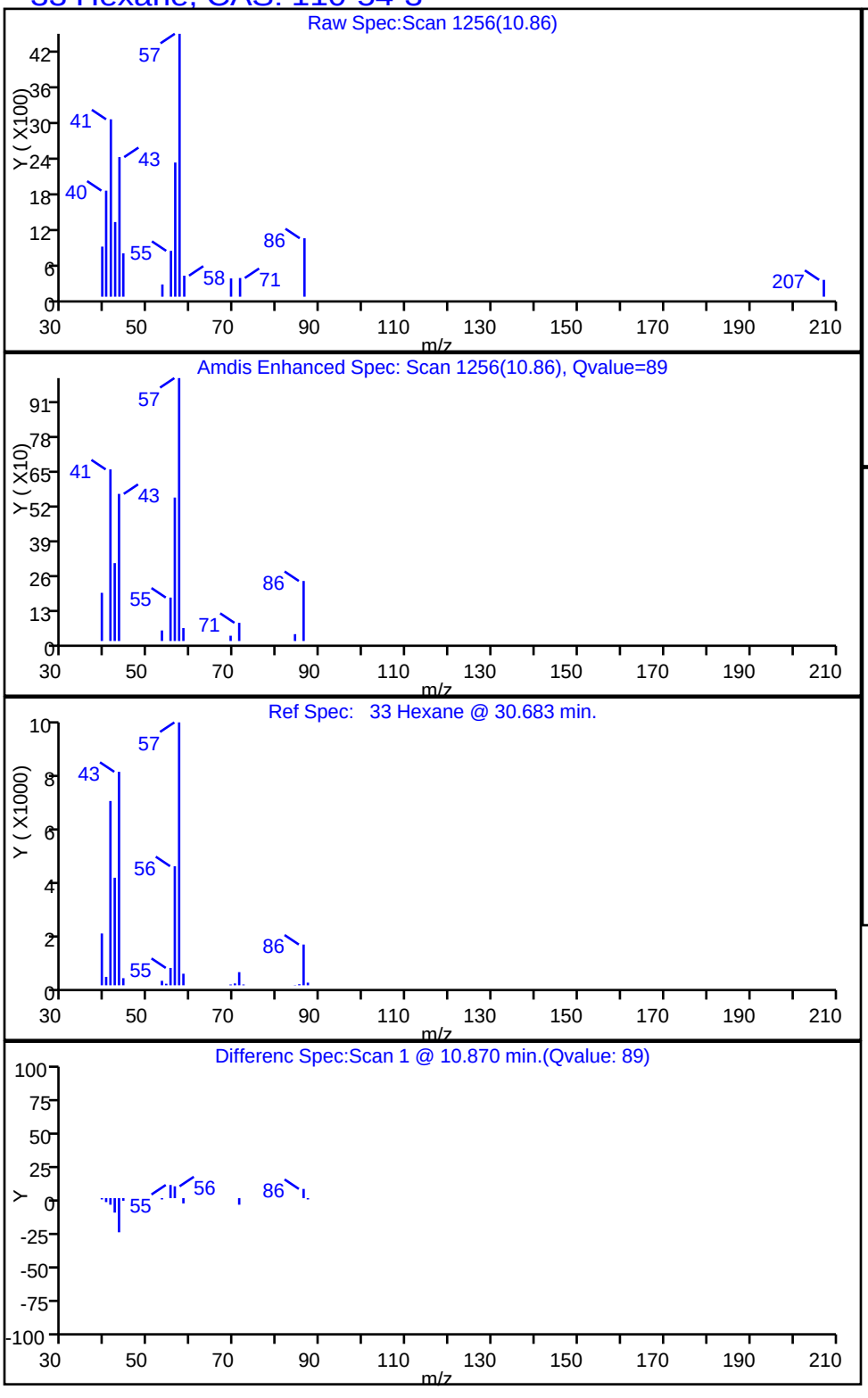
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

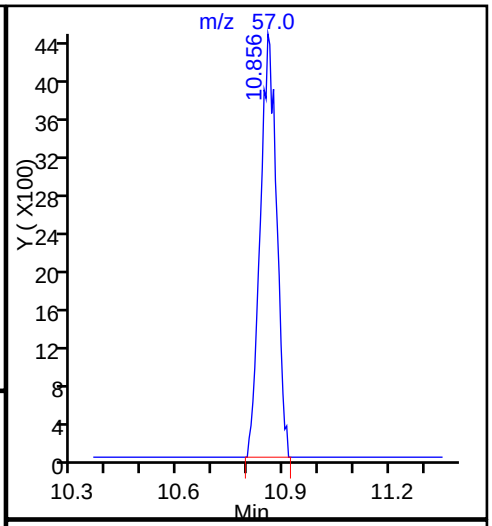
28 2-Methyl-2-propanol, CAS: 75-65-0

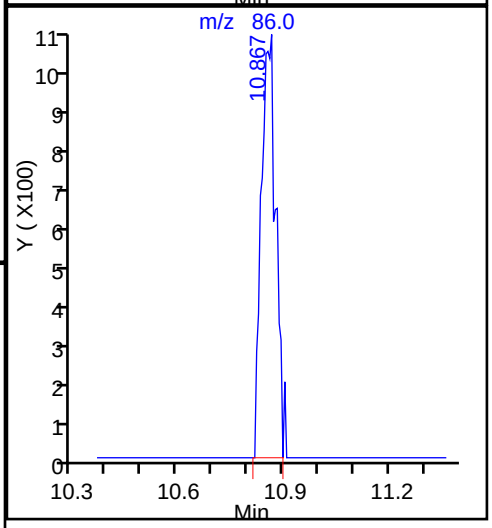


Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

33 Hexane, CAS: 110-54-3



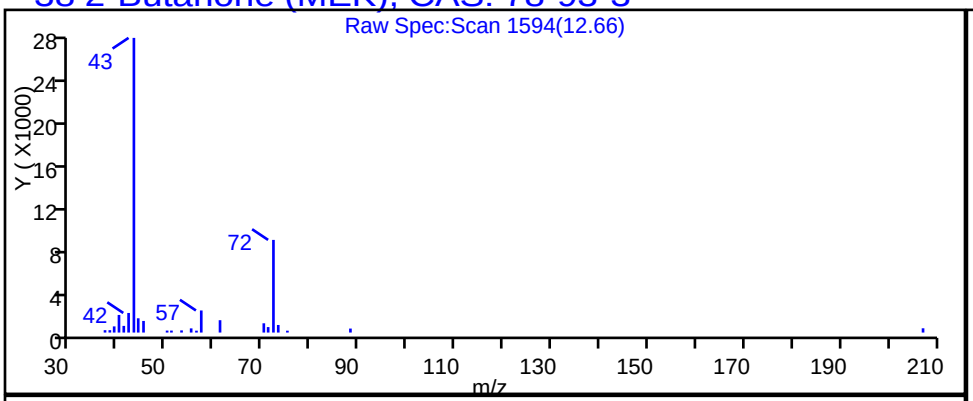


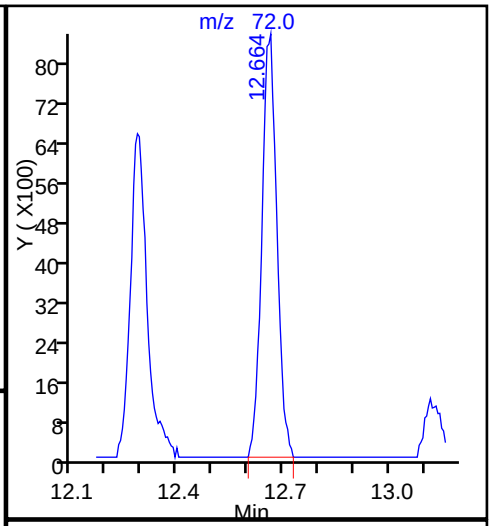


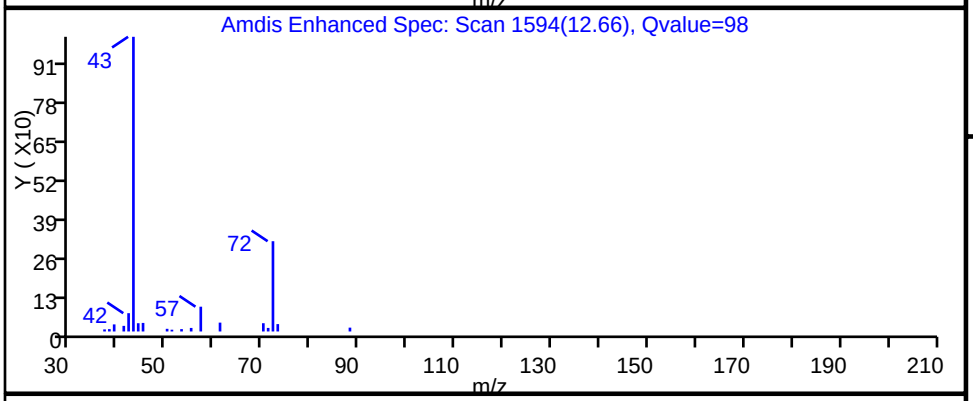
TestAmerica Burlington

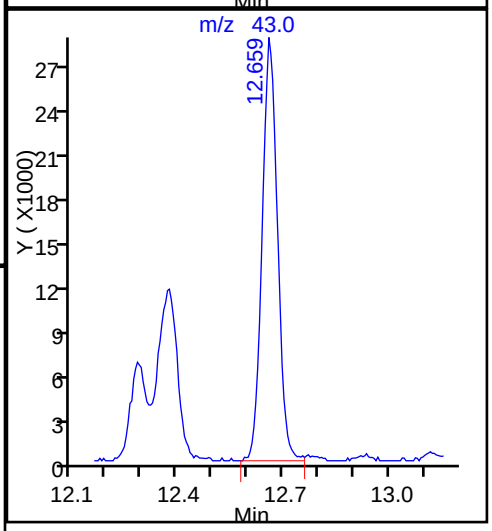
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

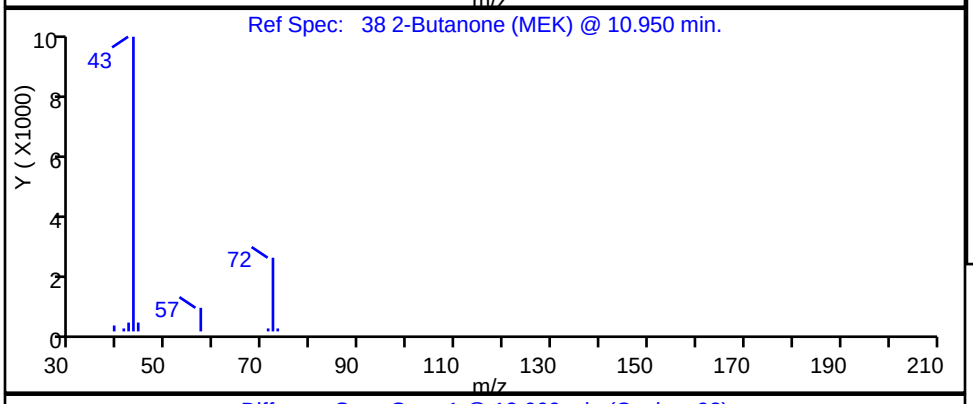
38 2-Butanone (MEK), CAS: 78-93-3

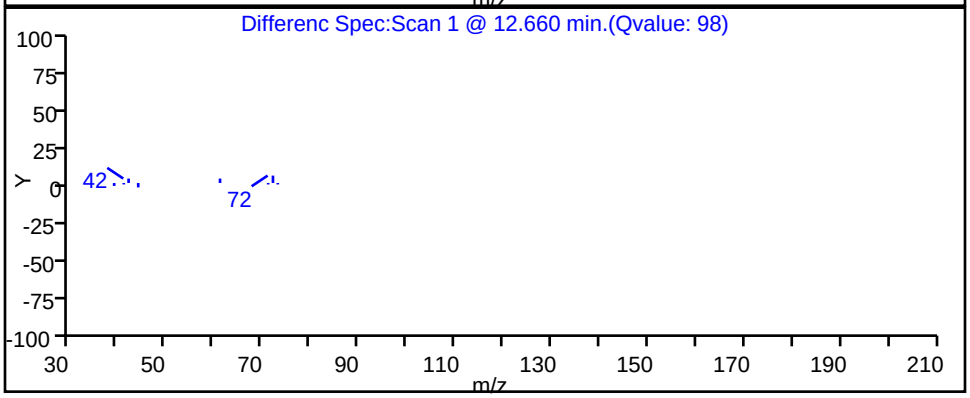






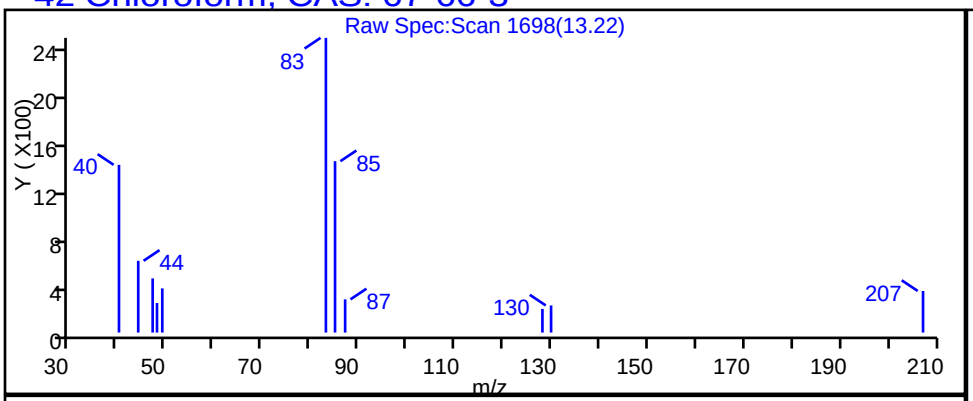


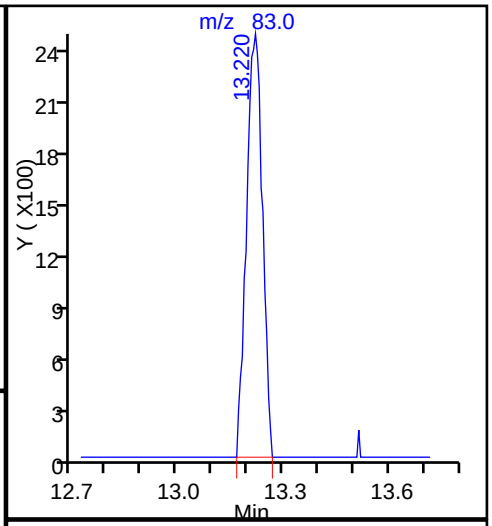


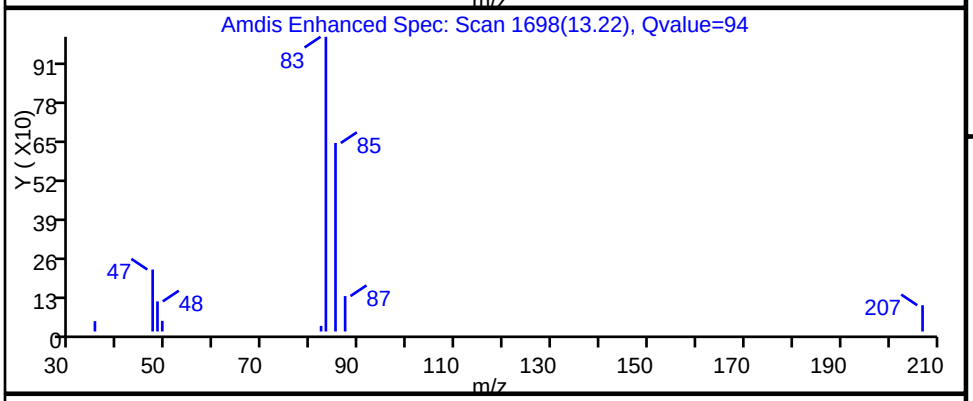


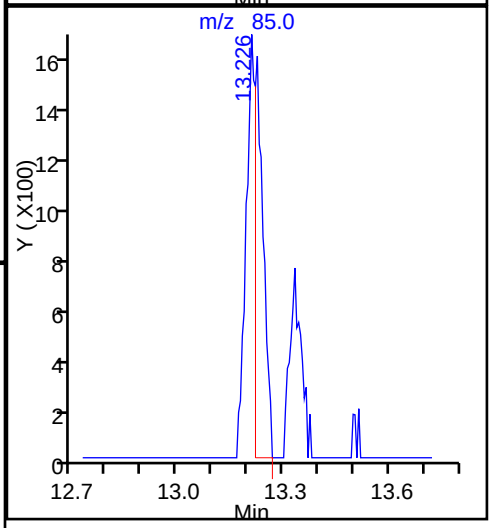
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

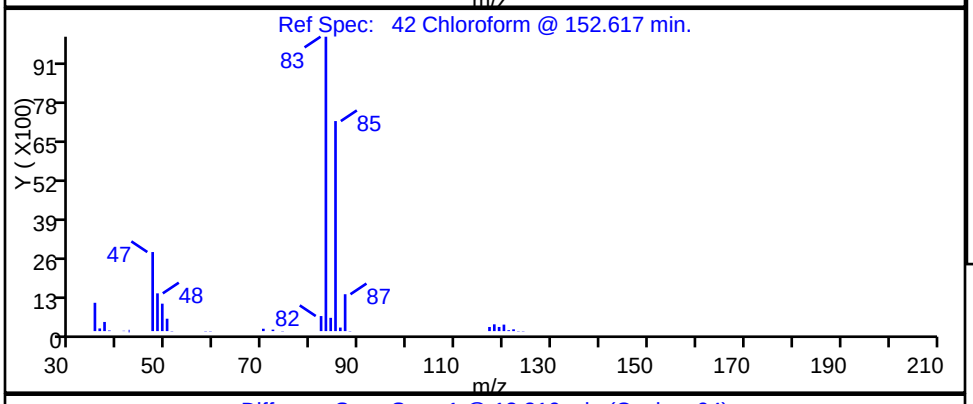
42 Chloroform, CAS: 67-66-3

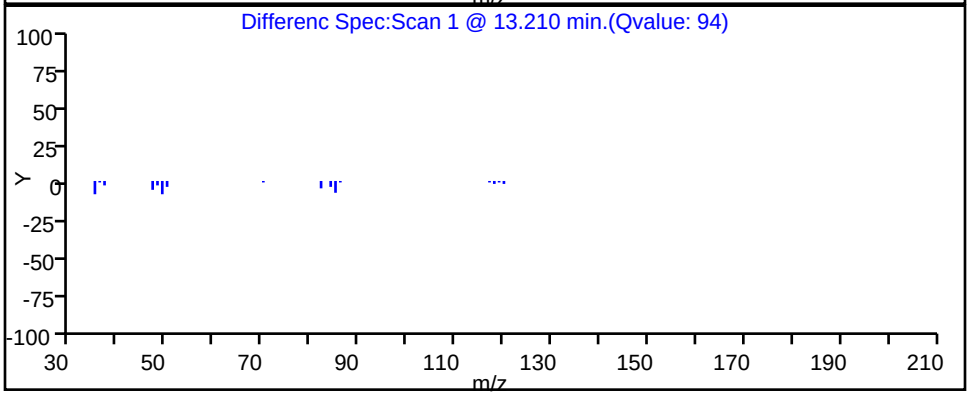






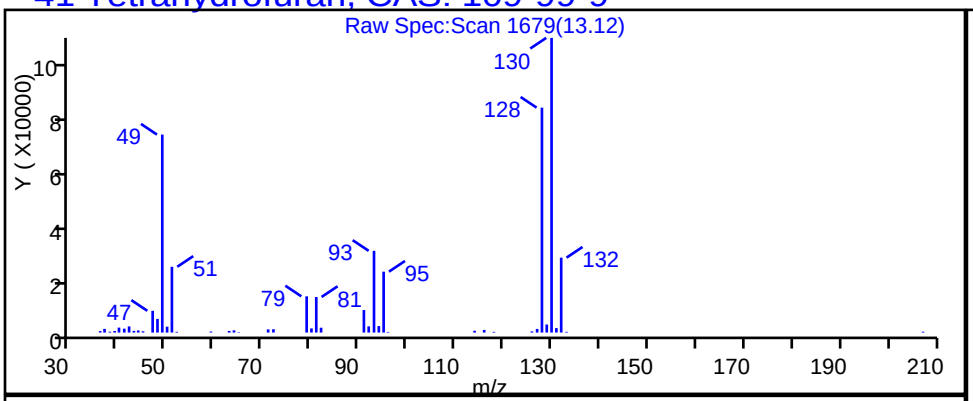


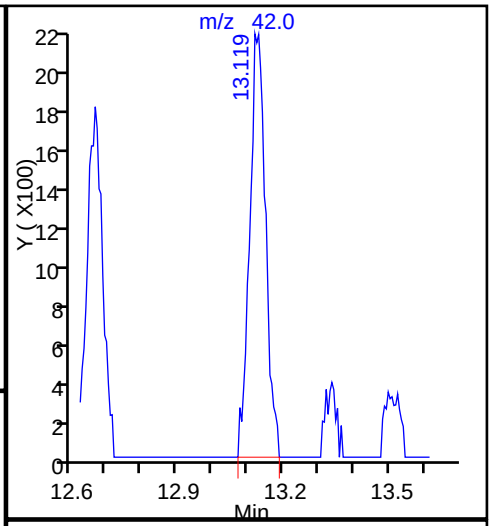


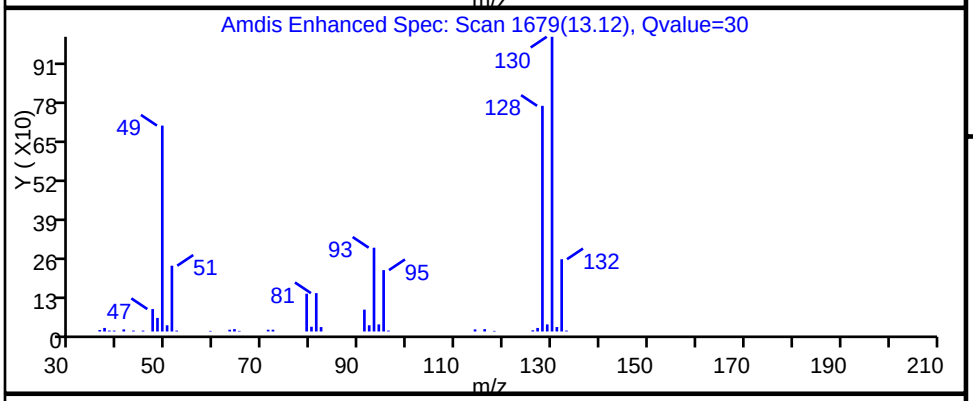


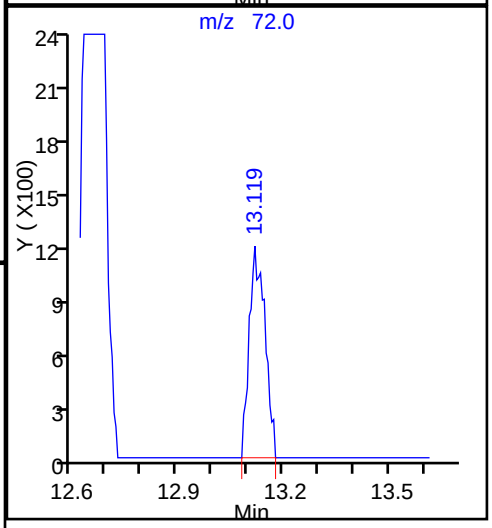
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

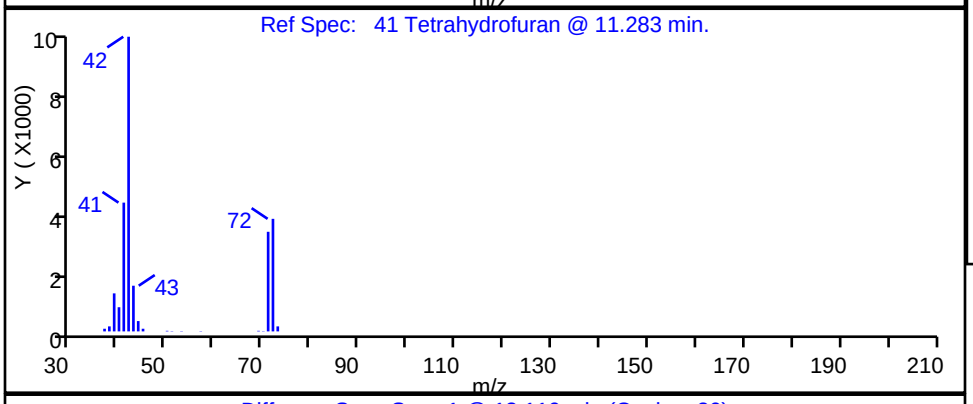
41 Tetrahydrofuran, CAS: 109-99-9

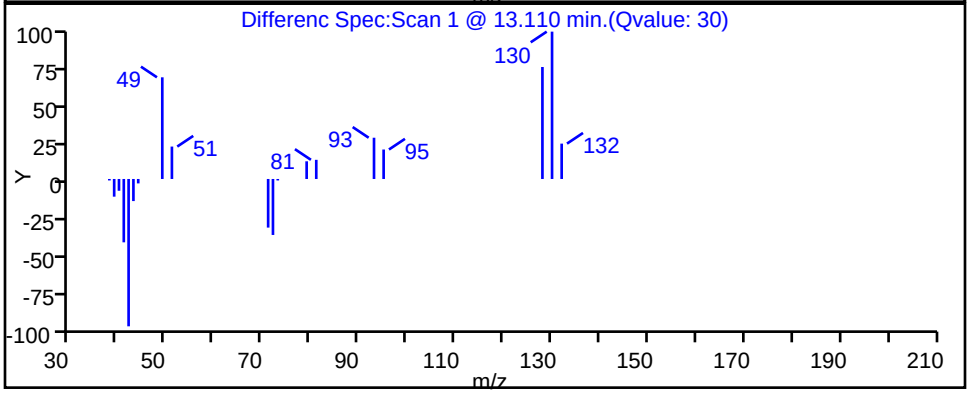








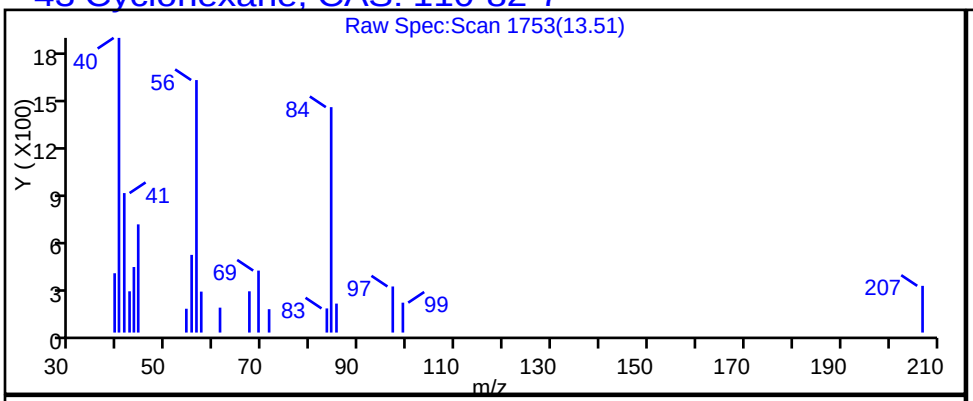


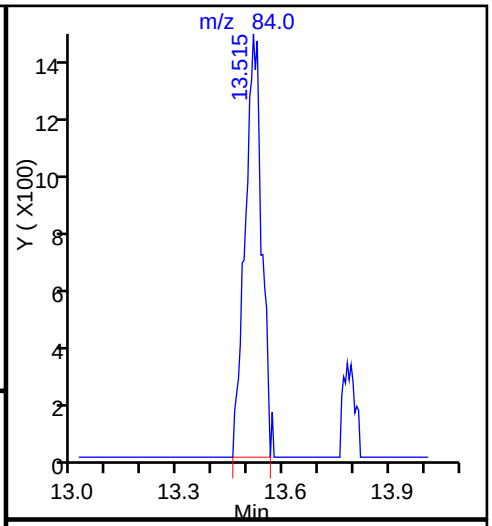


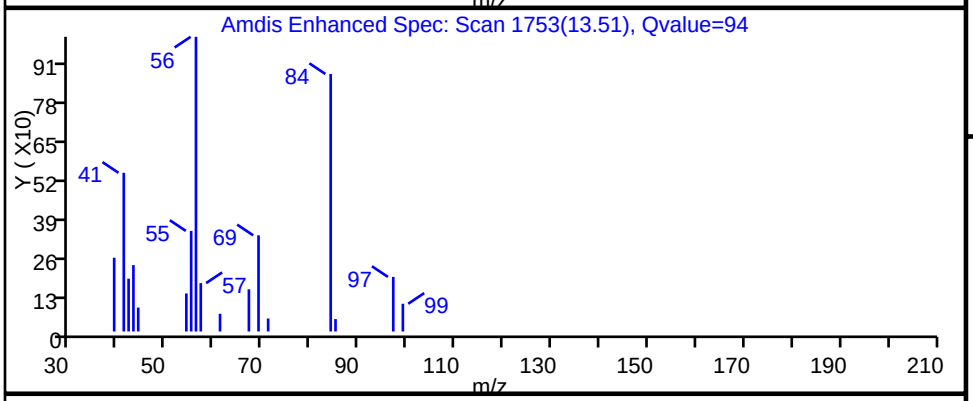
TestAmerica Burlington

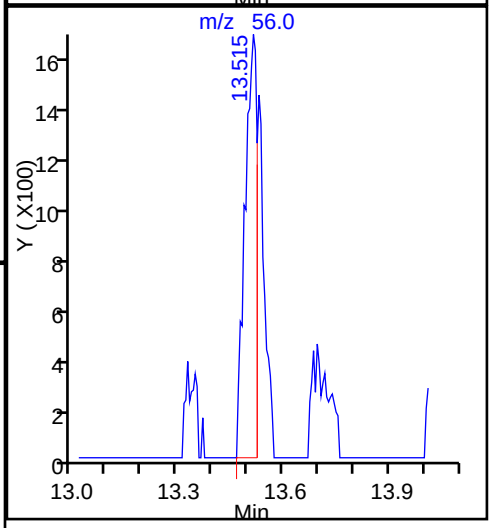
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

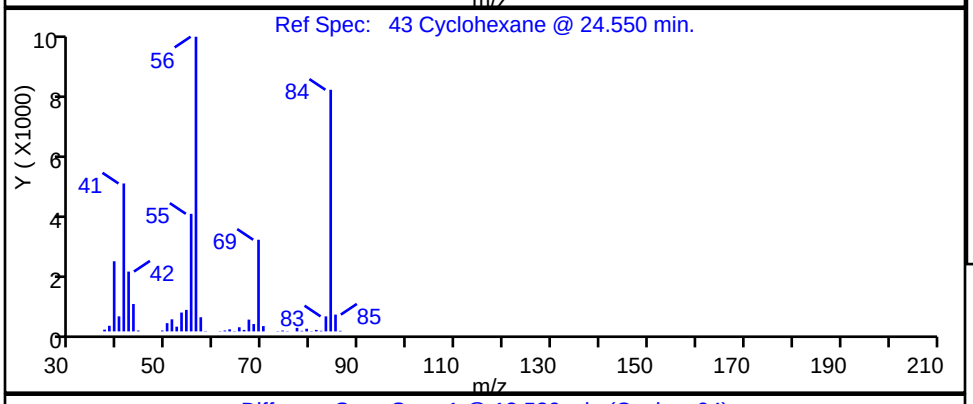
43 Cyclohexane, CAS: 110-82-7

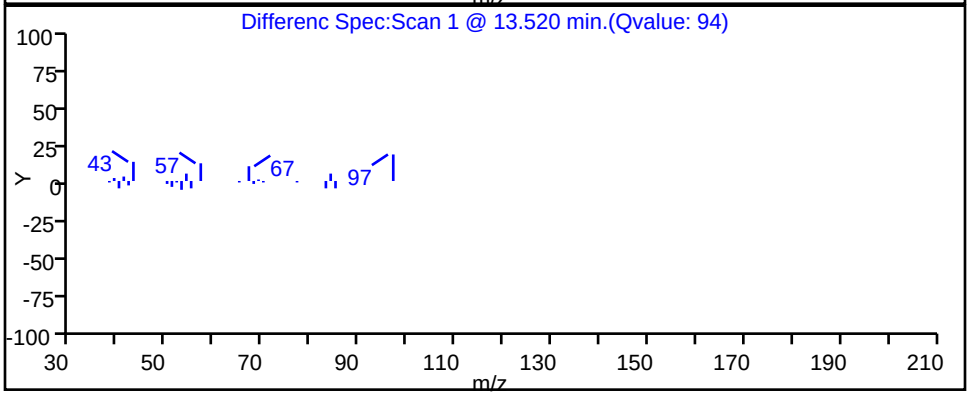








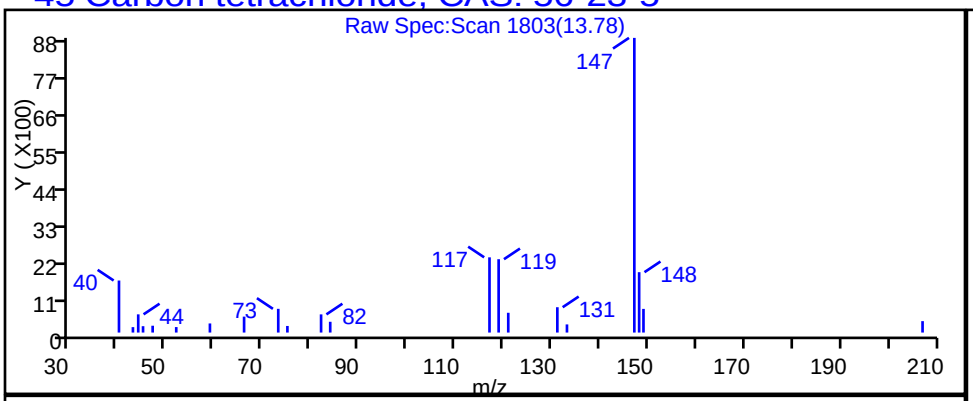


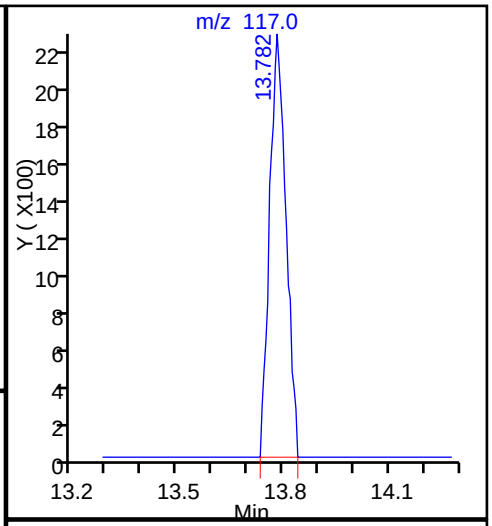


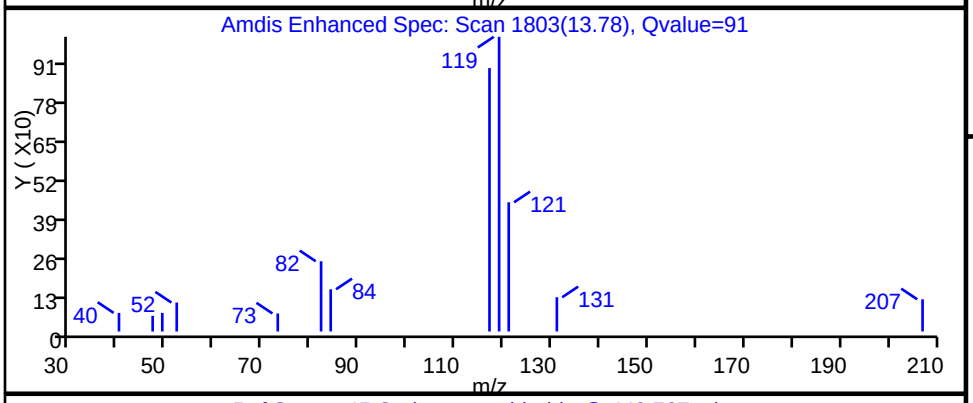
TestAmerica Burlington

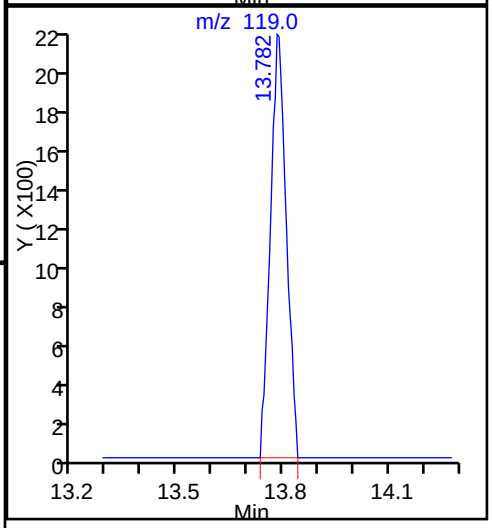
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

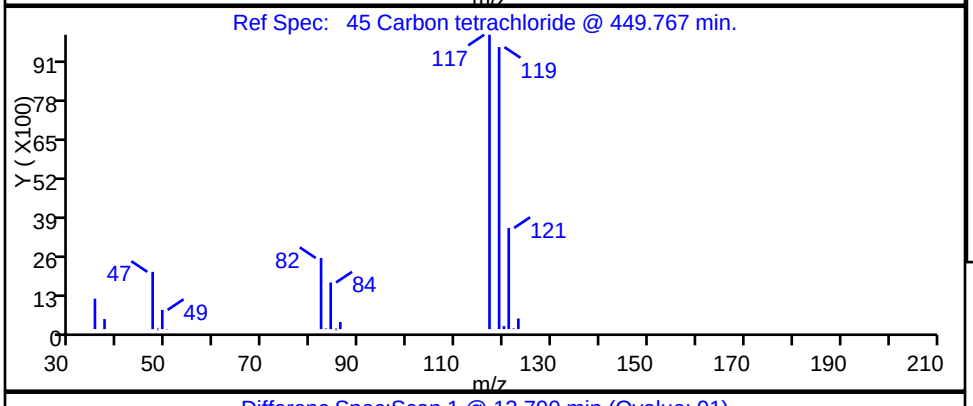
45 Carbon tetrachloride, CAS: 56-23-5

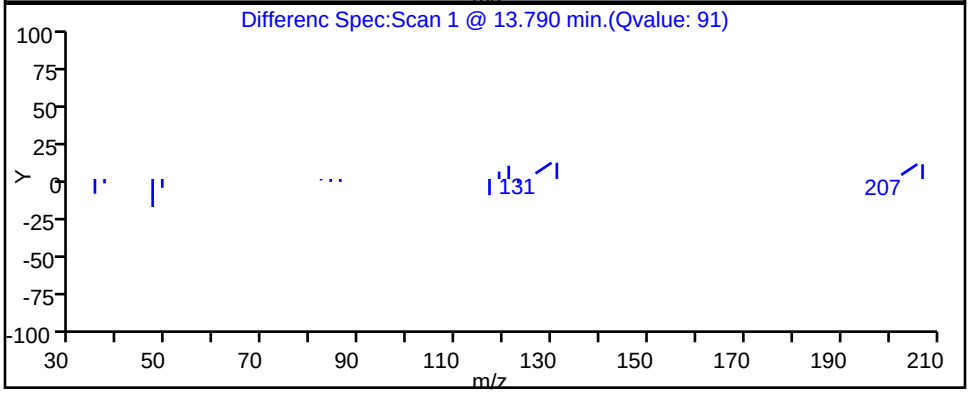








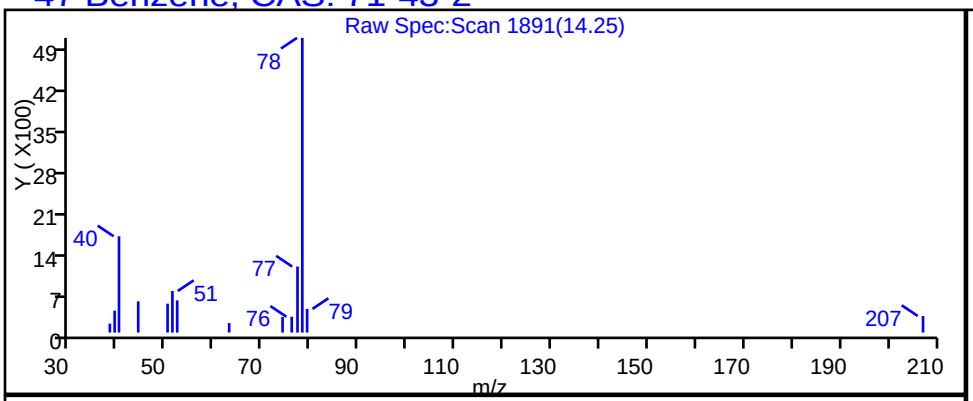


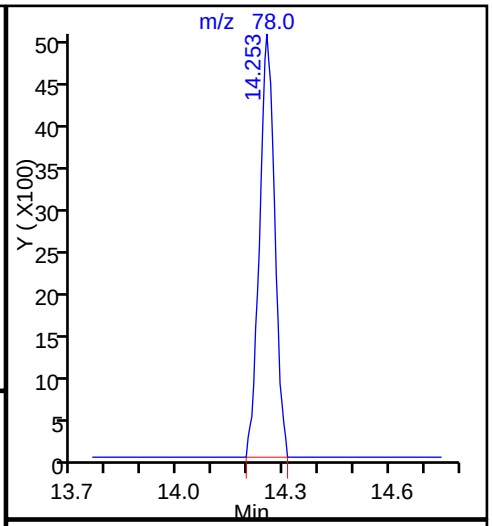


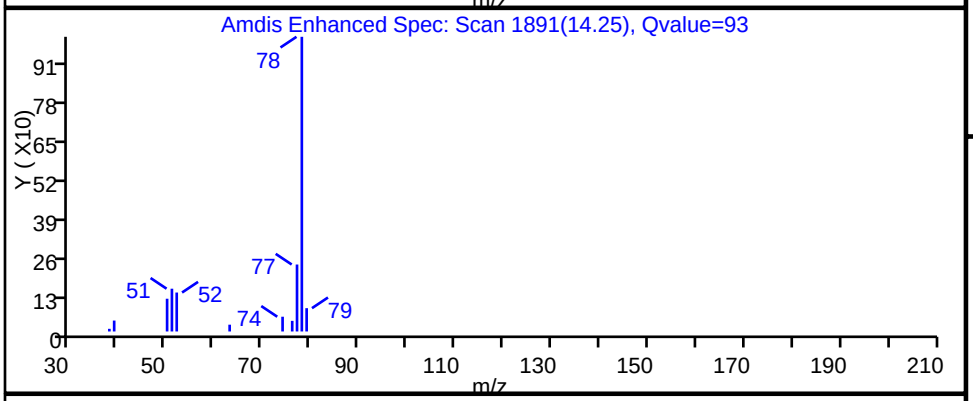
TestAmerica Burlington

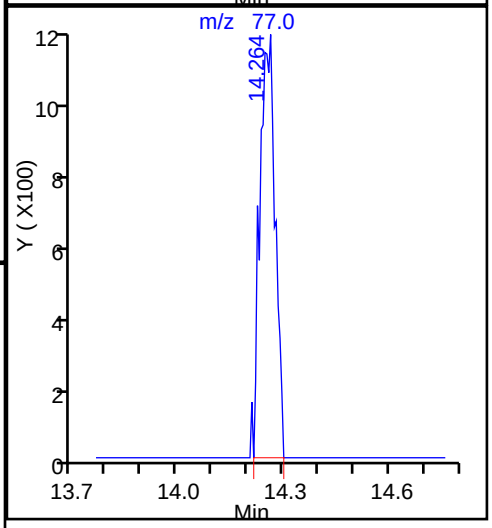
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

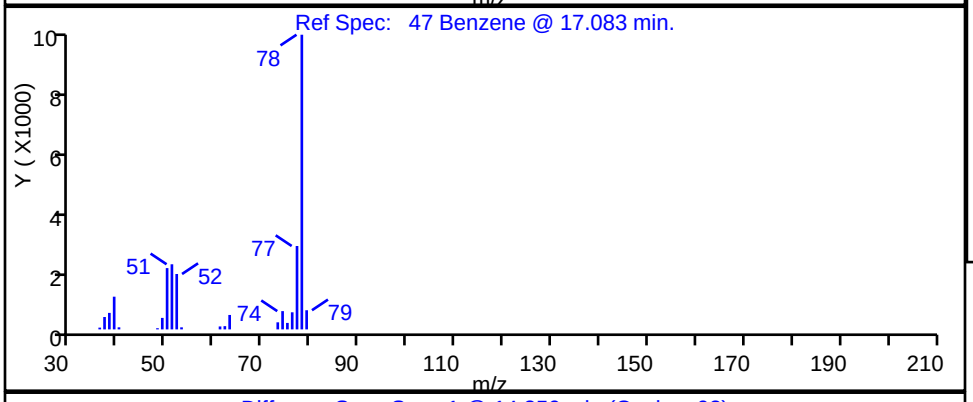
47 Benzene, CAS: 71-43-2

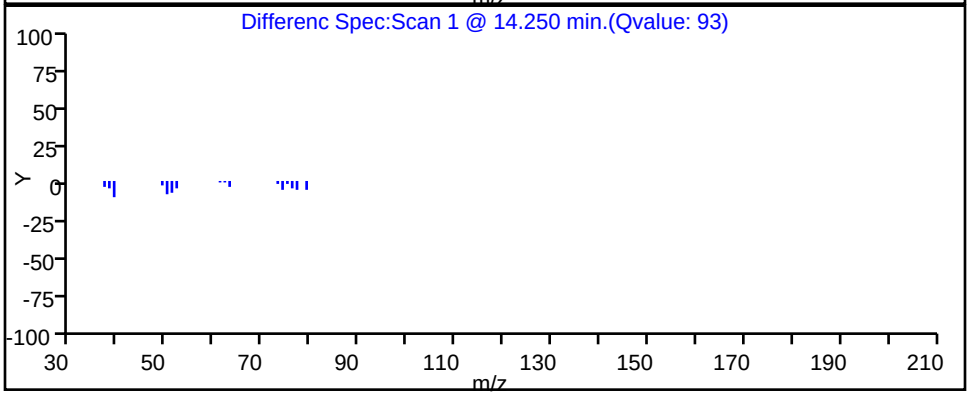








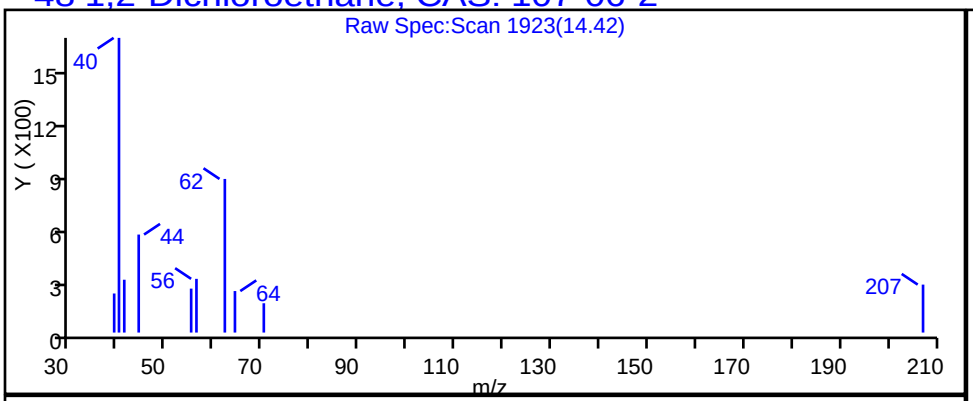


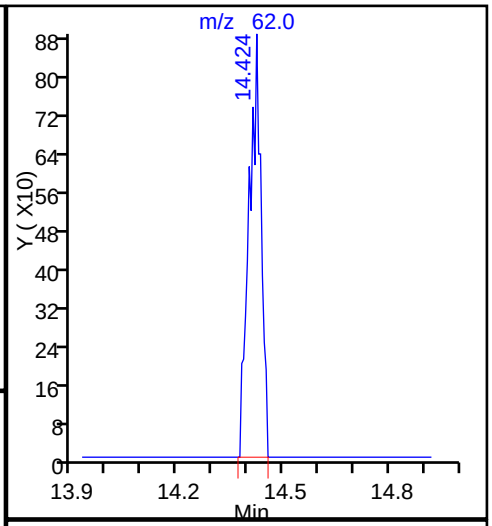


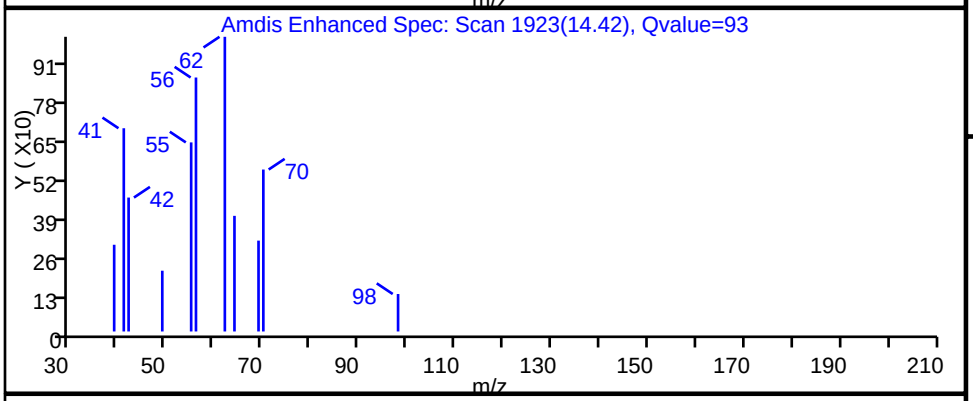
TestAmerica Burlington

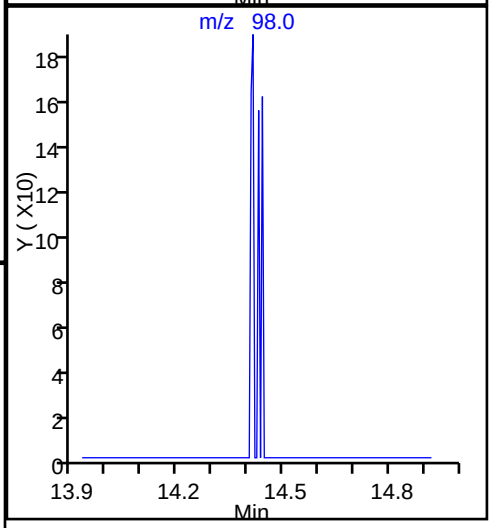
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

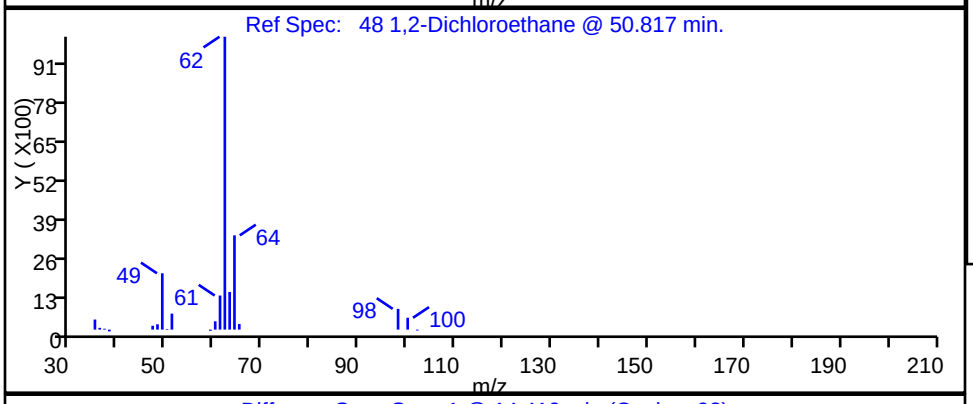
48 1,2-Dichloroethane, CAS: 107-06-2

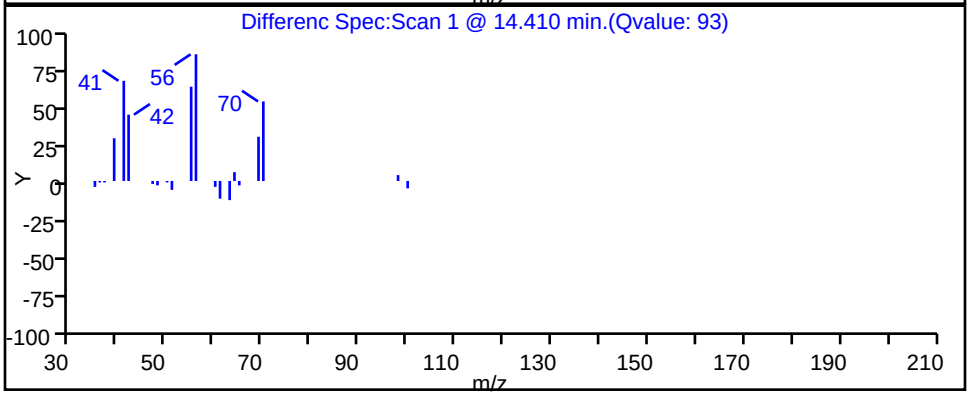








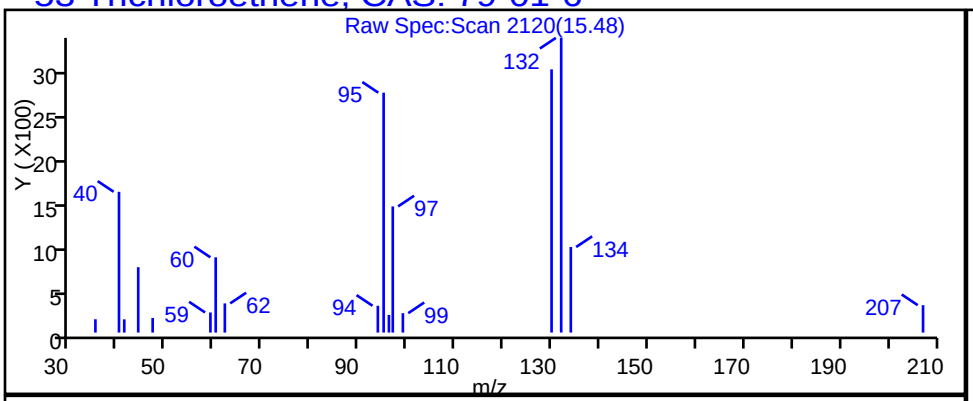


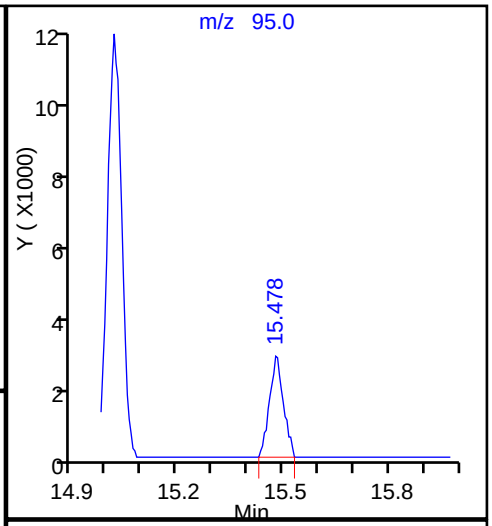


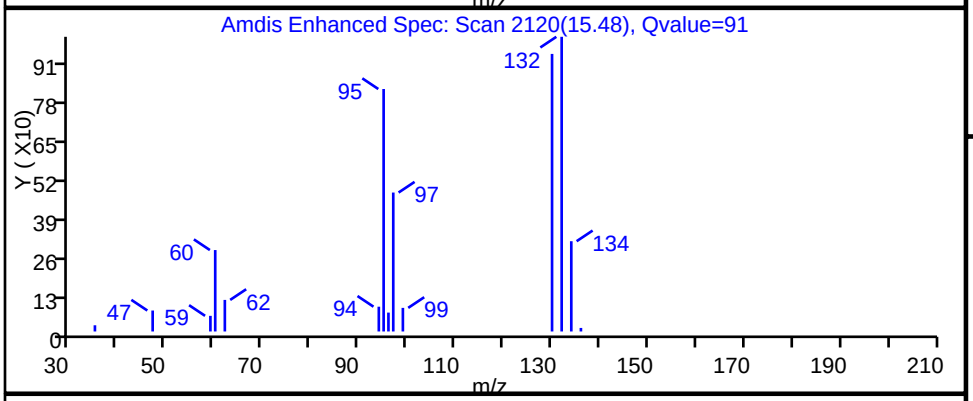
TestAmerica Burlington

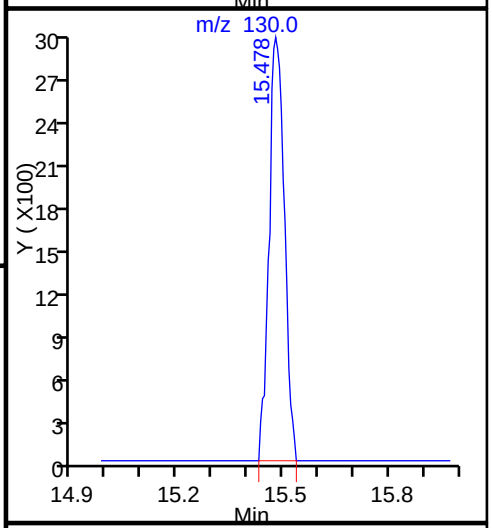
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

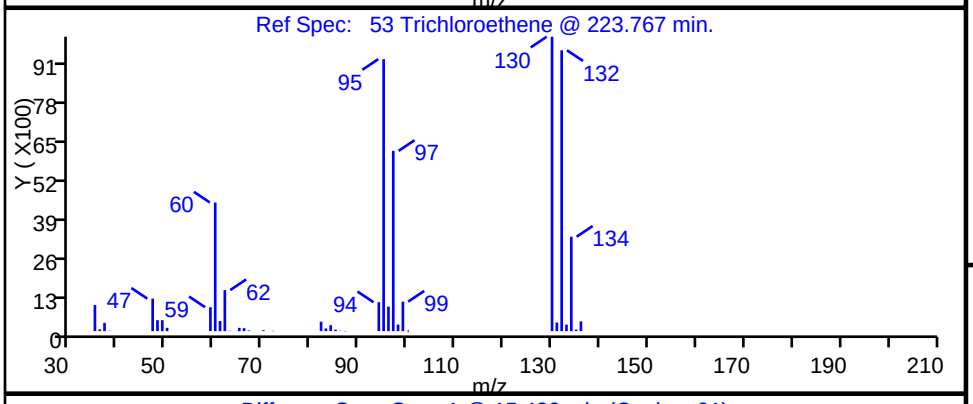
53 Trichloroethene, CAS: 79-01-6

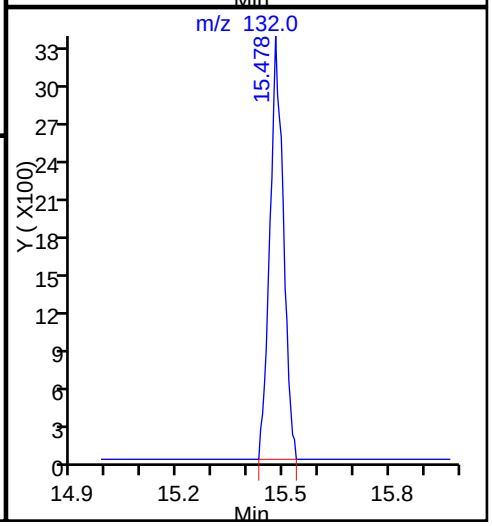


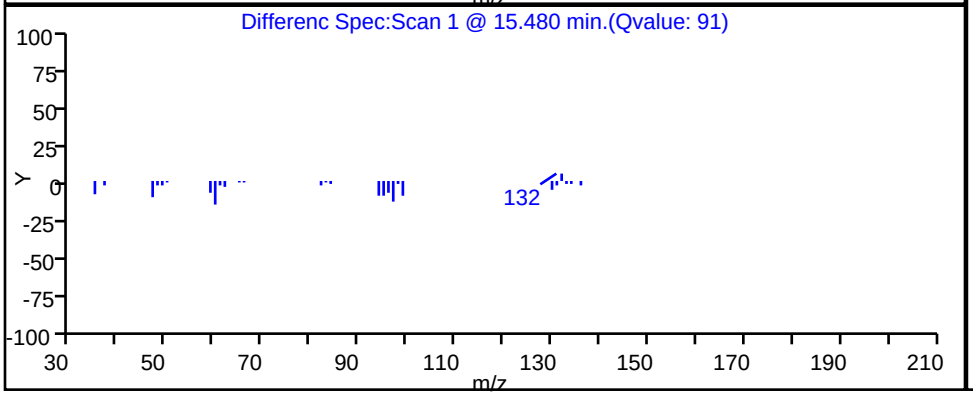








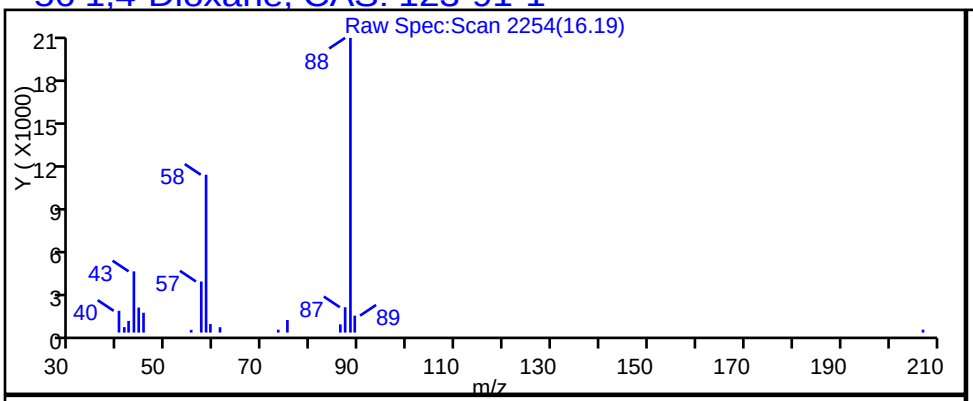


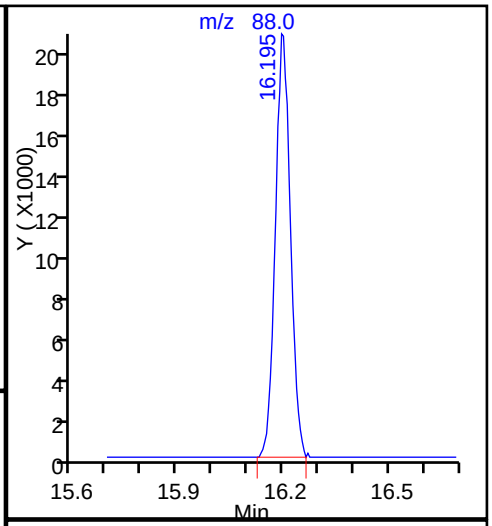


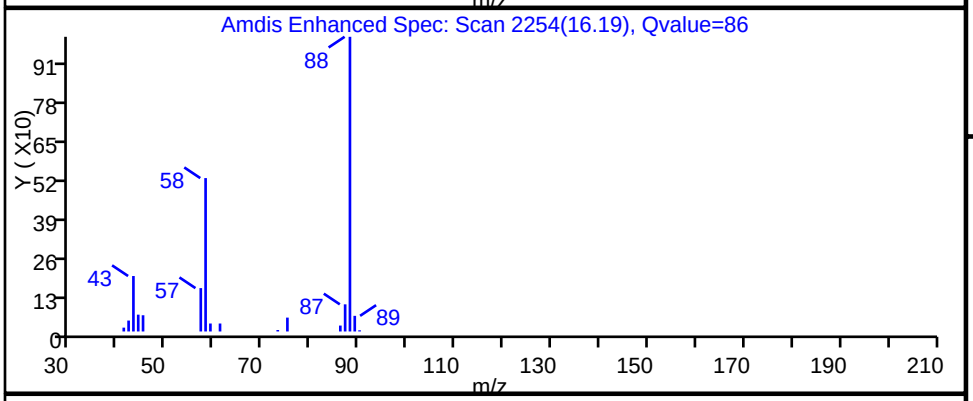
TestAmerica Burlington

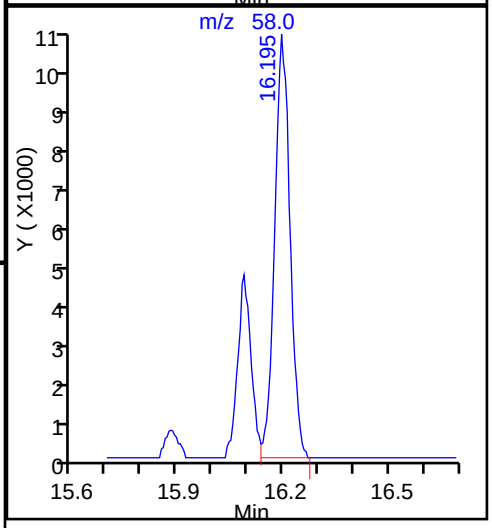
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

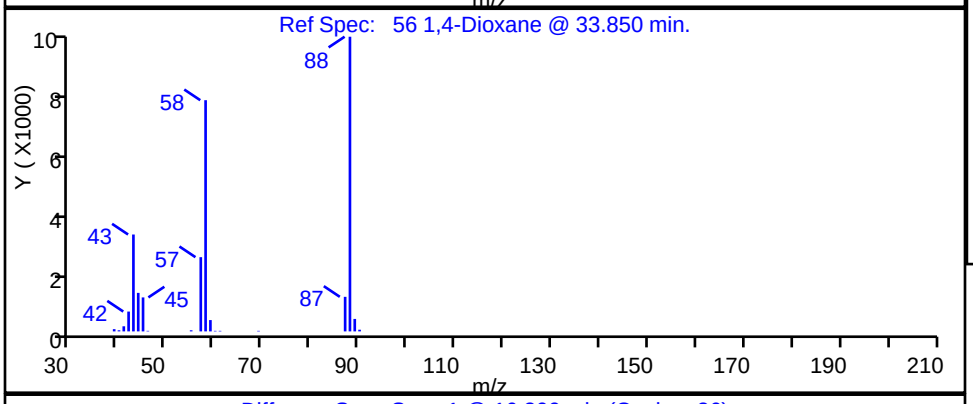
56 1,4-Dioxane, CAS: 123-91-1

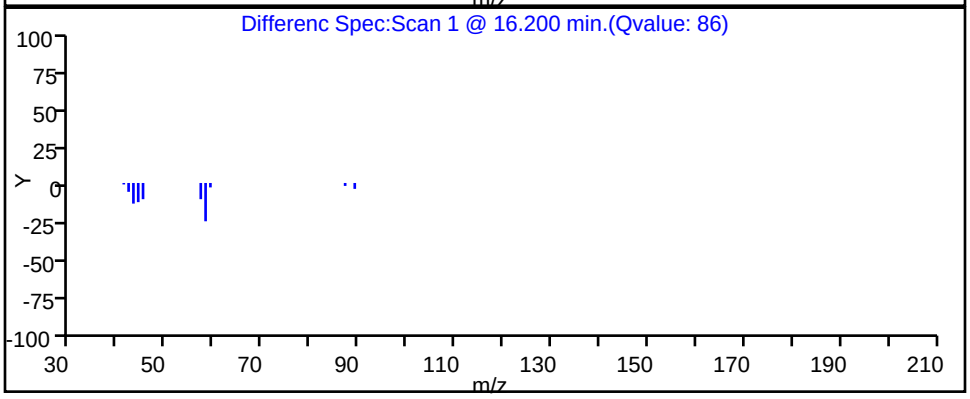








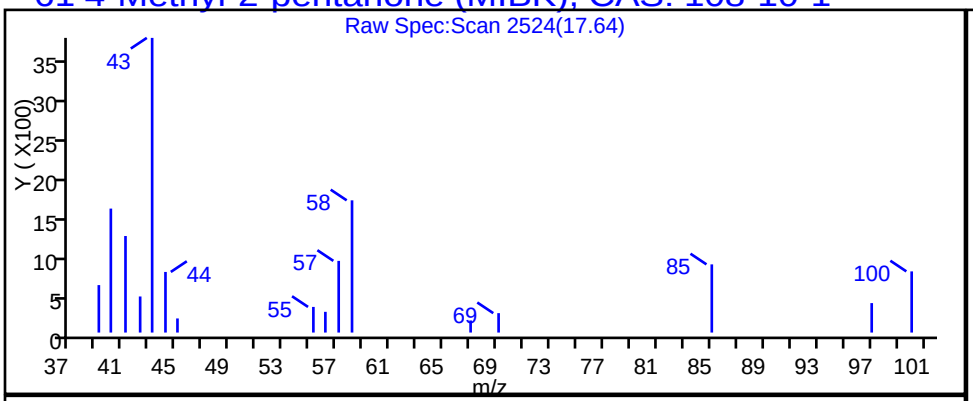


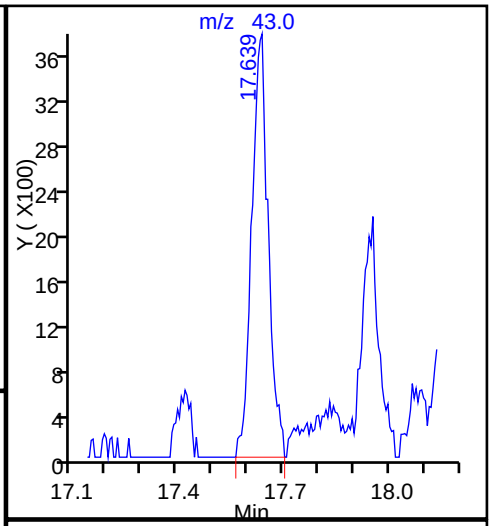


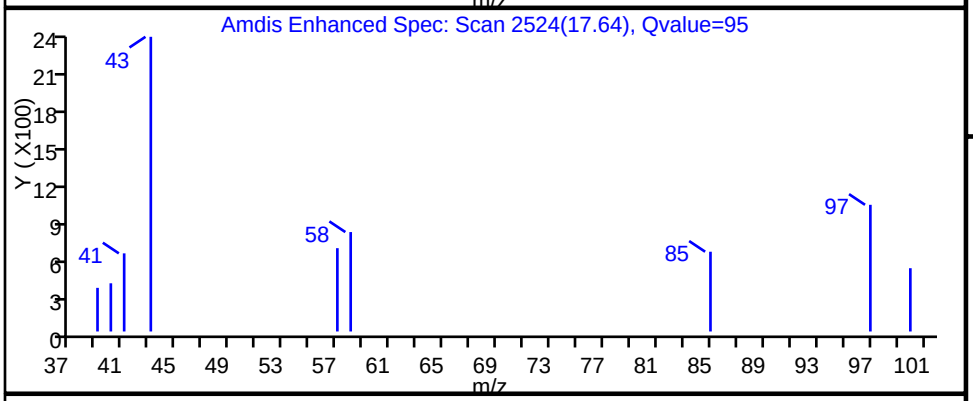
TestAmerica Burlington

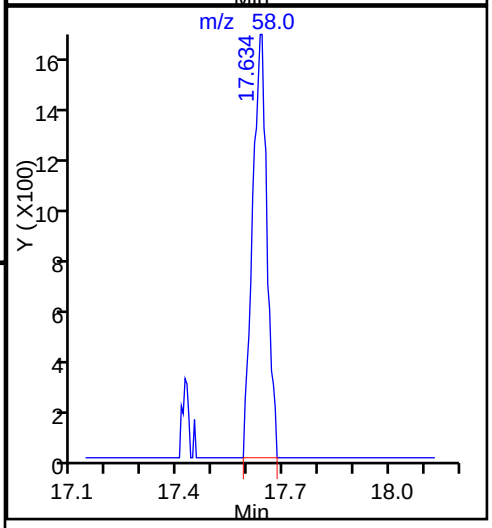
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

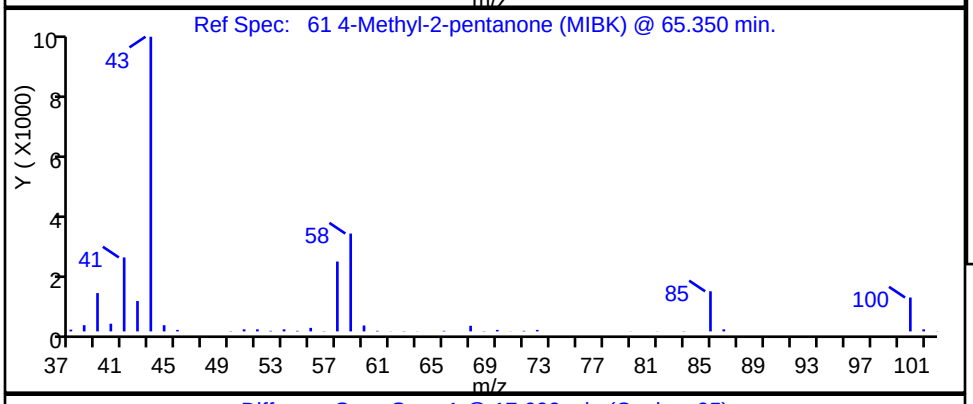
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

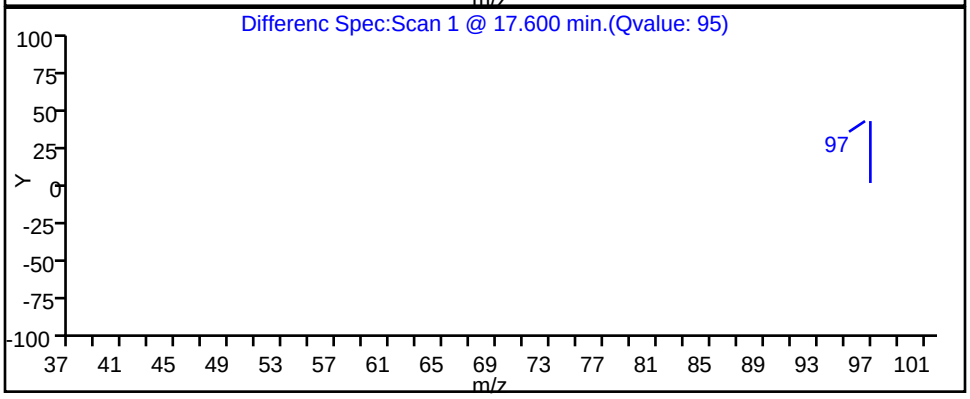








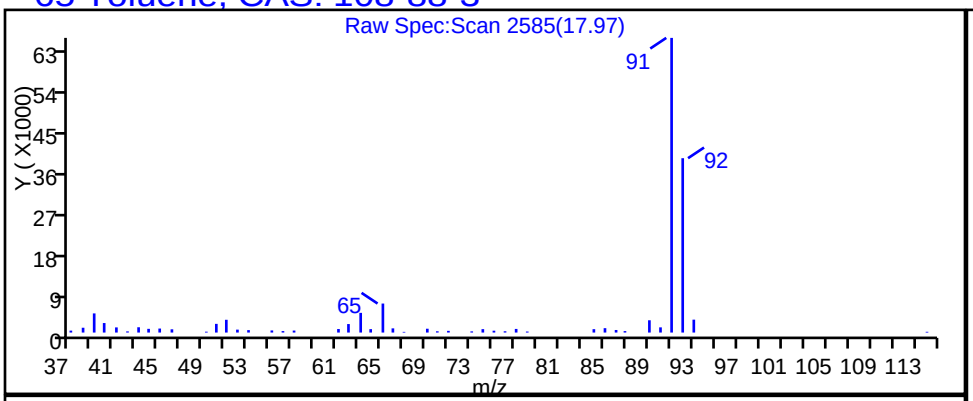


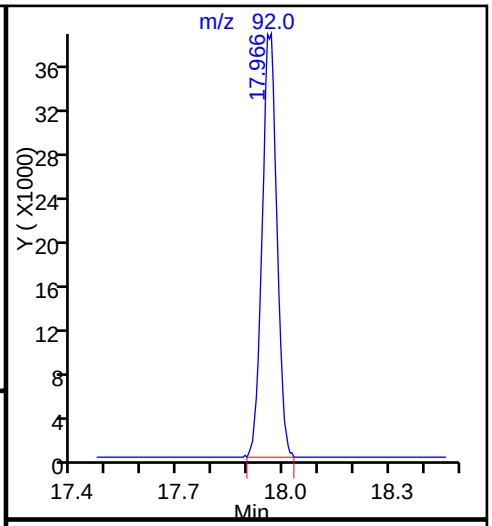


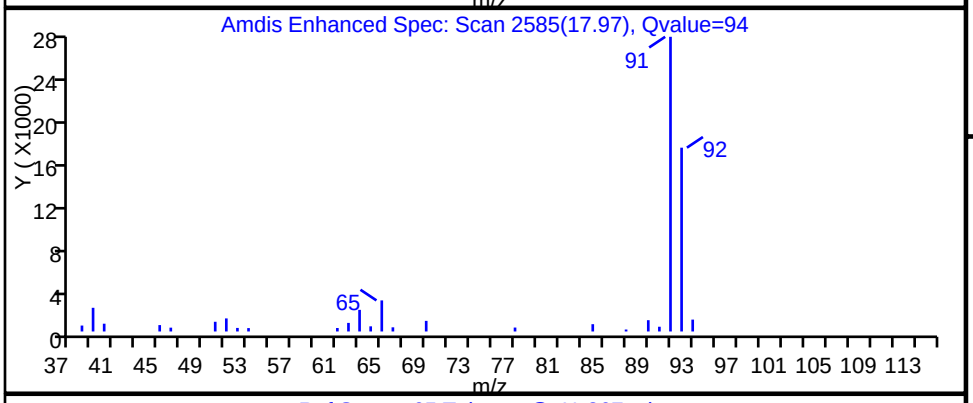
TestAmerica Burlington

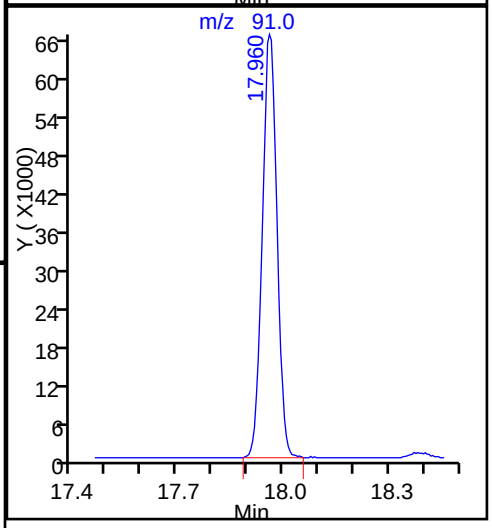
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

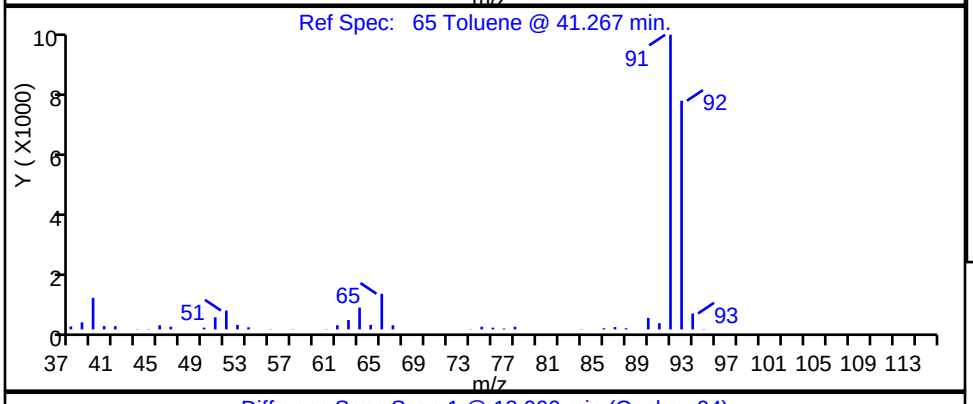
65 Toluene, CAS: 108-88-3

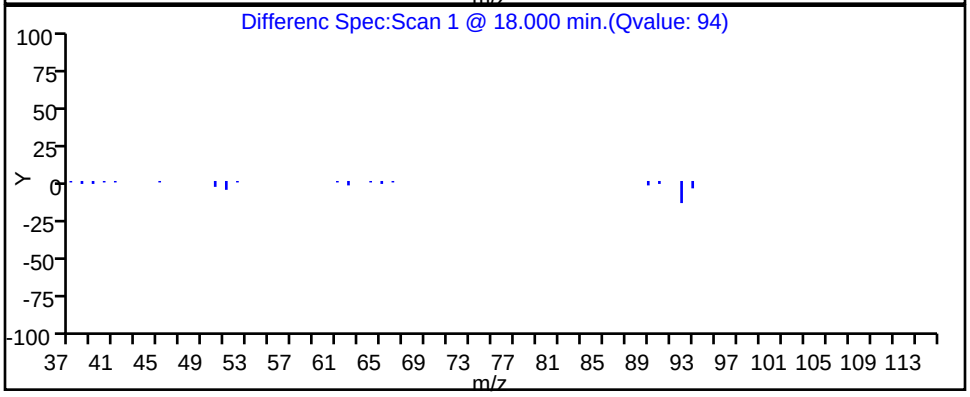








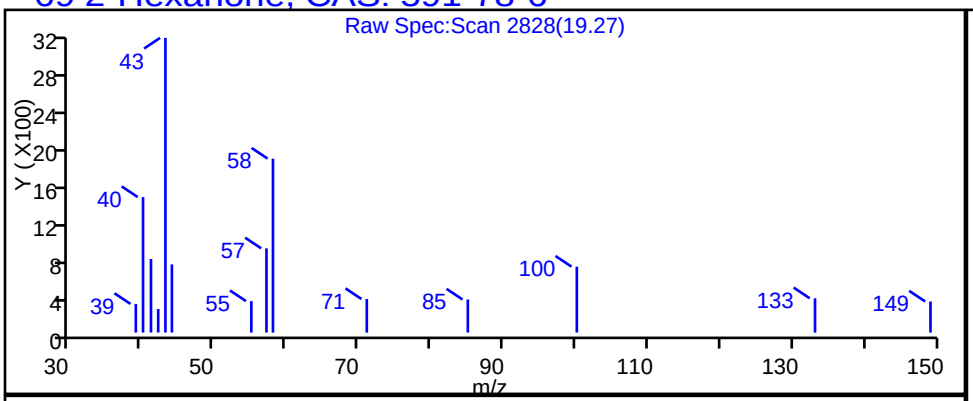


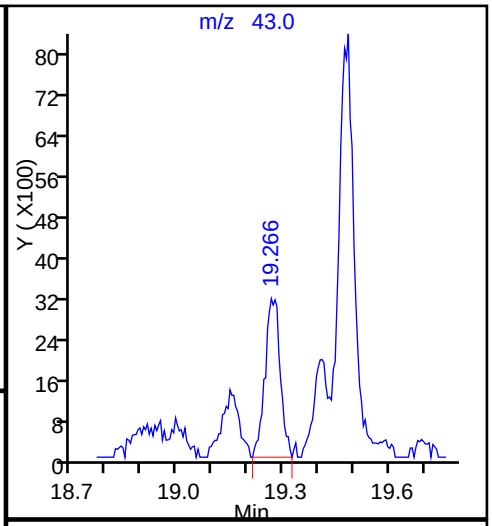


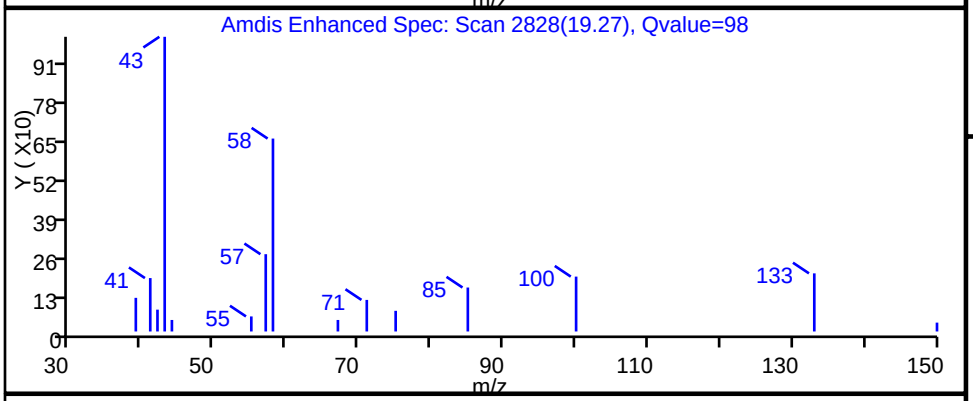
TestAmerica Burlington

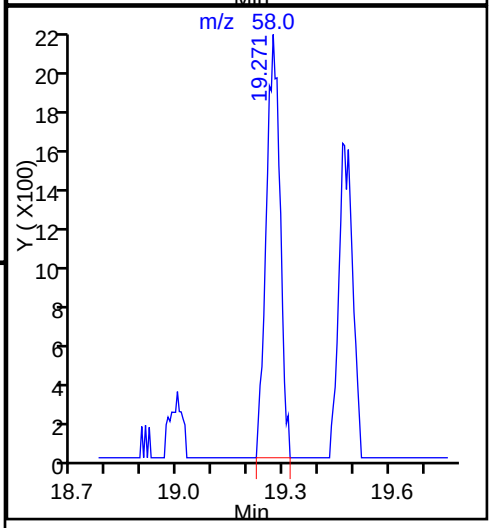
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

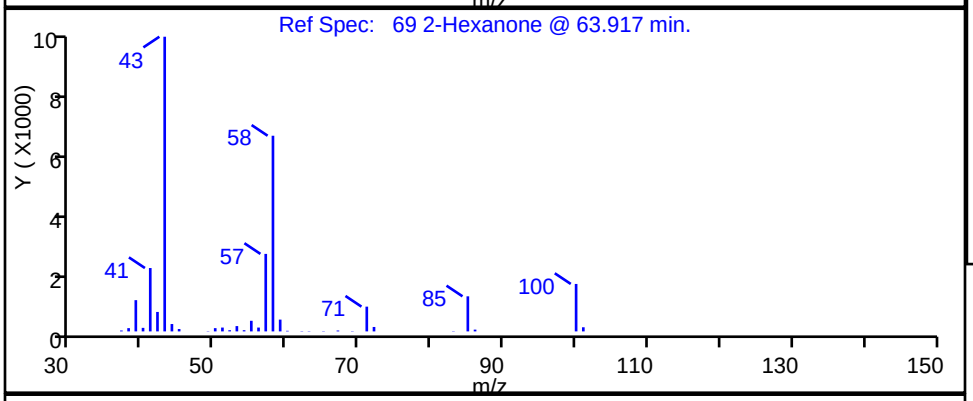
69 2-Hexanone, CAS: 591-78-6

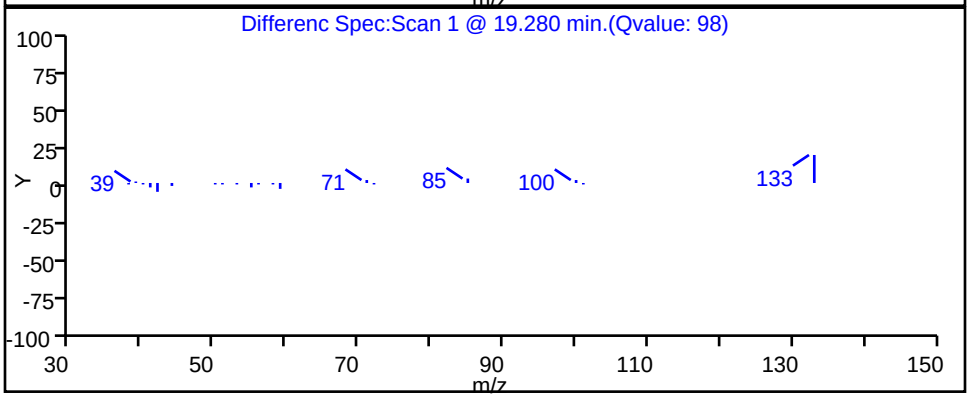






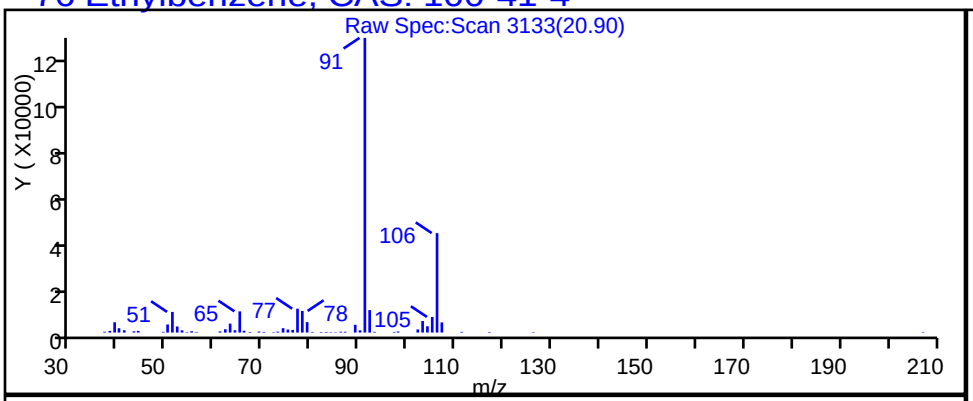


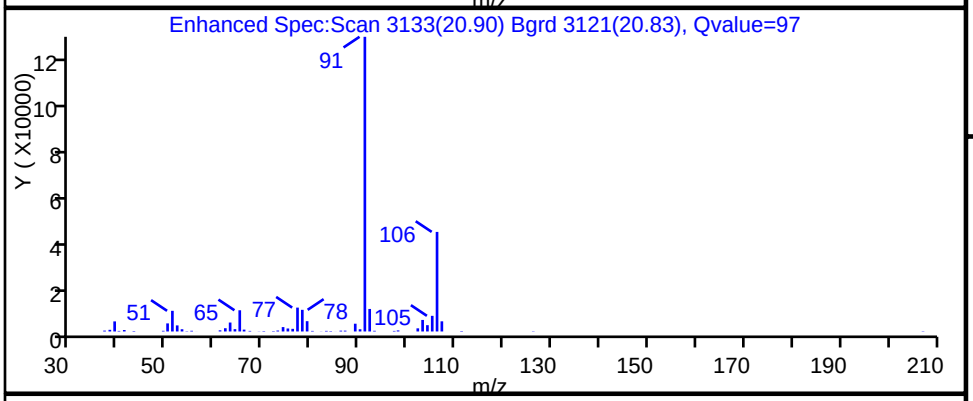


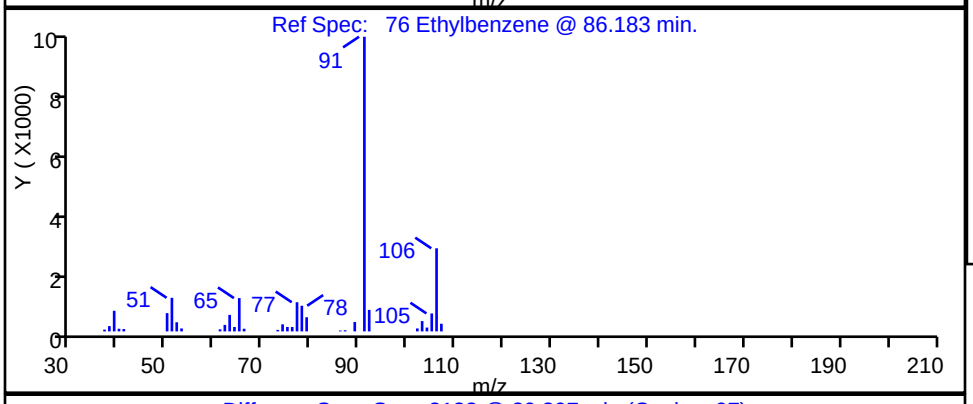


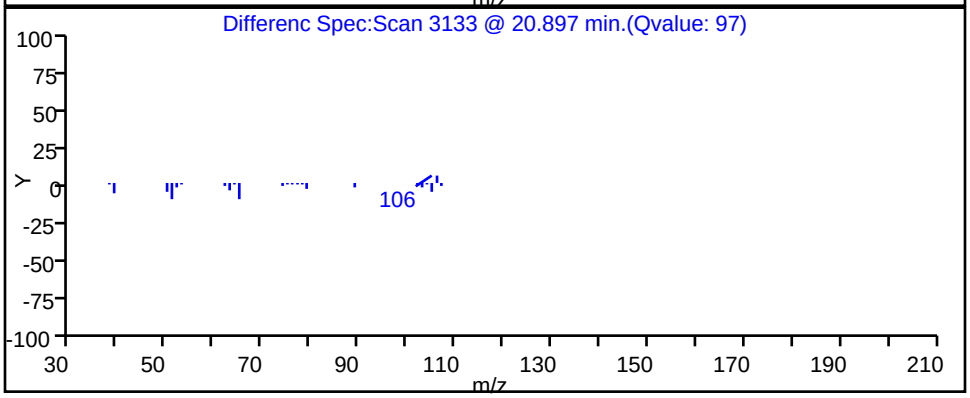
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

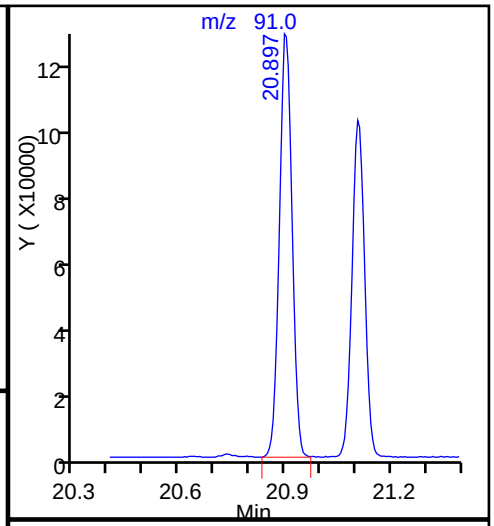
76 Ethylbenzene, CAS: 100-41-4

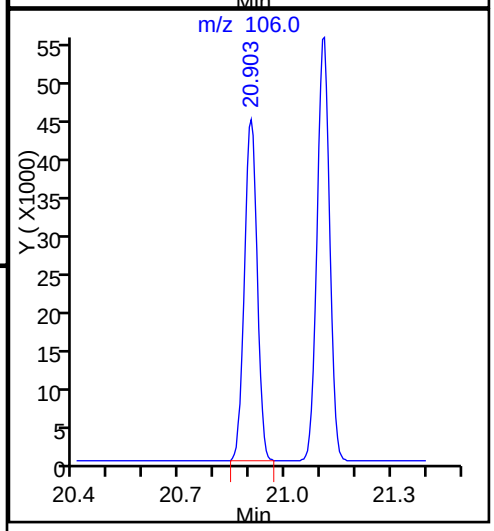








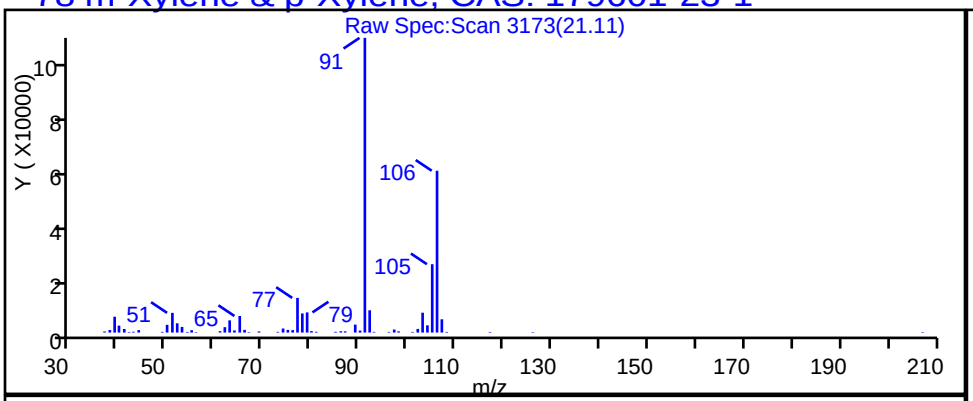


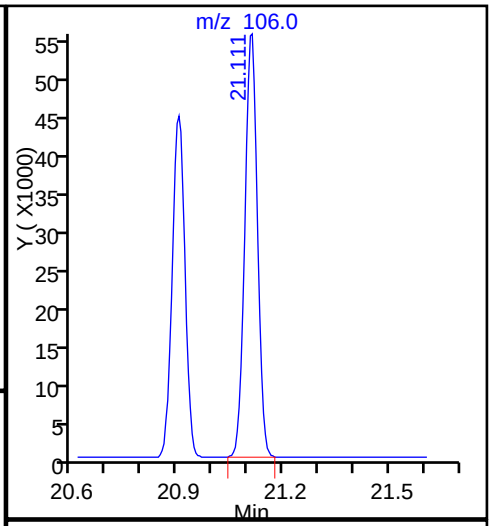


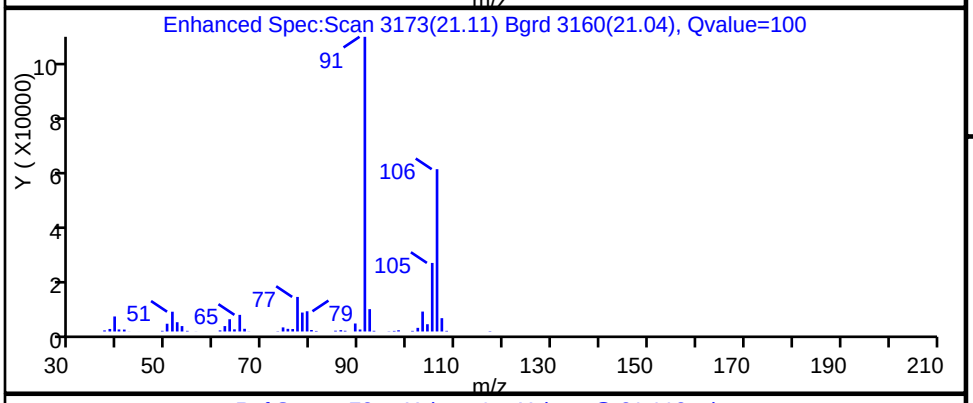
TestAmerica Burlington

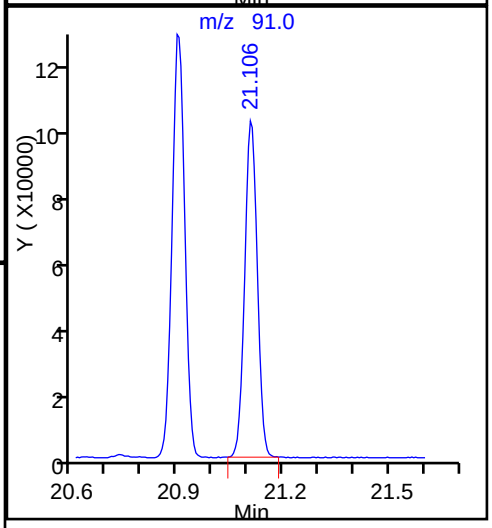
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

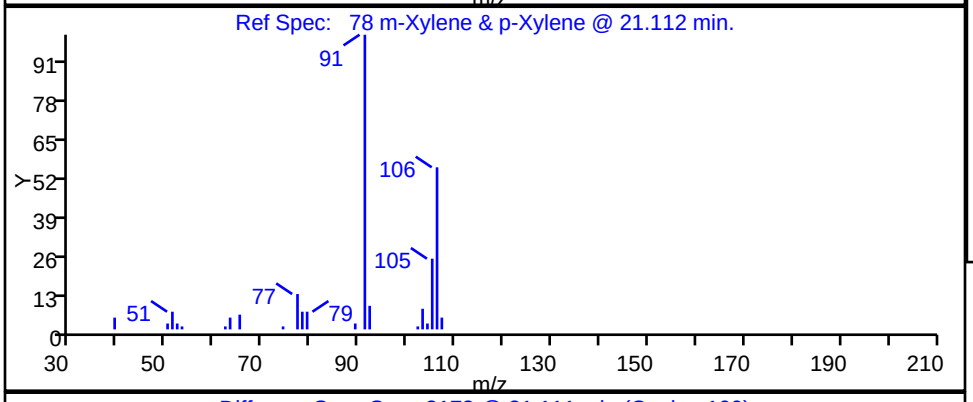
78 m-Xylene & p-Xylene, CAS: 179601-23-1

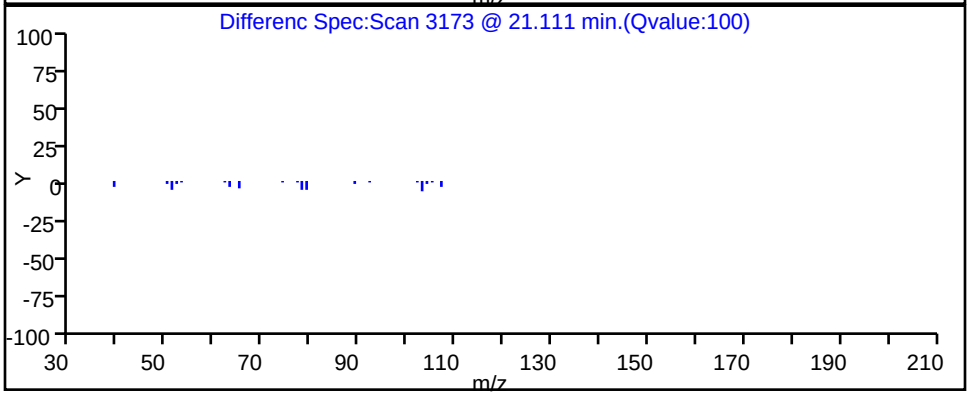








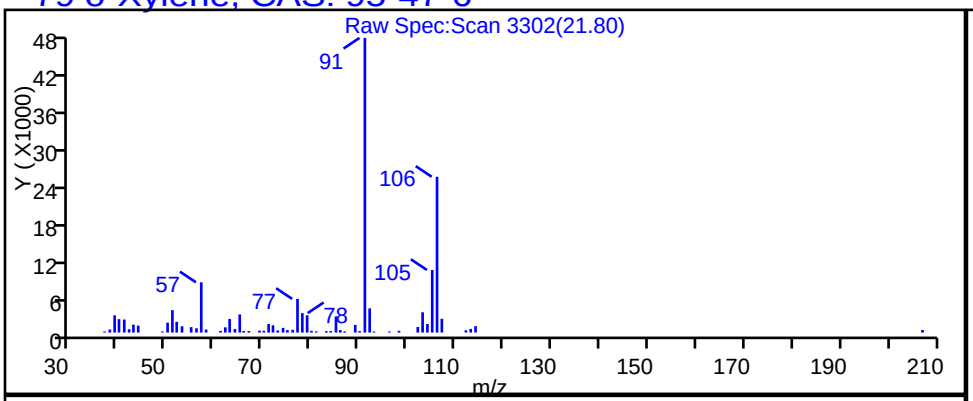


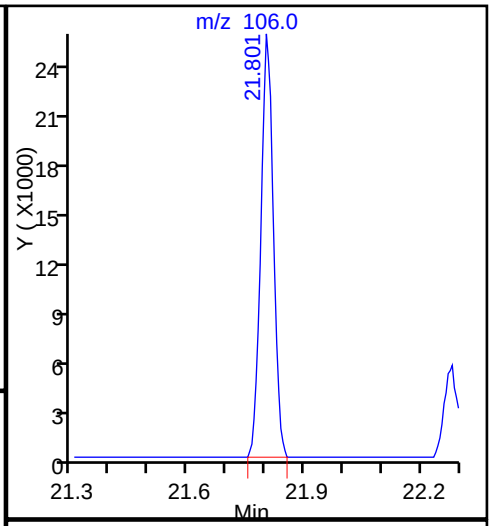


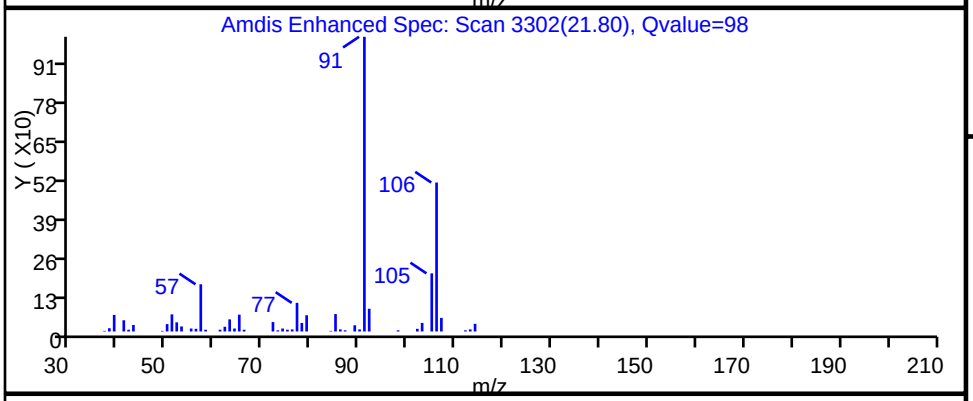
TestAmerica Burlington

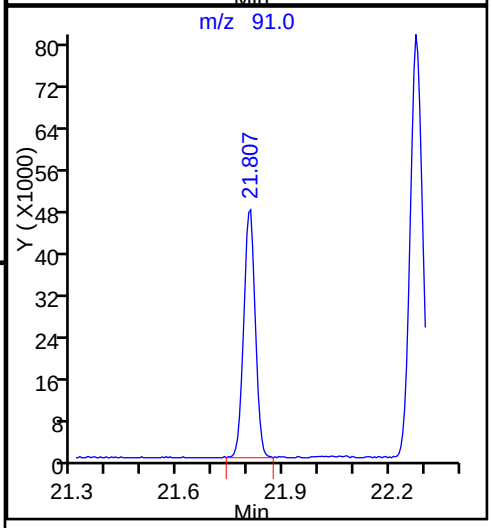
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

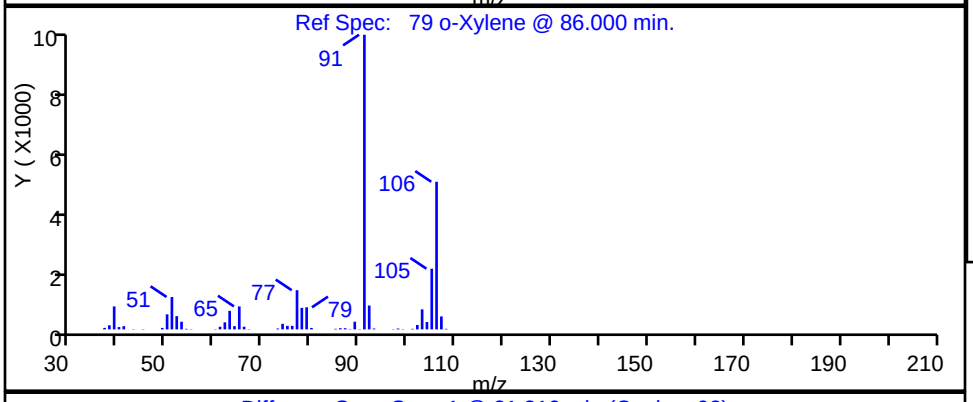
79 o-Xylene, CAS: 95-47-6

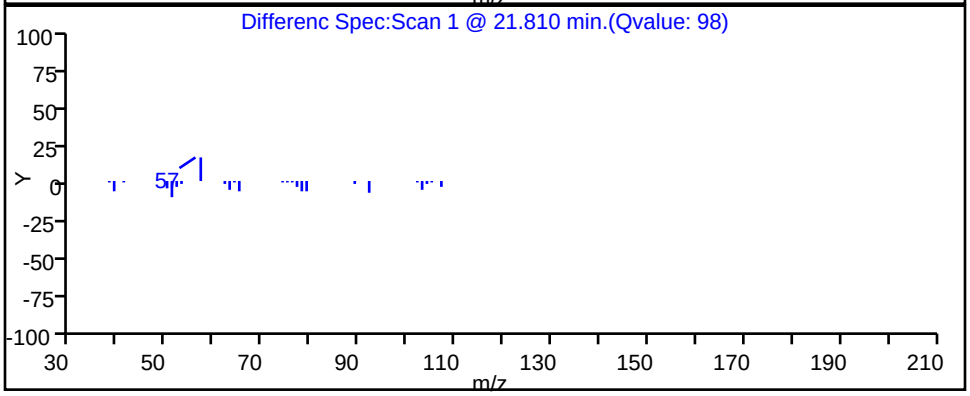








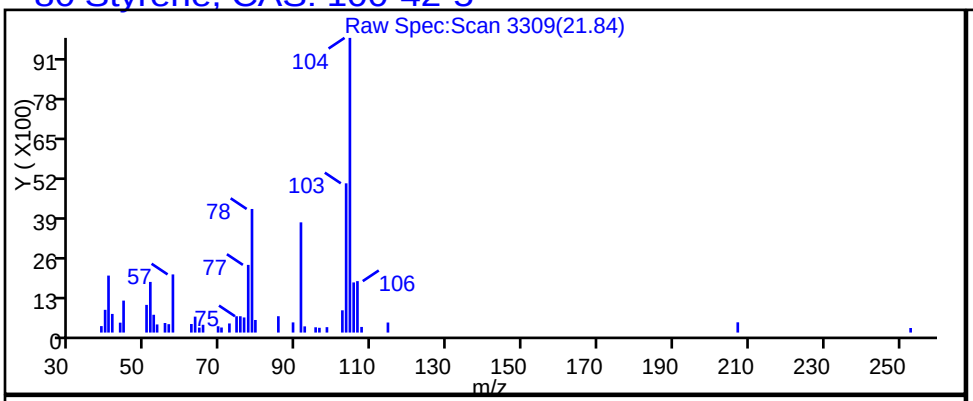


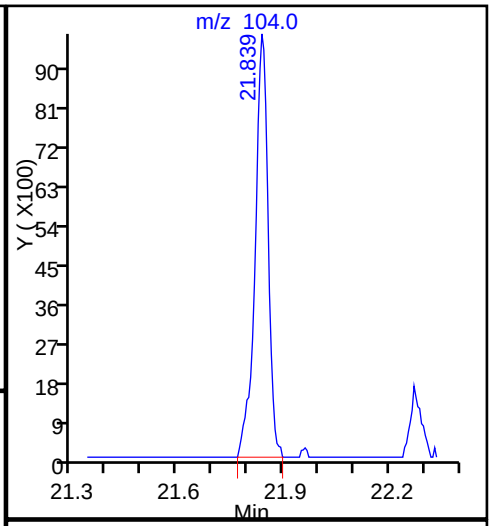


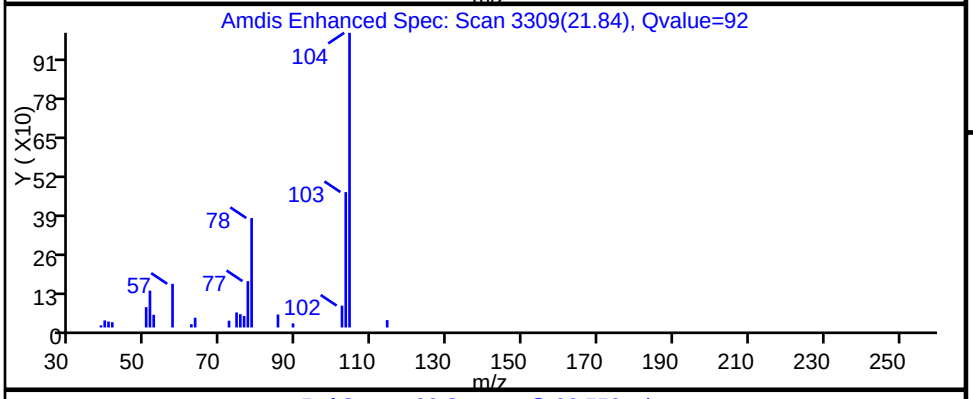
TestAmerica Burlington

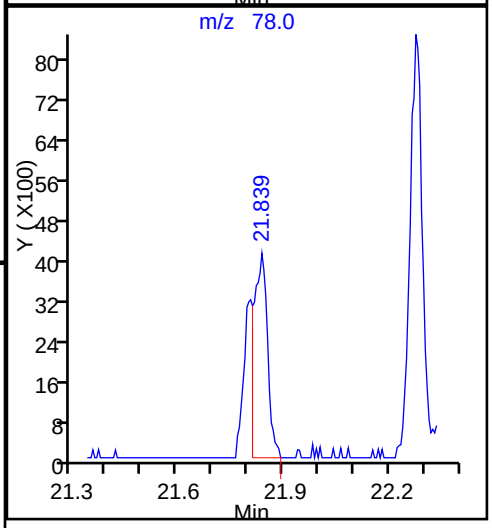
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

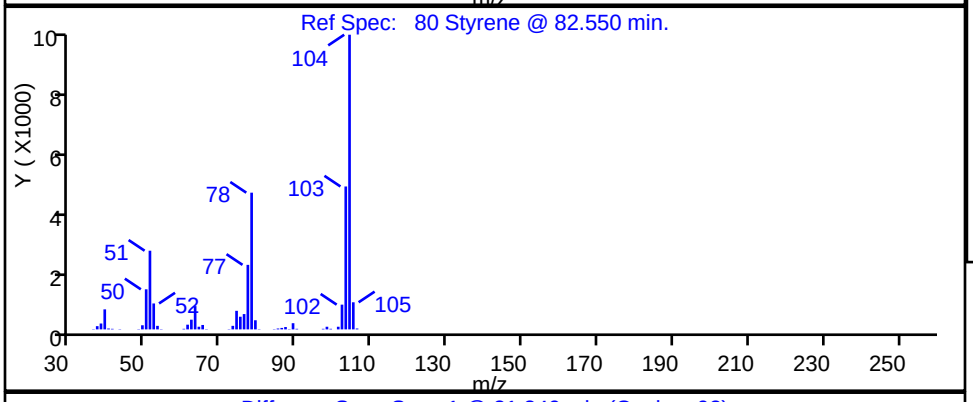
80 Styrene, CAS: 100-42-5

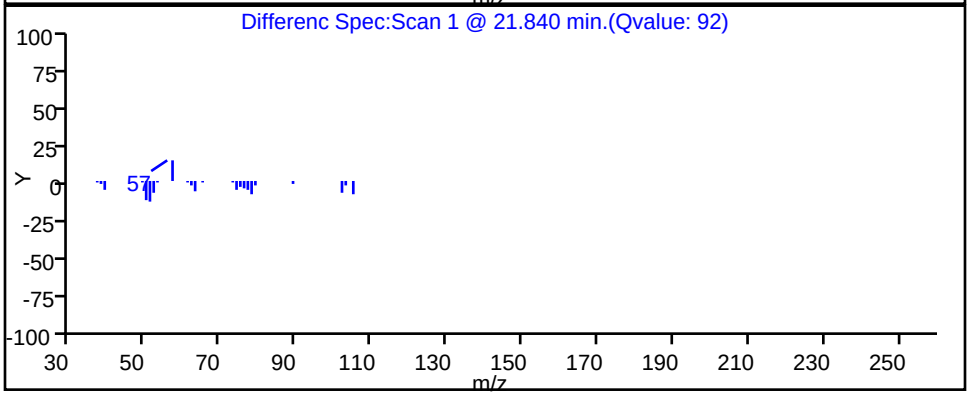








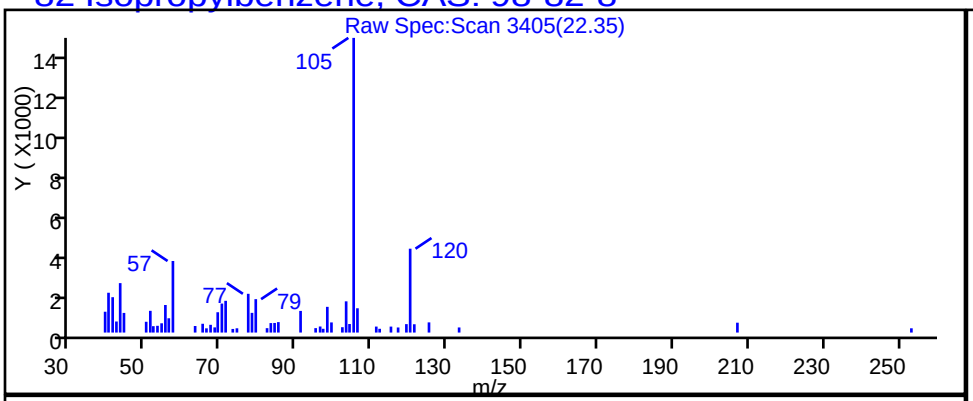


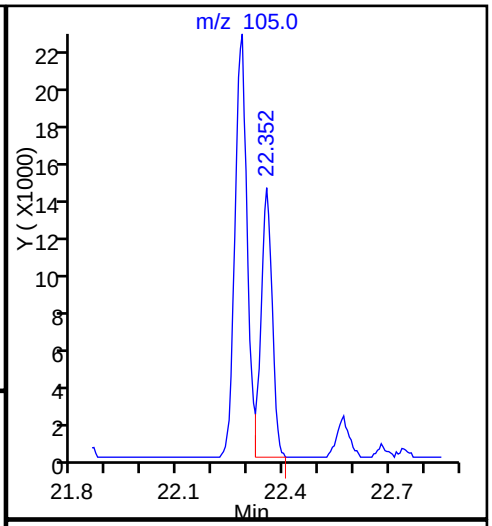


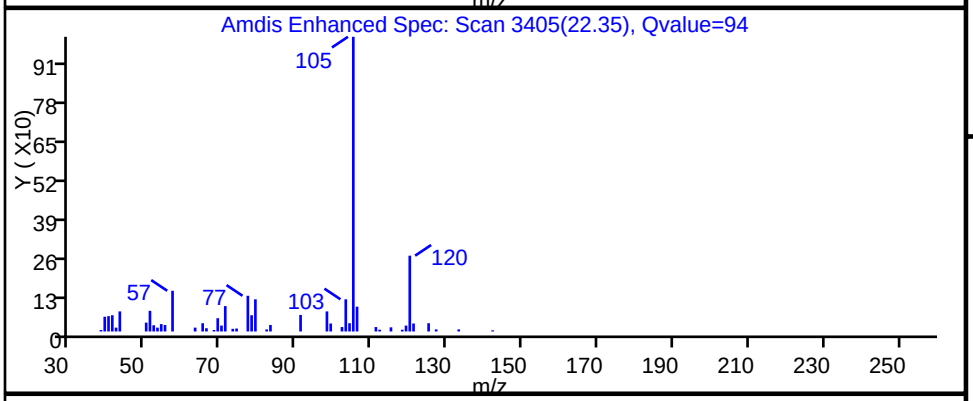
TestAmerica Burlington

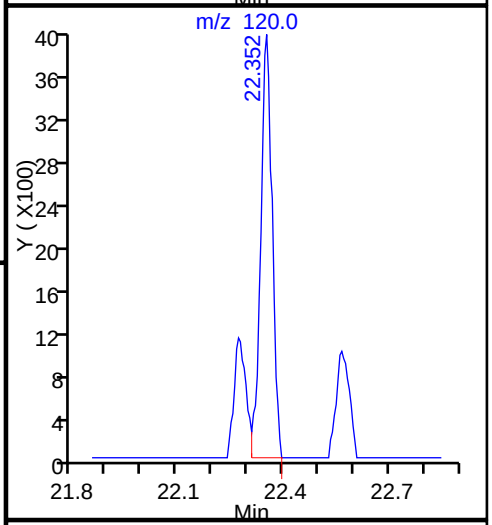
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

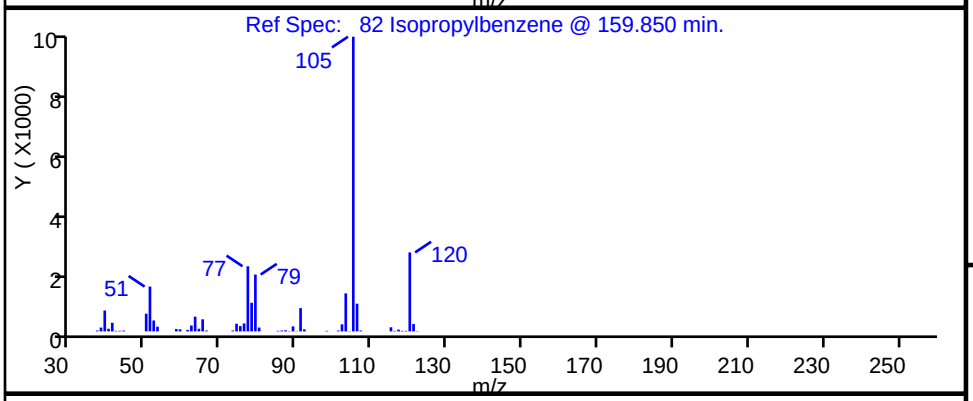
82 Isopropylbenzene, CAS: 98-82-8

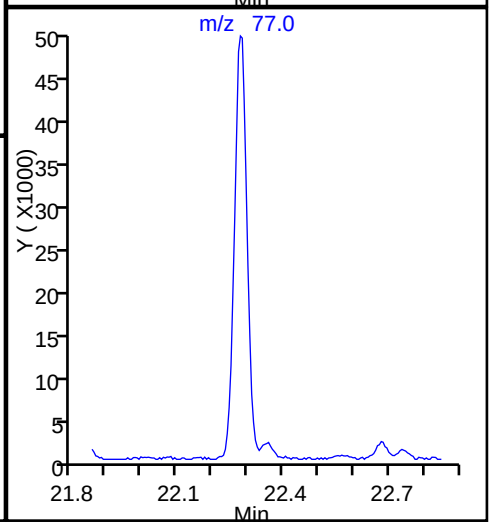


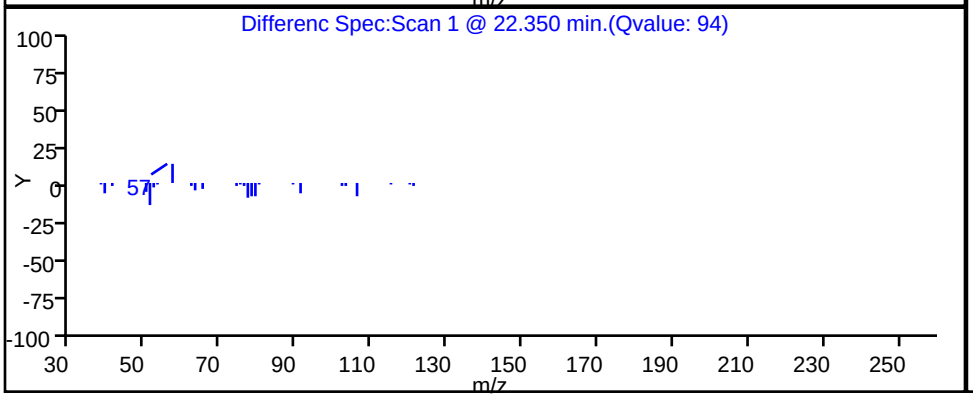








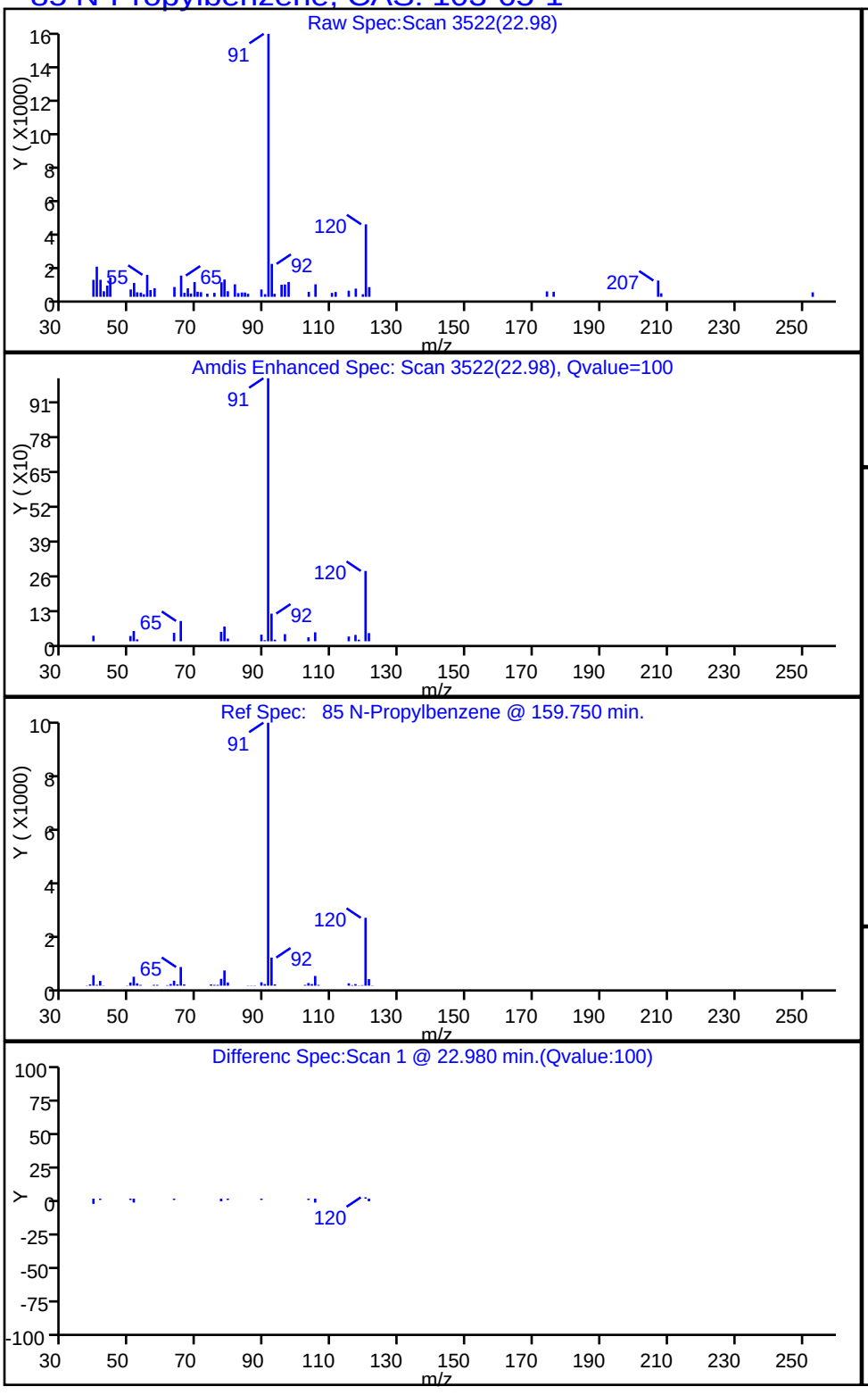


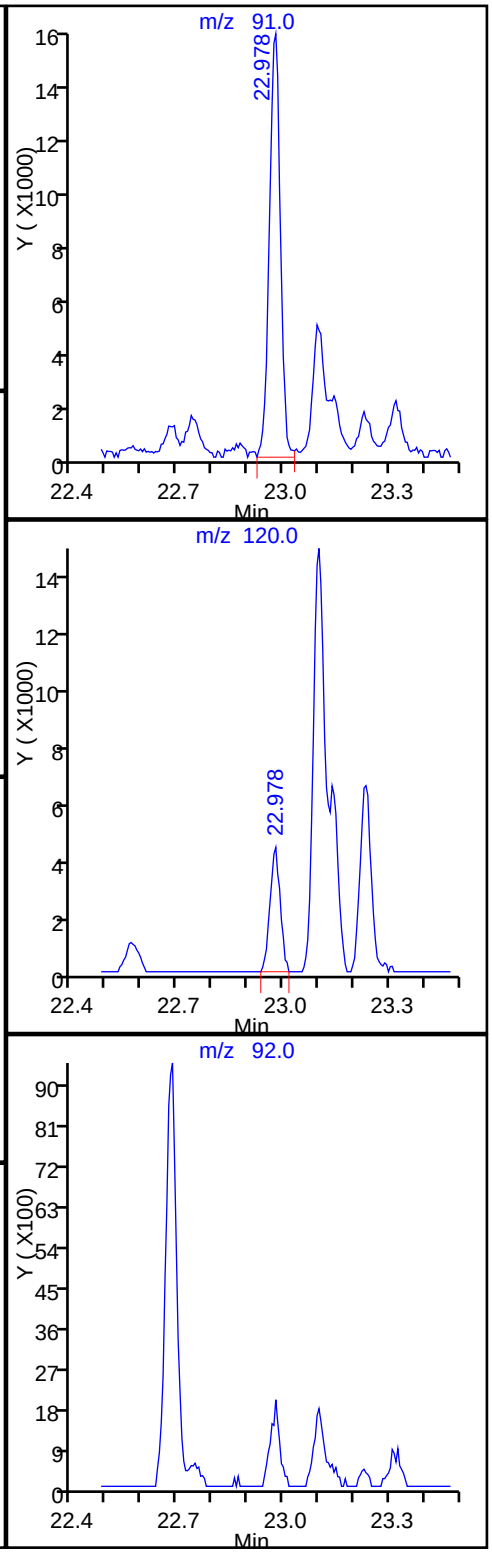


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

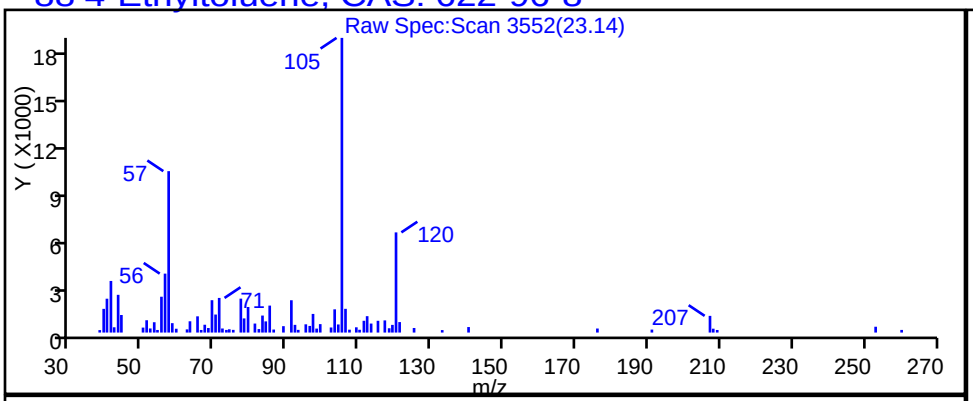


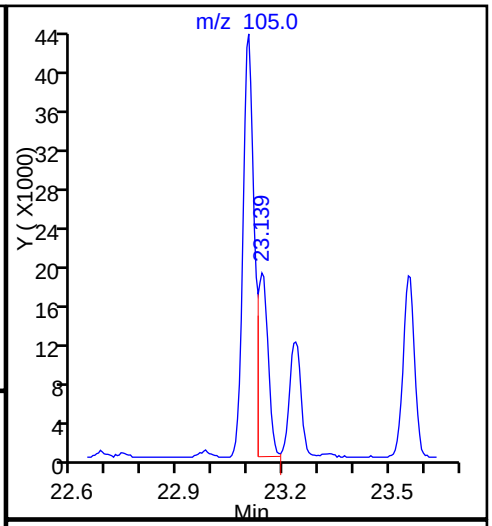


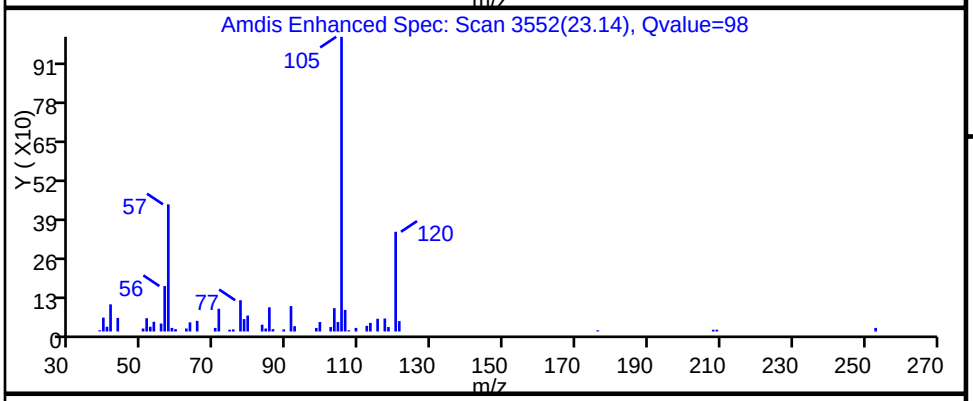
TestAmerica Burlington

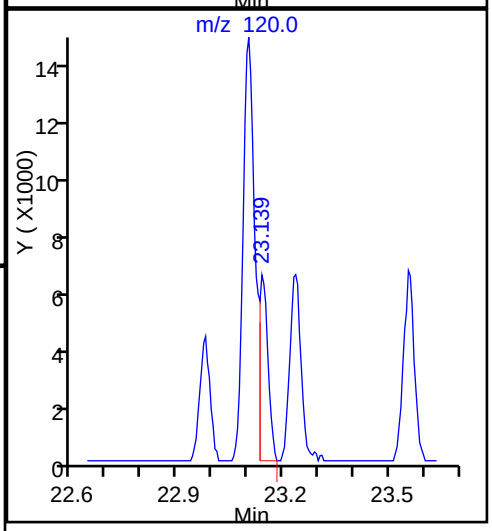
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

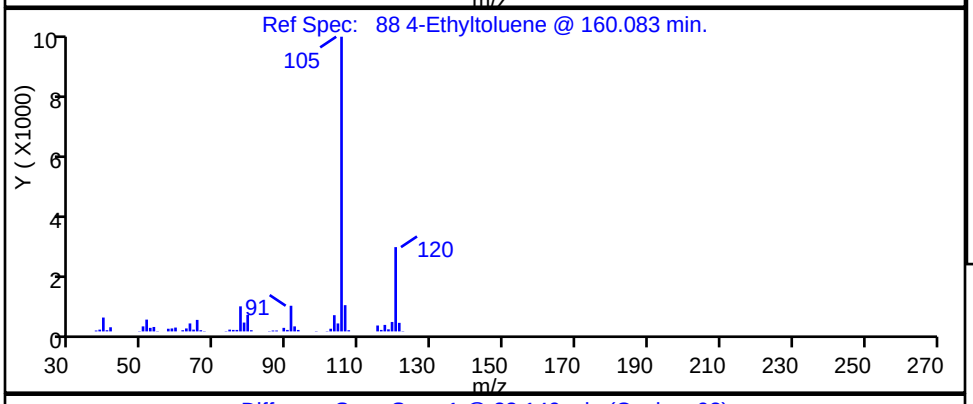
88 4-Ethyltoluene, CAS: 622-96-8

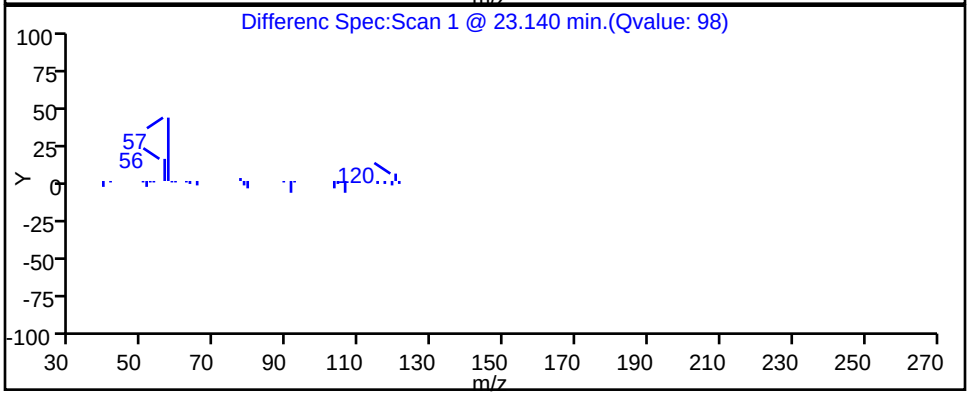








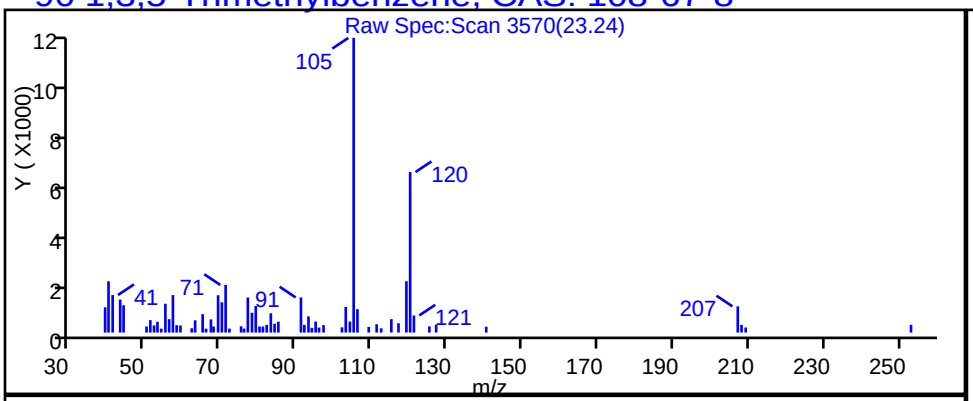


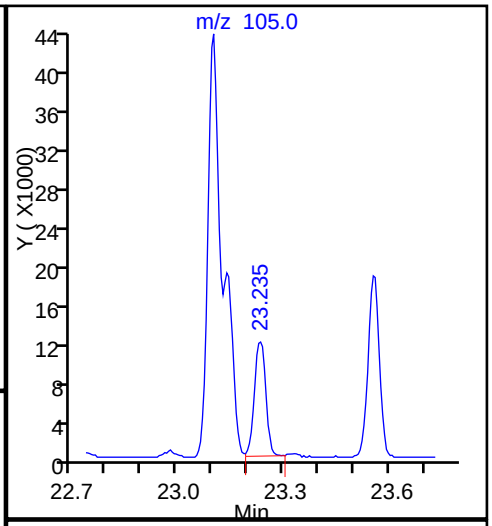


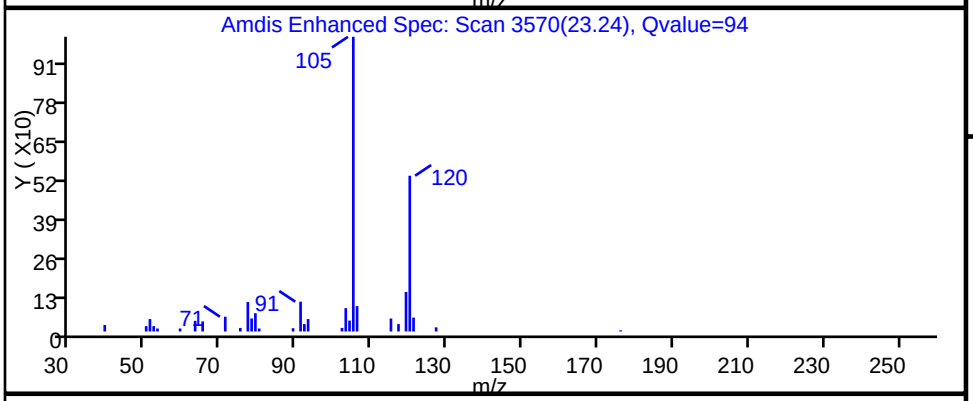
TestAmerica Burlington

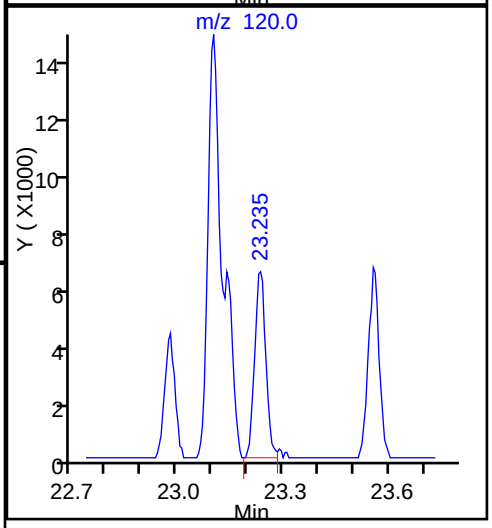
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

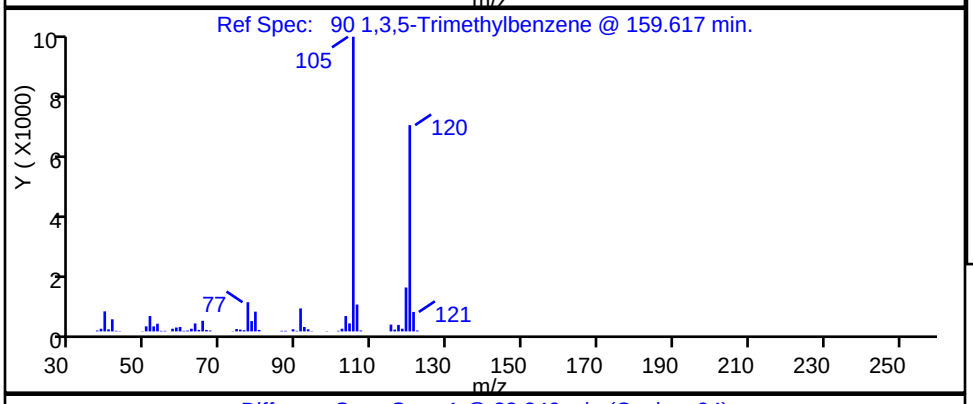
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

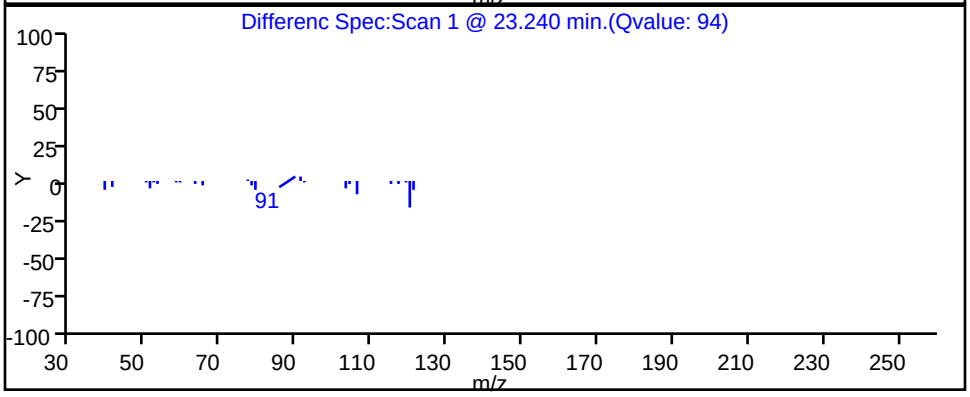








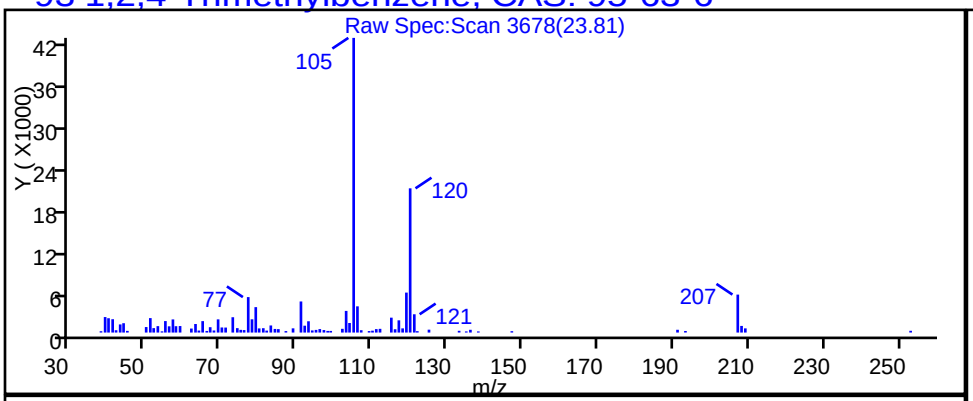


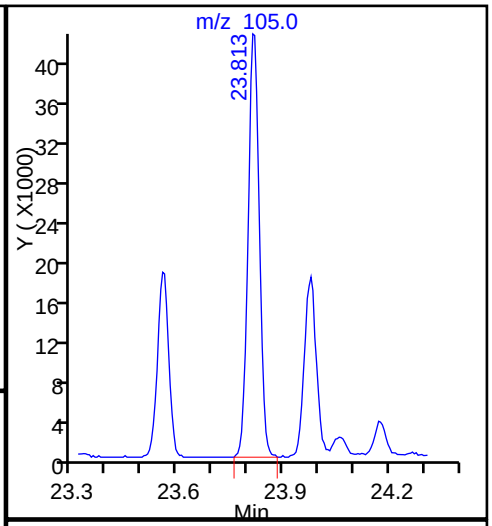


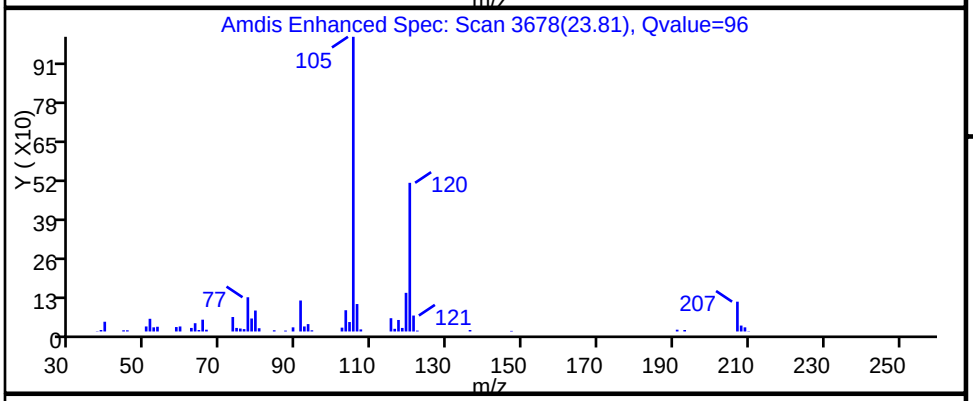
TestAmerica Burlington

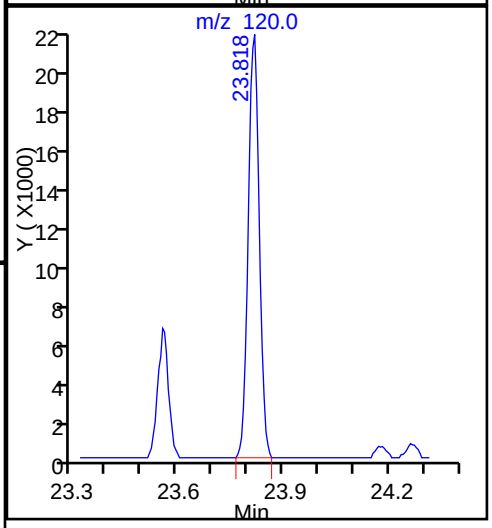
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

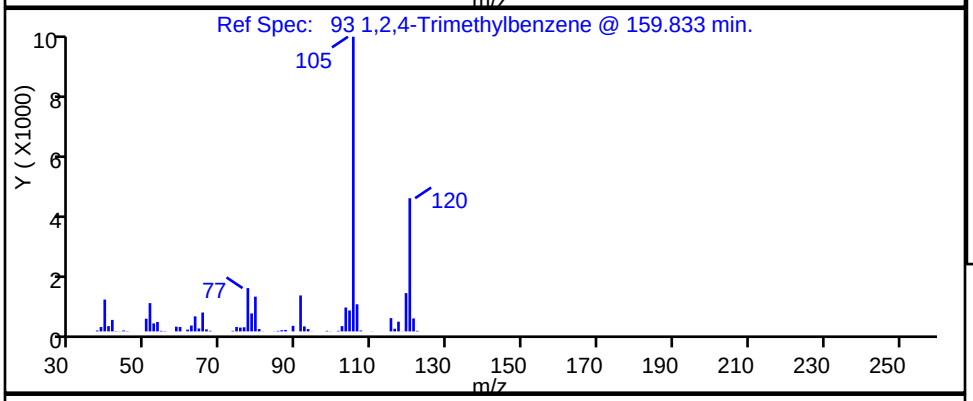
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

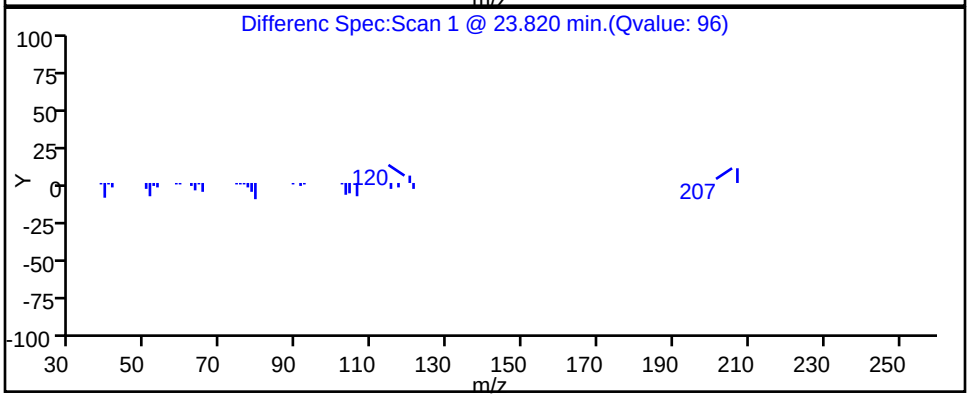






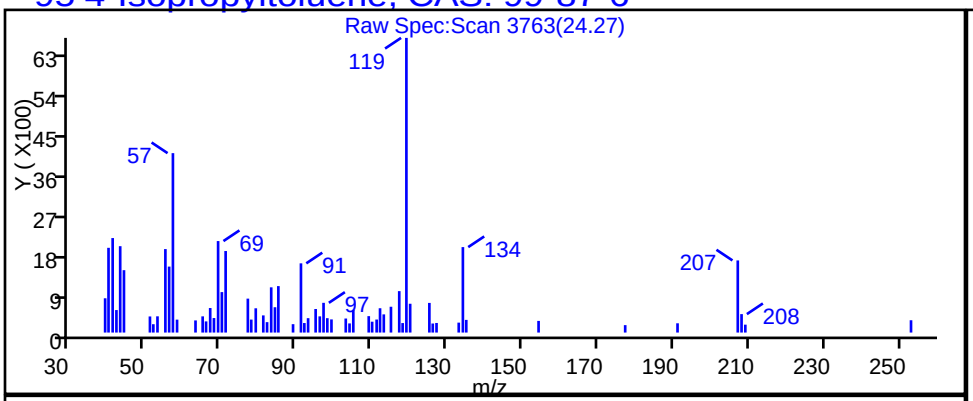


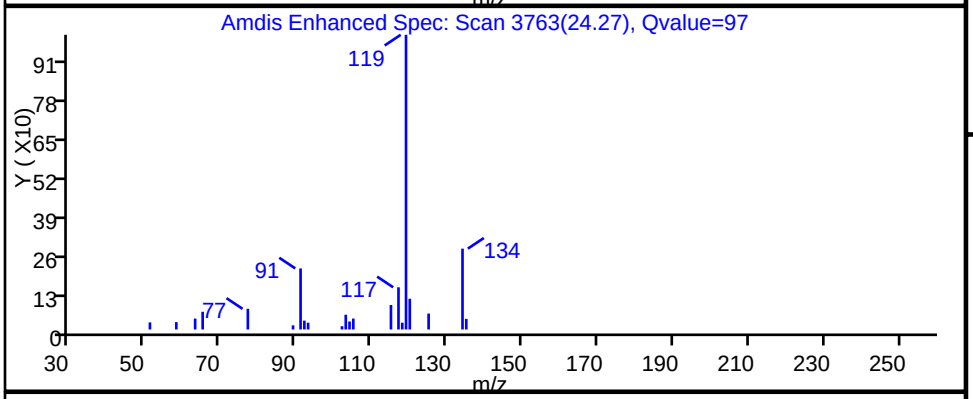


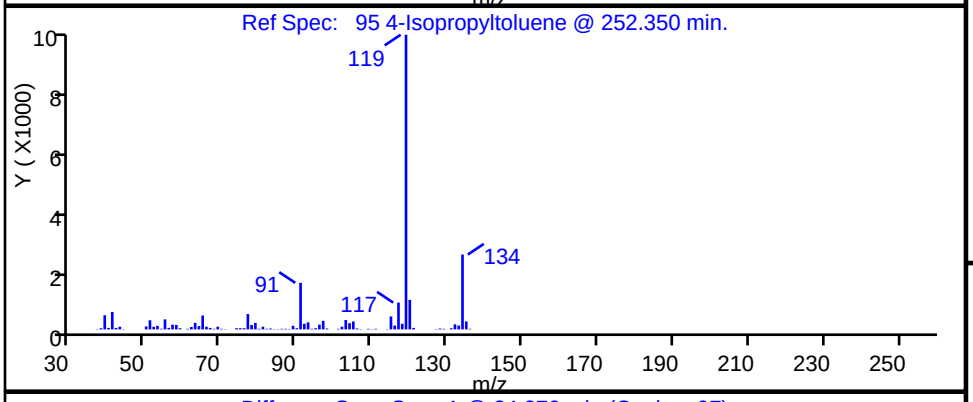


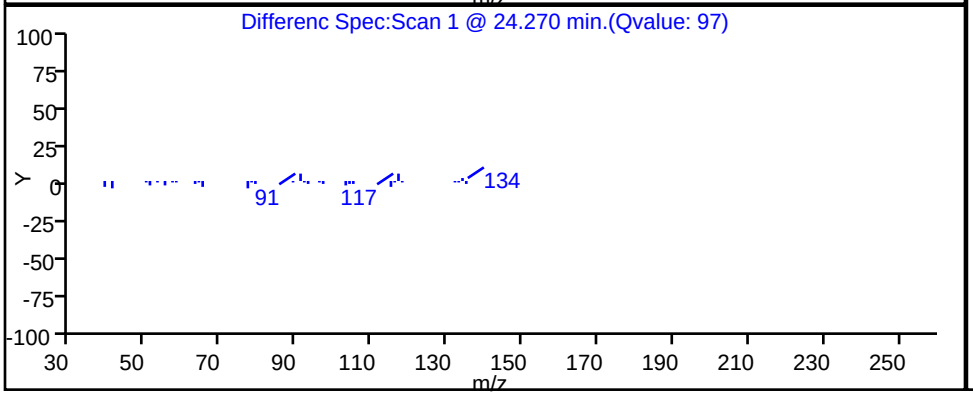
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

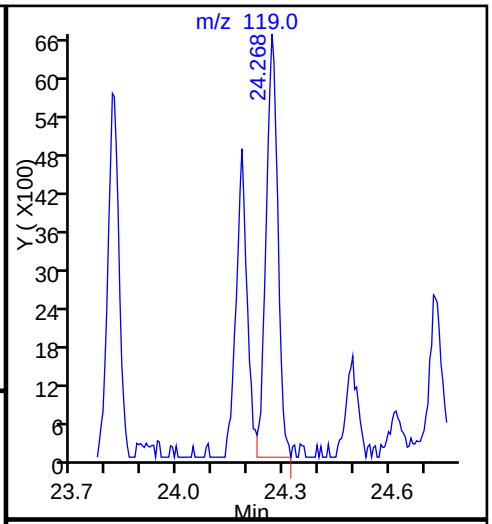
95 4-Isopropyltoluene, CAS: 99-87-6

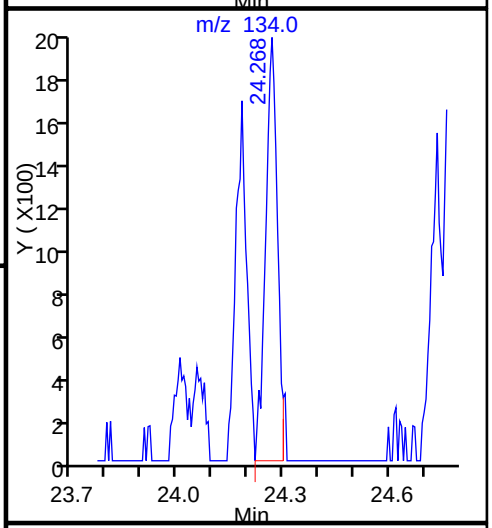


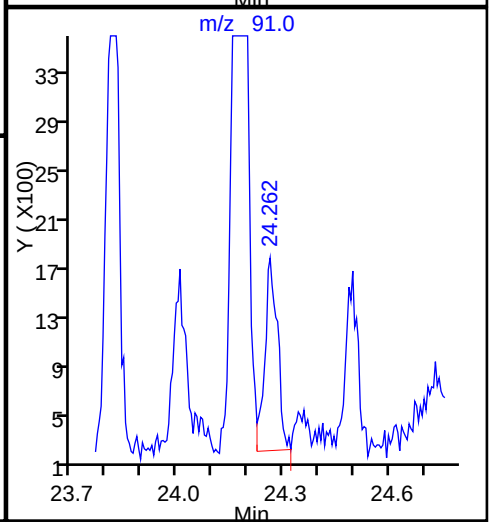






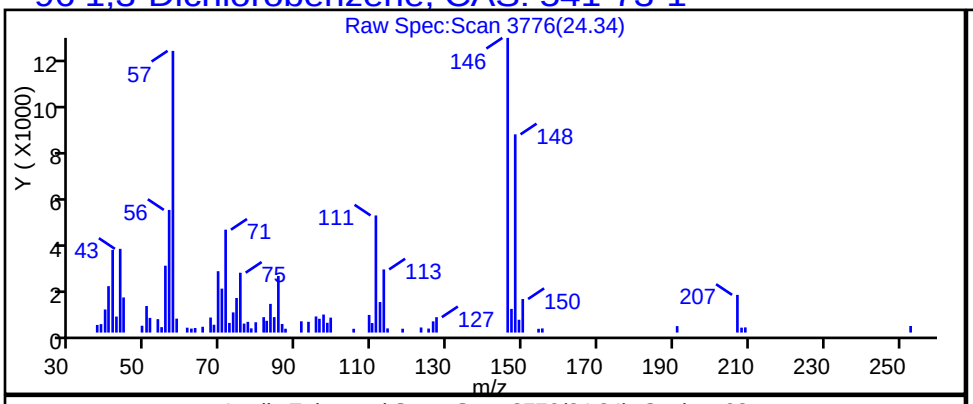


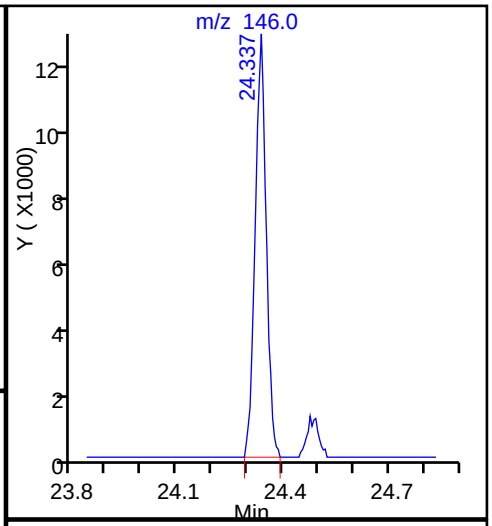


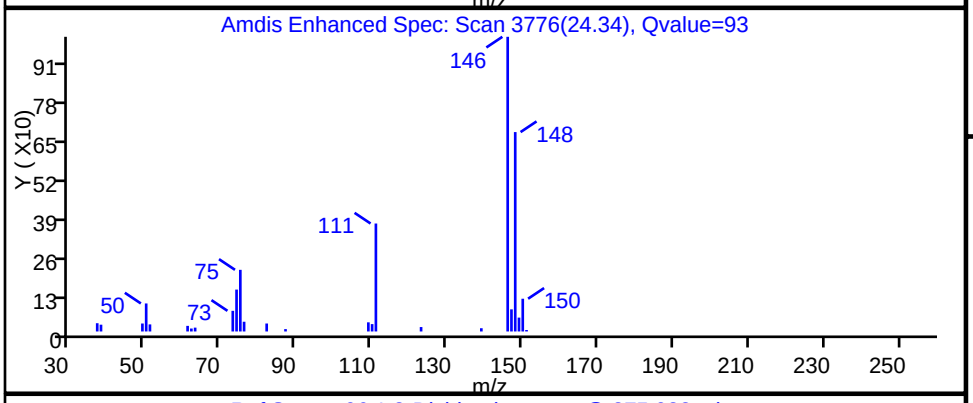


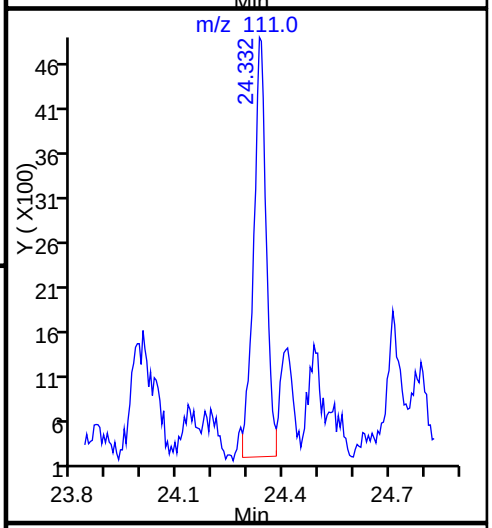
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d
Injection Date: 10-Sep-2015 20:05:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-8 Lab Sample ID: 200-29580-8
Client ID: 776VMP0201NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

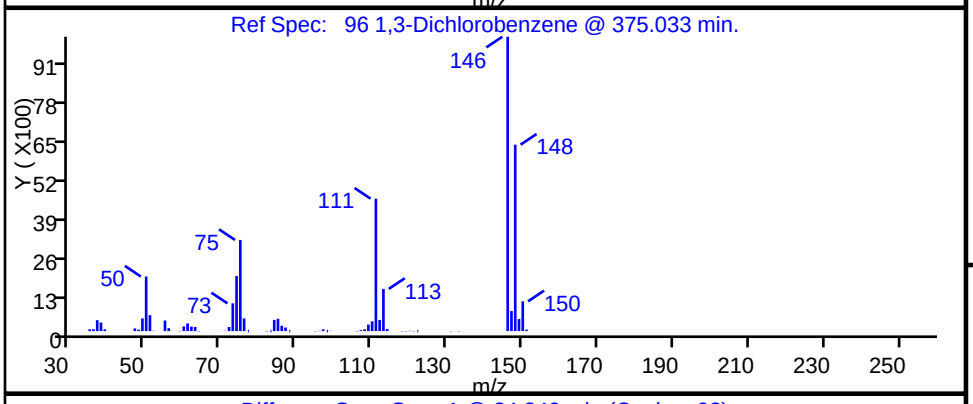
96 1,3-Dichlorobenzene, CAS: 541-73-1

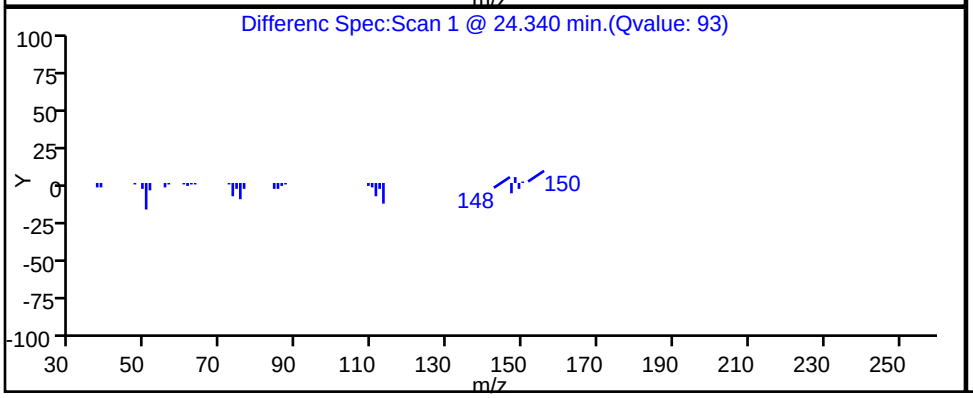


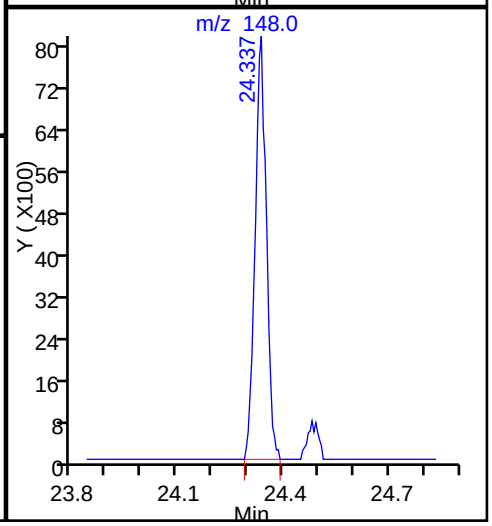








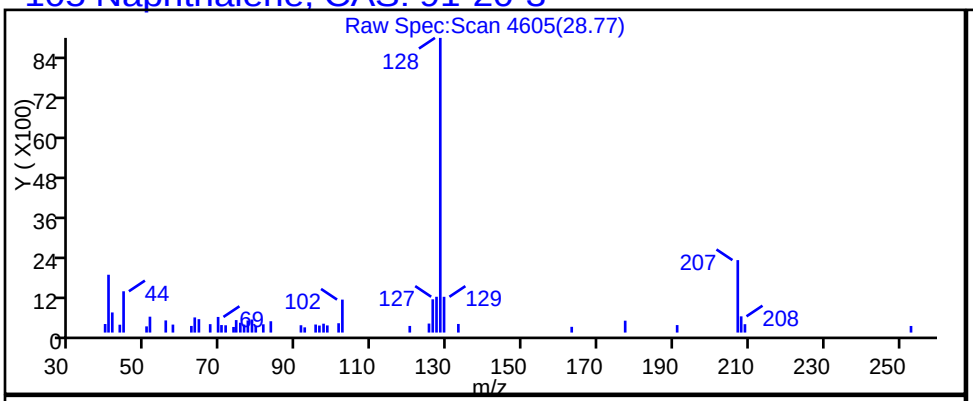


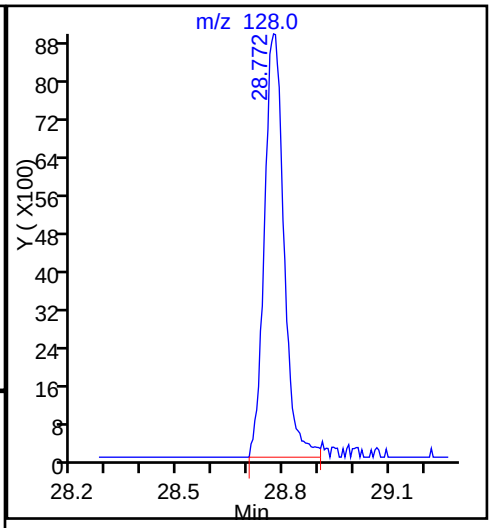


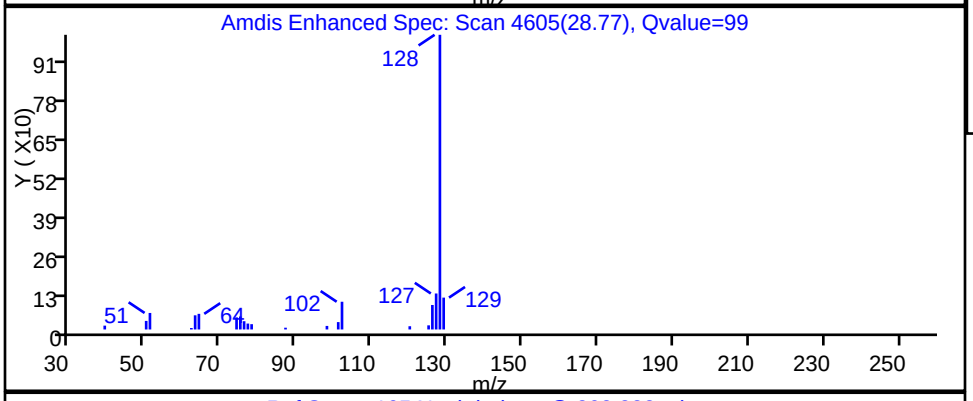
TestAmerica Burlington

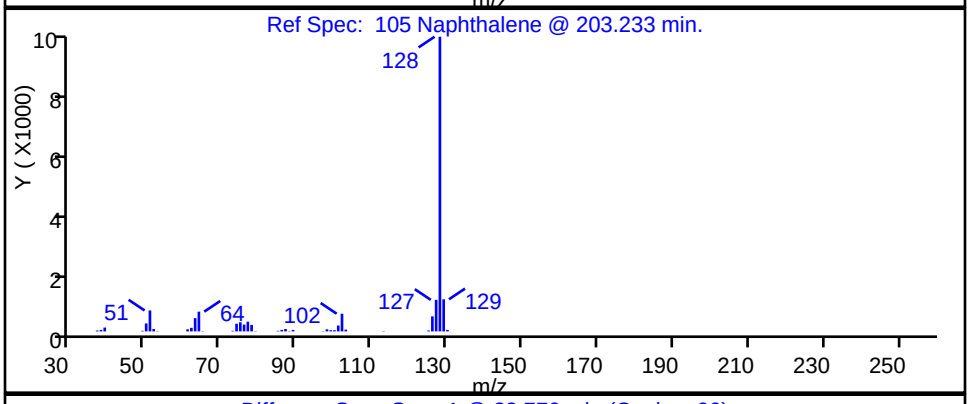
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_015.d				
Injection Date:	10-Sep-2015 20:05:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-8	Lab Sample ID:	200-29580-8		
Client ID:	776VMP0201NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

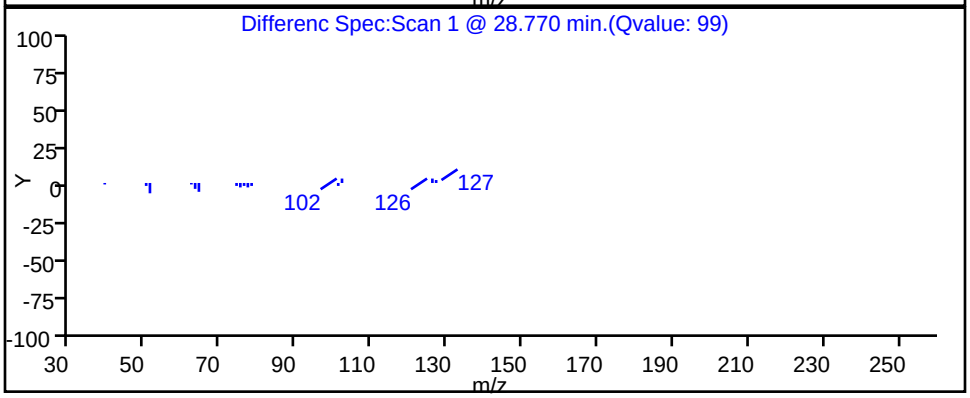
105 Naphthalene, CAS: 91-20-3











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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0301NA Lab Sample ID: 200-29580-9

Matrix: Air Lab File ID: 15679_016.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 20:54

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.53		0.50	0.056
75-45-6	Freon 22	86.47	1.7		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.32	J	0.50	0.060
106-97-8	n-Butane	58.12	0.49	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.045
76-13-1	Freon TF	187.38	0.072	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	11		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	12		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.30	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.16	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.23	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.11	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.2		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.096	J M	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.033	J	0.20	0.030
110-82-7	Cyclohexane	84.16	0.23	M	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.097	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.088	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0301NA | Lab Sample ID: 200-29580-9

Matrix: Air | Lab File ID: 15679_016.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 20:54

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.95		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.27	J	0.50	0.18
108-88-3	Toluene	92.14	0.26		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.066	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.16	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.060	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.22	J	0.70	0.041
100-42-5	Styrene	104.15	0.082	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.047	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.039	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0301NA Lab Sample ID: 200-29580-9

Matrix: Air Lab File ID: 15679_016.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 20:54

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.058	J	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0301NA | Lab Sample ID: 200-29580-9

Matrix: Air | Lab File ID: 15679_016.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 20:54

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.28
75-45-6	Freon 22	86.47	6.0		1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.67	J	1.0	0.12
106-97-8	n-Butane	58.12	1.2	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.25
76-13-1	Freon TF	187.38	0.55	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	27		12	1.6
67-63-0	Isopropyl alcohol	60.10	29		12	0.37
75-15-0	Carbon disulfide	76.14	0.93	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.57	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.69	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.37	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	3.6		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.47	J M	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.18	J	1.1	0.16
110-82-7	Cyclohexane	84.16	0.81	M	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.61	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.28	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0301NA | Lab Sample ID: 200-29580-9

Matrix: Air | Lab File ID: 15679_016.d

Analysis Method: TO-15 | Date Collected: 08/31/2015 15:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 20:54

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	5.1		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	1.1	J	2.0	0.74
108-88-3	Toluene	92.14	1.0		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.29	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.71	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.26	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.96	J	3.0	0.18
100-42-5	Styrene	104.15	0.35	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.23	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.22	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776VMP0301NA Lab Sample ID: 200-29580-9

Matrix: Air Lab File ID: 15679_016.d

Analysis Method: TO-15 Date Collected: 08/31/2015 15:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 20:54

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.31	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Sample Type: Client
Inject. Date: 10-Sep-2015 20:54:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-016
Misc. Info.: 29580-9
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:10:52 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:10:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.410	4.415	-0.005	98	45601	0.5307	
3 Chlorodifluoromethane	51	4.484	4.485	-0.001	96	65880	1.70	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.998	4.998	0.000	98	7224	0.3239	
6 Butane	43	5.282	5.282	0.000	97	16069	0.4942	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.288	0.005	97	23059	0.2436	
20 1,1,2-Trichloro-1,2,2-trif	101	8.598	8.593	0.005	82	5149	0.0723	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.951	8.946	0.005	96	391683	11.3	
23 Carbon disulfide	76	9.165	9.166	-0.001	95	24716	0.2980	
24 Isopropyl alcohol	45	9.230	9.224	0.006	100	356074	11.9	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.925	9.931	-0.006	77	4433	0.1646	
28 2-Methyl-2-propanol	59	10.134	10.123	0.011	95	10829	0.2284	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.856	10.856	0.000	87	4606	0.1058	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.664	12.654	0.010	98	21279	1.22	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	73	266716	10.0	
41 Tetrahydrofuran	42		13.114				ND	
42 Chloroform	83	13.215	13.221	-0.006	18	6736	0.0958	M
43 Cyclohexane	84	13.520	13.520	0.005	96	11402	0.2343	M
44 1,1,1-Trichloroethane	97	13.547	13.536	0.011	77	2459	0.0325	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.788	13.788	0.000	33	7422	0.0970	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.264	14.259	0.006	93	9411	0.0875	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1249779	10.0	
53 Trichloroethene	95	15.478	15.484	-0.006	94	47889	0.9482	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88	16.195	16.200	-0.005	69	2171	0.1198	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.629	0.005	93	14882	0.2681	
65 Toluene	92	17.966	17.960	0.006	92	22627	0.2640	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43	19.276	19.266	0.010	96	6401	0.1166	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		0.2236	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1188517	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.903	20.903	0.000	96	12263	0.0658	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	99	12657	0.1640	
79 o-Xylene	106	21.807	21.807	0.000	96	4744	0.0596	
80 Styrene	104	21.839	21.839	0.000	92	10035	0.0824	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105		22.353				ND	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91		22.979				ND	
88 4-Ethyltoluene	105		23.144				ND	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105		23.235				ND	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	95	9464	0.0473	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.273	24.268	0.005	96	9932	0.0393	
96 1,3-Dichlorobenzene	146		24.337				ND	
97 1,4-Dichlorobenzene	146		24.487				ND	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.772	28.772	0.000	98	14147	0.0584	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

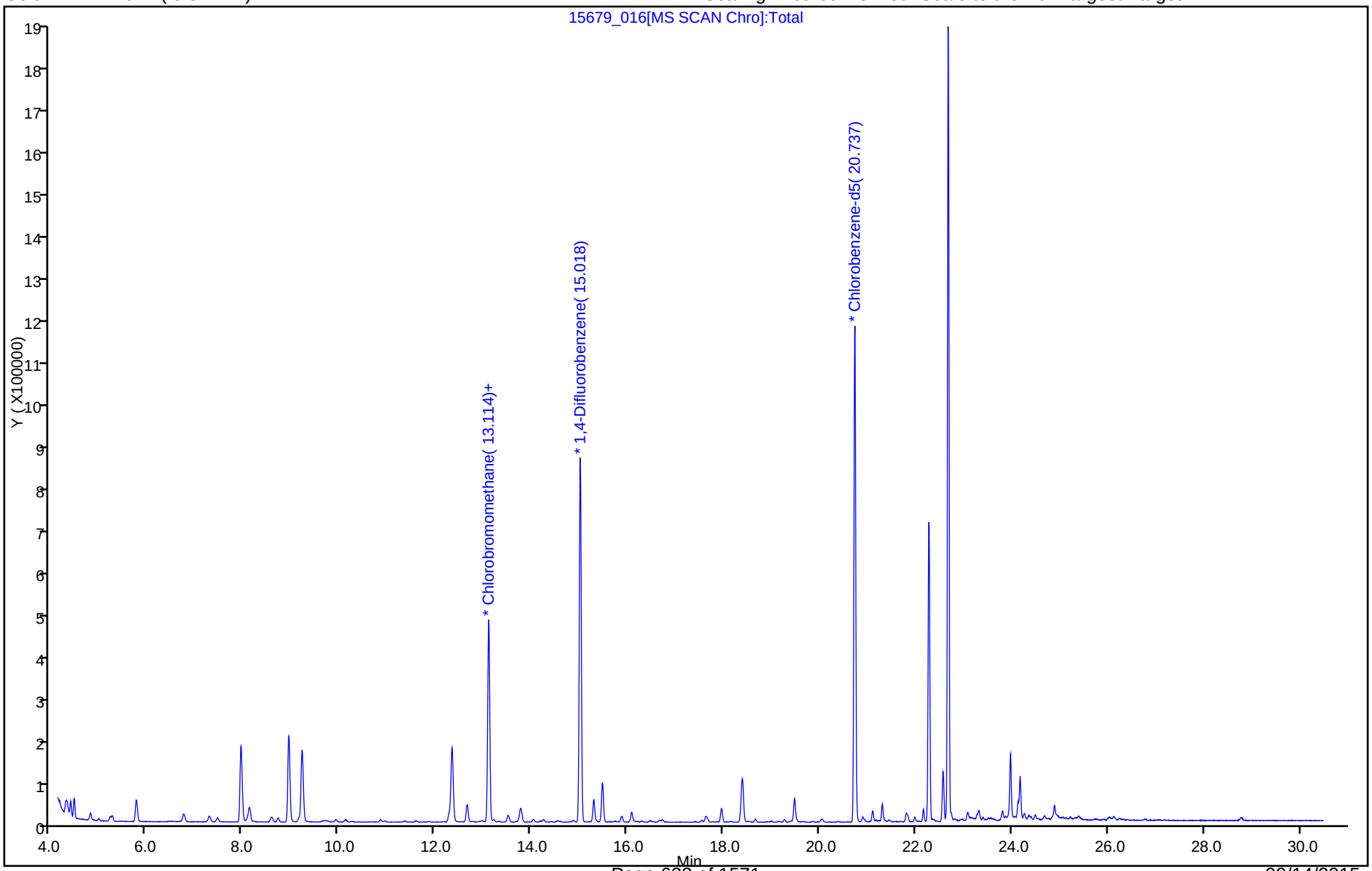
Report Date: 11-Sep-2015 11:10:52 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d

Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9	Worklist Smp#:	16
Client ID:	776VMP0301NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

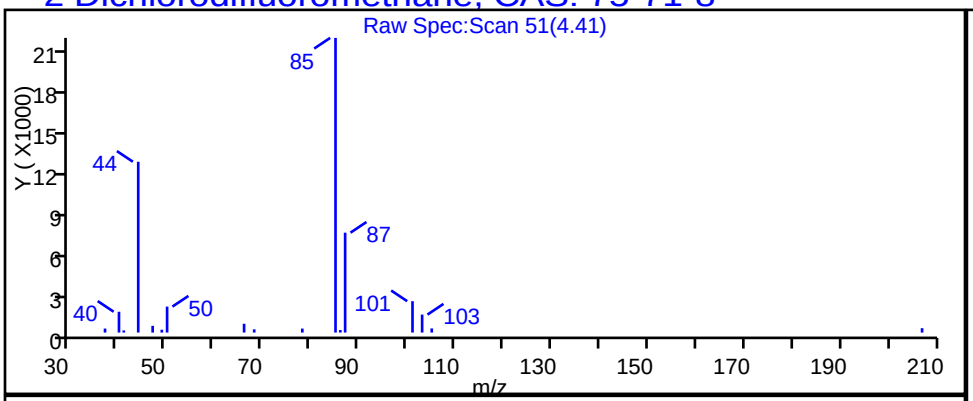
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

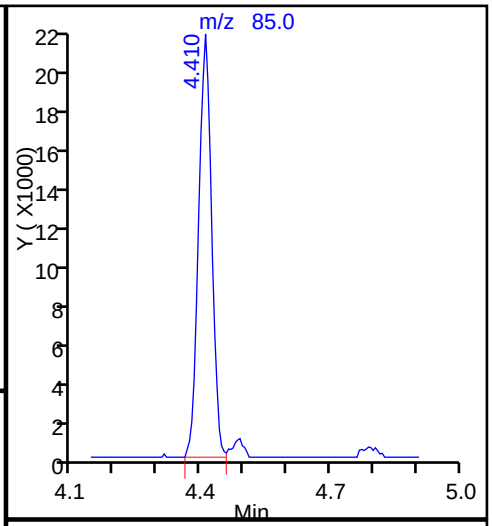


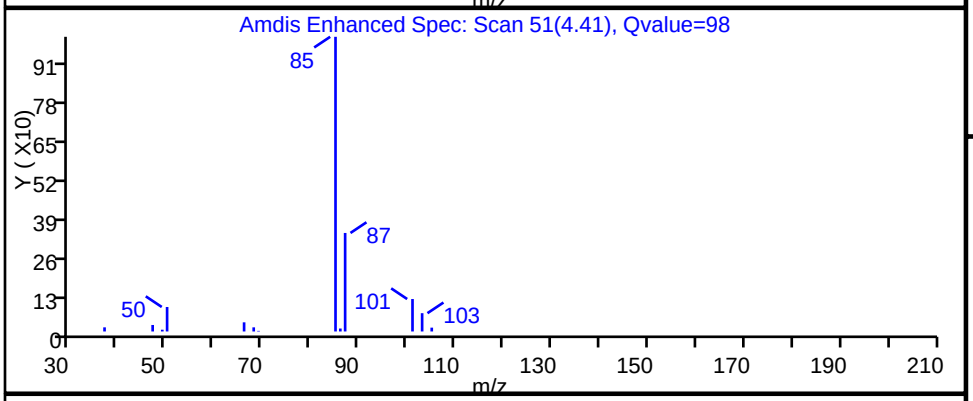
TestAmerica Burlington

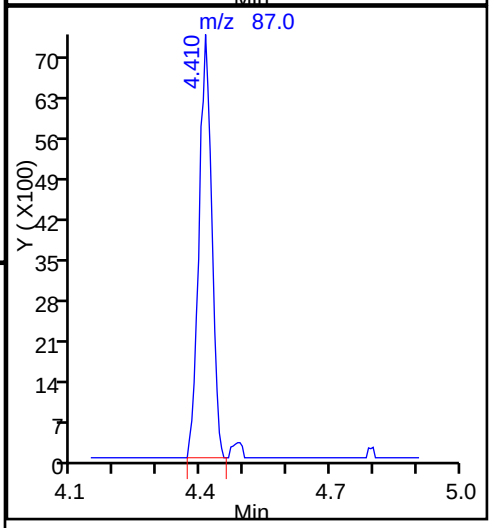
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

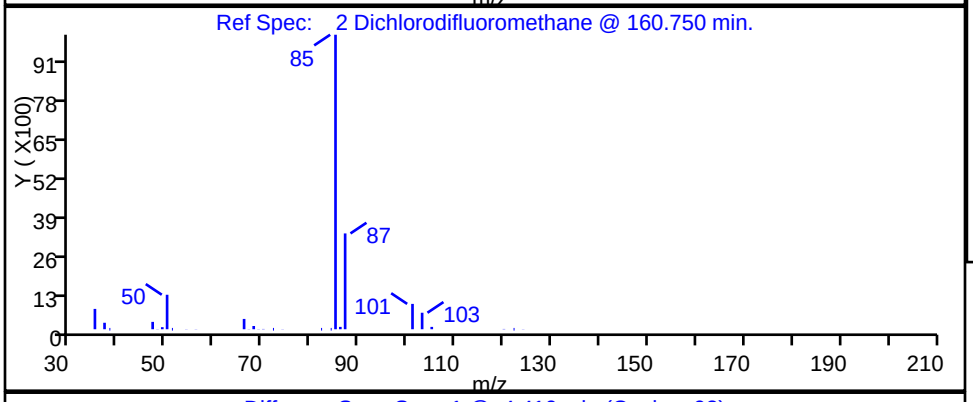
2 Dichlorodifluoromethane, CAS: 75-71-8

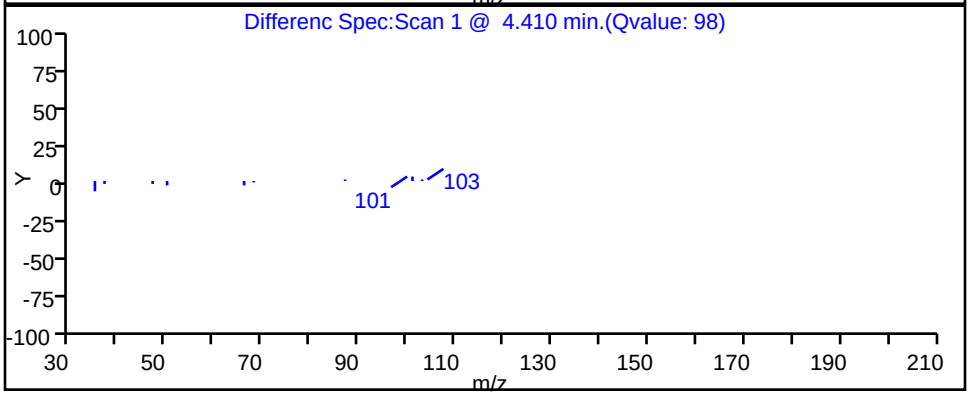






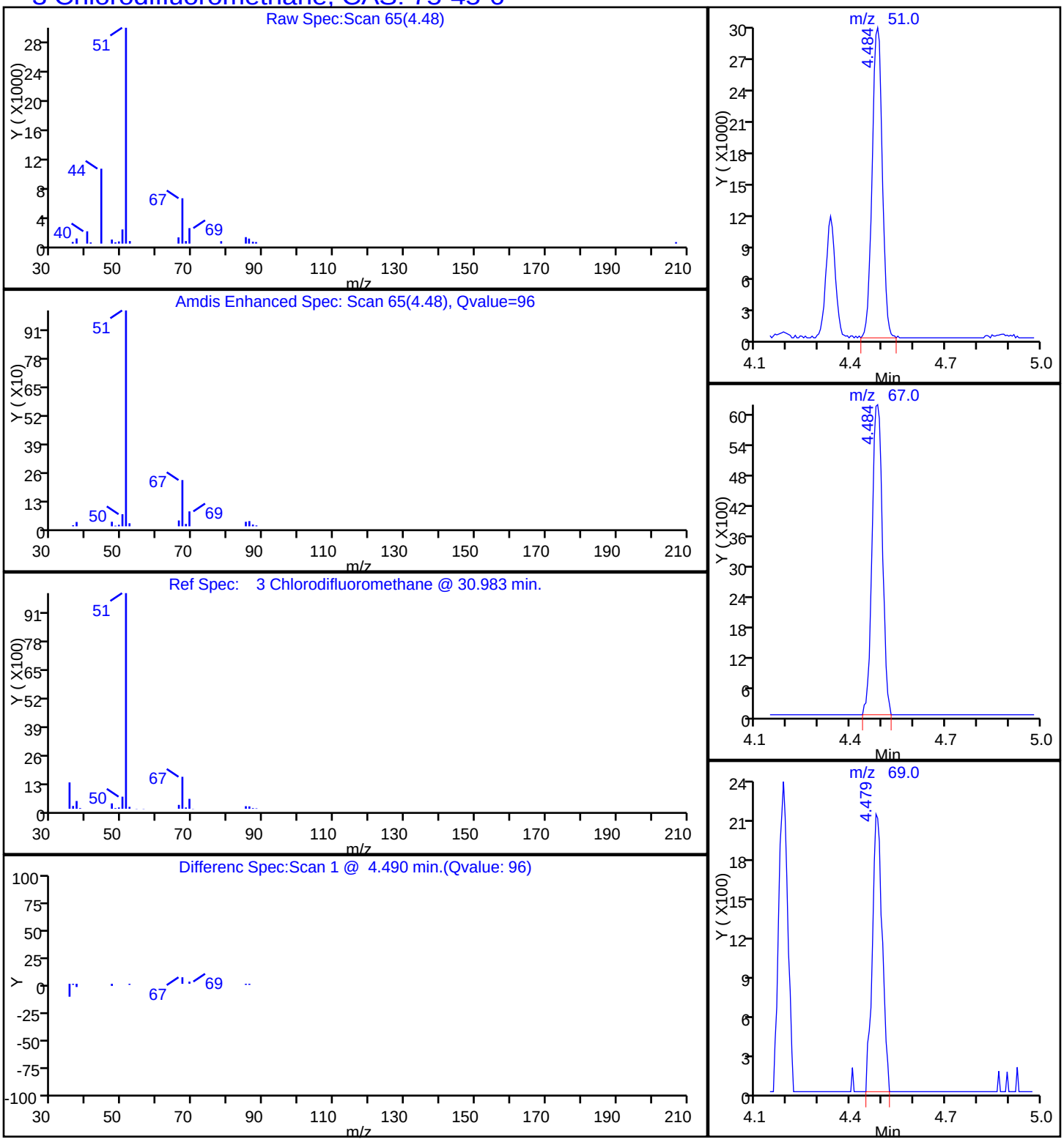






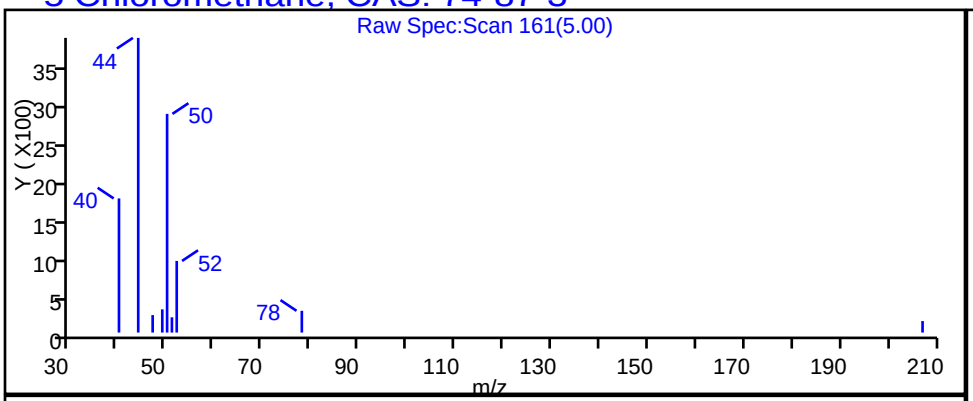
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

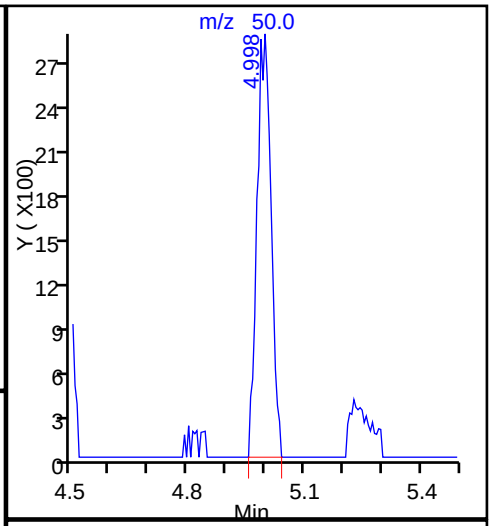
3 Chlorodifluoromethane, CAS: 75-45-6

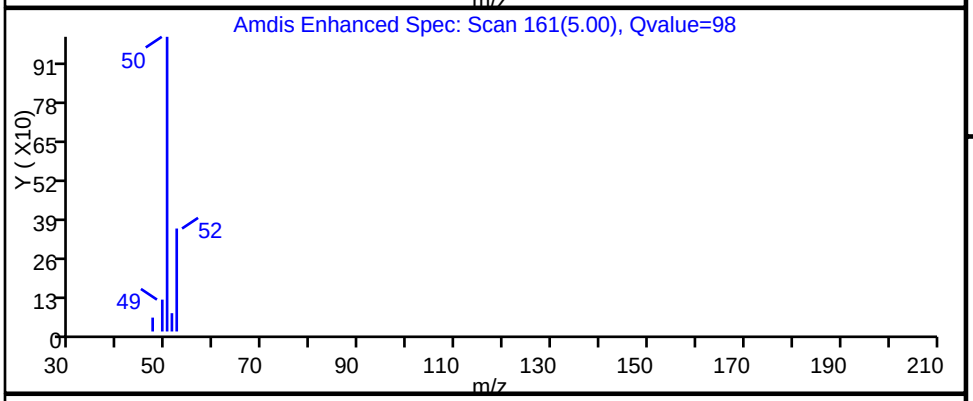


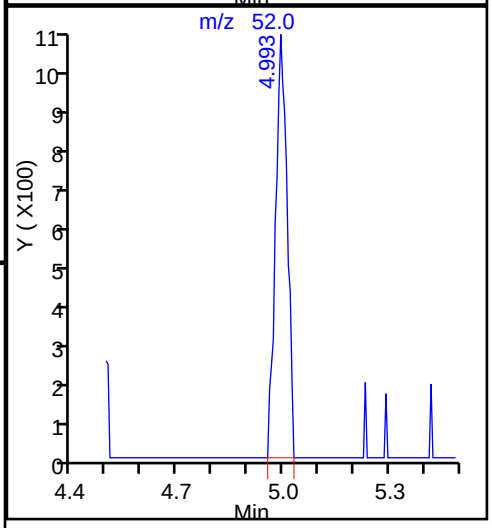
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

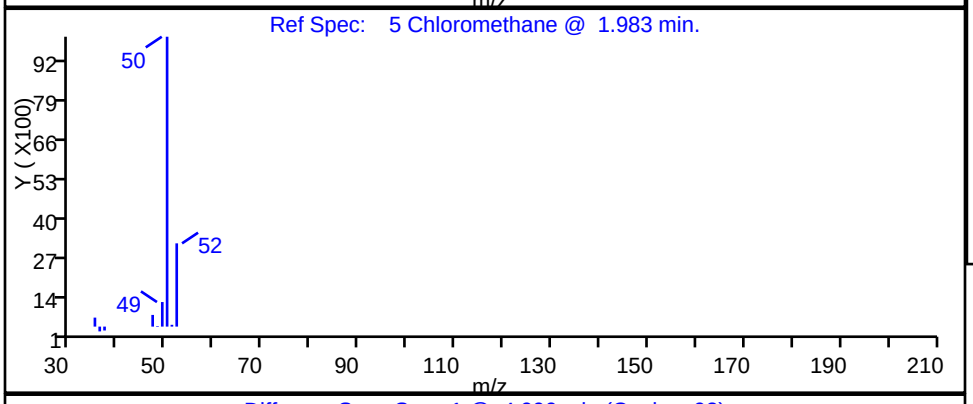
5 Chloromethane, CAS: 74-87-3

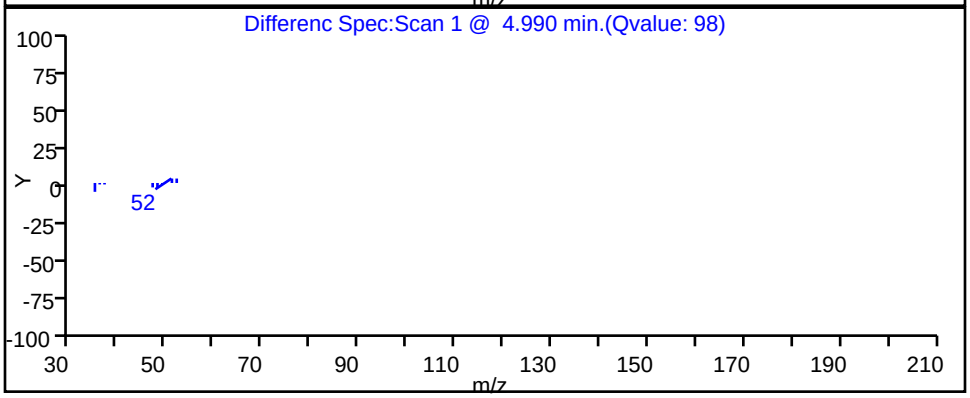






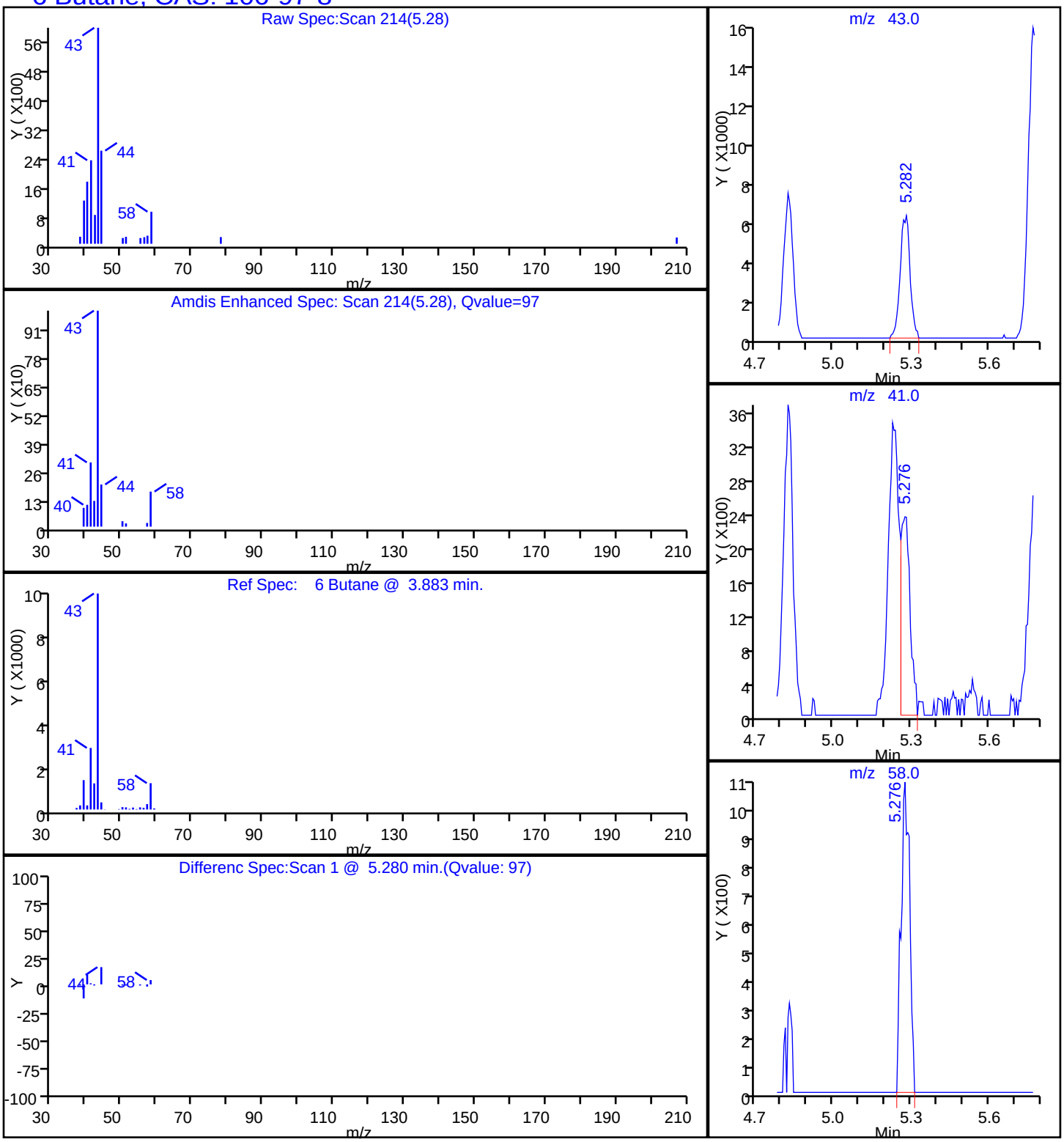






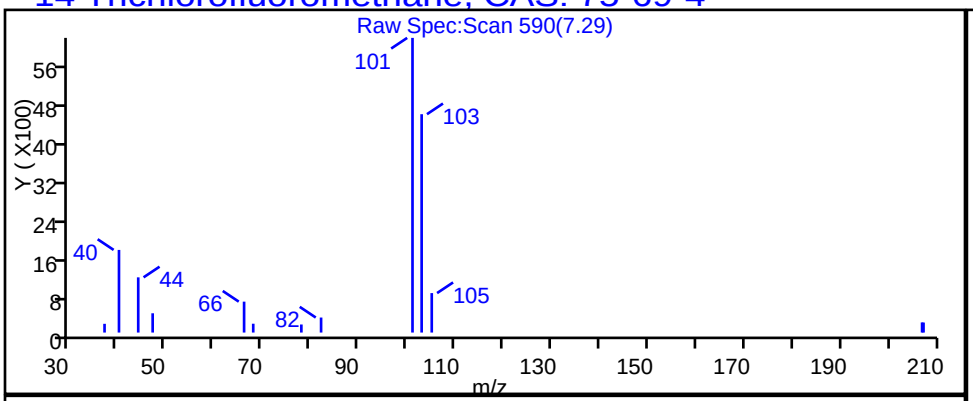
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

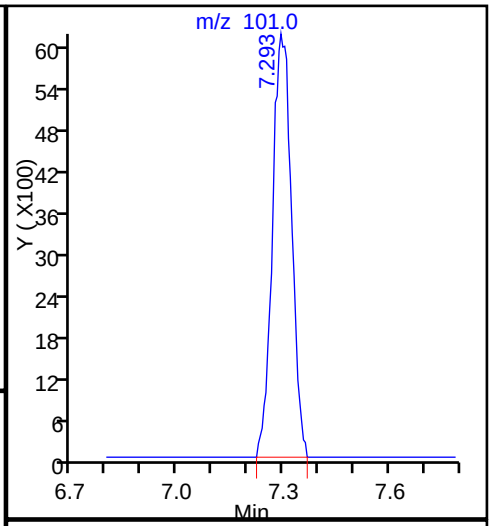
6 Butane, CAS: 106-97-8

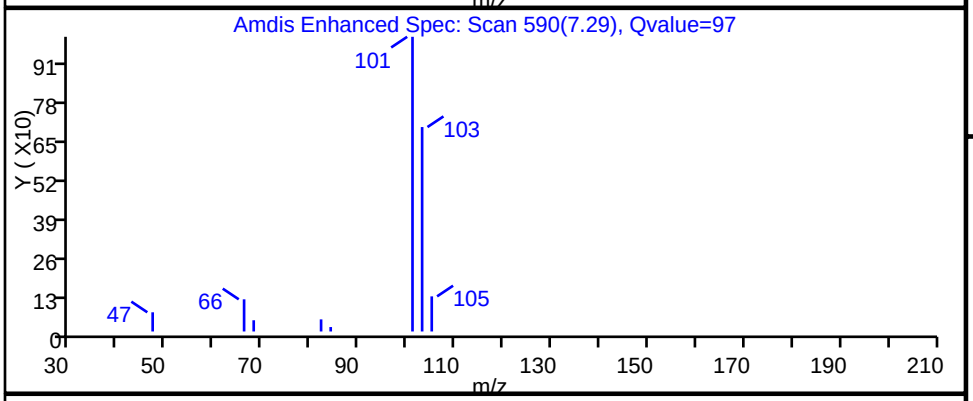


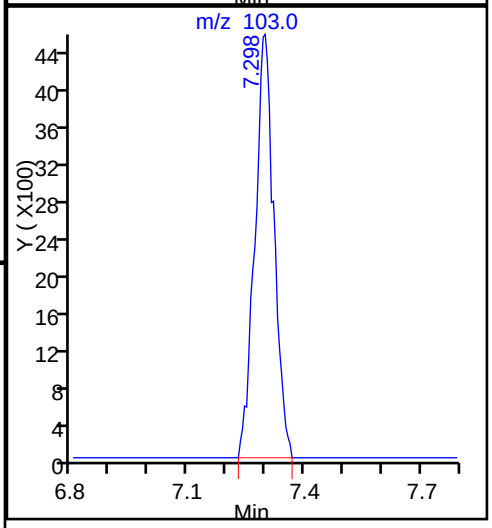
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

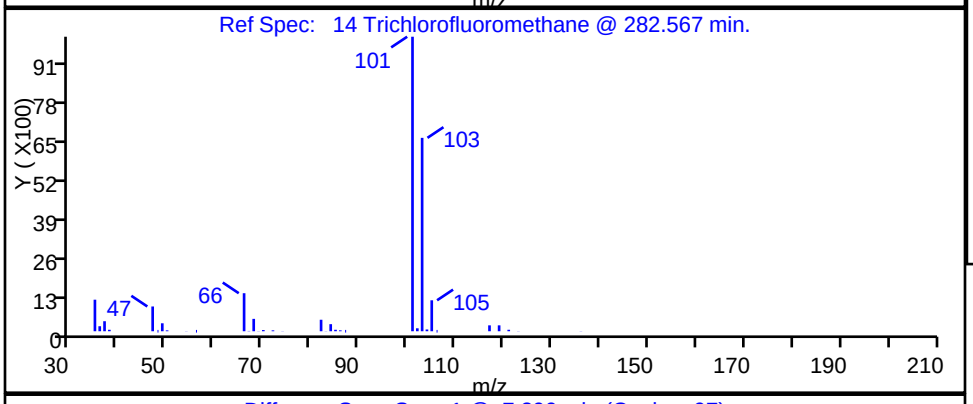
14 Trichlorofluoromethane, CAS: 75-69-4

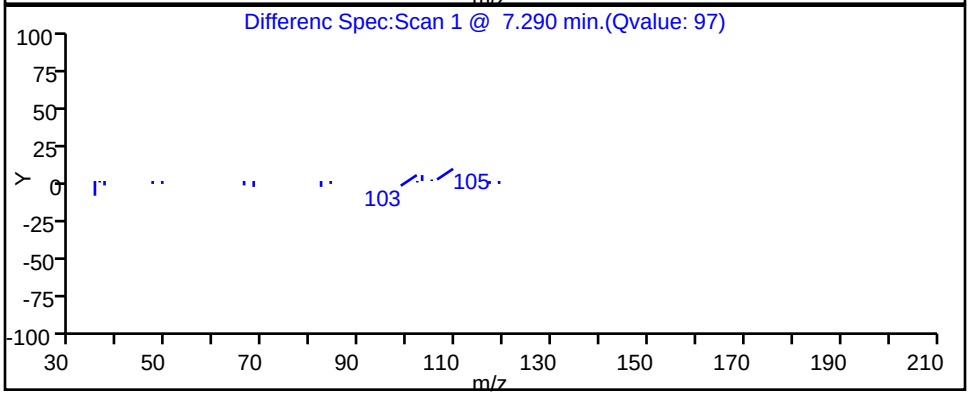






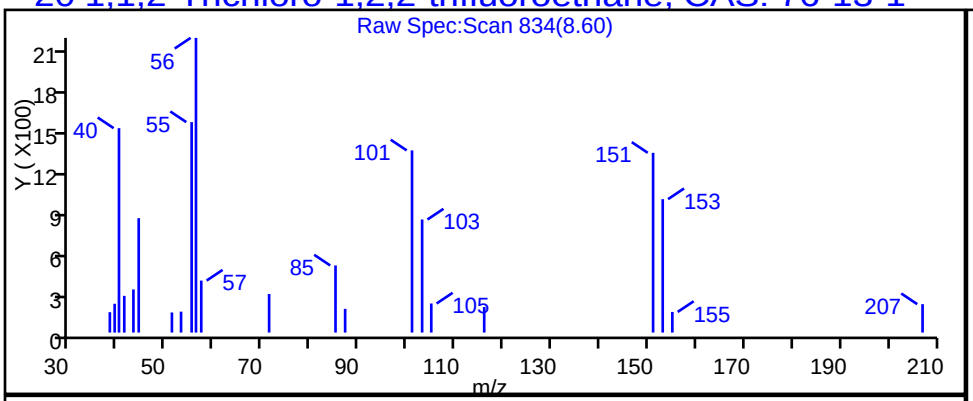


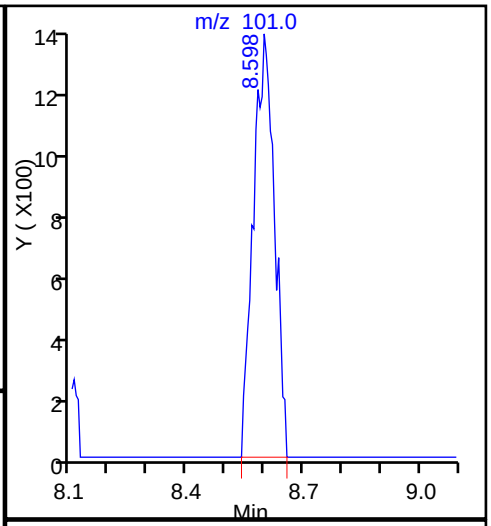


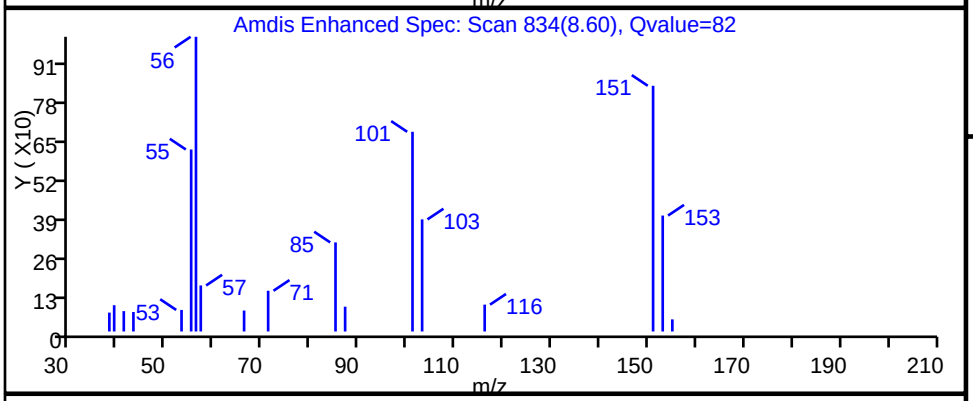


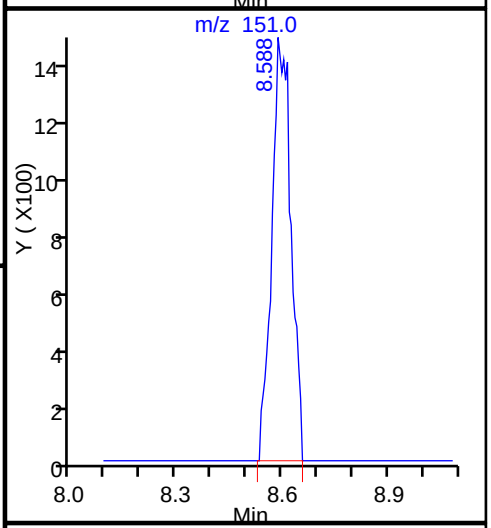
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

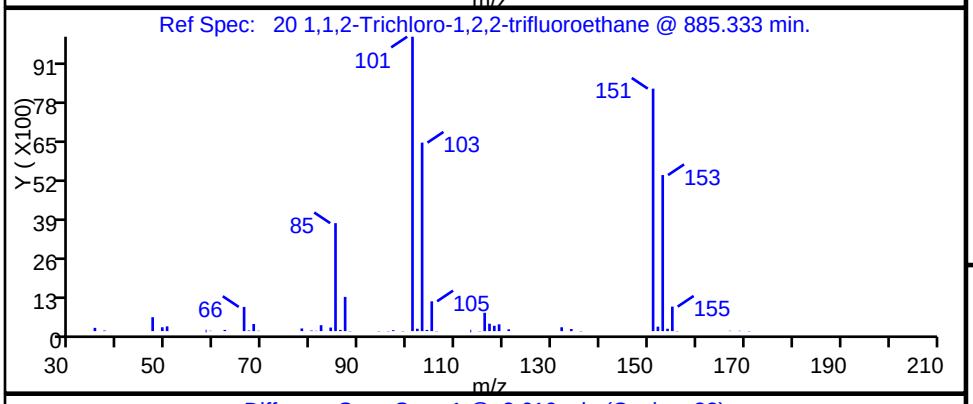
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

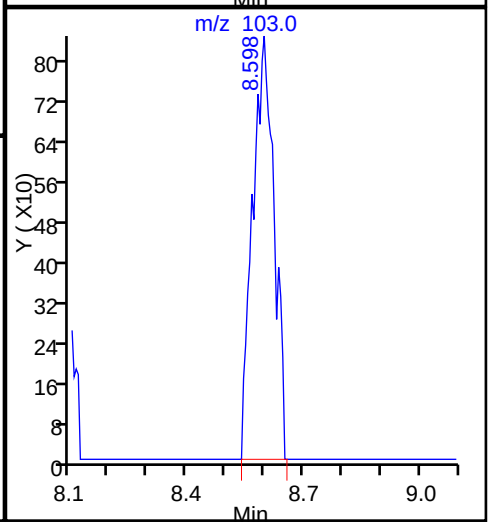


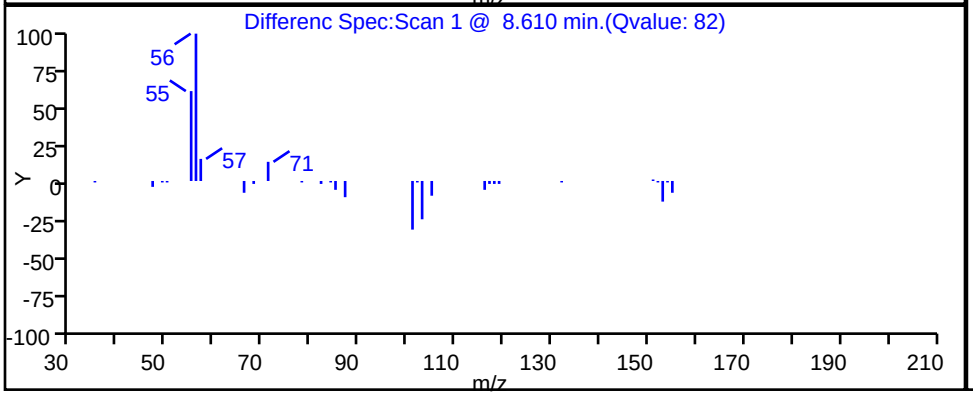








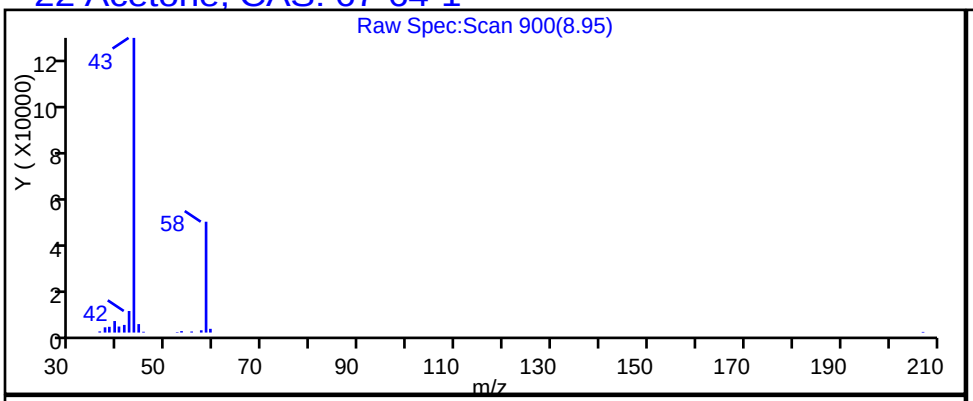


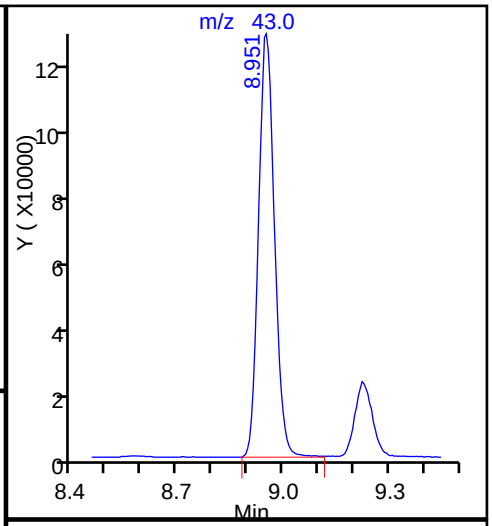


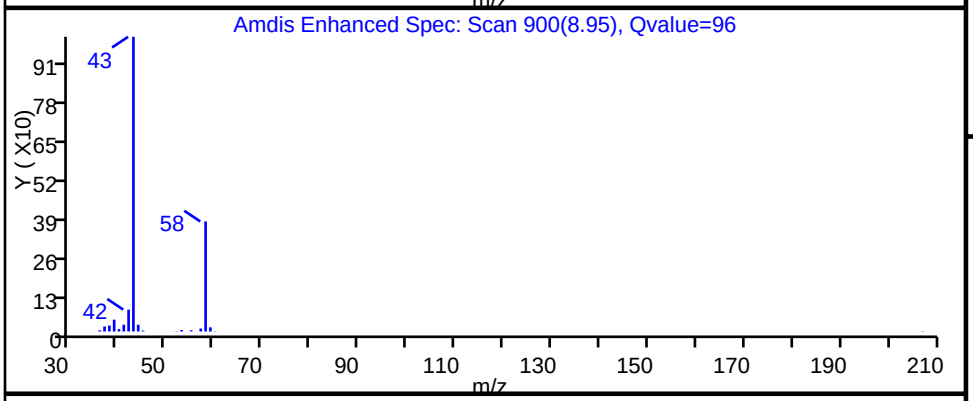
TestAmerica Burlington

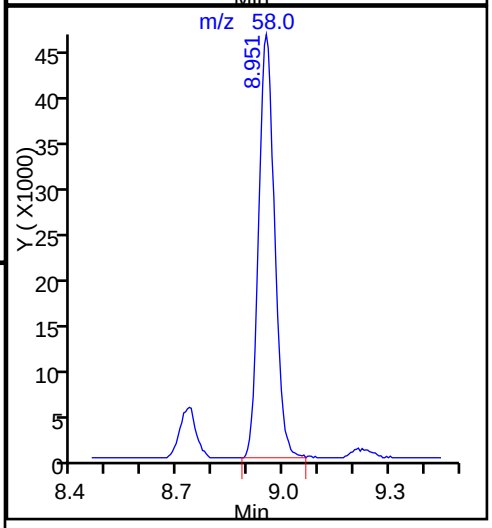
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

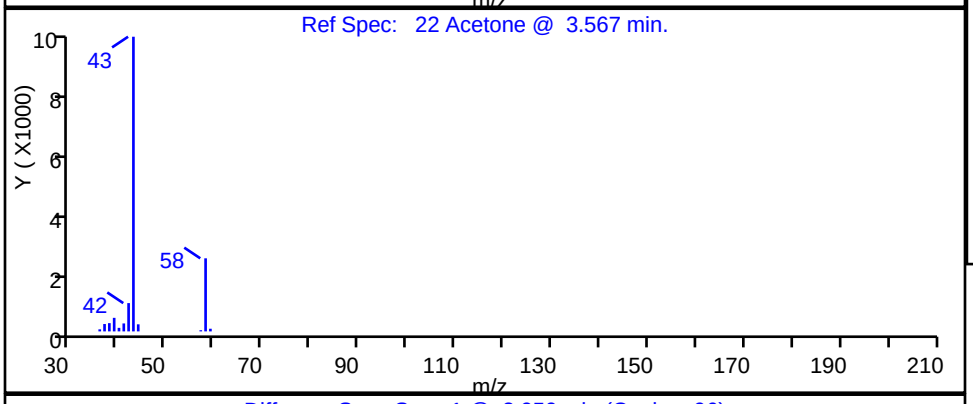
22 Acetone, CAS: 67-64-1

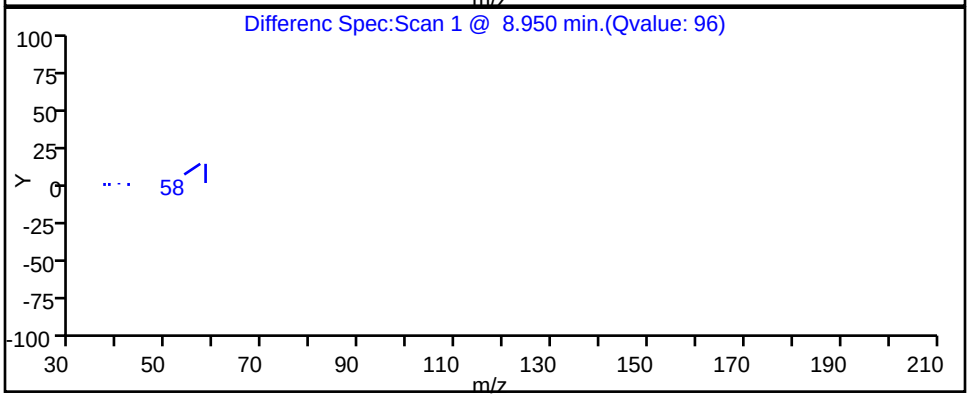








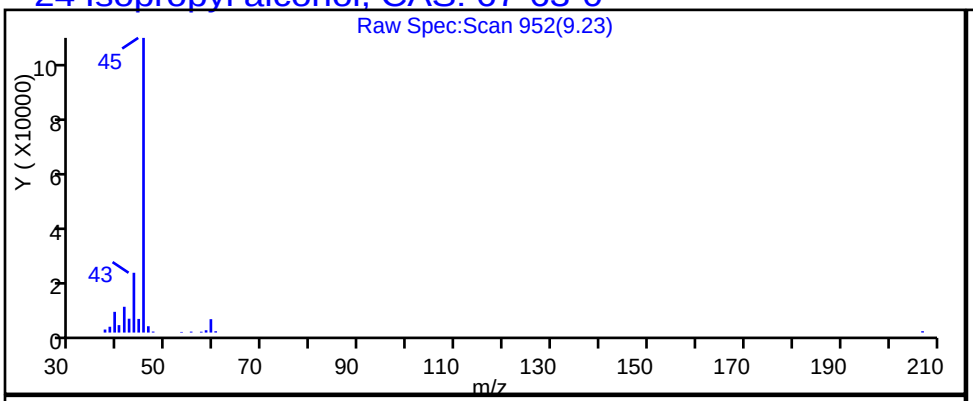


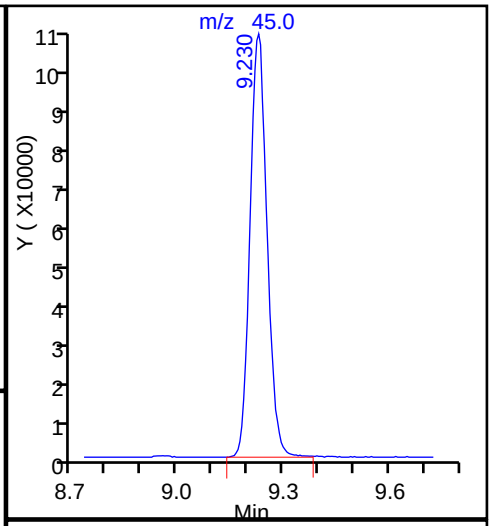


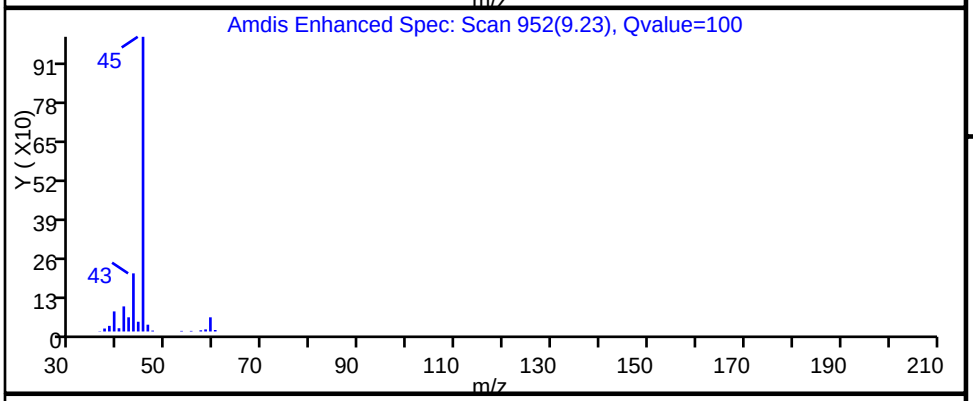
TestAmerica Burlington

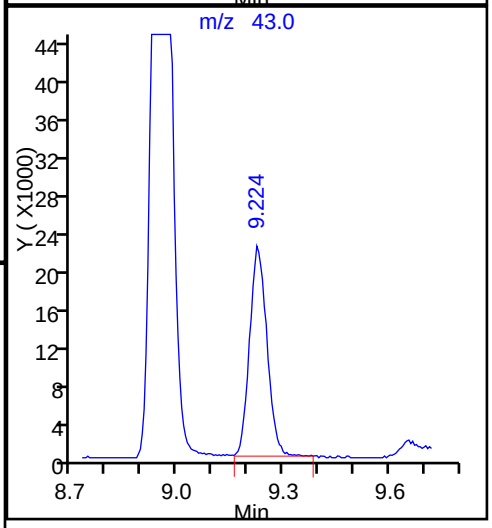
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

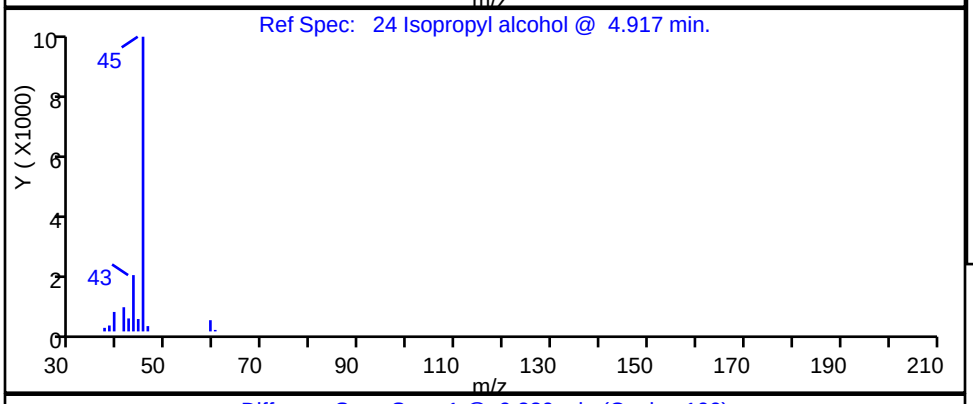
24 Isopropyl alcohol, CAS: 67-63-0

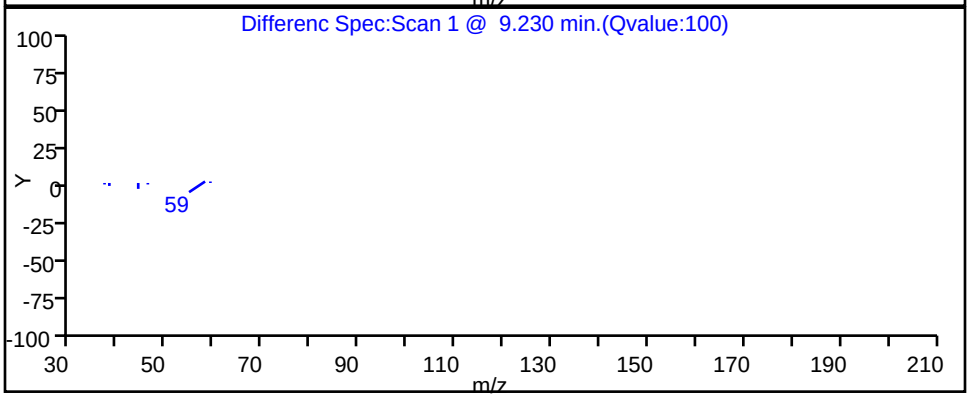








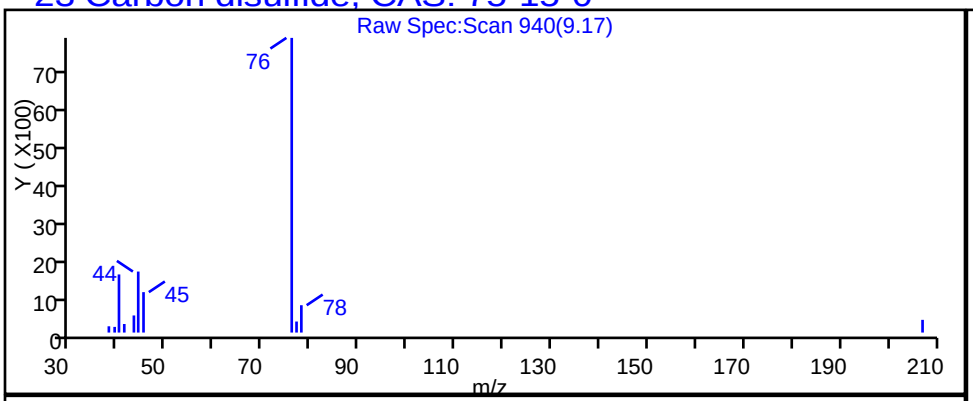


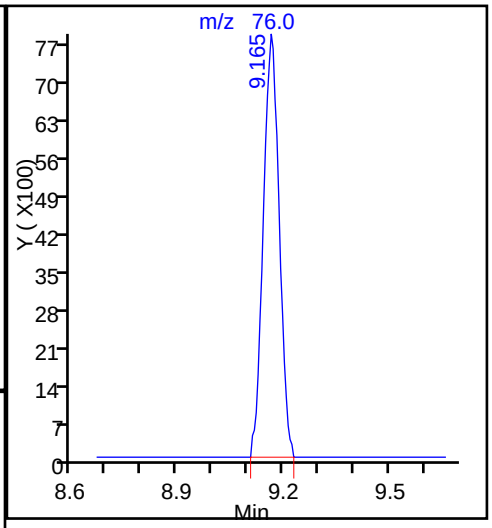


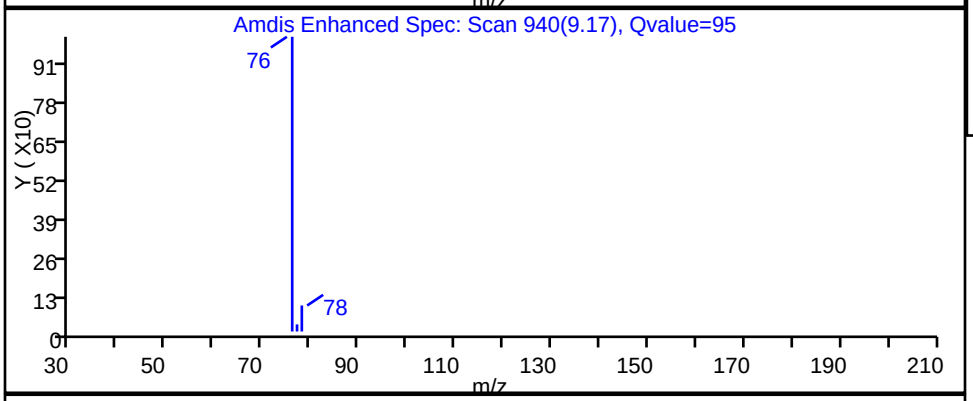
TestAmerica Burlington

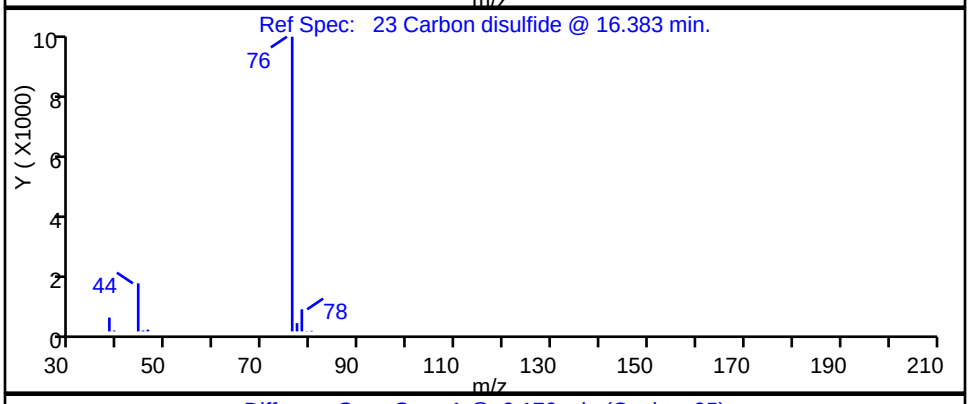
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

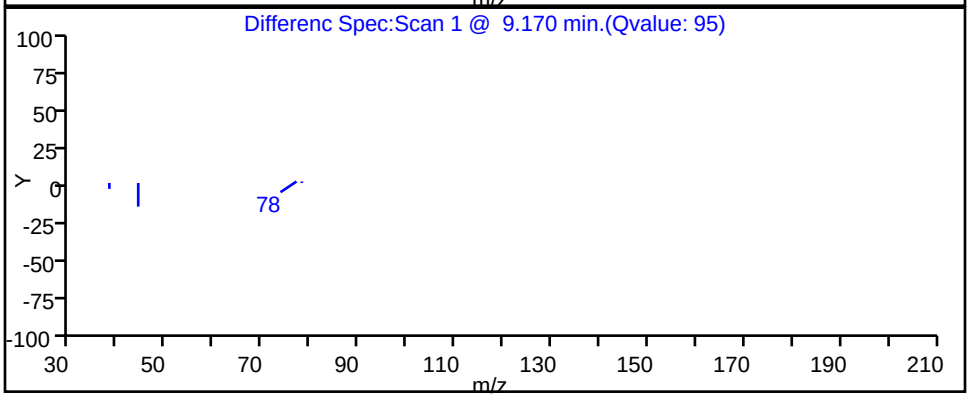
23 Carbon disulfide, CAS: 75-15-0











Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
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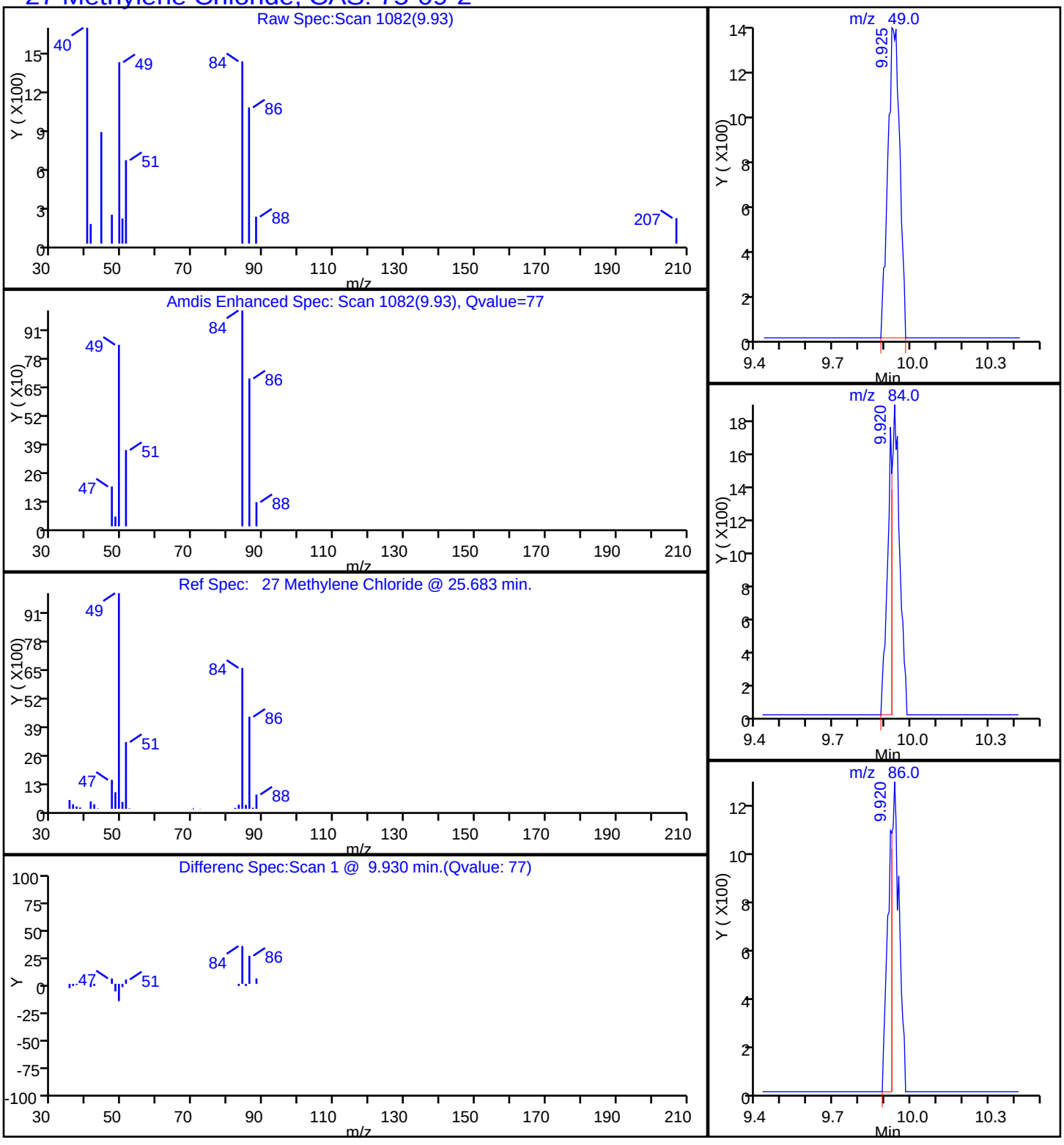
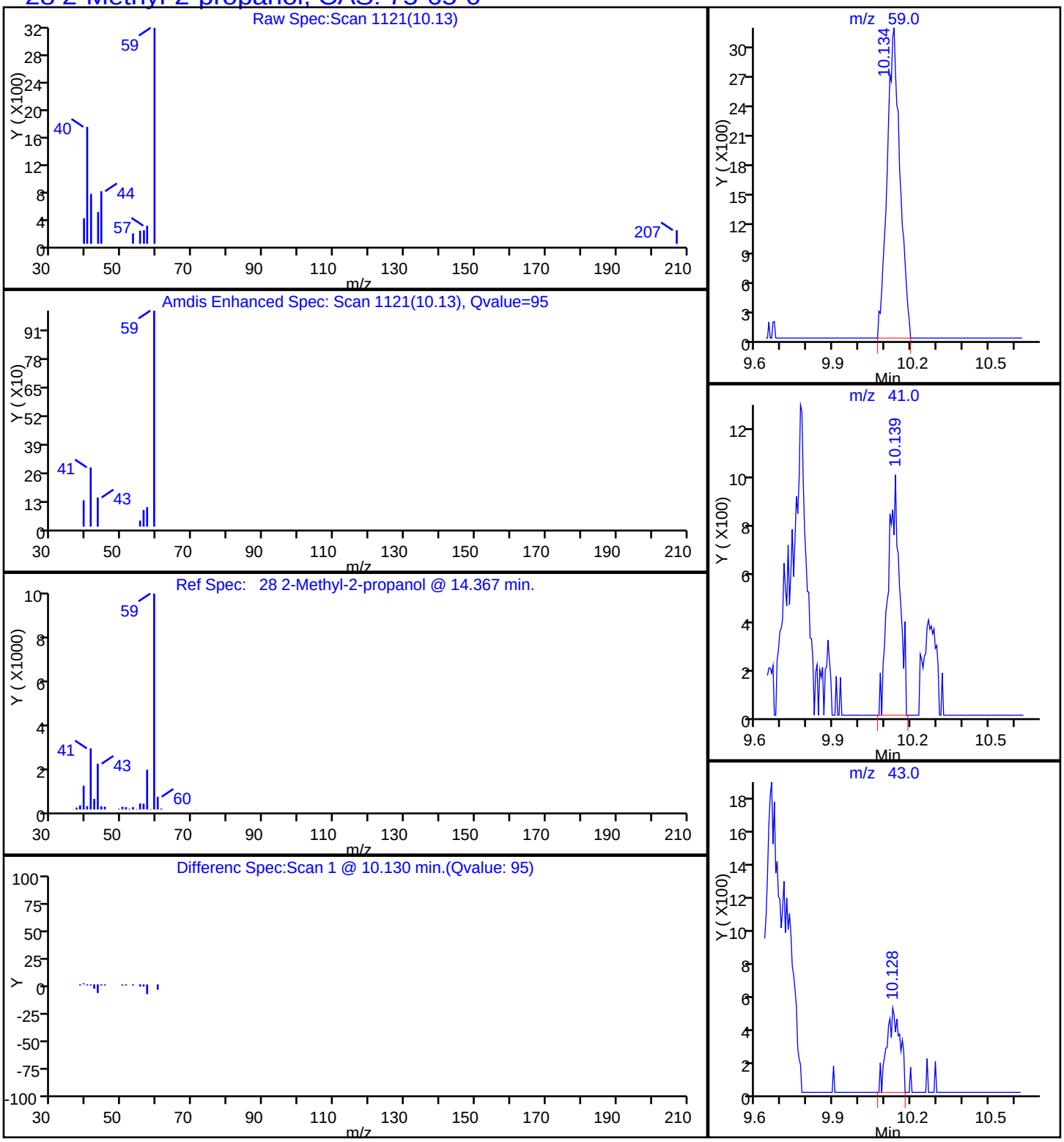
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

27 Methylene Chloride, CAS: 75-09-2



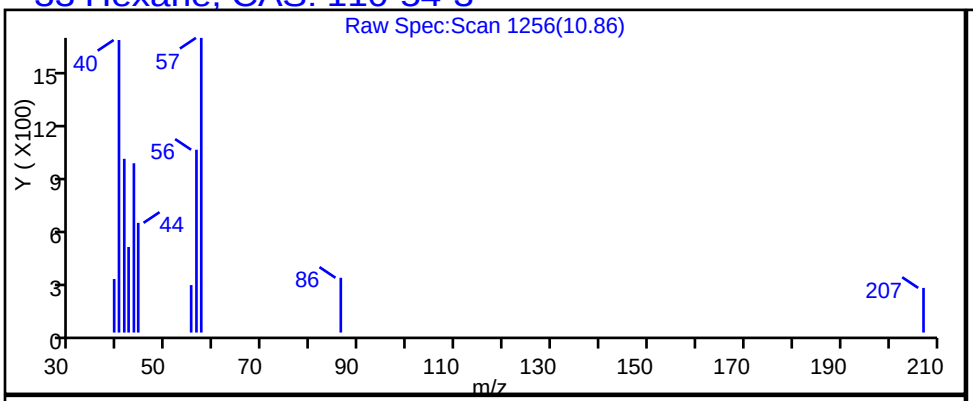
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

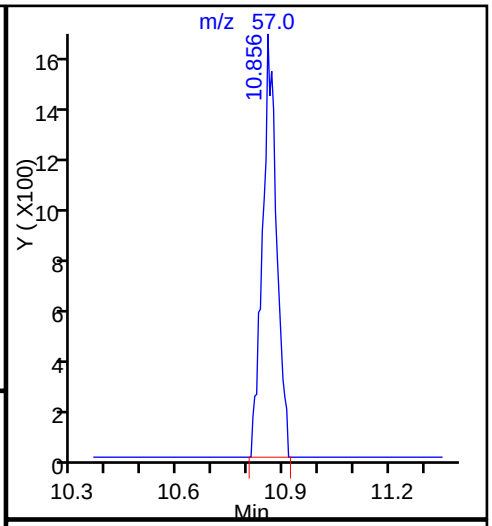
28 2-Methyl-2-propanol, CAS: 75-65-0

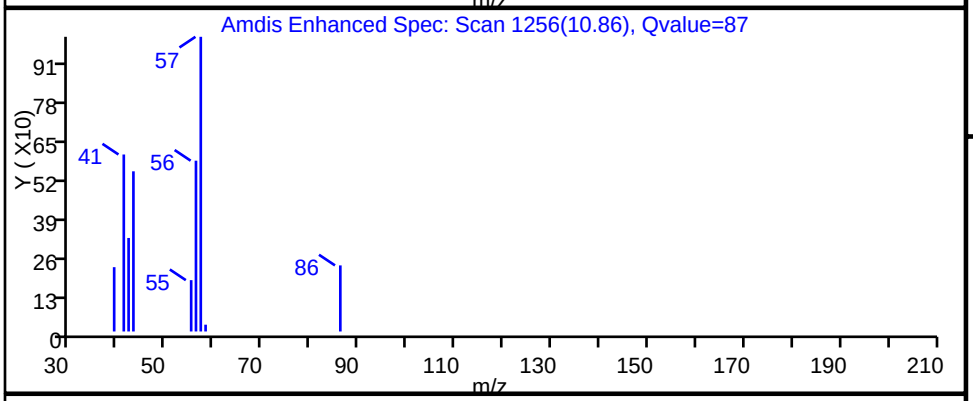


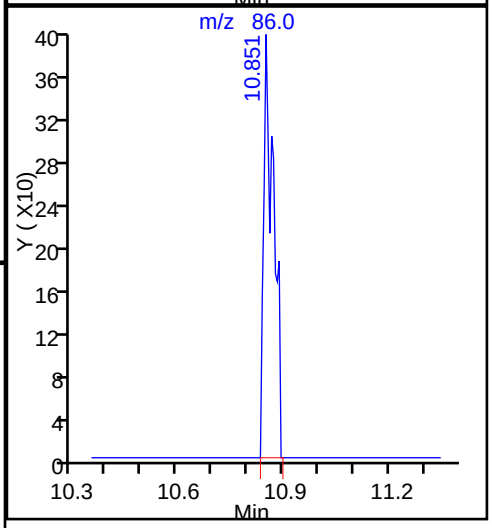
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

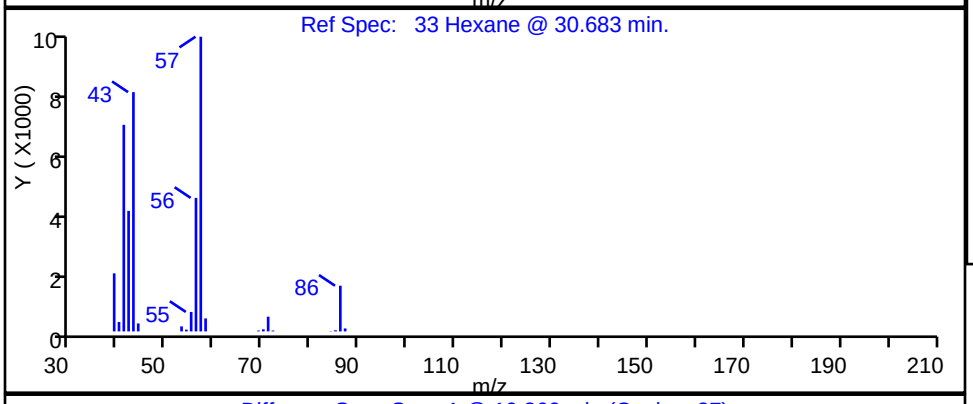
33 Hexane, CAS: 110-54-3

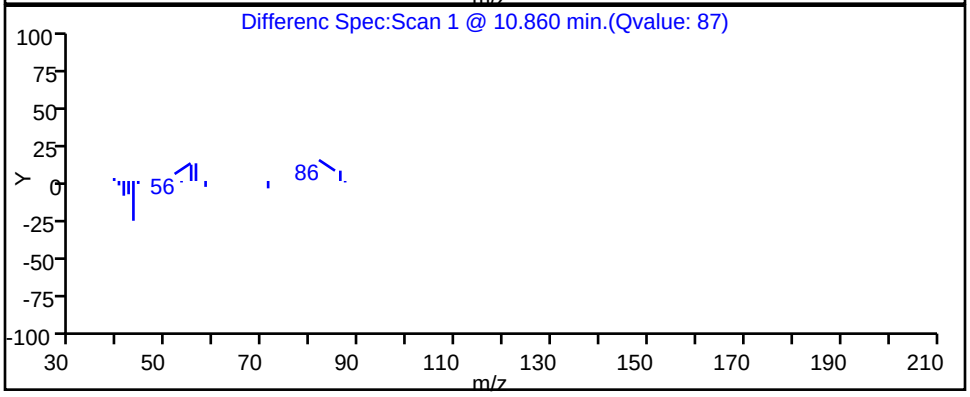






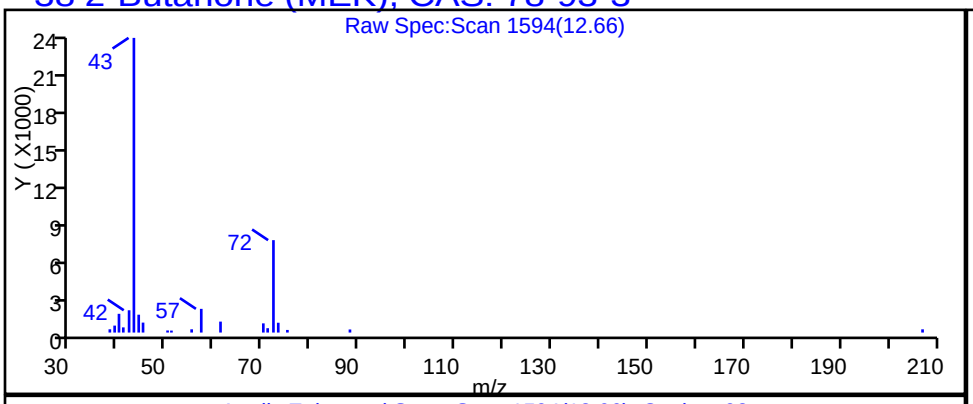


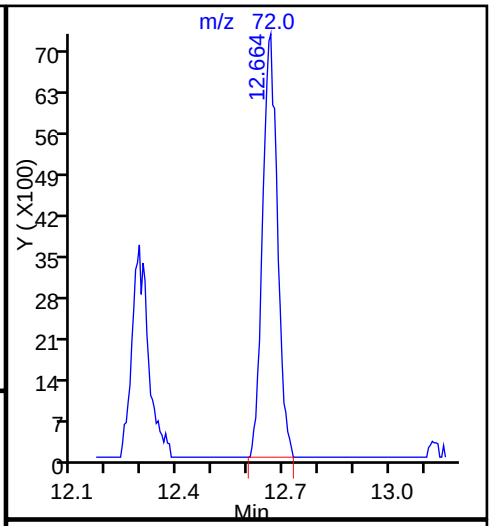


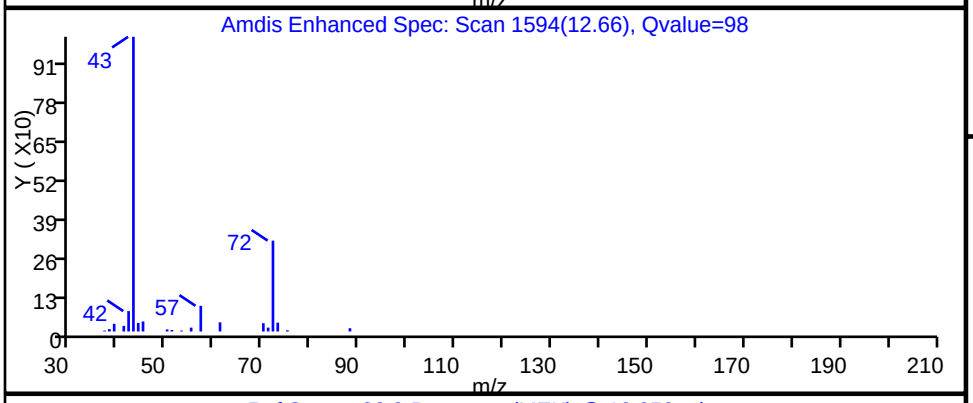


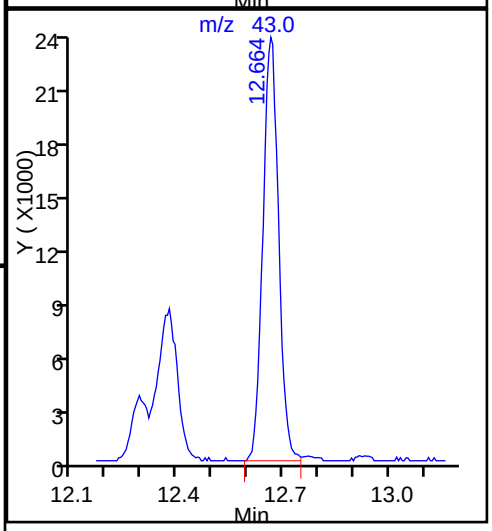
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

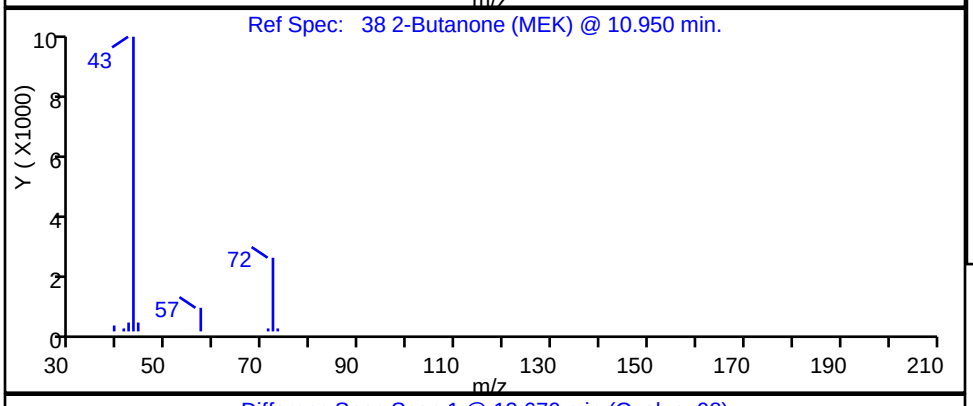
38 2-Butanone (MEK), CAS: 78-93-3

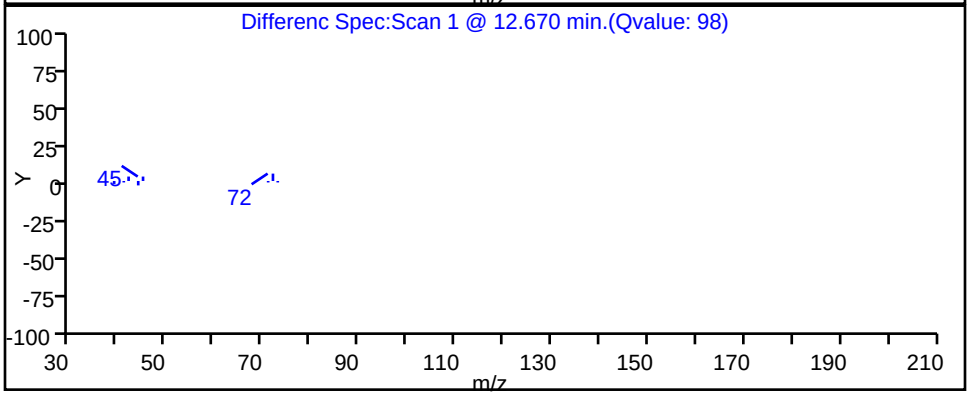








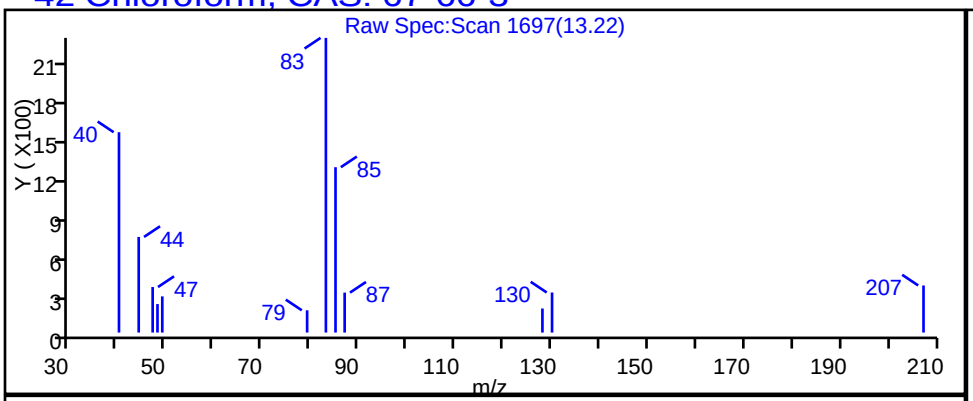


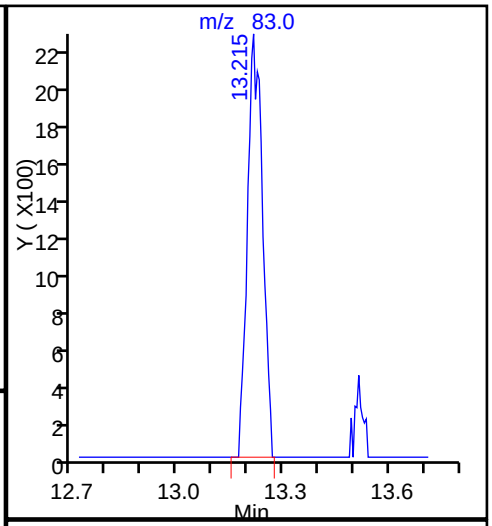


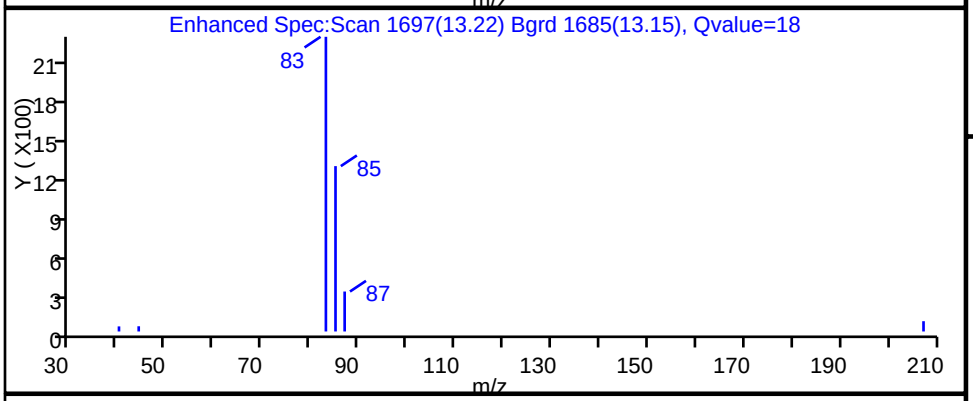
TestAmerica Burlington

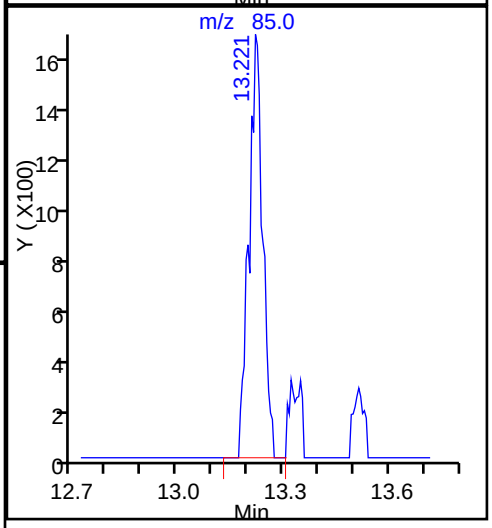
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

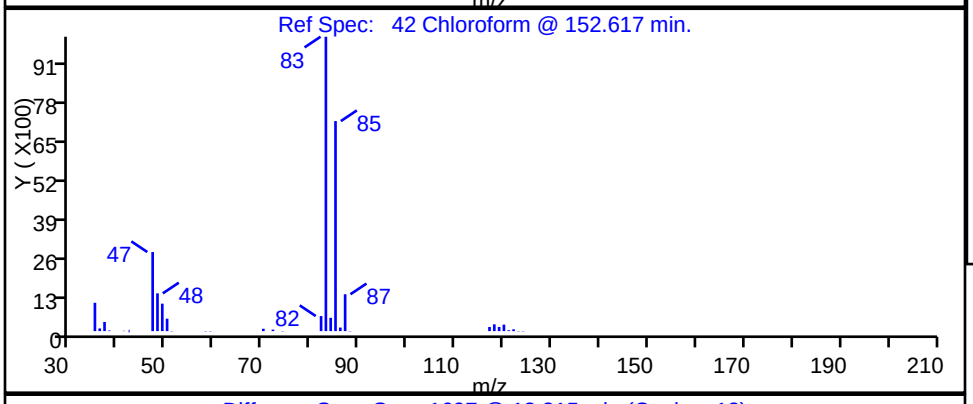
42 Chloroform, CAS: 67-66-3

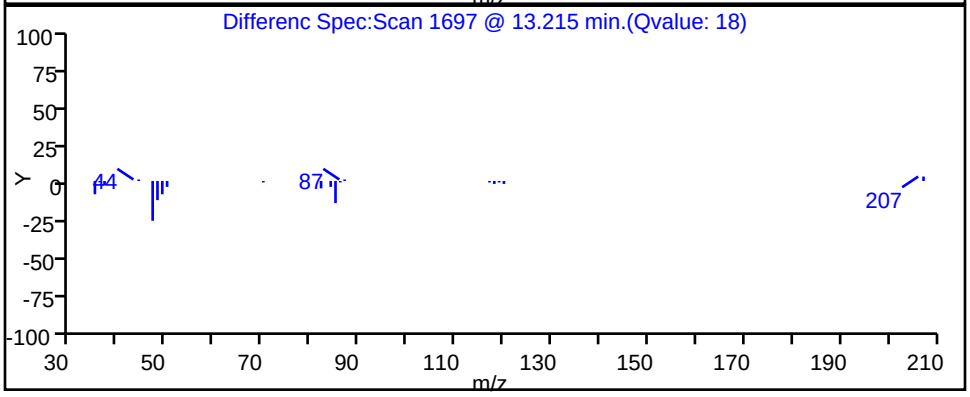








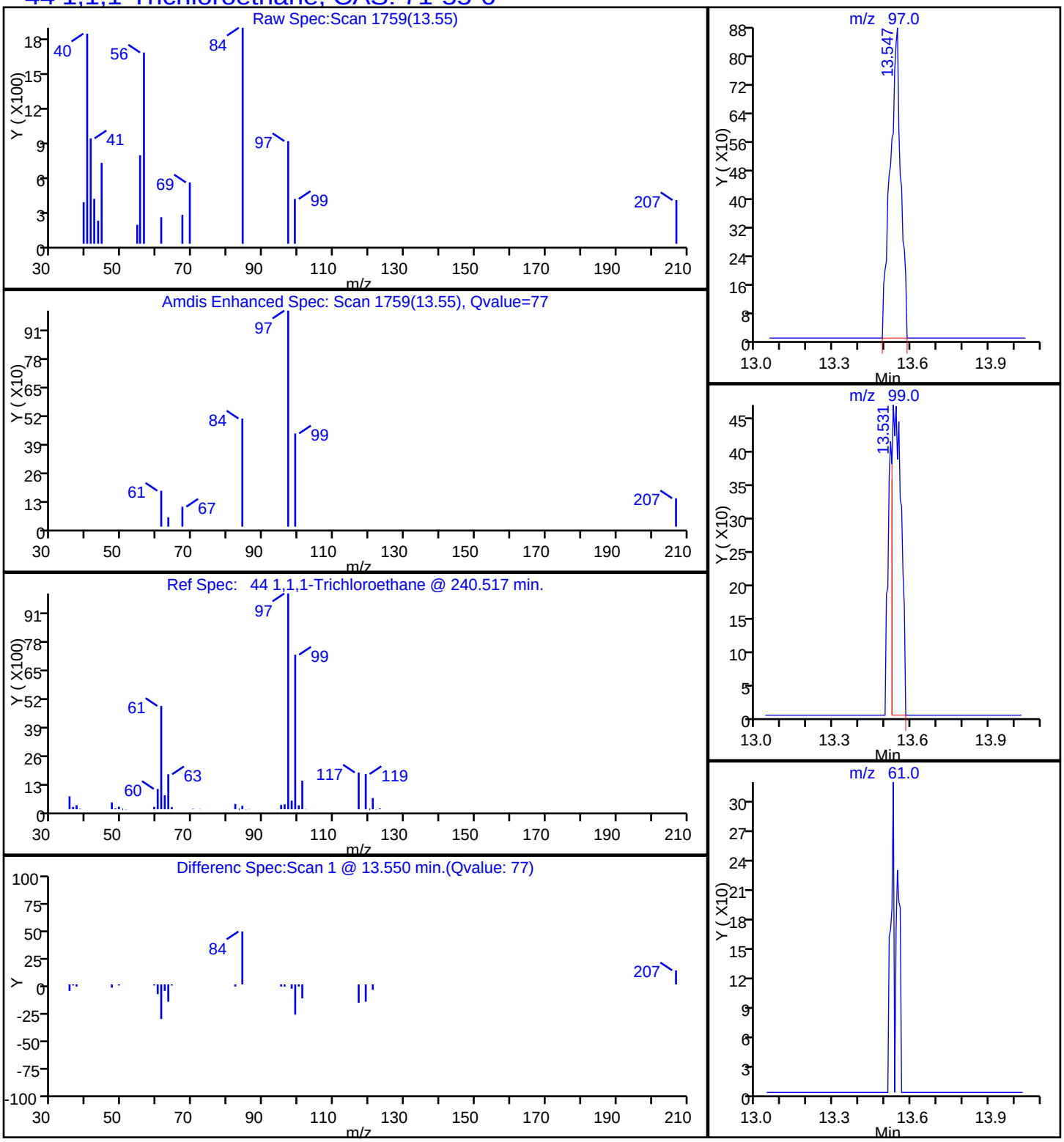




TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

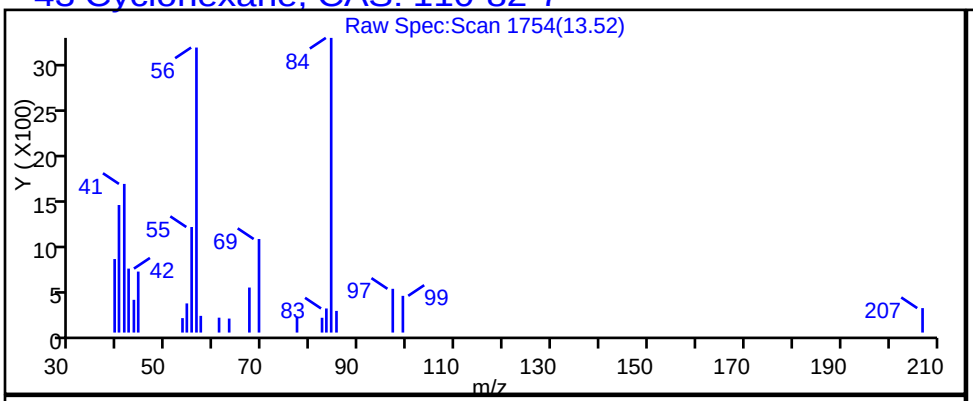
44 1,1,1-Trichloroethane, CAS: 71-55-6

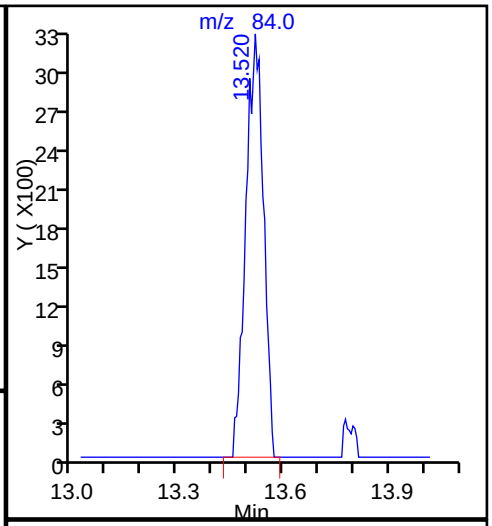


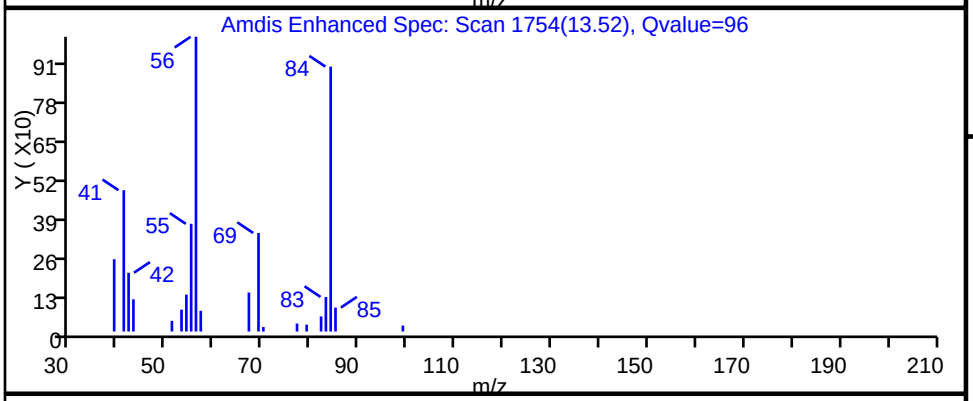
TestAmerica Burlington

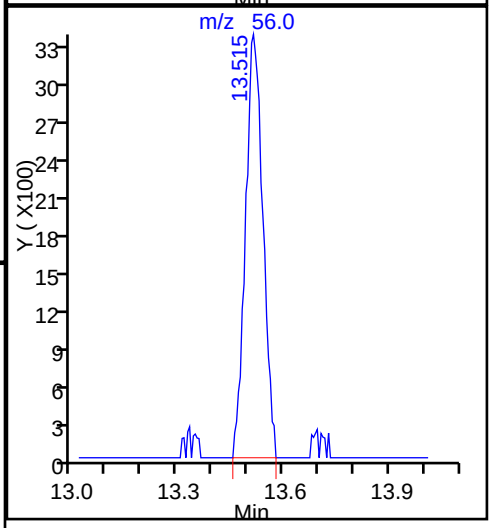
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

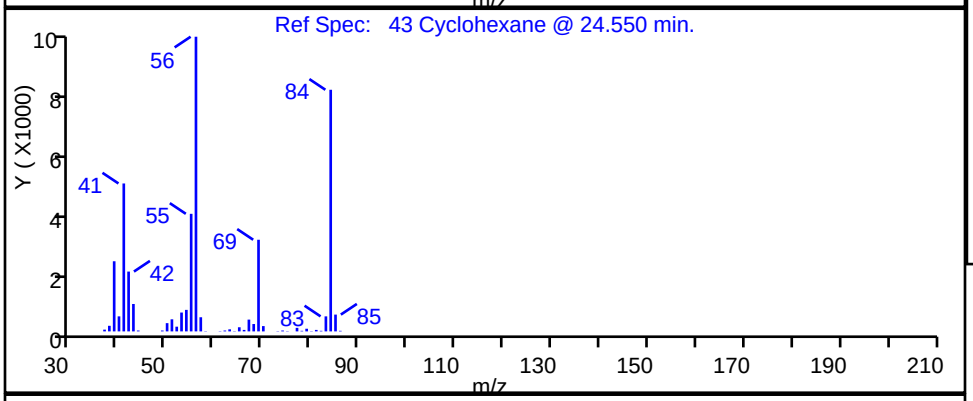
43 Cyclohexane, CAS: 110-82-7

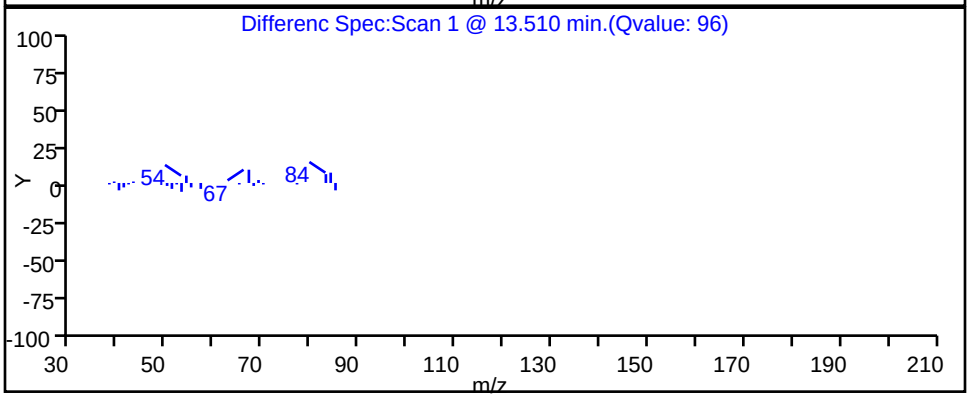






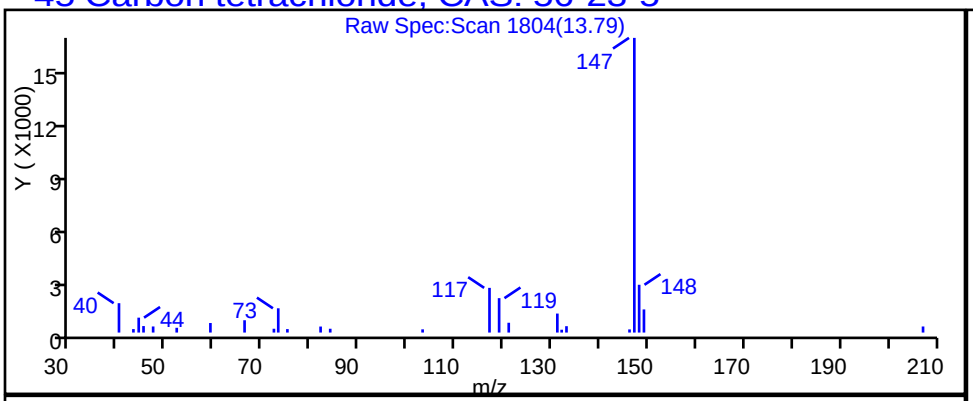


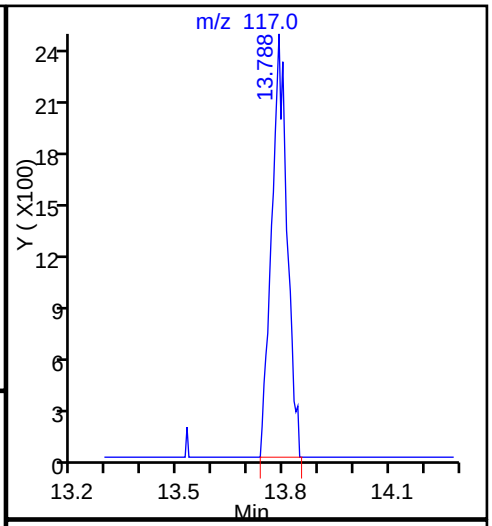


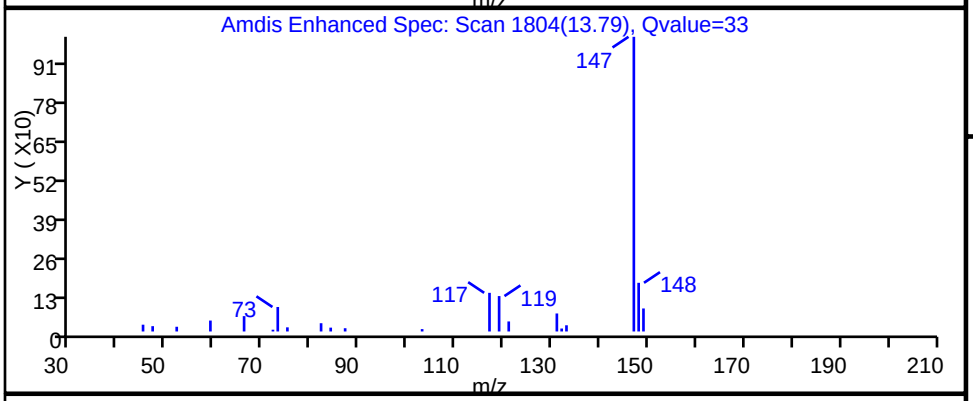


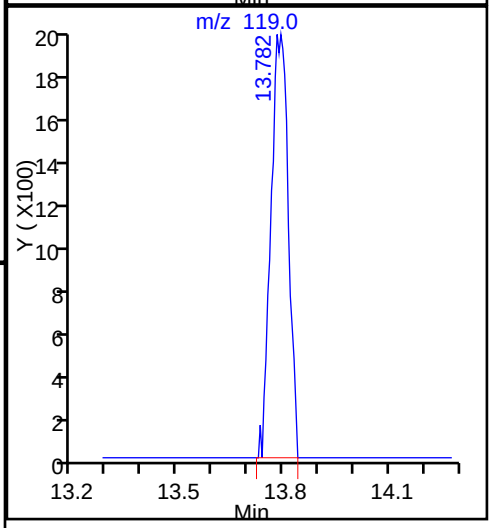
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

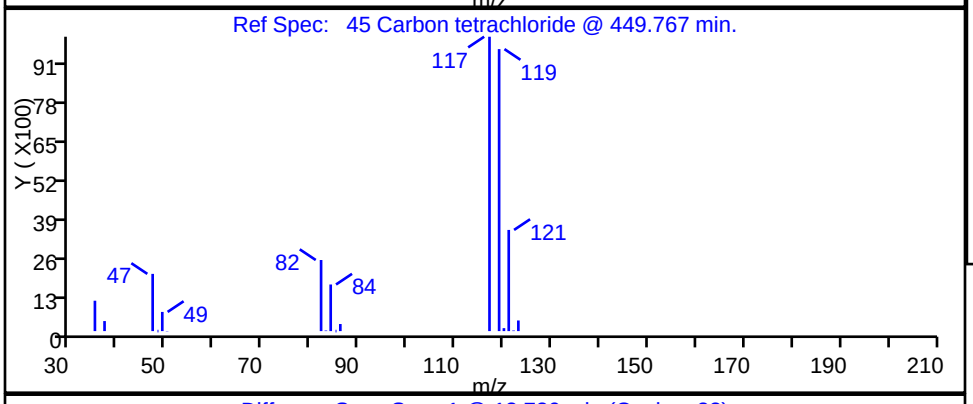
45 Carbon tetrachloride, CAS: 56-23-5

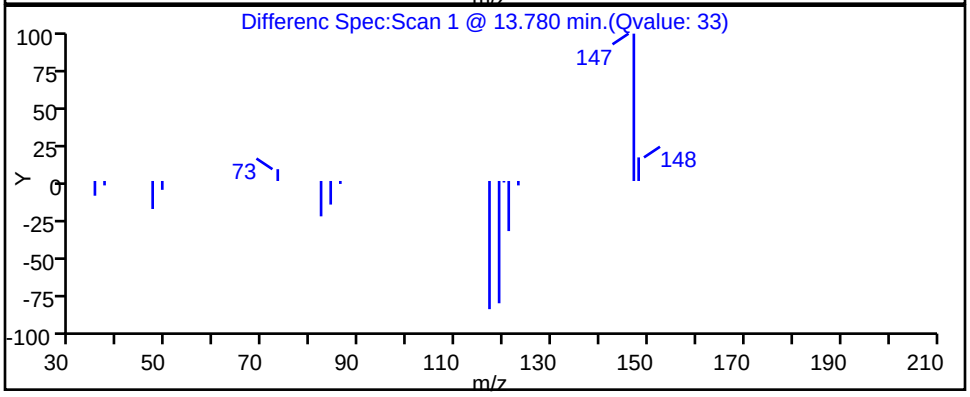








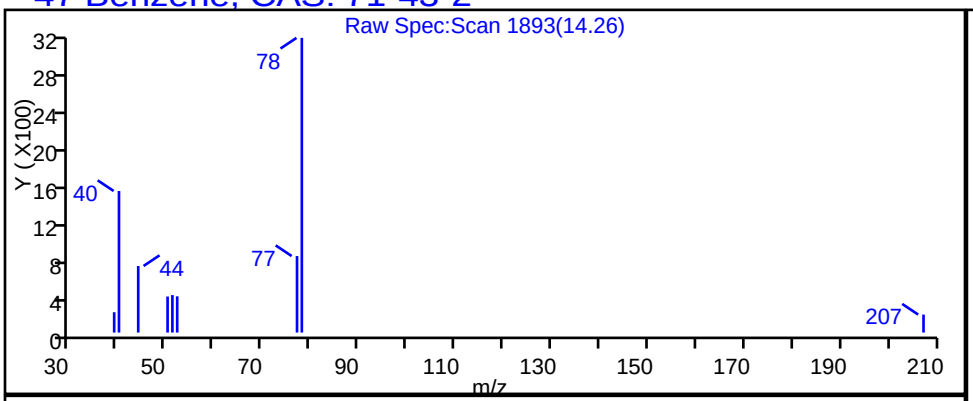


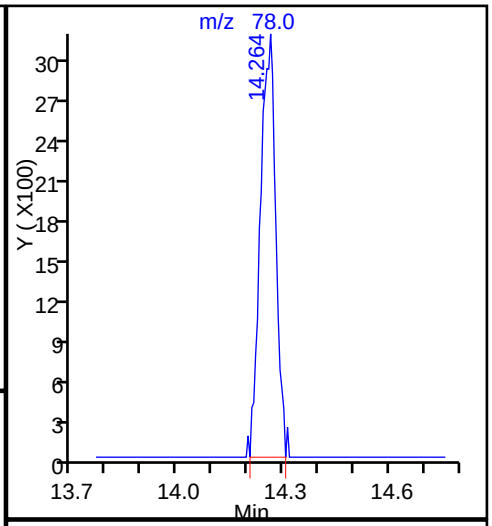


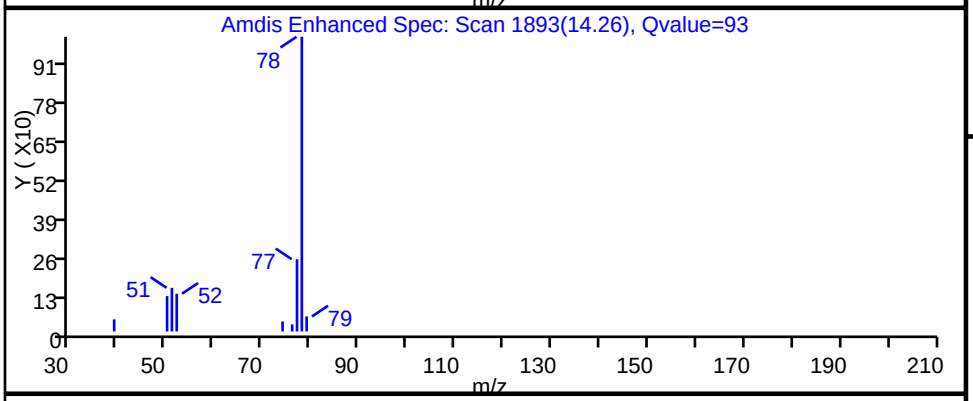
TestAmerica Burlington

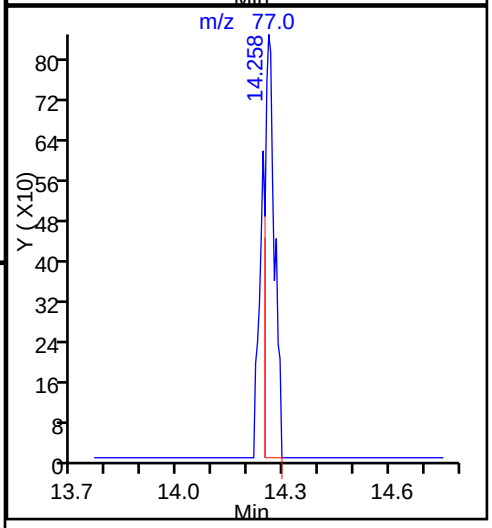
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

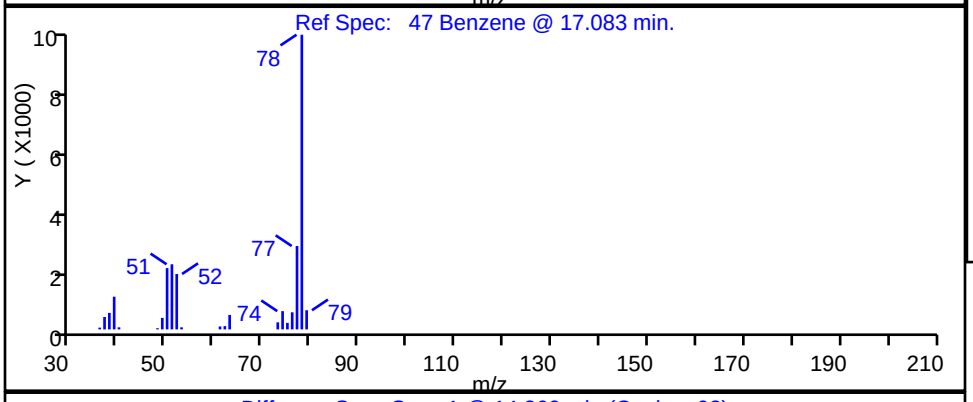
47 Benzene, CAS: 71-43-2

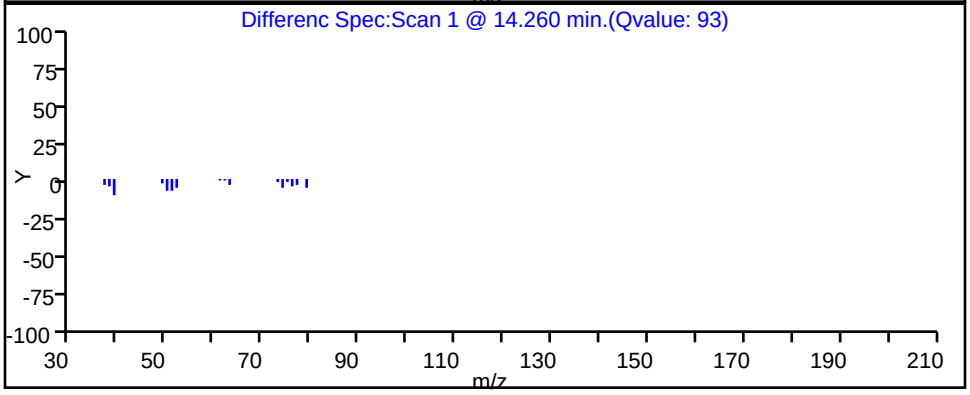








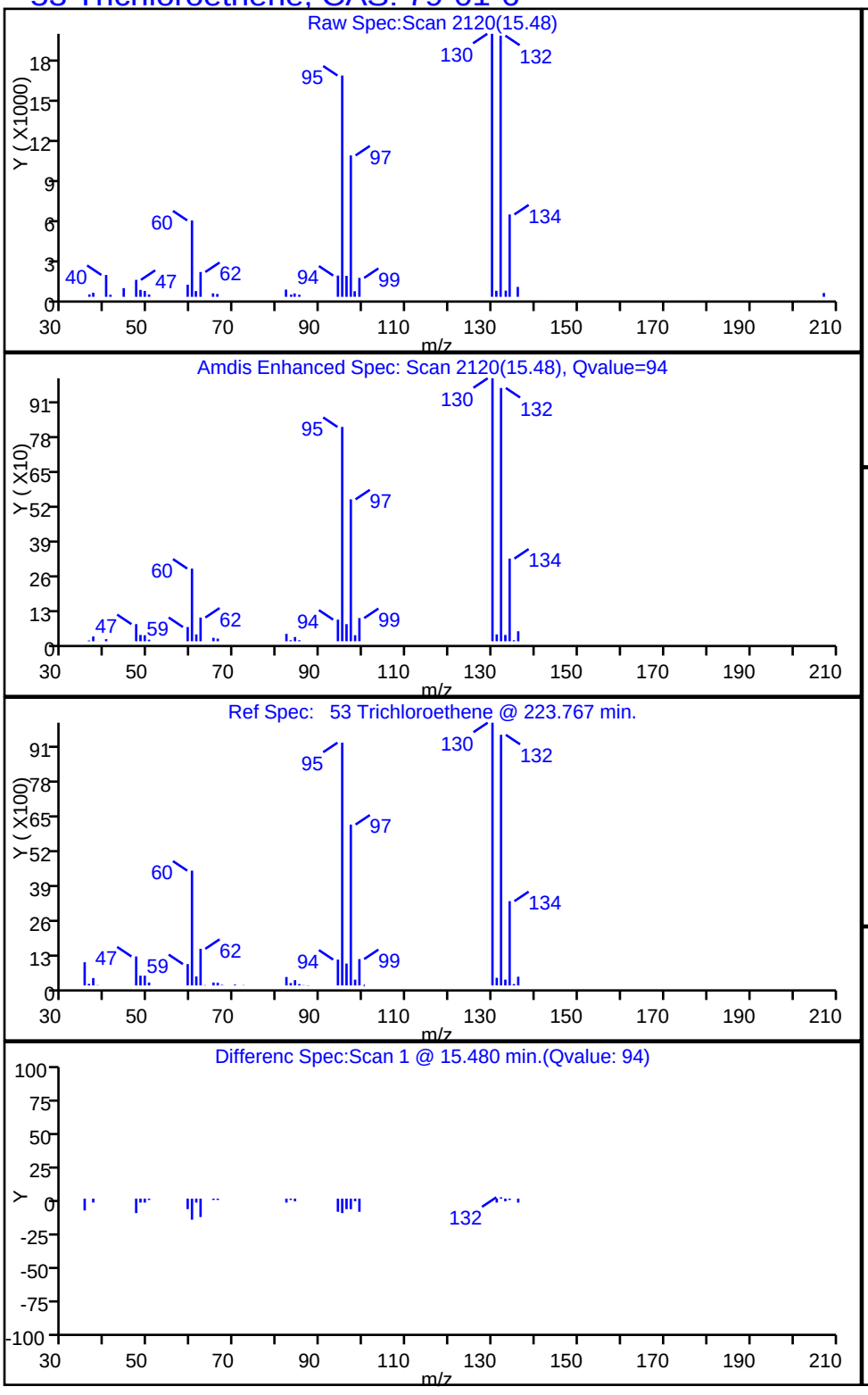


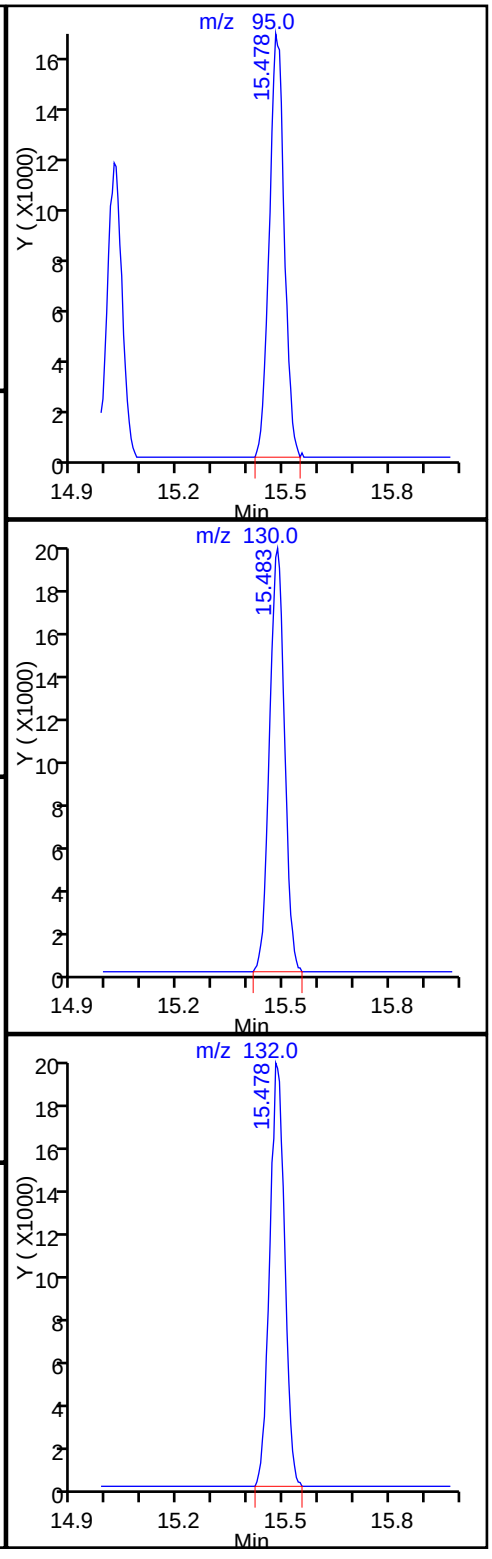


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 Trichloroethene, CAS: 79-01-6

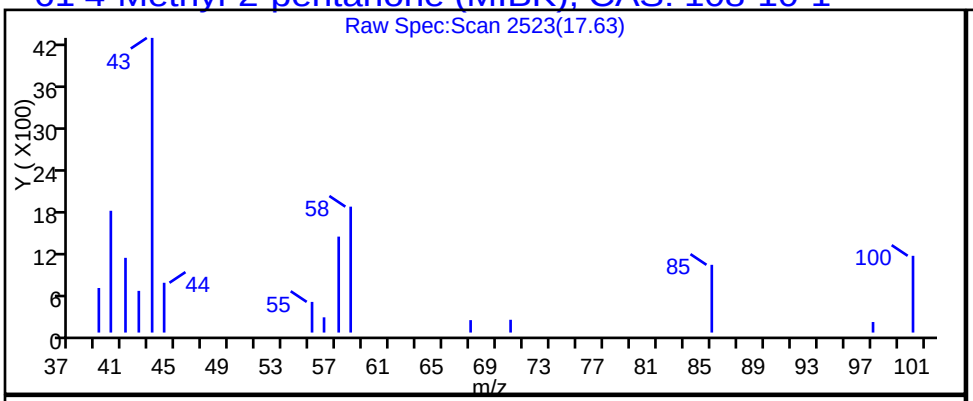


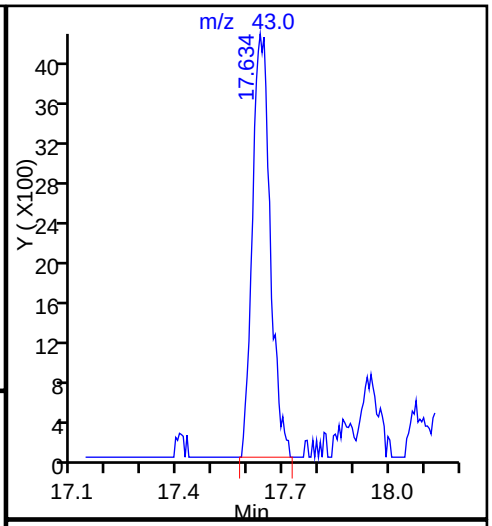


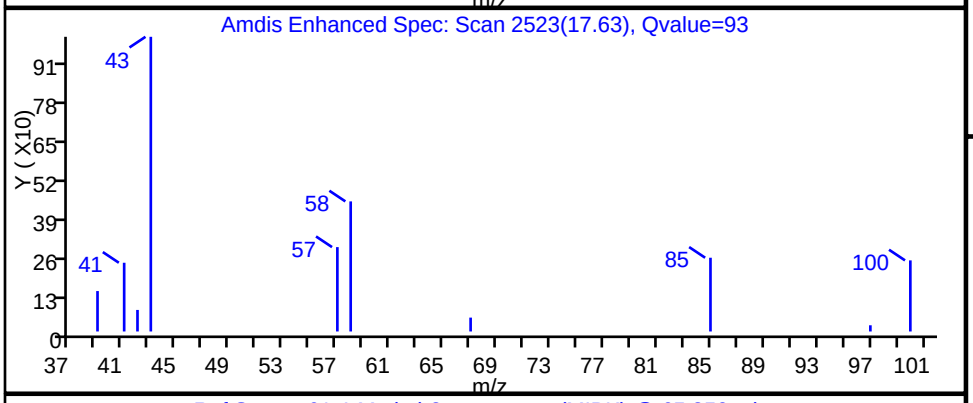
TestAmerica Burlington

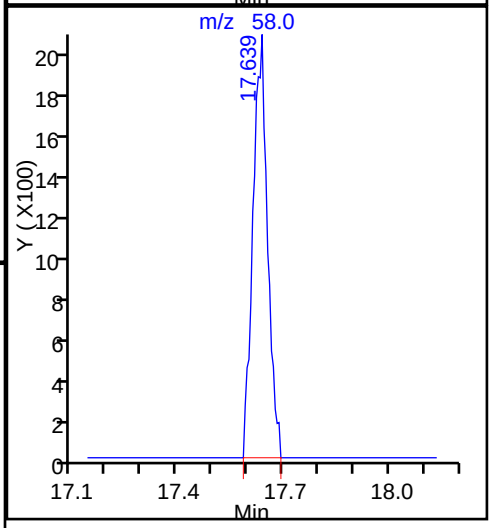
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

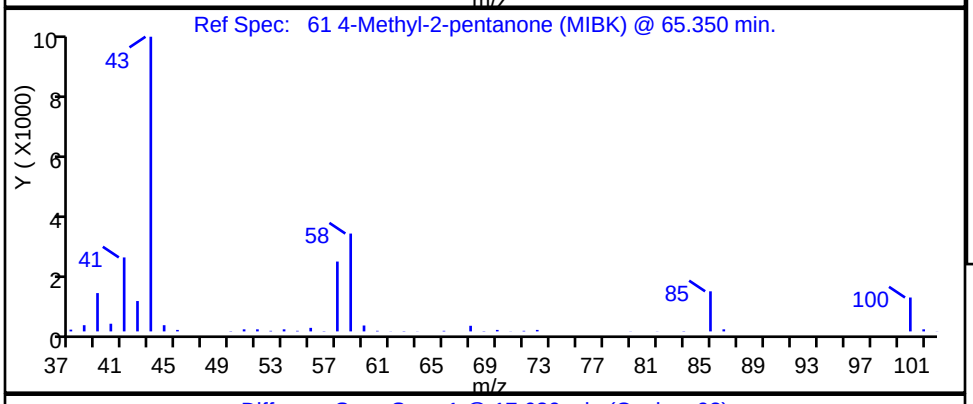
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

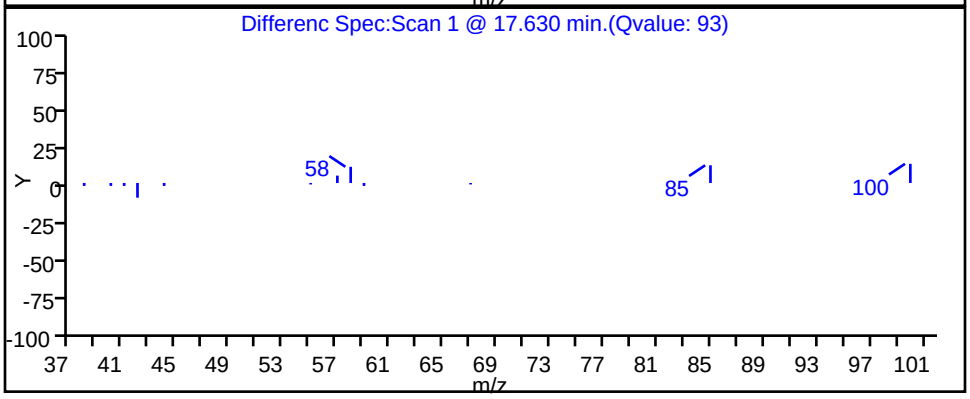








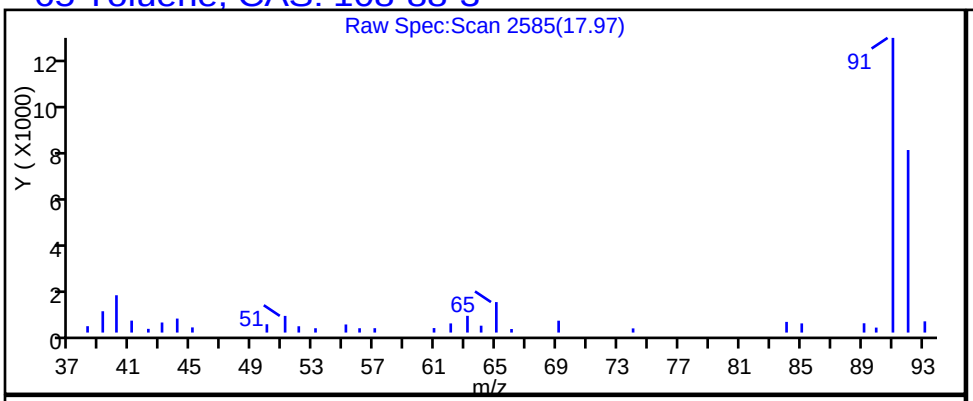


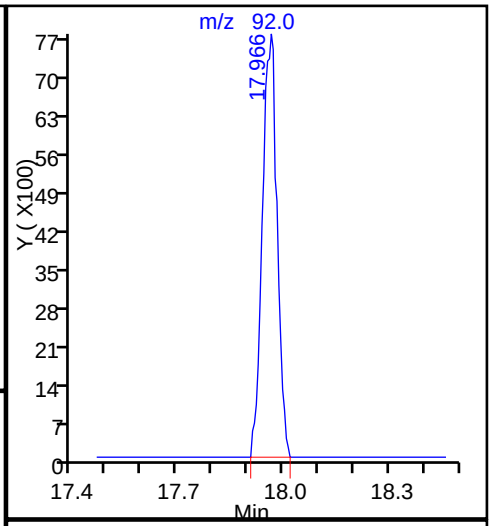


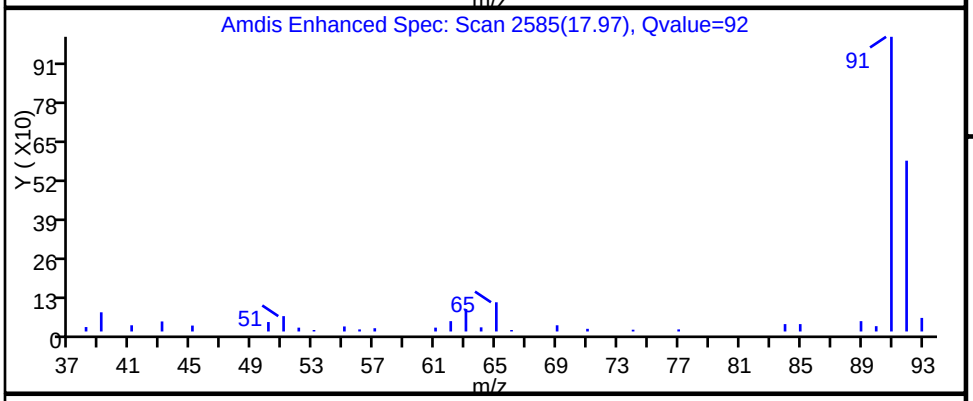
TestAmerica Burlington

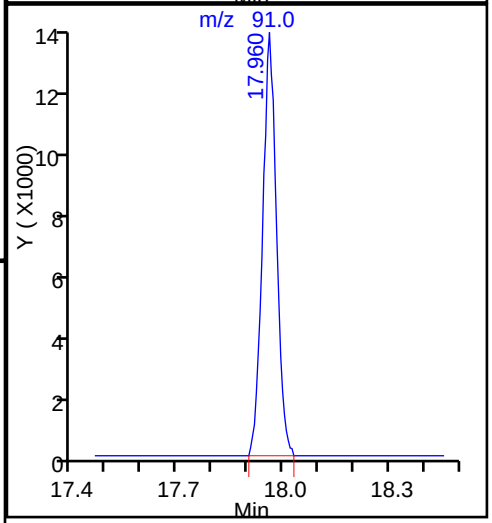
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

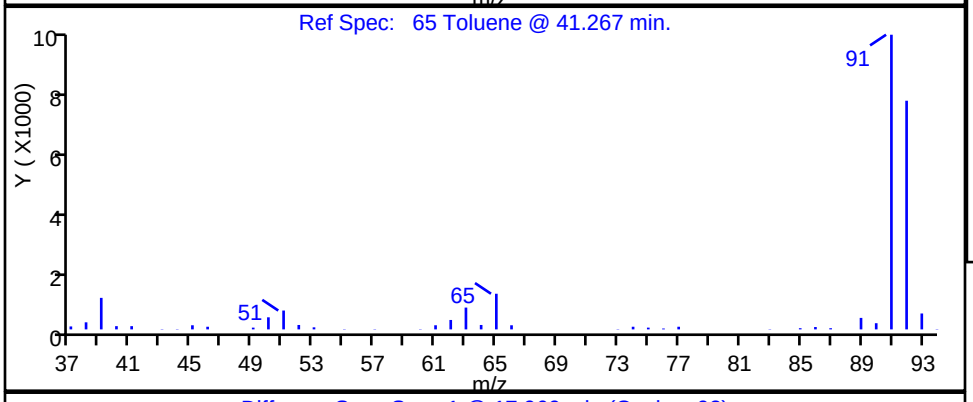
65 Toluene, CAS: 108-88-3

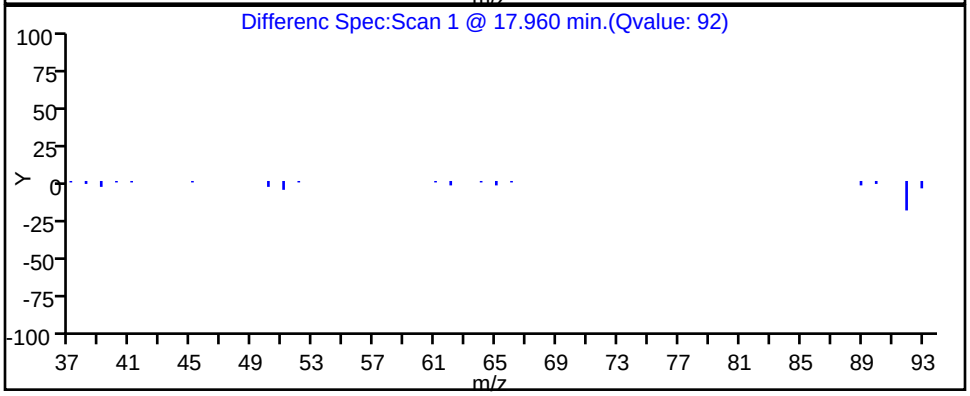






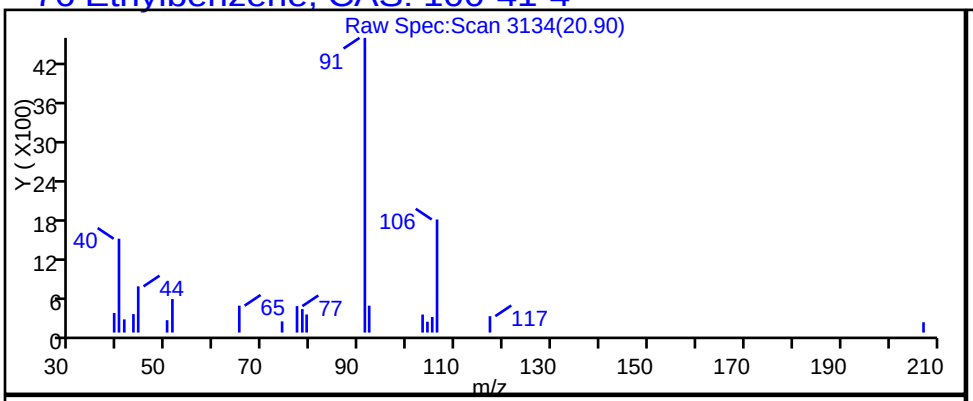


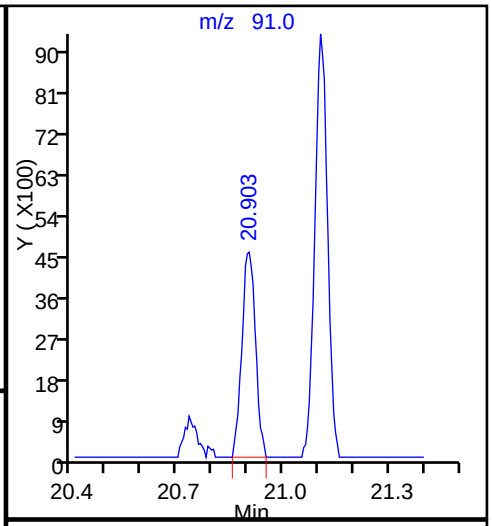


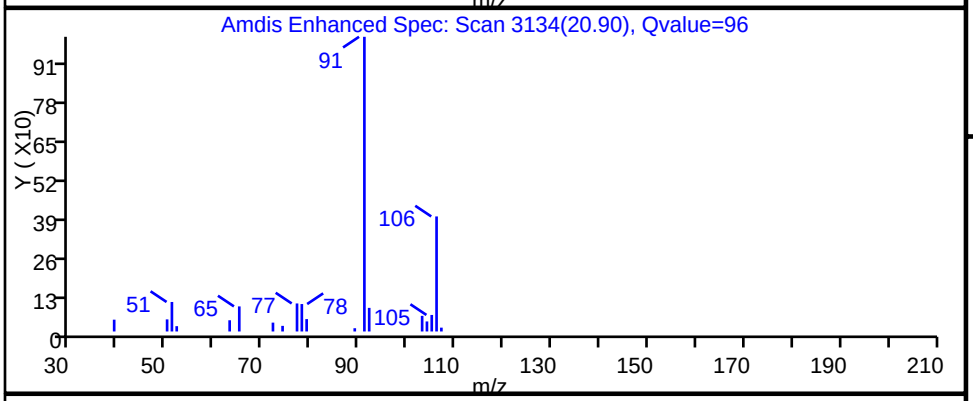


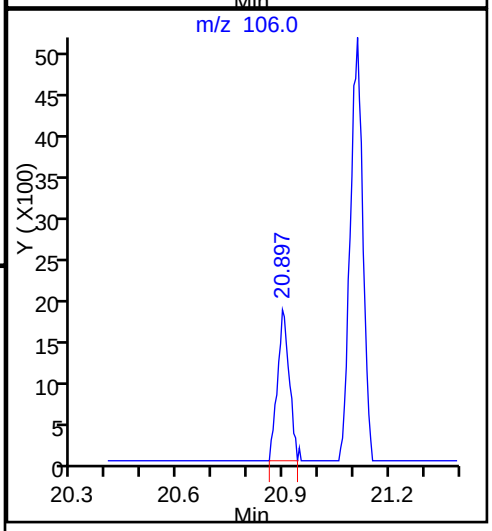
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

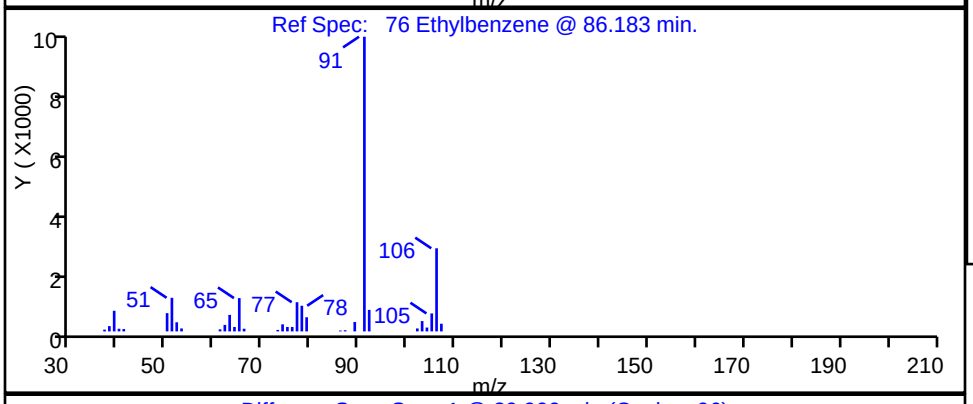
76 Ethylbenzene, CAS: 100-41-4

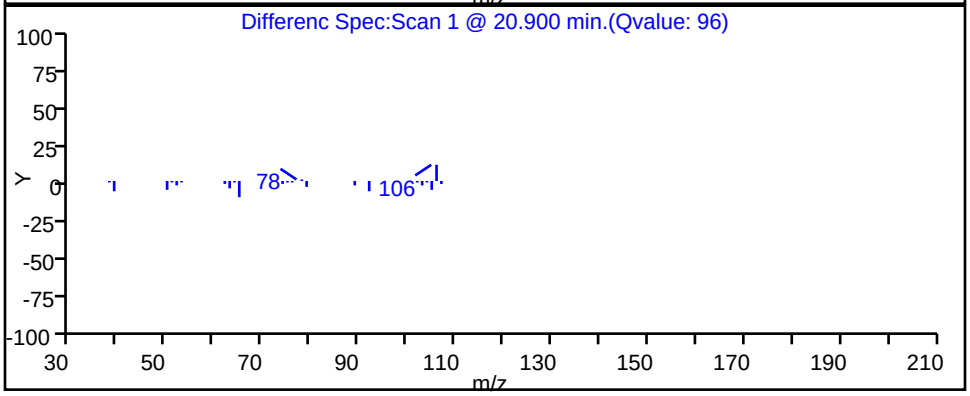








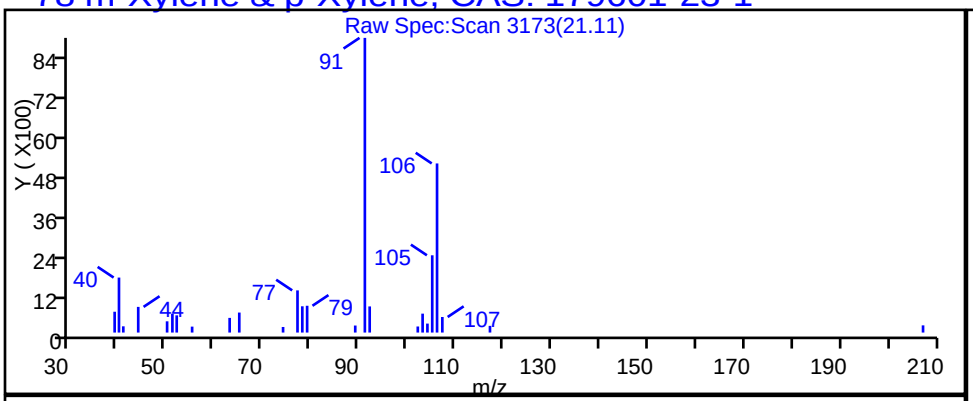


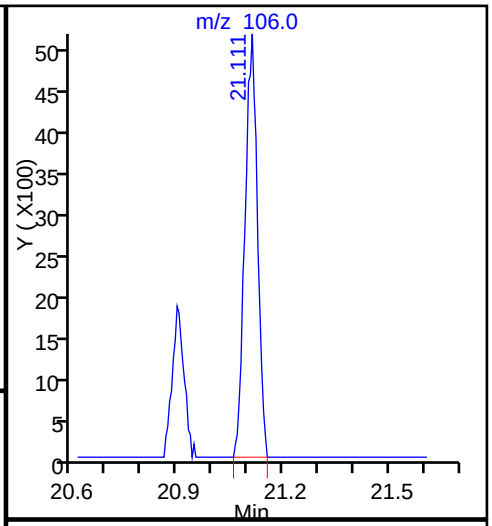


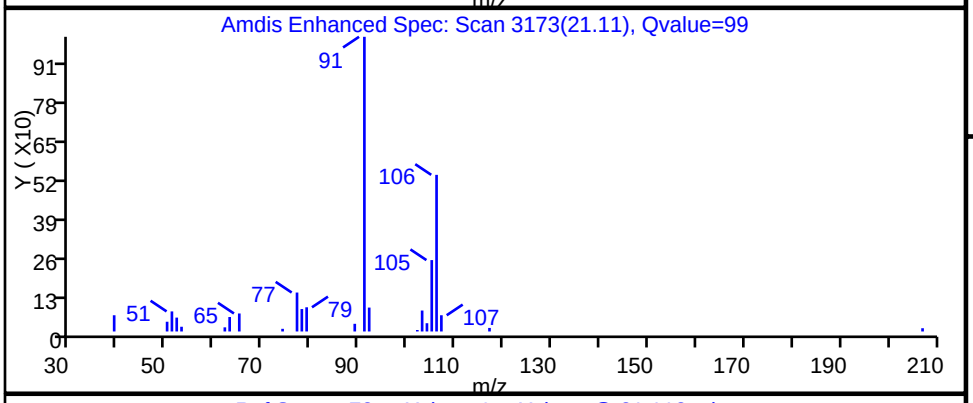
TestAmerica Burlington

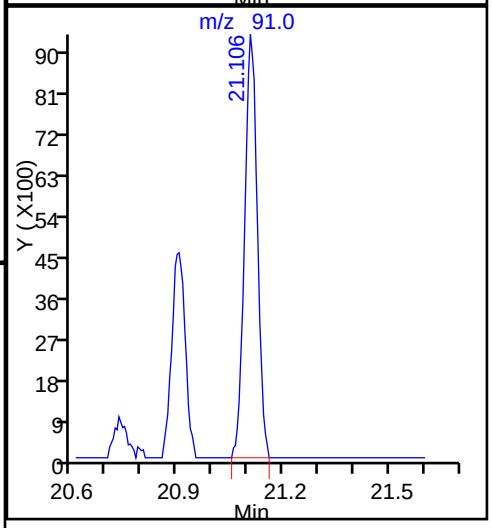
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

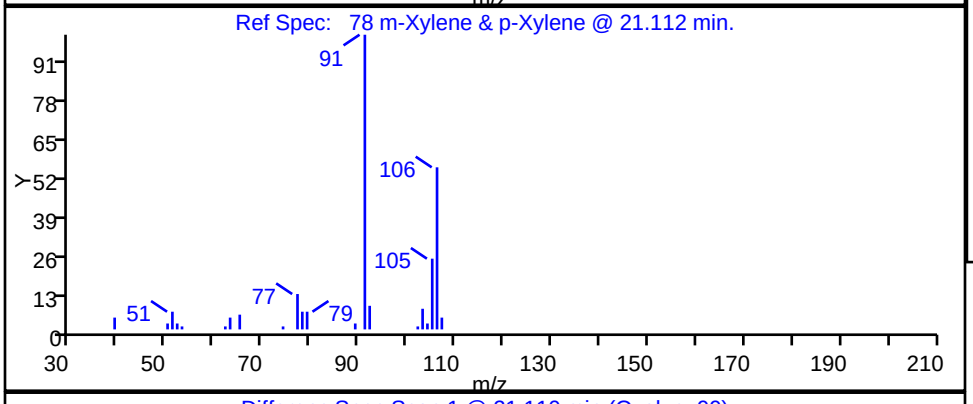
78 m-Xylene & p-Xylene, CAS: 179601-23-1

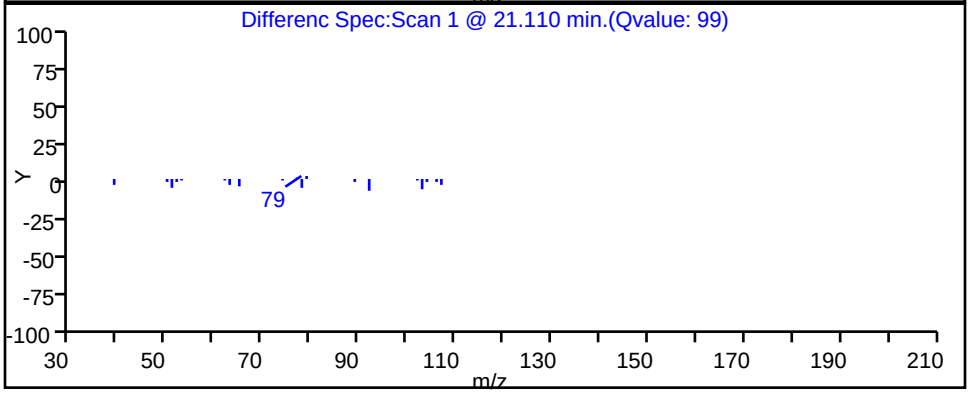








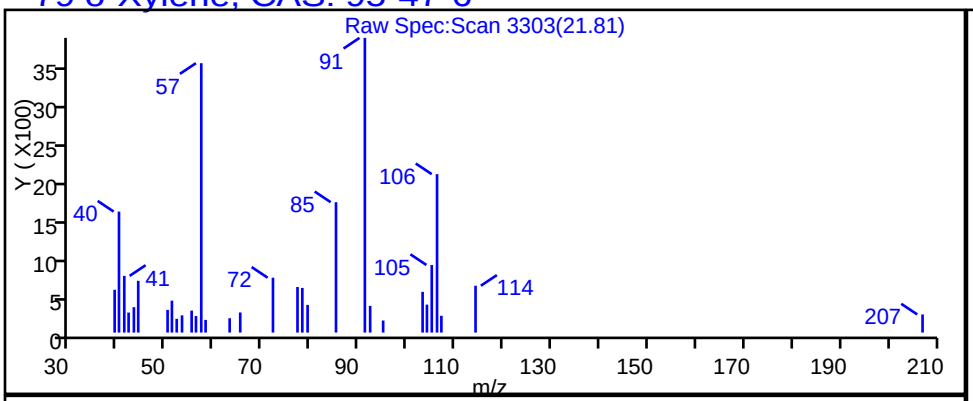


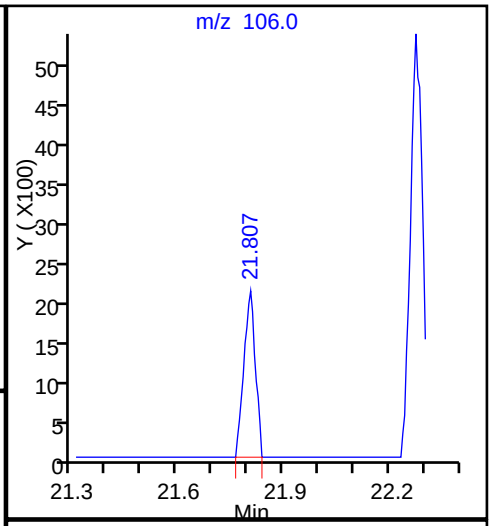


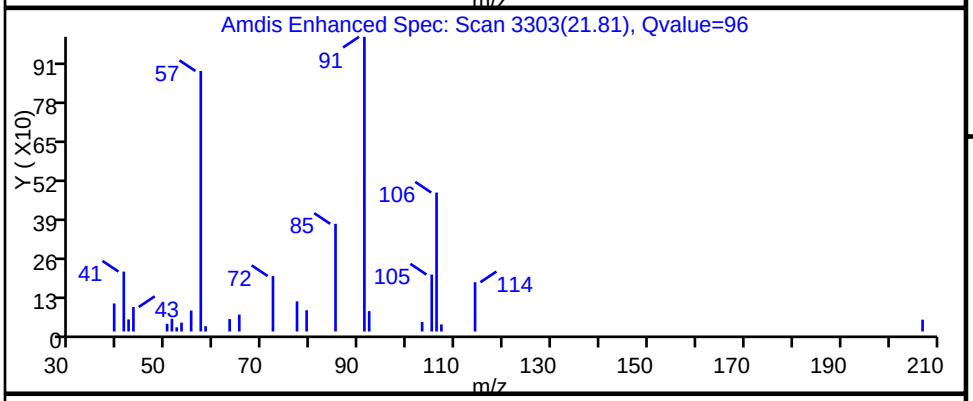
TestAmerica Burlington

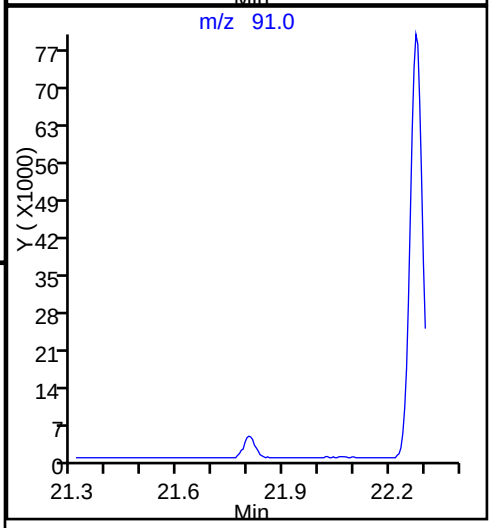
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

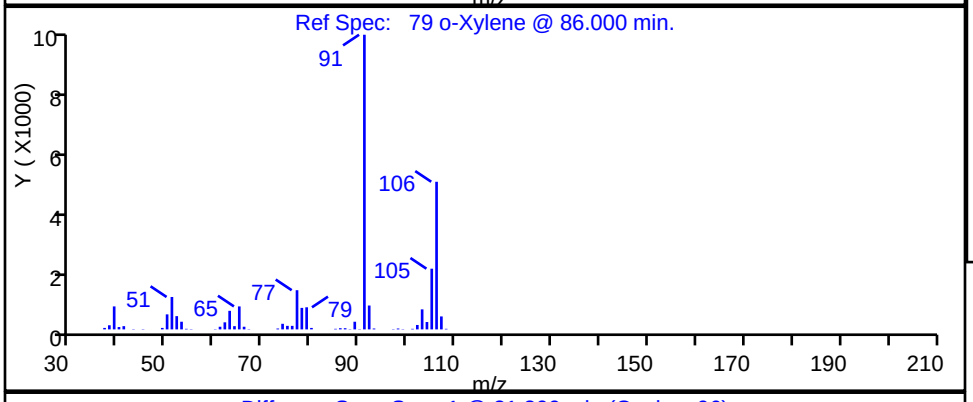
79 o-Xylene, CAS: 95-47-6

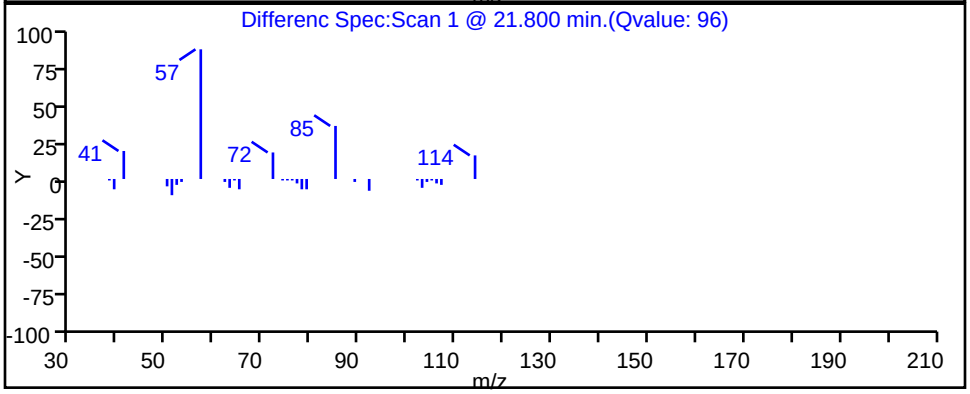






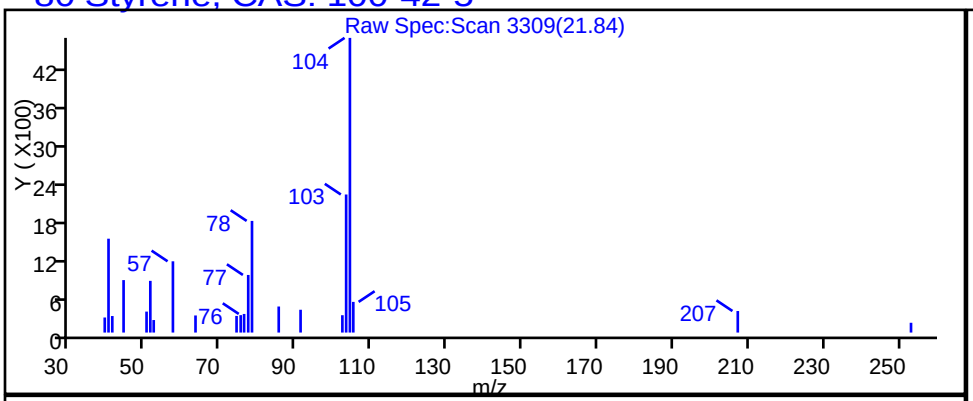


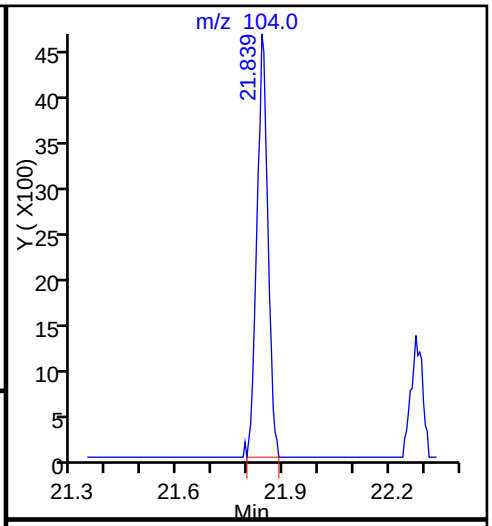


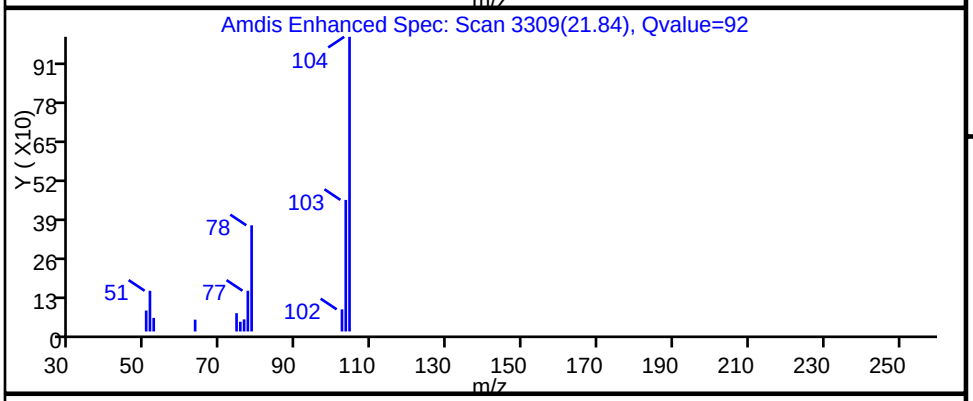


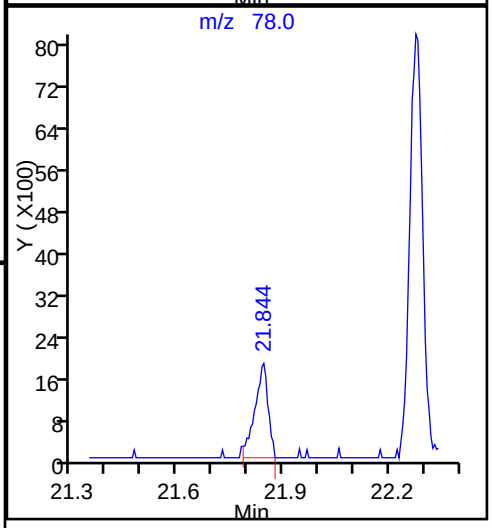
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

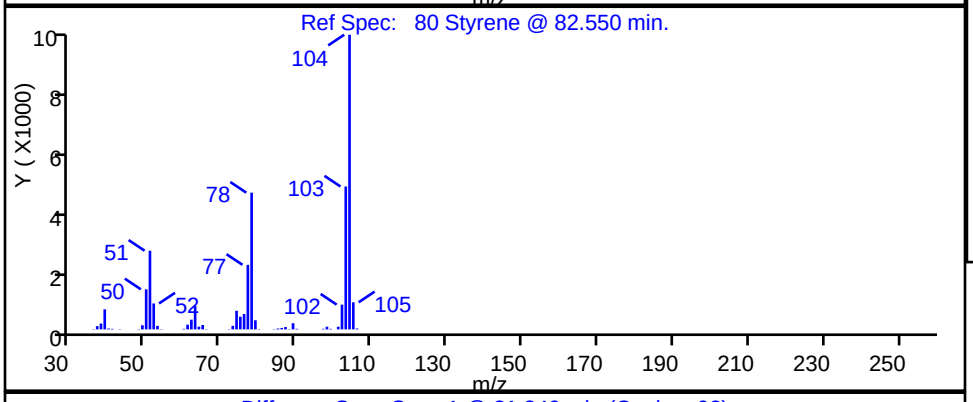
80 Styrene, CAS: 100-42-5

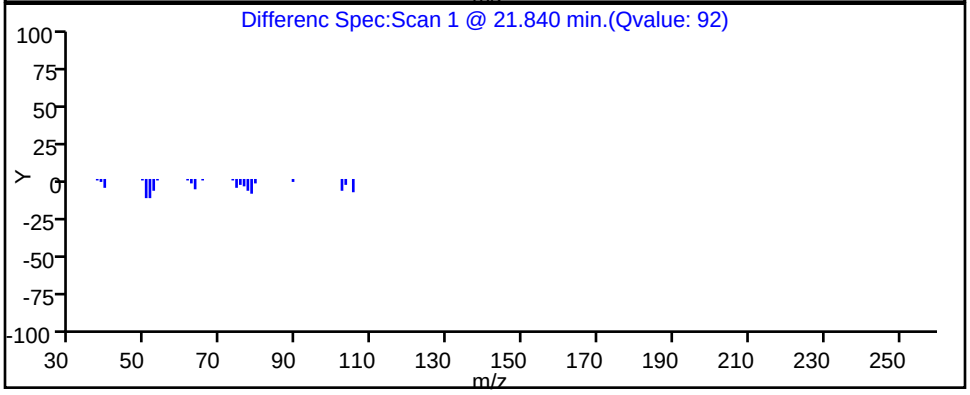






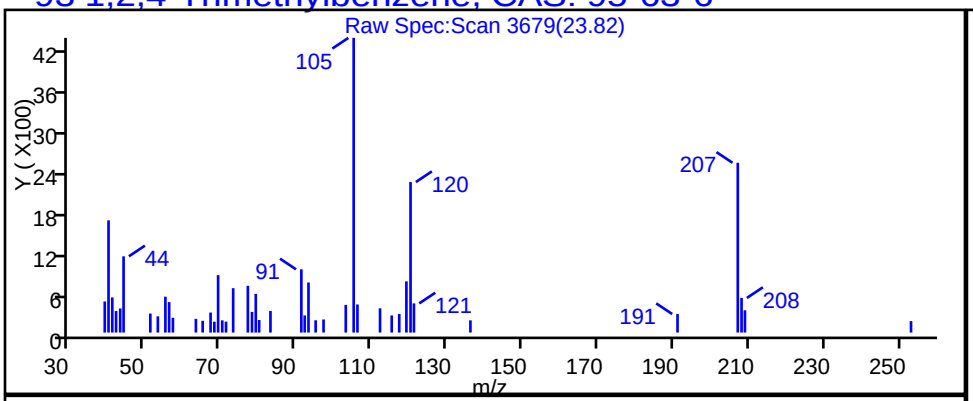


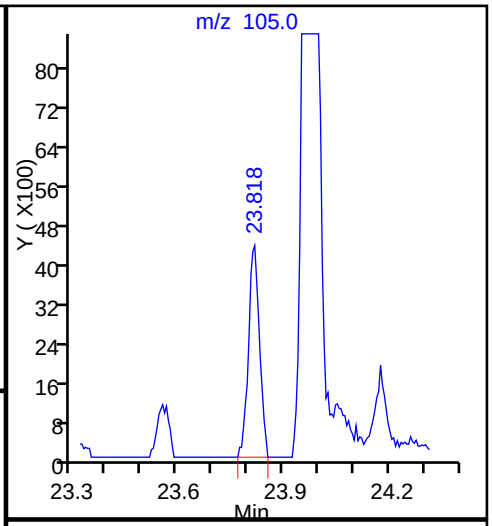


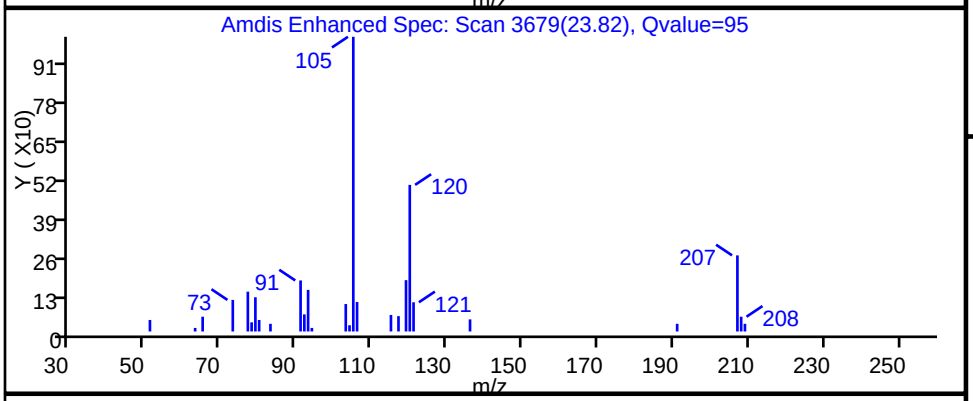


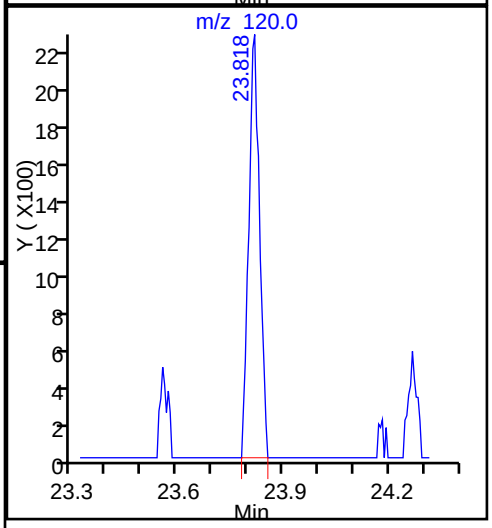
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

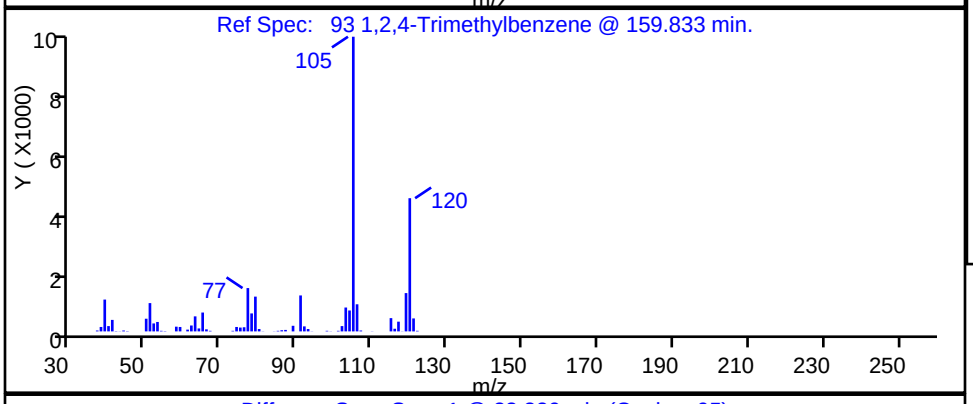
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

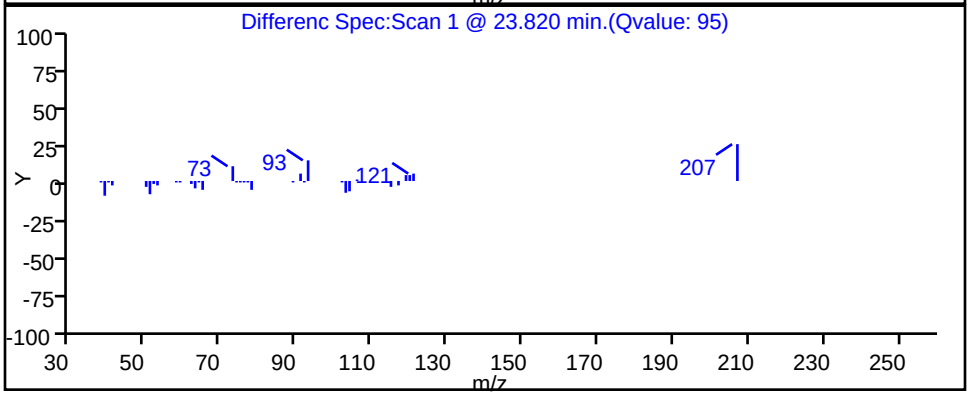






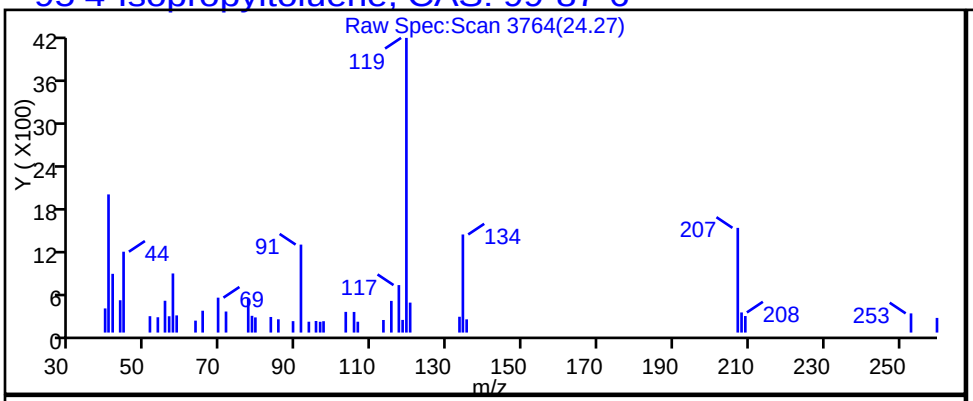


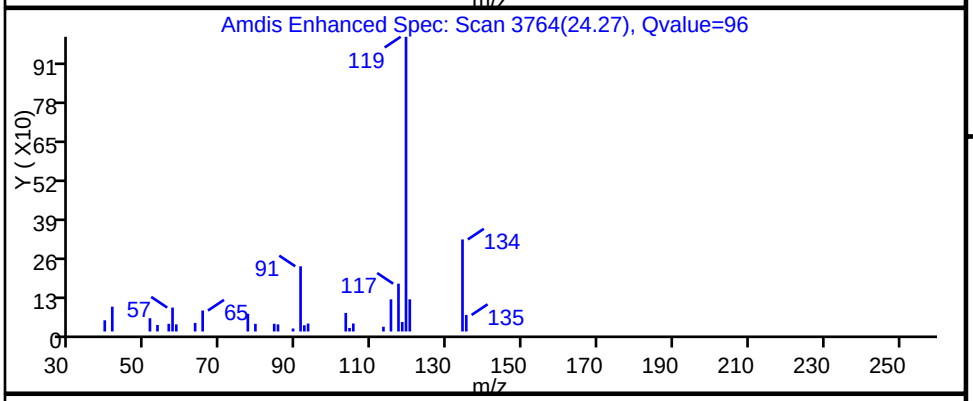


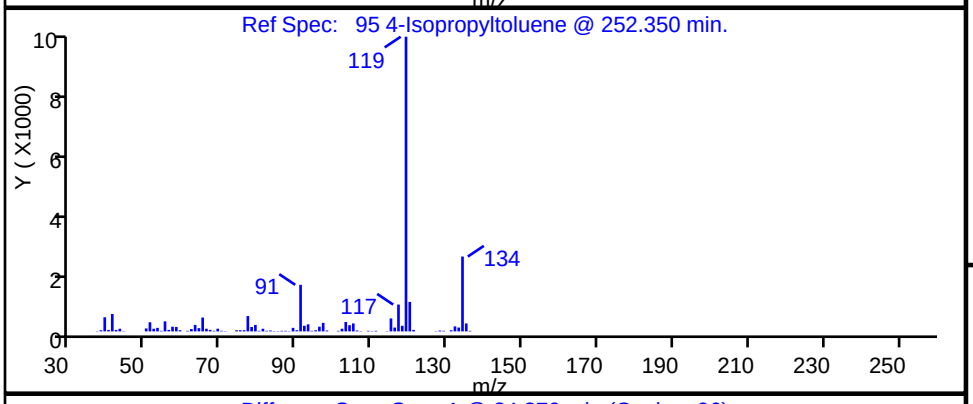


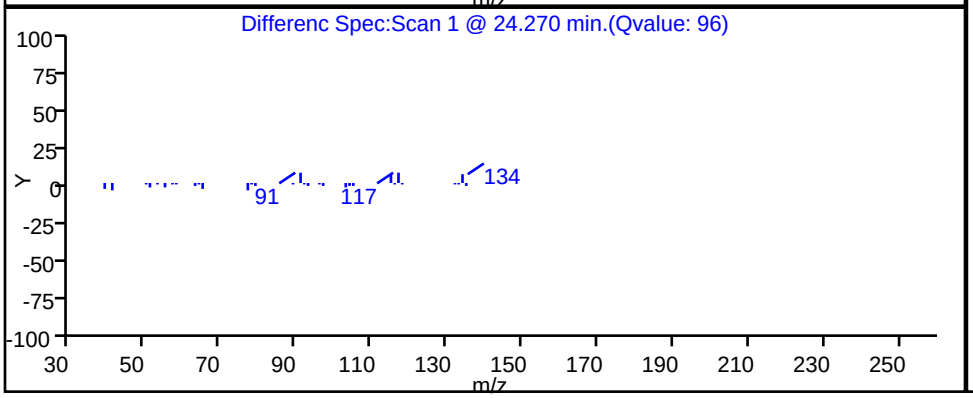
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d
Injection Date: 10-Sep-2015 20:54:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-9 Lab Sample ID: 200-29580-9
Client ID: 776VMP0301NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

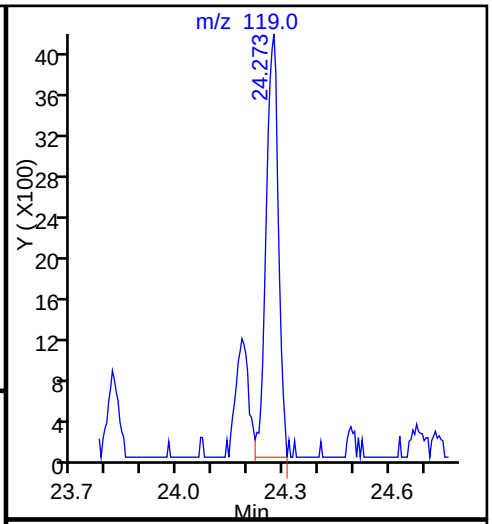
95 4-Isopropyltoluene, CAS: 99-87-6

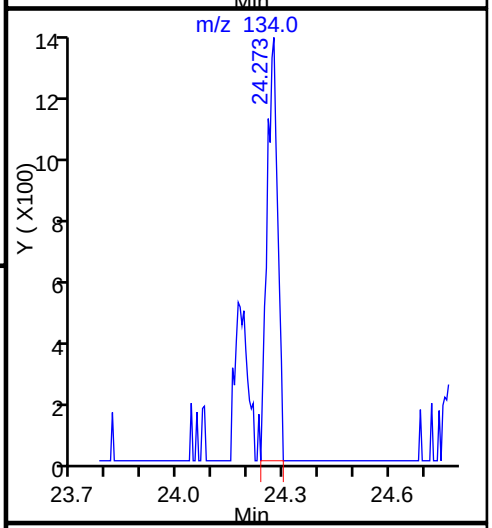


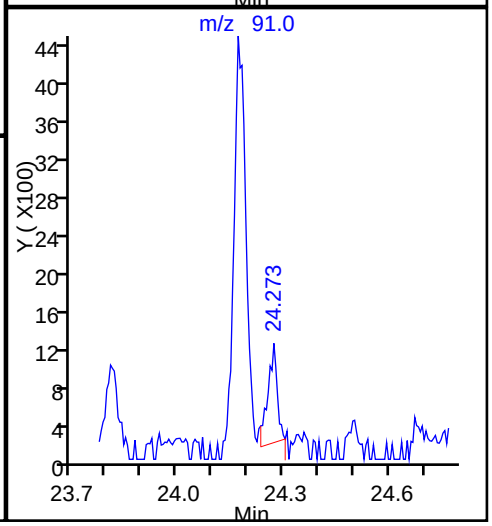








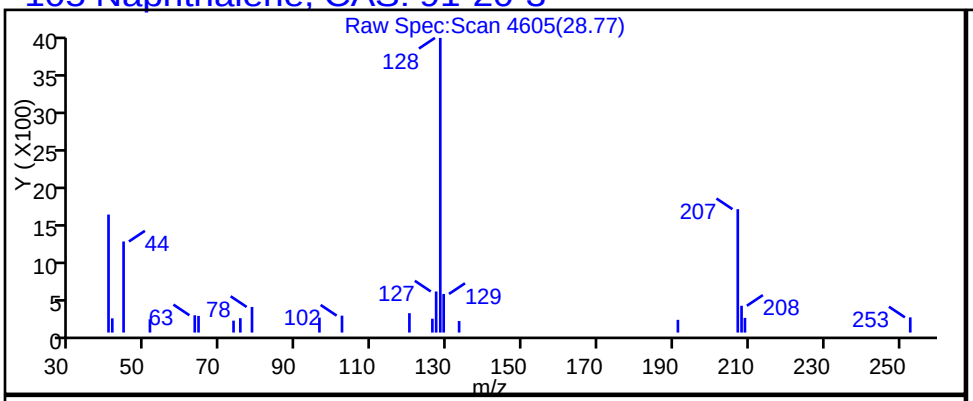


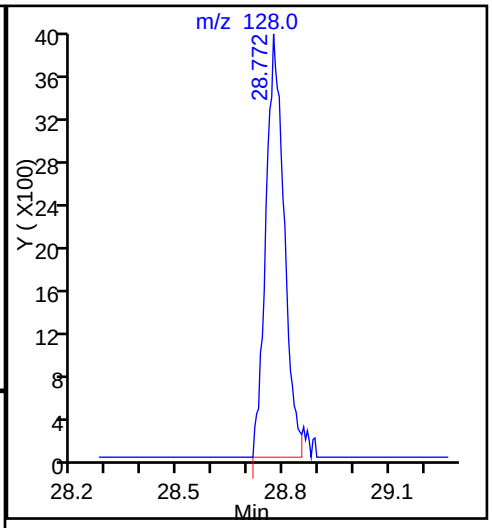


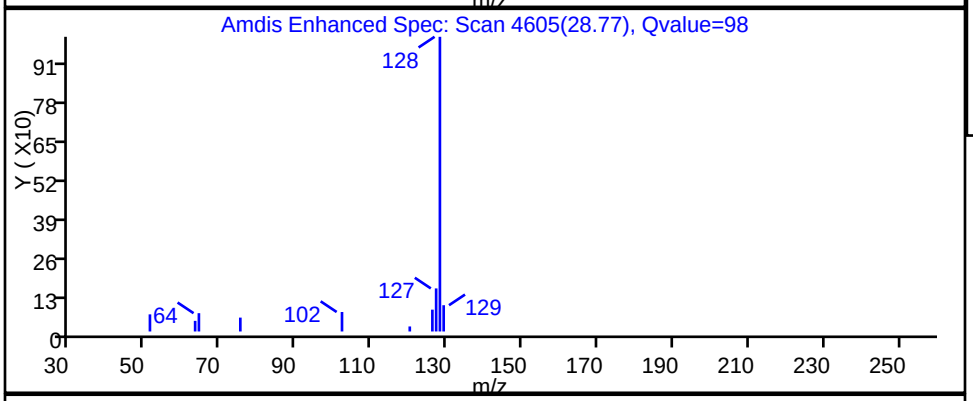
TestAmerica Burlington

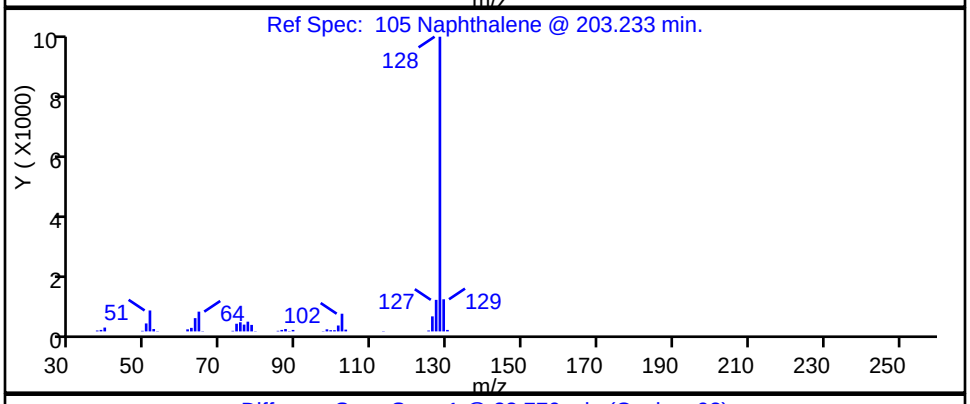
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

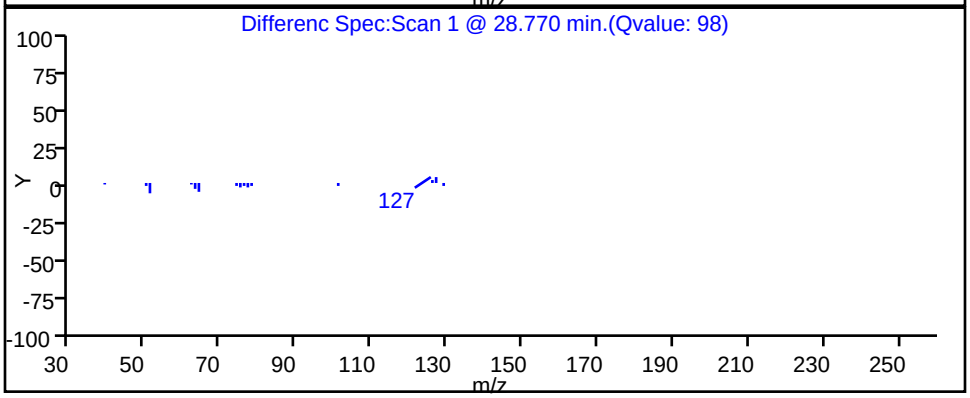
105 Naphthalene, CAS: 91-20-3











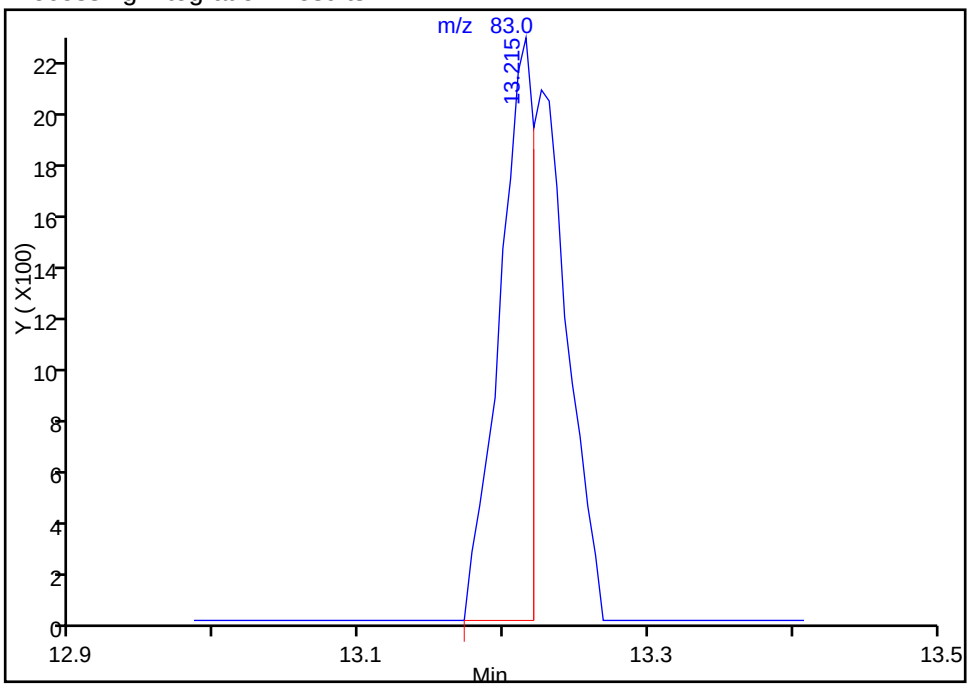
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Chloroform, CAS: 67-66-3

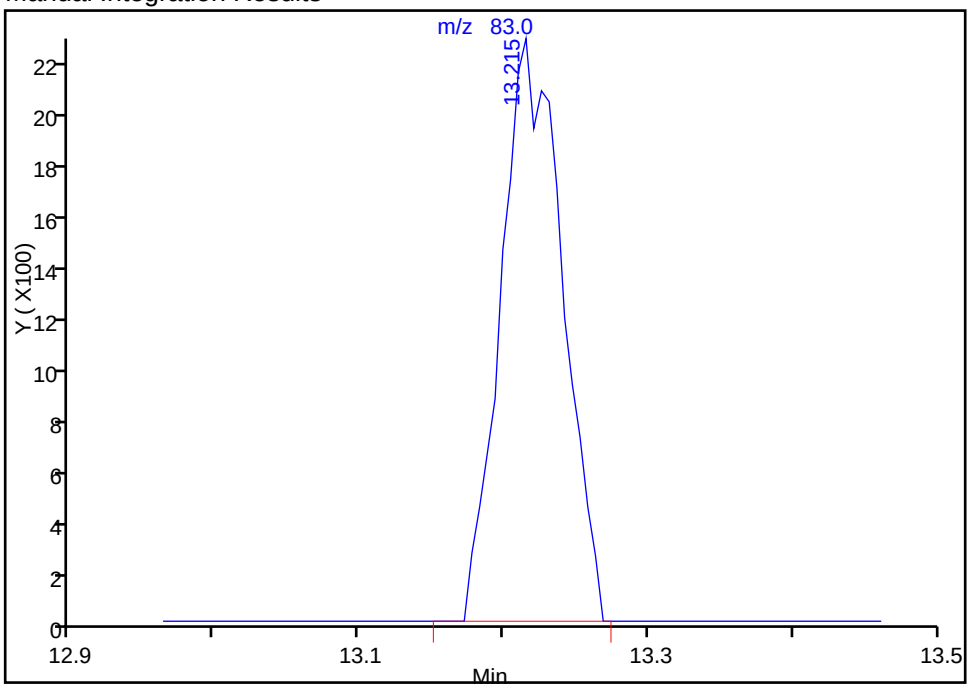
Processing Integration Results

RT: 13.22
Area: 3758
Amount: 0.053436
Amount Units: ppb v/v



Manual Integration Results

RT: 13.22
Area: 6736
Amount: 0.095781
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:10:52
Audit Action: Manually Integrated
Audit Reason: Baseline

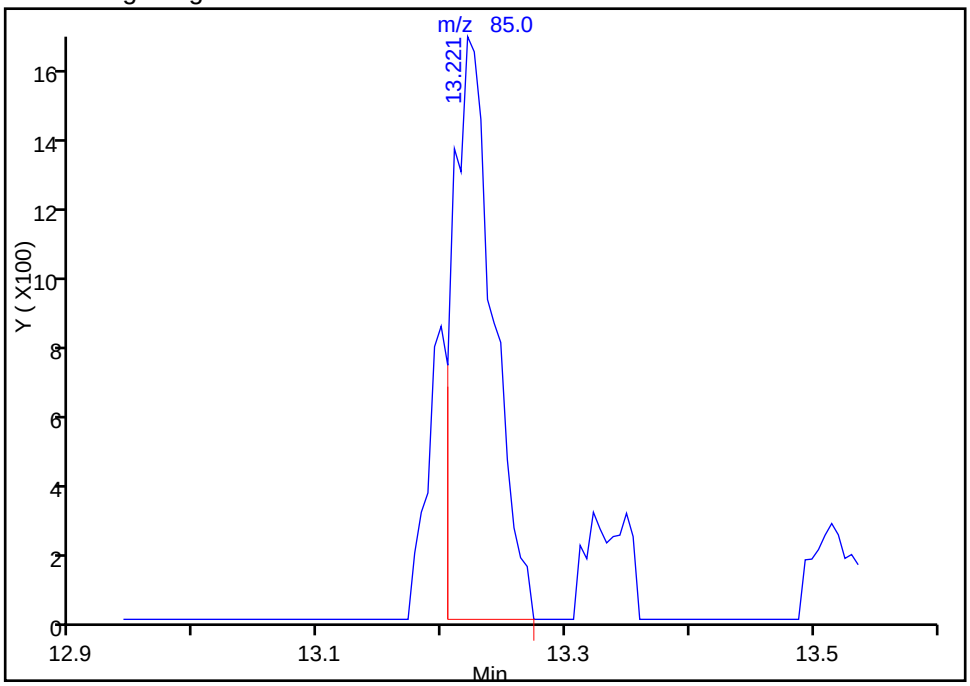
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Chloroform, CAS: 67-66-3

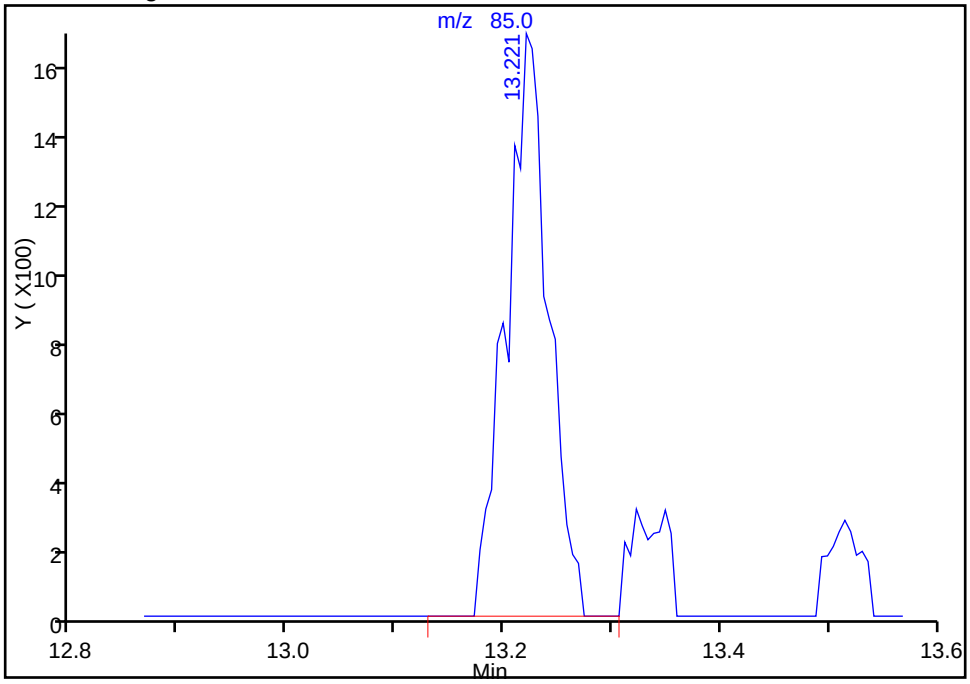
Processing Integration Results

RT: 13.22
Area: 3719
Amount: 0.053436
Amount Units: ppb v/v



Manual Integration Results

RT: 13.22
Area: 4507
Amount: 0.095781
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:10:52
Audit Action: Manually Integrated
Audit Reason: Baseline

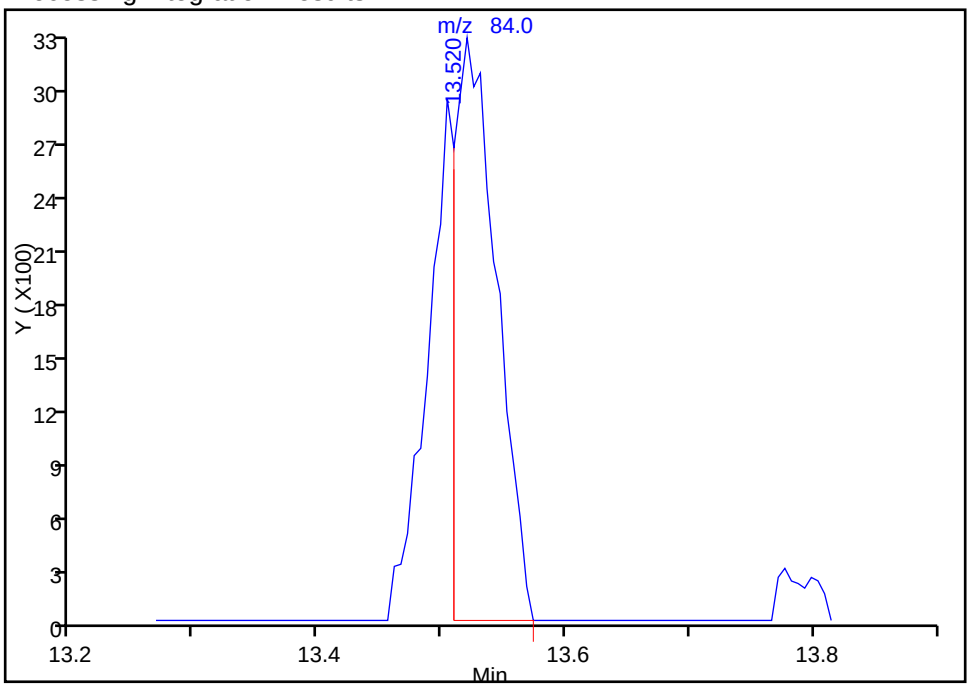
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_016.d				
Injection Date:	10-Sep-2015 20:54:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-9	Lab Sample ID:	200-29580-9		
Client ID:	776VMP0301NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

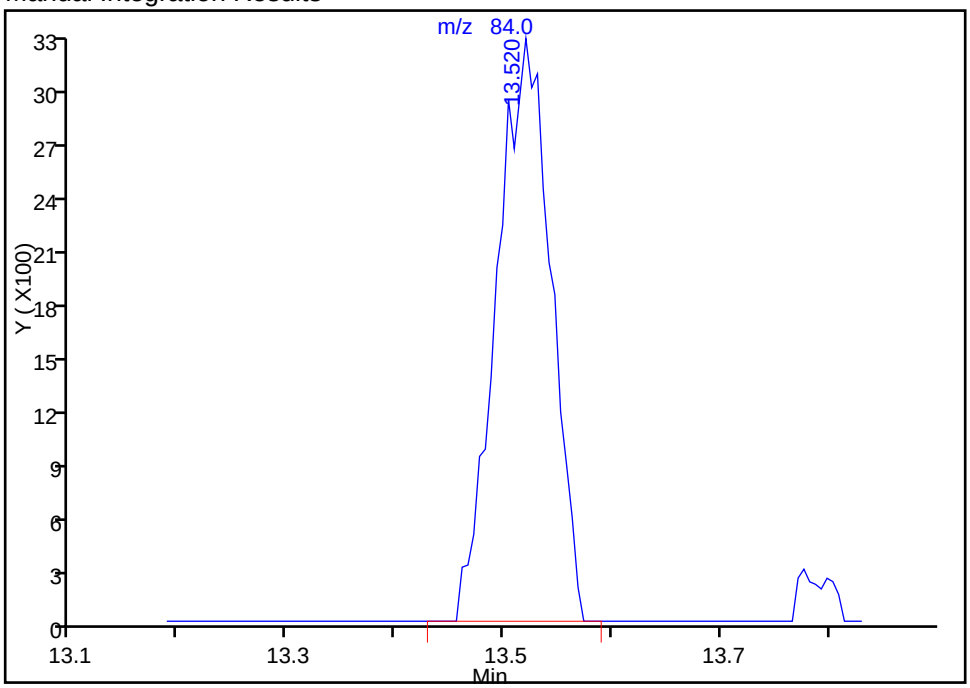
Processing Integration Results

RT: 13.52
Area: 7713
Amount: 0.158466
Amount Units: ppb v/v



Manual Integration Results

RT: 13.52
Area: 11402
Amount: 0.234258
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:10:52
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774IA1NA Lab Sample ID: 200-29580-10

Matrix: Air Lab File ID: 15629_15.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:10

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 23:13

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.50		0.50	0.060
106-97-8	n-Butane	58.12	0.45	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.44		0.20	0.045
76-13-1	Freon TF	187.38	0.064	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	5.2		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.24	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.078	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.32	J	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.038	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.069	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.10	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774IA1NA Lab Sample ID: 200-29580-10

Matrix: Air Lab File ID: 15629_15.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:10

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 23:13

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.22		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.044	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.12	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.042	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.16	J	0.70	0.041
100-42-5	Styrene	104.15	0.030	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.026	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774IA1NA Lab Sample ID: 200-29580-10

Matrix: Air Lab File ID: 15629_15.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:10

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 23:13

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.092	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774IA1NA Lab Sample ID: 200-29580-10

Matrix: Air Lab File ID: 15629_15.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:10

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 23:13

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0		1.0	0.12
106-97-8	n-Butane	58.12	1.1	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	2.5		1.1	0.25
76-13-1	Freon TF	187.38	0.49	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	12		12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.84	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.28	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.93	J	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.18	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.43	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.32	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774IA1NA Lab Sample ID: 200-29580-10

Matrix: Air Lab File ID: 15629_15.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:10

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 23:13

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.85		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.19	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.50	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.18	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.70	J	3.0	0.18
100-42-5	Styrene	104.15	0.13	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.13	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774IA1NA Lab Sample ID: 200-29580-10

Matrix: Air Lab File ID: 15629_15.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:10

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 23:13

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.48	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Sample Type: Client
Inject. Date: 04-Sep-2015 23:13:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-015
Misc. Info.: 29580-10
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2015 08:58:27 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 08-Sep-2015 08:58:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.172	3.167	0.005	99	12778	0.4937	
3 Chlorodifluoromethane	51		3.215				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.429				ND	
5 Chloromethane	50	3.573	3.568	0.005	98	3647	0.5007	
6 Butane	43	3.766	3.761	0.006	97	5372	0.4490	
7 Vinyl chloride	62		3.809				ND	
8 Butadiene	54		3.884				ND	
9 Bromomethane	94		4.552				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101	5.259	5.248	0.011	97	12577	0.4406	
18 1,1,2-Trichloro-1,2,2-trif	101	6.291	6.291	0.000	28	1458	0.0638	
20 1,1-Dichloroethene	96		6.350				ND	
21 Acetone	43	6.628	6.596	0.032	87	60049	5.16	
22 Carbon disulfide	76		6.740				ND	
23 Isopropyl alcohol	45		6.885				ND	
24 3-Chloro-1-propene	41		7.120				ND	
26 Methylene Chloride	49	7.420	7.409	0.011	82	2373	0.2420	
28 2-Methyl-2-propanol	59		7.660				ND	
29 Methyl tert-butyl ether	73		7.810				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.206	8.206	0.000	15	1139	0.0782	
33 1,1-Dichloroethane	63		8.709				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72	9.924	9.870	0.054	96	1957	0.3166	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	77	133059	10.0	
39 Tetrahydrofuran	42		10.293				ND	
41 Chloroform	83	10.410	10.410	0.000	1	933	0.0377	
42 Cyclohexane	84		10.651				ND	
43 1,1,1-Trichloroethane	97		10.688				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	10.940	10.934	0.006	90	1955	0.0690	
45 Isooctane	57		11.362				ND	
46 Benzene	78	11.421	11.411	0.010	92	4415	0.1013	
47 1,2-Dichloroethane	62		11.609				ND	
48 n-Heptane	43		11.748				ND	
* 50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	746365	10.0	
52 Trichloroethene	95		12.743				ND	
53 1,2-Dichloropropane	63		13.336				ND	
54 Methyl methacrylate	69		13.492				ND	
55 1,4-Dioxane	88		13.567				ND	
57 Dichlorobromomethane	83		13.909				ND	
58 cis-1,3-Dichloropropene	75		14.877				ND	
61 4-Methyl-2-pentanone (MIBK	43	15.252	15.182	0.070	90	4650	0.1632	
62 Toluene	92	15.482	15.482	0.000	94	8562	0.2243	
67 trans-1,3-Dichloropropene	75		16.097				ND	
68 1,1,2-Trichloroethane	83		16.487				ND	
69 Tetrachloroethene	166		16.584				ND	
70 2-Hexanone	43		16.948				ND	
71 Chlorodibromomethane	129		17.269				ND	
72 Ethylene Dibromide	107		17.552				ND	
* 73 Chlorobenzene-d5	117	18.451	18.451	0.000	85	749544	10.0	
74 Chlorobenzene	112		18.515				ND	
75 Ethylbenzene	91	18.654	18.654	0.000	92	3652	0.0444	
77 m-Xylene & p-Xylene	106	18.906	18.911	-0.005	98	4001	0.1153	
78 o-Xylene	106	19.724	19.724	0.000	91	1451	0.0423	
79 Styrene	104	19.772	19.772	0.000	89	1585	0.0296	
S 80 Xylenes, Total	106				0		0.1576	
81 Bromoform	173		20.184				ND	
82 Isopropylbenzene	105		20.361				ND	
85 1,1,2,2-Tetrachloroethane	83		20.987				ND	
86 N-Propylbenzene	91		21.045				ND	
89 4-Ethyltoluene	105		21.222				ND	
90 2-Chlorotoluene	91		21.243				ND	
91 1,3,5-Trimethylbenzene	105		21.324				ND	
93 tert-Butylbenzene	119		21.794				ND	
94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	89	2136	0.0261	
95 sec-Butylbenzene	105		22.110				ND	
96 4-Isopropyltoluene	119	22.303	22.303	0.000	87	1730	0.0165	
97 1,3-Dichlorobenzene	146		22.351				ND	
98 1,4-Dichlorobenzene	146		22.490				ND	
99 Benzyl chloride	91		22.693				ND	
101 n-Butylbenzene	91		22.896				ND	
102 1,2-Dichlorobenzene	146		23.046				ND	
104 1,2,4-Trichlorobenzene	180		25.678				ND	
105 Hexachlorobutadiene	225		25.865				ND	
106 Naphthalene	128	26.213	26.208	0.005	98	9699	0.0920	

Reagents:

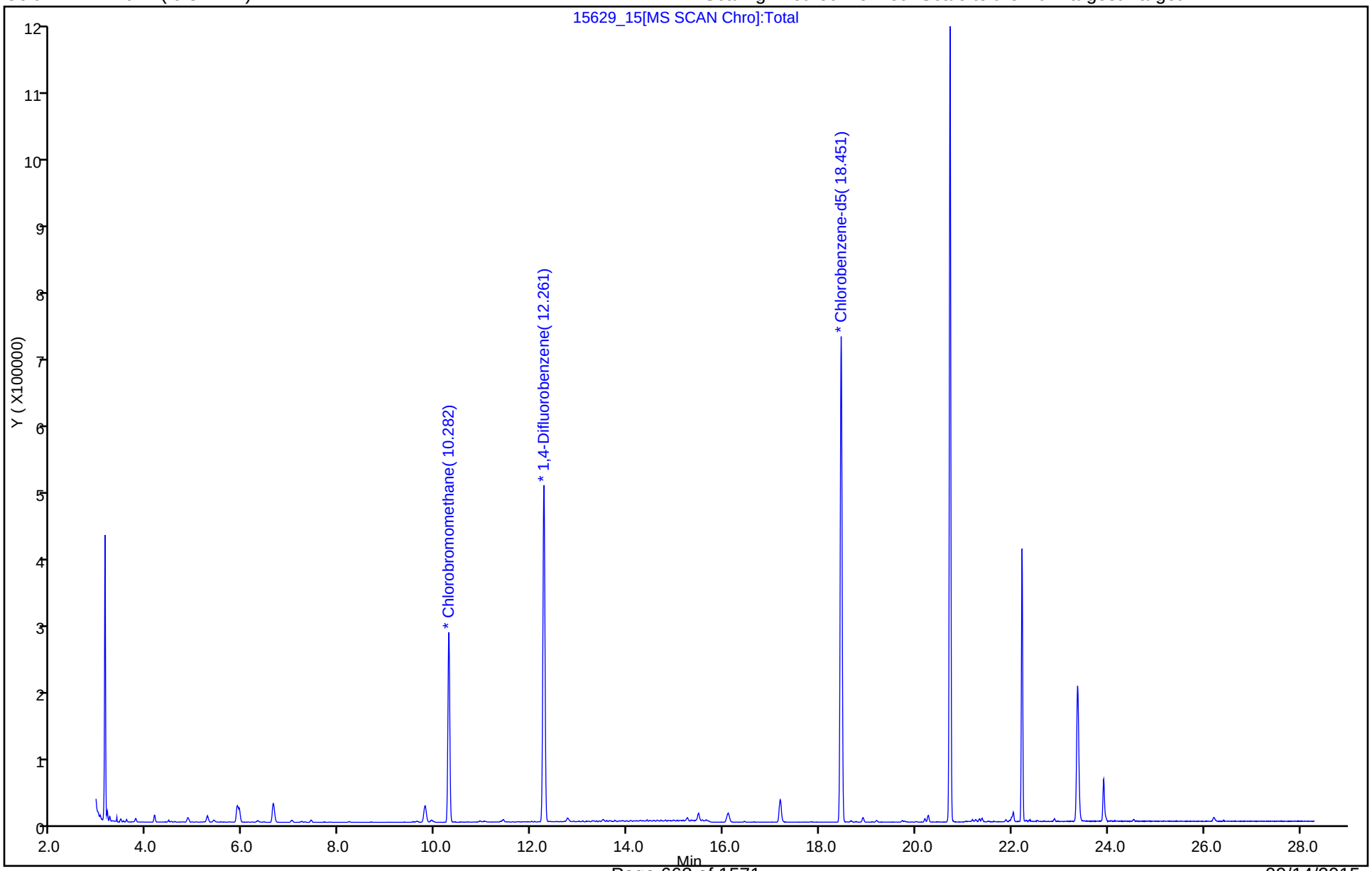
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 08-Sep-2015 08:58:28 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D				
Injection Date:	04-Sep-2015 23:13:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-29580-A-10	Lab Sample ID:	200-29580-10	Worklist Smp#:	15
Client ID:	774IA1NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

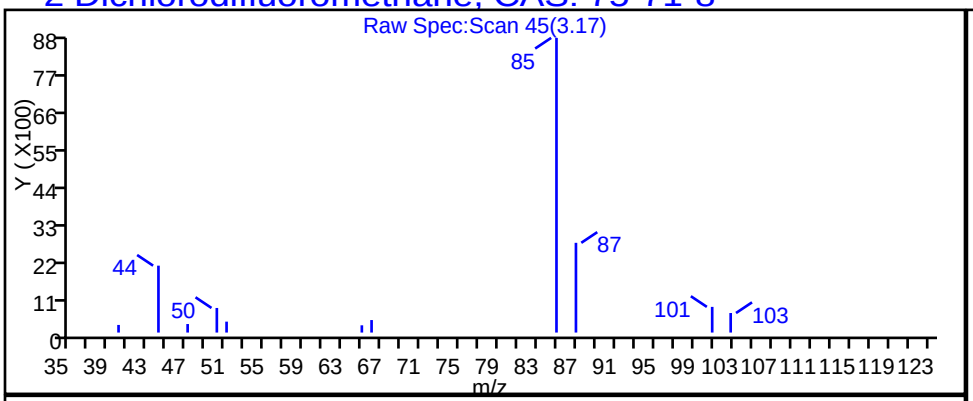
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

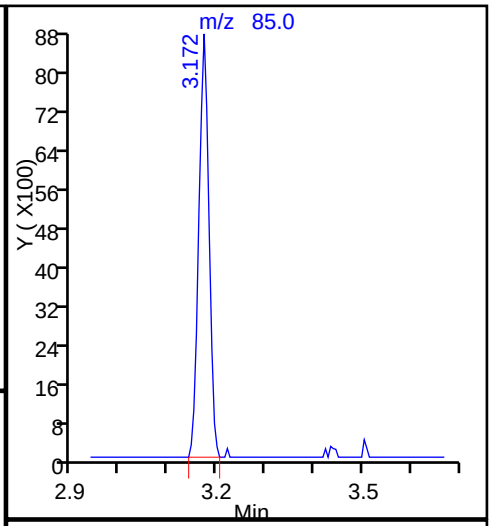


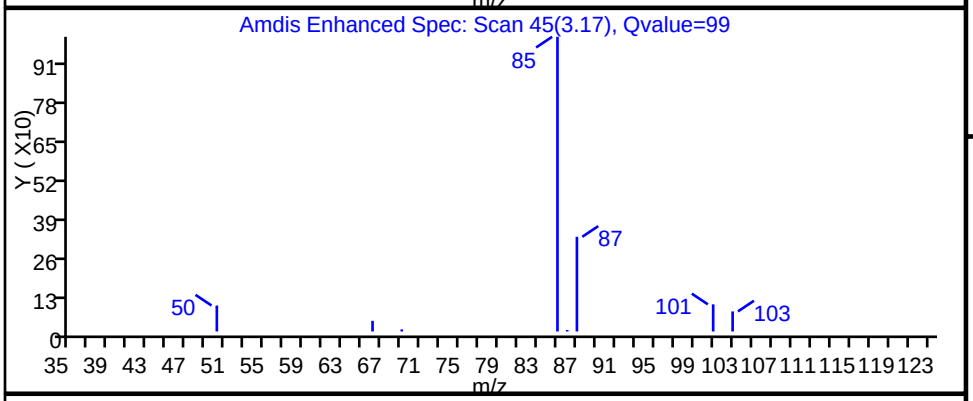
TestAmerica Burlington

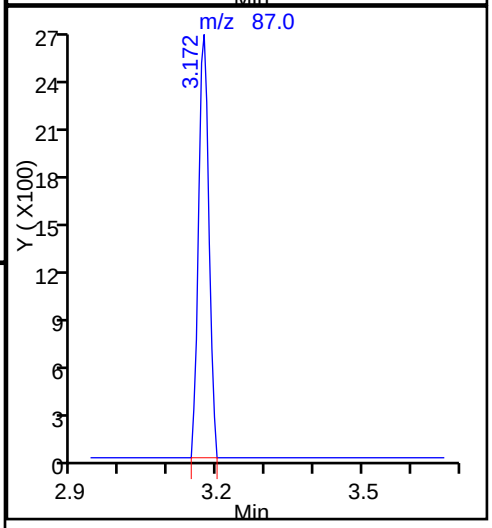
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D				
Injection Date:	04-Sep-2015 23:13:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-10	Lab Sample ID:	200-29580-10		
Client ID:	774IA1NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

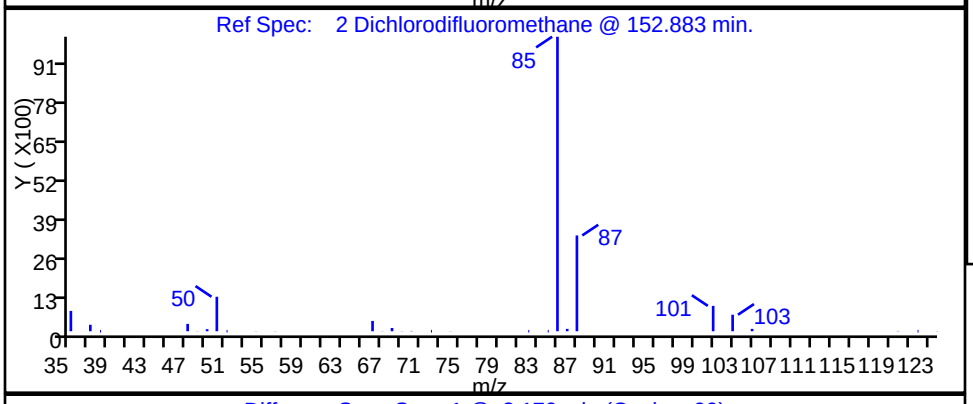
2 Dichlorodifluoromethane, CAS: 75-71-8

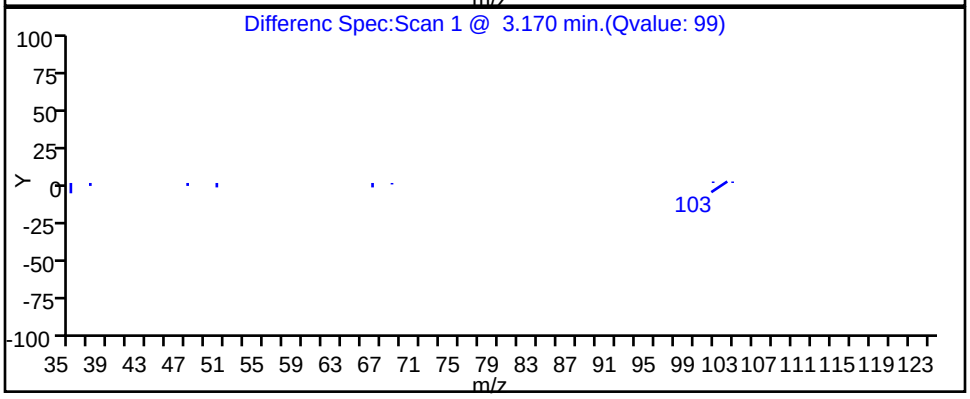








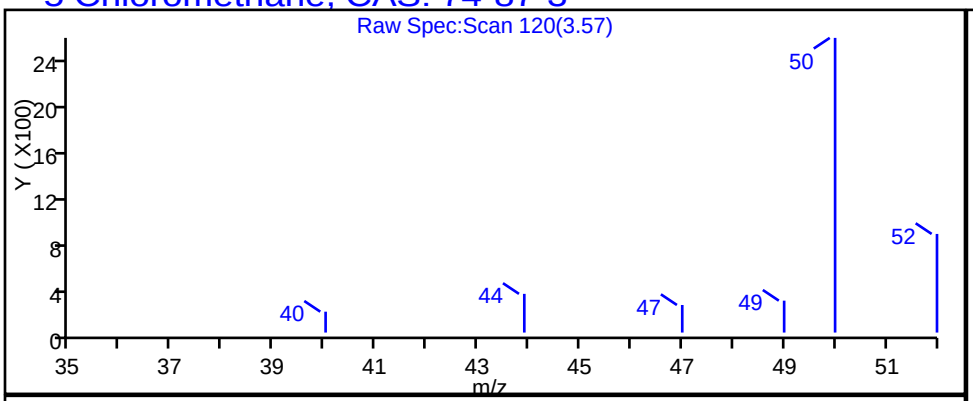


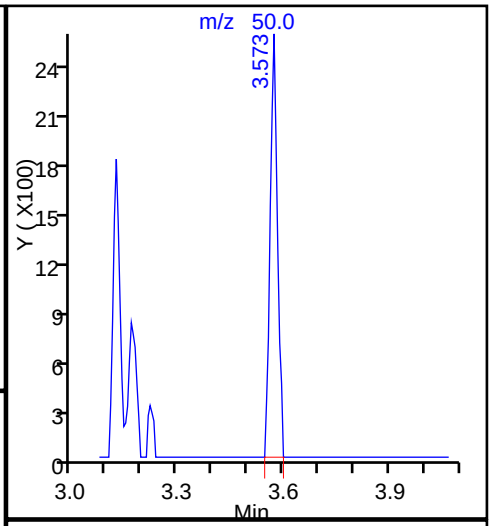


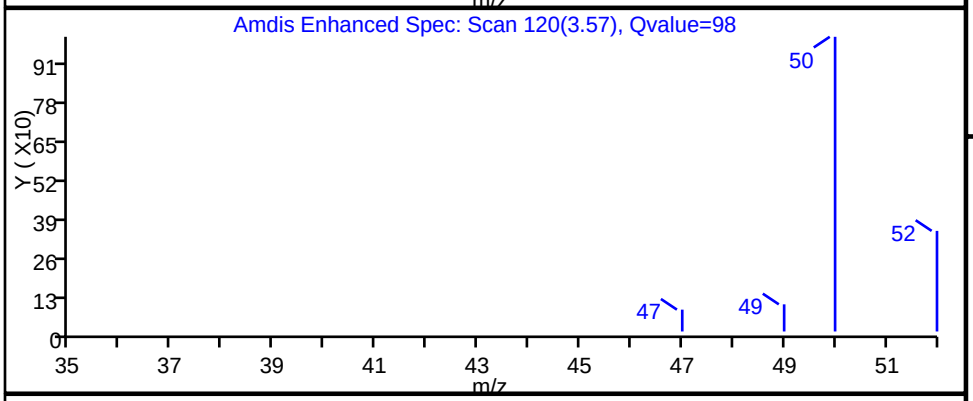
TestAmerica Burlington

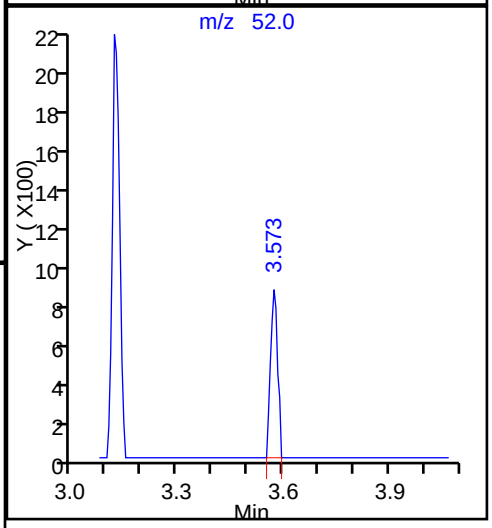
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

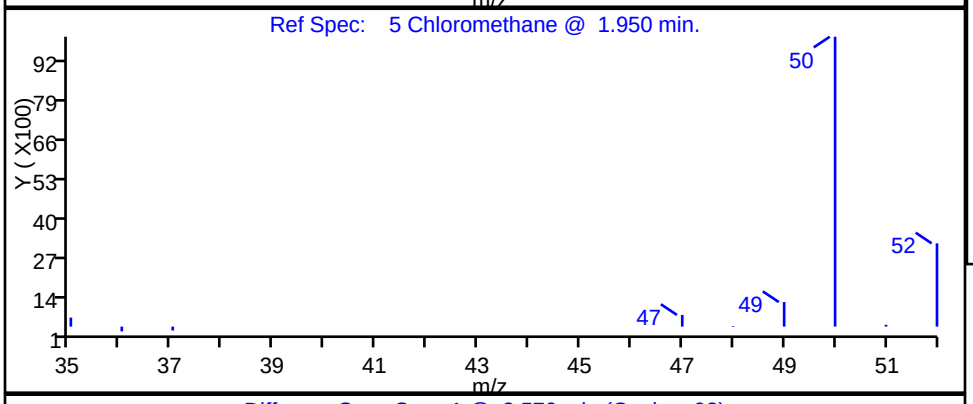
5 Chloromethane, CAS: 74-87-3

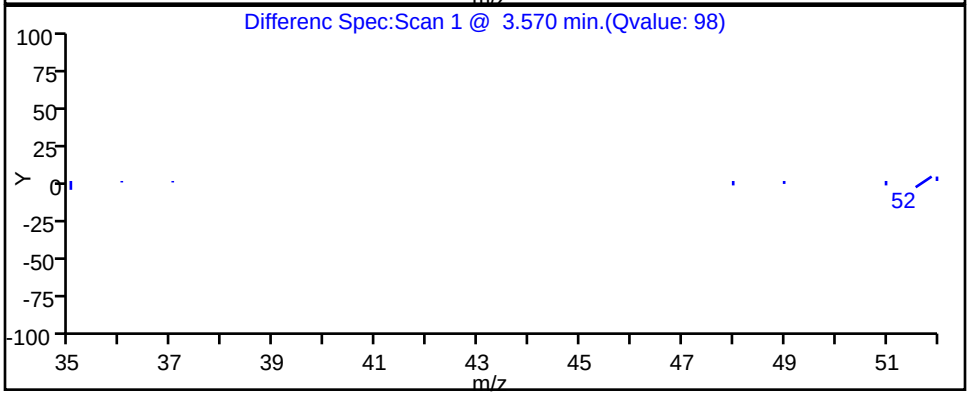








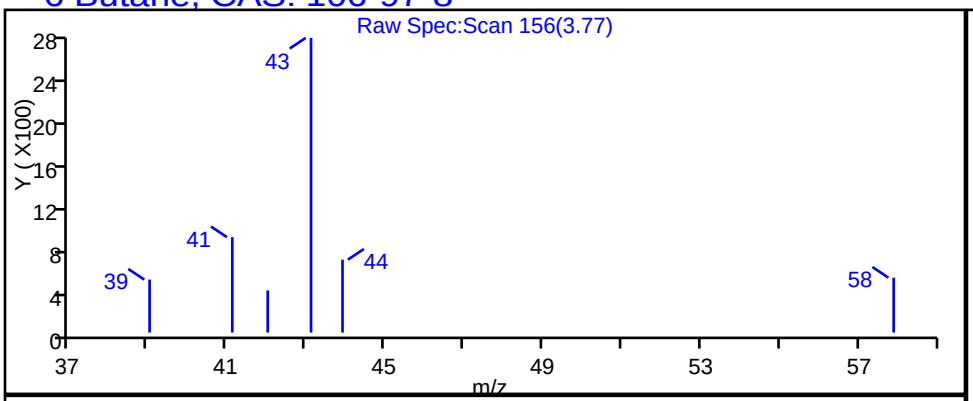


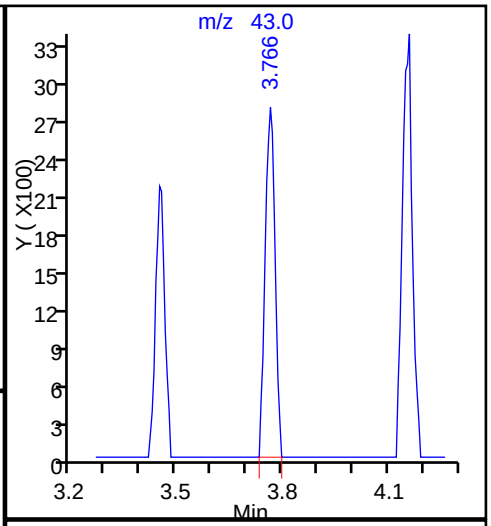


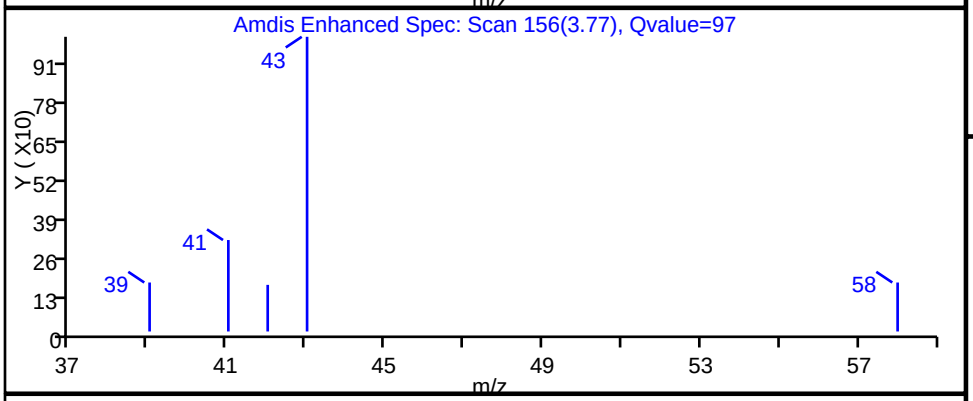
TestAmerica Burlington

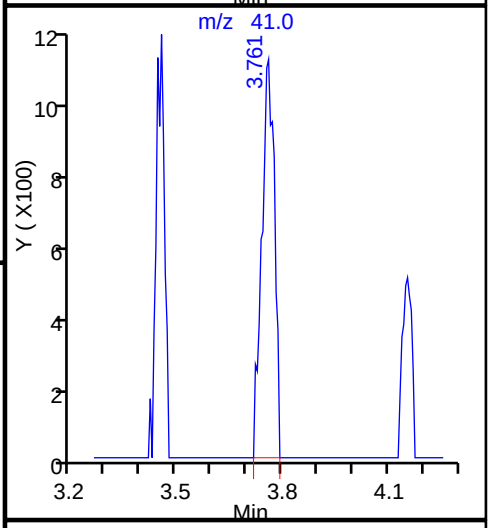
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

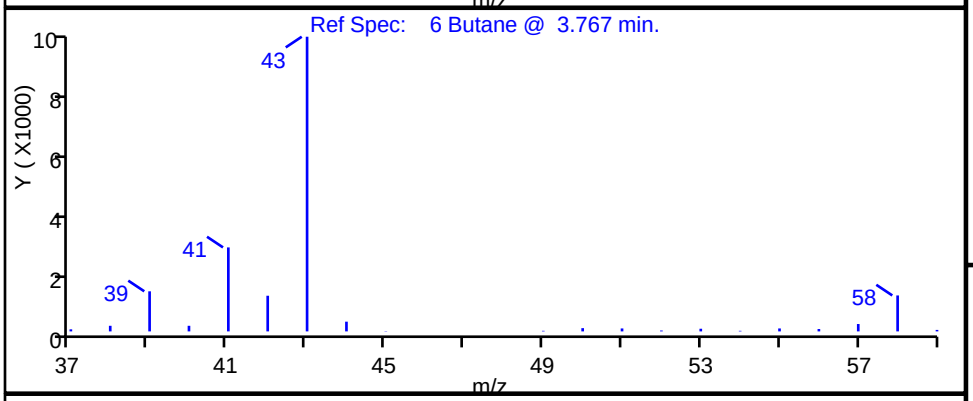
6 Butane, CAS: 106-97-8

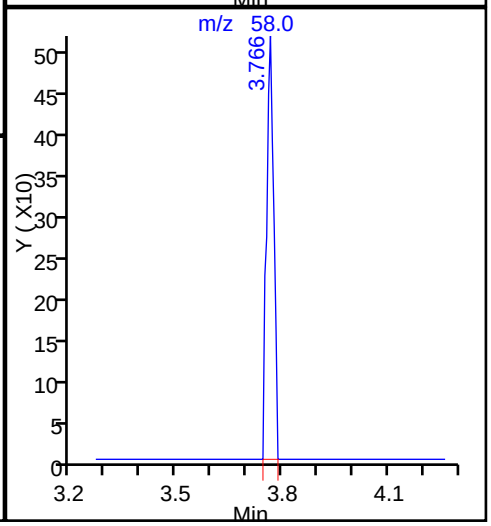


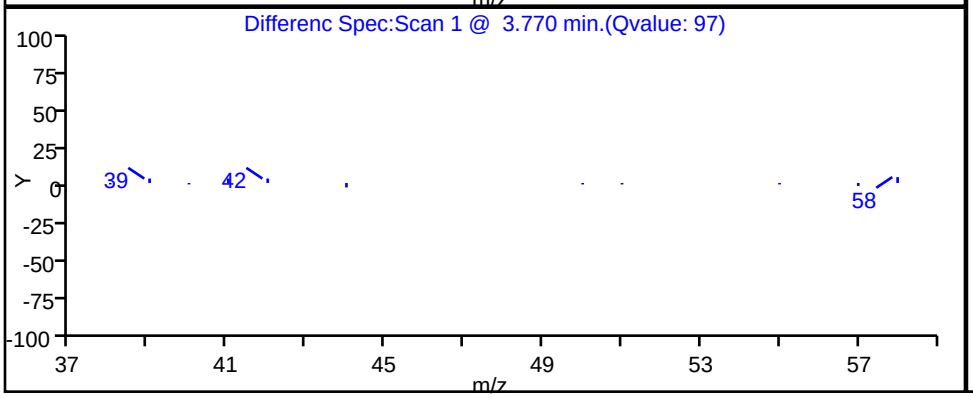












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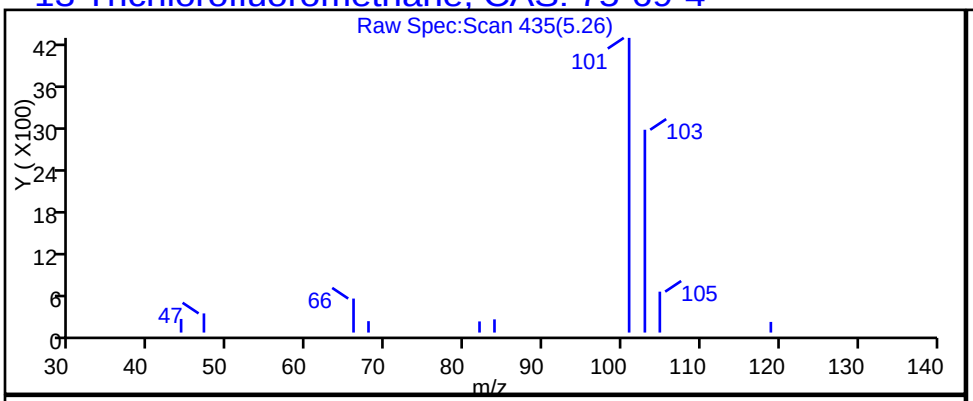
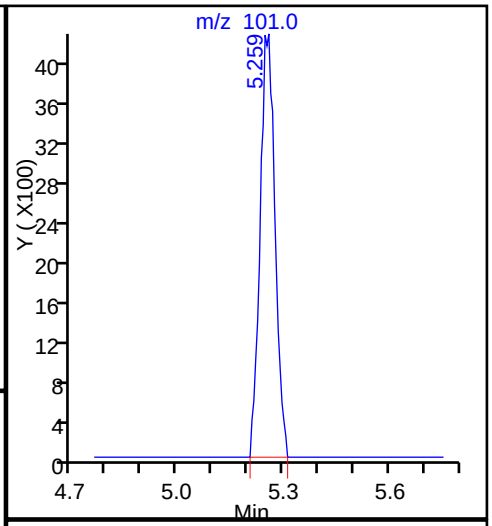
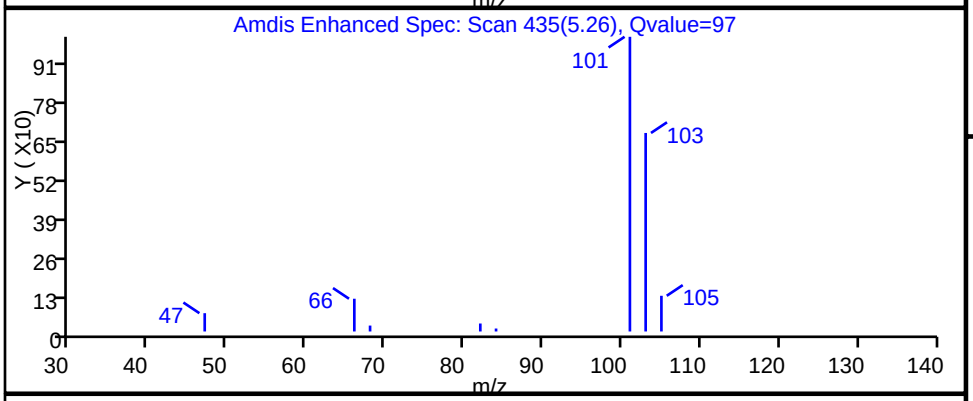
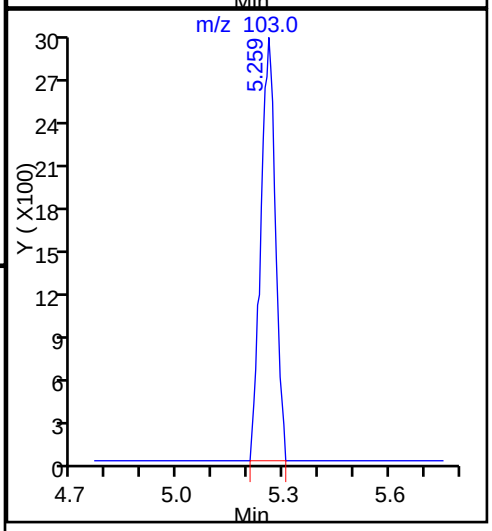
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

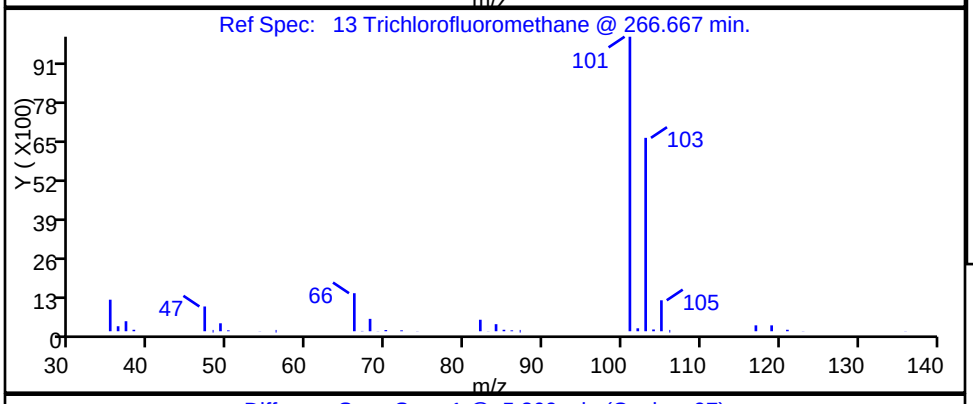
13 Trichlorofluoromethane, CAS: 75-69-4

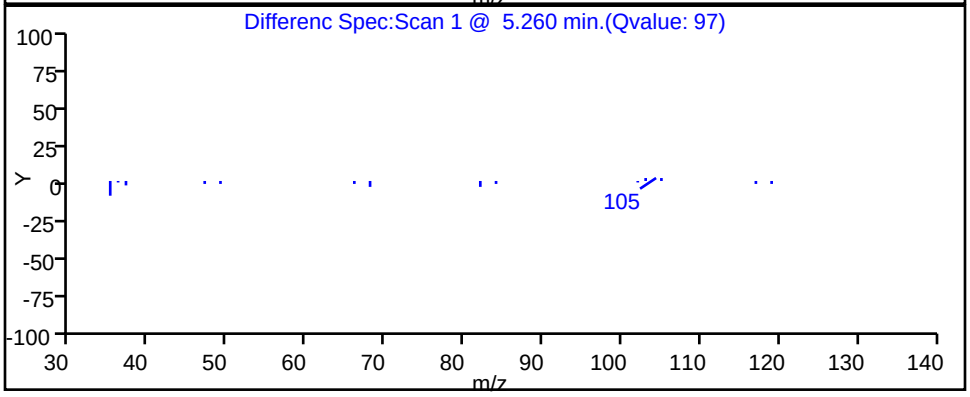






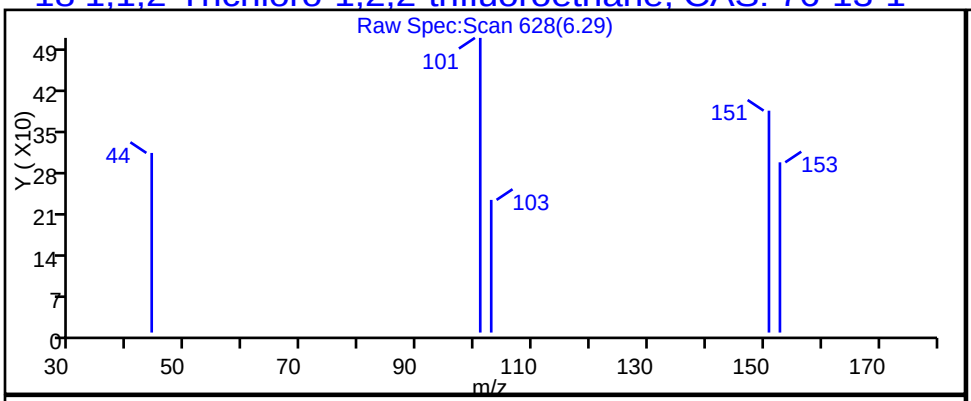


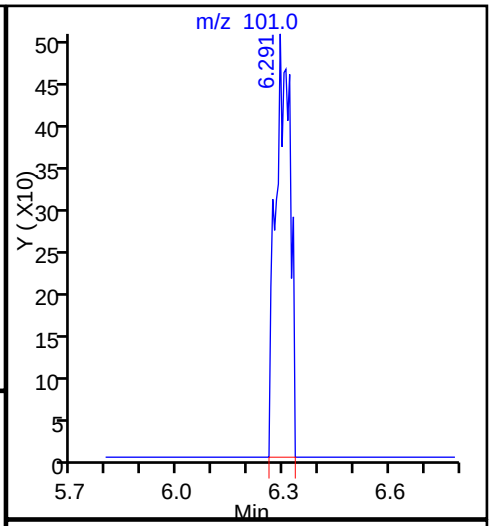


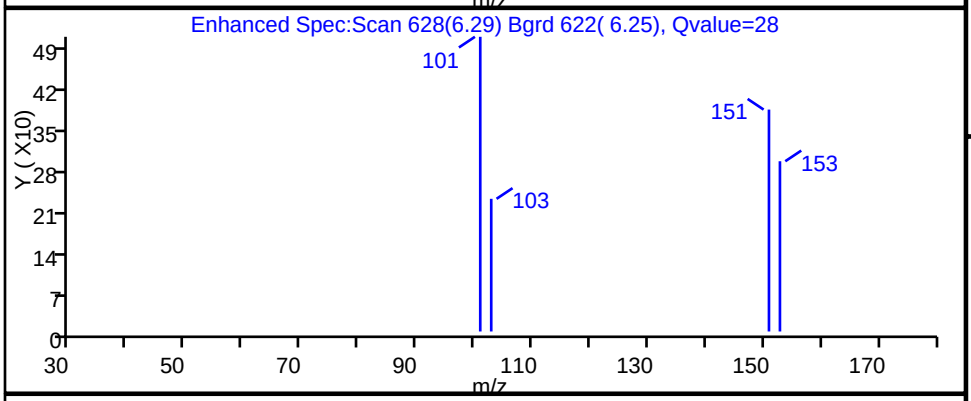


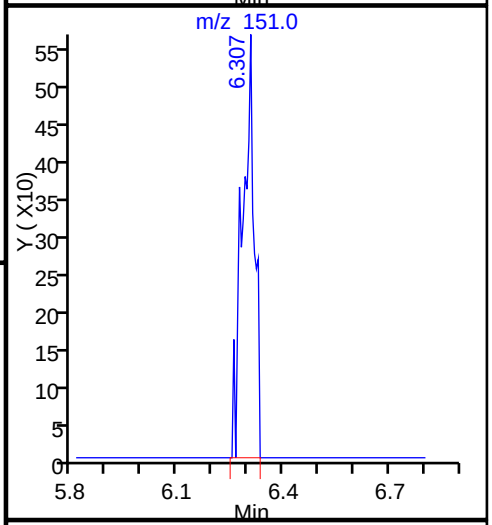
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

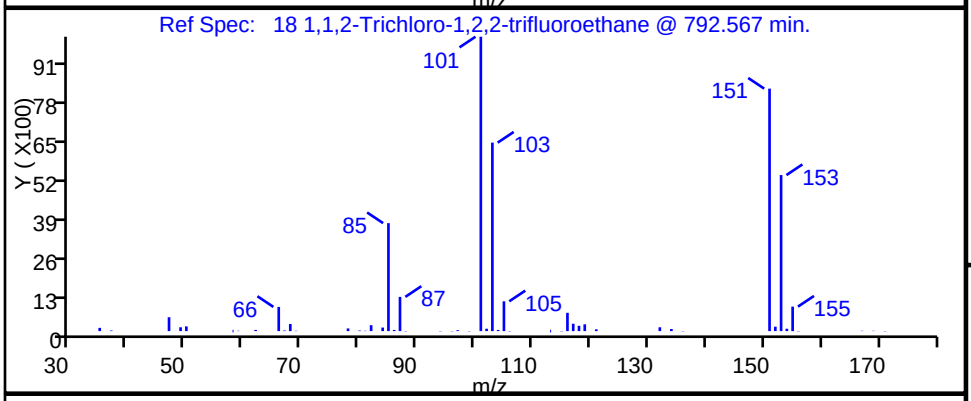
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

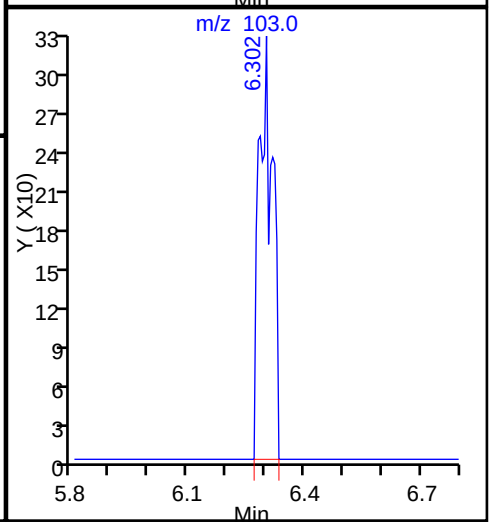


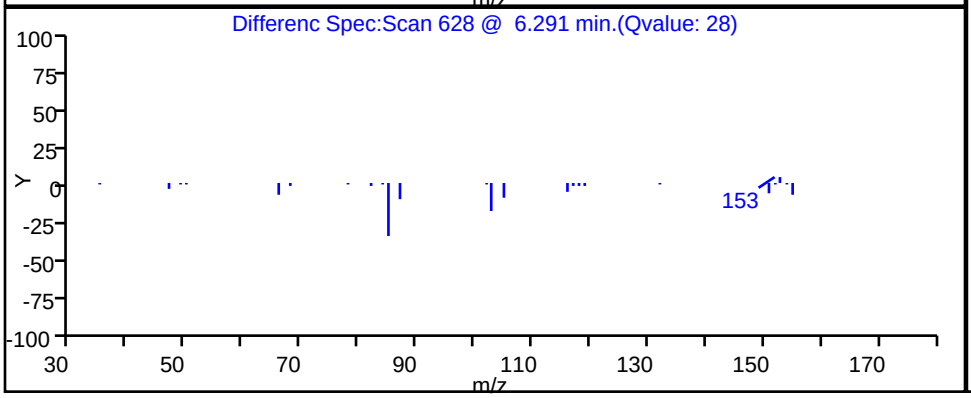






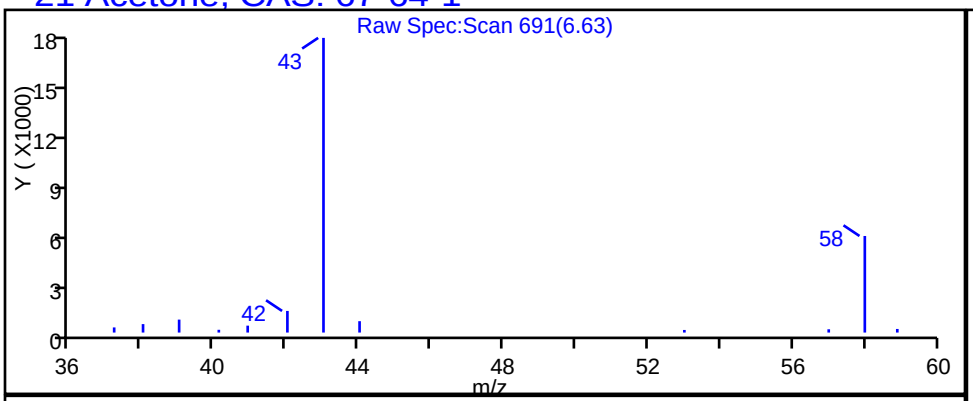


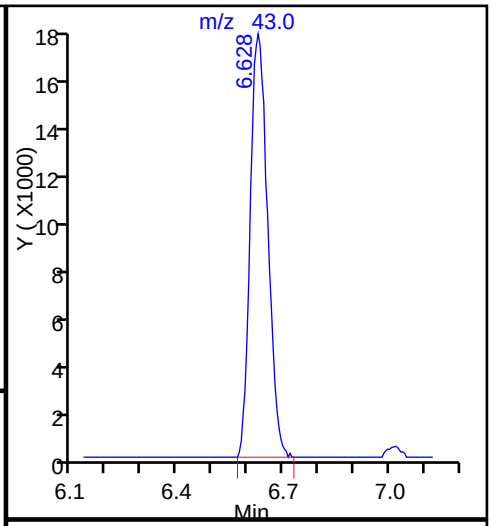


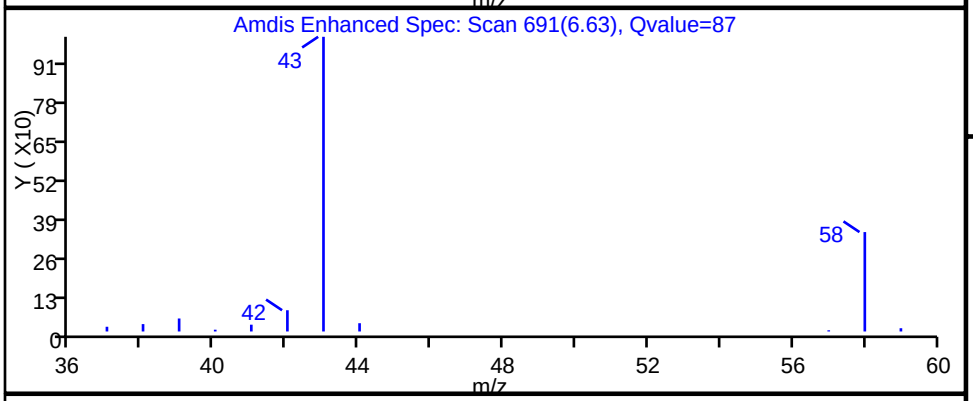


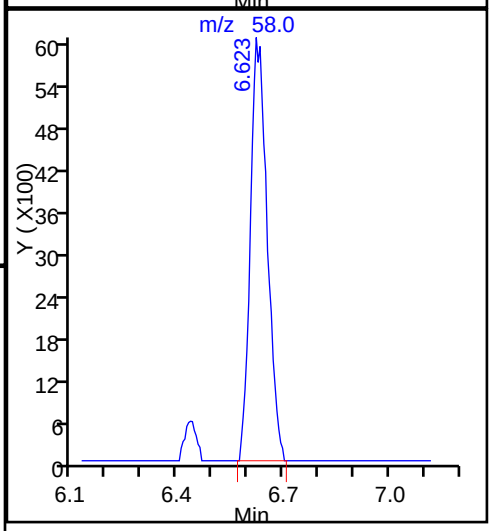
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

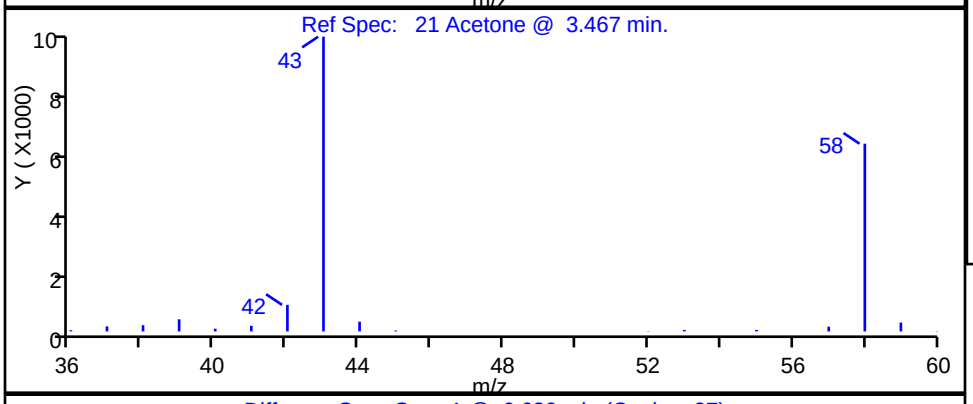
21 Acetone, CAS: 67-64-1

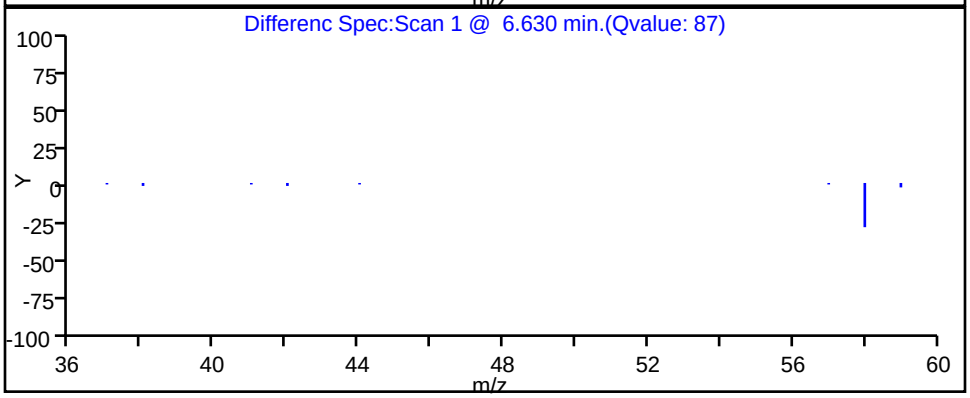








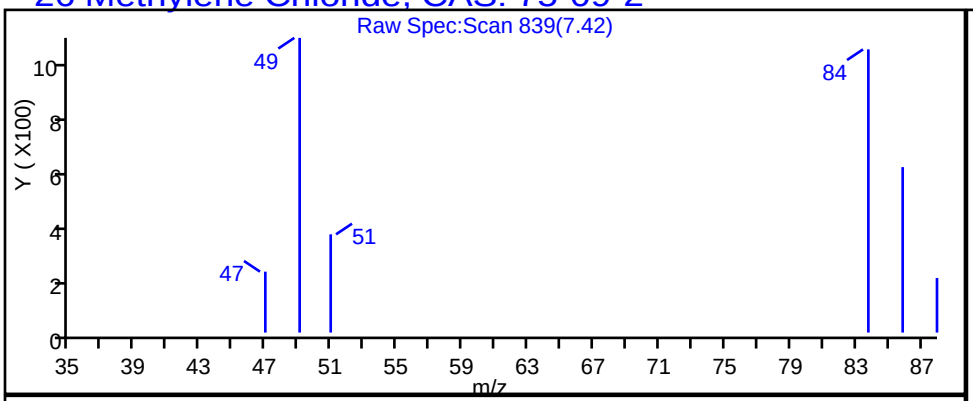


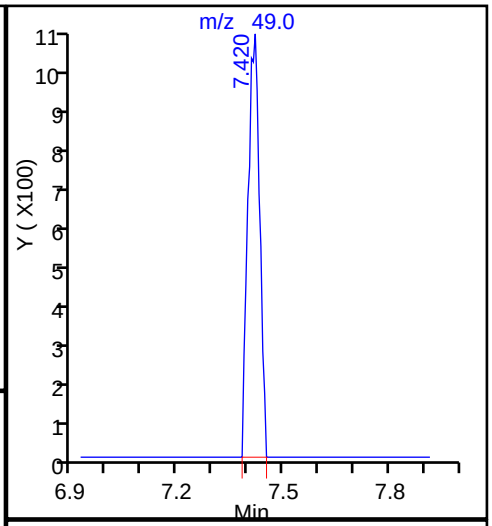


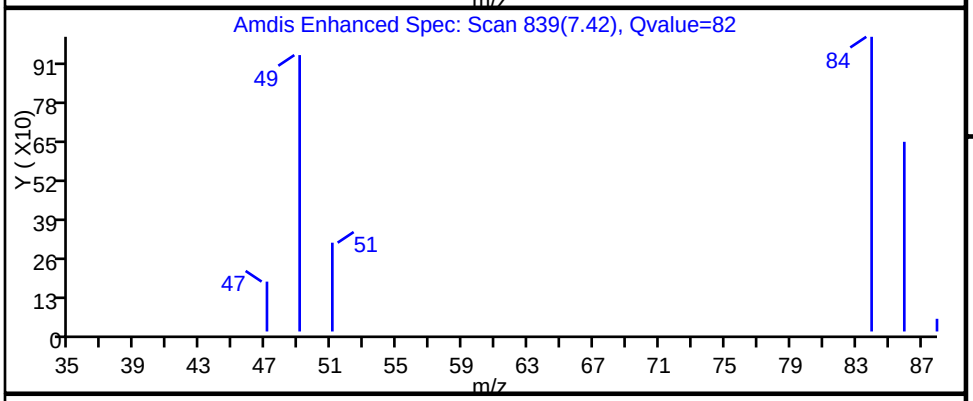
TestAmerica Burlington

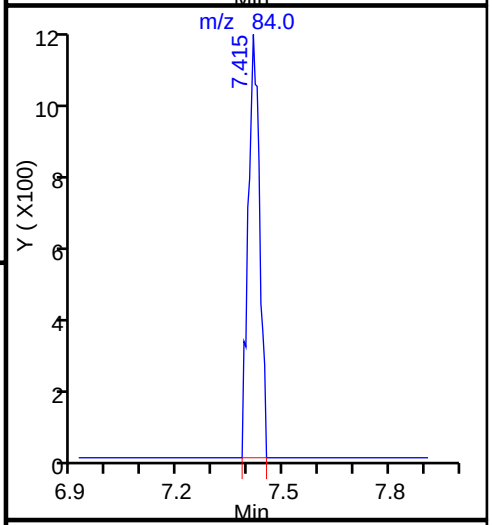
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

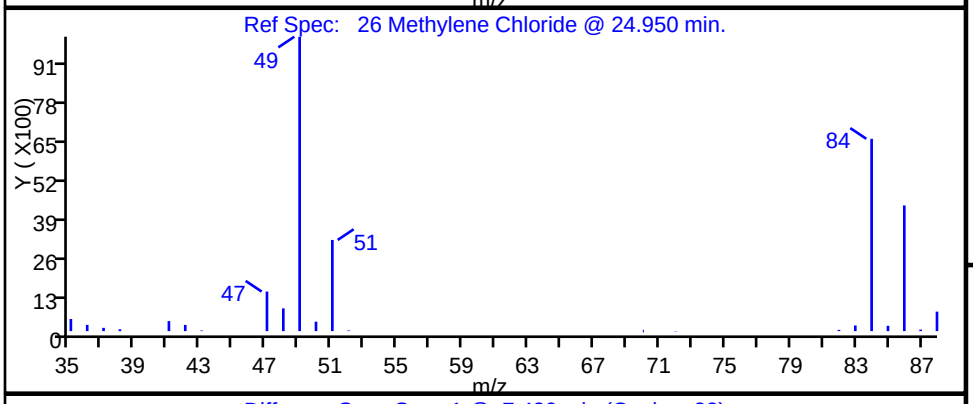
26 Methylene Chloride, CAS: 75-09-2

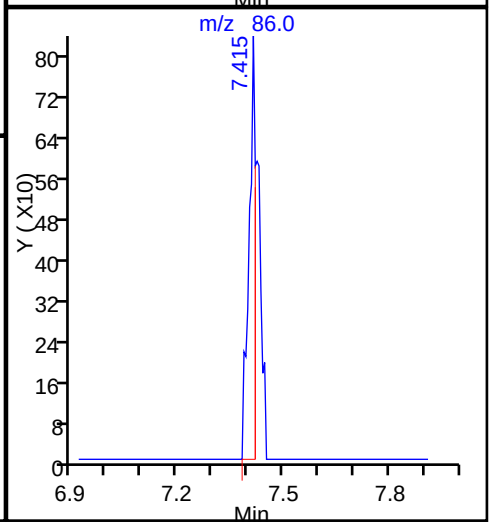


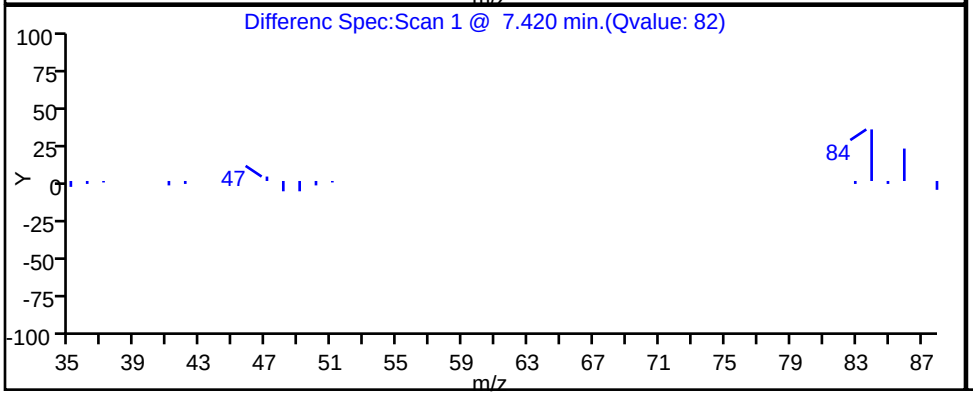








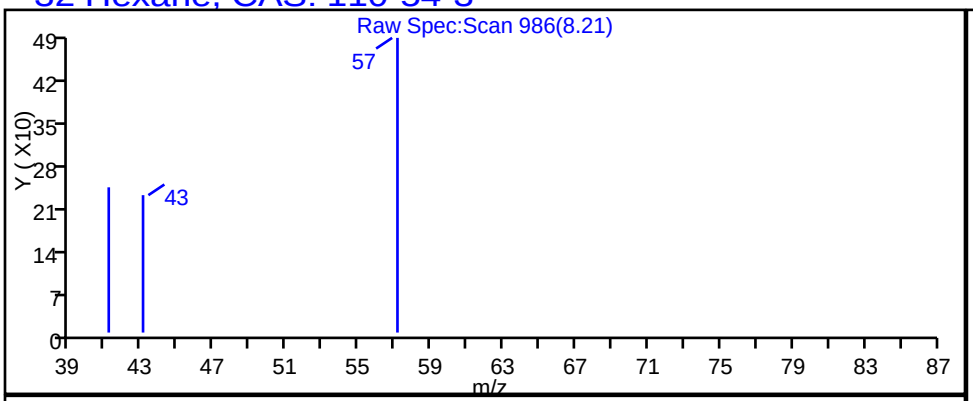


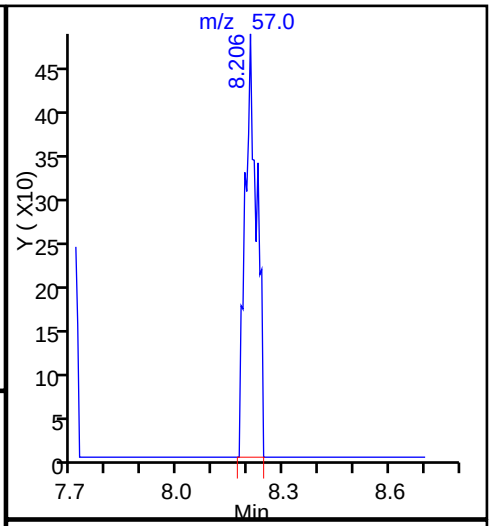


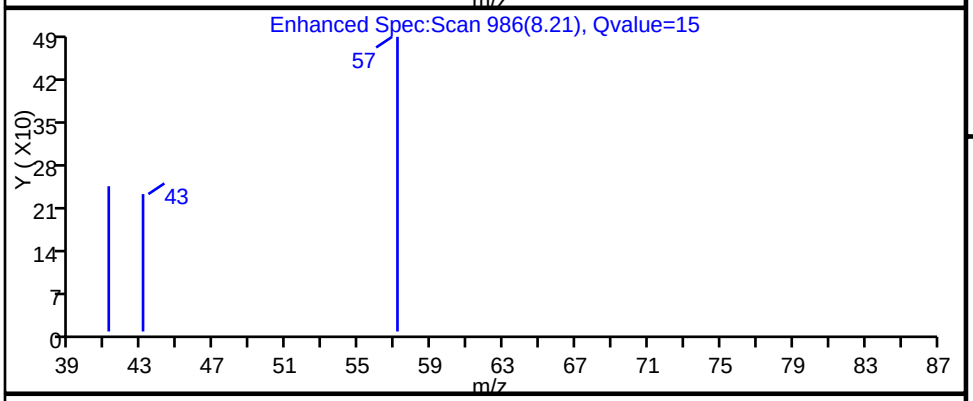
TestAmerica Burlington

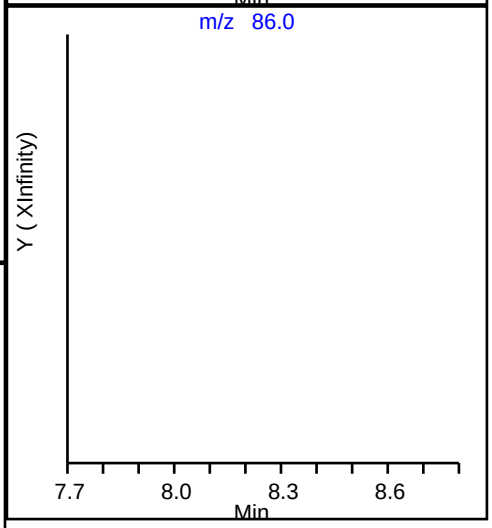
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

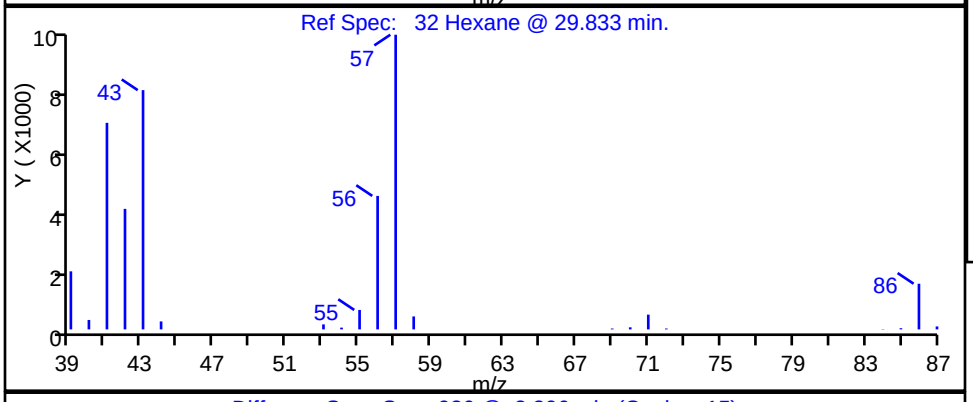
32 Hexane, CAS: 110-54-3

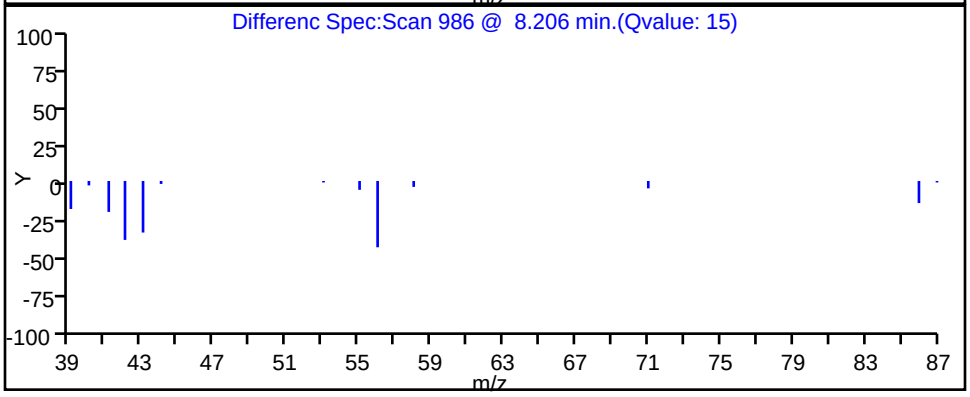






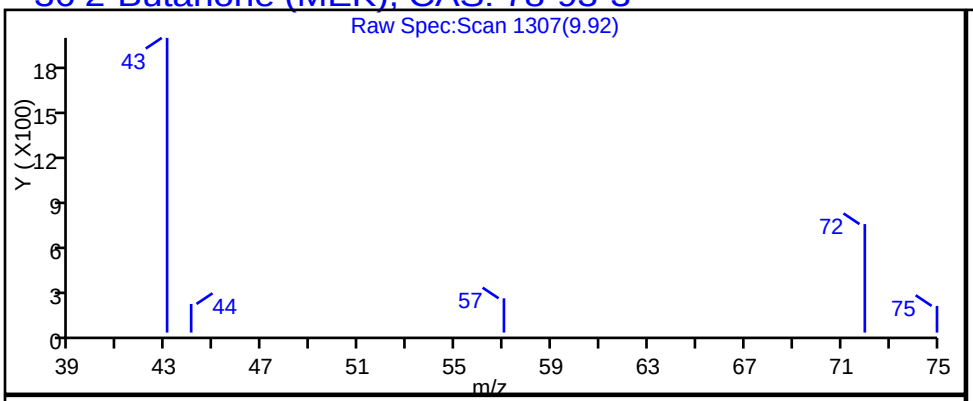


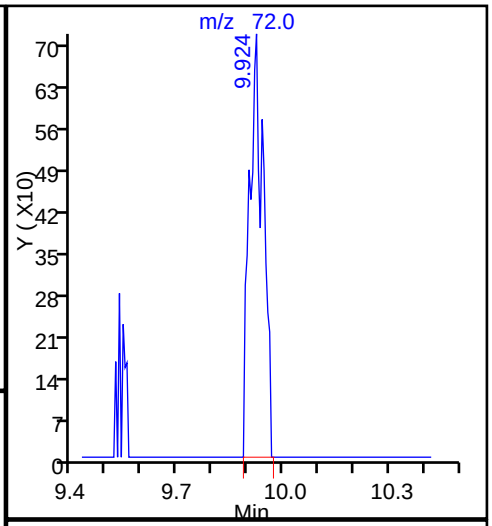


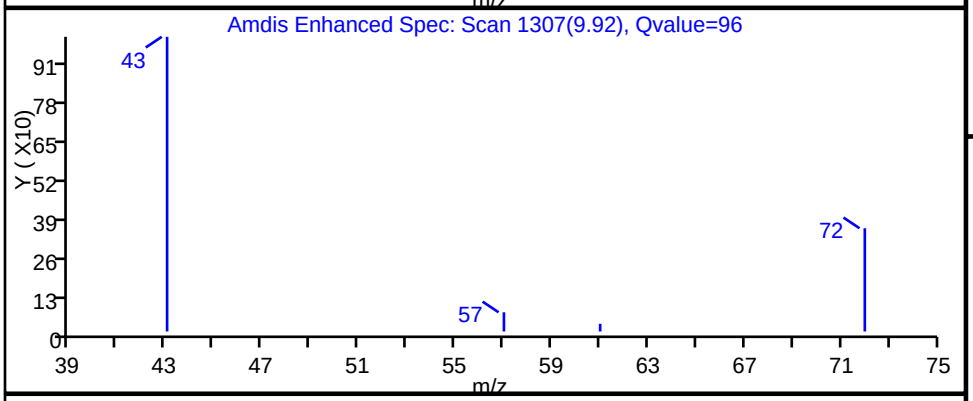


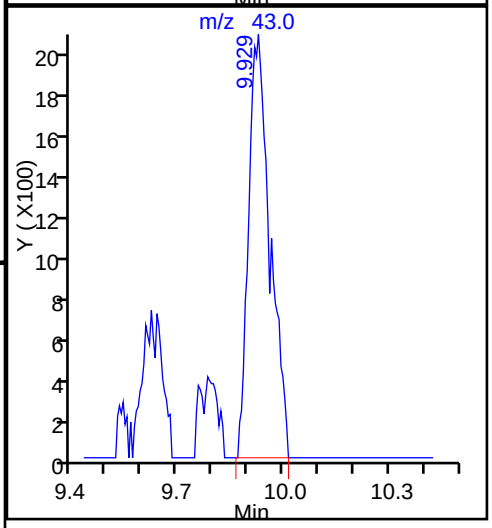
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

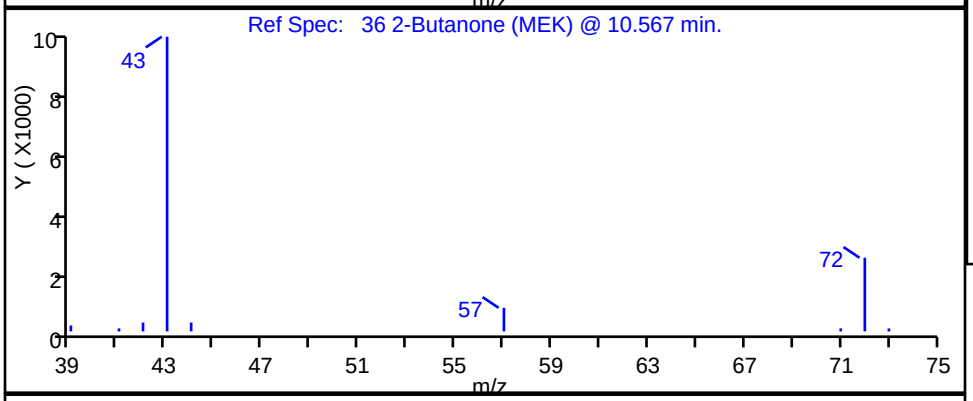
36 2-Butanone (MEK), CAS: 78-93-3

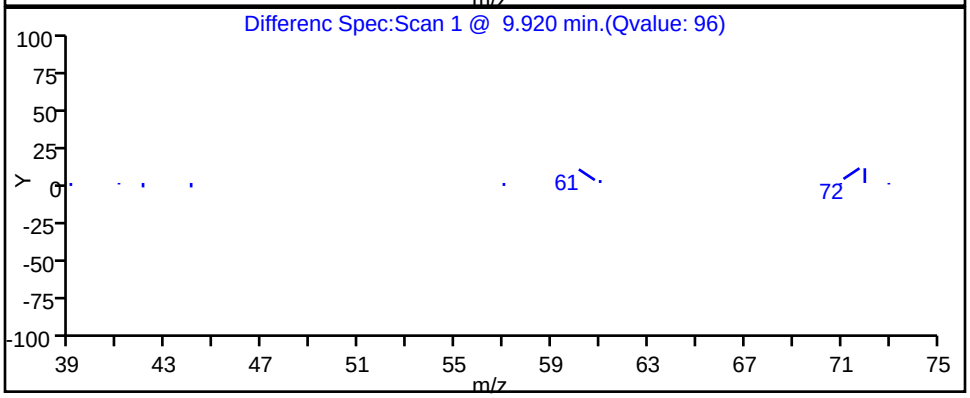






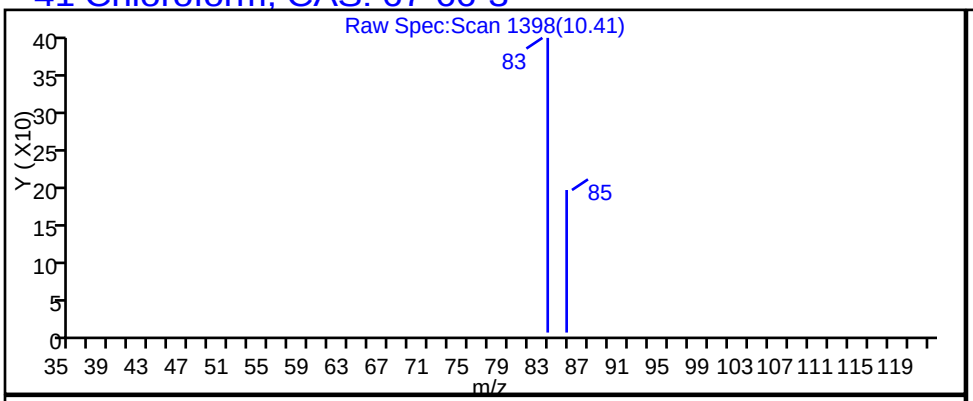


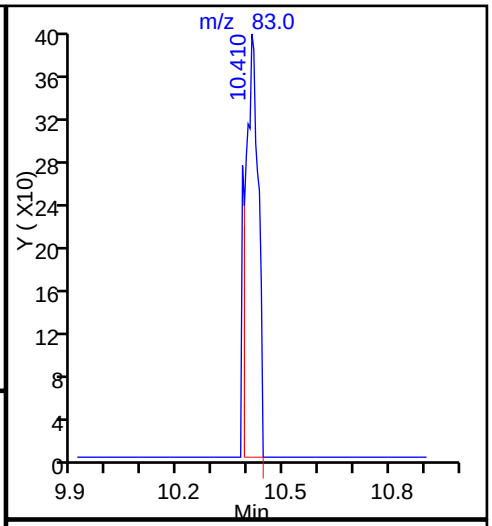


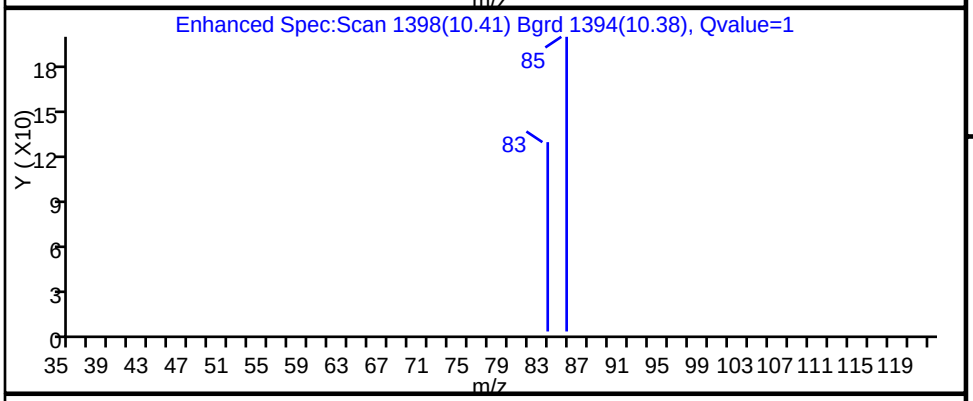


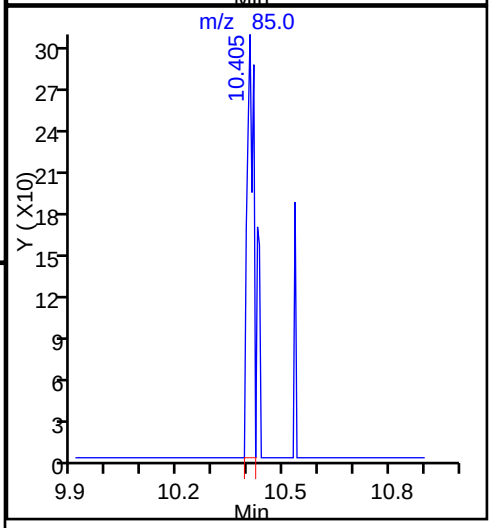
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

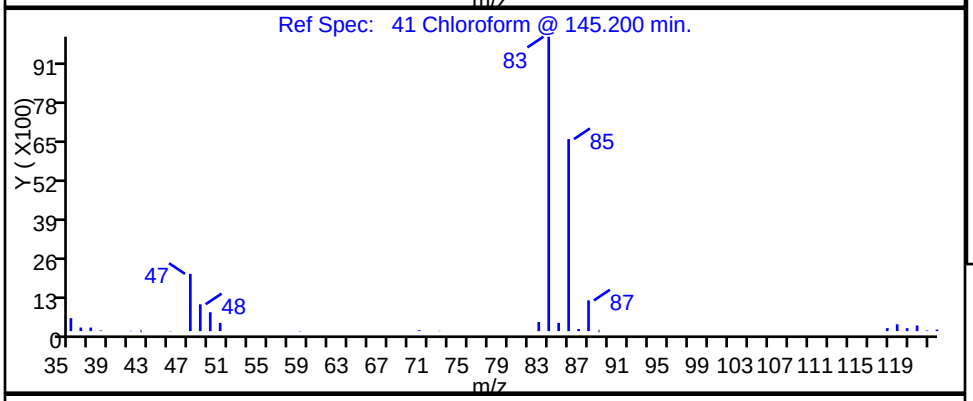
41 Chloroform, CAS: 67-66-3

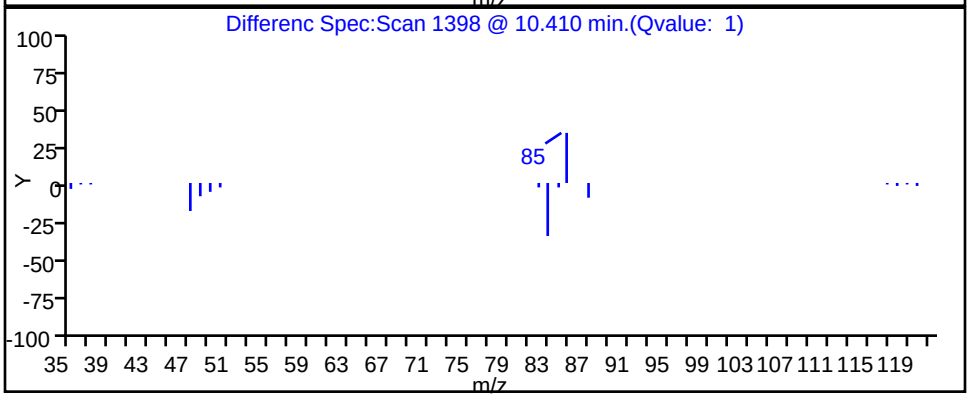






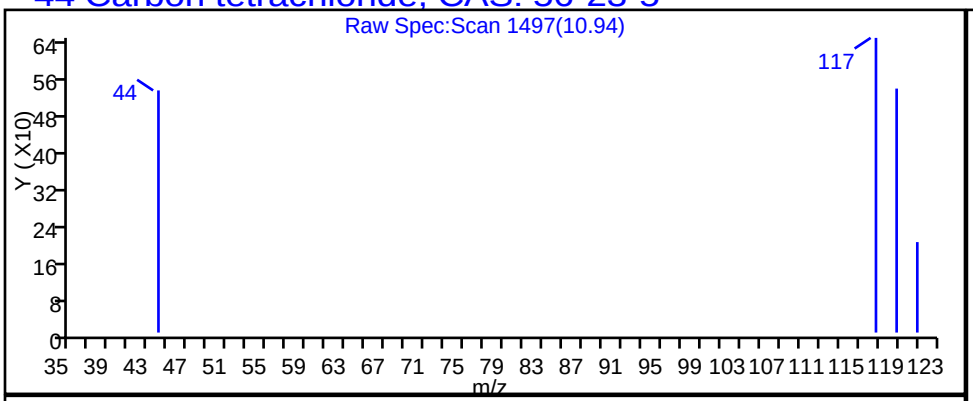


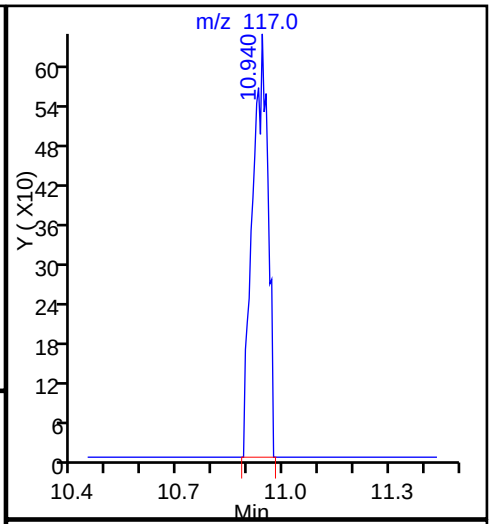


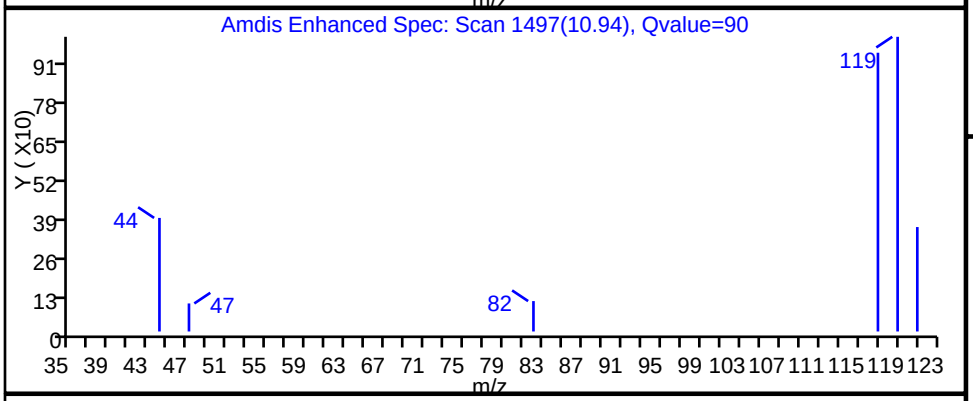


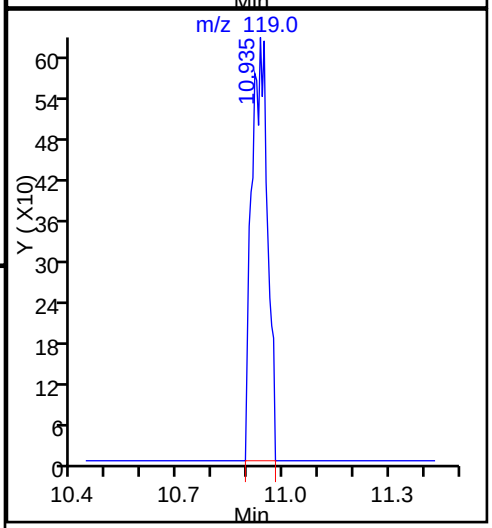
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

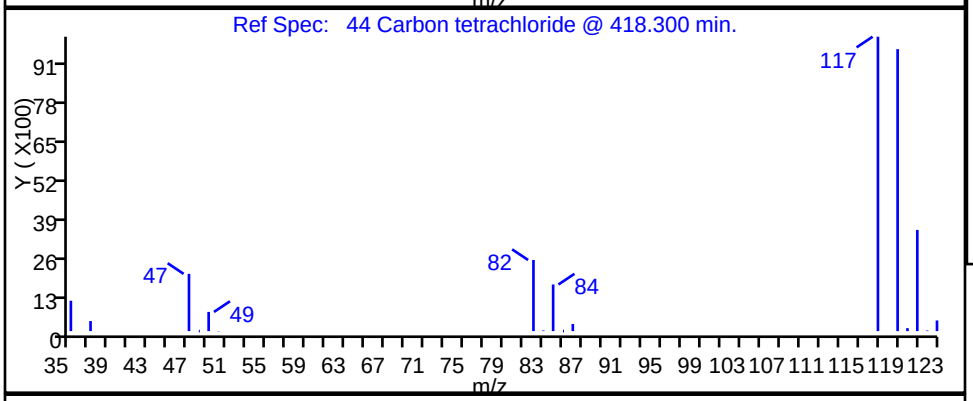
44 Carbon tetrachloride, CAS: 56-23-5

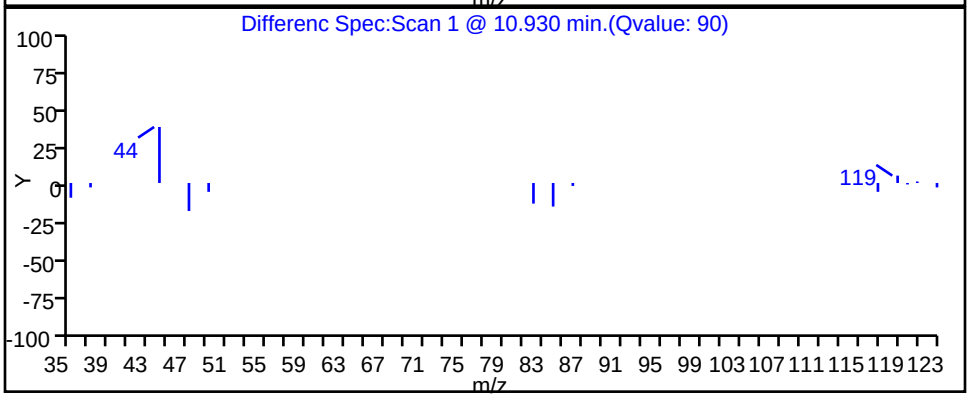






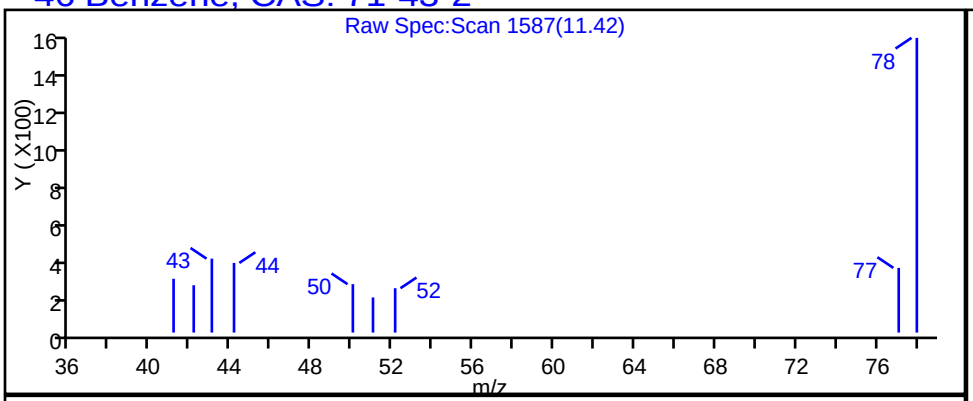


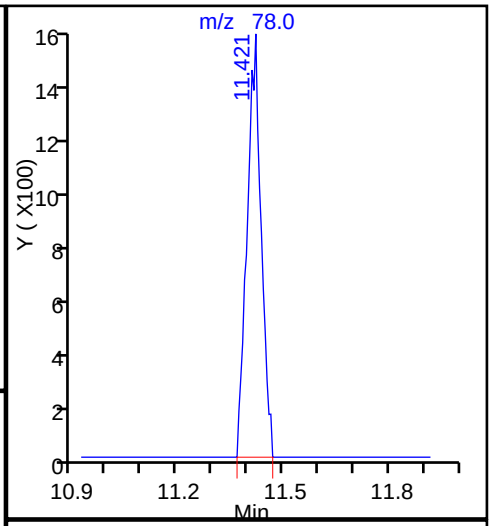


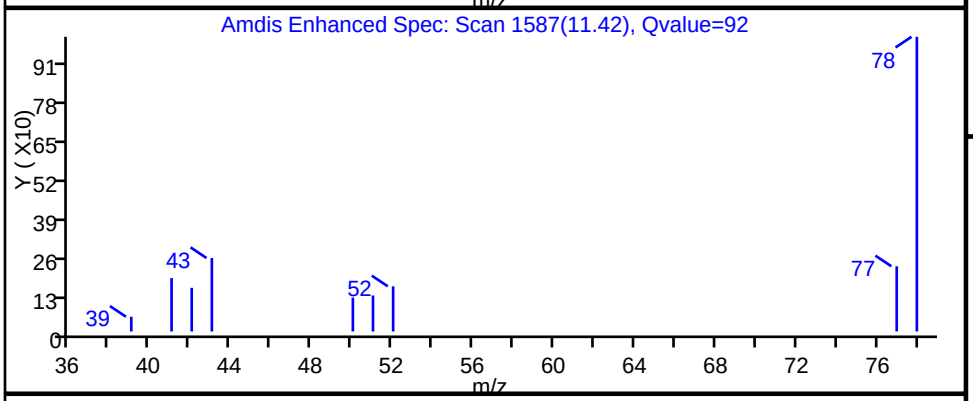


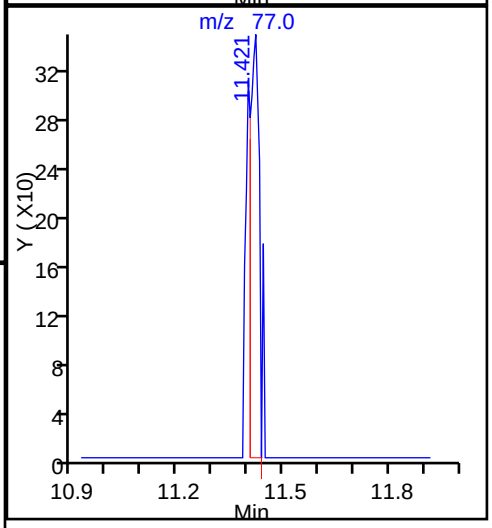
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

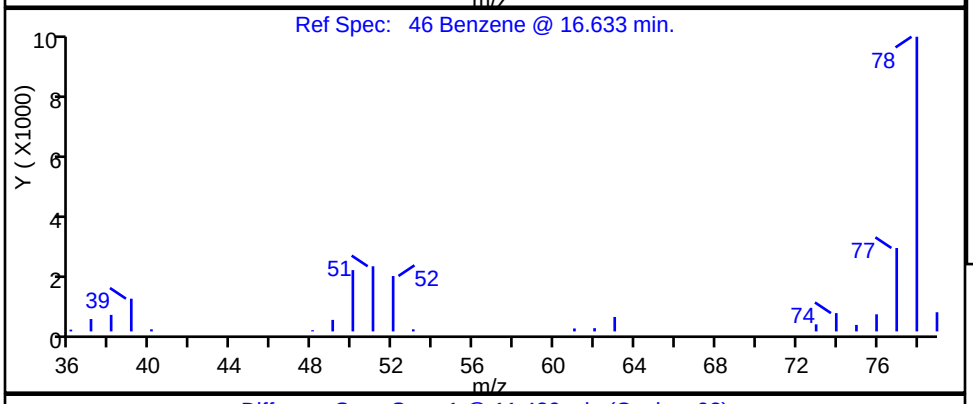
46 Benzene, CAS: 71-43-2

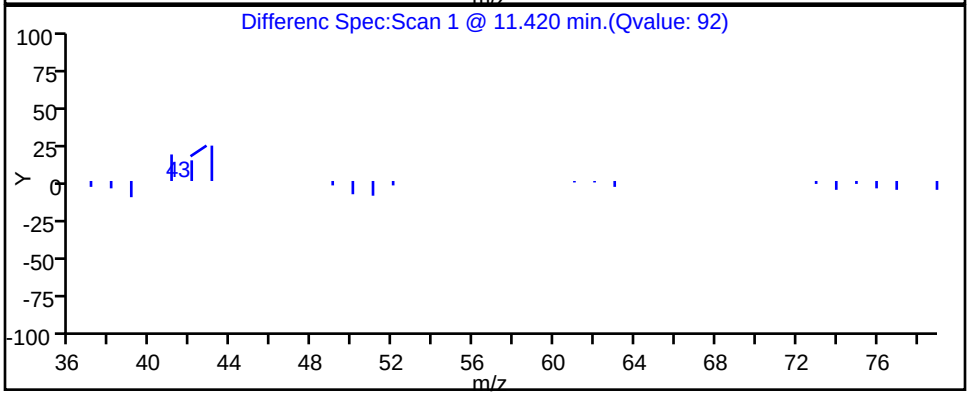








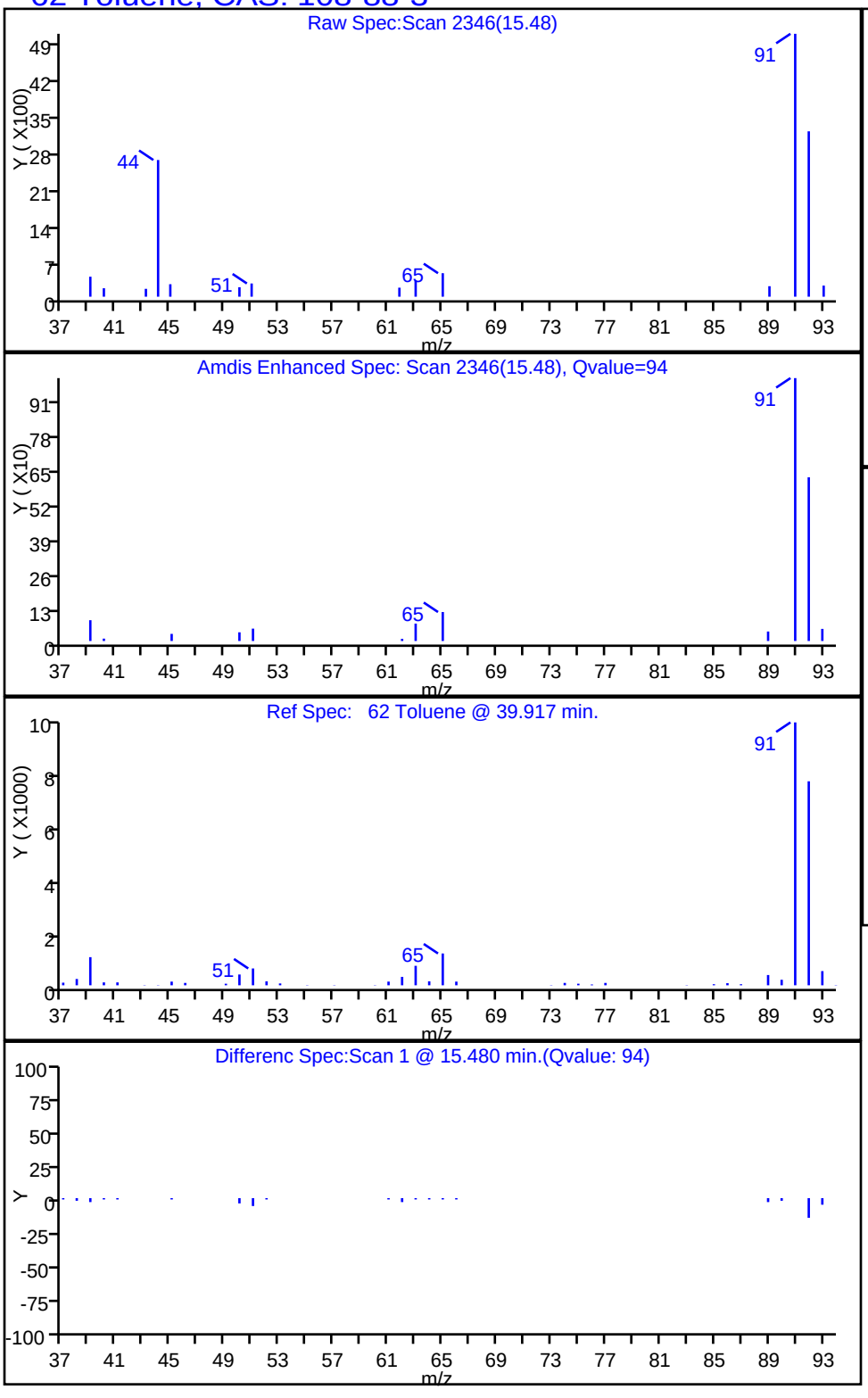


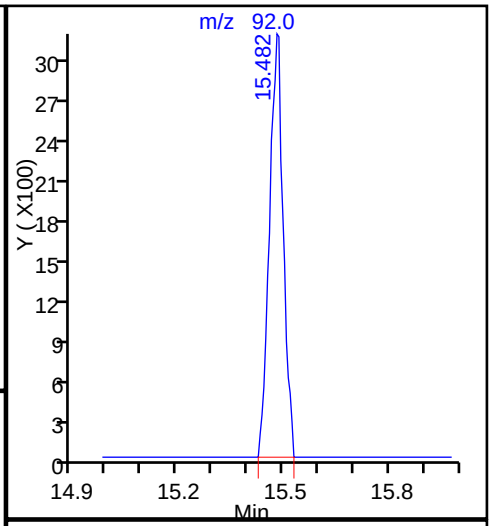


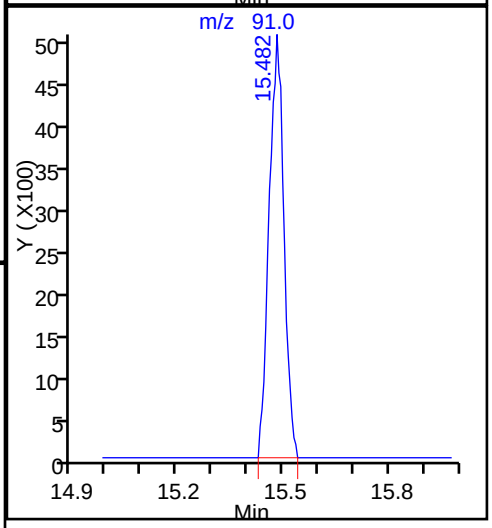
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

62 Toluene, CAS: 108-88-3



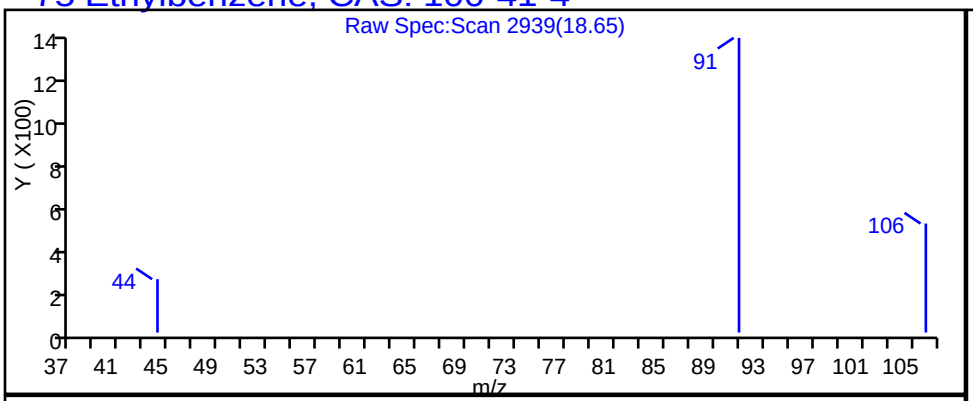


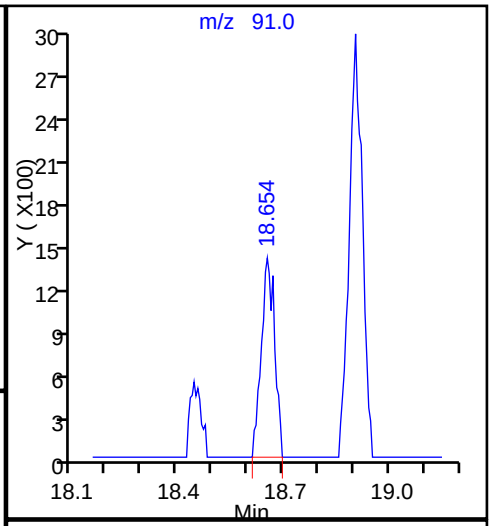


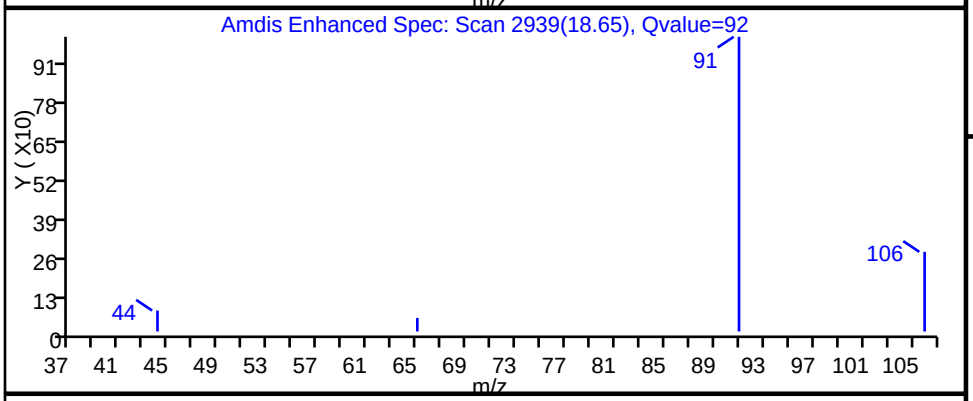
TestAmerica Burlington

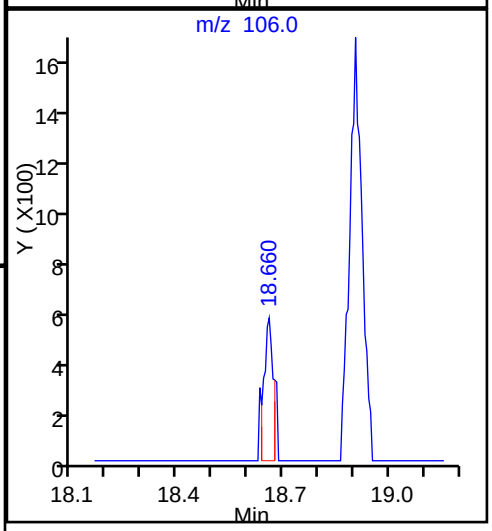
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

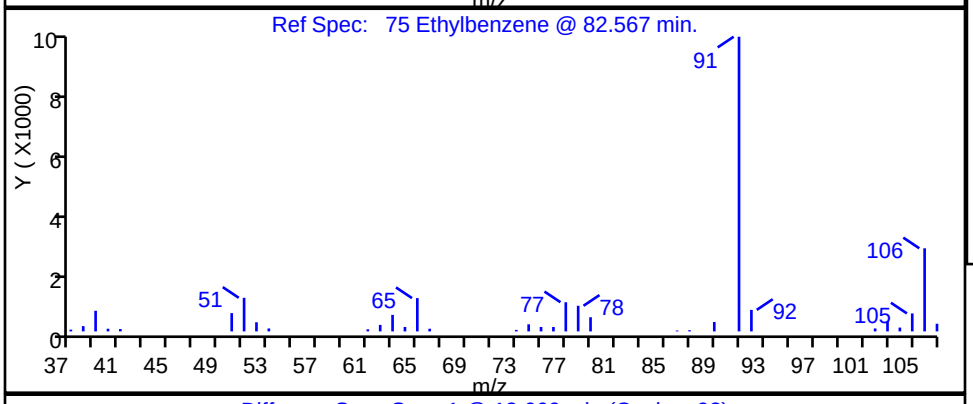
75 Ethylbenzene, CAS: 100-41-4

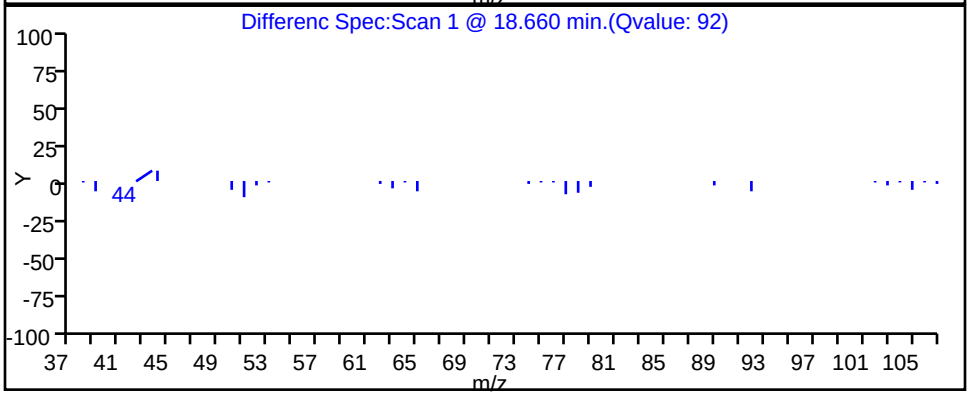






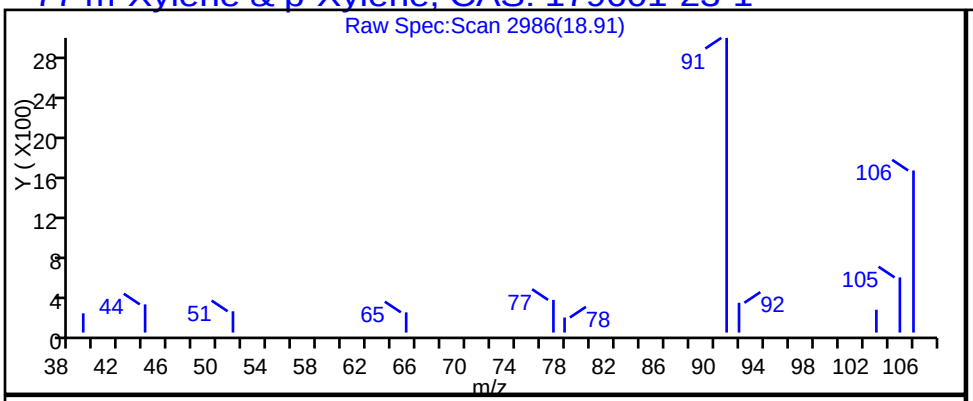


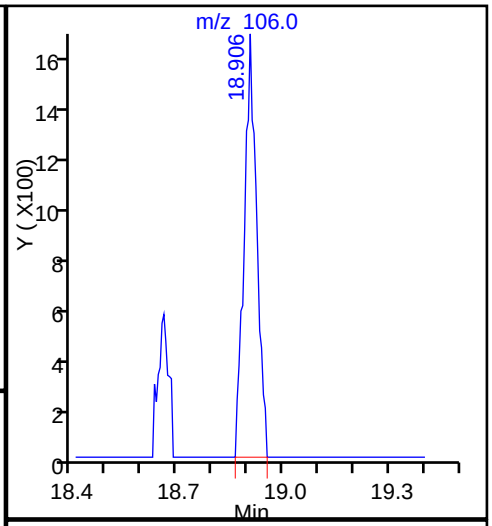


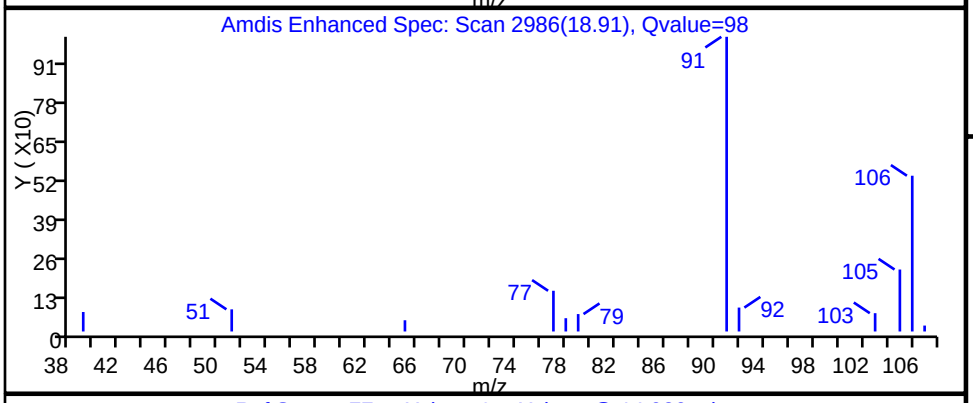


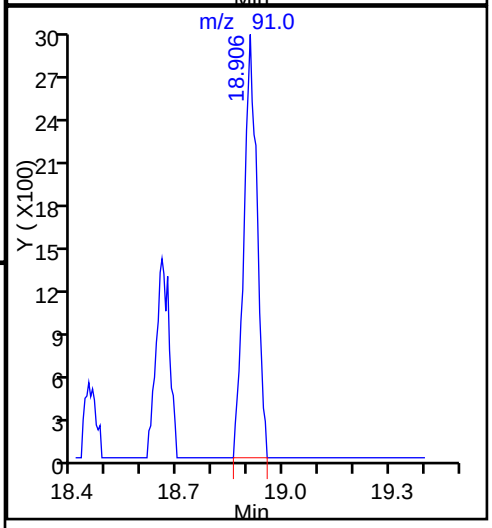
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

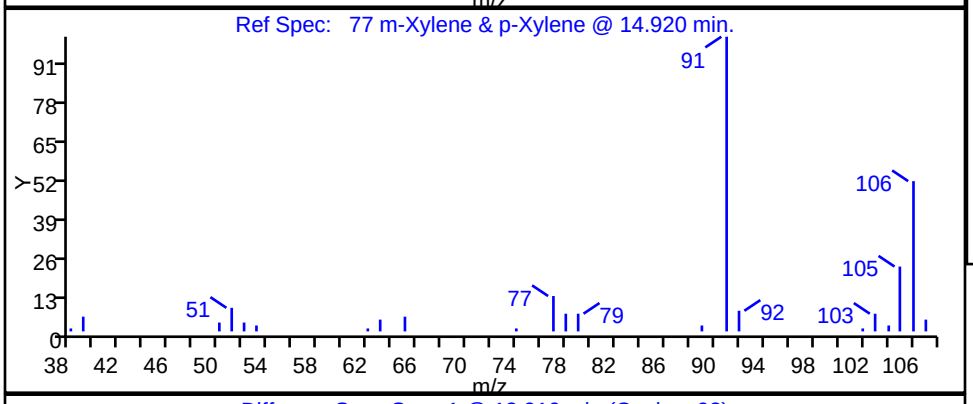
77 m-Xylene & p-Xylene, CAS: 179601-23-1

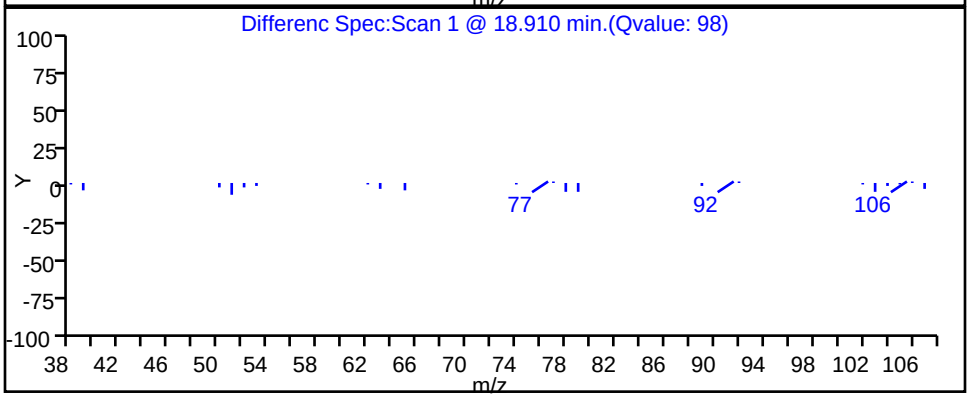








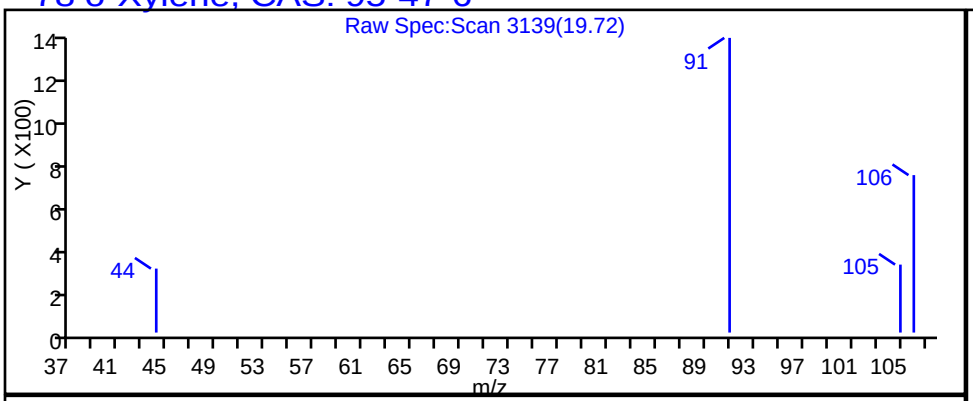


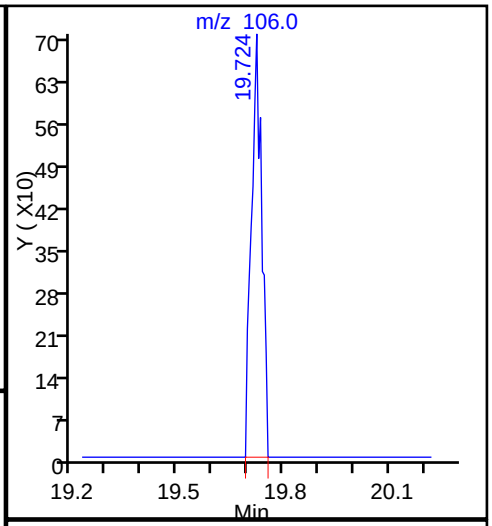


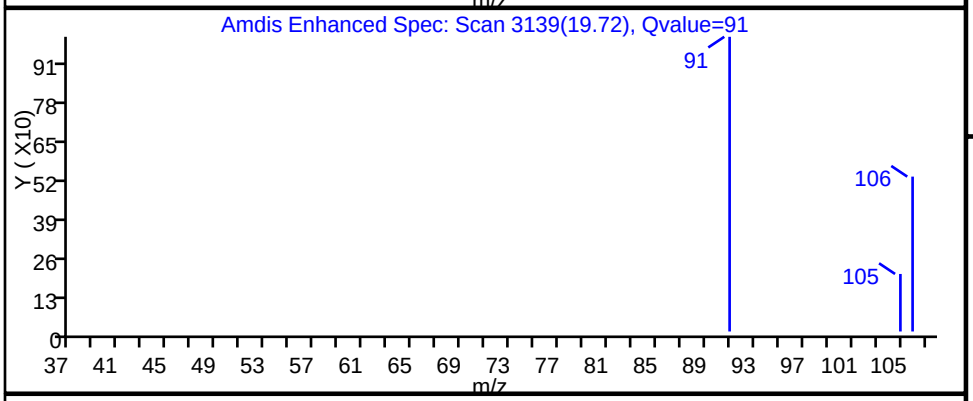
TestAmerica Burlington

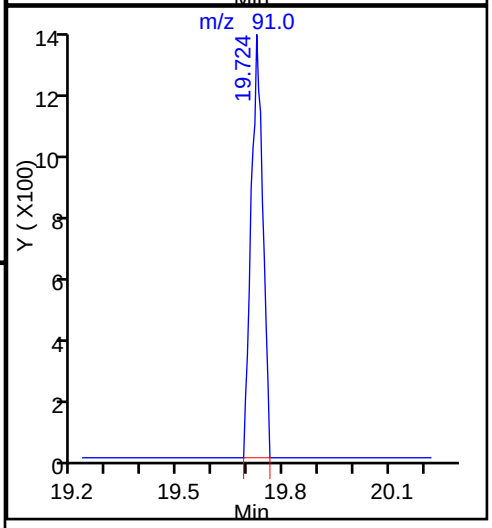
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

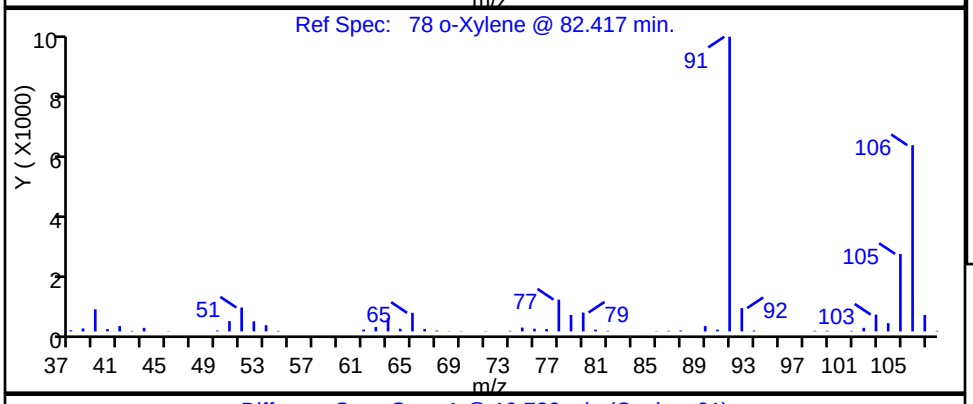
78 o-Xylene, CAS: 95-47-6

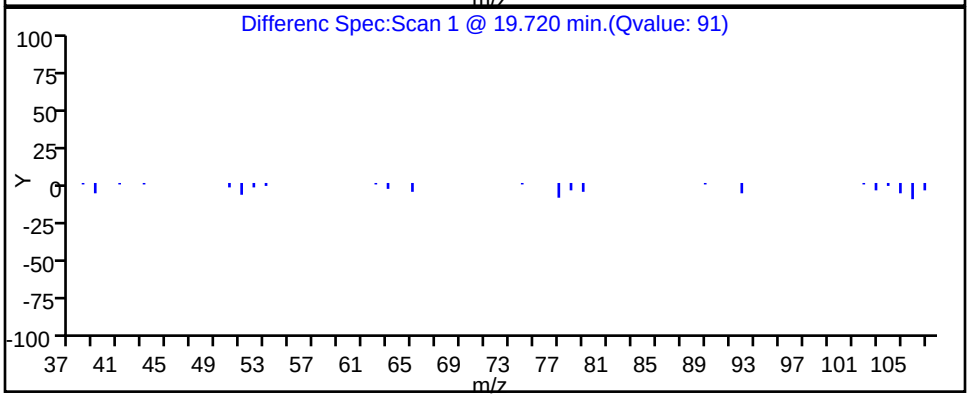








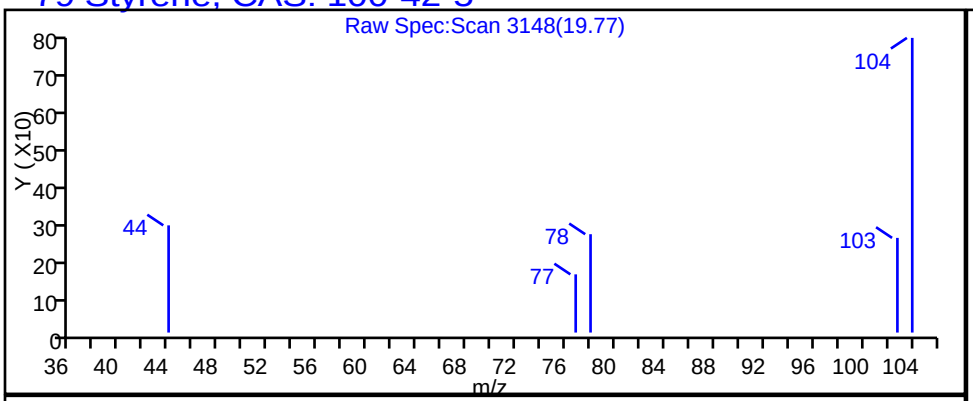


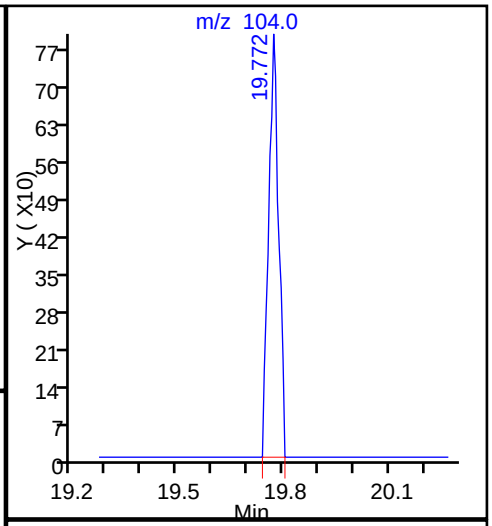


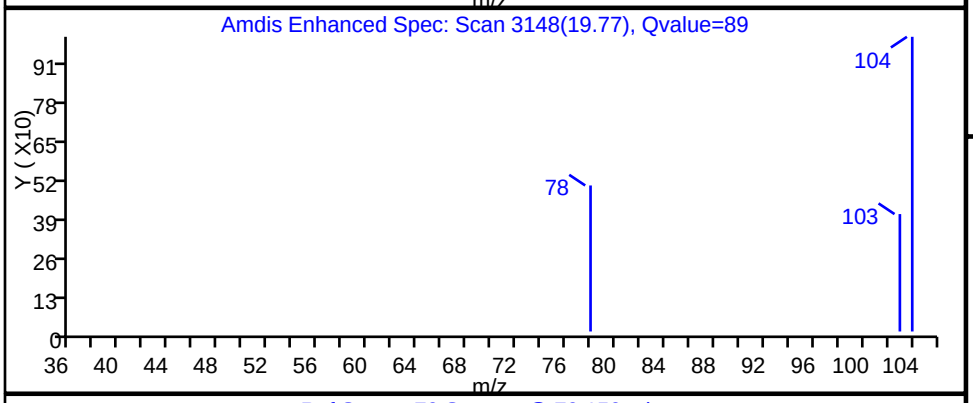
TestAmerica Burlington

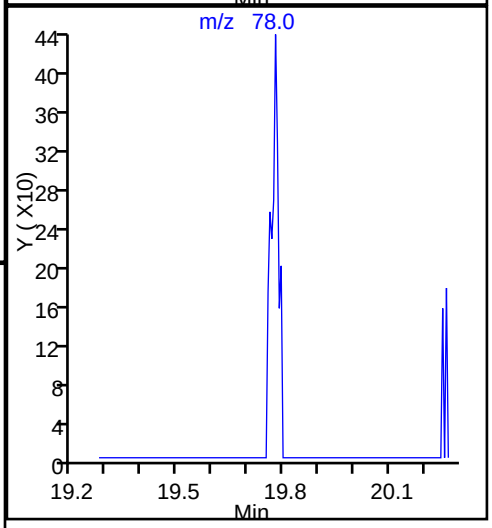
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

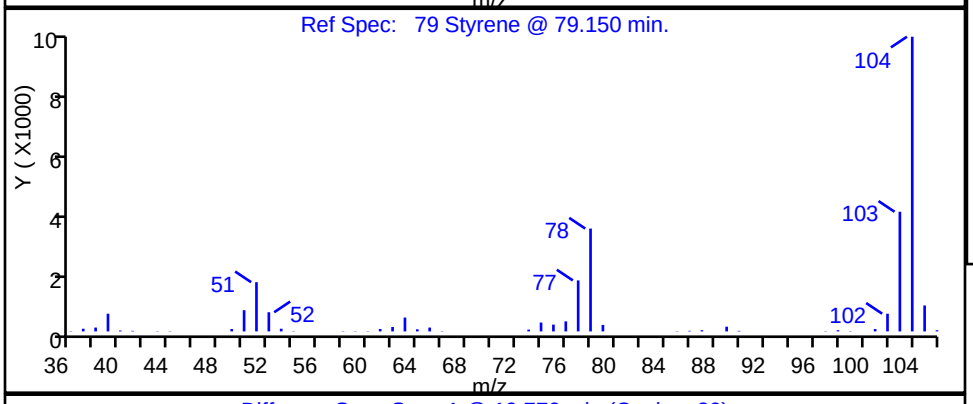
79 Styrene, CAS: 100-42-5

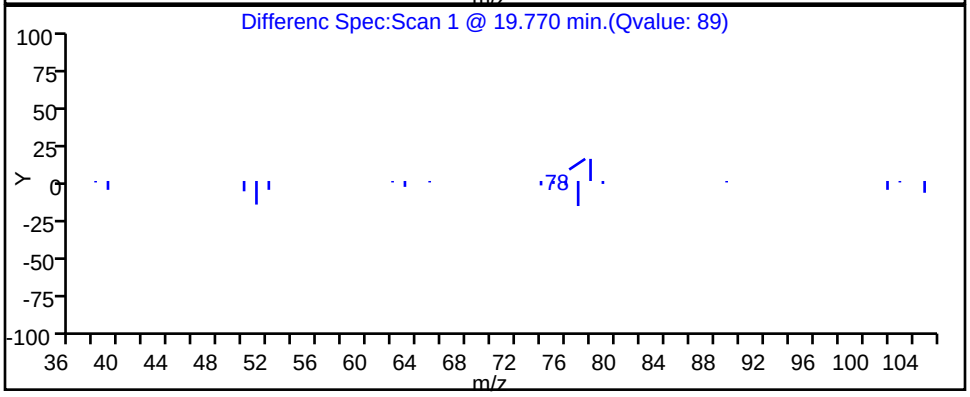








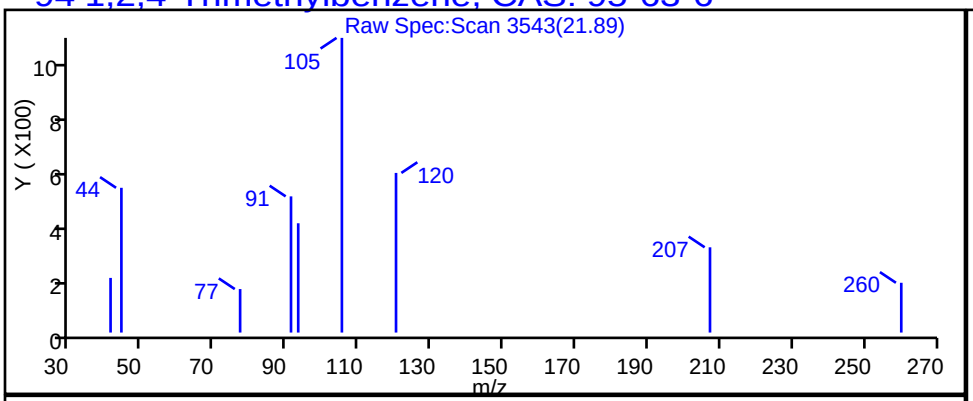


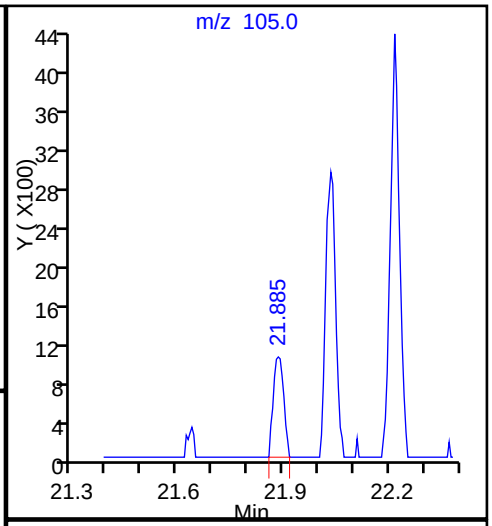


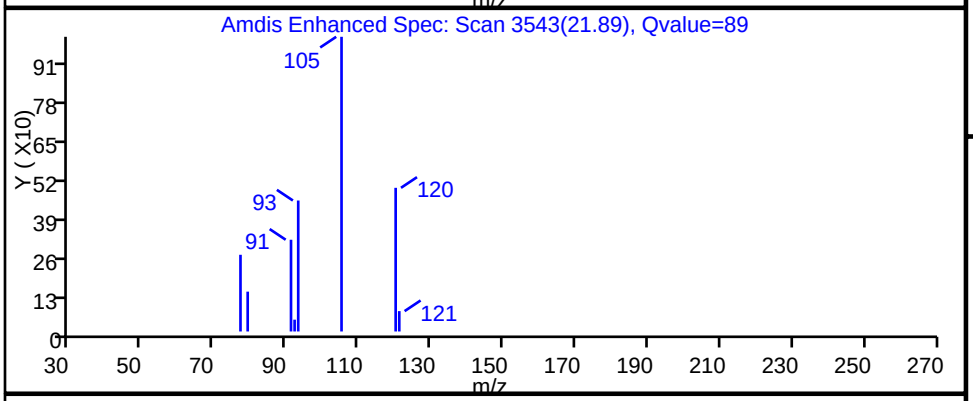
TestAmerica Burlington

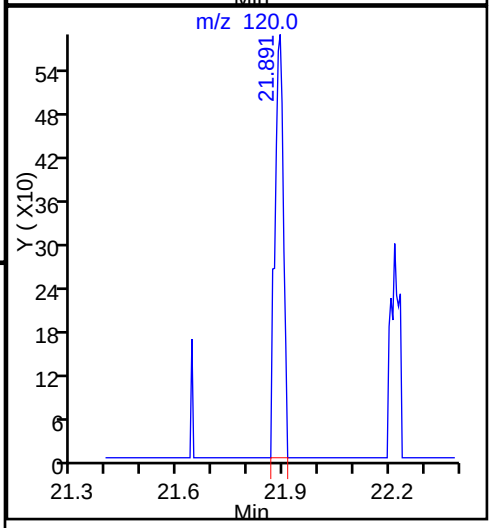
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D
Injection Date: 04-Sep-2015 23:13:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-10 Lab Sample ID: 200-29580-10
Client ID: 774IA1NA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

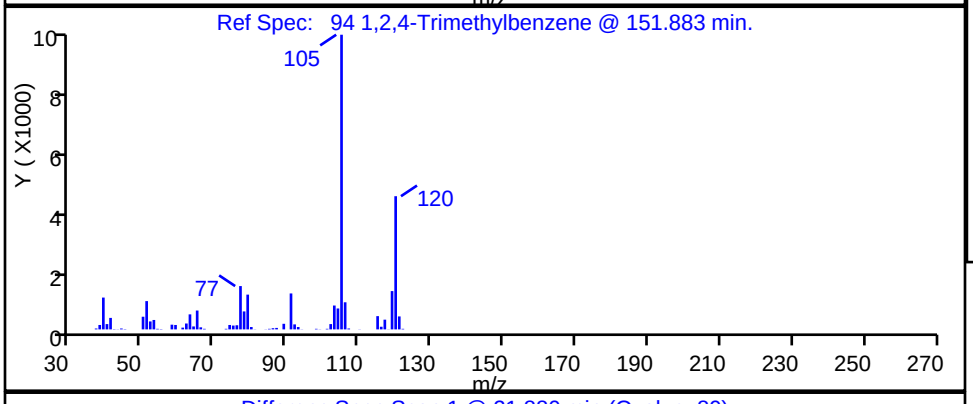
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

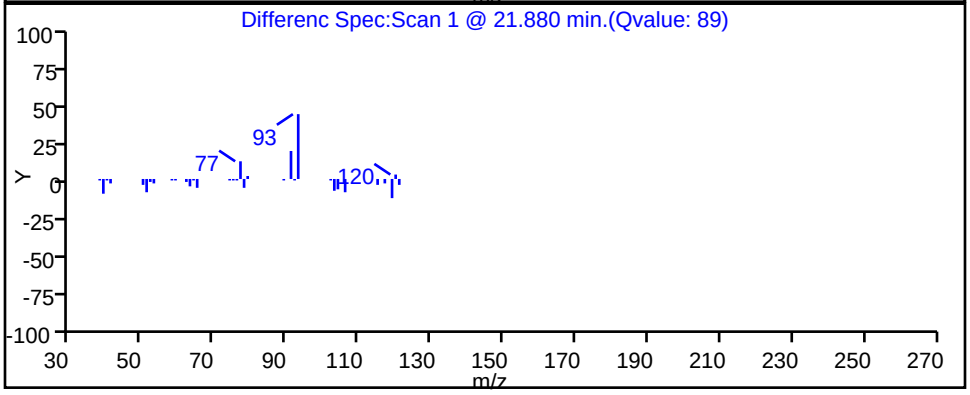








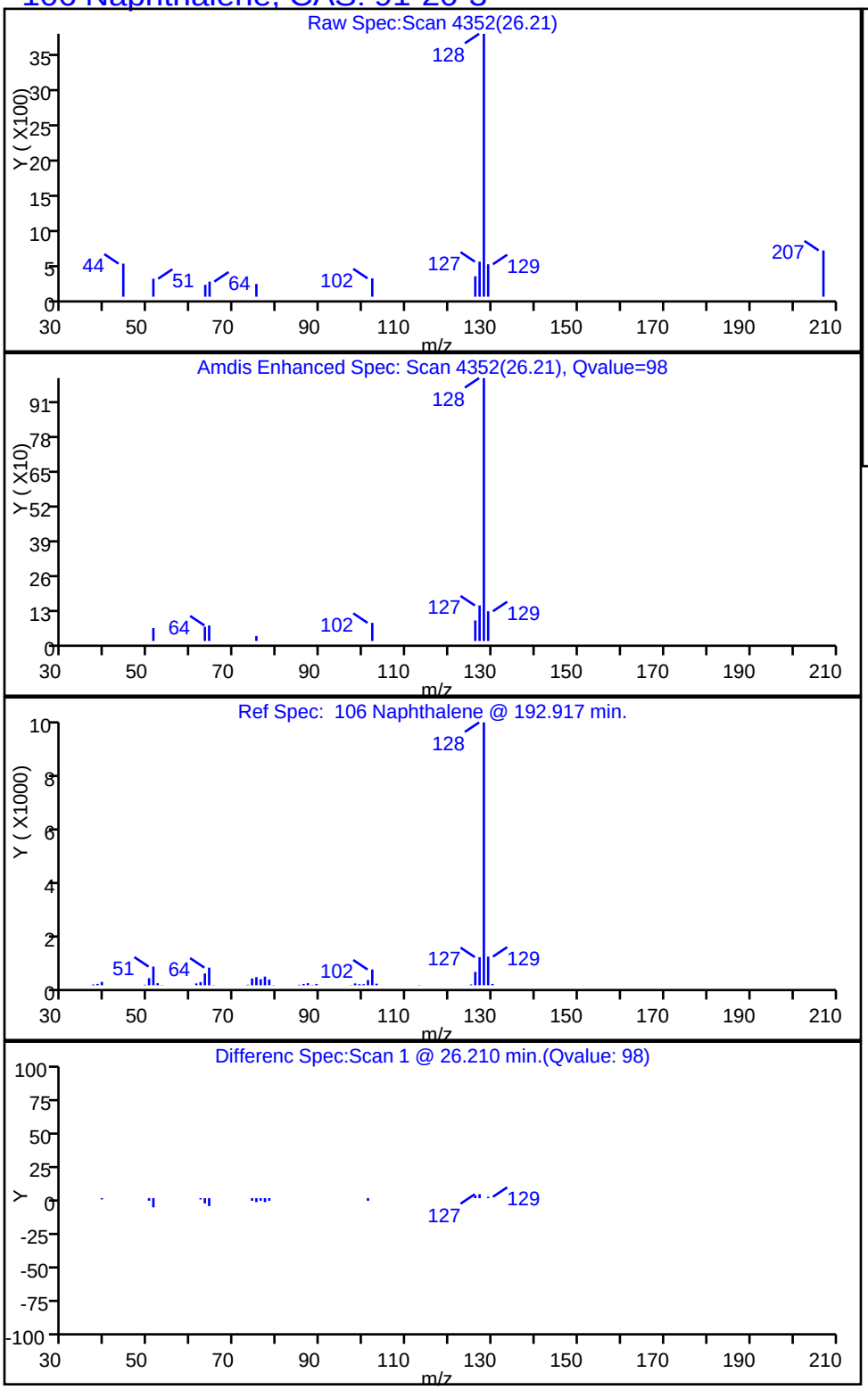


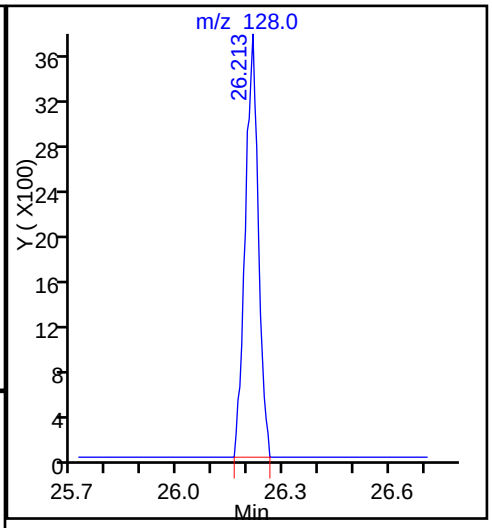


Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_15.D

Injection Date:	04-Sep-2015 23:13:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-10	Lab Sample ID:	200-29580-10		
Client ID:	774IA1NA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

106 Naphthalene, CAS: 91-20-3





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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776OA1NA Lab Sample ID: 200-29580-11

Matrix: Air Lab File ID: 15629_16.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:05

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:02

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.46	J	0.50	0.056
75-45-6	Freon 22	86.47	0.27	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.82		0.50	0.060
106-97-8	n-Butane	58.12	0.37	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.23		0.20	0.045
76-13-1	Freon TF	187.38	0.057	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	5.6		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.22	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.69		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.069	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.10	J M	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776OA1NA | Lab Sample ID: 200-29580-11

Matrix: Air | Lab File ID: 15629_16.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:05

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 00:02

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.: 93647 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.19	J	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.23	J	0.50	0.18
108-88-3	Toluene	92.14	0.19	J	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.049	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.17	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.066	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.24	J	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.028	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.034	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.13	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776OA1NA Lab Sample ID: 200-29580-11

Matrix: Air Lab File ID: 15629_16.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:05

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:02

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.070	J	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776OA1NA | Lab Sample ID: 200-29580-11

Matrix: Air | Lab File ID: 15629_16.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:05

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 00:02

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.: 93647 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.28
75-45-6	Freon 22	86.47	0.96	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.7		1.0	0.12
106-97-8	n-Butane	58.12	0.88	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.25
76-13-1	Freon TF	187.38	0.43	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	13		12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.75	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	2.0		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.43	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.33	J M	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776OA1NA | Lab Sample ID: 200-29580-11

Matrix: Air | Lab File ID: 15629_16.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:05

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 00:02

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.: 93647 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.69	J	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.95	J	2.0	0.74
108-88-3	Toluene	92.14	0.73	J	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.21	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.72	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.28	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	1.0	J	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.14	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.17	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.64	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 774776OA1NA Lab Sample ID: 200-29580-11

Matrix: Air Lab File ID: 15629_16.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:05

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:02

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.37	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Sample Type: Client
Inject. Date: 05-Sep-2015 00:02:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-016
Misc. Info.: 29580-11
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2015 09:00:40 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 08-Sep-2015 09:00:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.172	3.167	0.005	99	12219	0.4630	
3 Chlorodifluoromethane	51	3.226	3.215	0.011	95	3449	0.2702	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.429				ND	
5 Chloromethane	50	3.573	3.568	0.005	98	6080	0.8186	
6 Butane	43	3.766	3.761	0.006	98	4507	0.3694	
7 Vinyl chloride	62		3.809				ND	
8 Butadiene	54		3.884				ND	
9 Bromomethane	94		4.552				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101	5.253	5.248	0.005	97	6742	0.2316	
18 1,1,2-Trichloro-1,2,2-trif	101	6.318	6.291	0.027	30	1321	0.0567	
20 1,1-Dichloroethene	96		6.350				ND	
21 Acetone	43	6.628	6.596	0.032	87	66274	5.58	
22 Carbon disulfide	76	6.740	6.740	0.000	37	618	0.0223	
23 Isopropyl alcohol	45		6.885				ND	
24 3-Chloro-1-propene	41		7.120				ND	
26 Methylene Chloride	49	7.414	7.409	0.005	84	2164	0.2164	
28 2-Methyl-2-propanol	59		7.660				ND	
29 Methyl tert-butyl ether	73		7.810				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.709				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72	9.939	9.870	0.069	98	4334	0.6876	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.287	10.287	0.000	77	135691	10.0	
39 Tetrahydrofuran	42		10.293				ND	
41 Chloroform	83		10.410				ND	
42 Cyclohexane	84		10.651				ND	
43 1,1,1-Trichloroethane	97		10.688				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117	10.929	10.934	-0.005	87	1967	0.0685	
	45 Isooctane	57		11.362				ND	
	46 Benzene	78	11.416	11.416	0.005	92	4626	0.1048	M
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43		11.748				ND	
*	50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	755878	10.0	
	52 Trichloroethene	95		12.743				ND	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88	13.625	13.567	0.058	27	1596	0.1926	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43	15.236	15.182	0.054	90	6722	0.2330	
	62 Toluene	92	15.482	15.482	0.000	94	7521	0.1932	
	67 trans-1,3-Dichloropropene	75		16.097				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.584				ND	
	70 2-Hexanone	43	16.985	16.948	0.037	96	4142	0.1433	
	71 Chlorodibromomethane	129		17.269				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.451	18.451	0.000	83	764678	10.0	
	74 Chlorobenzene	112		18.515				ND	
	75 Ethylbenzene	91	18.654	18.654	0.000	92	4100	0.0488	
	77 m-Xylene & p-Xylene	106	18.906	18.911	-0.005	99	5857	0.1655	
	78 o-Xylene	106	19.724	19.724	0.000	92	2295	0.0656	
	79 Styrene	104		19.772				ND	
S	80 Xylenes, Total	106				0		0.2311	
	81 Bromoform	173		20.184				ND	
	82 Isopropylbenzene	105		20.361				ND	
	85 1,1,2,2-Tetrachloroethane	83		20.987				ND	
	86 N-Propylbenzene	91	21.045	21.045	0.000	98	3298	0.0284	
	89 4-Ethyltoluene	105	21.222	21.222	0.000	96	3423	0.0339	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105	21.318	21.324	-0.006	81	2517	0.0302	
	93 tert-Butylbenzene	119		21.794				ND	
	94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	96	10917	0.1308	
	95 sec-Butylbenzene	105		22.110				ND	
	96 4-Isopropyltoluene	119		22.303				ND	
	97 1,3-Dichlorobenzene	146		22.351				ND	
	98 1,4-Dichlorobenzene	146		22.490				ND	
	99 Benzyl chloride	91		22.693				ND	
	101 n-Butylbenzene	91		22.896				ND	
	102 1,2-Dichlorobenzene	146		23.046				ND	
	104 1,2,4-Trichlorobenzene	180		25.678				ND	
	105 Hexachlorobutadiene	225		25.865				ND	
	106 Naphthalene	128	26.213	26.208	0.005	97	7527	0.0700	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

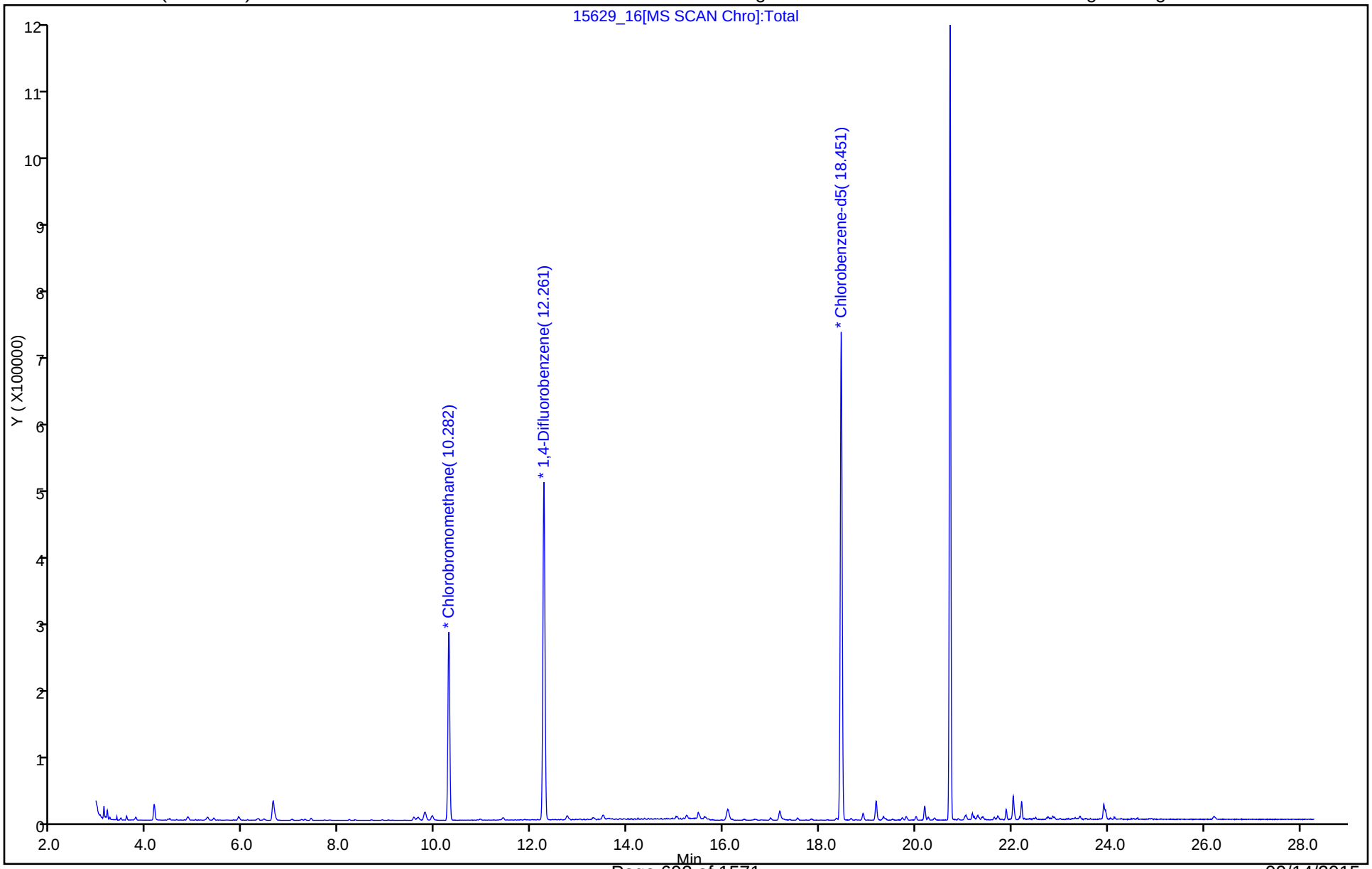
Report Date: 08-Sep-2015 09:00:41 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D

Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11	Worklist Smp#:	16
Client ID:	774776OA1NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

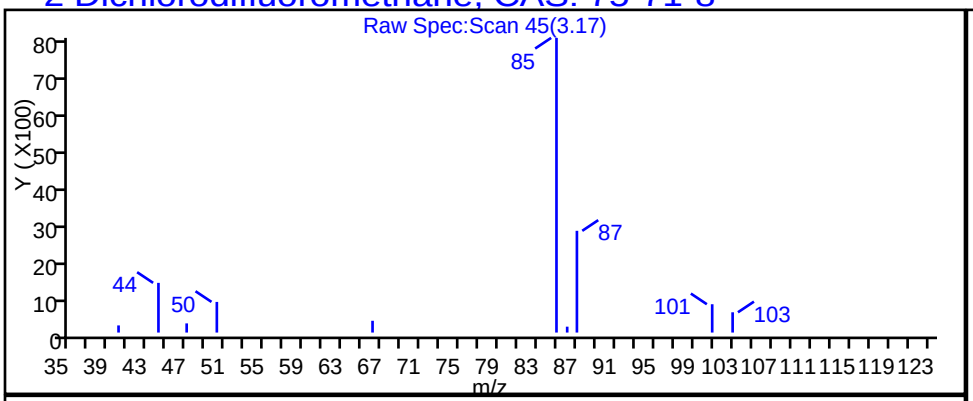
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

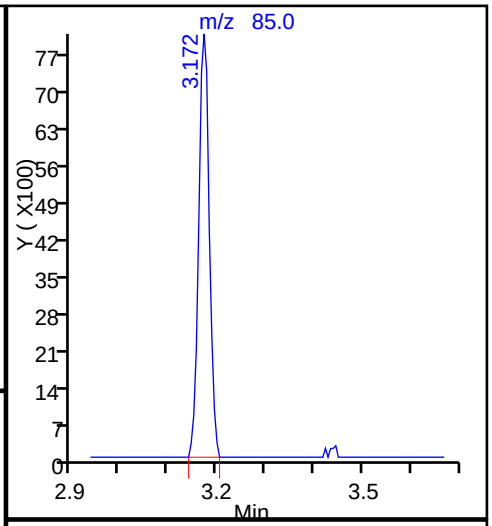


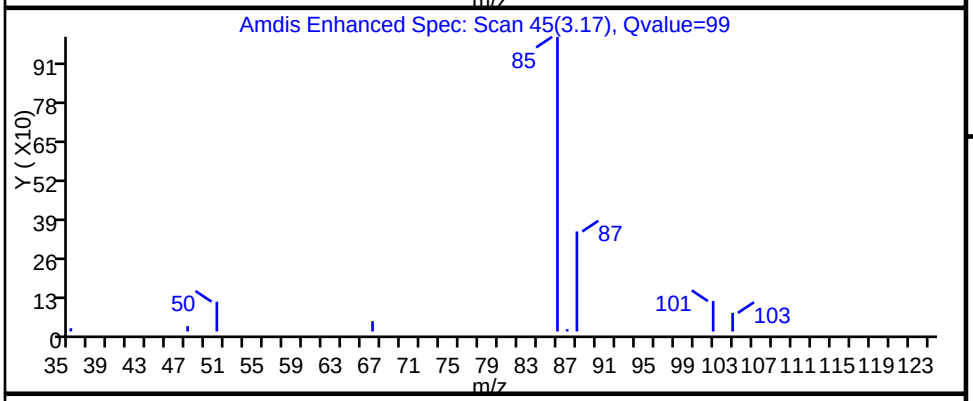
TestAmerica Burlington

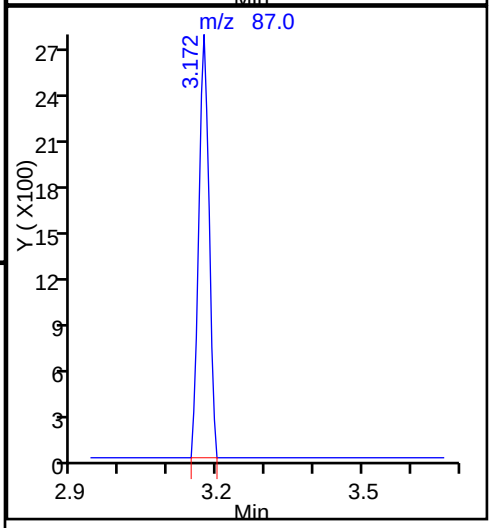
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

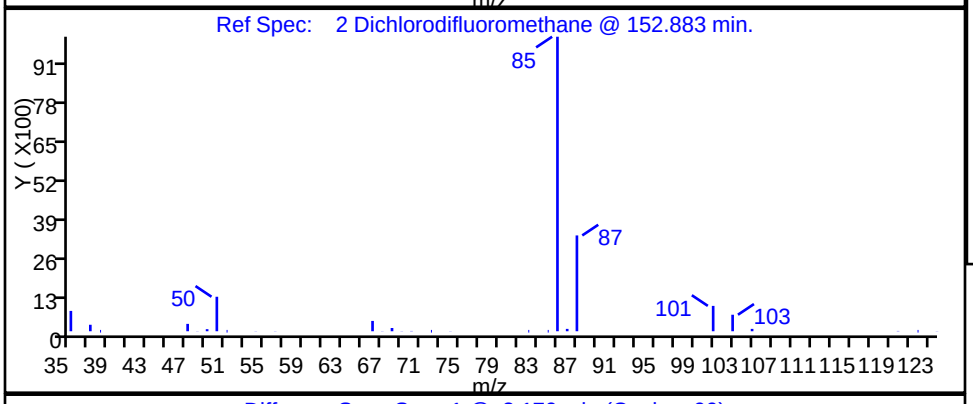
2 Dichlorodifluoromethane, CAS: 75-71-8

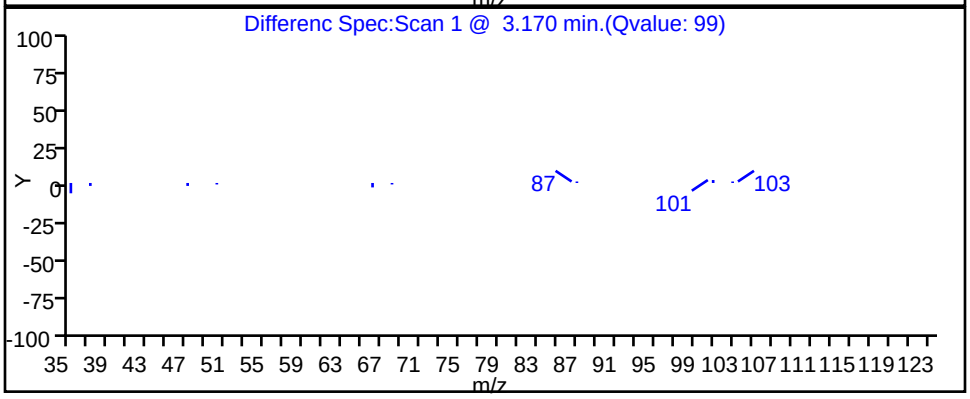








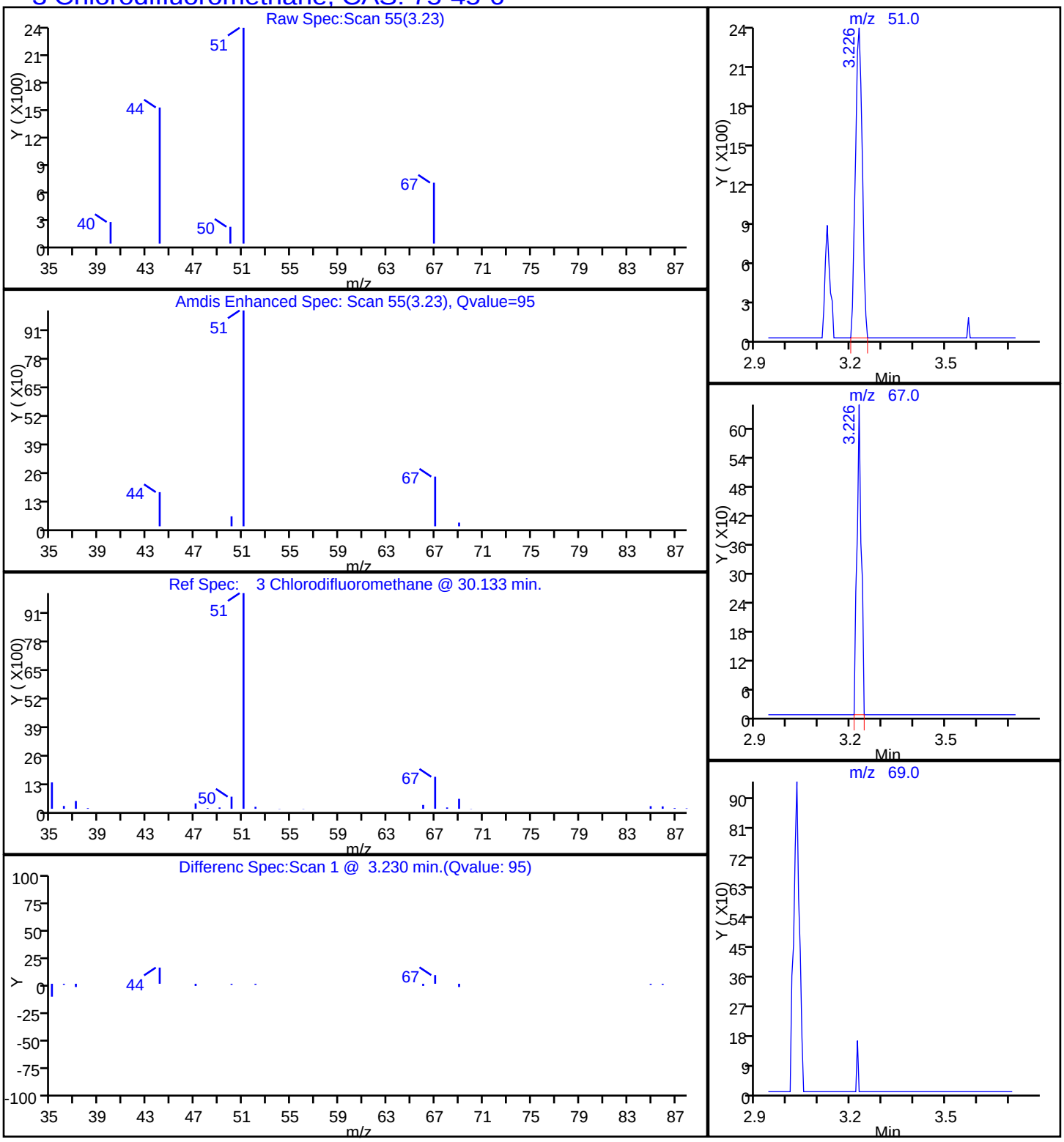




TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

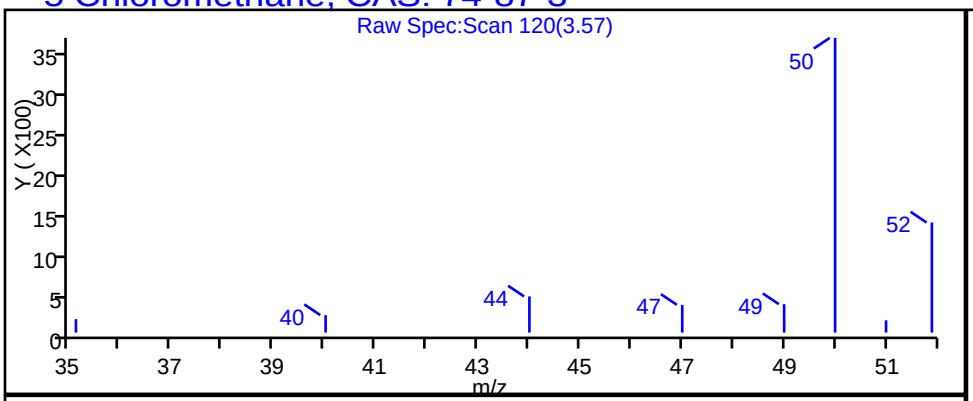
3 Chlorodifluoromethane, CAS: 75-45-6

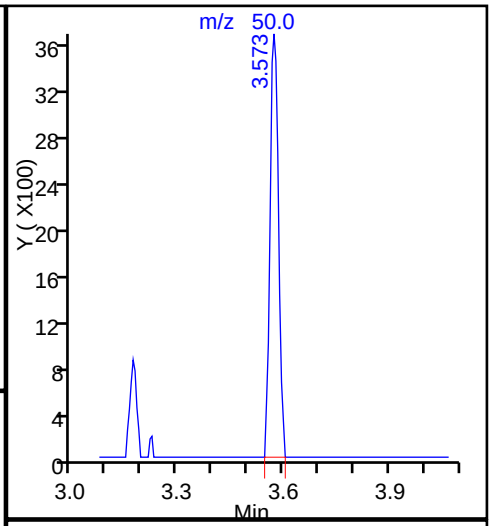


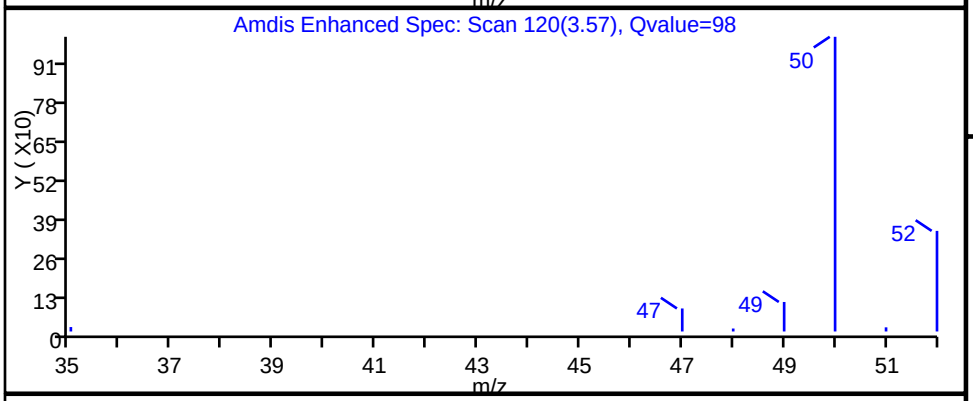
TestAmerica Burlington

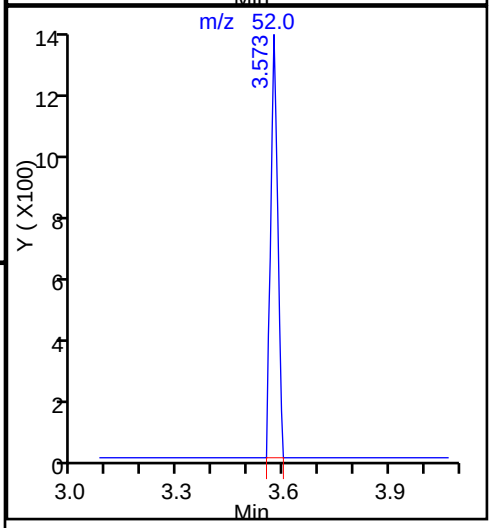
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

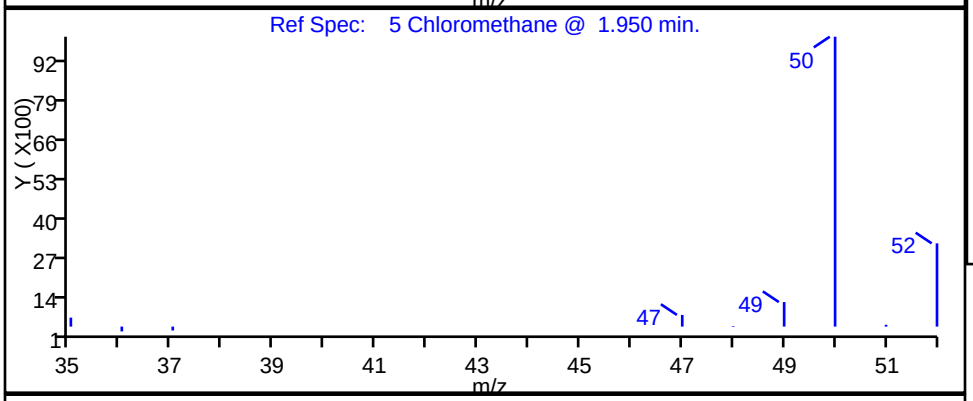
5 Chloromethane, CAS: 74-87-3

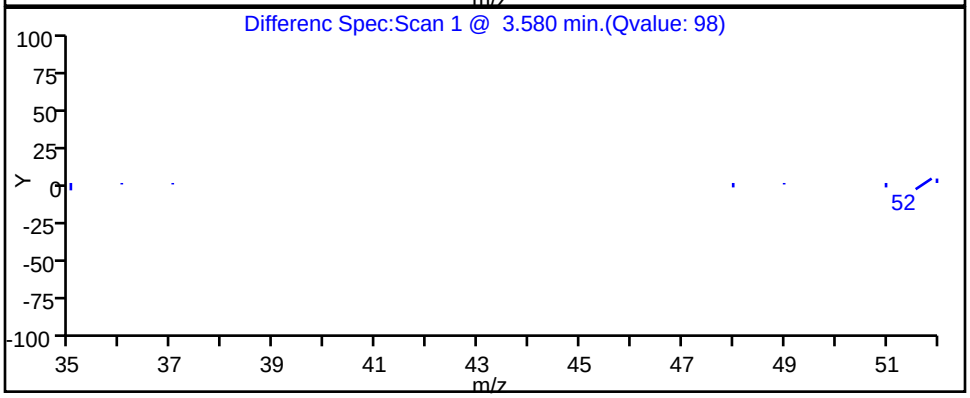








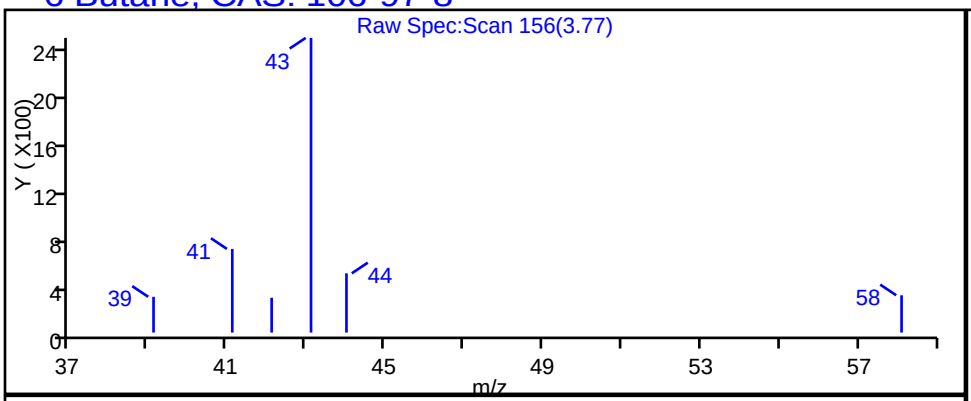


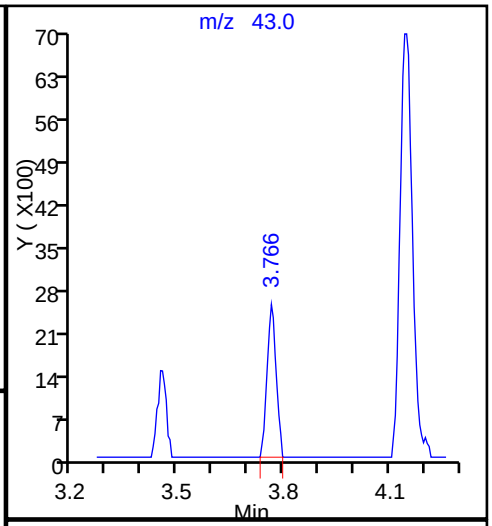


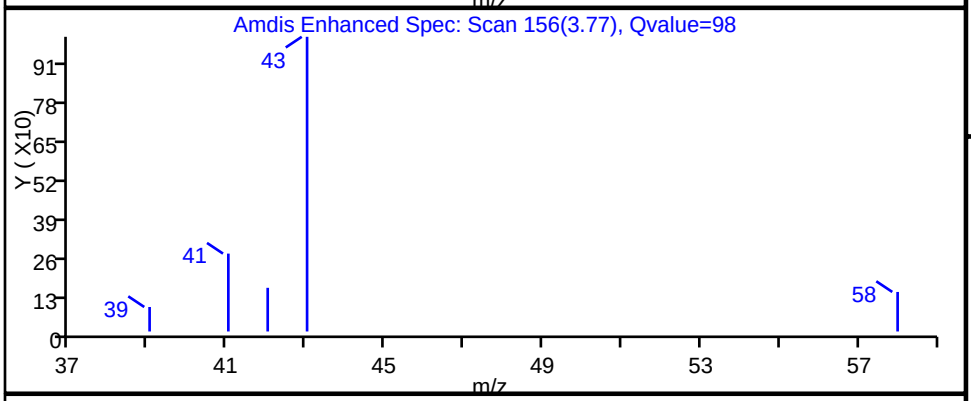
TestAmerica Burlington

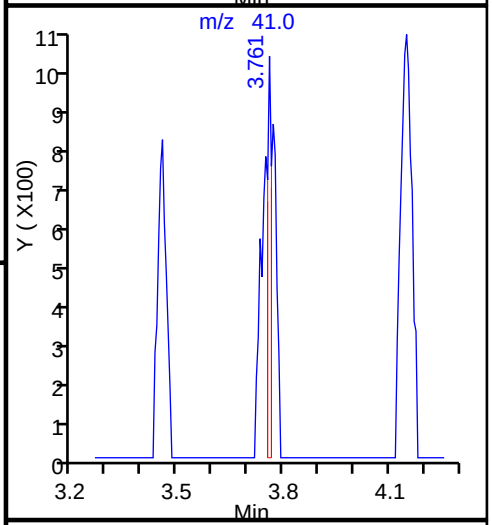
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

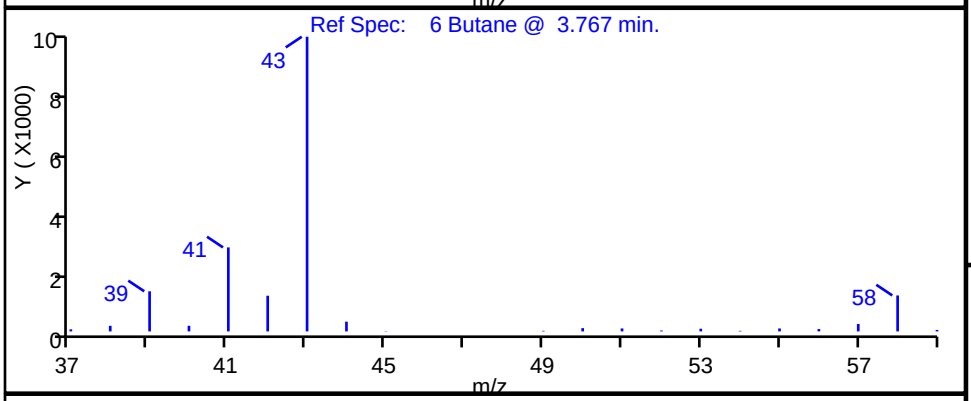
6 Butane, CAS: 106-97-8

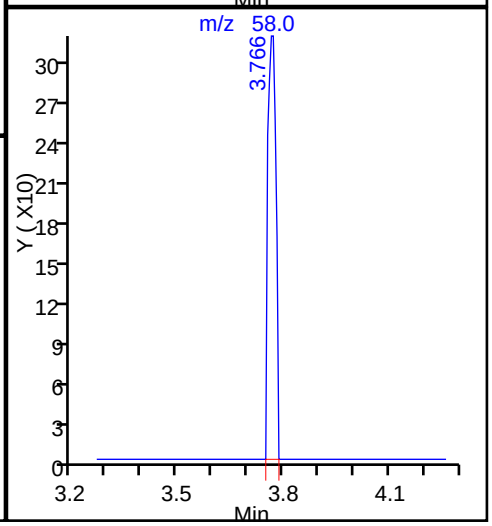


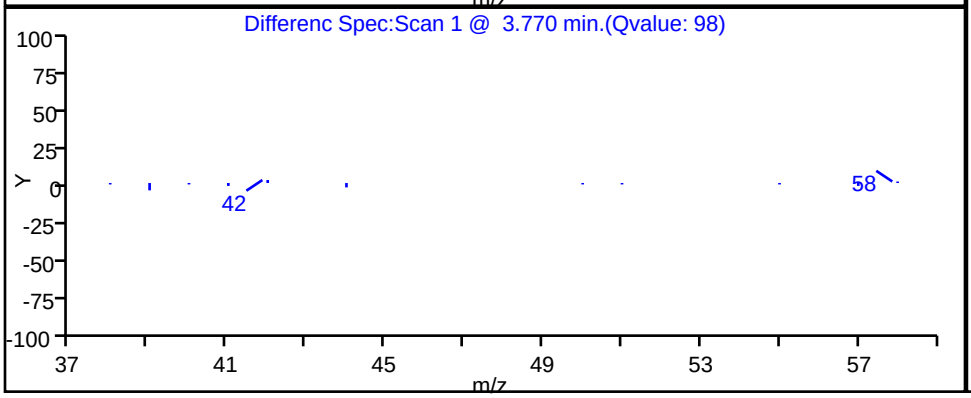








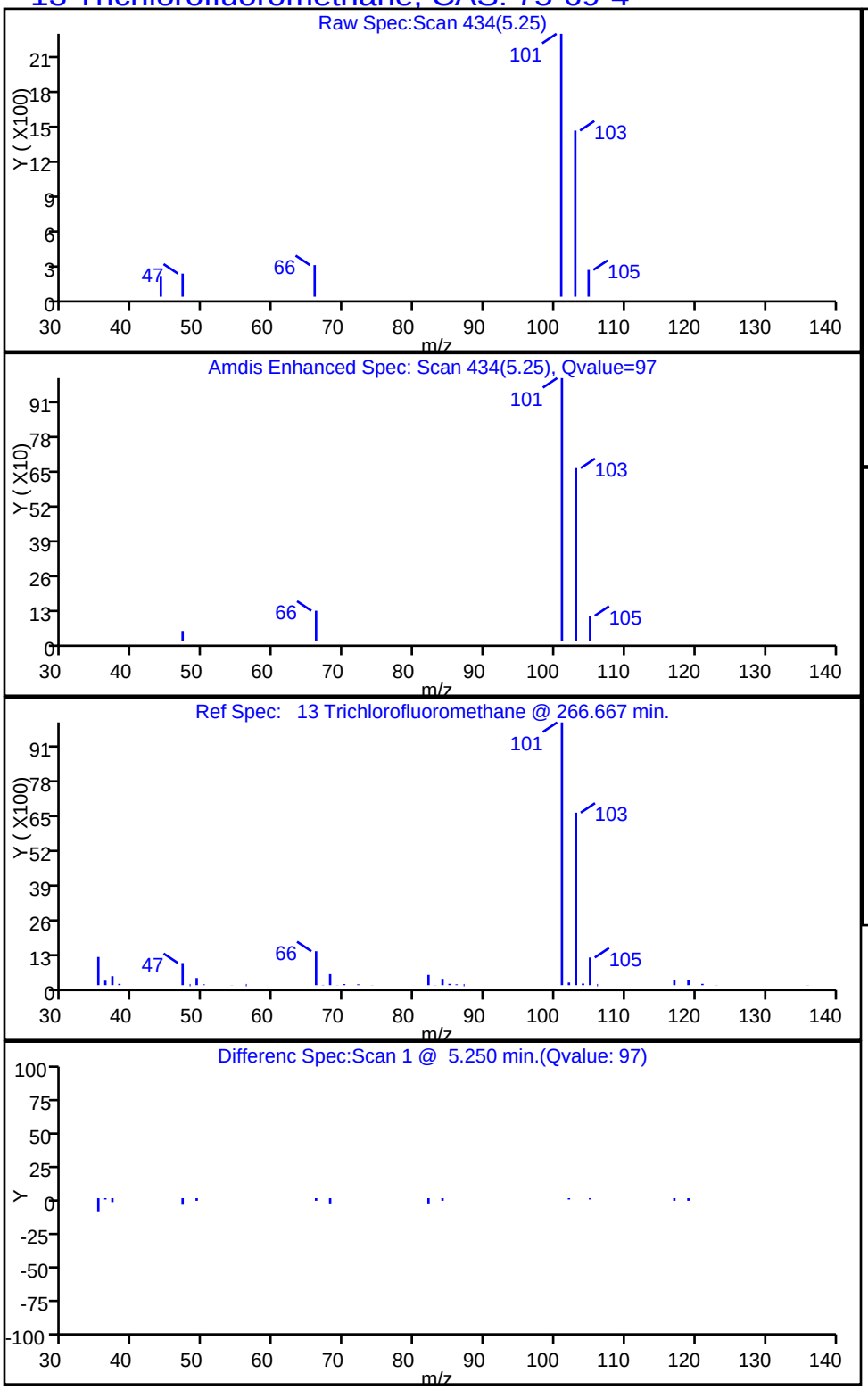


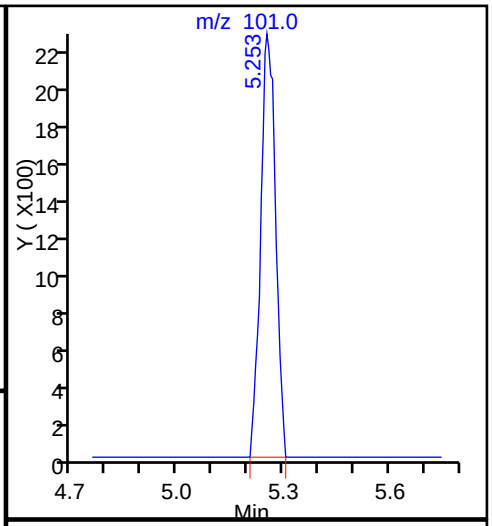


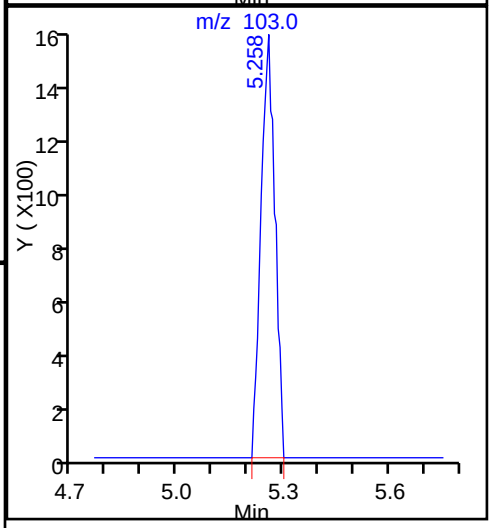
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4



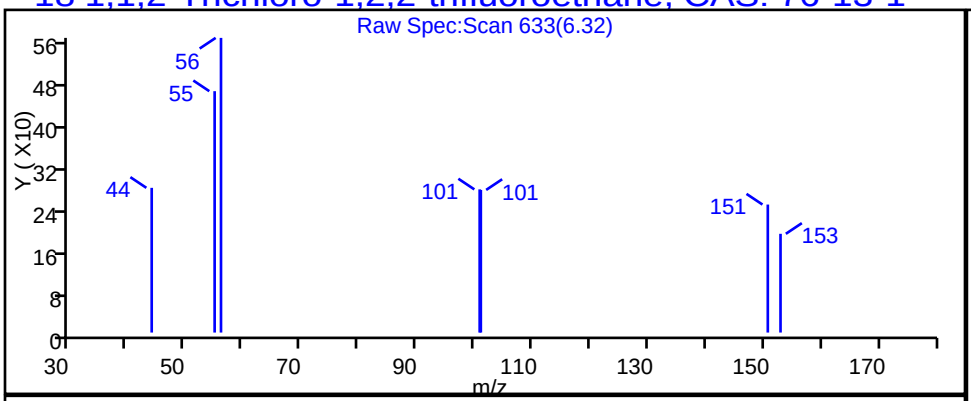


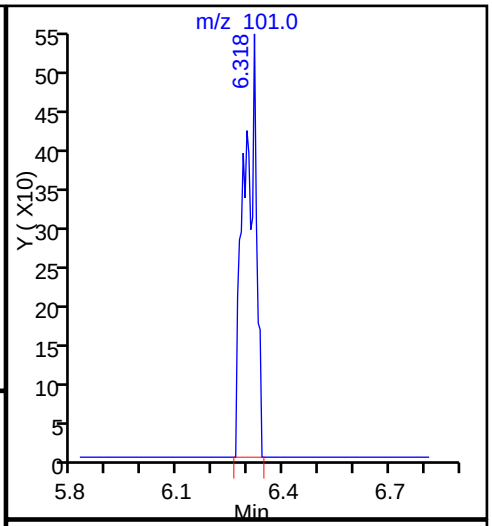


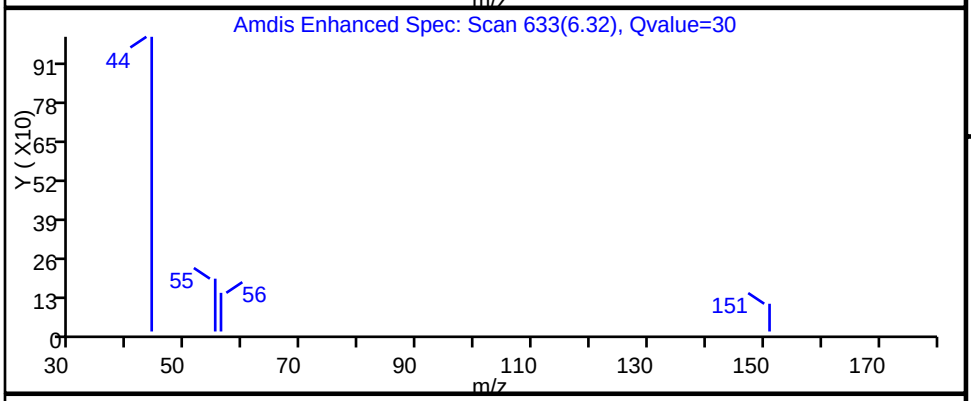
TestAmerica Burlington

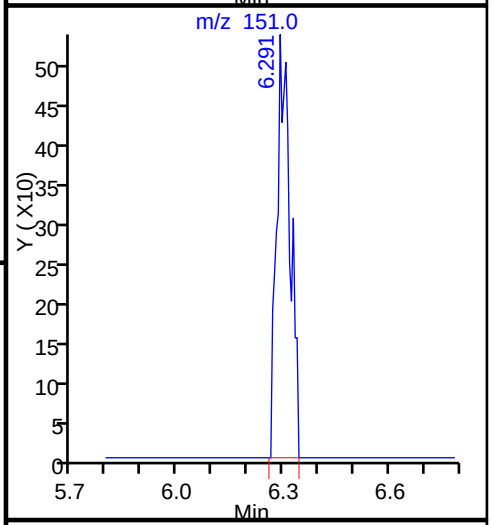
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

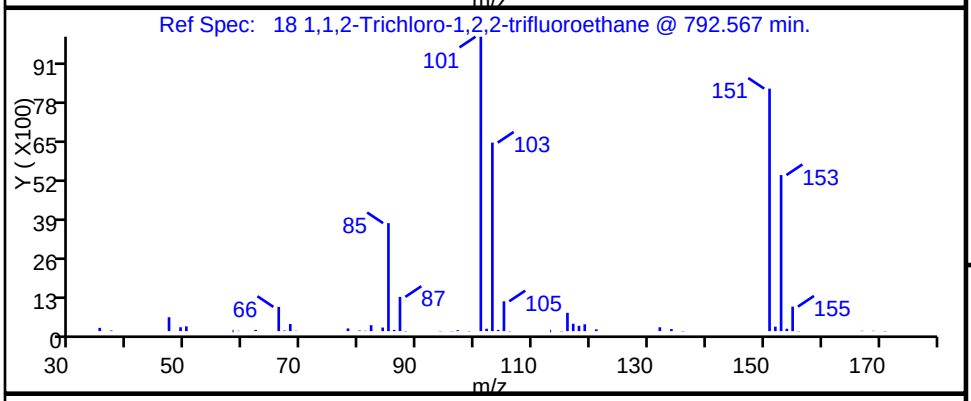
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

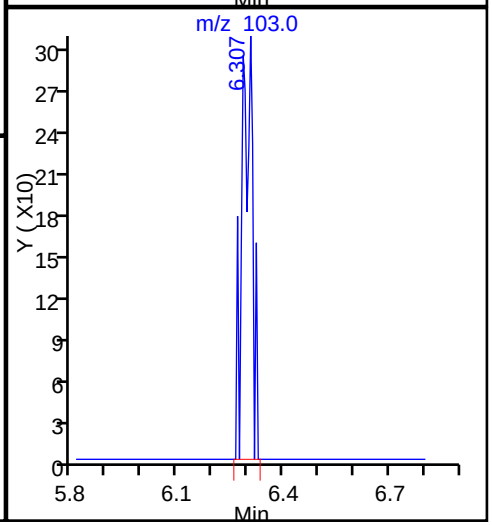


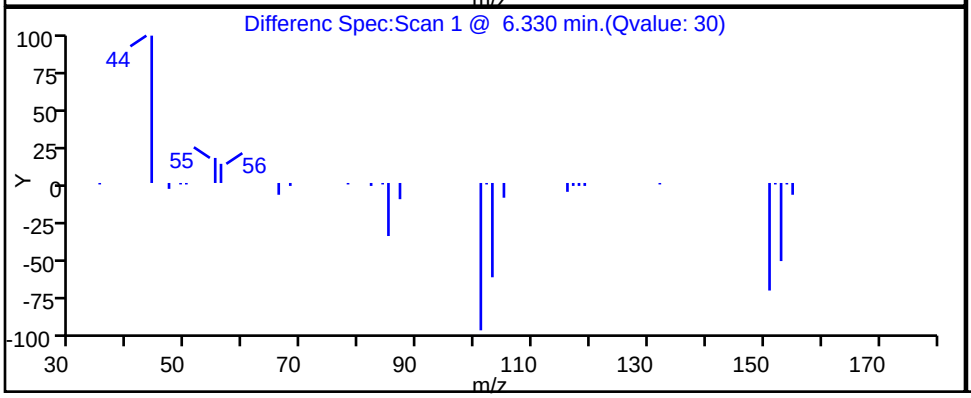








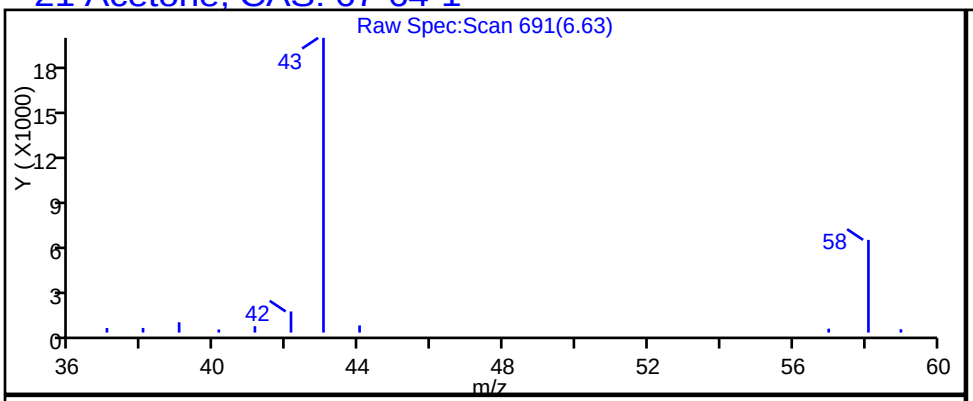


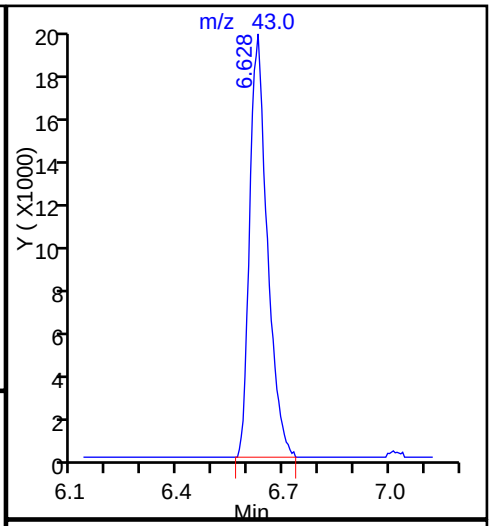


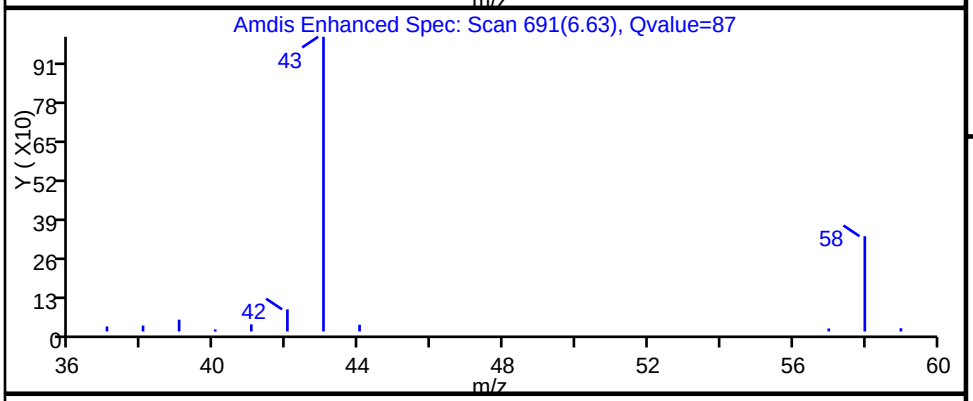
TestAmerica Burlington

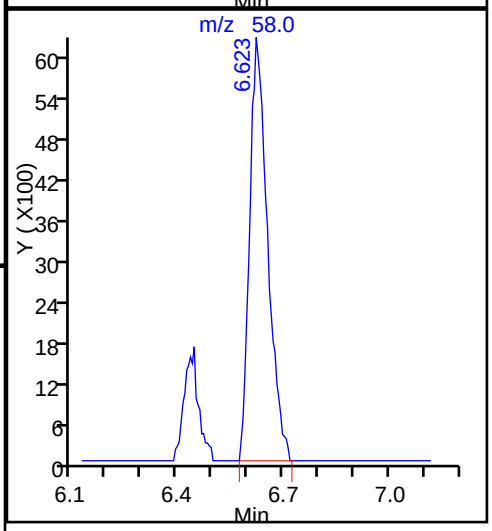
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

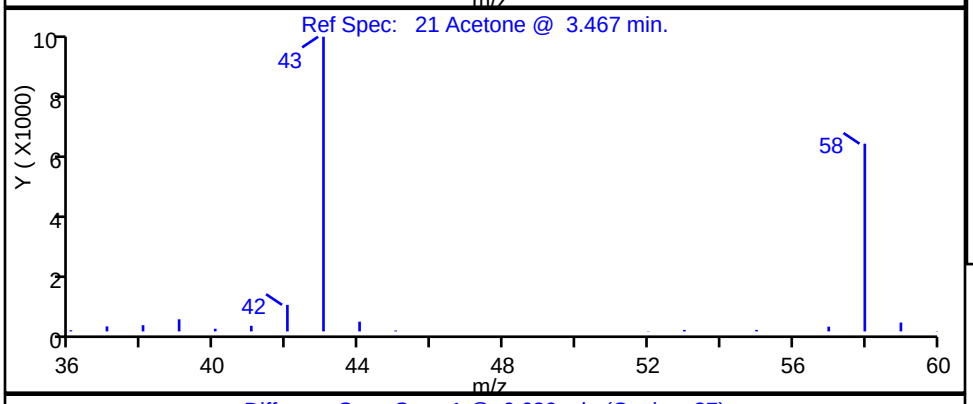
21 Acetone, CAS: 67-64-1

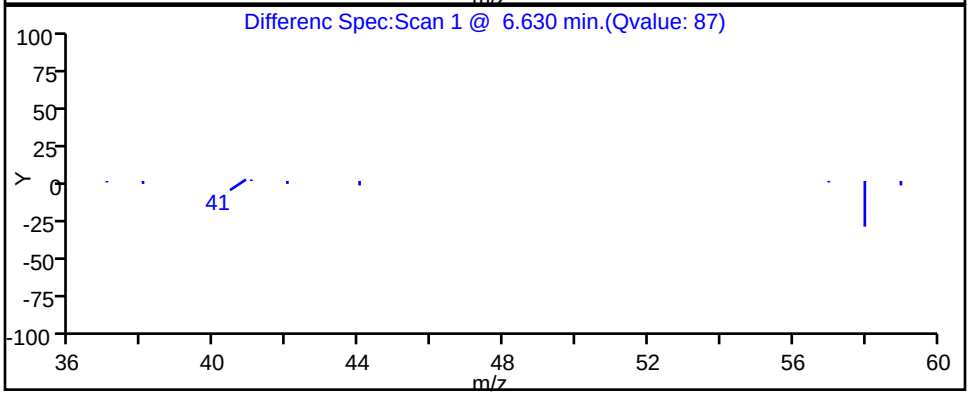








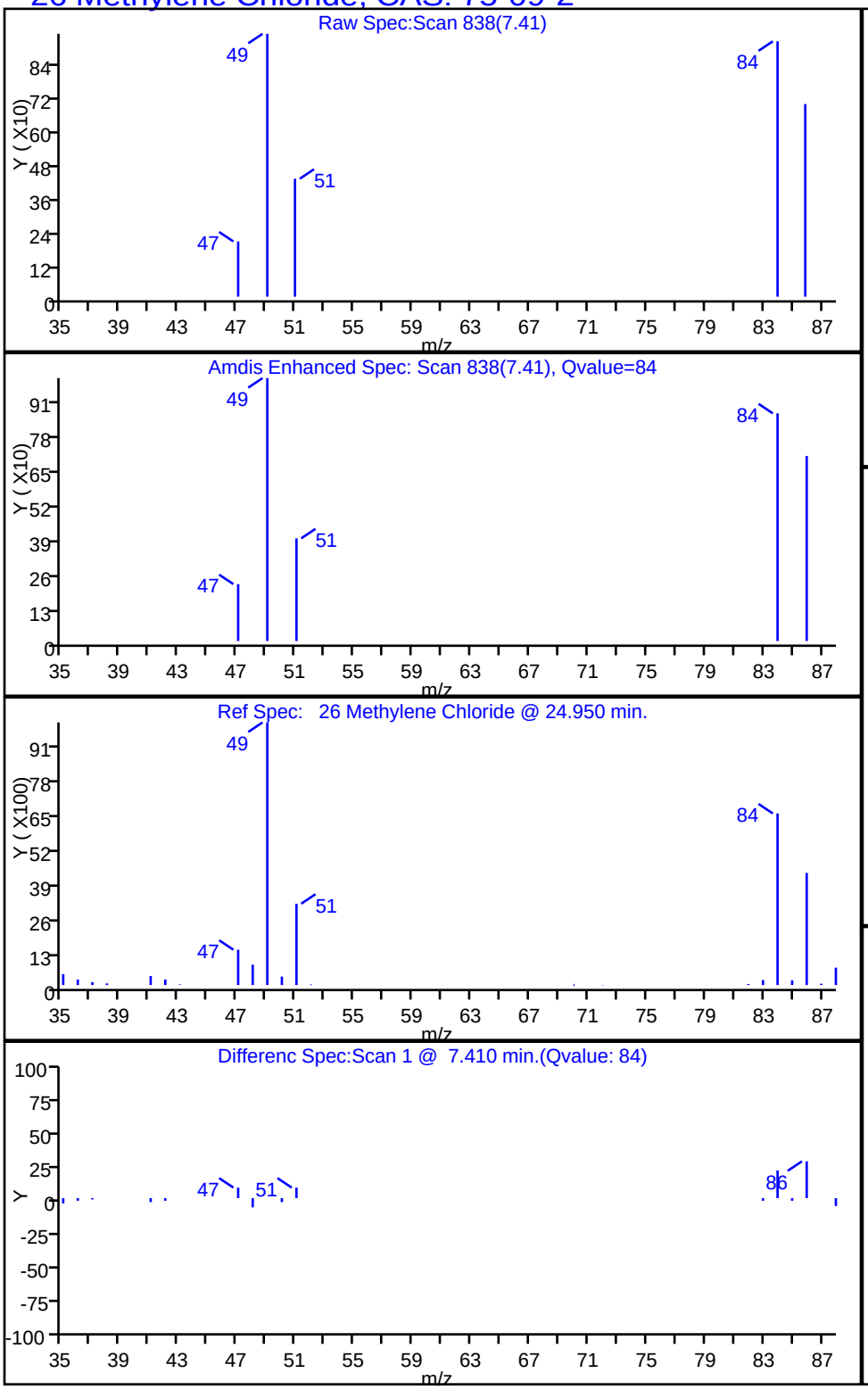


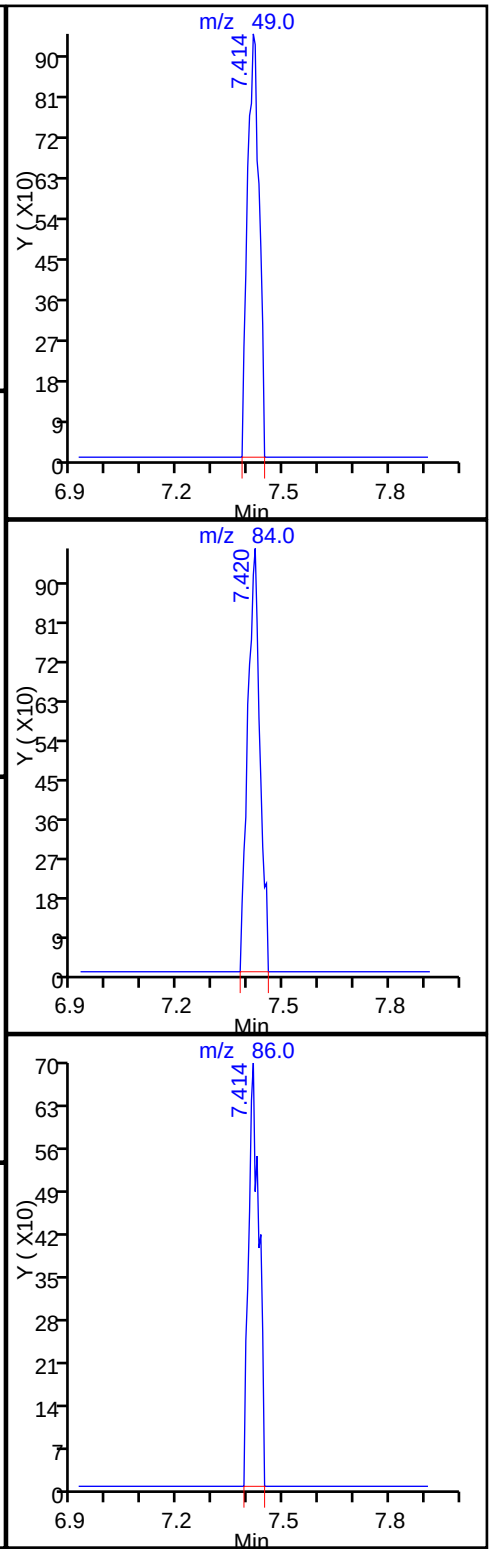


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

26 Methylene Chloride, CAS: 75-09-2

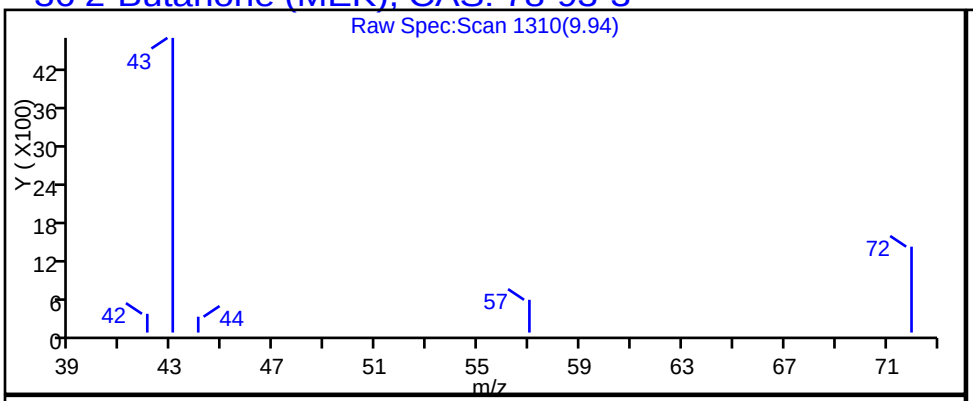


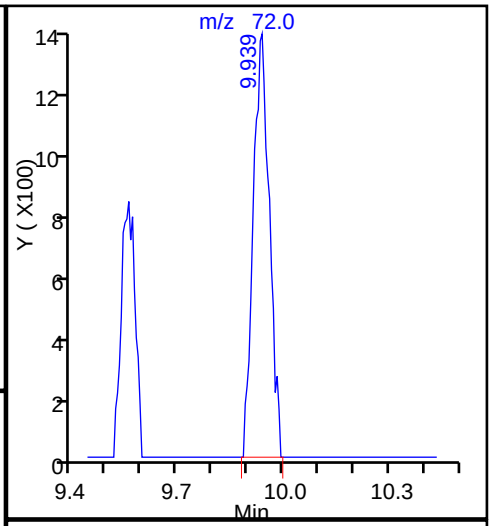


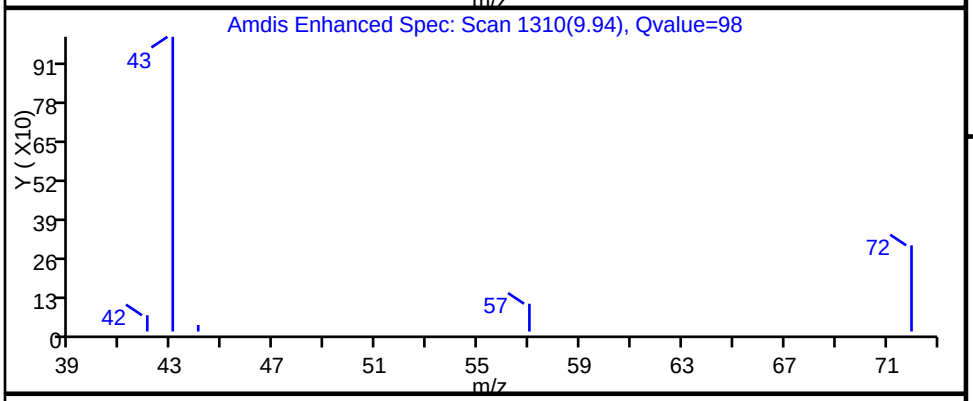
TestAmerica Burlington

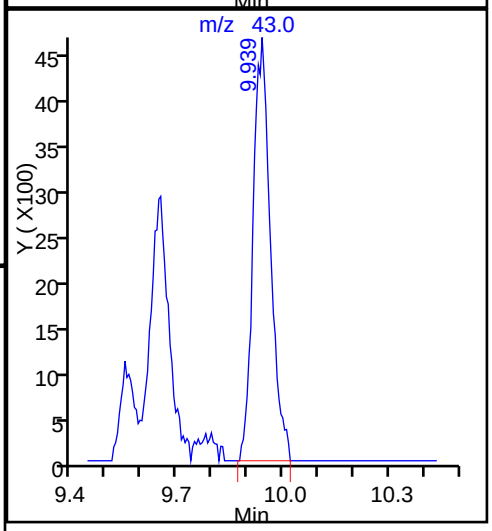
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

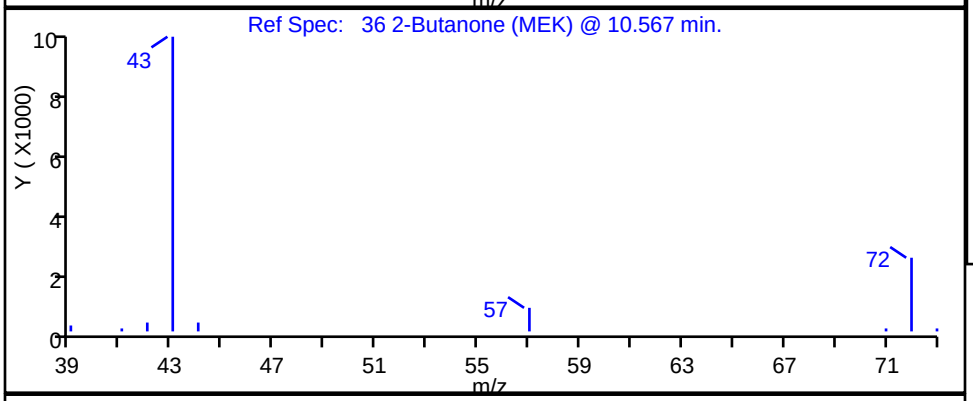
36 2-Butanone (MEK), CAS: 78-93-3

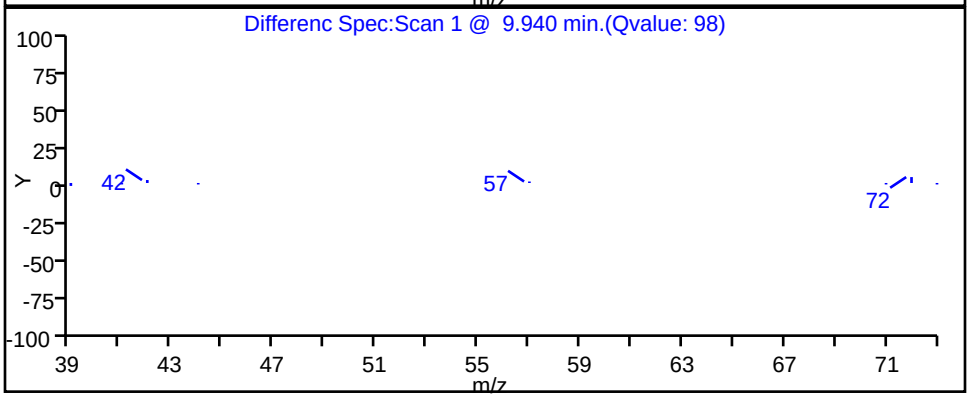






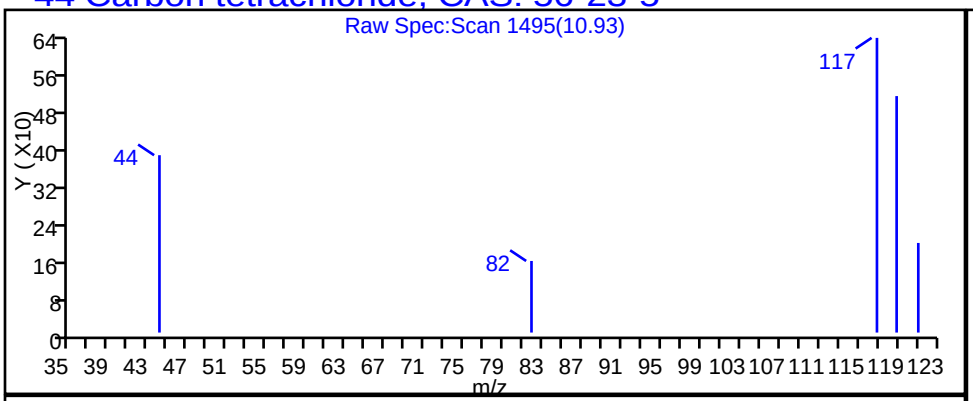


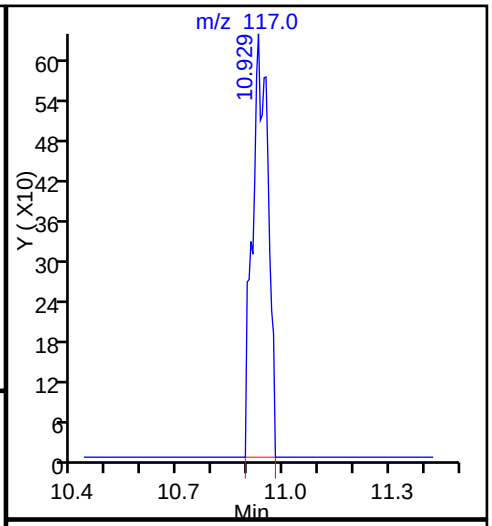


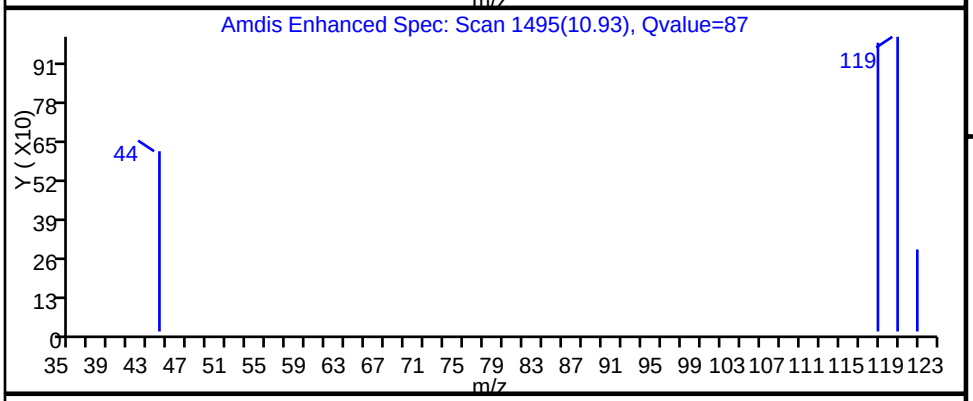


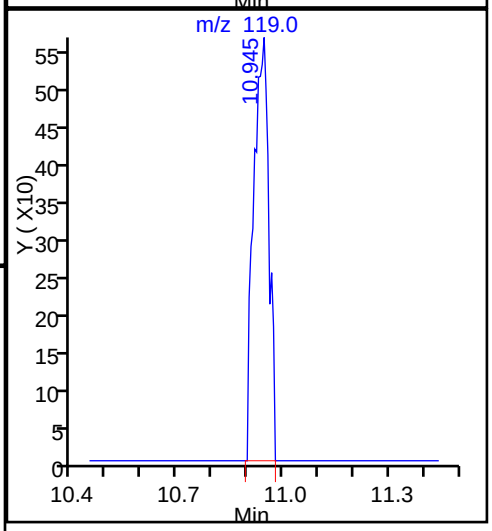
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

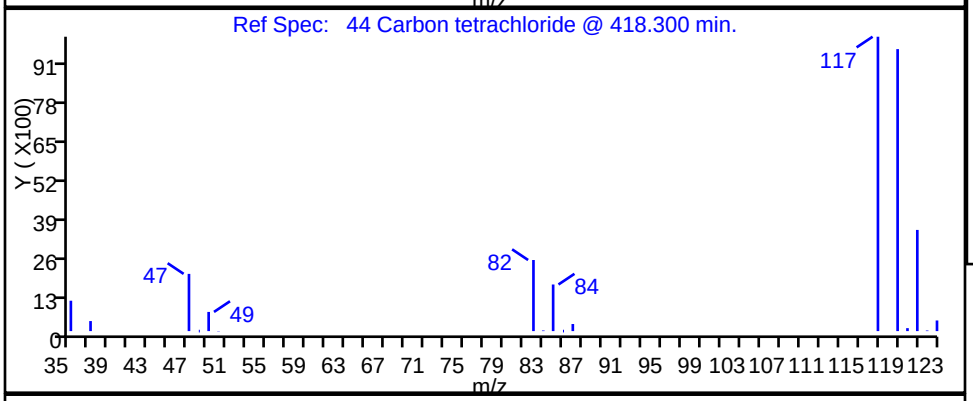
44 Carbon tetrachloride, CAS: 56-23-5

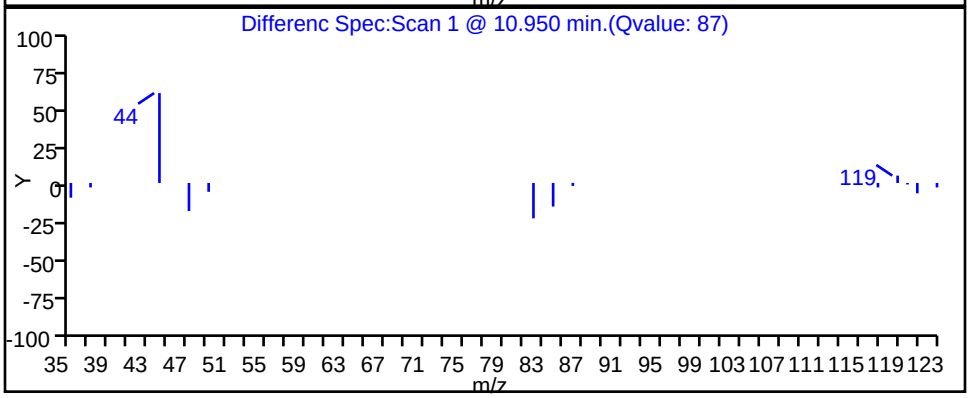








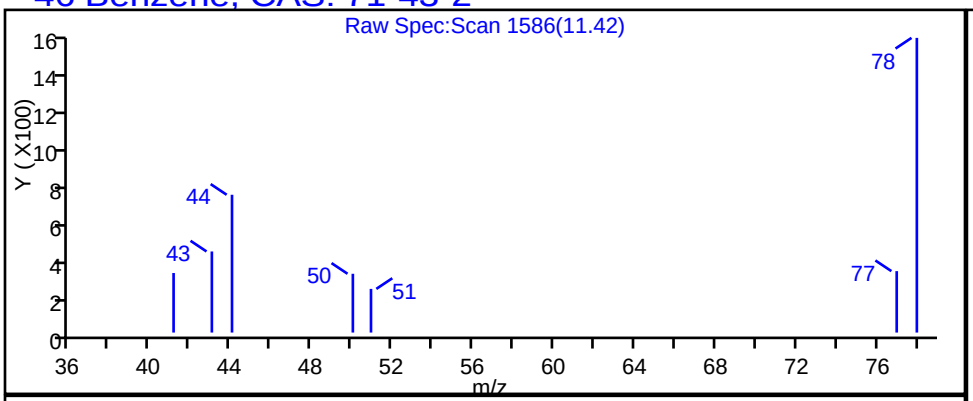


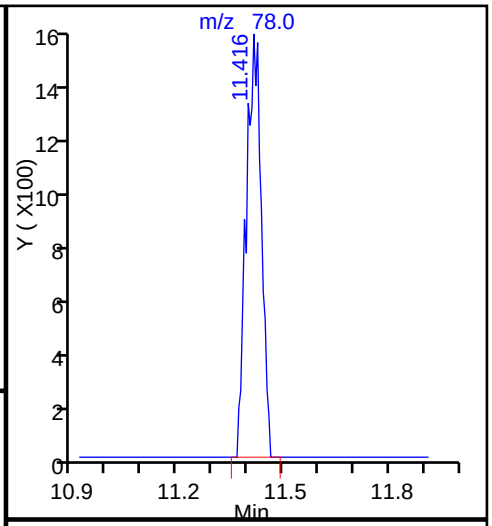


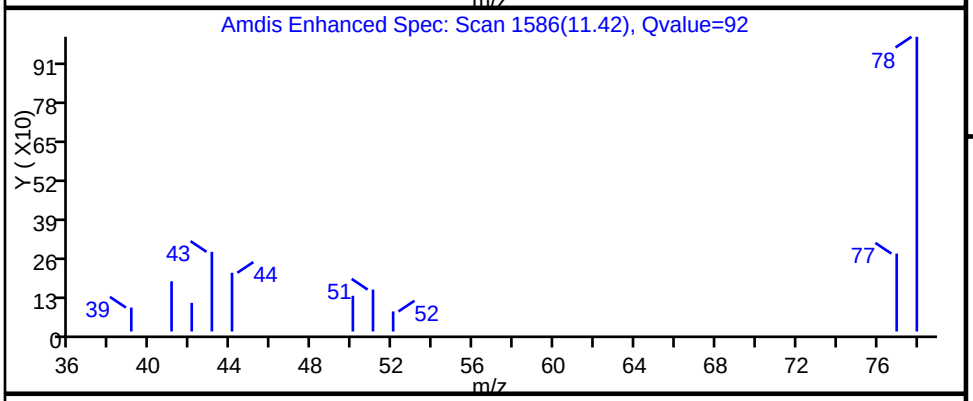
TestAmerica Burlington

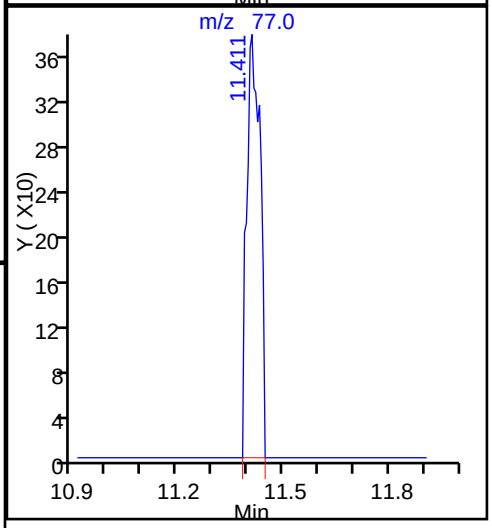
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

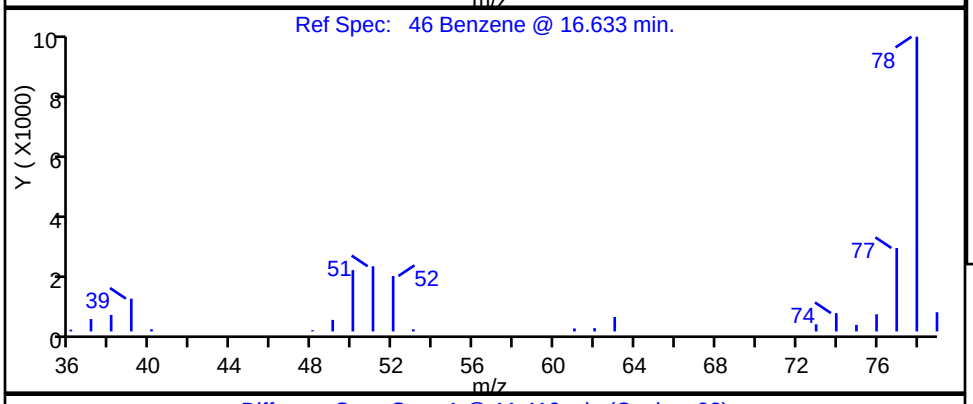
46 Benzene, CAS: 71-43-2

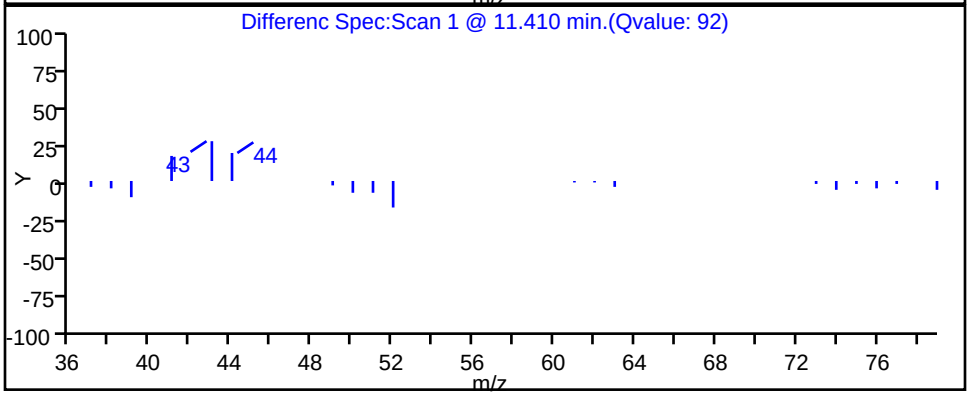










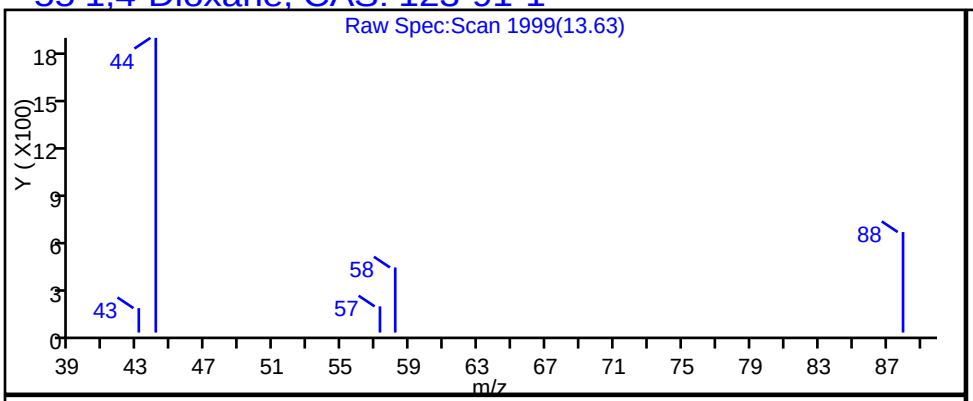


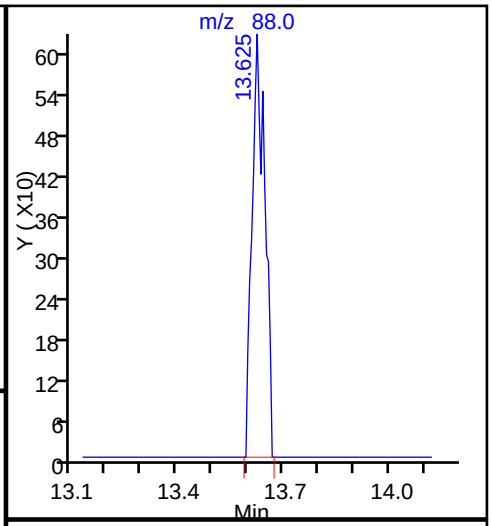
TestAmerica Burlington

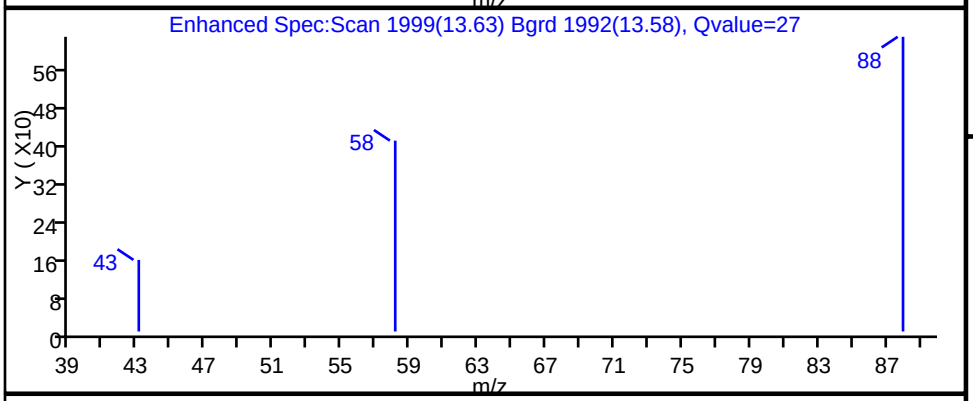
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D

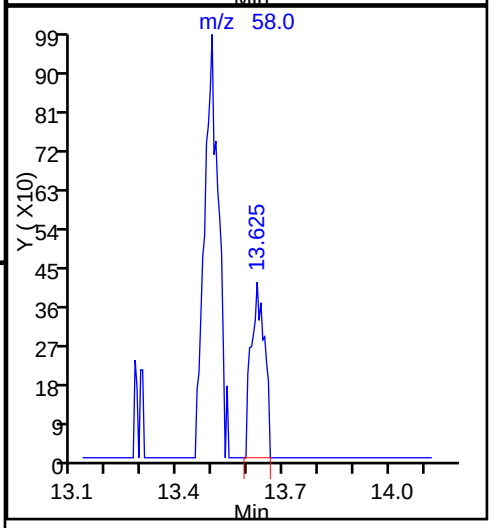
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

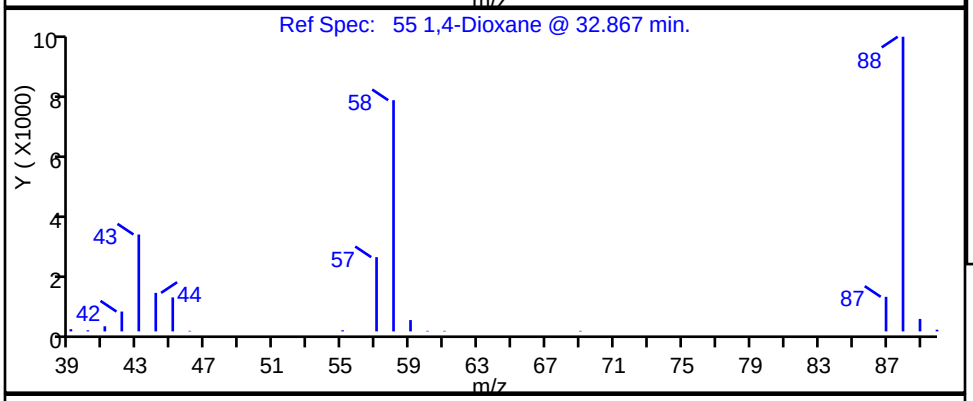
55 1,4-Dioxane, CAS: 123-91-1

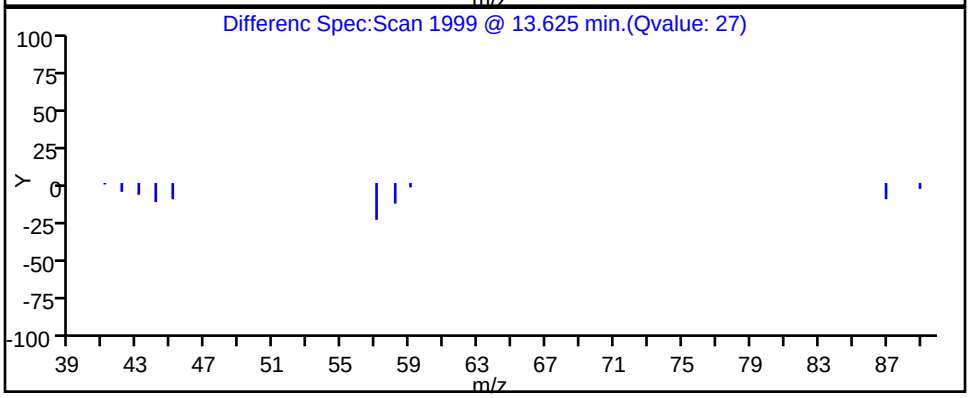








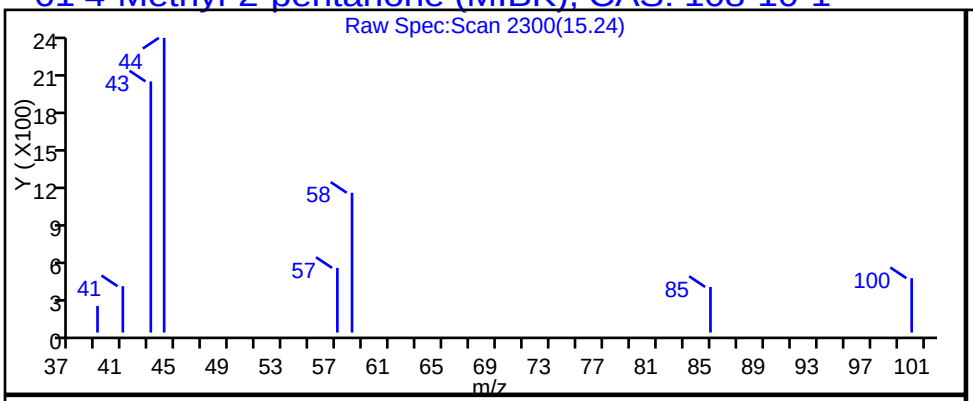


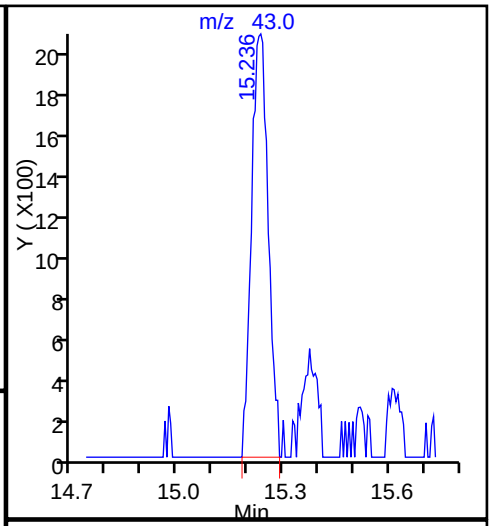


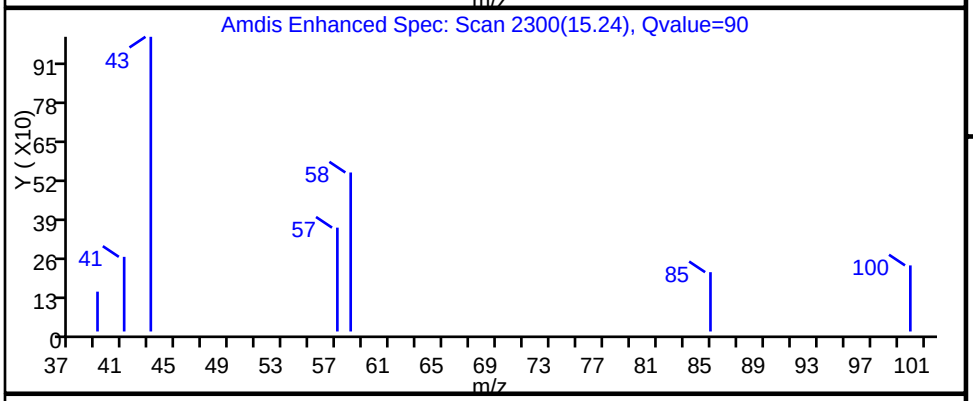
TestAmerica Burlington

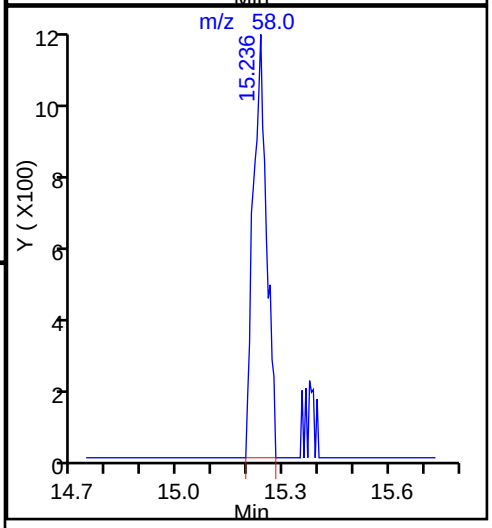
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

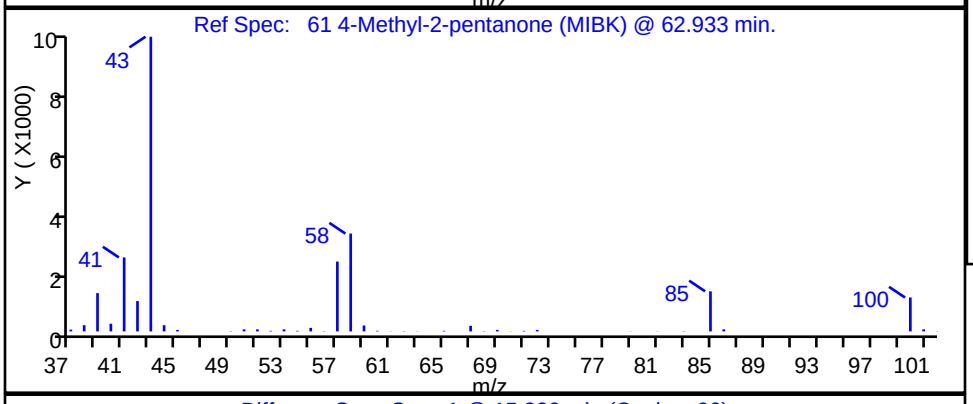
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

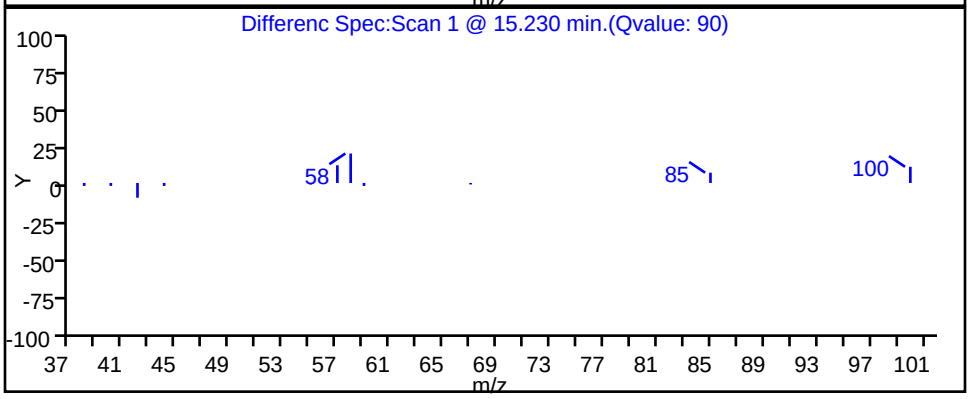








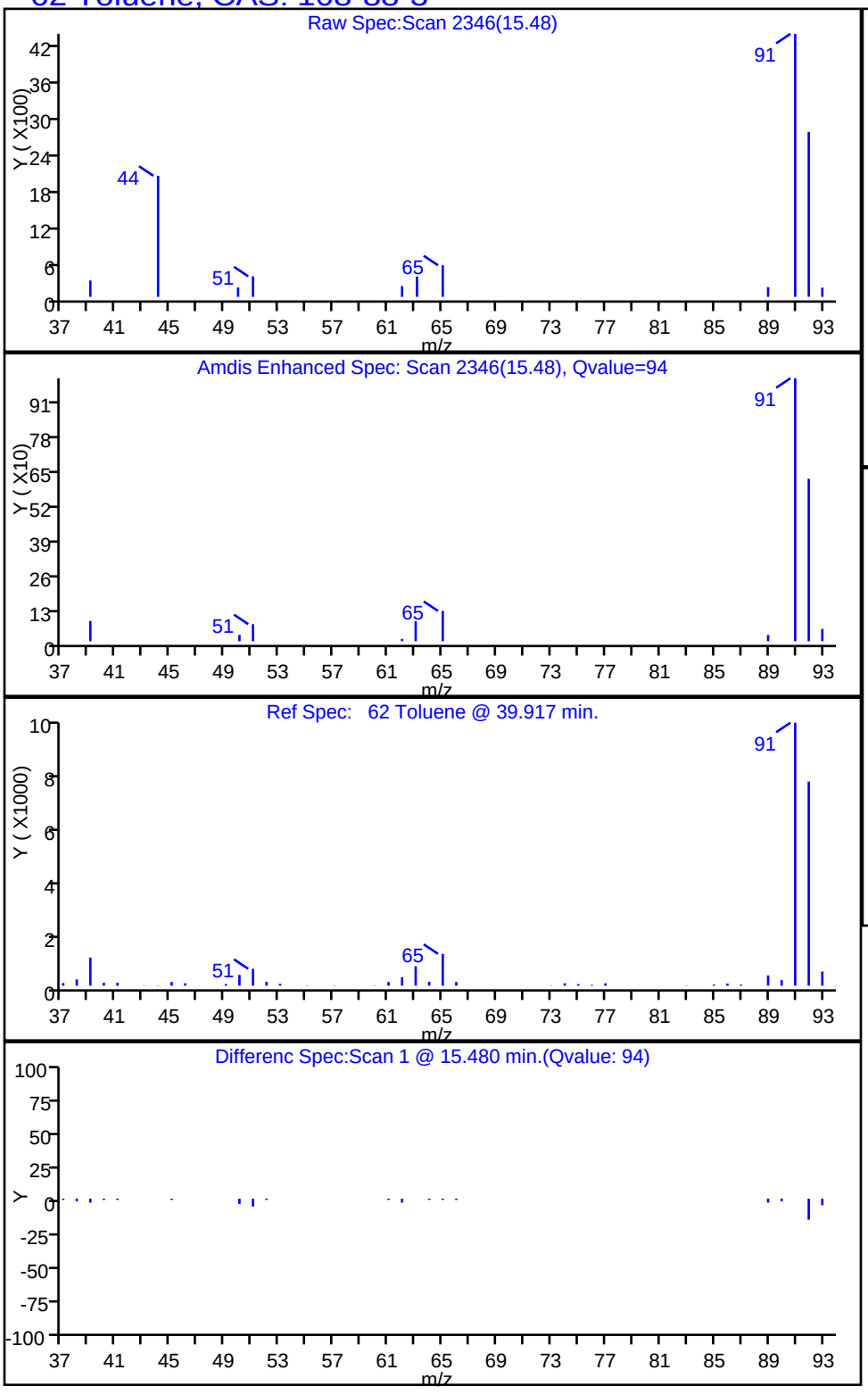


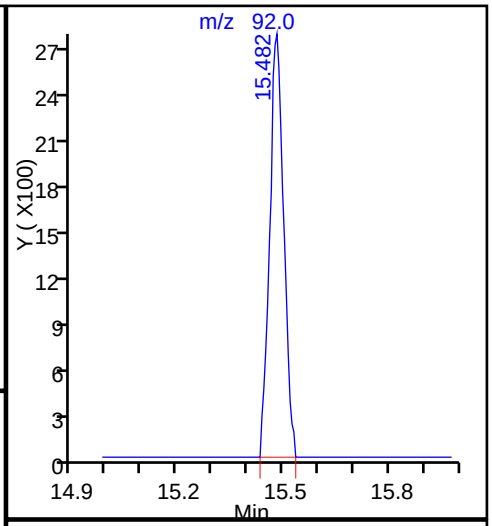


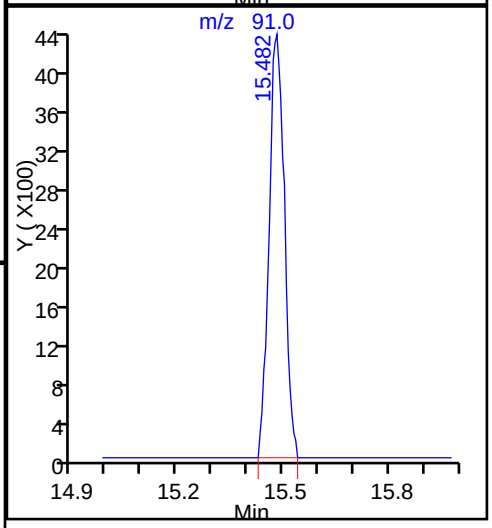
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

62 Toluene, CAS: 108-88-3





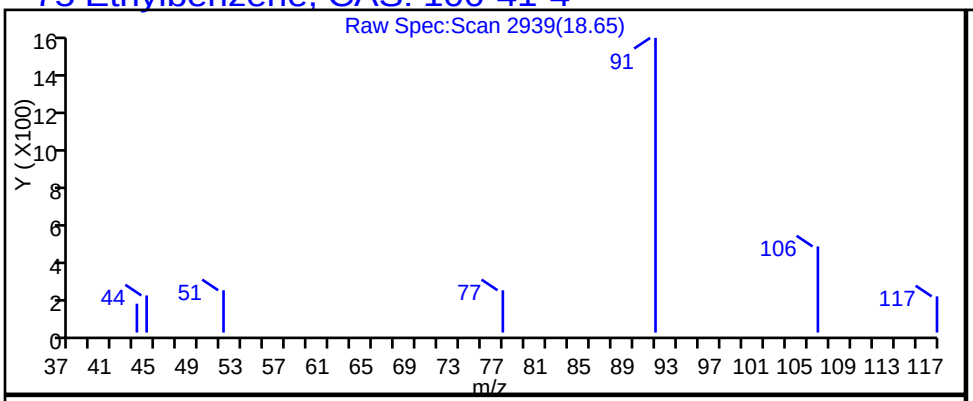


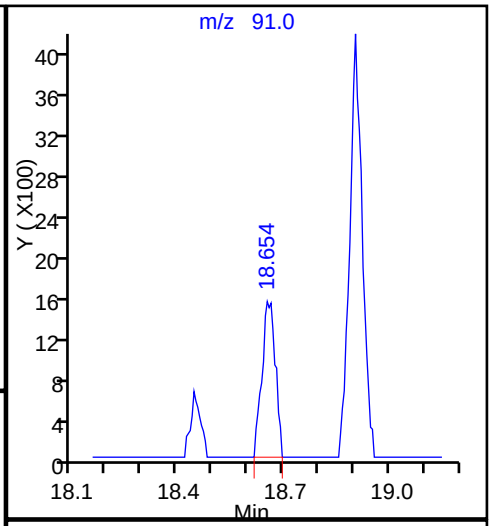
TestAmerica Burlington

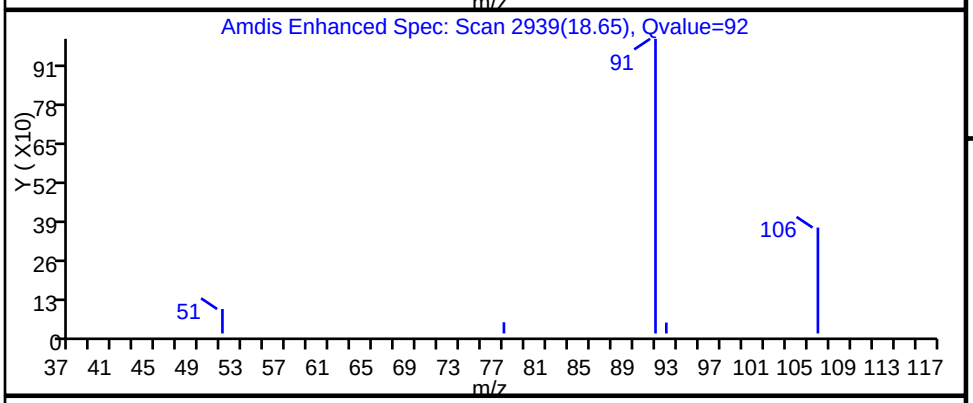
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D

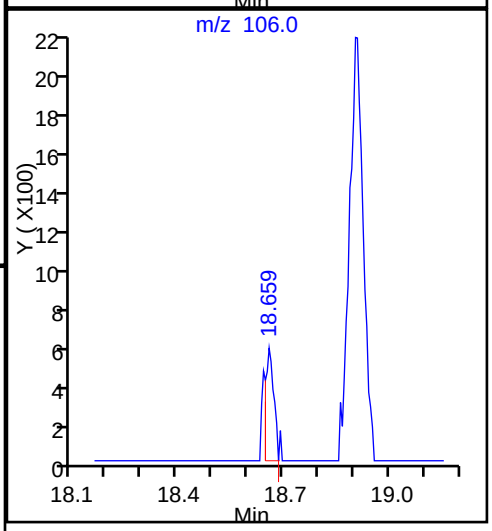
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

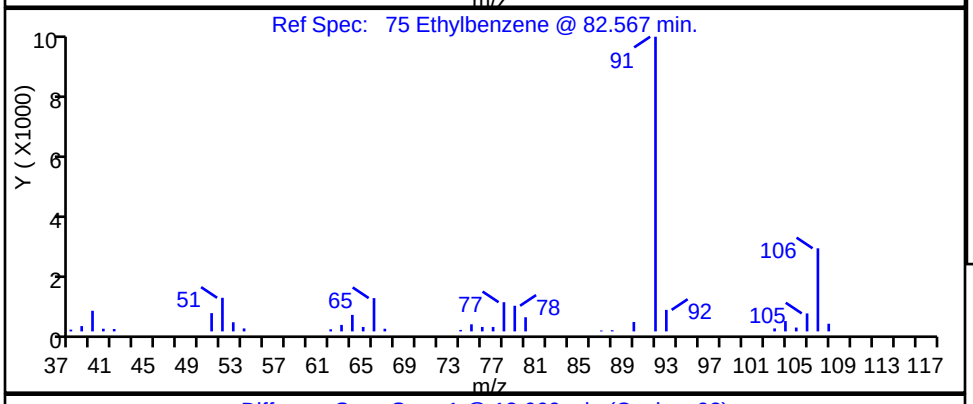
75 Ethylbenzene, CAS: 100-41-4

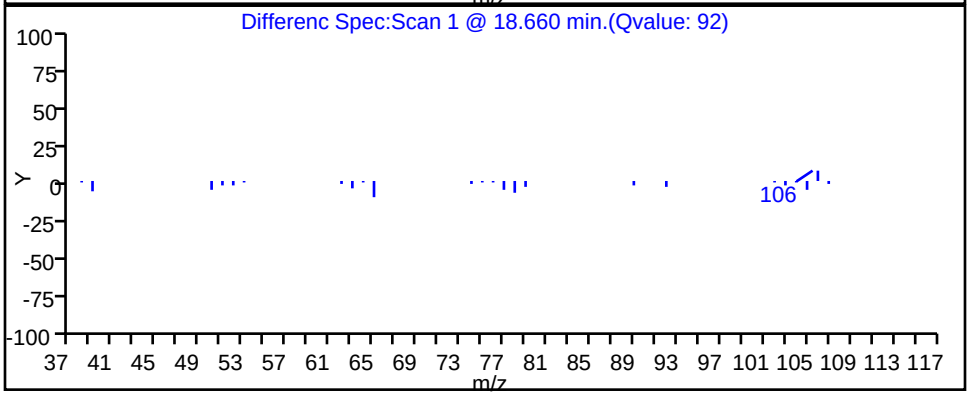








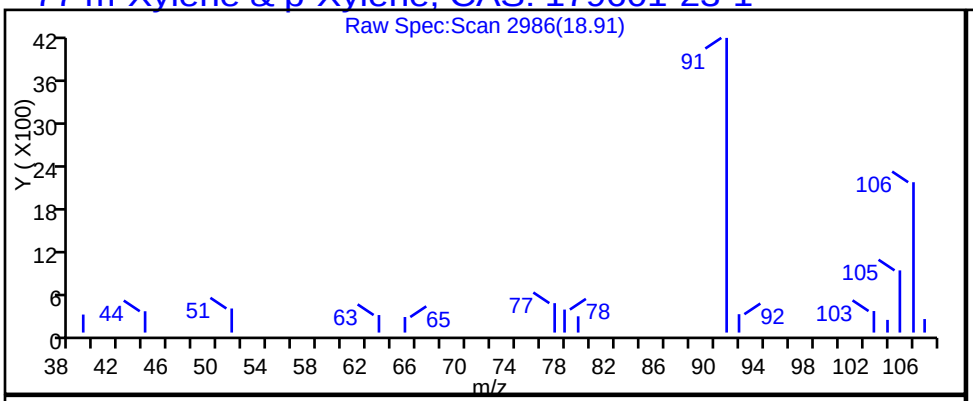


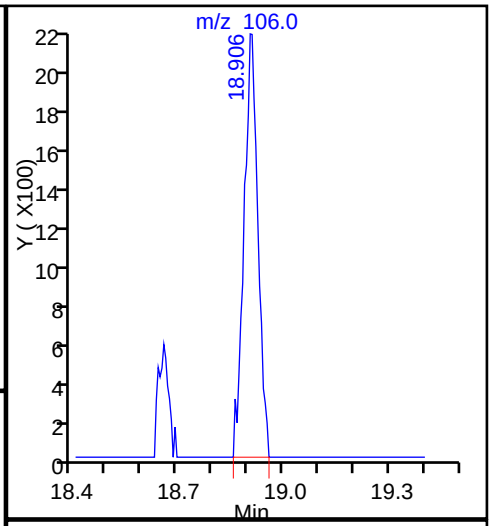


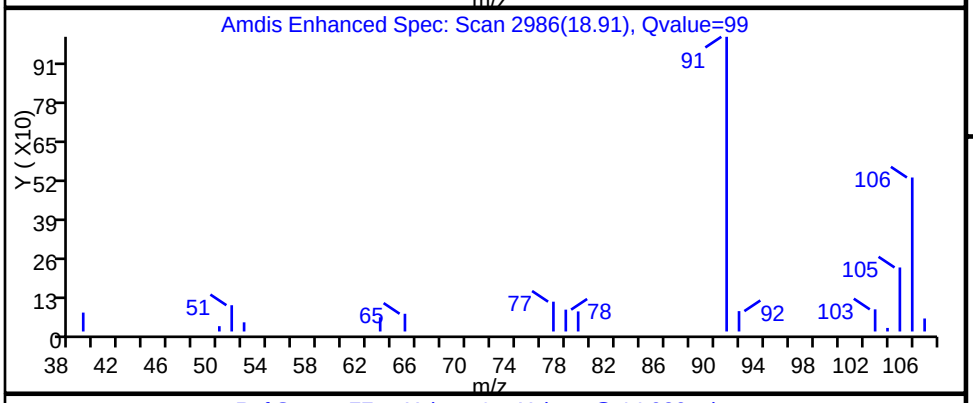
TestAmerica Burlington

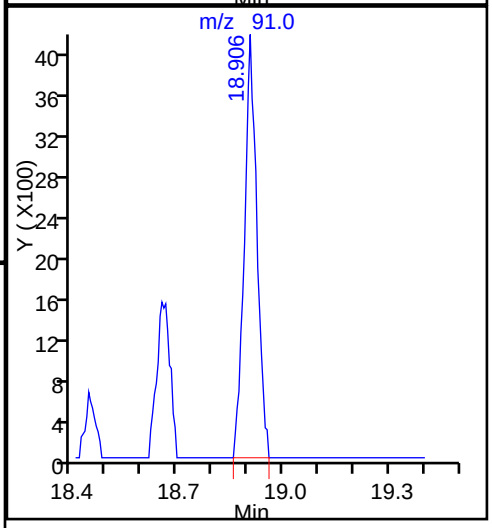
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

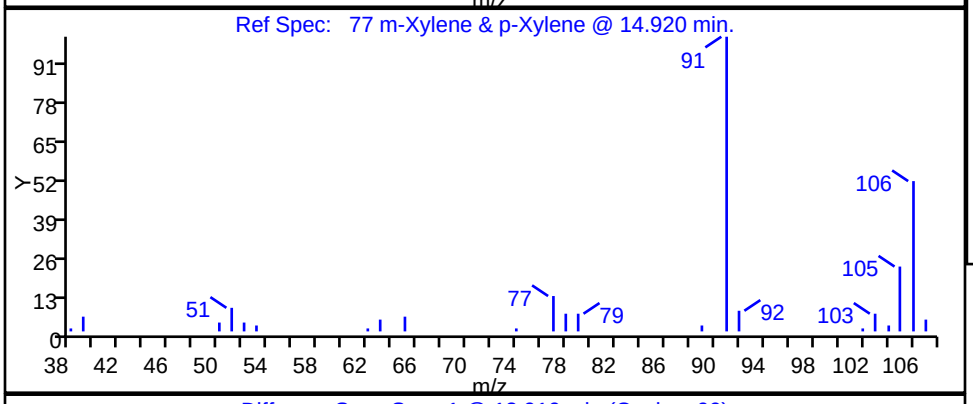
77 m-Xylene & p-Xylene, CAS: 179601-23-1

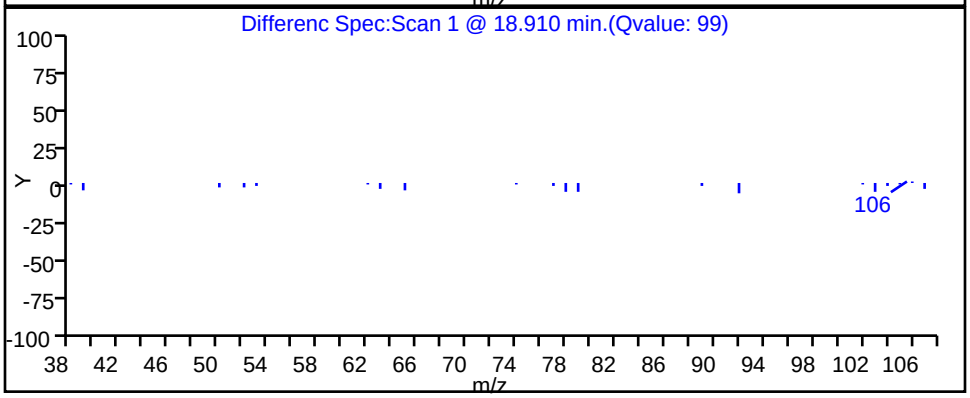








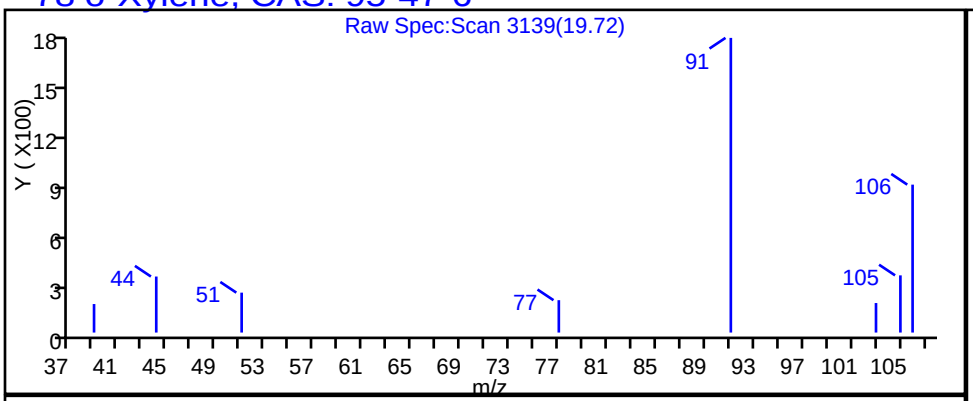


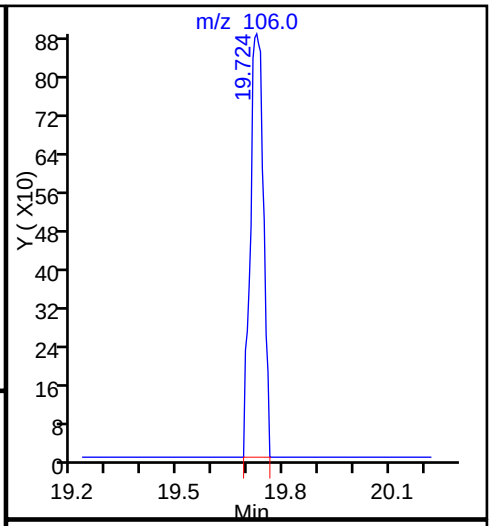


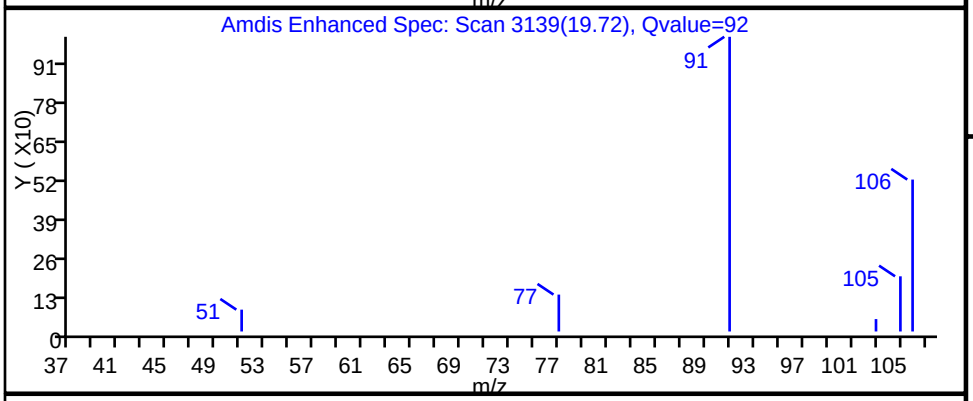
TestAmerica Burlington

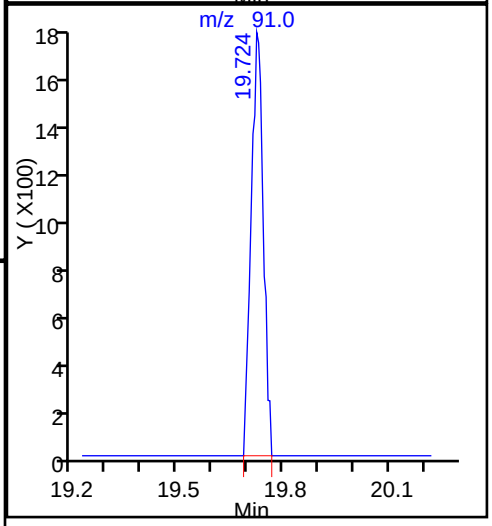
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

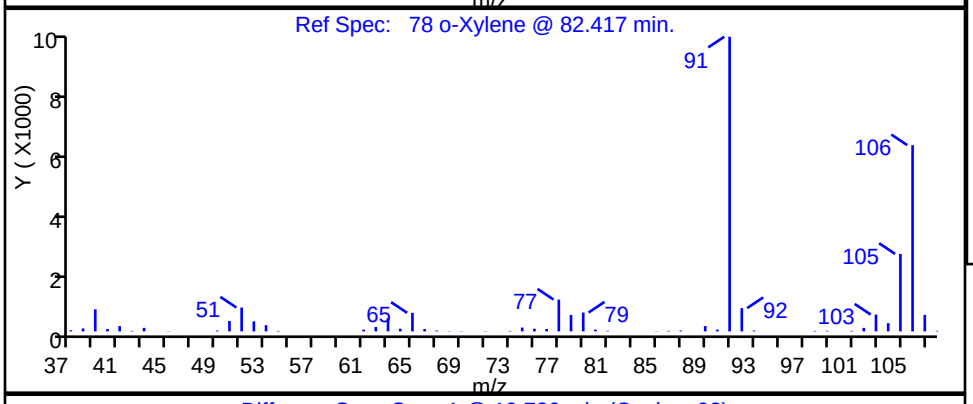
78 o-Xylene, CAS: 95-47-6

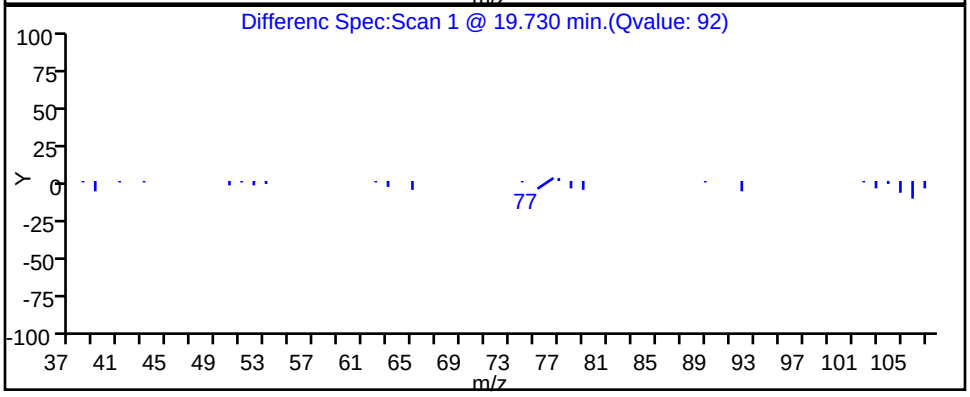








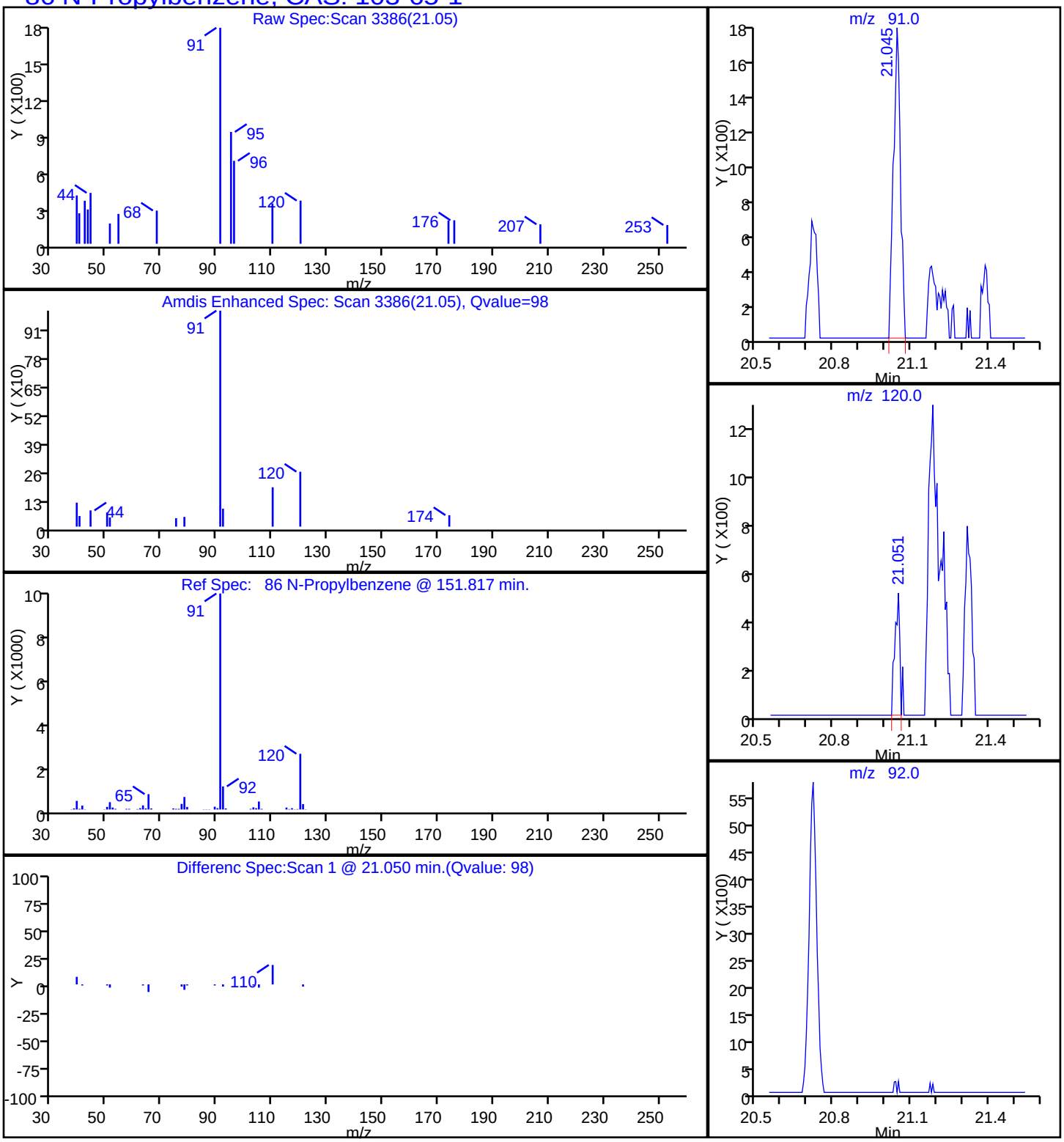




TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D
Injection Date: 05-Sep-2015 00:02:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-11 Lab Sample ID: 200-29580-11
Client ID: 774776OA1NA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

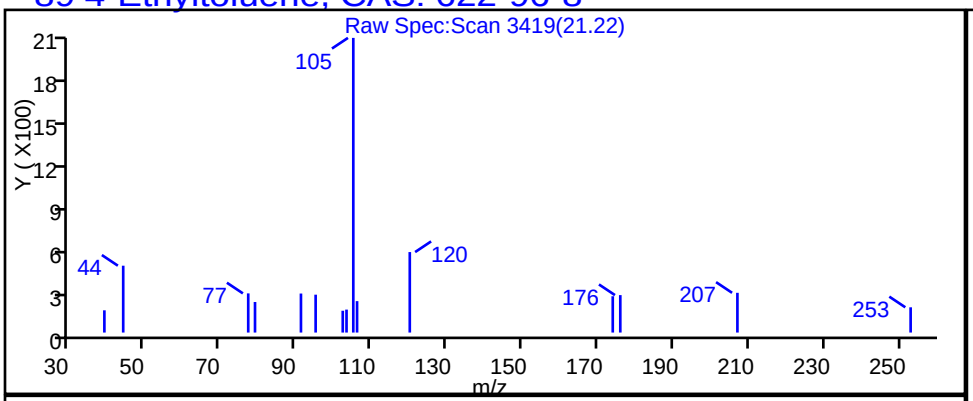
86 N-Propylbenzene, CAS: 103-65-1

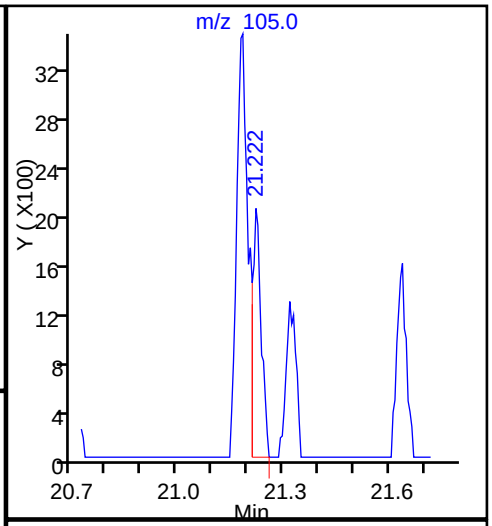


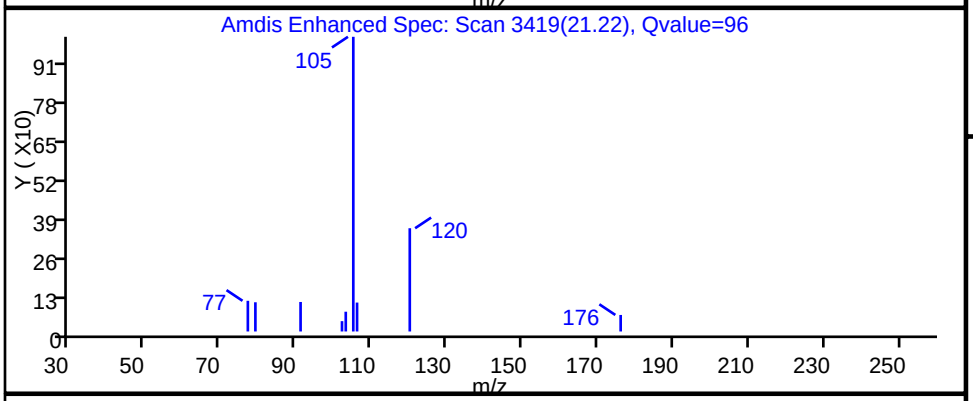
TestAmerica Burlington

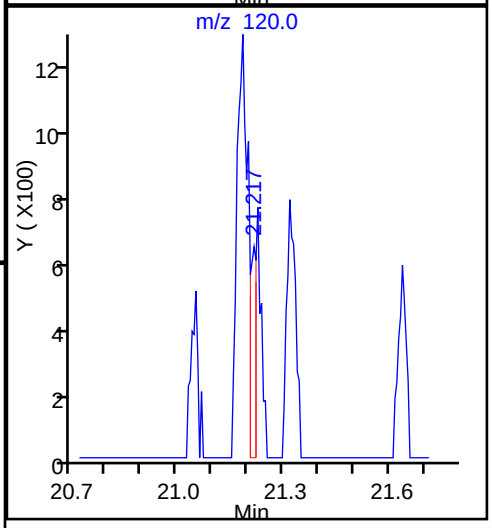
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

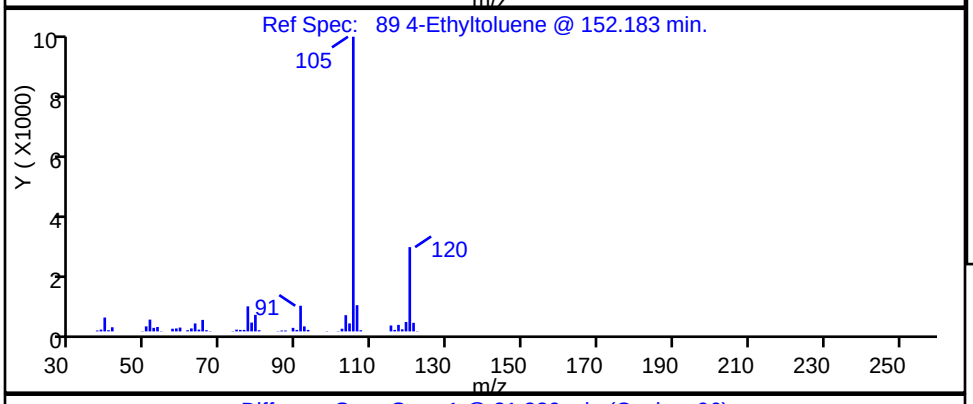
89 4-Ethyltoluene, CAS: 622-96-8

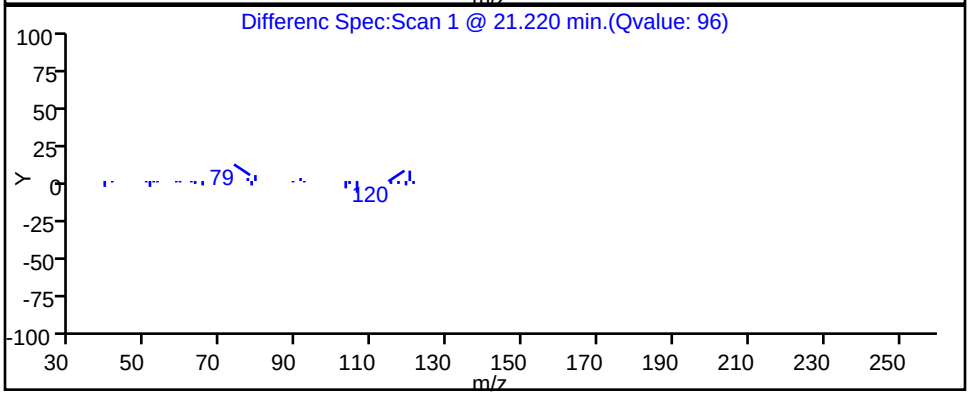








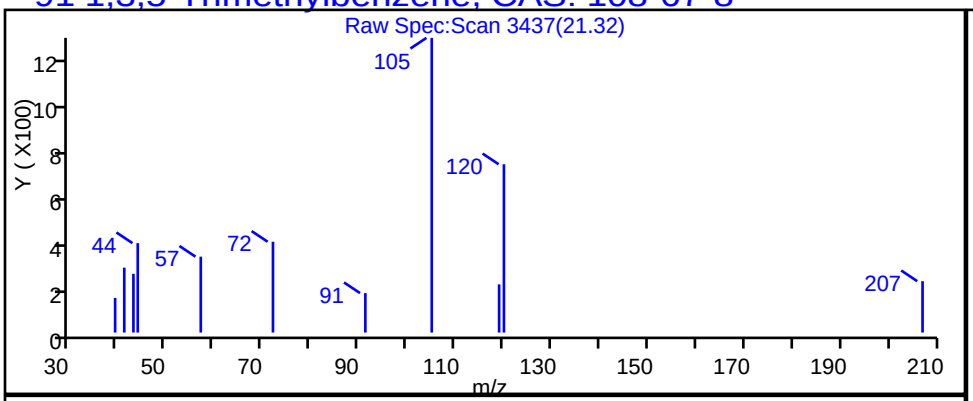


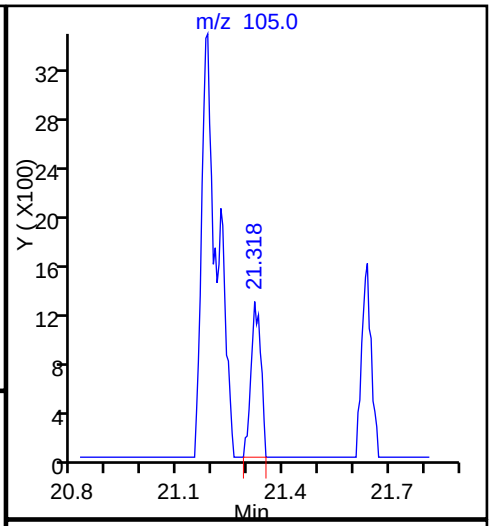


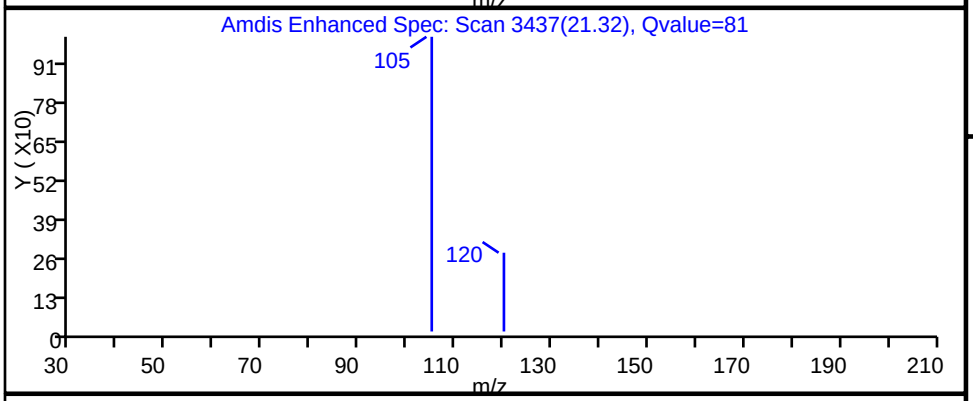
TestAmerica Burlington

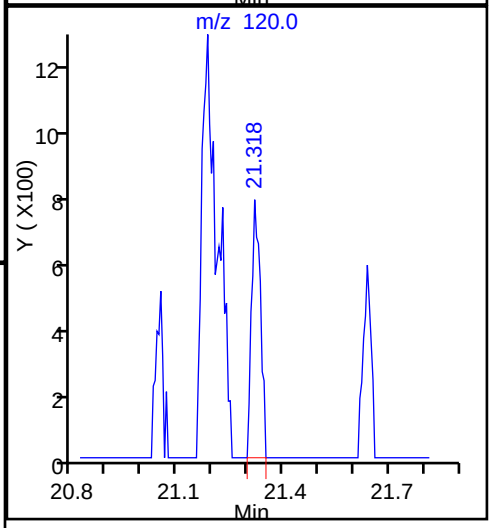
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

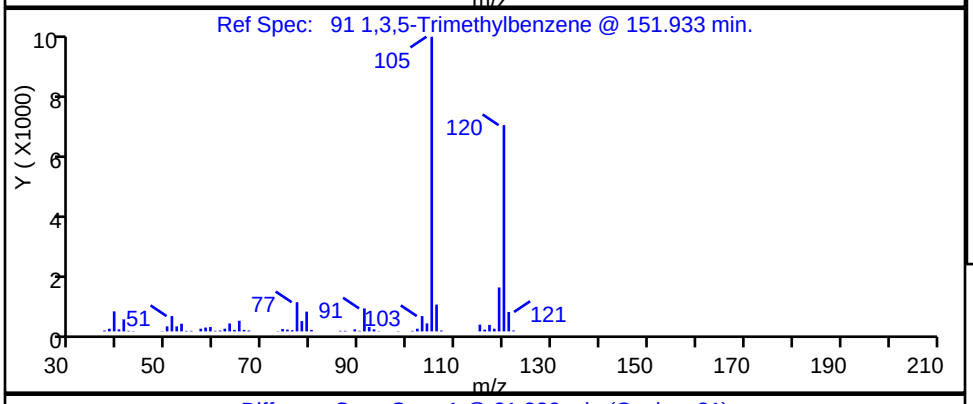
91 1,3,5-Trimethylbenzene, CAS: 108-67-8

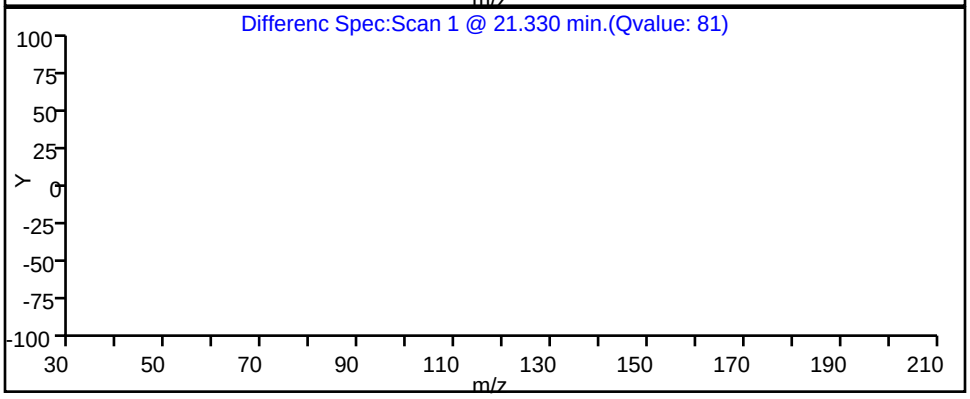








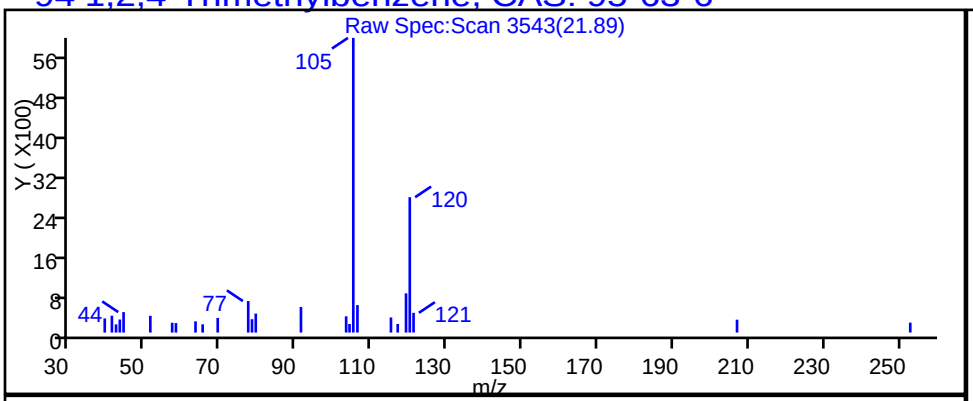


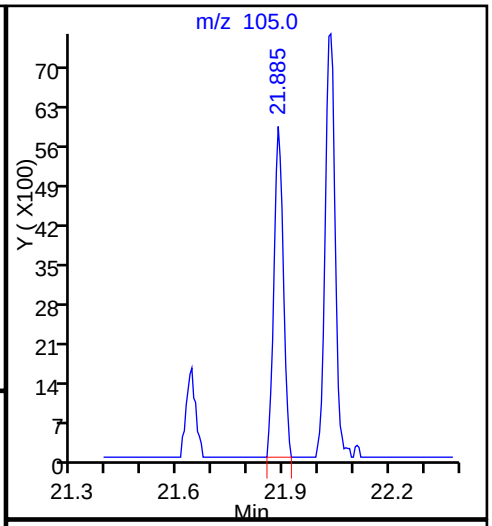


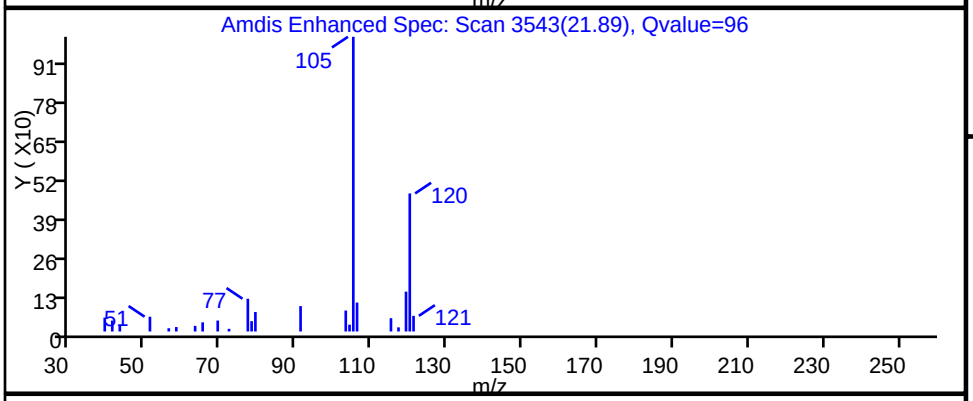
TestAmerica Burlington

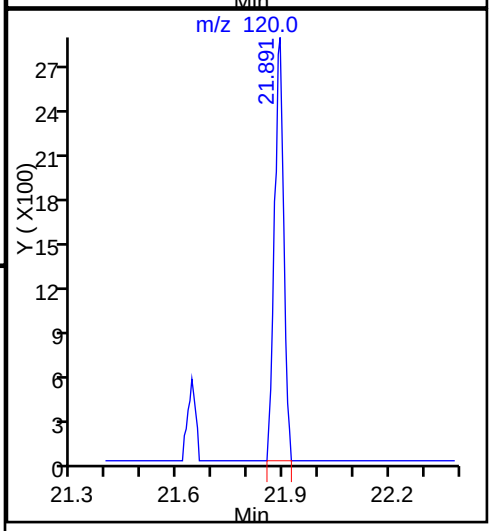
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

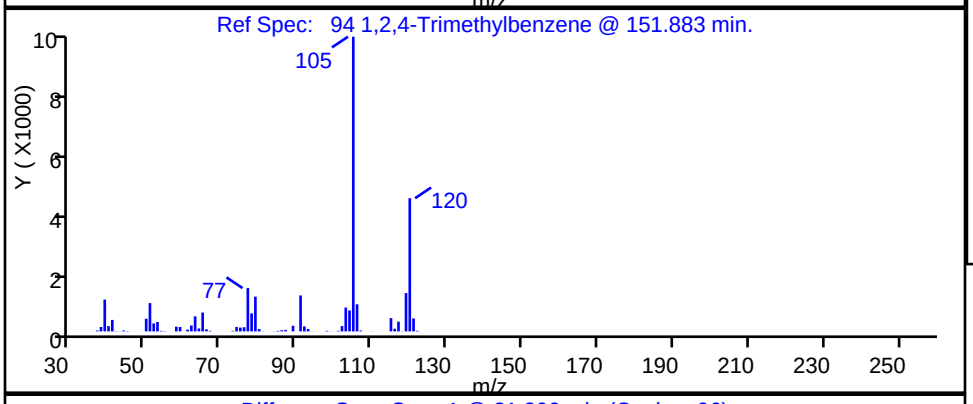
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

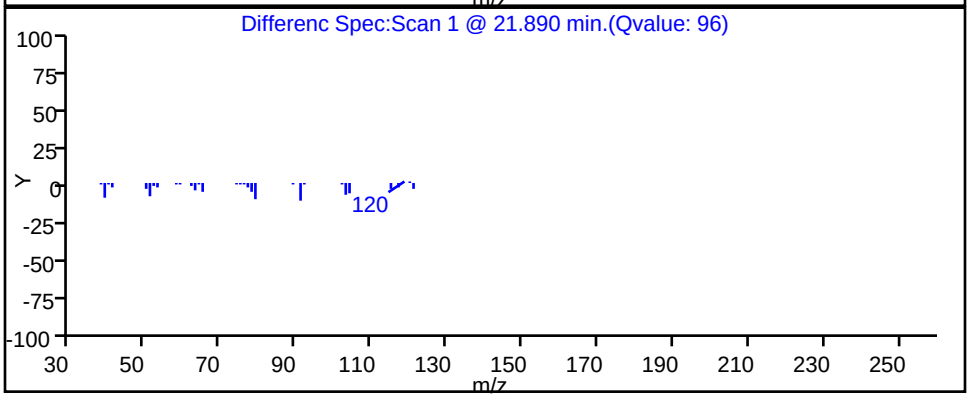








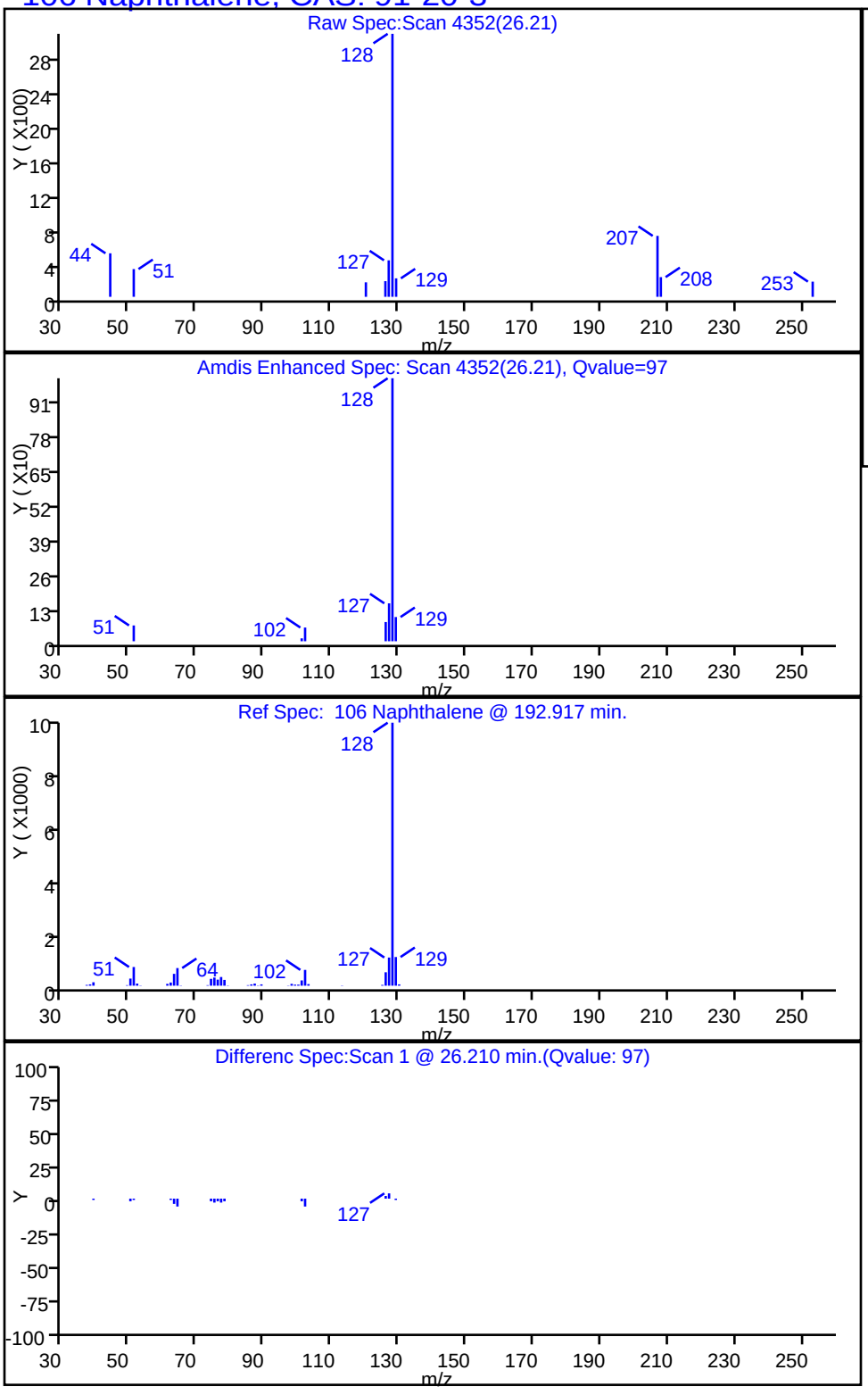


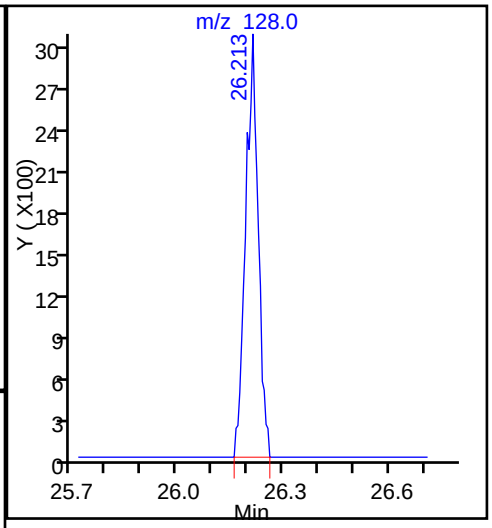


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

106 Naphthalene, CAS: 91-20-3





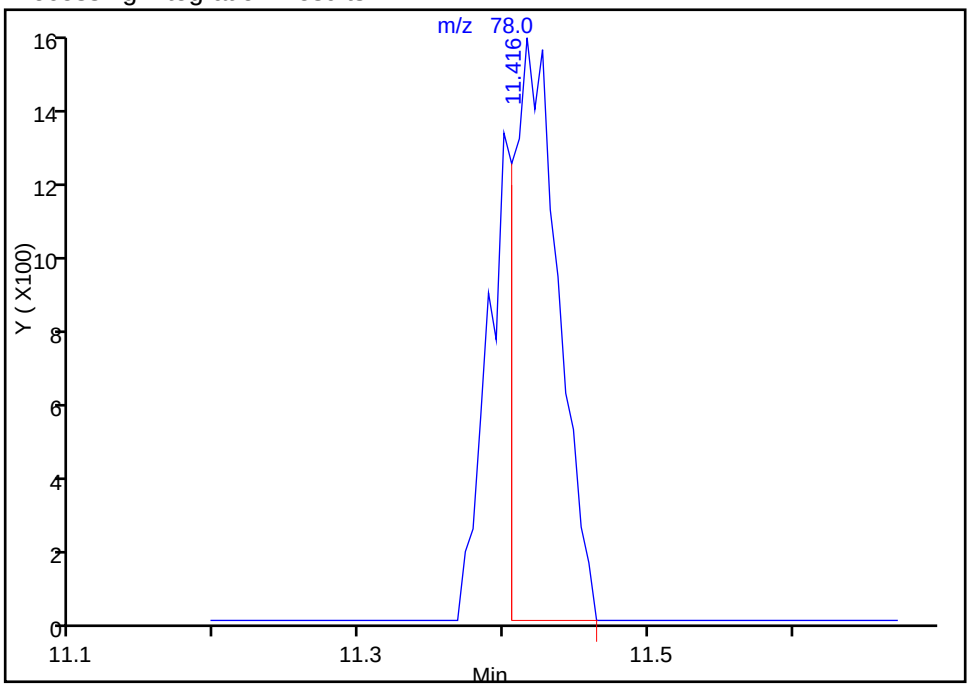
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_16.D				
Injection Date:	05-Sep-2015 00:02:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-11	Lab Sample ID:	200-29580-11		
Client ID:	774776OA1NA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2

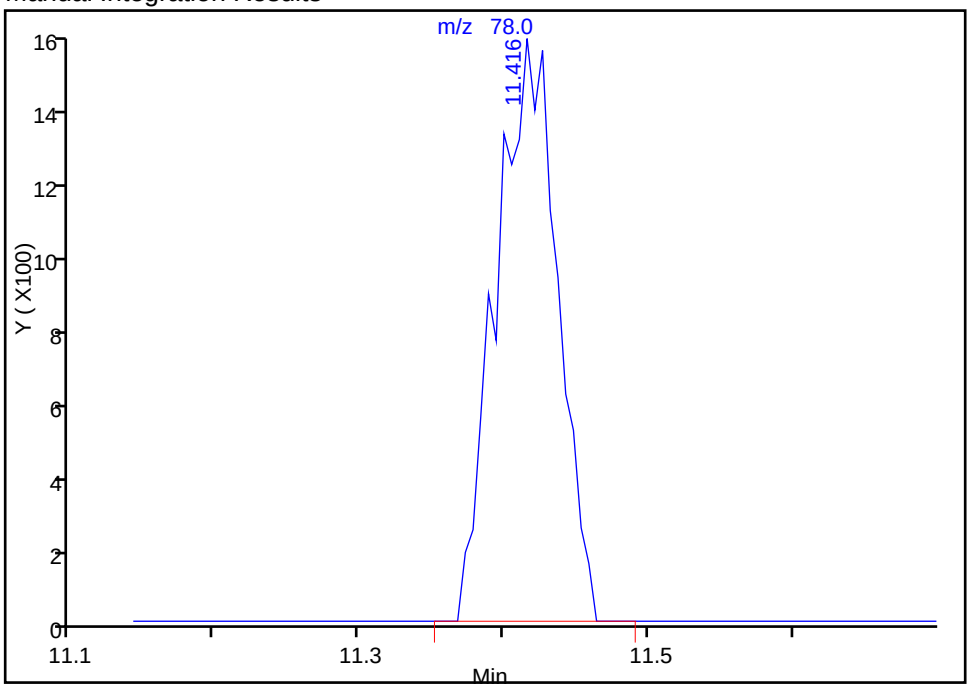
Processing Integration Results

RT: 11.42
Area: 3371
Amount: 0.076389
Amount Units: ppb v/v



Manual Integration Results

RT: 11.42
Area: 4626
Amount: 0.104828
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:00:40
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776IA1NA | Lab Sample ID: 200-29580-12

Matrix: Air | Lab File ID: 15629_17.D

Analysis Method: TO-15 | Date Collected: 08/31/2015 08:20

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 00:51

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.: 93647 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.48	J	0.50	0.056
75-45-6	Freon 22	86.47	1.2		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.54		0.50	0.060
106-97-8	n-Butane	58.12	0.63		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.23		0.20	0.045
76-13-1	Freon TF	187.38	0.055	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	13		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	11		5.0	0.15
75-15-0	Carbon disulfide	76.14	0.22	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.27	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.095	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.3		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.044	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.081	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.056	J	0.20	0.023
71-43-2	Benzene	78.11	0.12	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776IA1NA Lab Sample ID: 200-29580-12

Matrix: Air Lab File ID: 15629_17.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:20

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:51

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.097	J	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.38		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.086	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.20	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.073	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.27	J	0.70	0.041
100-42-5	Styrene	104.15	0.078	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.020	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.059	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.023	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776IA1NA Lab Sample ID: 200-29580-12

Matrix: Air Lab File ID: 15629_17.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:20

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:51

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.20	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776IA1NA Lab Sample ID: 200-29580-12

Matrix: Air Lab File ID: 15629_17.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:20

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:51

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.28
75-45-6	Freon 22	86.47	4.4		1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.1		1.0	0.12
106-97-8	n-Butane	58.12	1.5		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	0.25
76-13-1	Freon TF	187.38	0.42	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	32		12	1.6
67-63-0	Isopropyl alcohol	60.10	28		12	0.37
75-15-0	Carbon disulfide	76.14	0.69	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.95	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.33	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	3.9		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.22	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.51	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.26	J	0.93	0.11
71-43-2	Benzene	78.11	0.37	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776IA1NA Lab Sample ID: 200-29580-12

Matrix: Air Lab File ID: 15629_17.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:20

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:51

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.52	J	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	1.4		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.37	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.89	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.32	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	1.2	J	3.0	0.18
100-42-5	Styrene	104.15	0.33	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.097	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.29	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.13	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 776IA1NA Lab Sample ID: 200-29580-12

Matrix: Air Lab File ID: 15629_17.D

Analysis Method: TO-15 Date Collected: 08/31/2015 08:20

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 00:51

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	1.1	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Sample Type: Client
Inject. Date: 05-Sep-2015 00:51:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-017
Misc. Info.: 29580-12
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2015 09:04:11 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 08-Sep-2015 09:04:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.172	3.167	0.005	98	12564	0.4825	
3 Chlorodifluoromethane	51	3.226	3.215	0.011	97	15700	1.25	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.429				ND	
5 Chloromethane	50	3.573	3.568	0.005	98	3940	0.5377	
6 Butane	43	3.766	3.761	0.006	96	7532	0.6258	
7 Vinyl chloride	62		3.809				ND	
8 Butadiene	54		3.884				ND	
9 Bromomethane	94		4.552				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101	5.253	5.248	0.005	95	6617	0.2304	
18 1,1,2-Trichloro-1,2,2-trif	101	6.296	6.291	0.005	35	1255	0.0546	
20 1,1-Dichloroethene	96		6.350				ND	
21 Acetone	43	6.601	6.596	0.005	87	157644	13.5	
22 Carbon disulfide	76	6.751	6.740	0.011	97	6020	0.2205	
23 Isopropyl alcohol	45	6.970	6.885	0.085	98	124489	11.2	
24 3-Chloro-1-propene	41		7.120				ND	
26 Methylene Chloride	49	7.414	7.409	0.005	84	2699	0.2736	
28 2-Methyl-2-propanol	59		7.660				ND	
29 Methyl tert-butyl ether	73		7.810				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.222	8.206	0.016	53	1391	0.0949	
33 1,1-Dichloroethane	63		8.709				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72	9.886	9.870	0.016	100	8201	1.32	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	77	133860	10.0	
39 Tetrahydrofuran	42		10.293				ND	
41 Chloroform	83	10.410	10.410	0.000	89	1106	0.0445	
42 Cyclohexane	84		10.651				ND	
43 1,1,1-Trichloroethane	97		10.688				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117	10.945	10.934	0.011	90	2260	0.0807	
	45 Isooctane	57	11.379	11.362	0.017	86	3470	0.0563	
	46 Benzene	78	11.411	11.411	0.000	93	4956	0.1152	
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43		11.748				ND	
*	50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	737059	10.0	
	52 Trichloroethene	95	12.743	12.743	0.000	32	2096	0.0967	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88		13.567				ND	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43	15.236	15.182	0.054	94	4891	0.1739	
	62 Toluene	92	15.476	15.482	-0.006	93	14553	0.3846	
	67 trans-1,3-Dichloropropene	75		16.097				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.584				ND	
	70 2-Hexanone	43	16.980	16.948	0.032	93	4586	0.1632	
	71 Chlorodibromomethane	129		17.269				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.451	18.451	0.000	83	743024	10.0	
	74 Chlorobenzene	112		18.515				ND	
	75 Ethylbenzene	91	18.660	18.654	0.006	95	7029	0.0862	
	77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	7044	0.2048	
	78 o-Xylene	106	19.724	19.724	0.000	90	2467	0.0726	
	79 Styrene	104	19.767	19.772	-0.005	94	4114	0.0775	
S	80 Xylenes, Total	106				0		0.2774	
	81 Bromoform	173		20.184				ND	
	82 Isopropylbenzene	105		20.361				ND	
	85 1,1,2,2-Tetrachloroethane	83		20.987				ND	
	86 N-Propylbenzene	91	21.046	21.045	0.001	95	2065	0.0183	
	89 4-Ethyltoluene	105		21.222				ND	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	86	1599	0.0198	
	93 tert-Butylbenzene	119		21.794				ND	
	94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	93	4788	0.0590	
	95 sec-Butylbenzene	105		22.110				ND	
	96 4-Isopropyltoluene	119	22.308	22.303	0.005	94	2404	0.0232	
	97 1,3-Dichlorobenzene	146		22.351				ND	
	98 1,4-Dichlorobenzene	146		22.490				ND	
	99 Benzyl chloride	91		22.693				ND	
	101 n-Butylbenzene	91		22.896				ND	
	102 1,2-Dichlorobenzene	146		23.046				ND	
	104 1,2,4-Trichlorobenzene	180		25.678				ND	
	105 Hexachlorobutadiene	225		25.865				ND	
	106 Naphthalene	128	26.213	26.208	0.005	99	21293	0.2038	

Reagents:

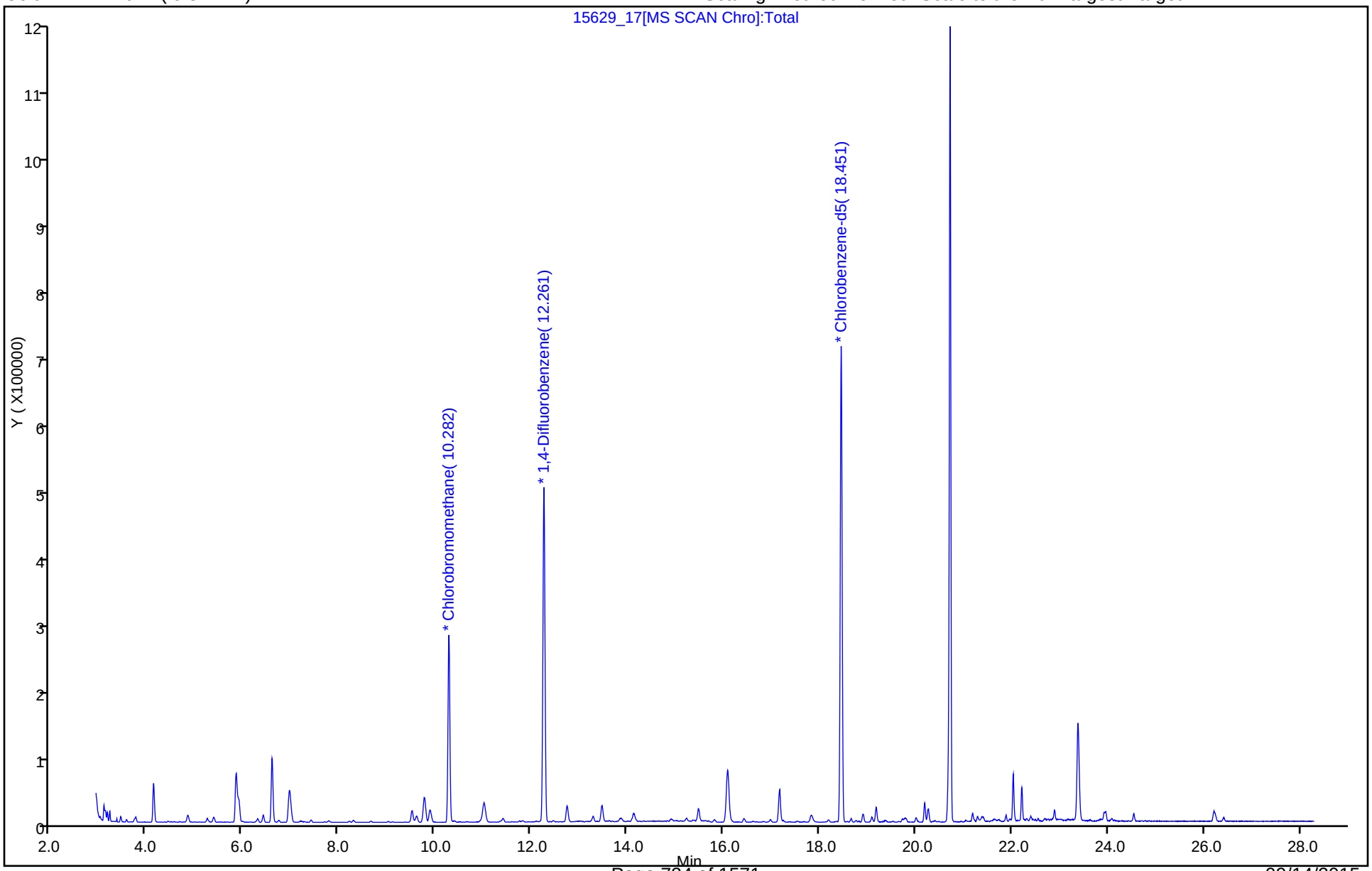
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 08-Sep-2015 09:04:13 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12	Worklist Smp#:	17
Client ID:	776IA1NA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3_CHX.i.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

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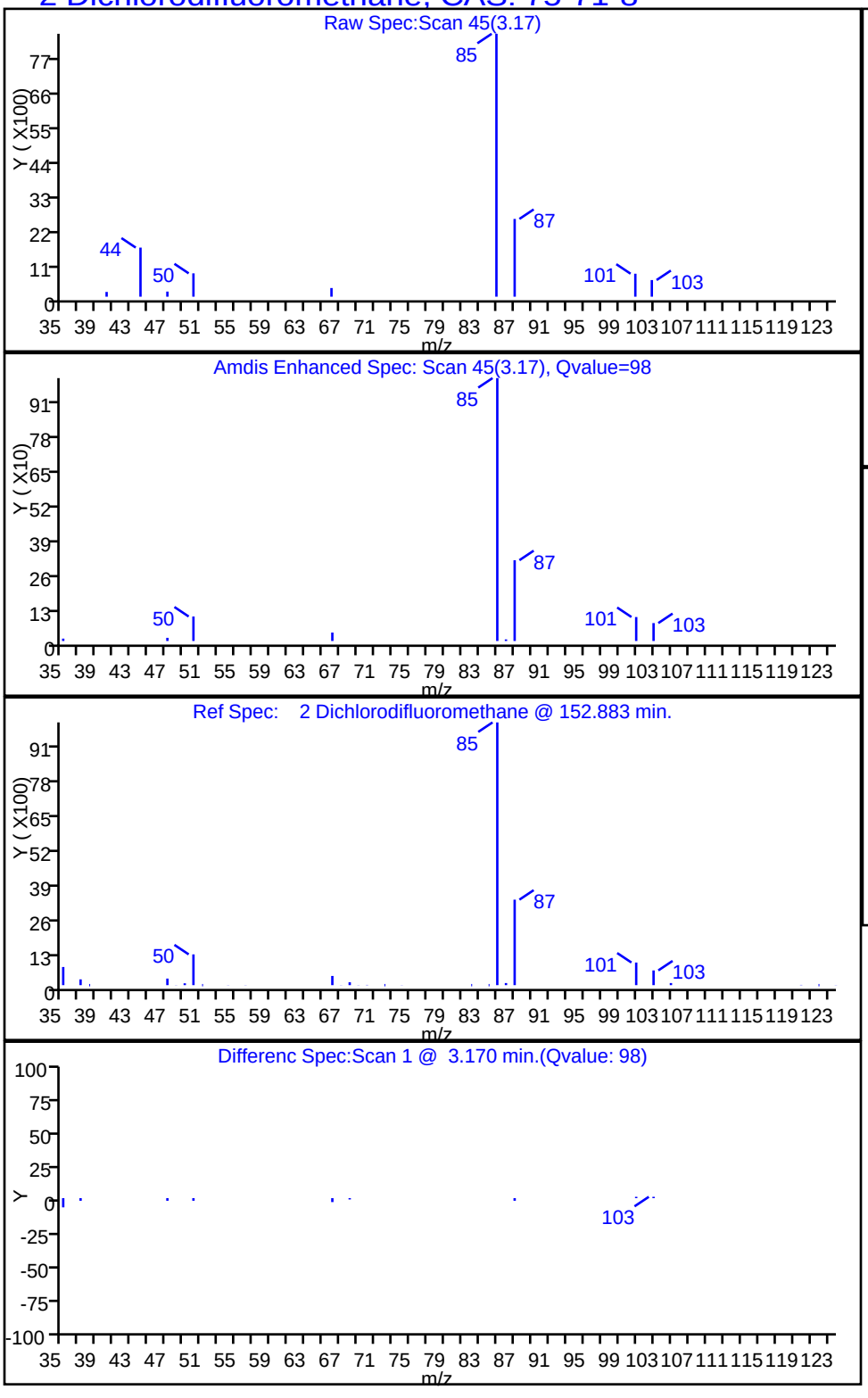
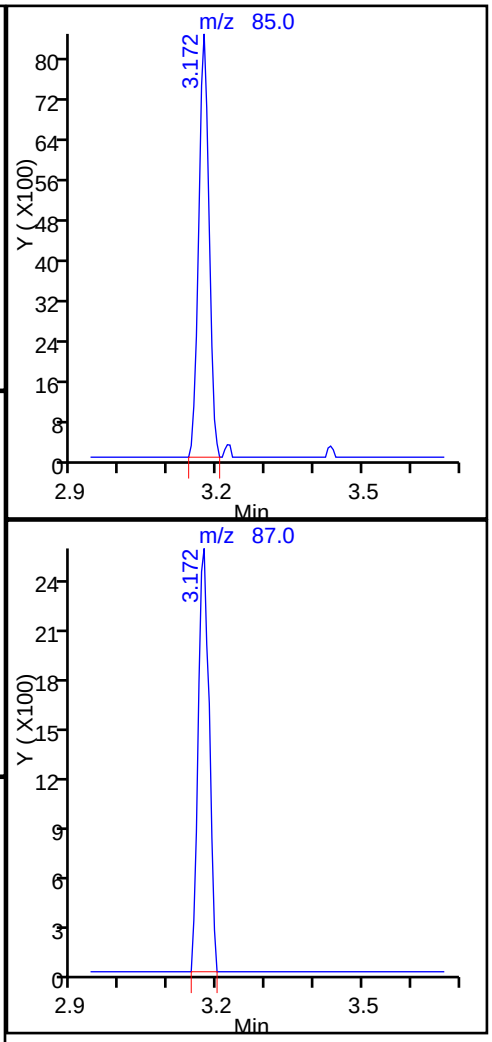
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8





TestAmerica Burlington

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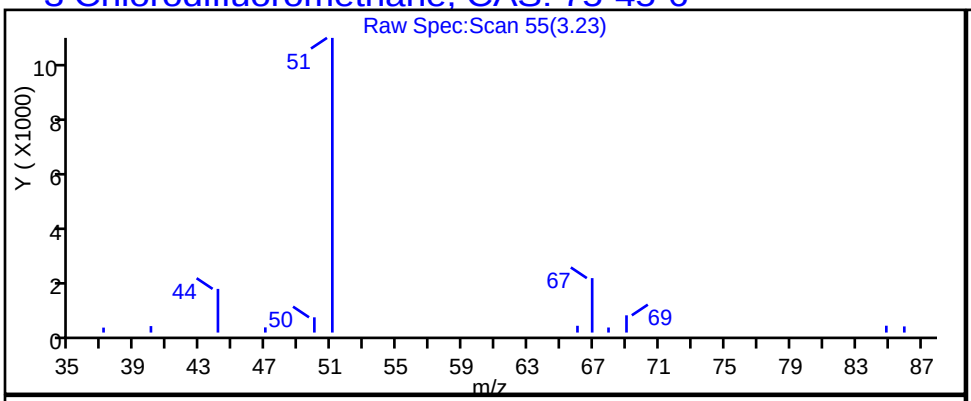
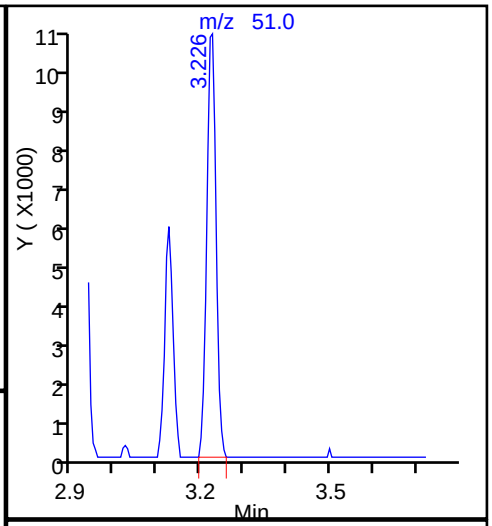
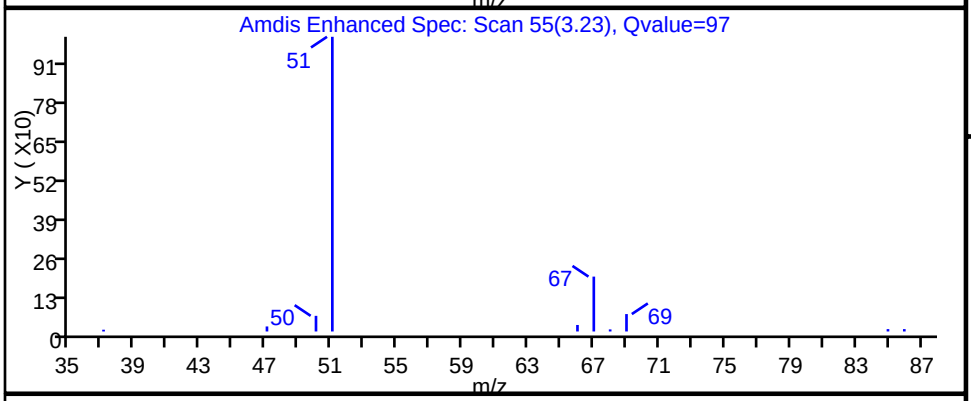
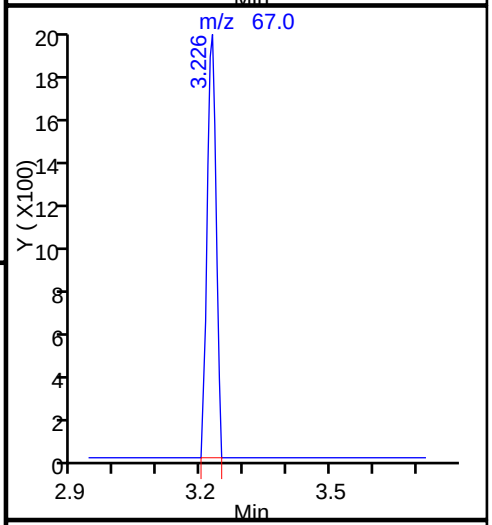
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

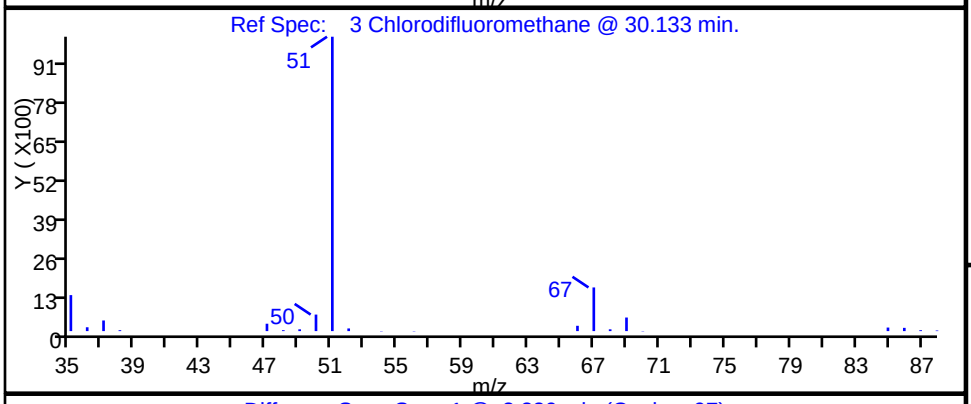
3 Chlorodifluoromethane, CAS: 75-45-6

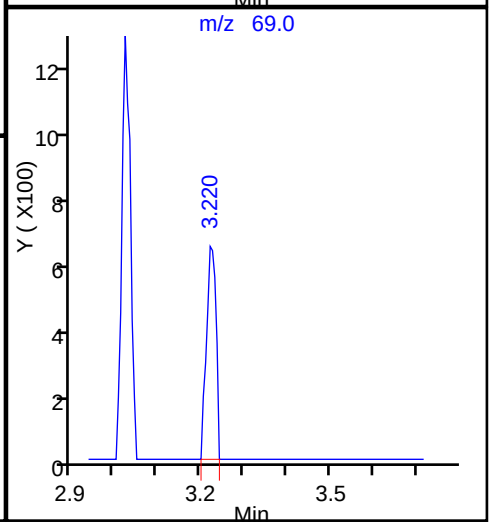


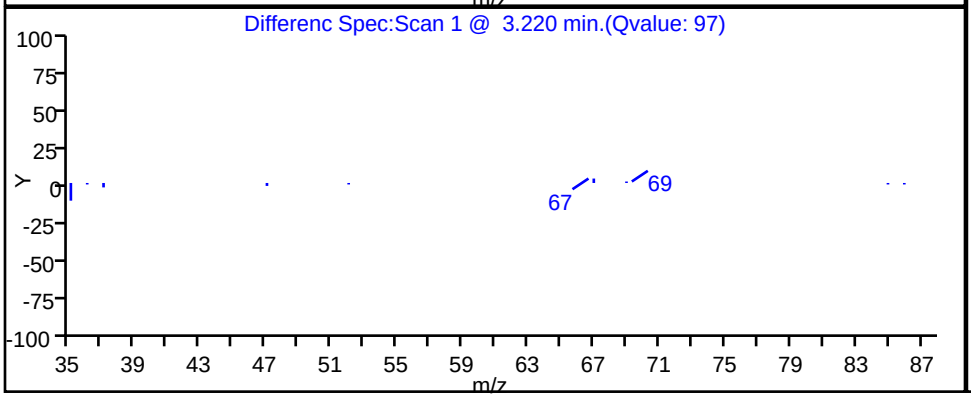












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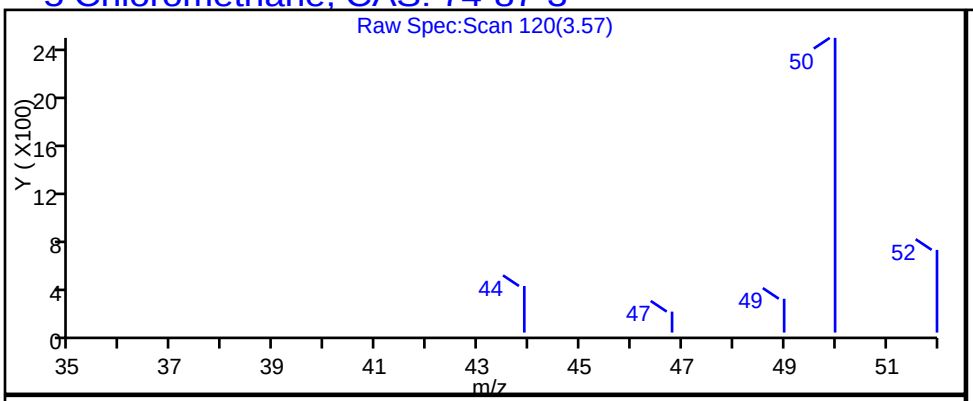
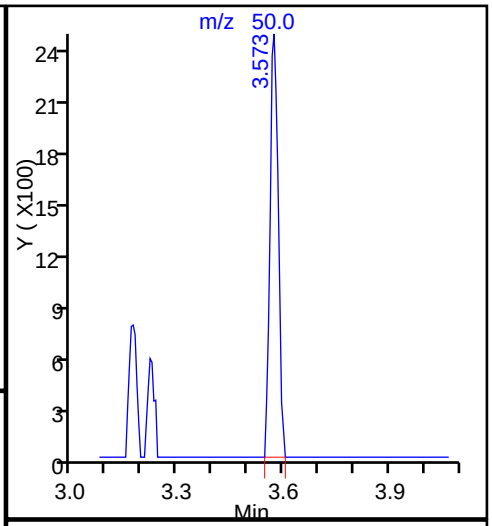
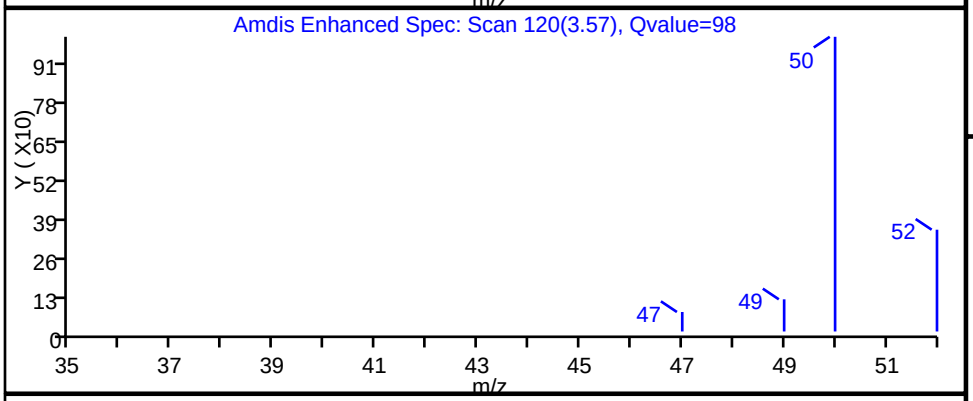
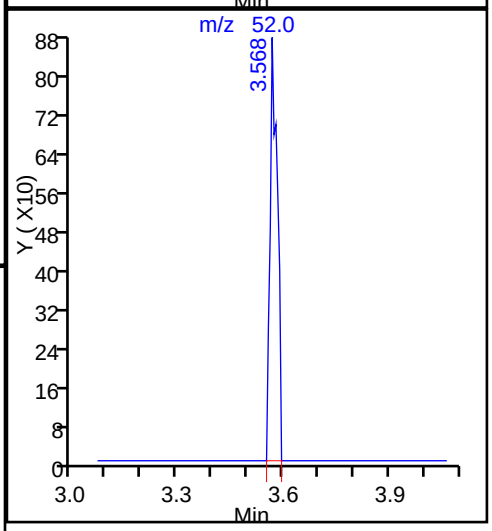
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

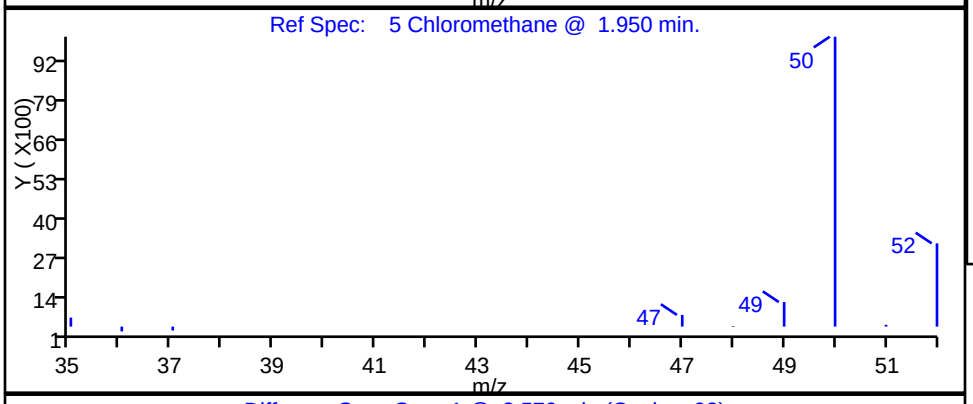
5 Chloromethane, CAS: 74-87-3

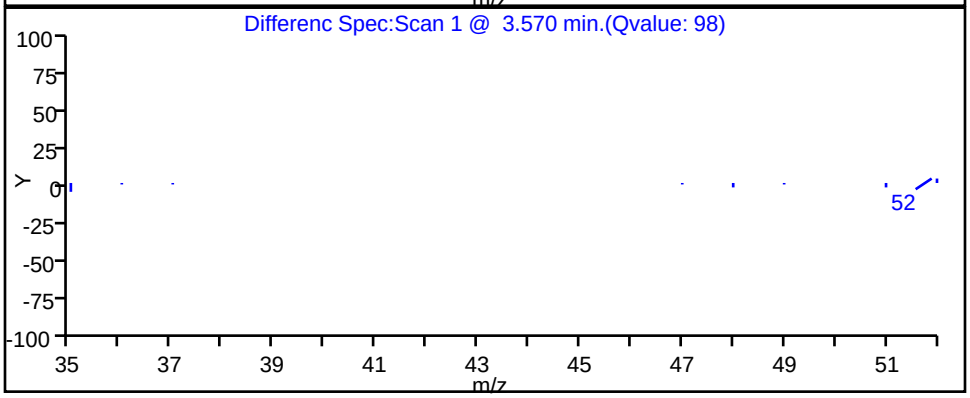












TestAmerica Burlington

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Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
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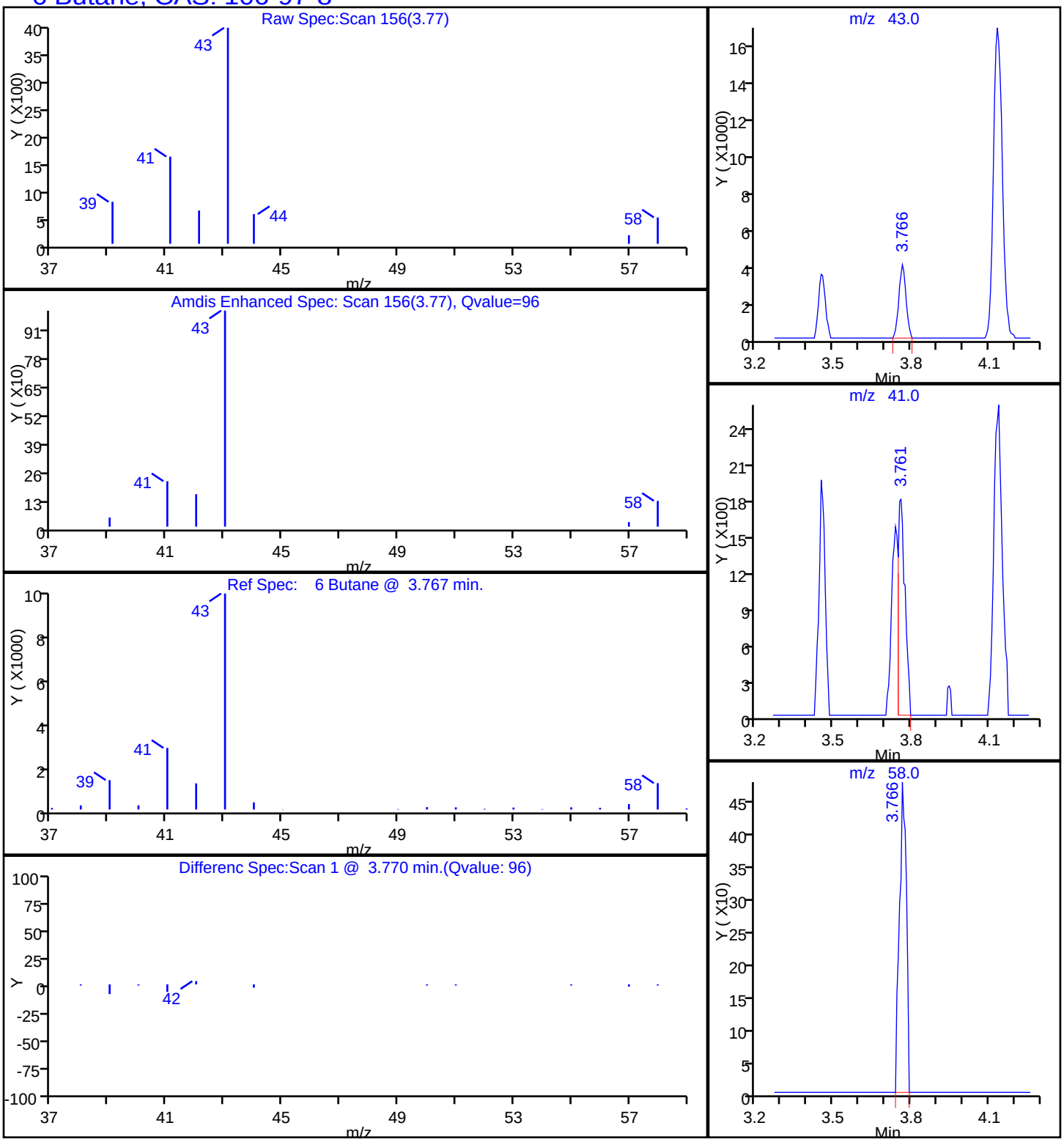
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

6 Butane, CAS: 106-97-8



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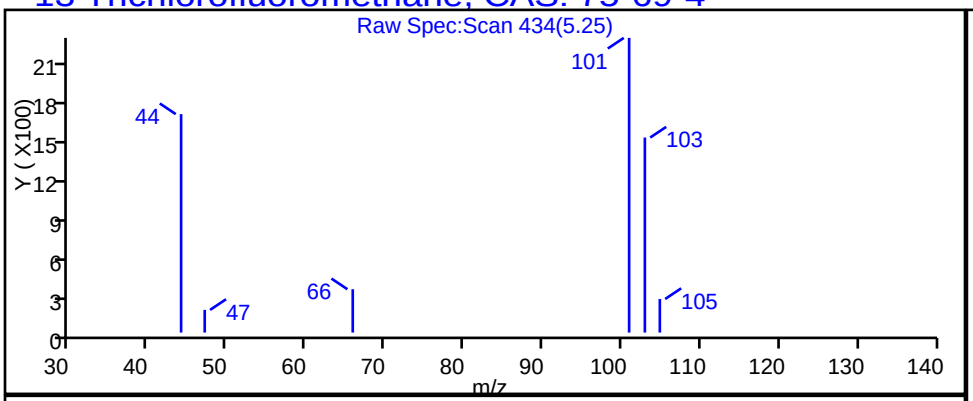
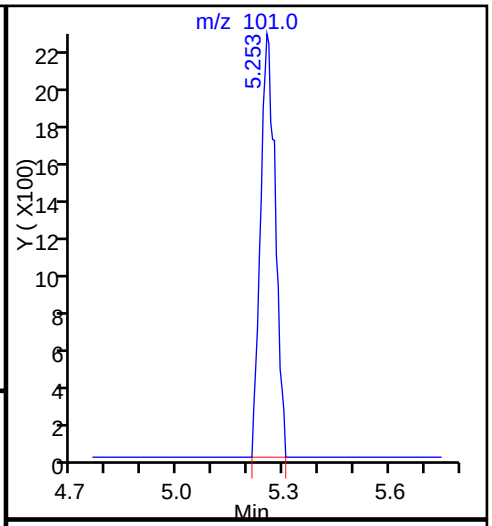
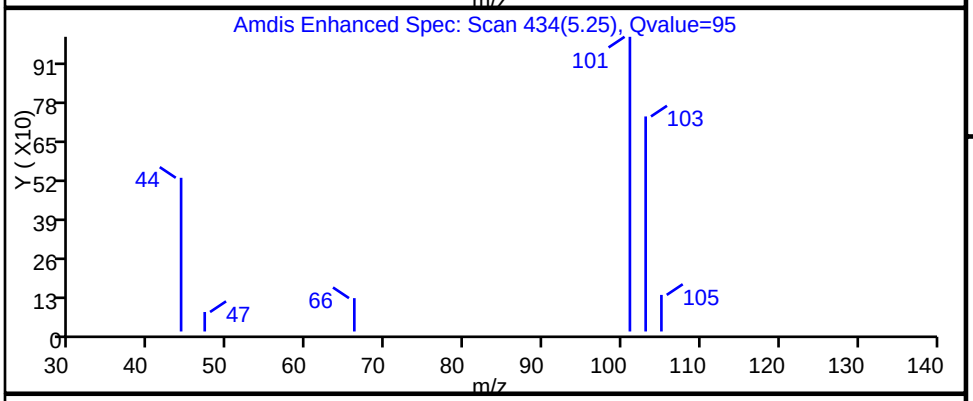
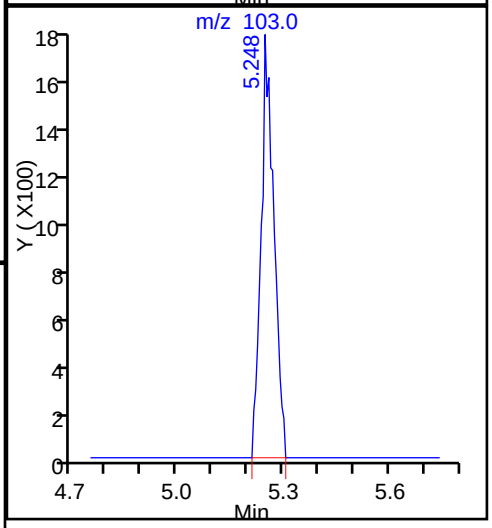
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

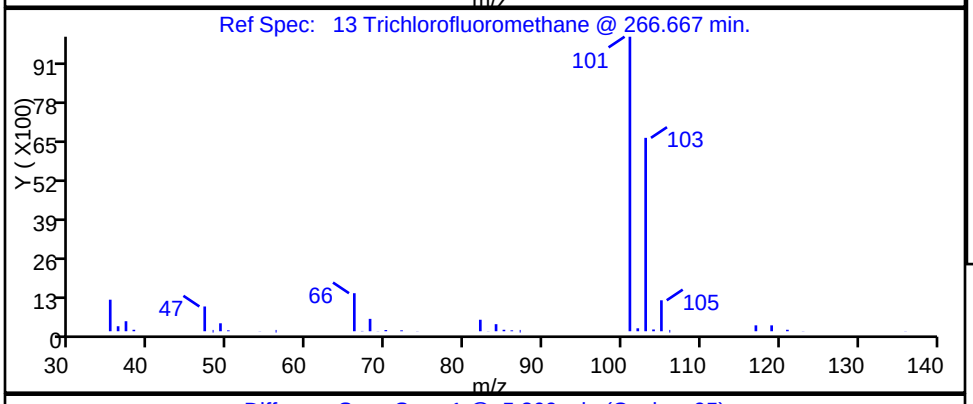
13 Trichlorofluoromethane, CAS: 75-69-4

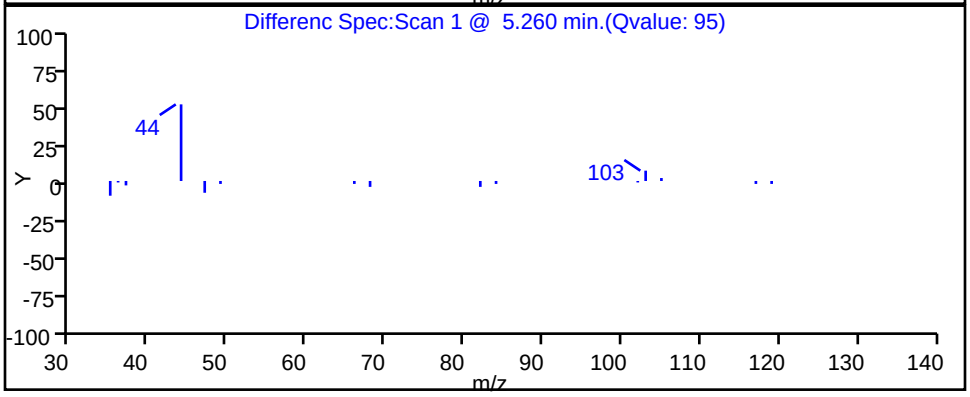












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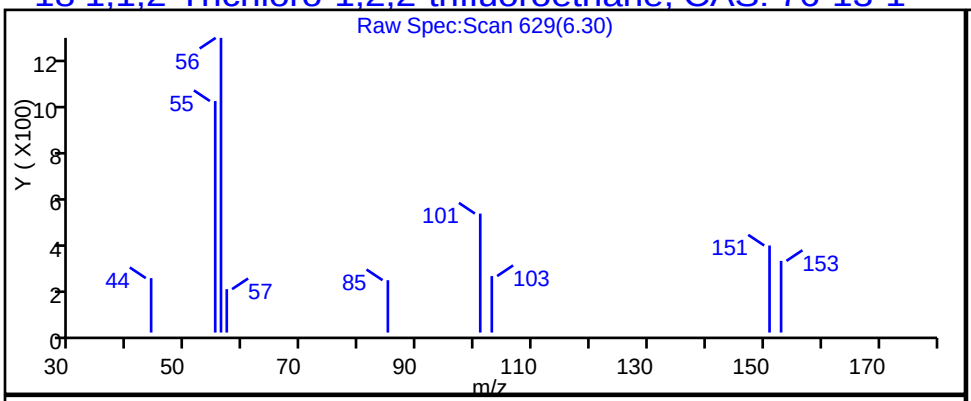
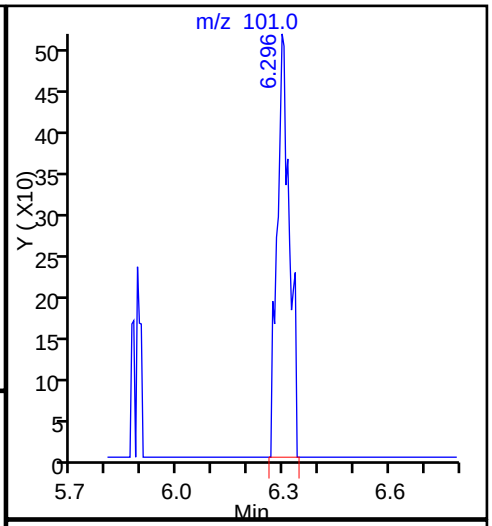
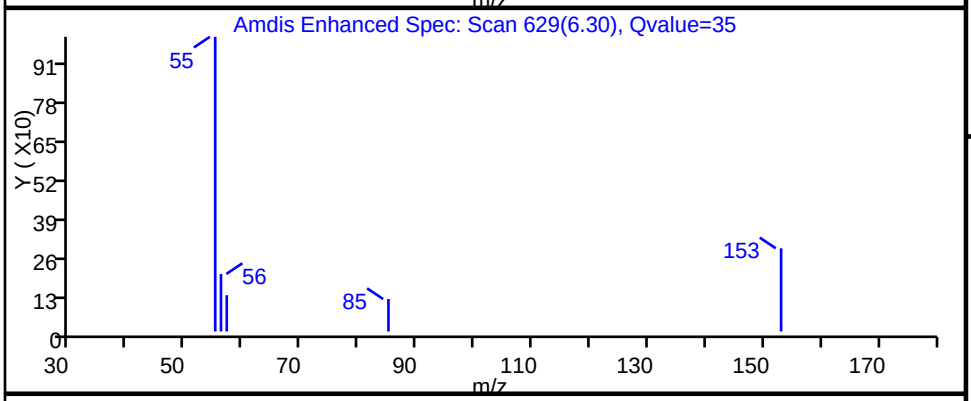
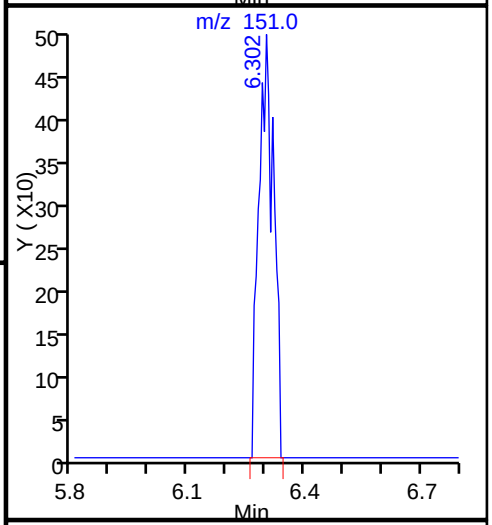
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

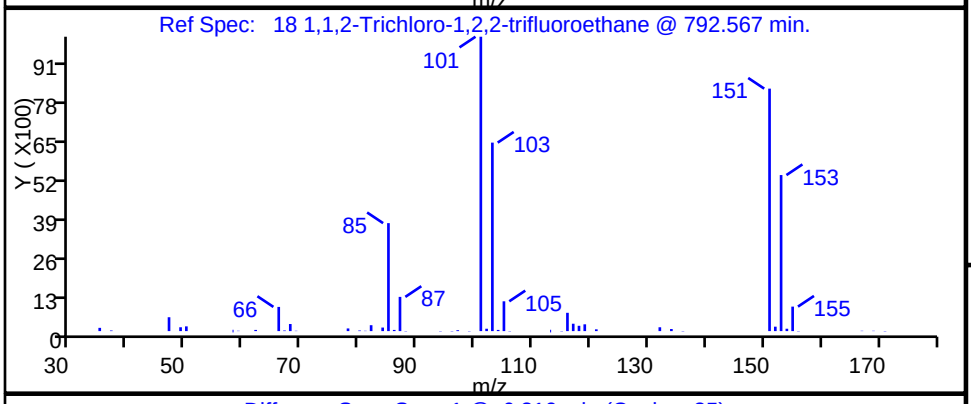
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

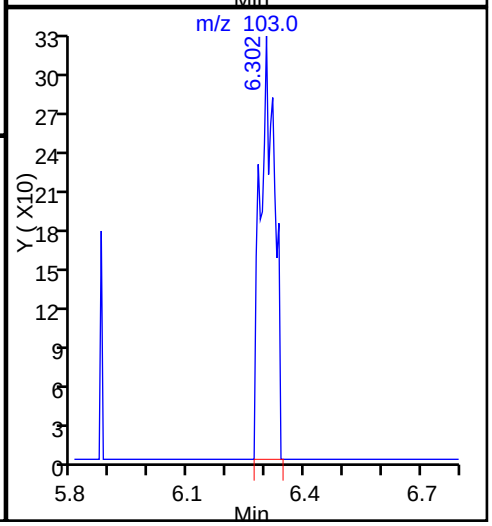


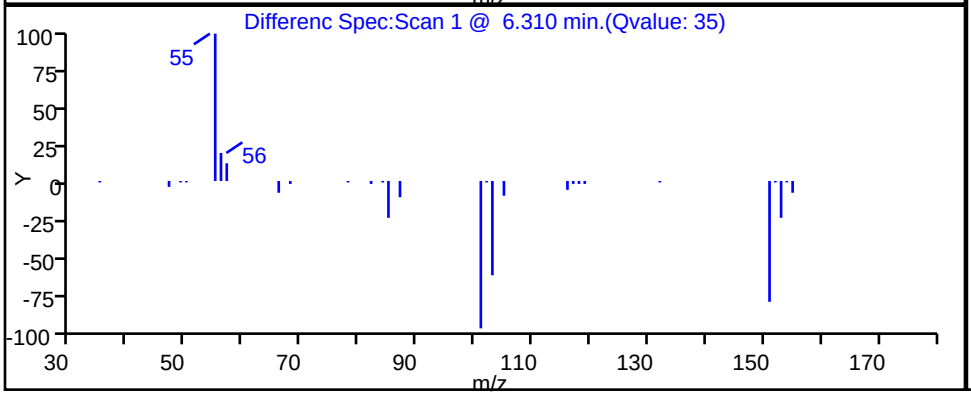












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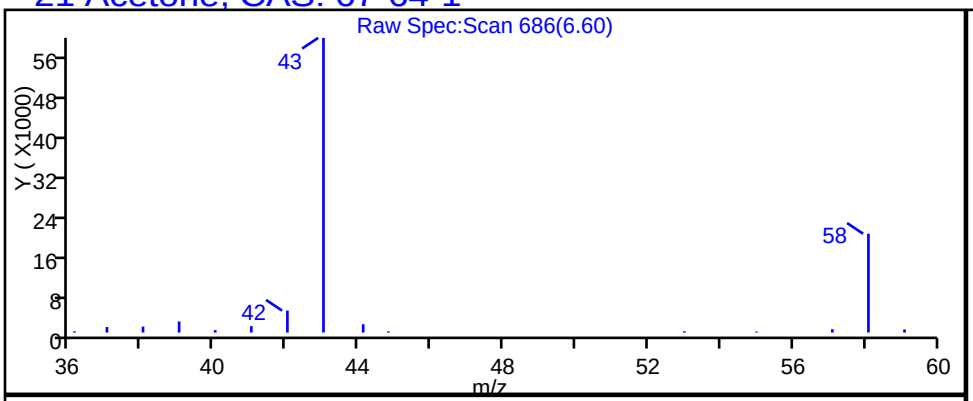
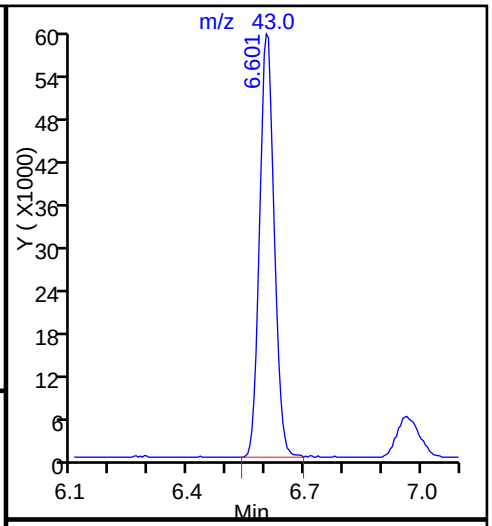
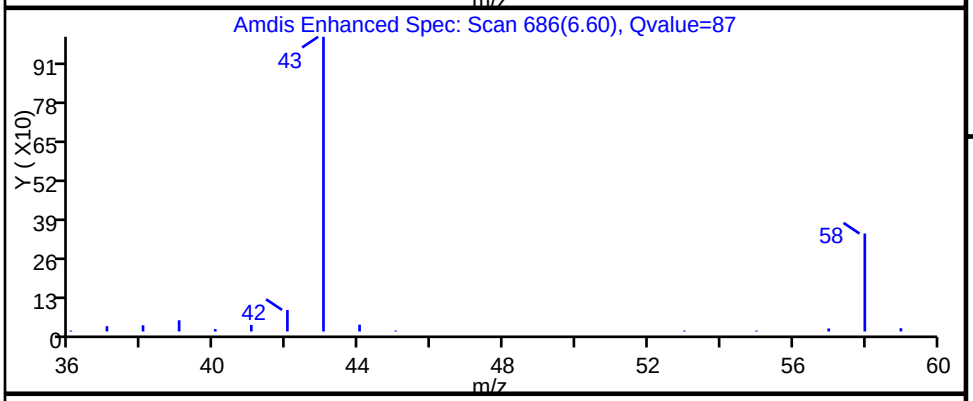
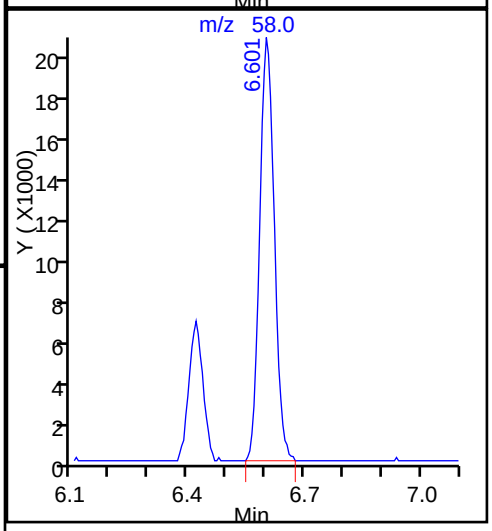
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

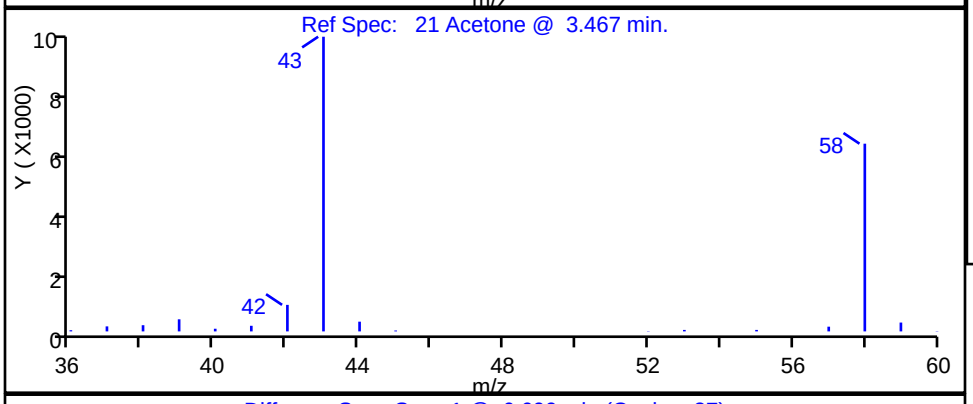
21 Acetone, CAS: 67-64-1

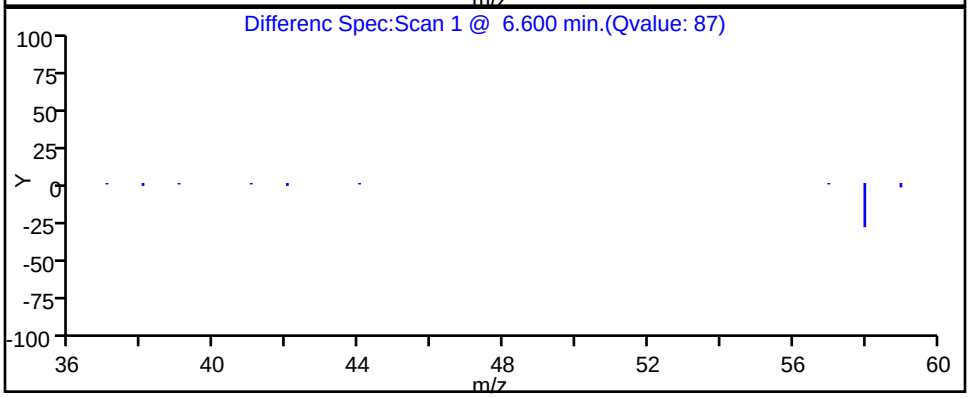








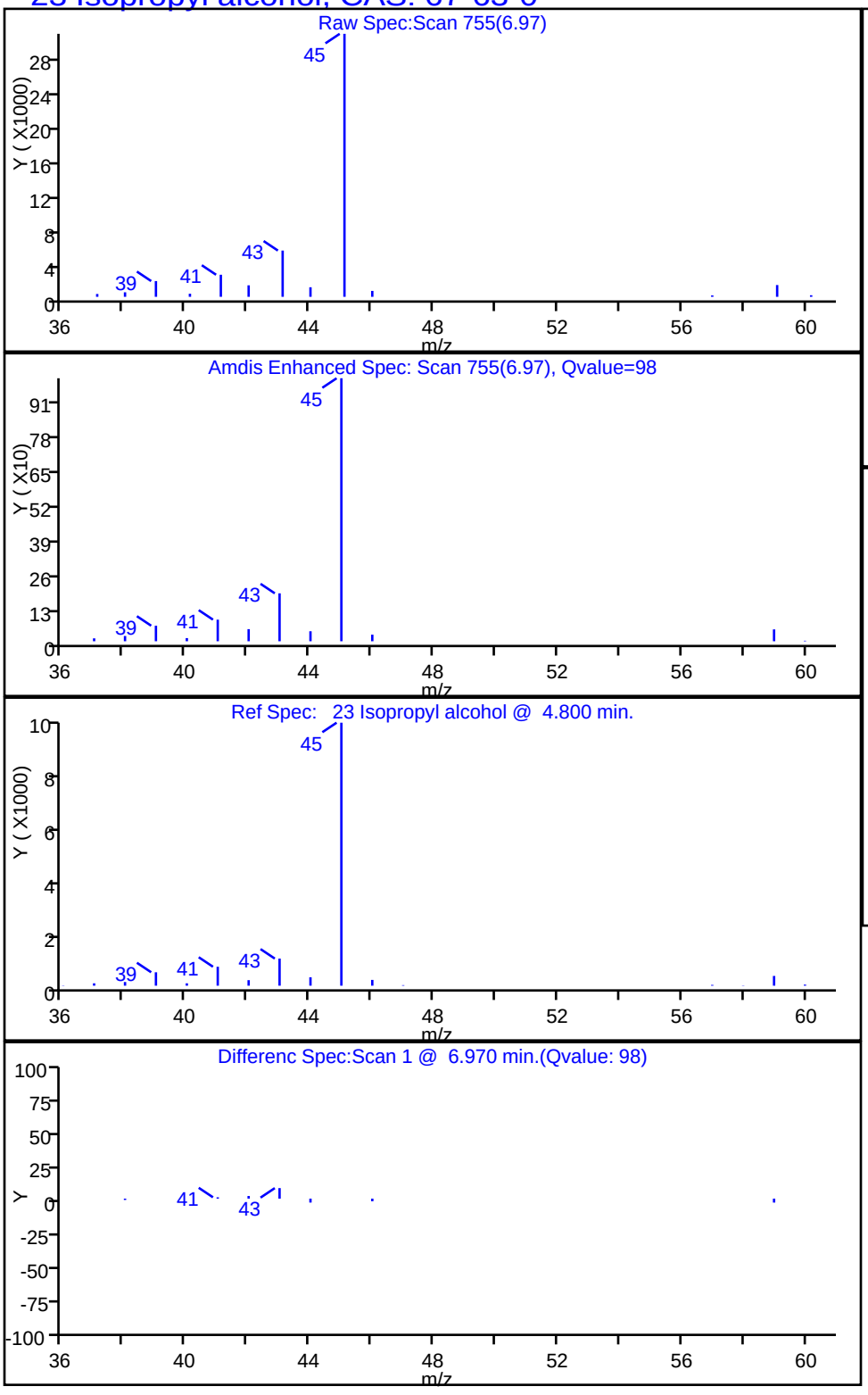


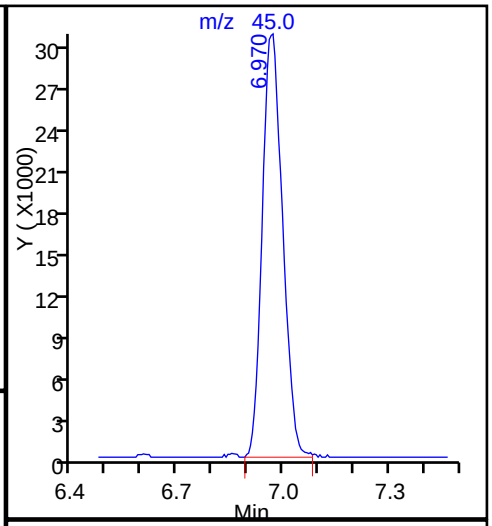


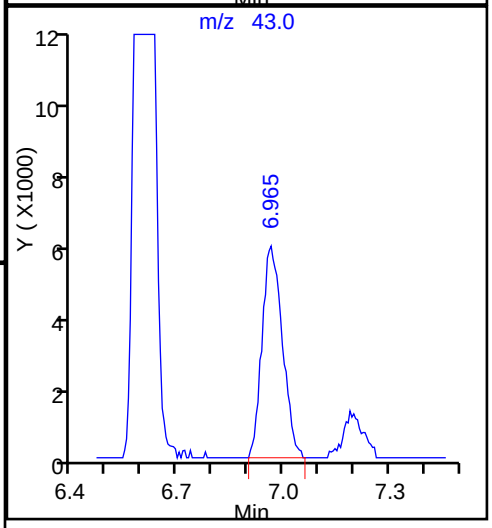
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Isopropyl alcohol, CAS: 67-63-0



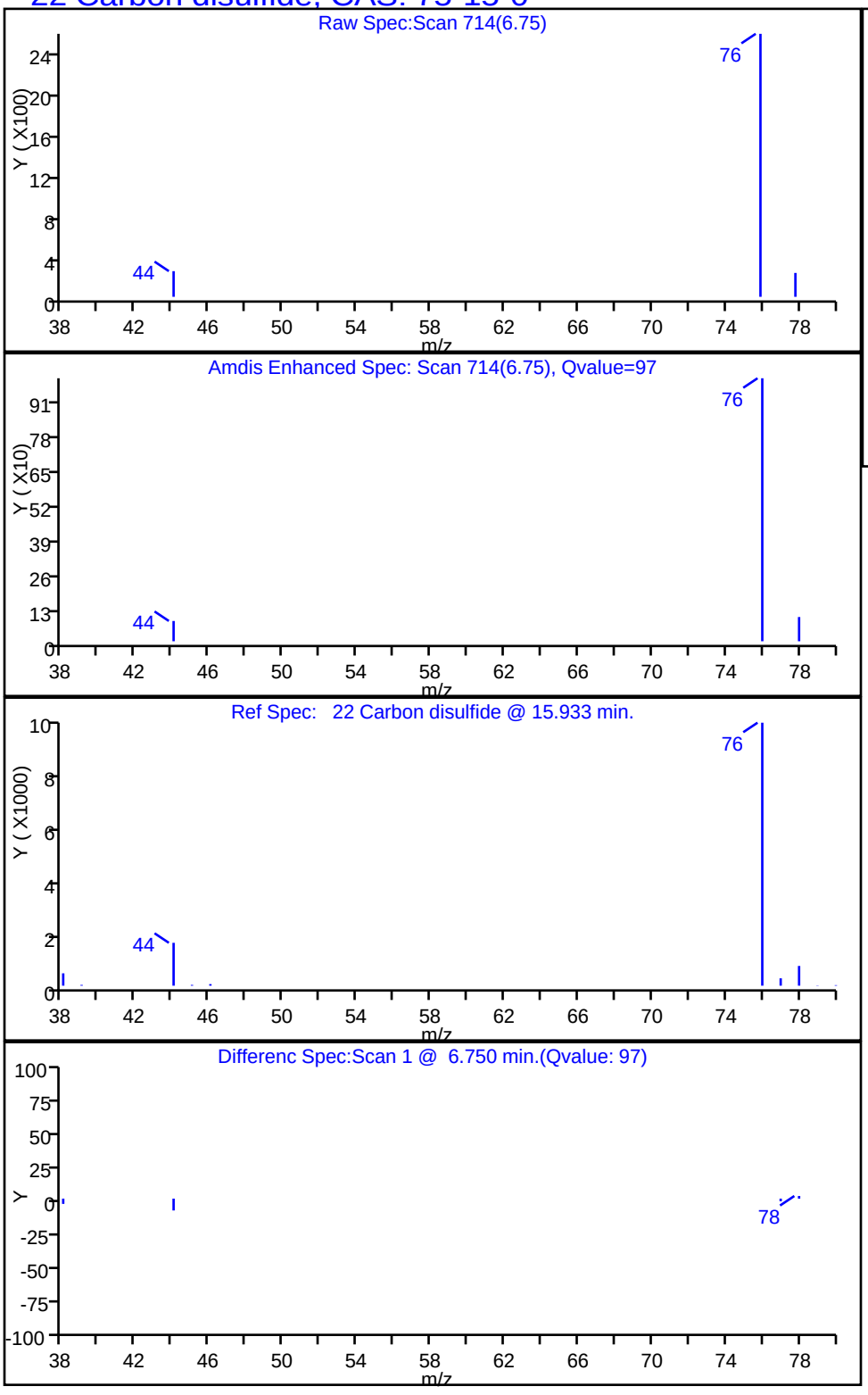


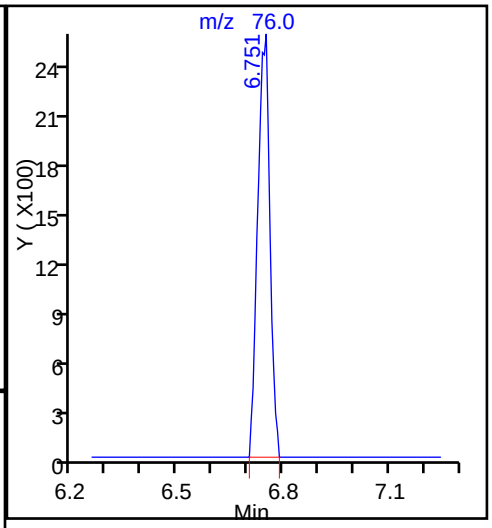


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

22 Carbon disulfide, CAS: 75-15-0

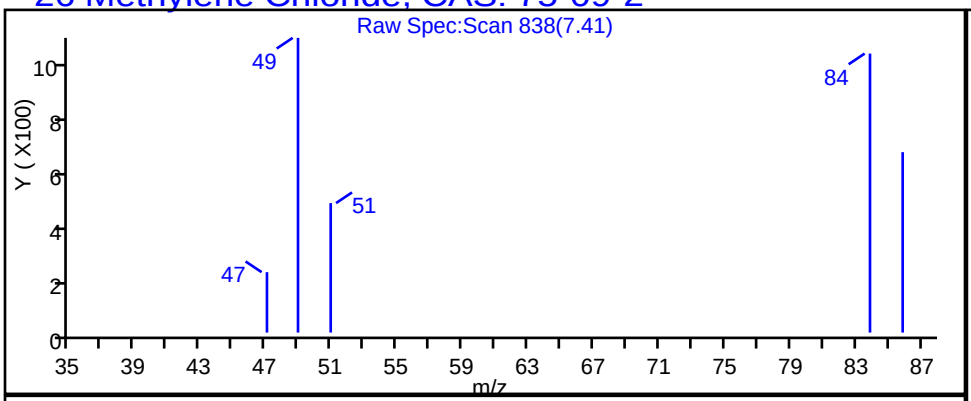


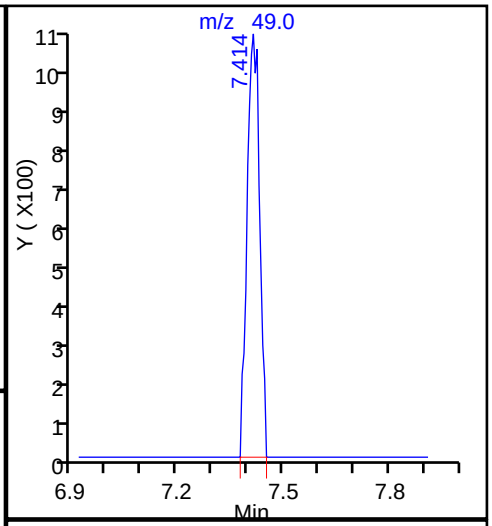


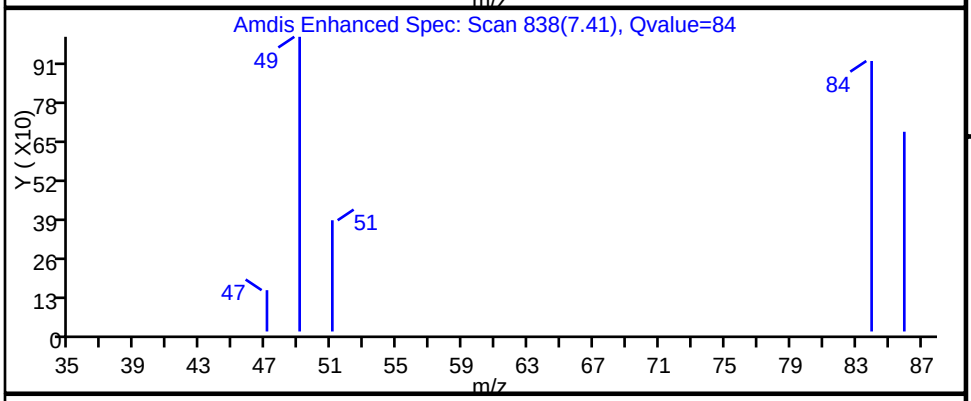
TestAmerica Burlington

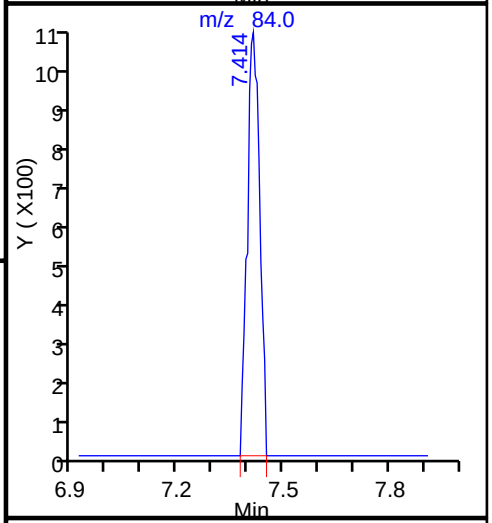
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

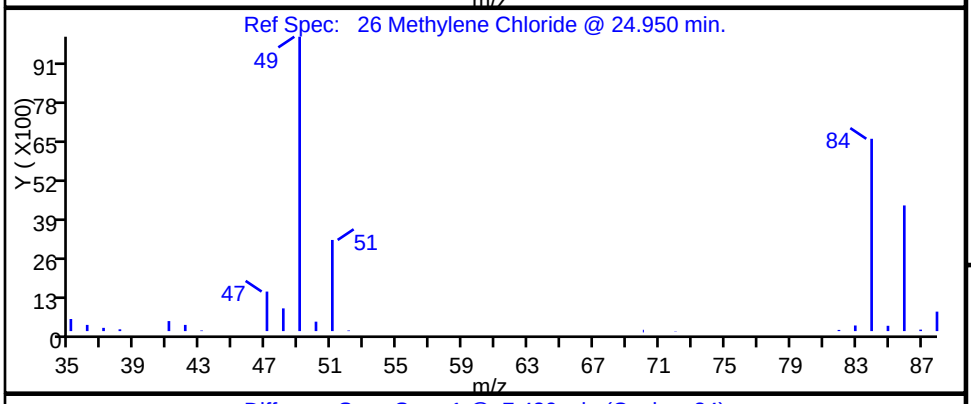
26 Methylene Chloride, CAS: 75-09-2

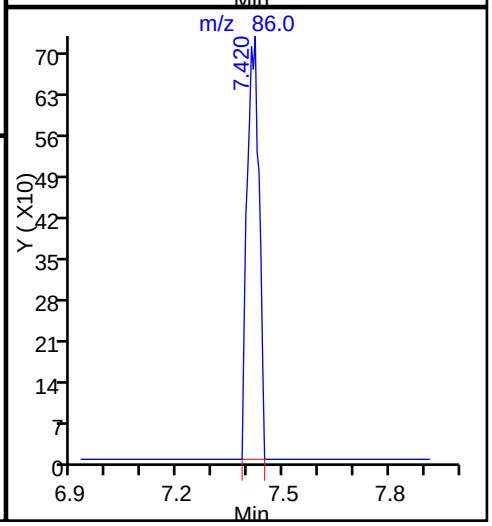


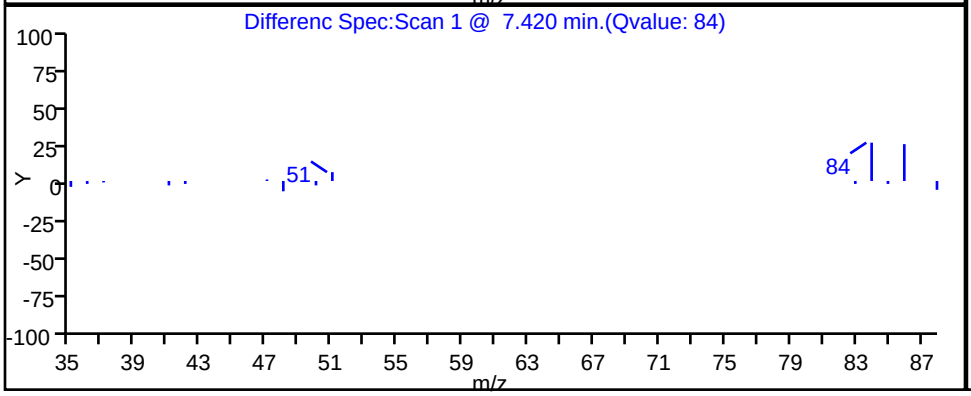








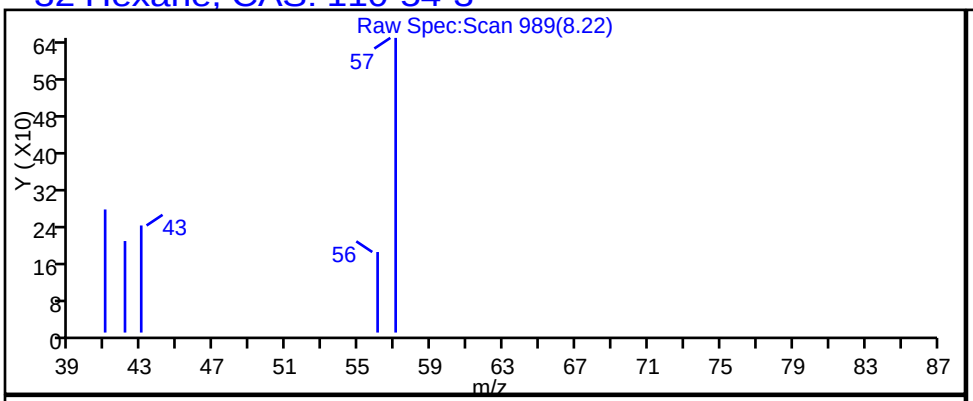


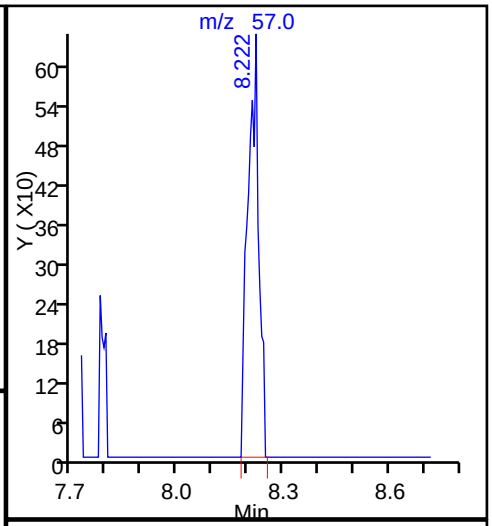


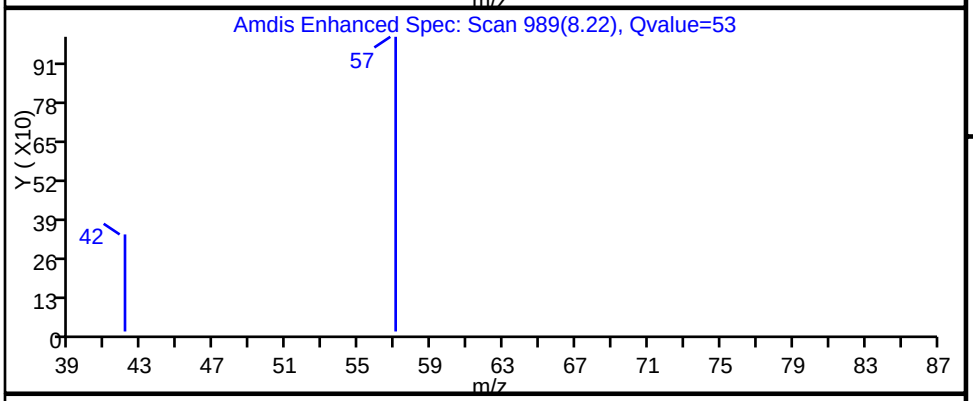
TestAmerica Burlington

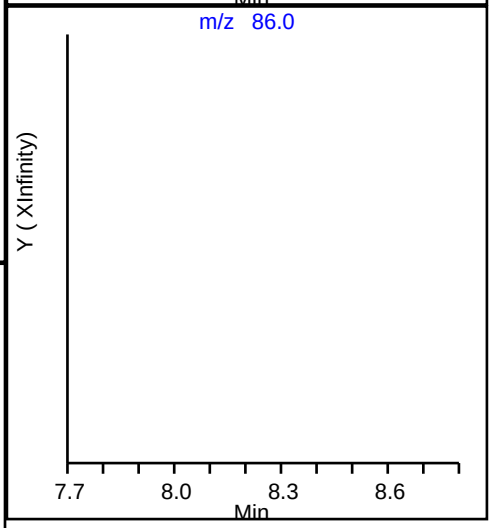
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

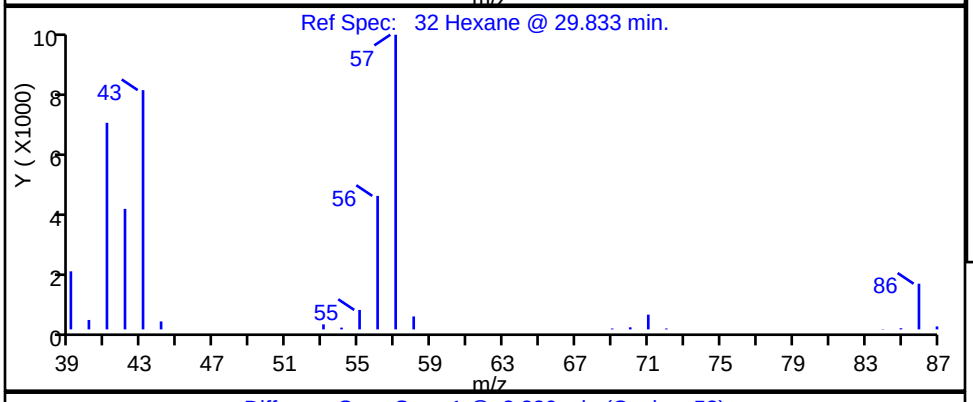
32 Hexane, CAS: 110-54-3

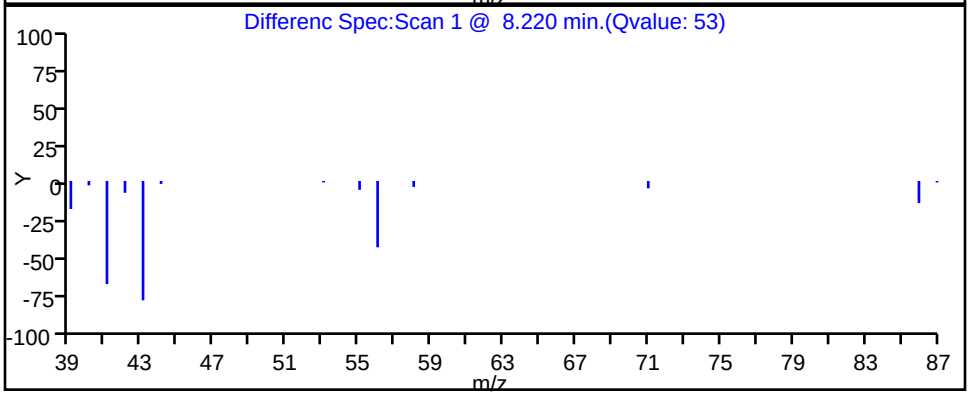








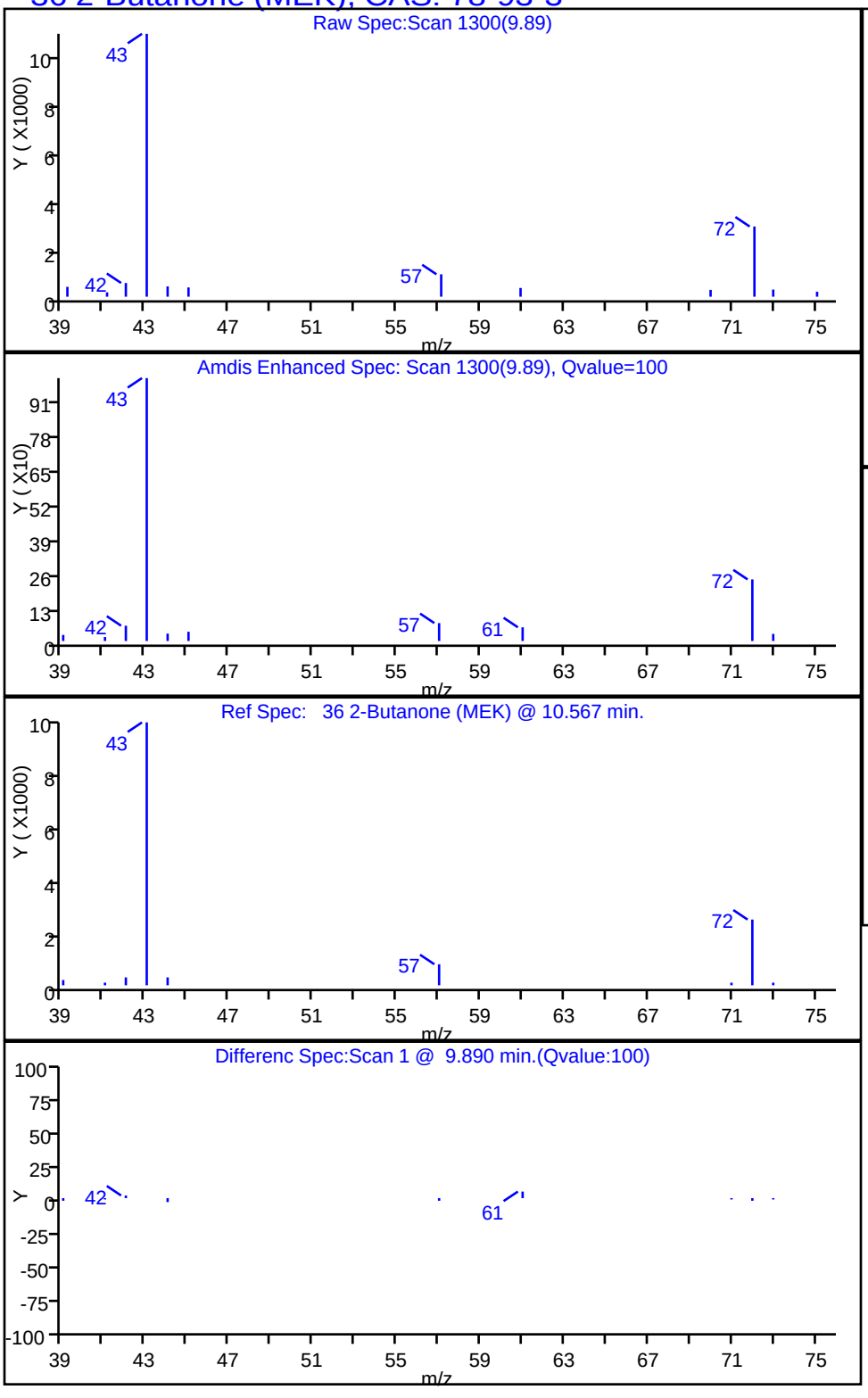


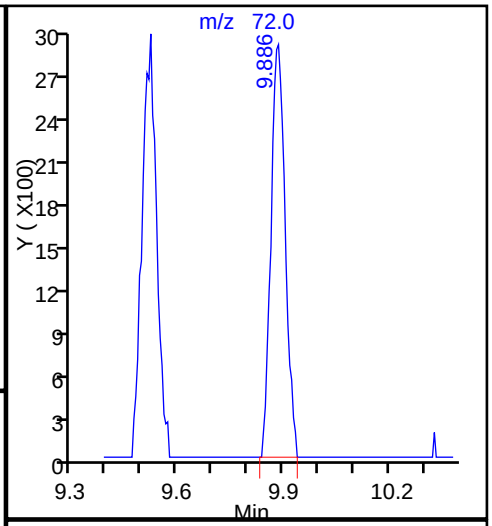


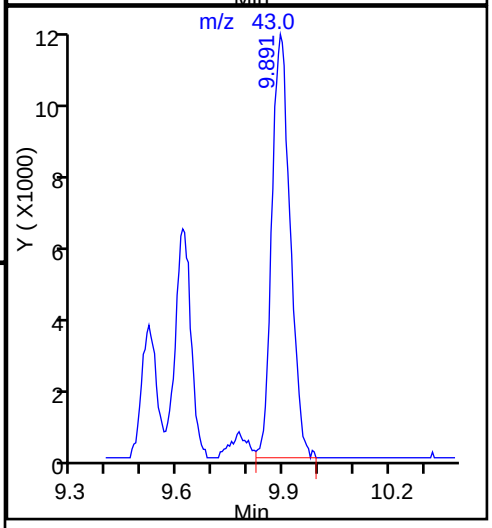
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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



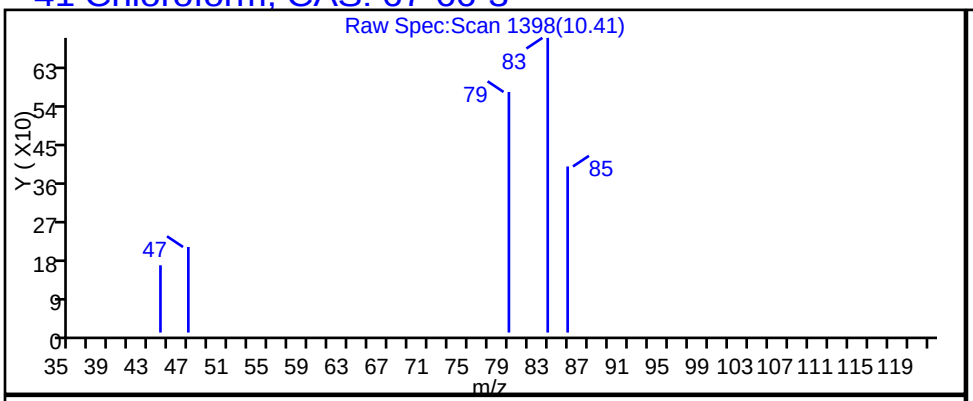


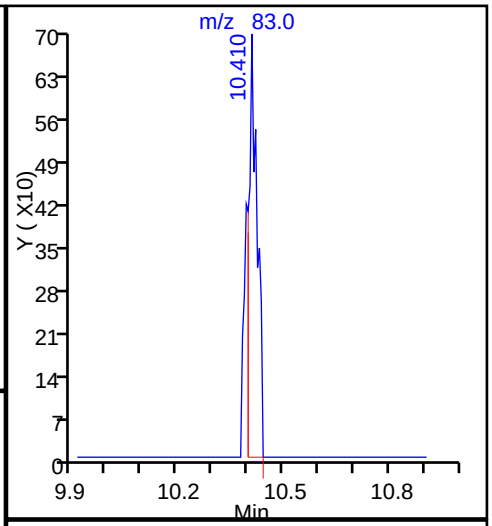


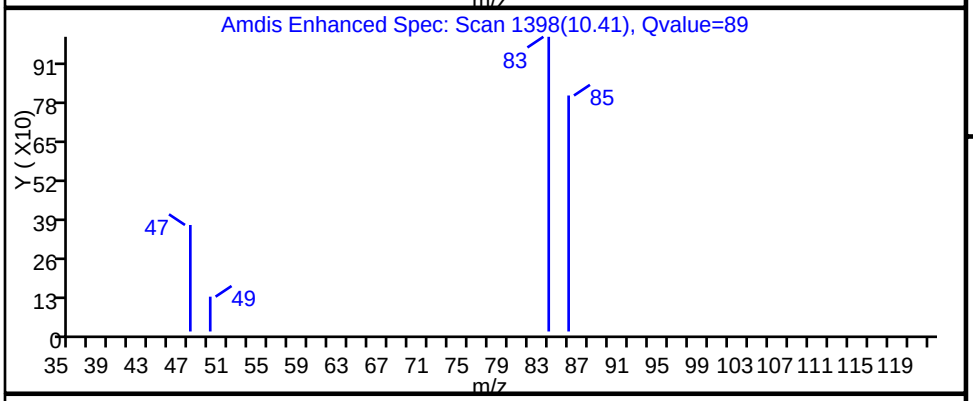
TestAmerica Burlington

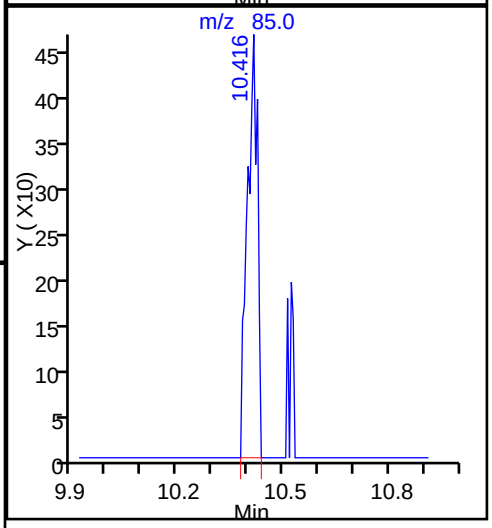
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

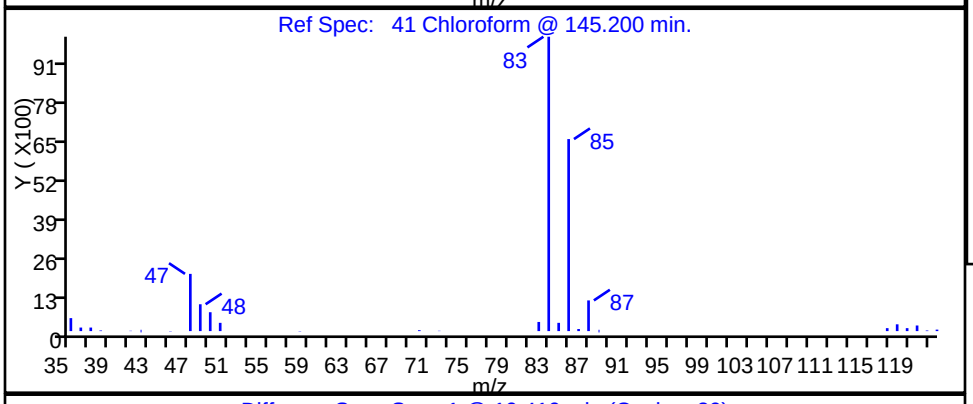
41 Chloroform, CAS: 67-66-3

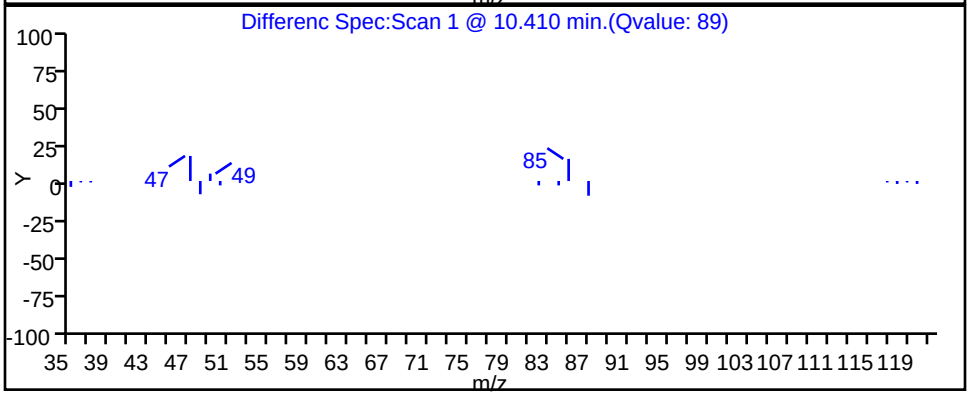








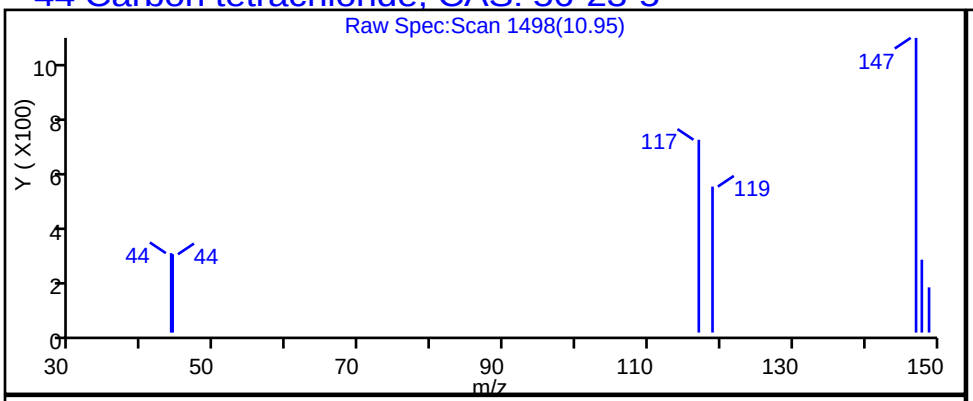


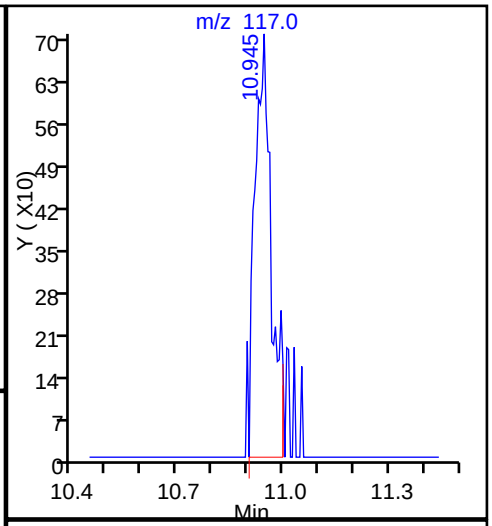


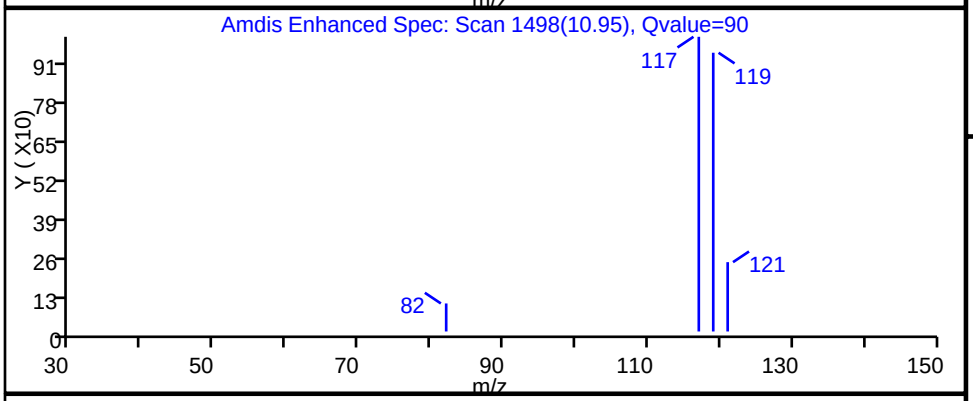
TestAmerica Burlington

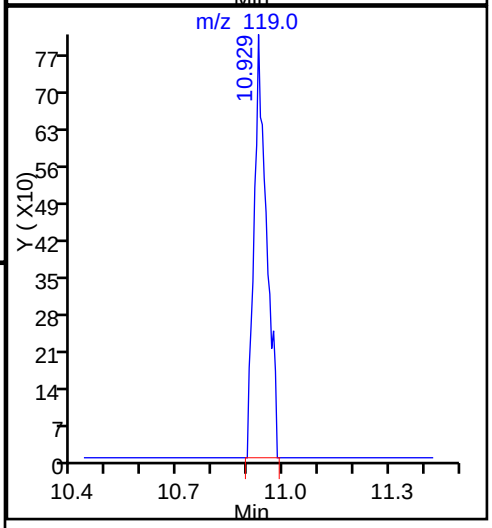
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

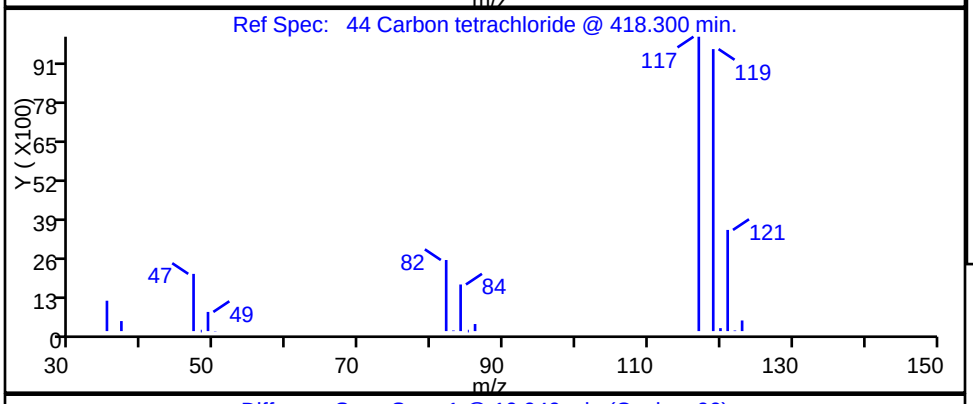
44 Carbon tetrachloride, CAS: 56-23-5

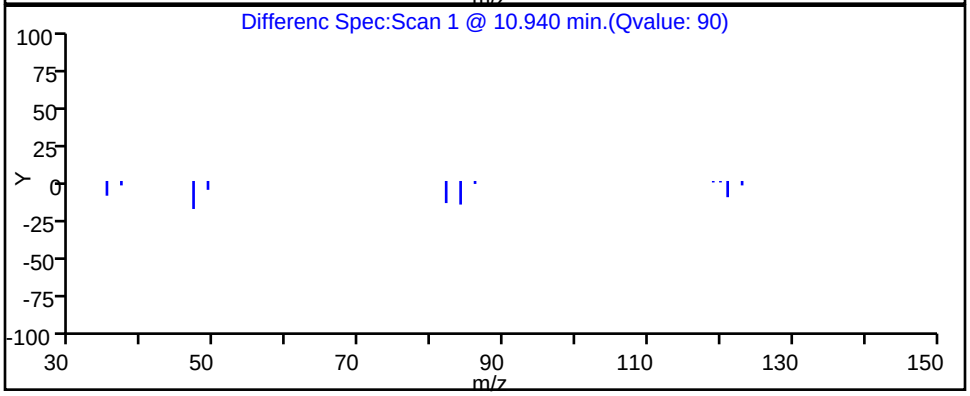








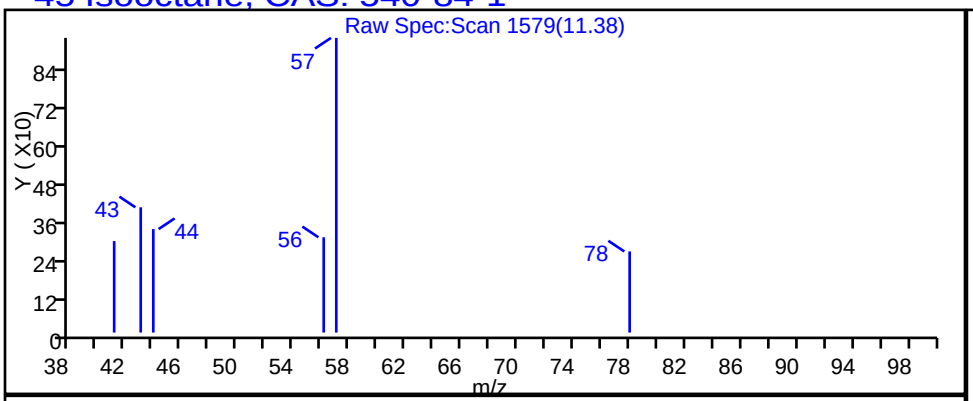


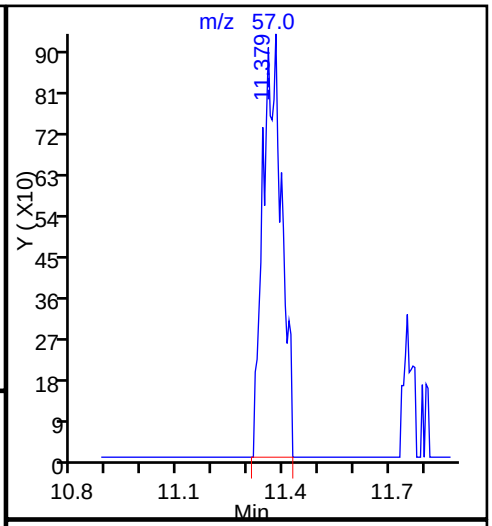


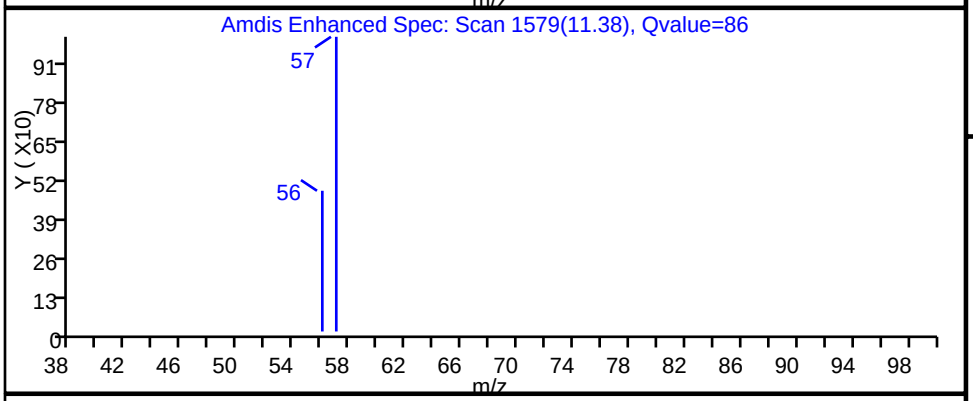
TestAmerica Burlington

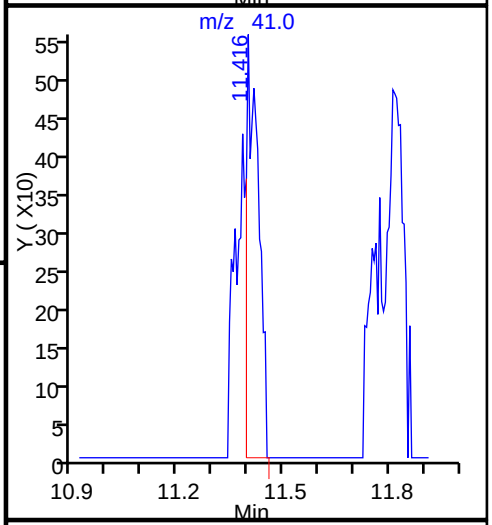
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

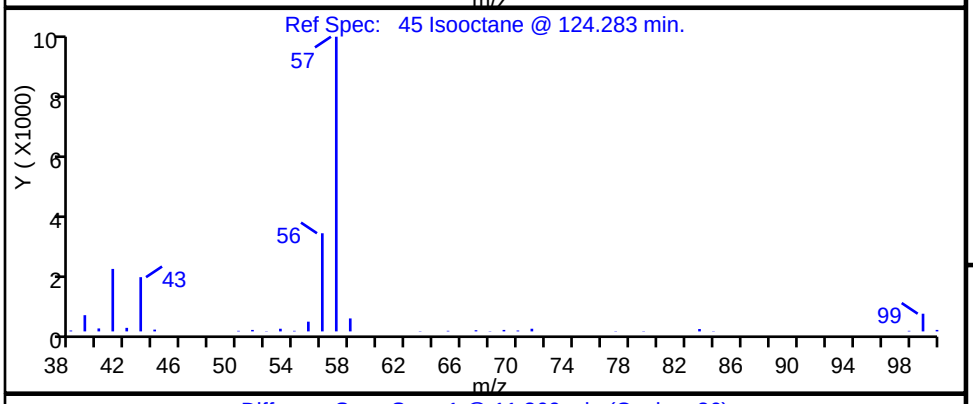
45 Isooctane, CAS: 540-84-1

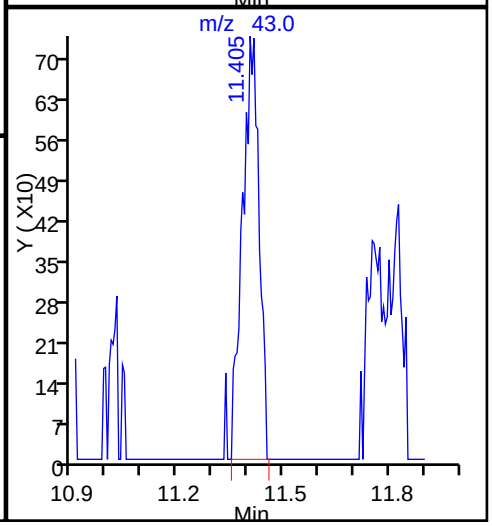


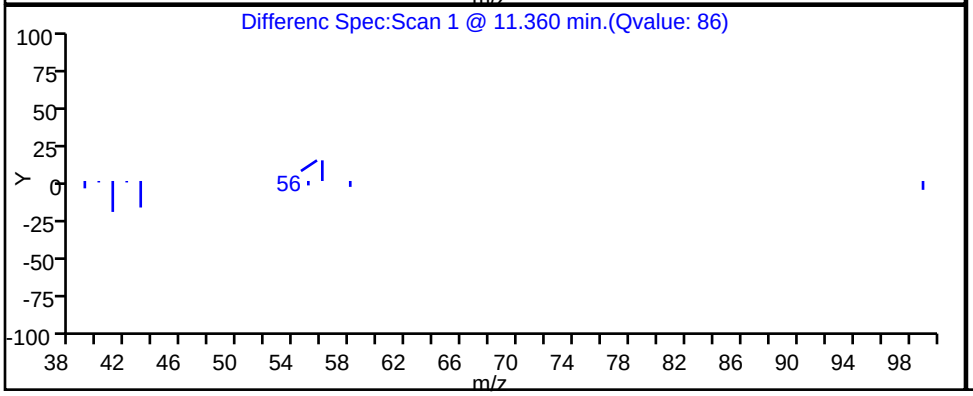








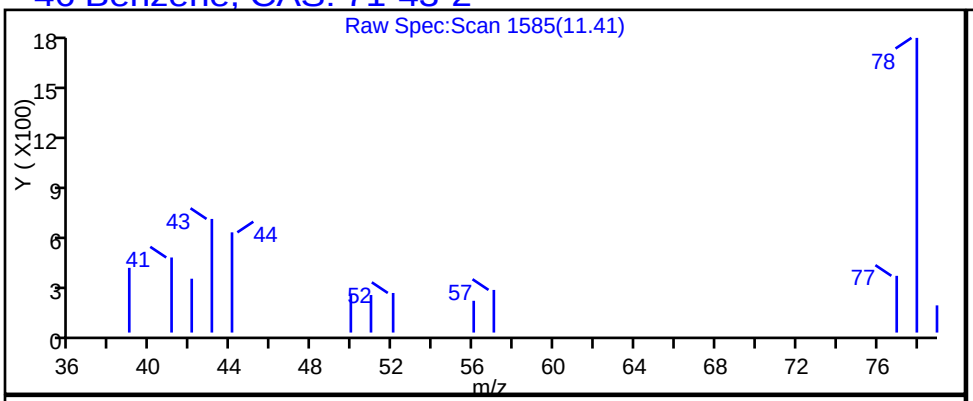


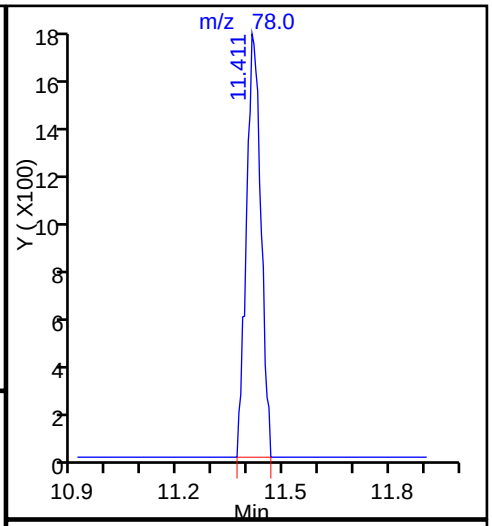


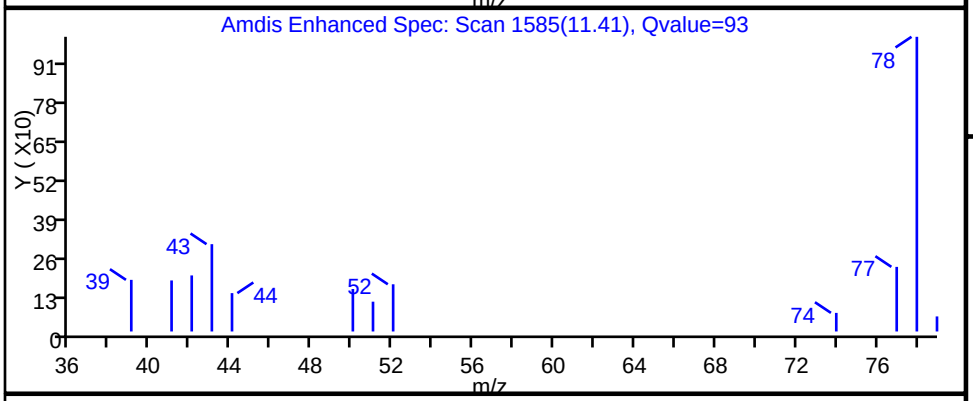
TestAmerica Burlington

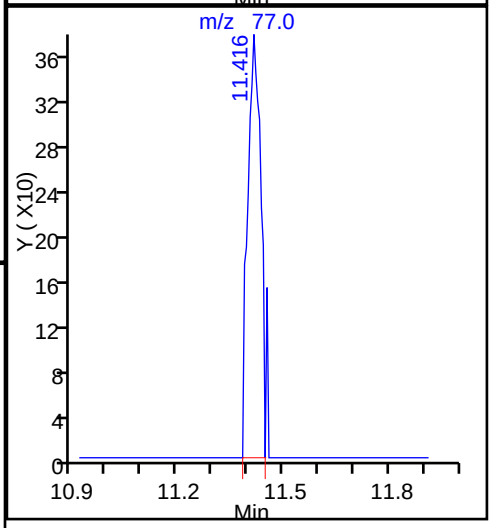
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

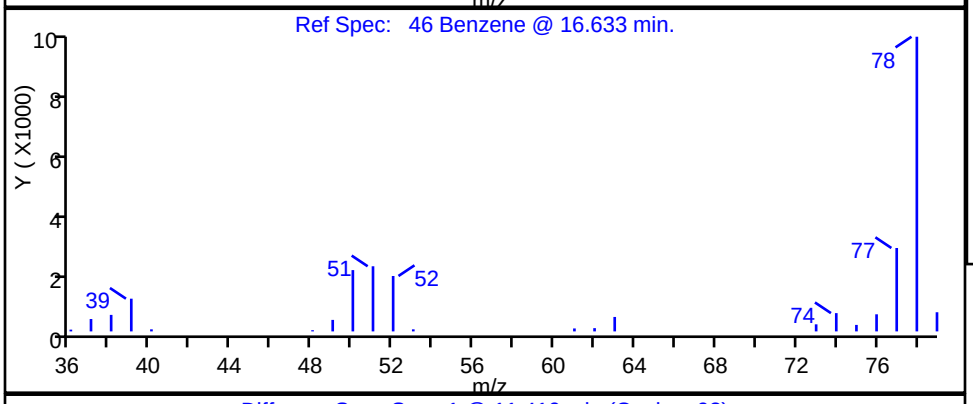
46 Benzene, CAS: 71-43-2

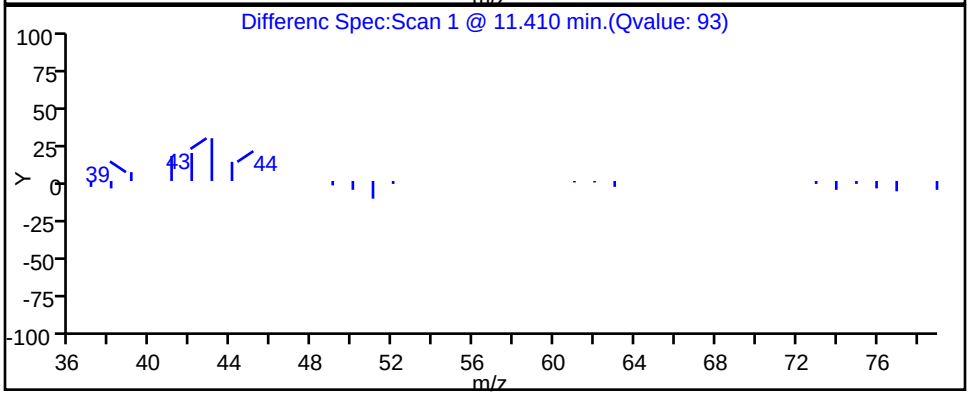








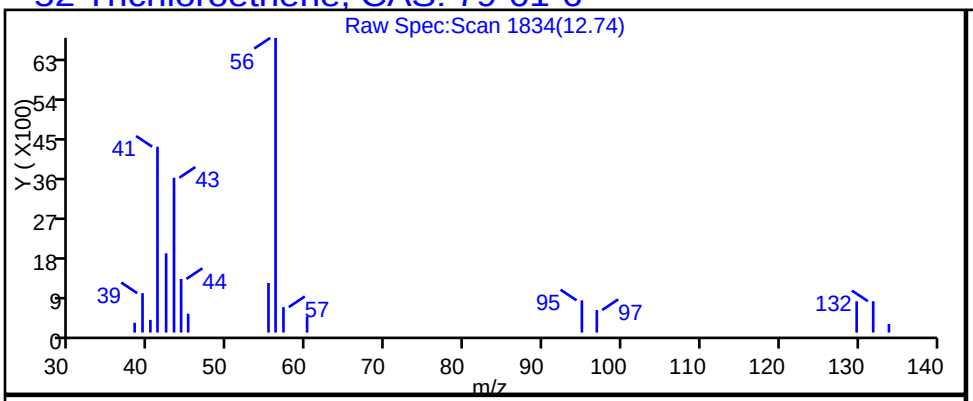


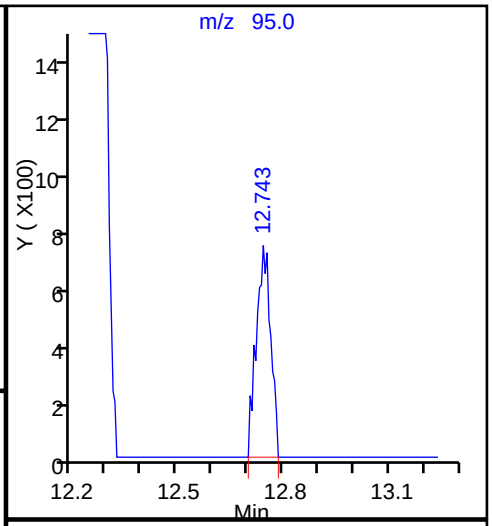


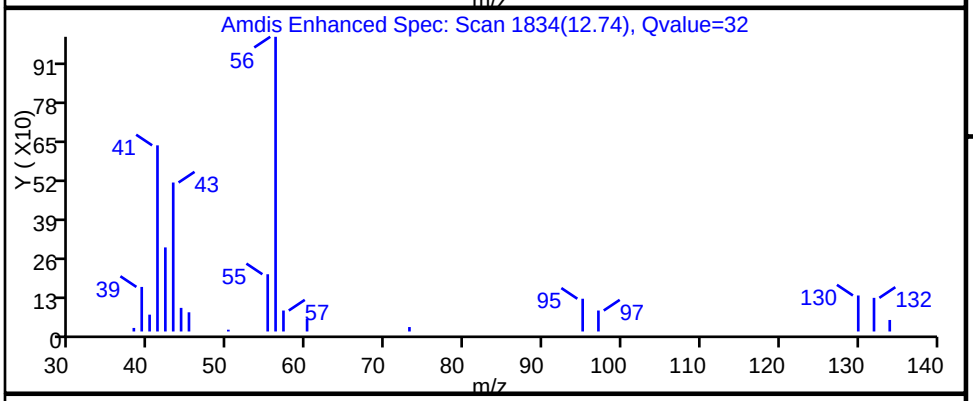
TestAmerica Burlington

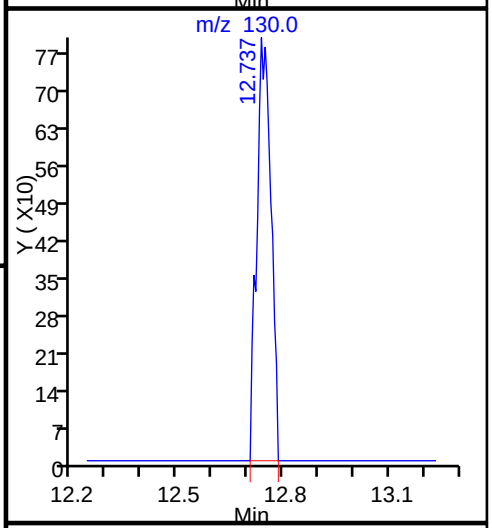
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

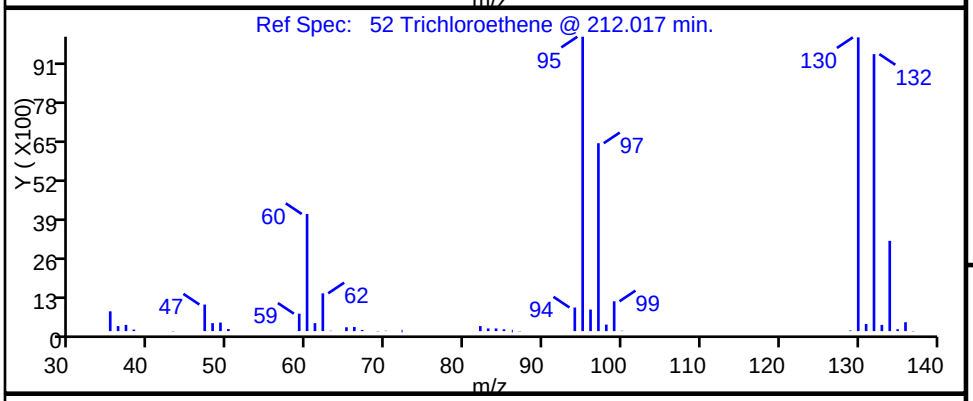
52 Trichloroethene, CAS: 79-01-6

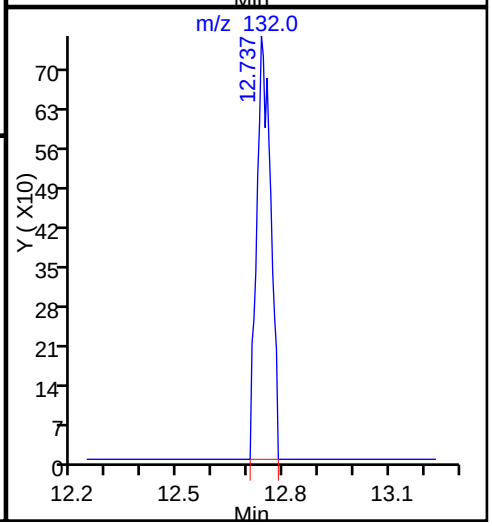


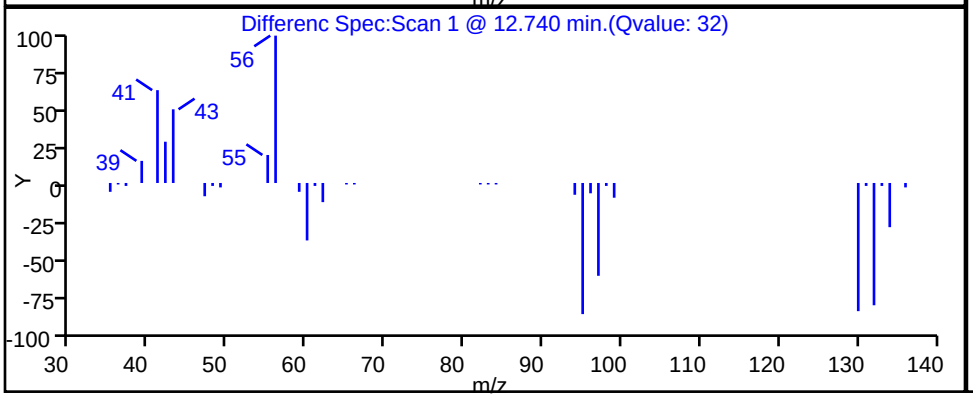






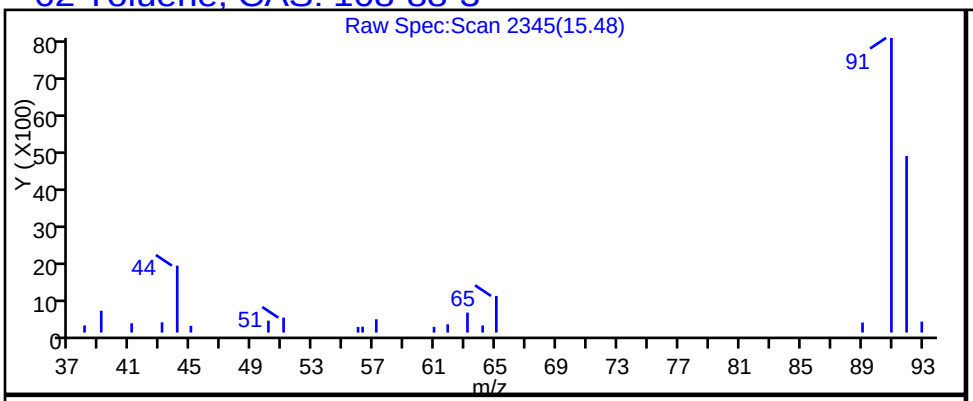


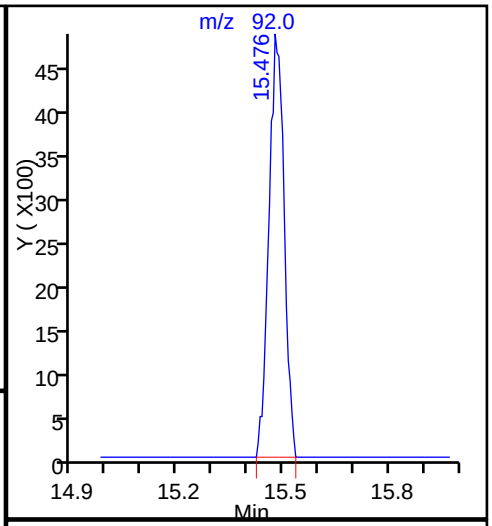


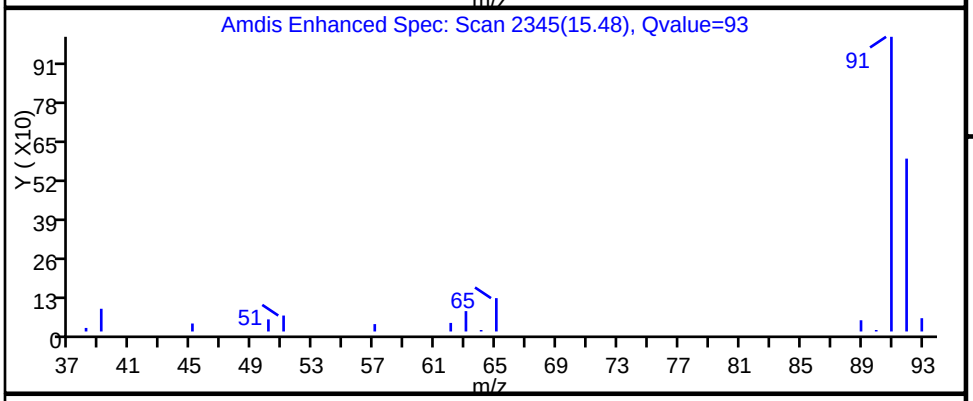


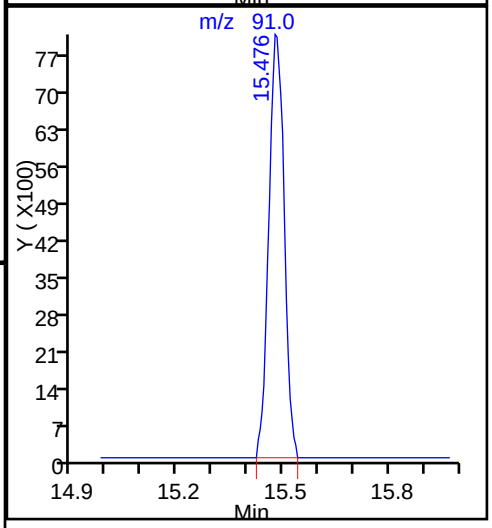
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

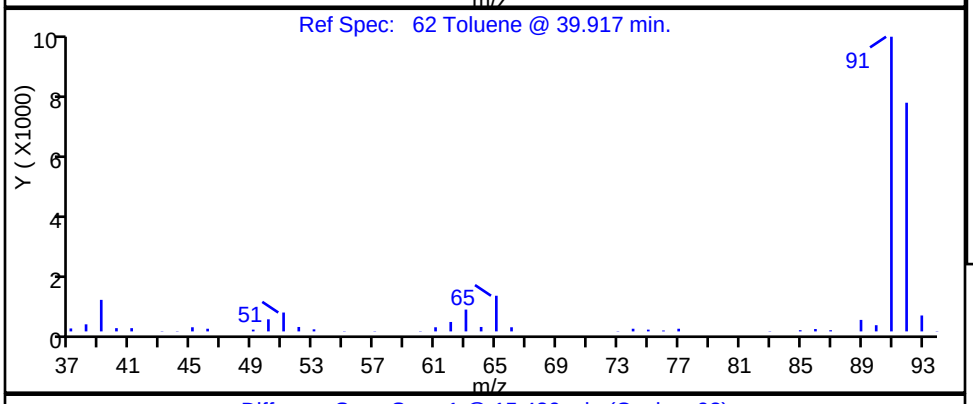
62 Toluene, CAS: 108-88-3

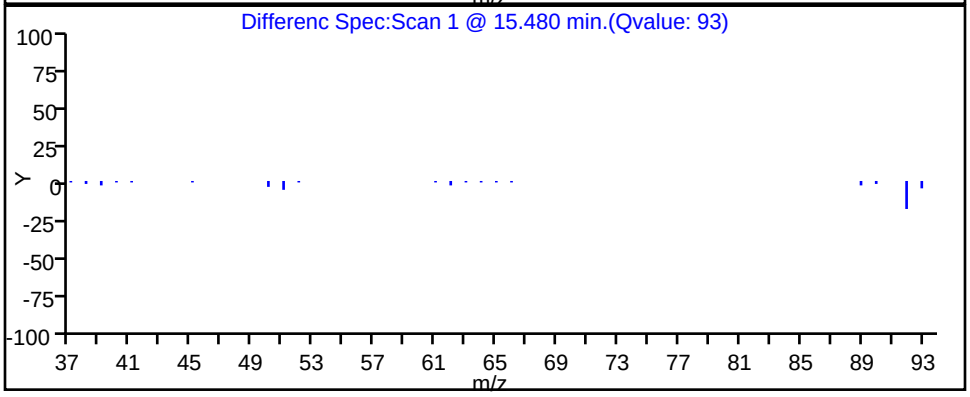








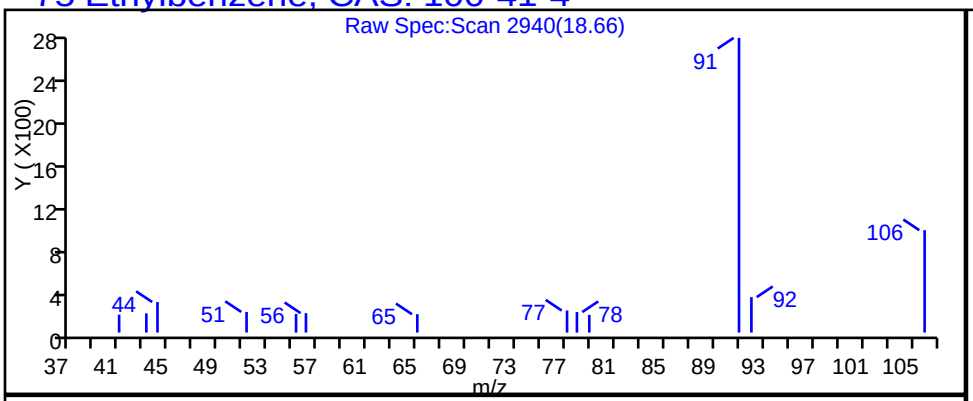


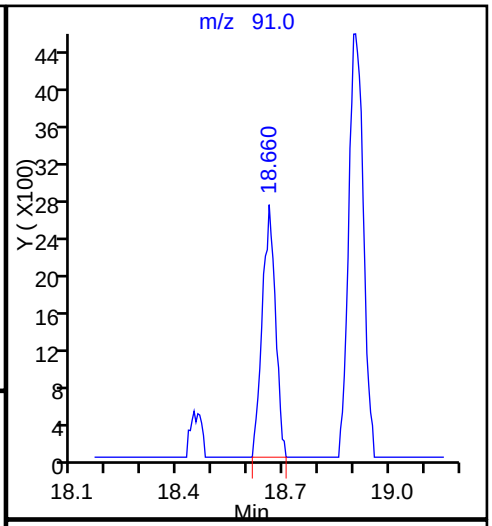


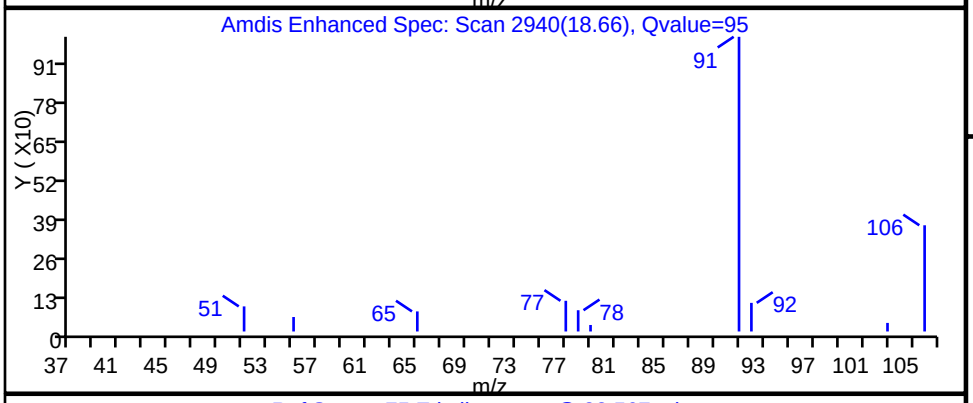
TestAmerica Burlington

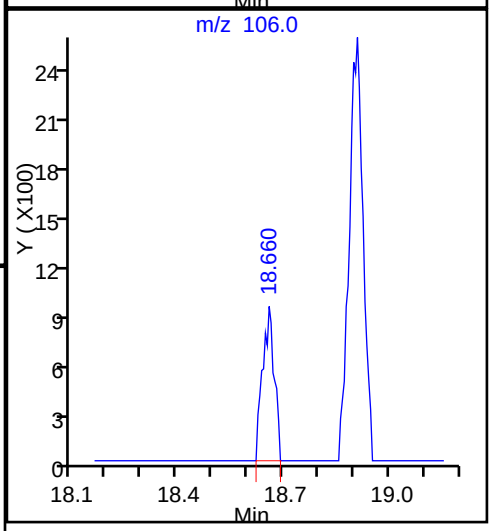
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

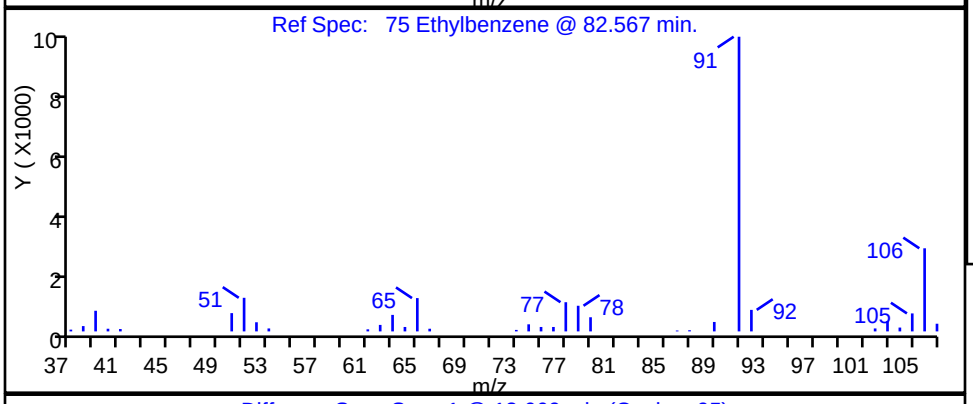
75 Ethylbenzene, CAS: 100-41-4

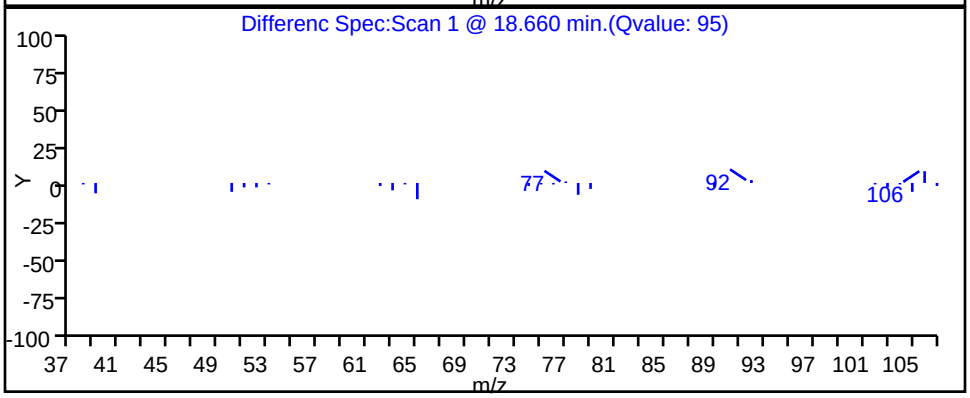








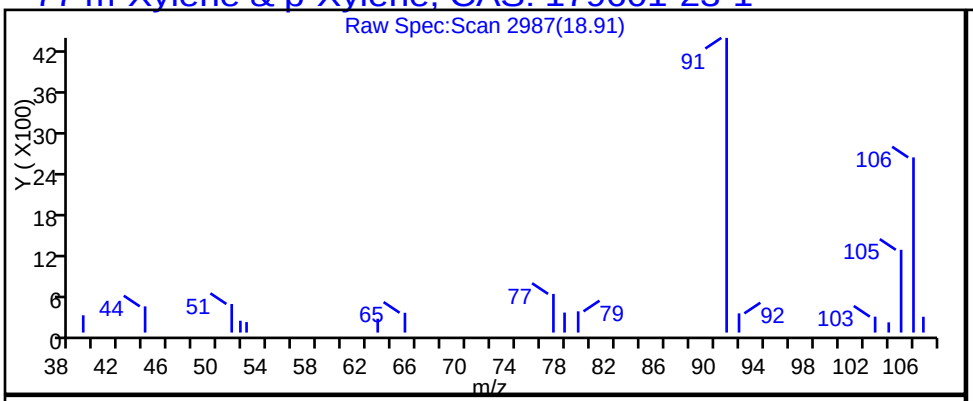


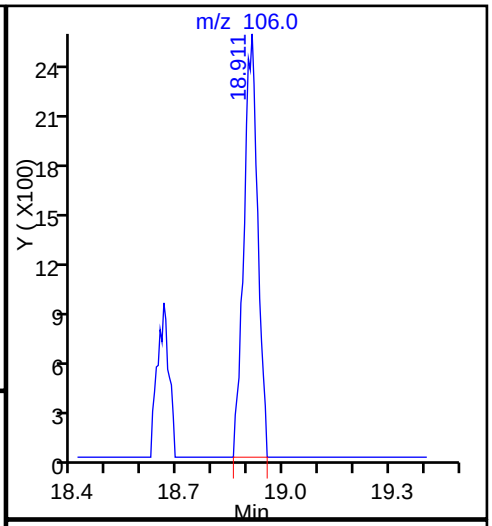


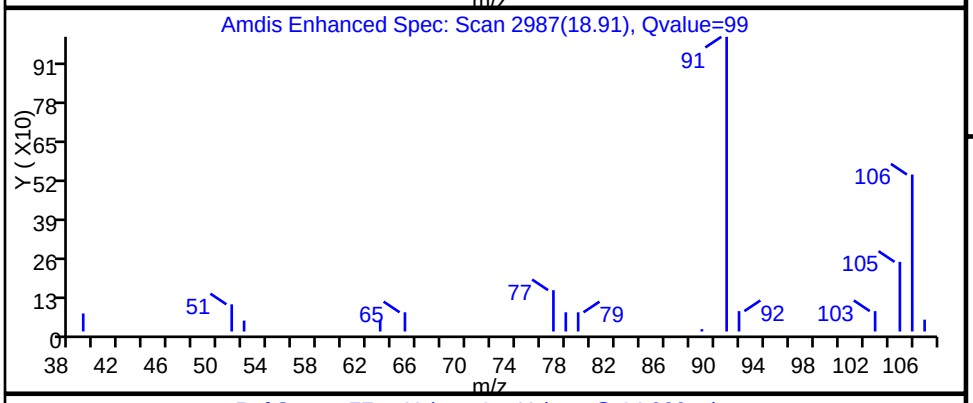
TestAmerica Burlington

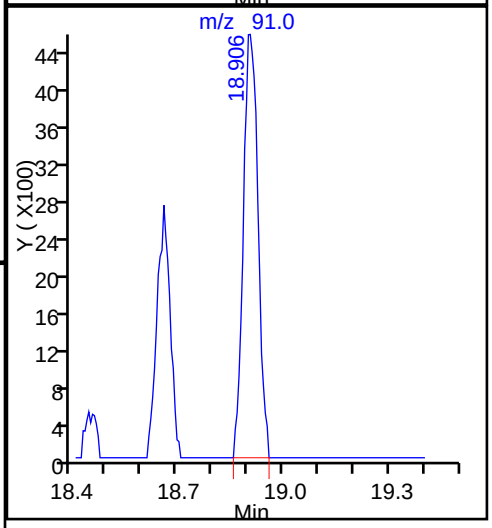
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

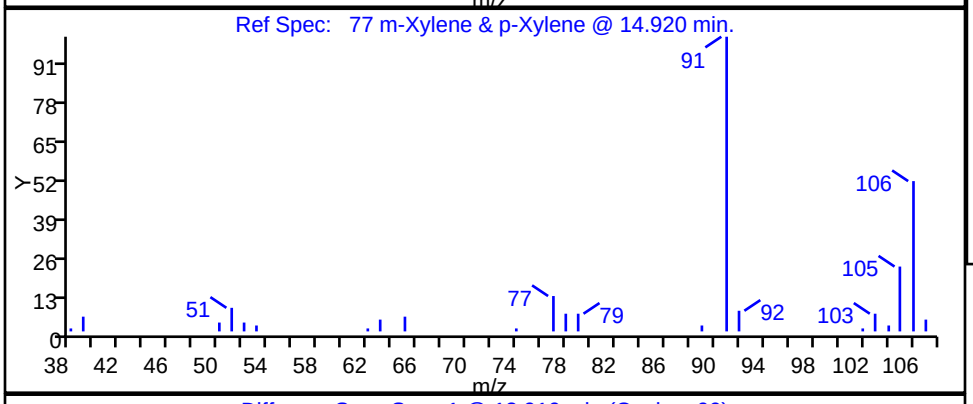
77 m-Xylene & p-Xylene, CAS: 179601-23-1

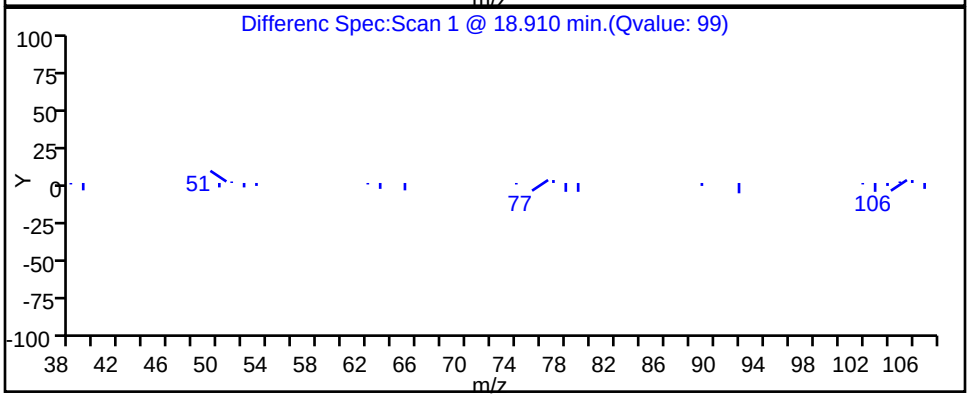








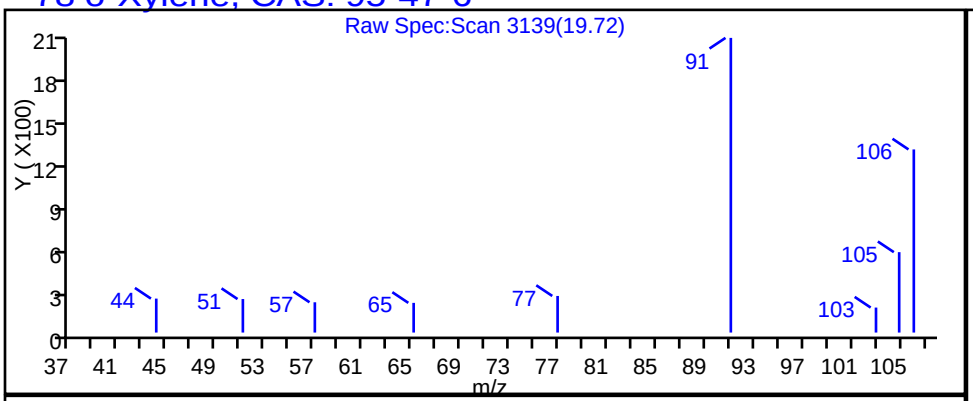


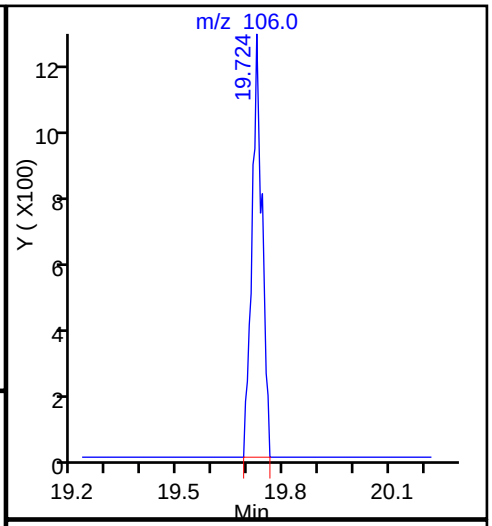


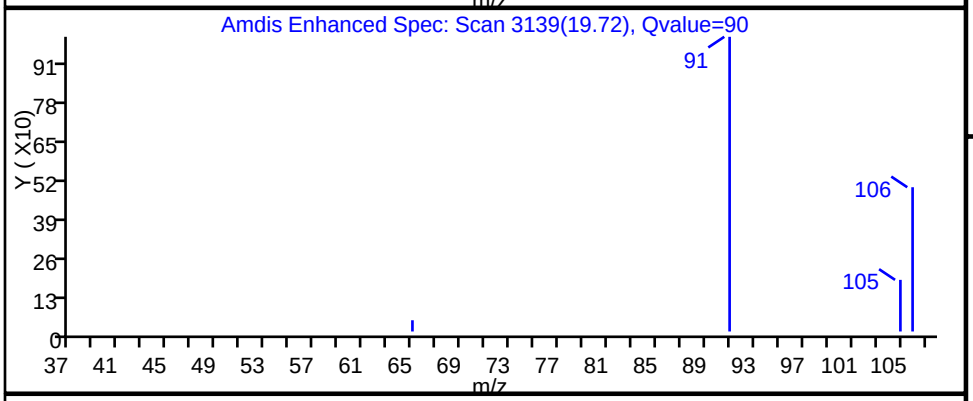
TestAmerica Burlington

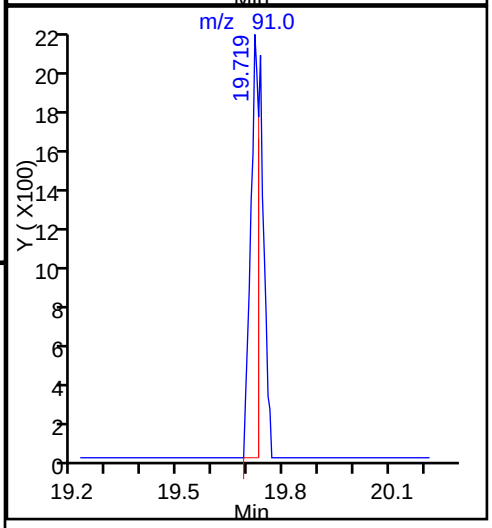
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

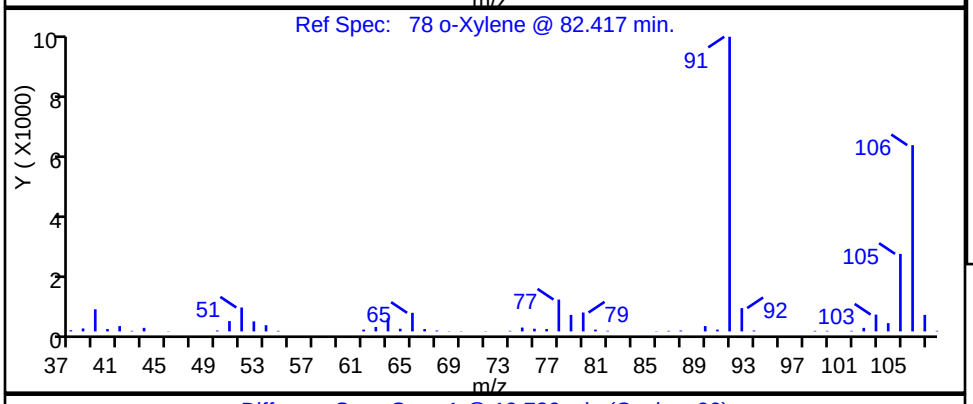
78 o-Xylene, CAS: 95-47-6

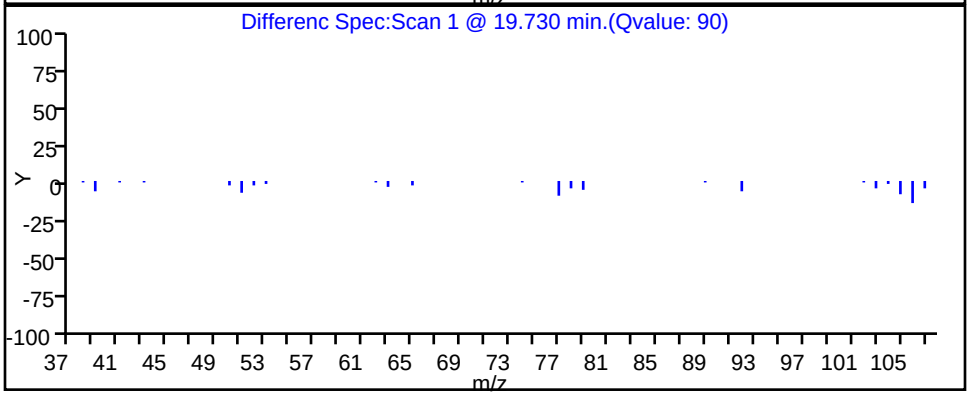








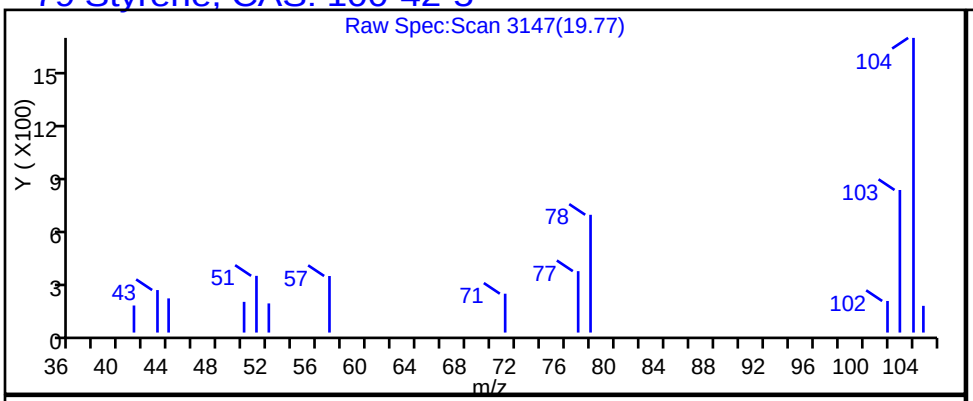


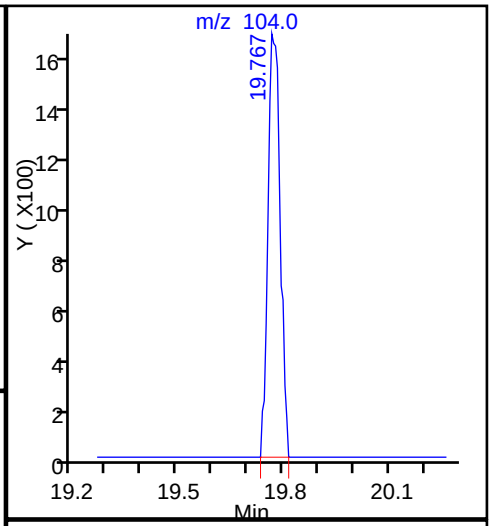


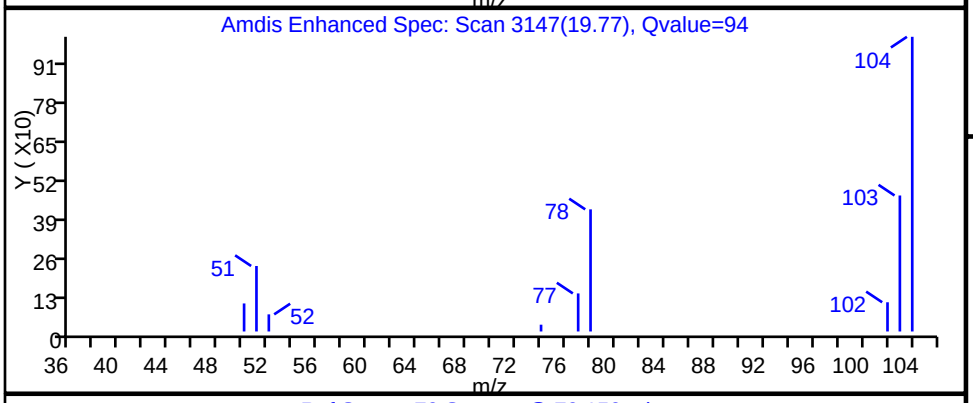
TestAmerica Burlington

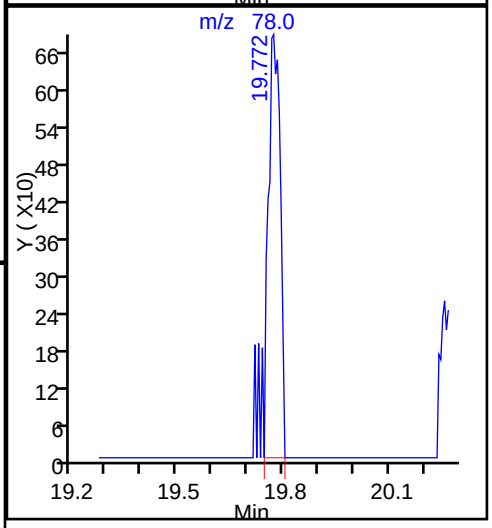
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

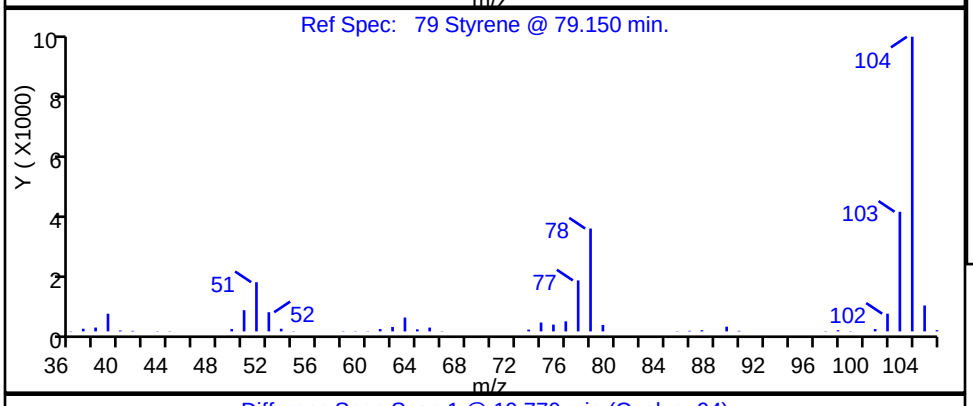
79 Styrene, CAS: 100-42-5

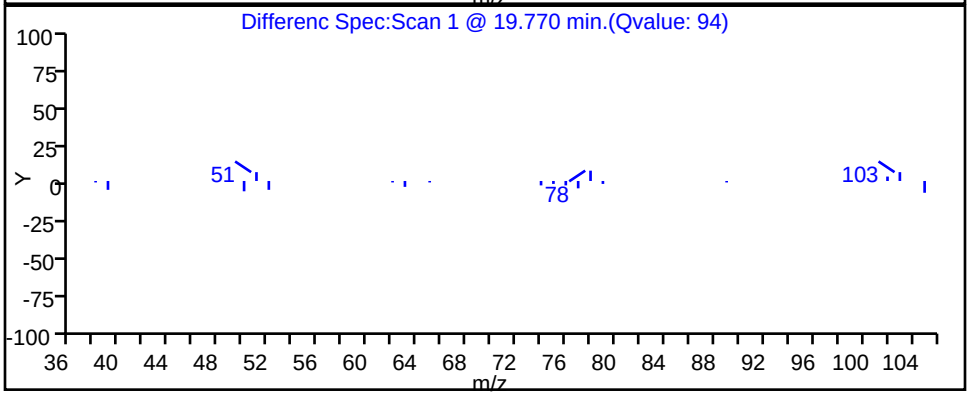








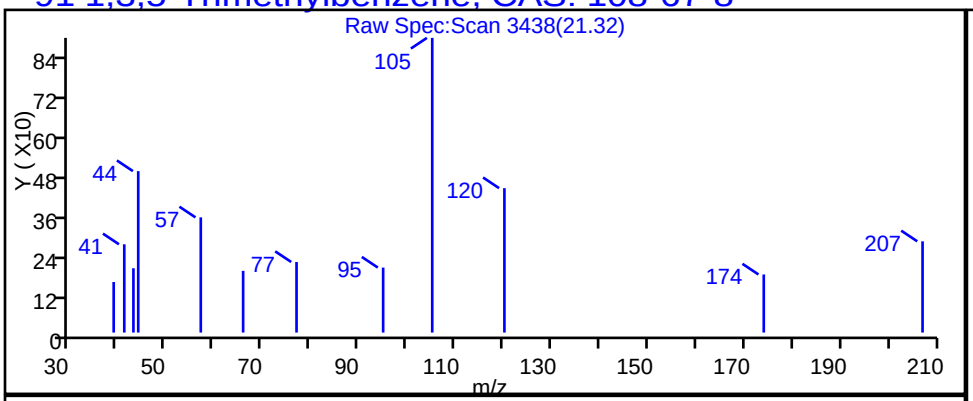


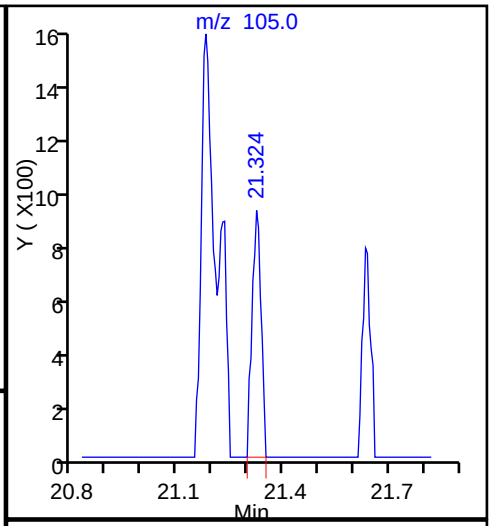


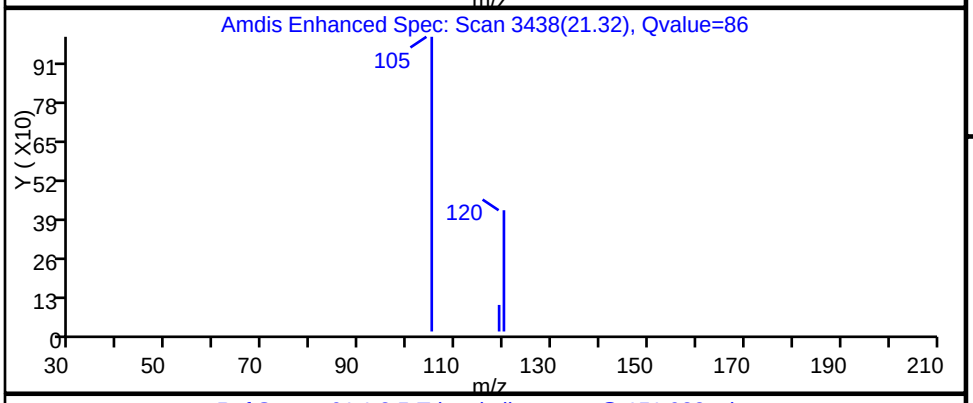
TestAmerica Burlington

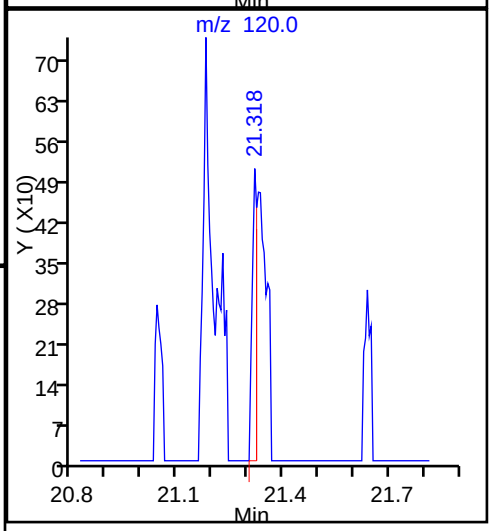
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

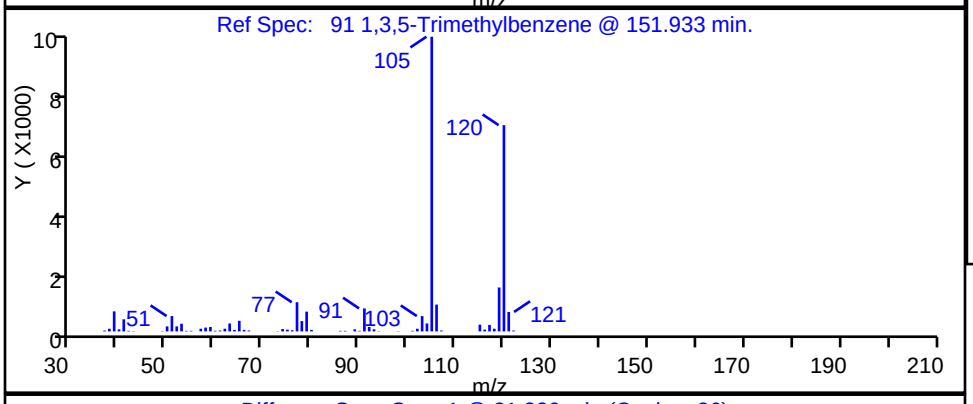
91 1,3,5-Trimethylbenzene, CAS: 108-67-8

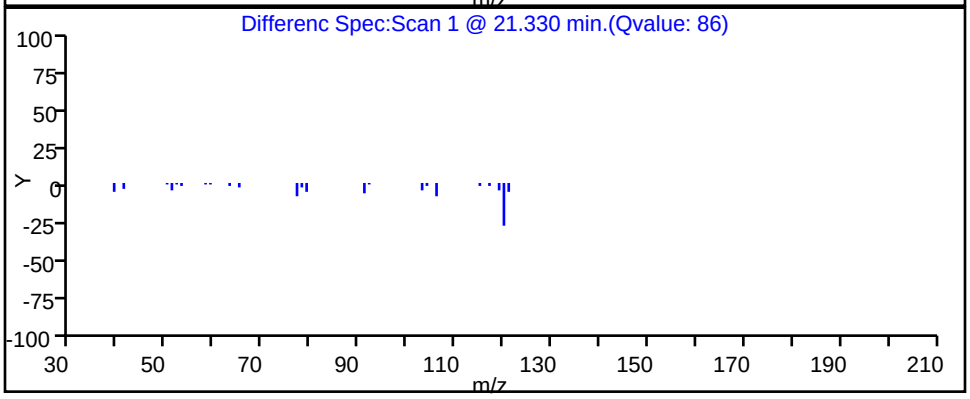








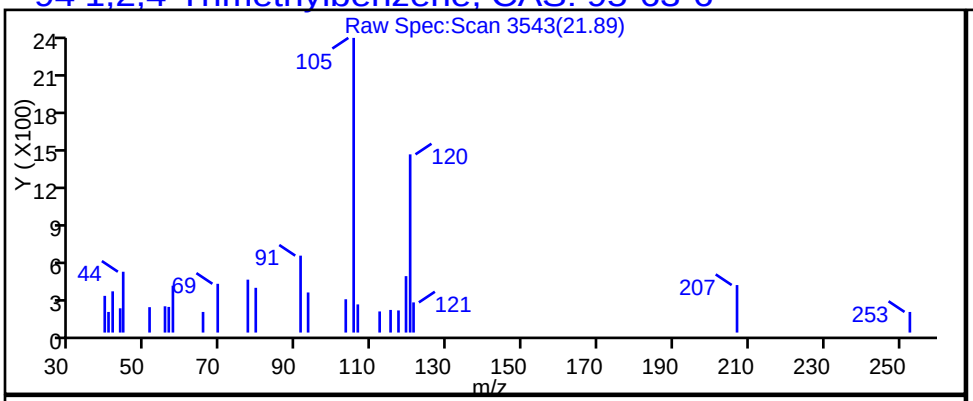


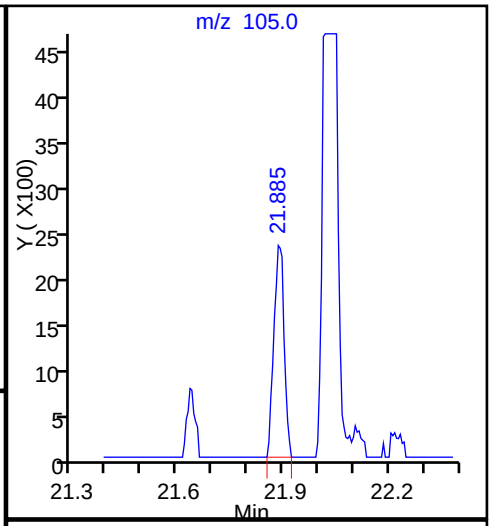


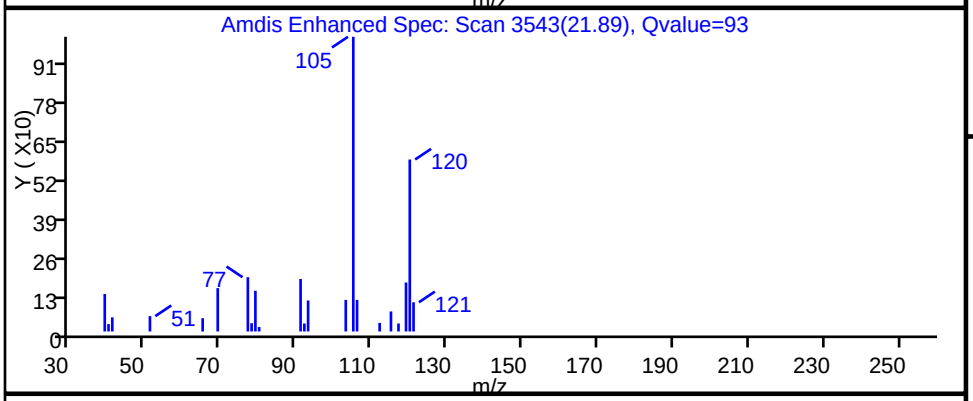
TestAmerica Burlington

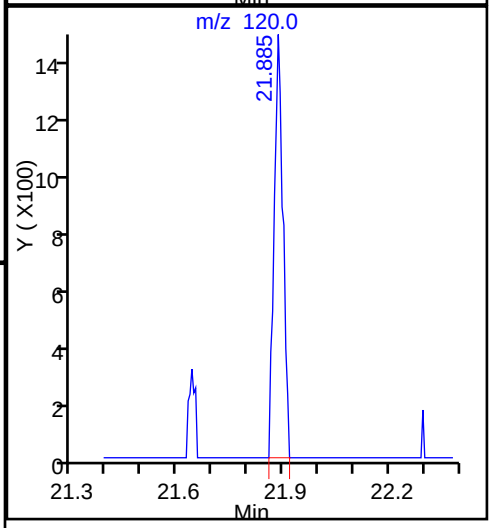
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D
Injection Date: 05-Sep-2015 00:51:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-12 Lab Sample ID: 200-29580-12
Client ID: 776IA1NA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

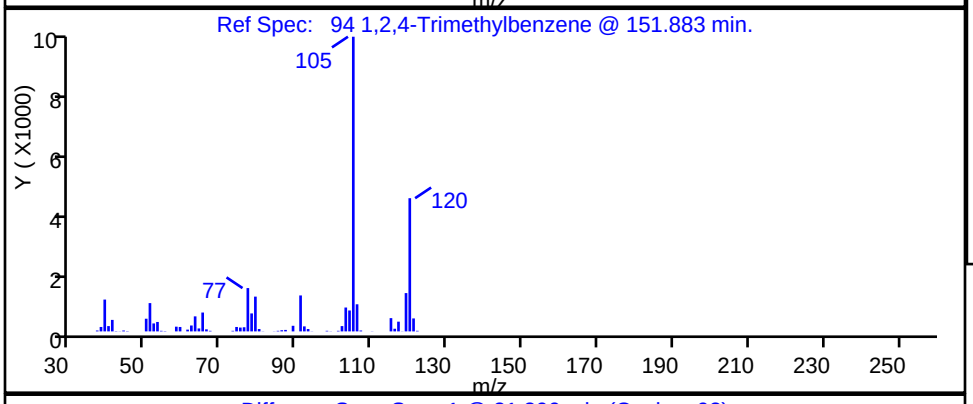
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

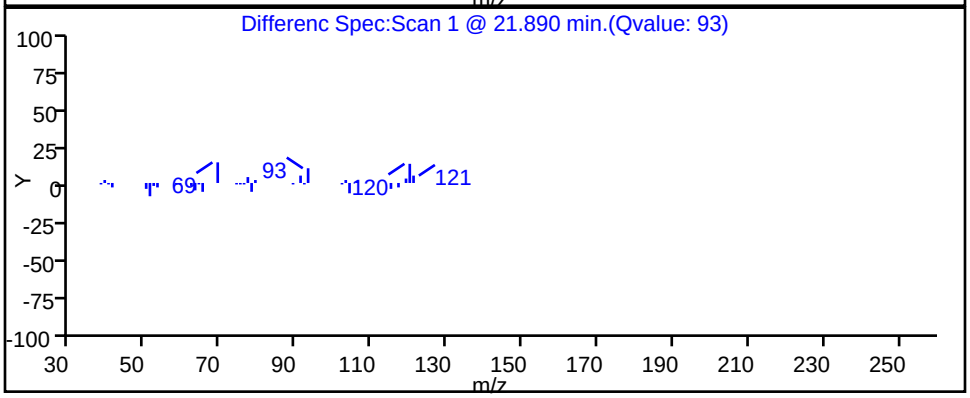








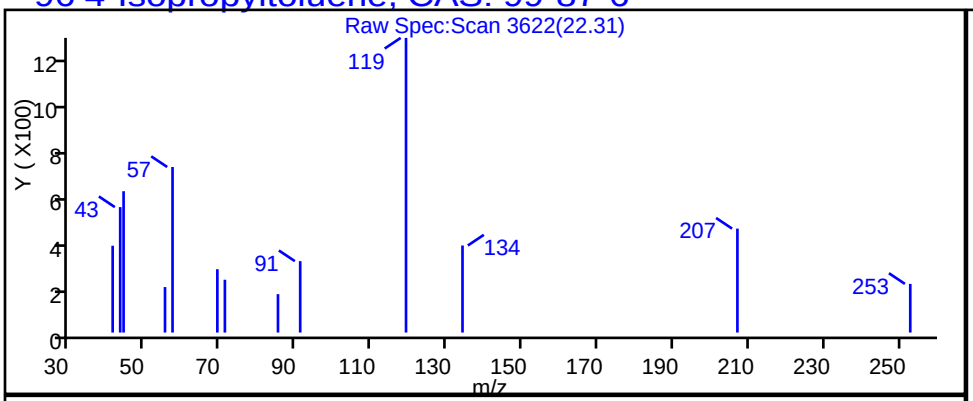


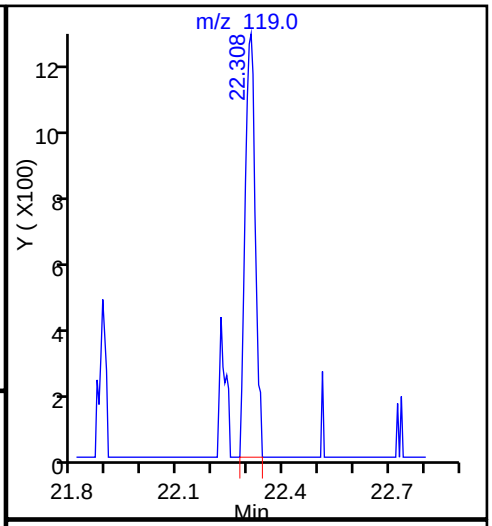


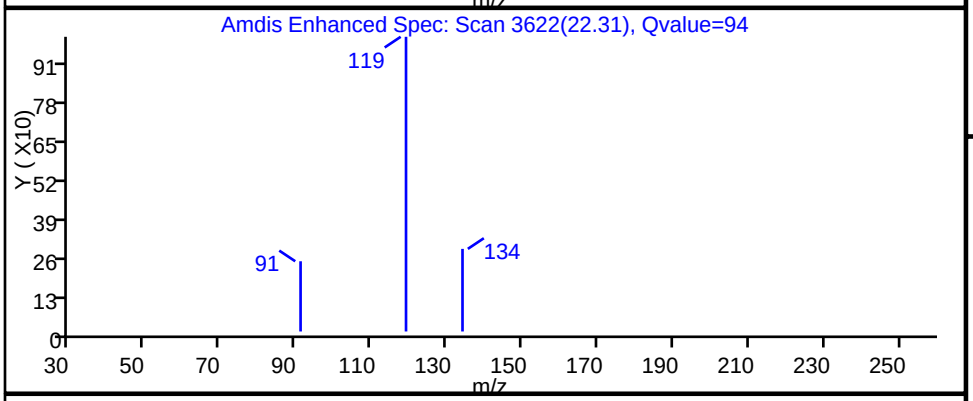
TestAmerica Burlington

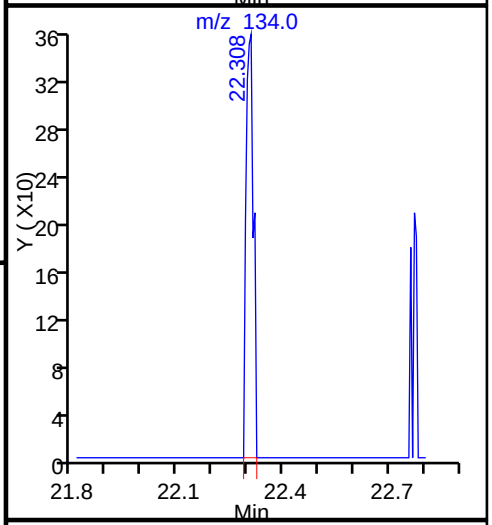
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

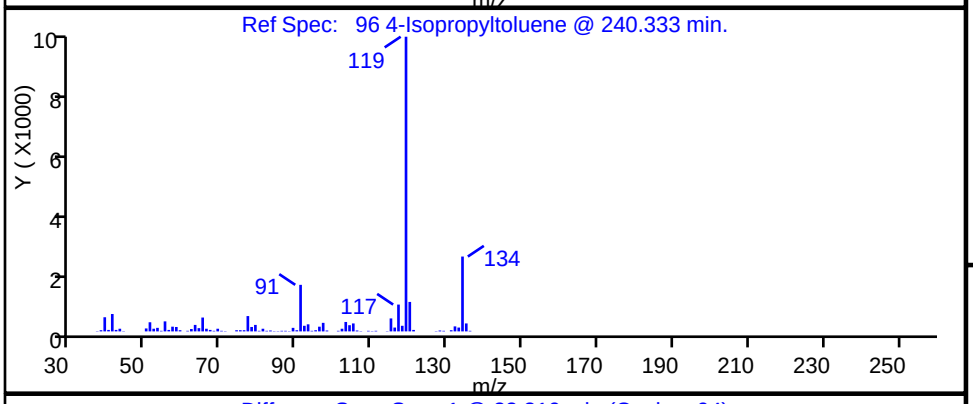
96 4-Isopropyltoluene, CAS: 99-87-6

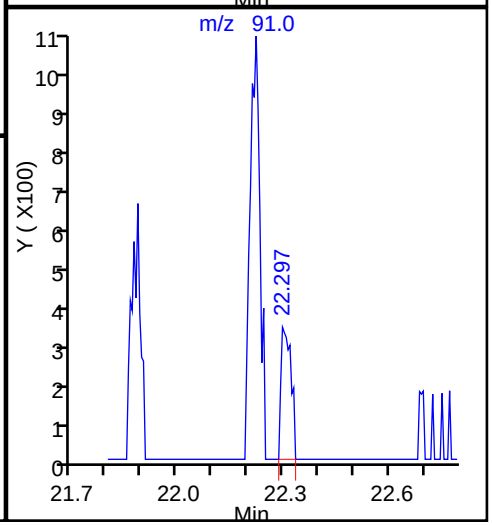


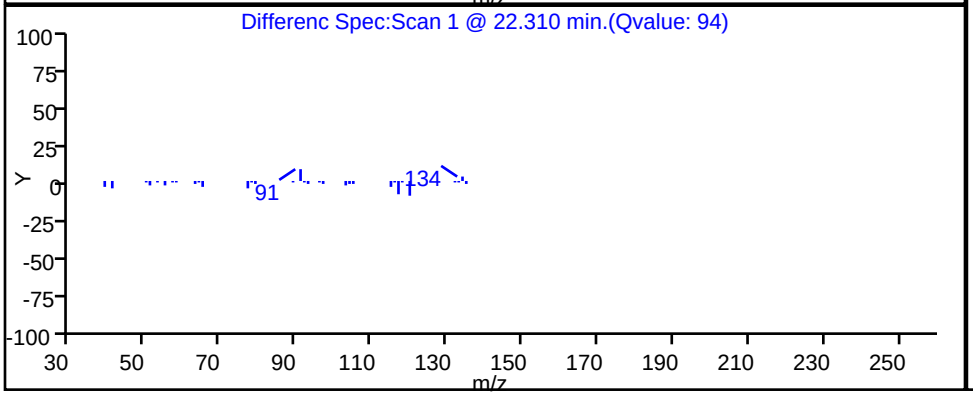








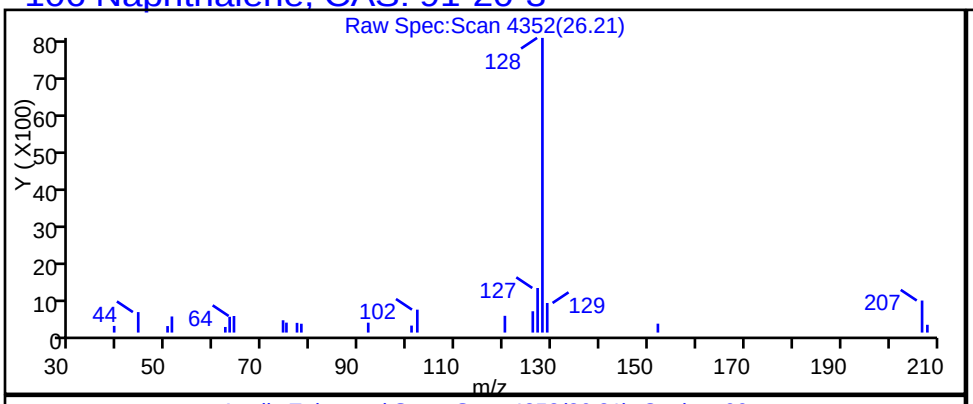


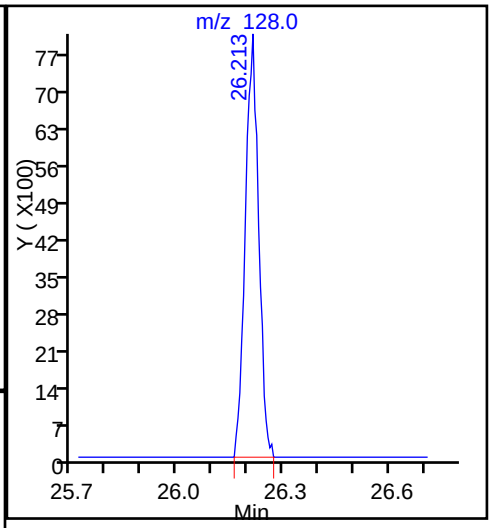


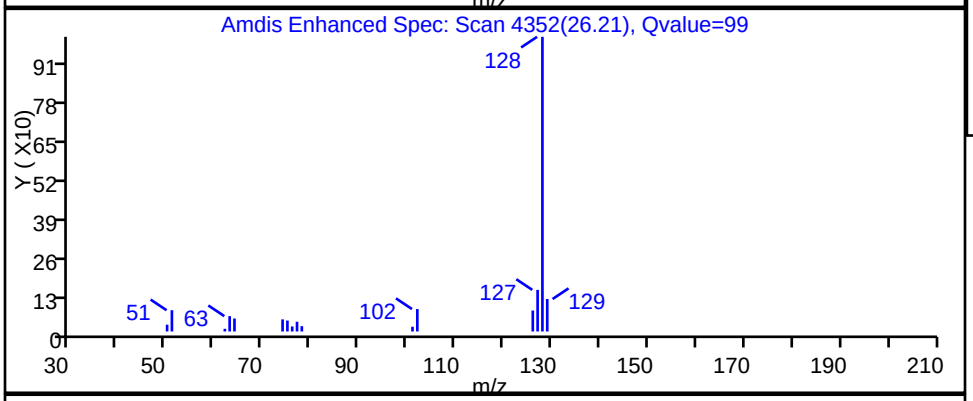
TestAmerica Burlington

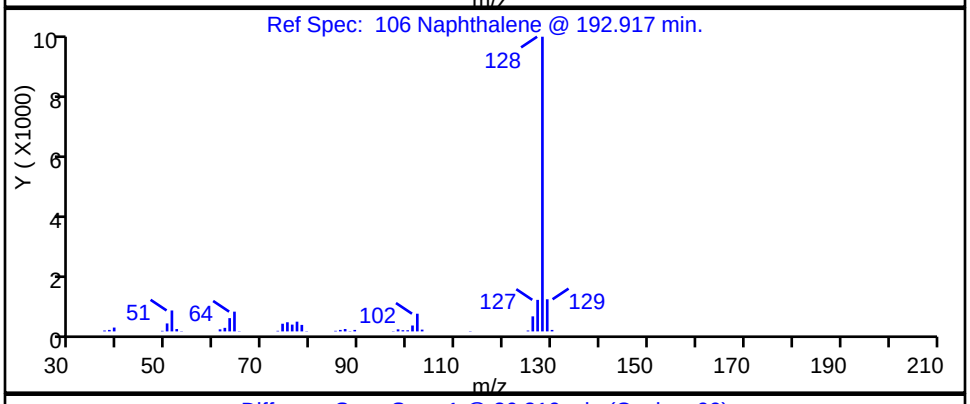
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_17.D				
Injection Date:	05-Sep-2015 00:51:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-12	Lab Sample ID:	200-29580-12		
Client ID:	776IA1NA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

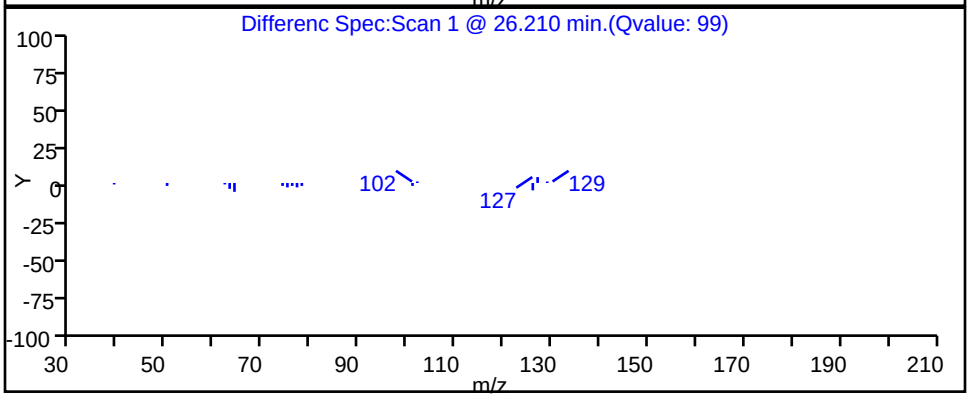
106 Naphthalene, CAS: 91-20-3











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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PA Lab Sample ID: 200-29580-13

Matrix: Air Lab File ID: 15679_017.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 21:45

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.50		0.50	0.056
75-45-6	Freon 22	86.47	0.23	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.29		0.20	0.045
76-13-1	Freon TF	187.38	0.15	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.6	J	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.26	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.47	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U M	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.31	J	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.089	J	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.089	J	0.40	0.053
67-66-3	Chloroform	119.38	6.4		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.86		0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.090	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	J	0.20	0.023
71-43-2	Benzene	78.11	0.086	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PA | Lab Sample ID: 200-29580-13

Matrix: Air | Lab File ID: 15679_017.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 11:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 21:45

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	25		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.13	J	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.042	J	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.45		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PA Lab Sample ID: 200-29580-13

Matrix: Air Lab File ID: 15679_017.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 21:45

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PA | Lab Sample ID: 200-29580-13

Matrix: Air | Lab File ID: 15679_017.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 11:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 21:45

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.28
75-45-6	Freon 22	86.47	0.80	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.6		1.1	0.25
76-13-1	Freon TF	187.38	1.2	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	6.1	J	12	1.6
67-63-0	Isopropyl alcohol	60.10	0.64	J	12	0.37
75-15-0	Carbon disulfide	76.14	1.5	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U M	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.93	J	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.35	J	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.35	J	1.6	0.21
67-66-3	Chloroform	119.38	31		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	4.7		1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.57	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	J	0.93	0.11
71-43-2	Benzene	78.11	0.27	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PA | Lab Sample ID: 200-29580-13

Matrix: Air | Lab File ID: 15679_017.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 11:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 21:45

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	130		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.86	J	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.16	J	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	3.0		1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PA Lab Sample ID: 200-29580-13

Matrix: Air Lab File ID: 15679_017.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:15

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 21:45

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d
Lims ID: 200-29580-A-13 Lab Sample ID: 200-29580-13
Client ID: 786VMP0202PA
Sample Type: Client
Inject. Date: 10-Sep-2015 21:45:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-017
Misc. Info.: 29580-13
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:32:06 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:32:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.410	4.415	-0.005	99	43156	0.5021	
3 Chlorodifluoromethane	51	4.490	4.485	0.005	95	8794	0.2272	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.998	4.998	0.000	95	1132	0.0507	
6 Butane	43		5.282				ND	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.288	7.288	0.000	98	27417	0.2896	
20 1,1,2-Trichloro-1,2,2-trif	101	8.593	8.593	0.000	92	10748	0.1508	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.957	8.946	0.011	96	88282	2.55	
23 Carbon disulfide	76	9.165	9.166	-0.001	98	39384	0.4748	
24 Isopropyl alcohol	45	9.246	9.224	0.022	96	7784	0.2602	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.936	9.936	0.005	89	2995	0.1112	M
28 2-Methyl-2-propanol	59	10.123	10.123	0.000	96	4940	0.1042	
S 30 1,2-Dichloroethene, Total	61				0		0.0890	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57		10.856				ND	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96	12.616	12.621	-0.005	81	3588	0.0890	
38 2-Butanone (MEK)	72	12.675	12.654	0.021	96	5487	0.3138	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	71	266786	10.0	
41 Tetrahydrofuran	42		13.114				ND	
42 Chloroform	83	13.221	13.221	-0.001	95	448988	6.38	
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97	13.536	13.536	0.000	94	64456	0.8574	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.782	13.788	-0.006	97	6838	0.0899	
46 Isooctane	57	14.183	14.189	-0.006	87	4115	0.0295	
47 Benzene	78	14.248	14.259	-0.010	93	9148	0.0856	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1242121	10.0	
53 Trichloroethene	95	15.483	15.484	-0.001	94	1233421	24.6	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83	16.500	16.505	-0.005	96	9585	0.1290	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.629	0.005	90	5409	0.0981	
65 Toluene	92	17.960	17.960	0.000	90	3507	0.0417	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166	18.993	18.993	0.000	95	40576	0.4455	
69 2-Hexanone	43		19.266				ND	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		0.0188	7
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1165140	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91		20.903				ND	
78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	92	1422	0.0188	
79 o-Xylene	106		21.807				ND	
80 Styrene	104		21.839				ND	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105		22.353				ND	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91		22.979				ND	
88 4-Ethyltoluene	105		23.144				ND	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105		23.235				ND	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105		23.818				ND	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119		24.268				ND	
96 1,3-Dichlorobenzene	146		24.337				ND	
97 1,4-Dichlorobenzene	146		24.487				ND	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128		28.772				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

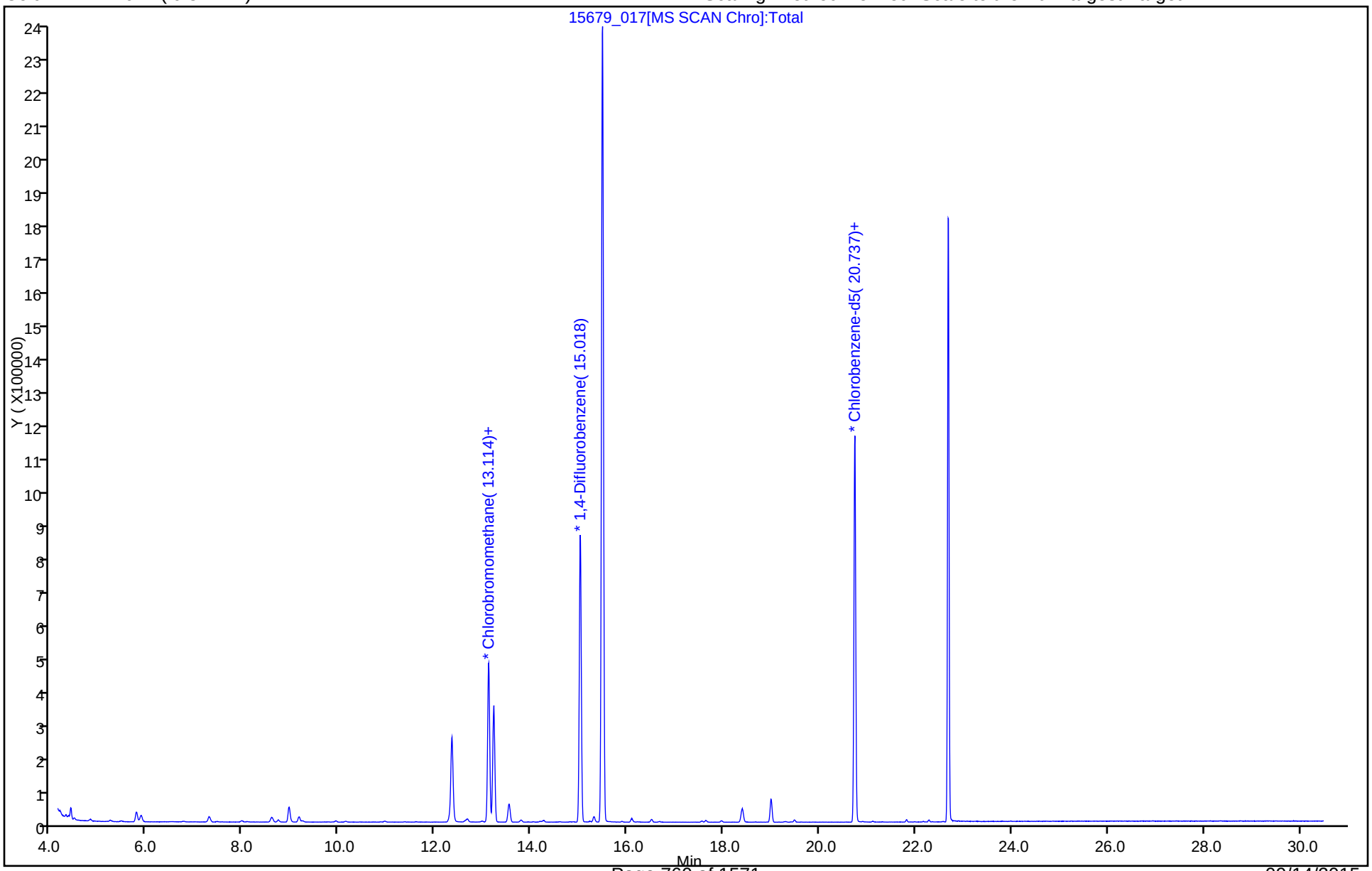
Report Date: 11-Sep-2015 11:32:08 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d

Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13	Worklist Smp#:	17
Client ID:	786VMP0202PA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

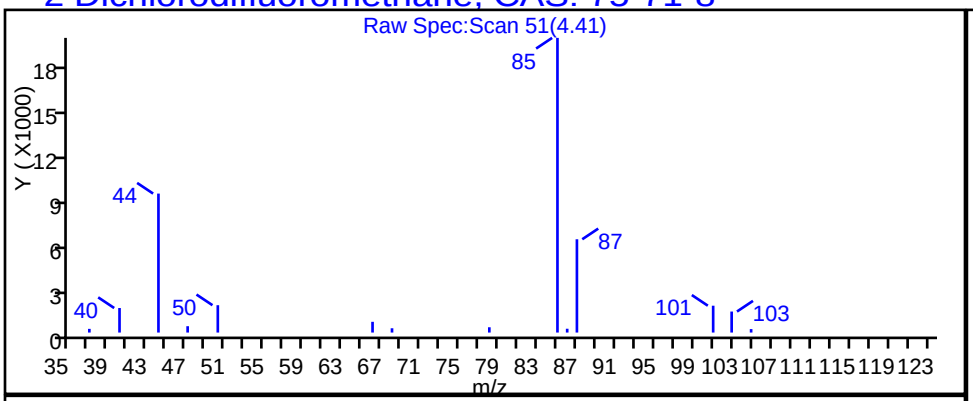
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

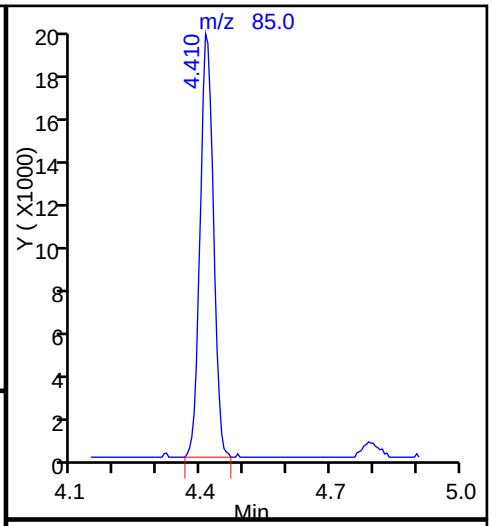


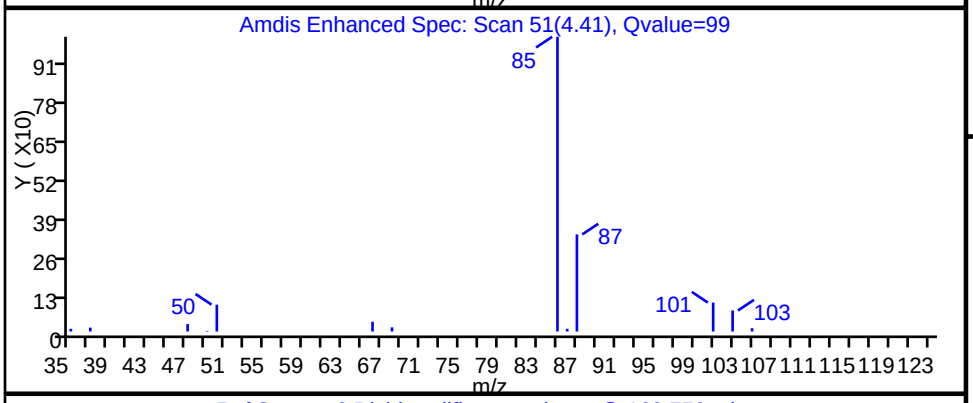
TestAmerica Burlington

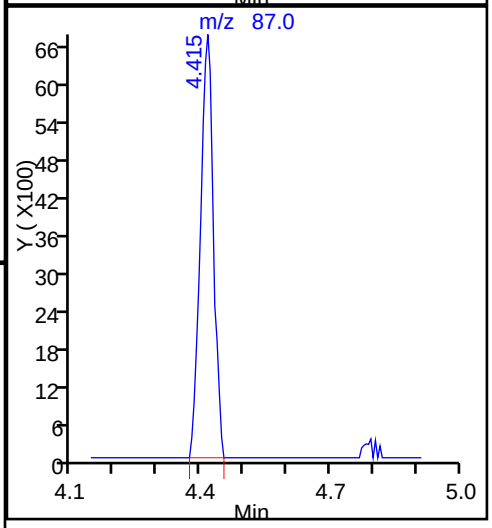
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

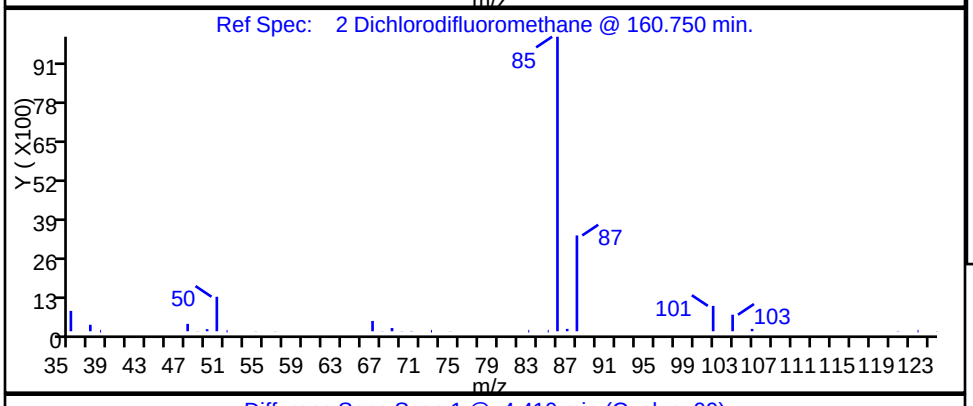
2 Dichlorodifluoromethane, CAS: 75-71-8

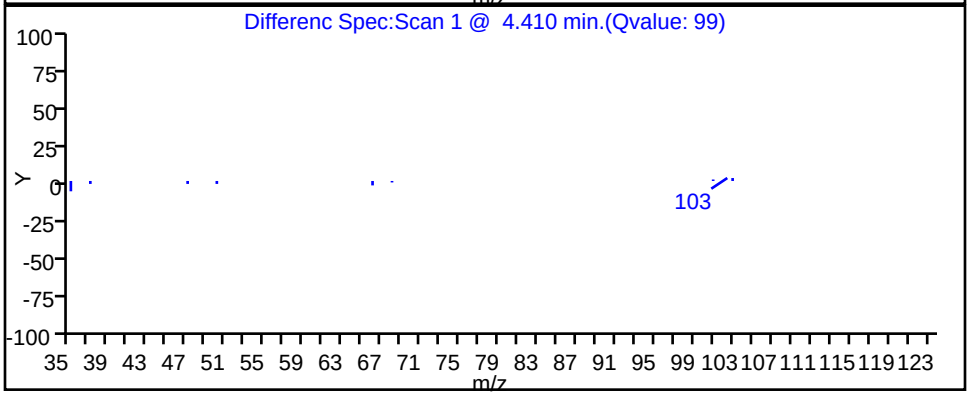












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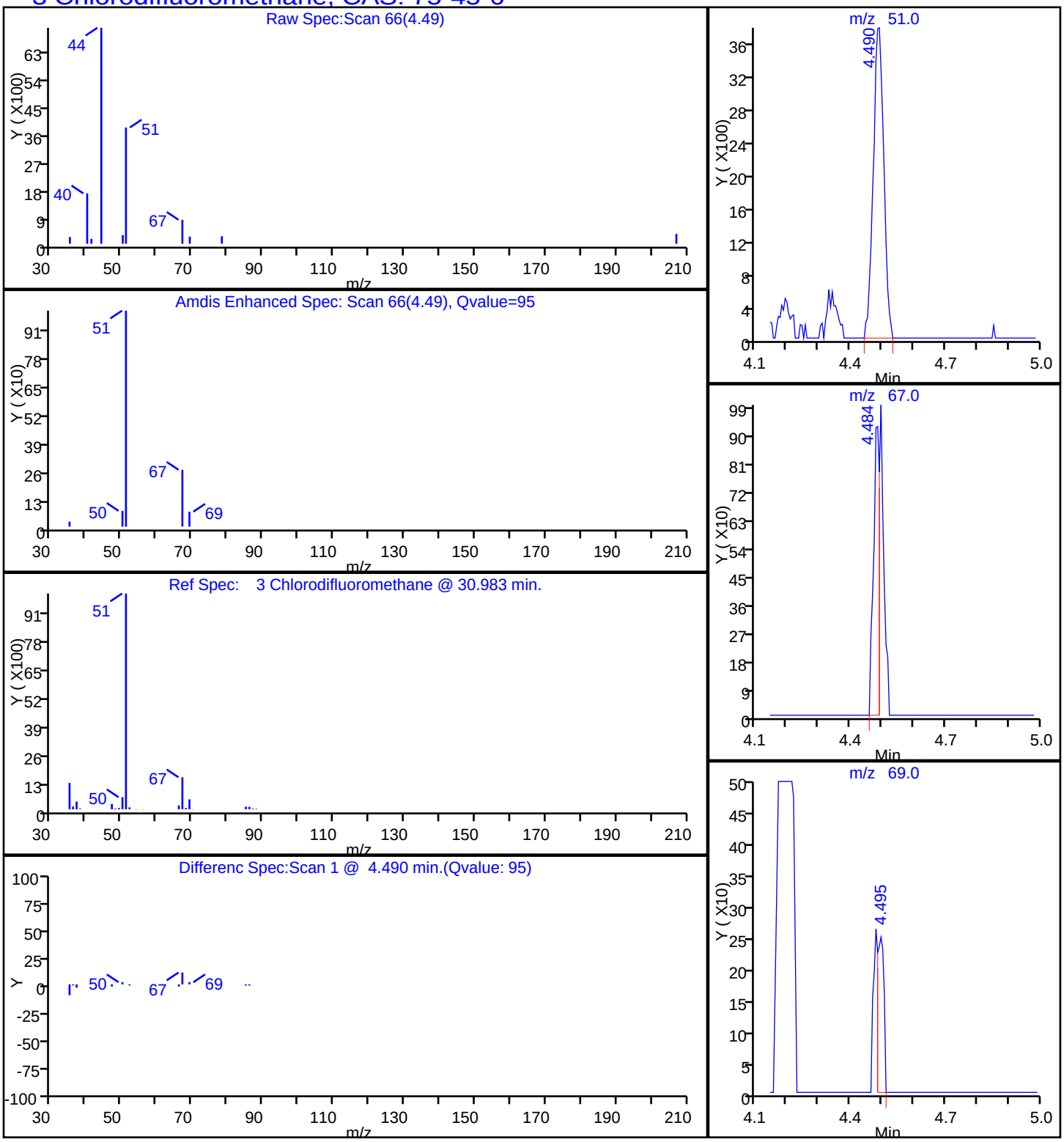
Injection Date: 10-Sep-2015 21:45:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-13 Lab Sample ID: 200-29580-13
Client ID: 786VMP0202PA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

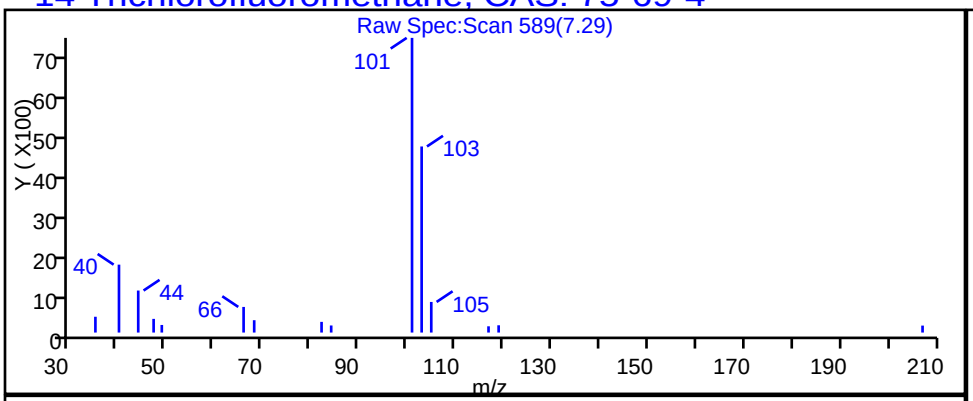
3 Chlorodifluoromethane, CAS: 75-45-6

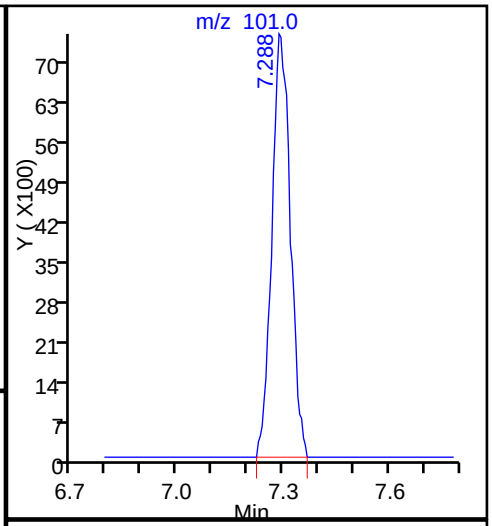


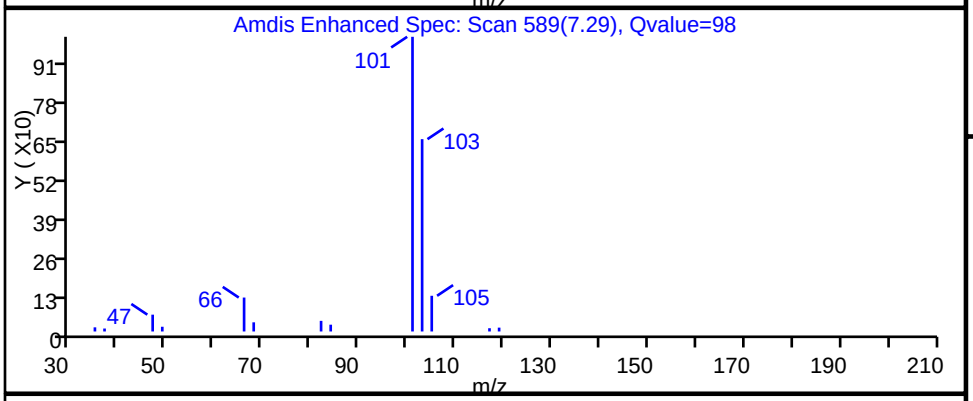
TestAmerica Burlington

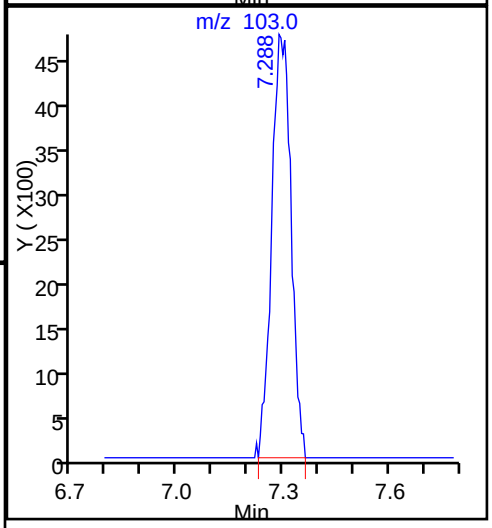
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d
Injection Date: 10-Sep-2015 21:45:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-13 Lab Sample ID: 200-29580-13
Client ID: 786VMP0202PA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

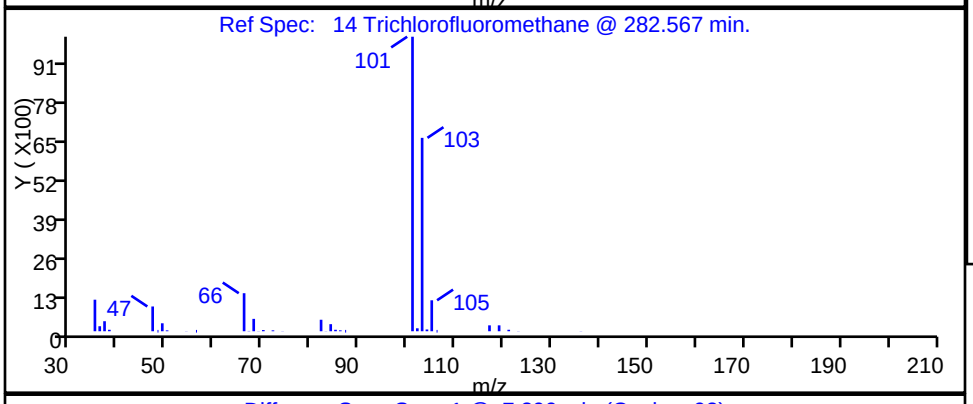
14 Trichlorofluoromethane, CAS: 75-69-4

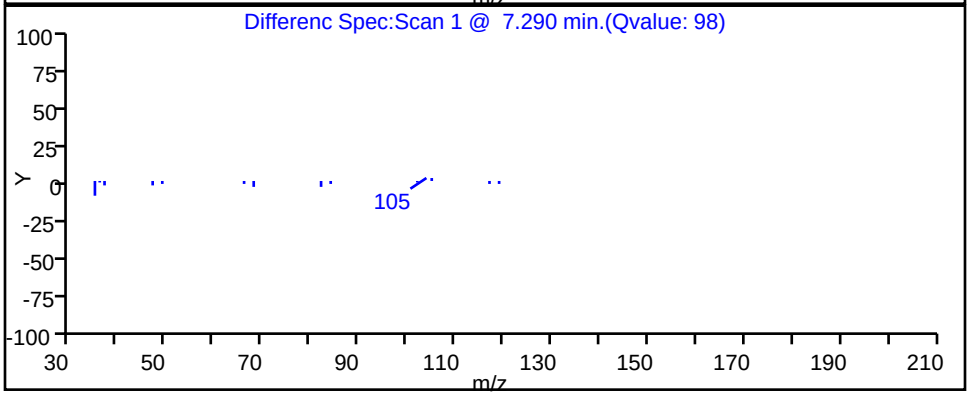








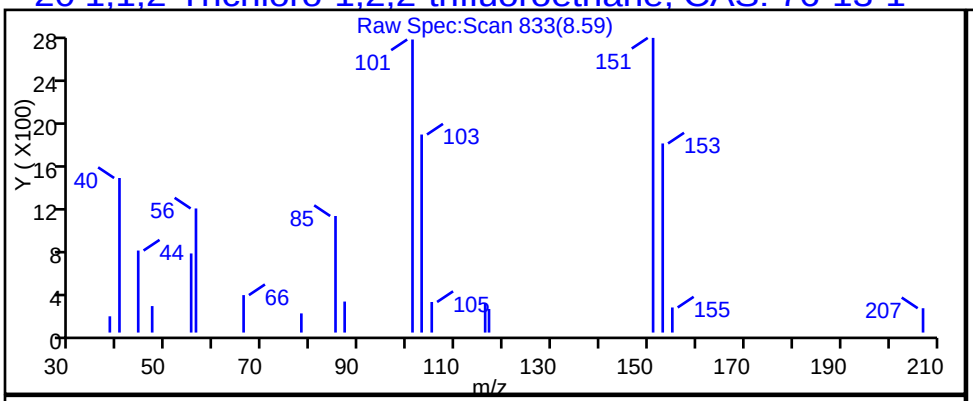


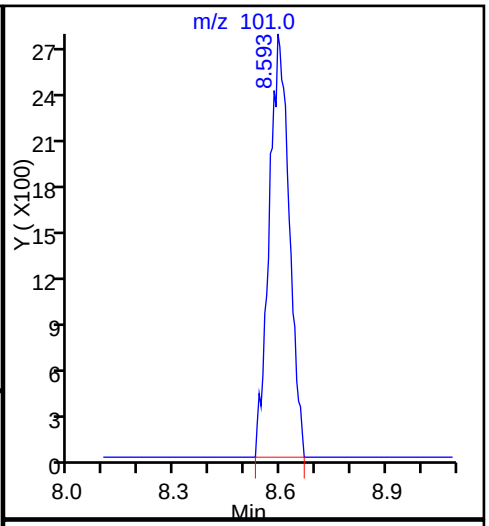


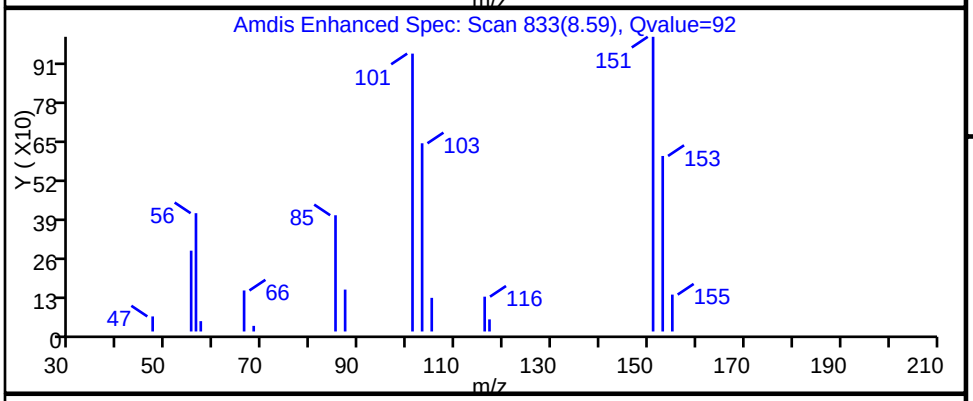
TestAmerica Burlington

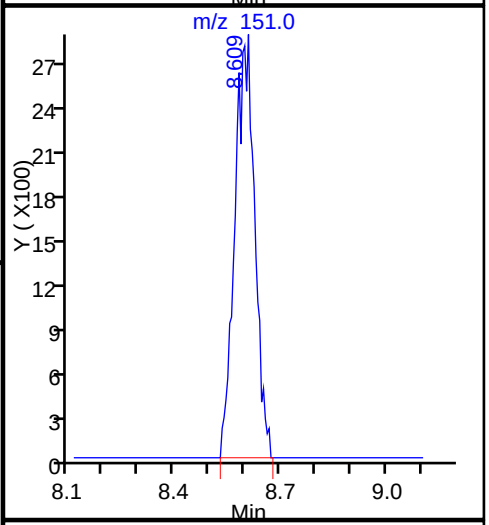
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

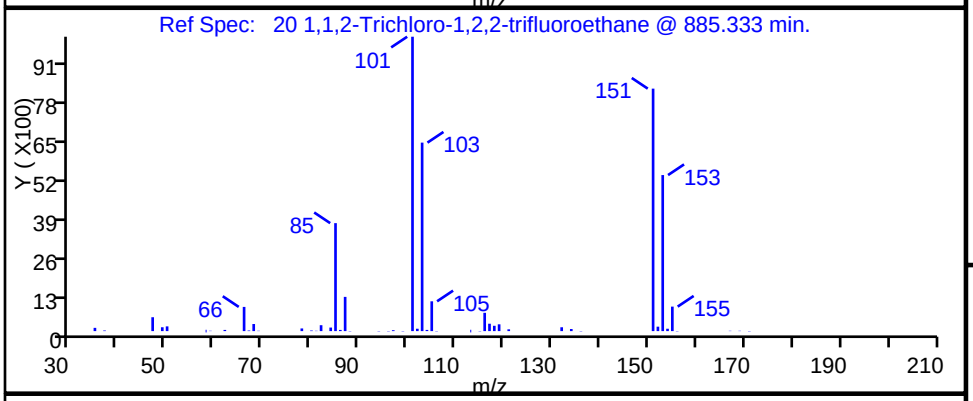
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

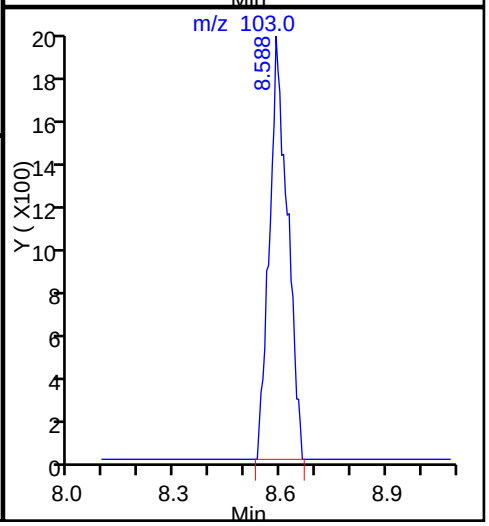


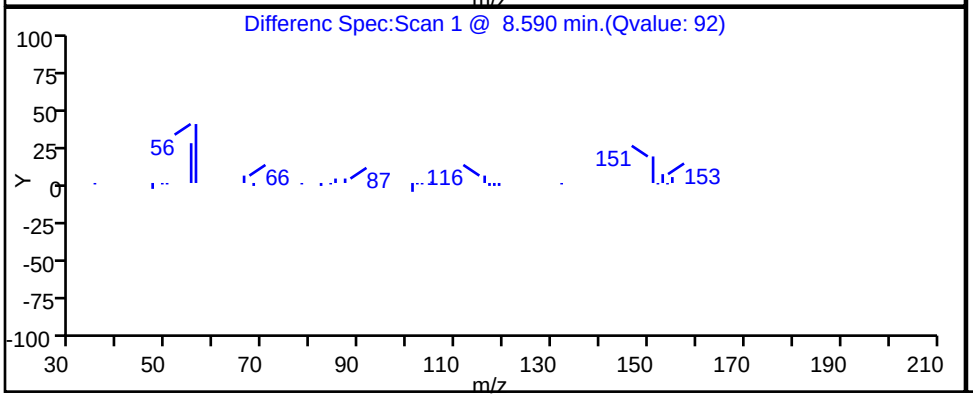






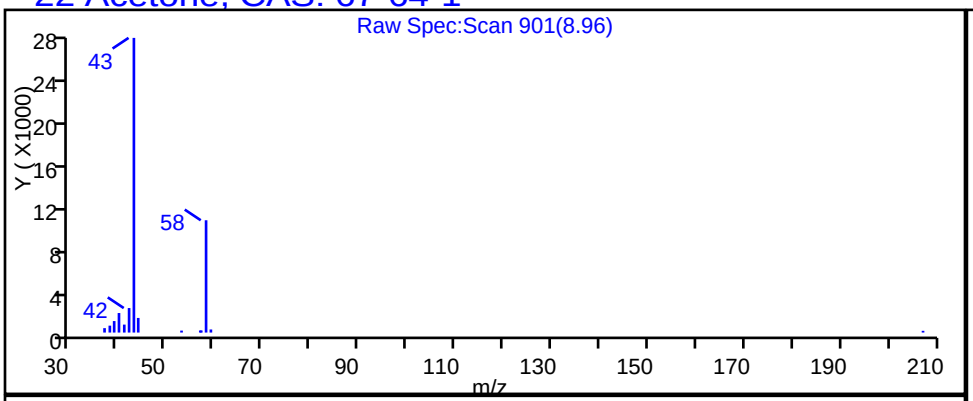


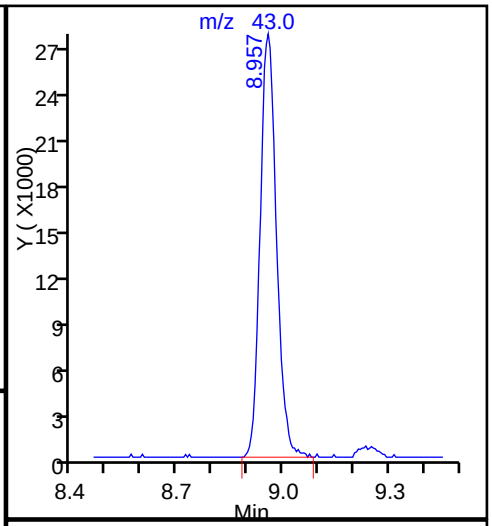


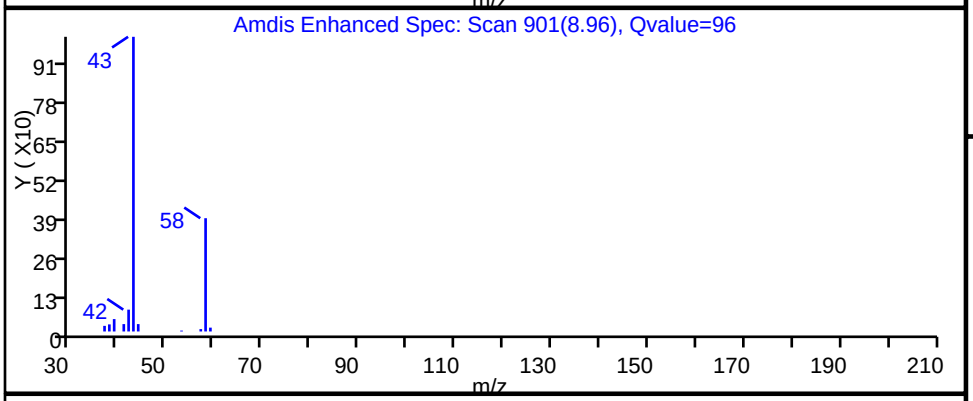


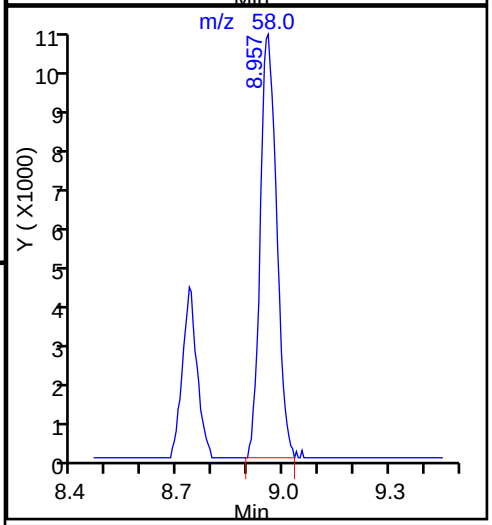
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d
Injection Date: 10-Sep-2015 21:45:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-13 Lab Sample ID: 200-29580-13
Client ID: 786VMP0202PA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

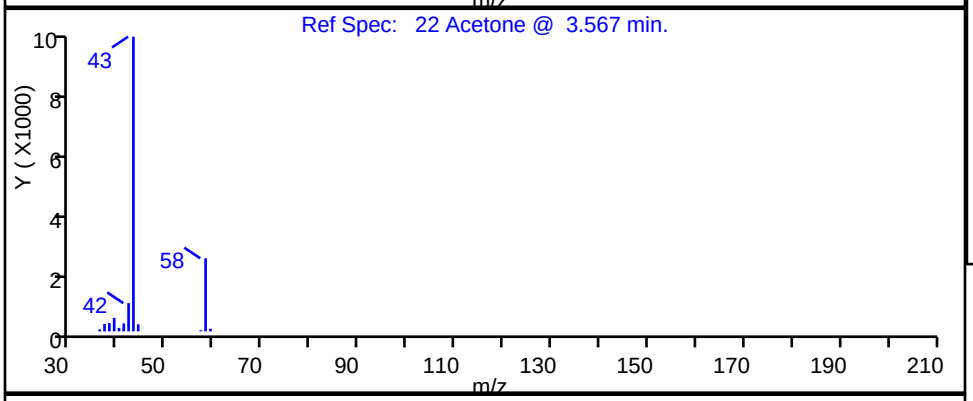
22 Acetone, CAS: 67-64-1

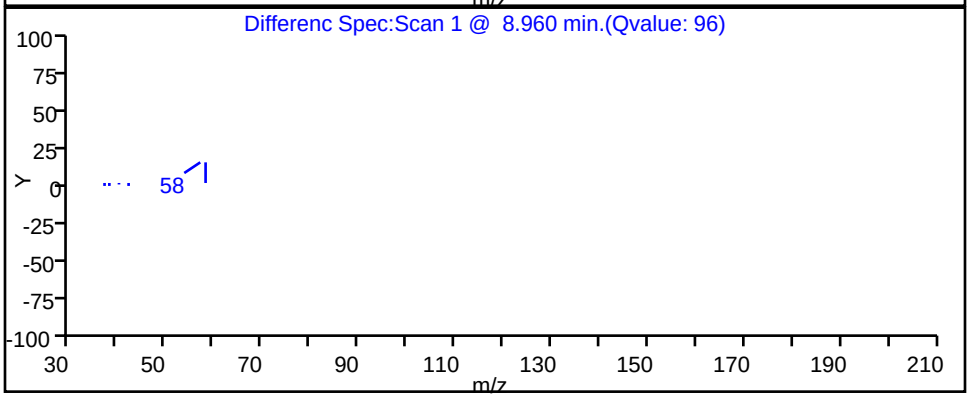








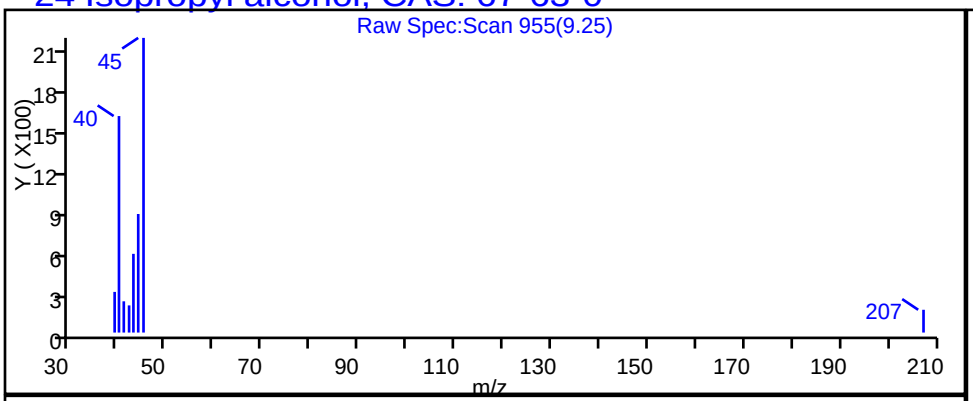


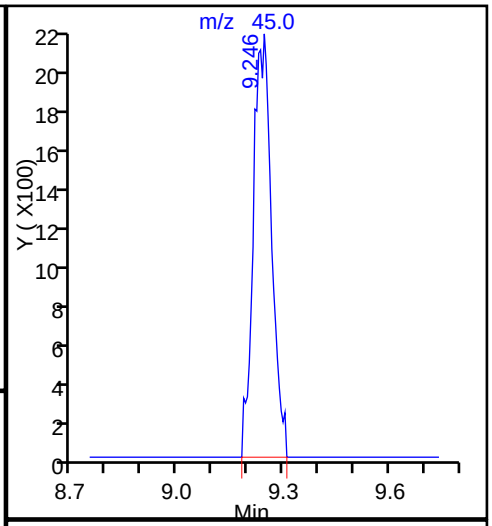


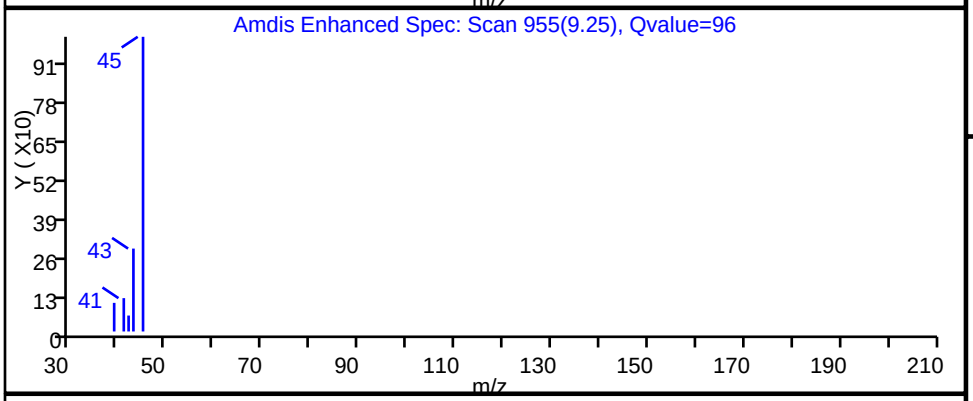
TestAmerica Burlington

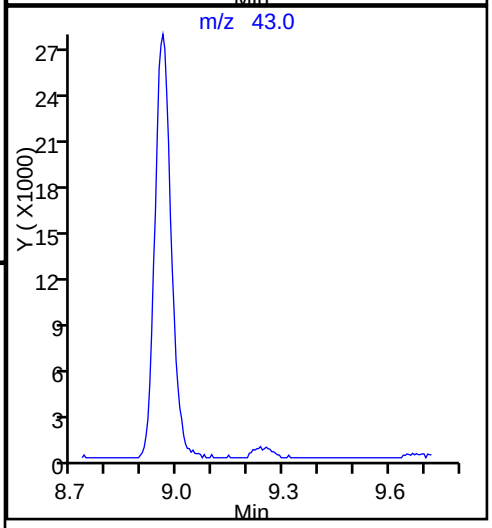
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

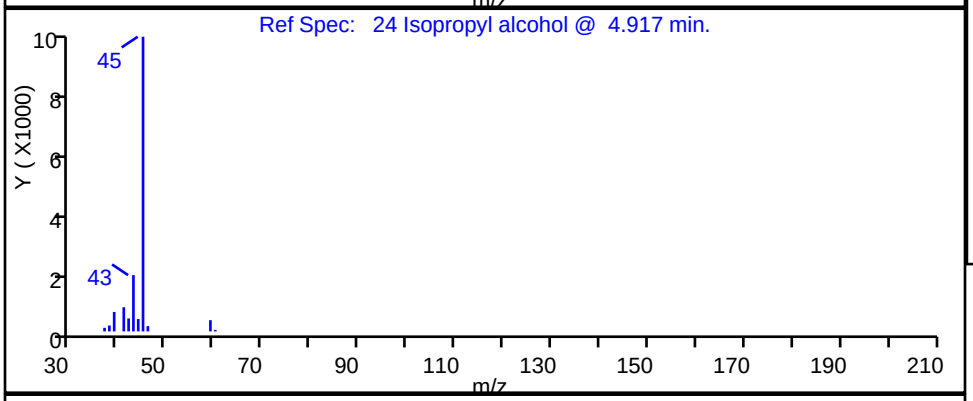
24 Isopropyl alcohol, CAS: 67-63-0

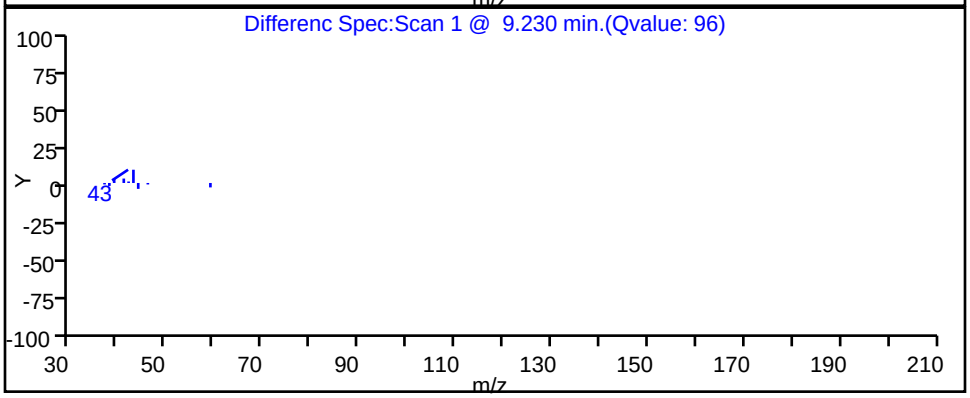








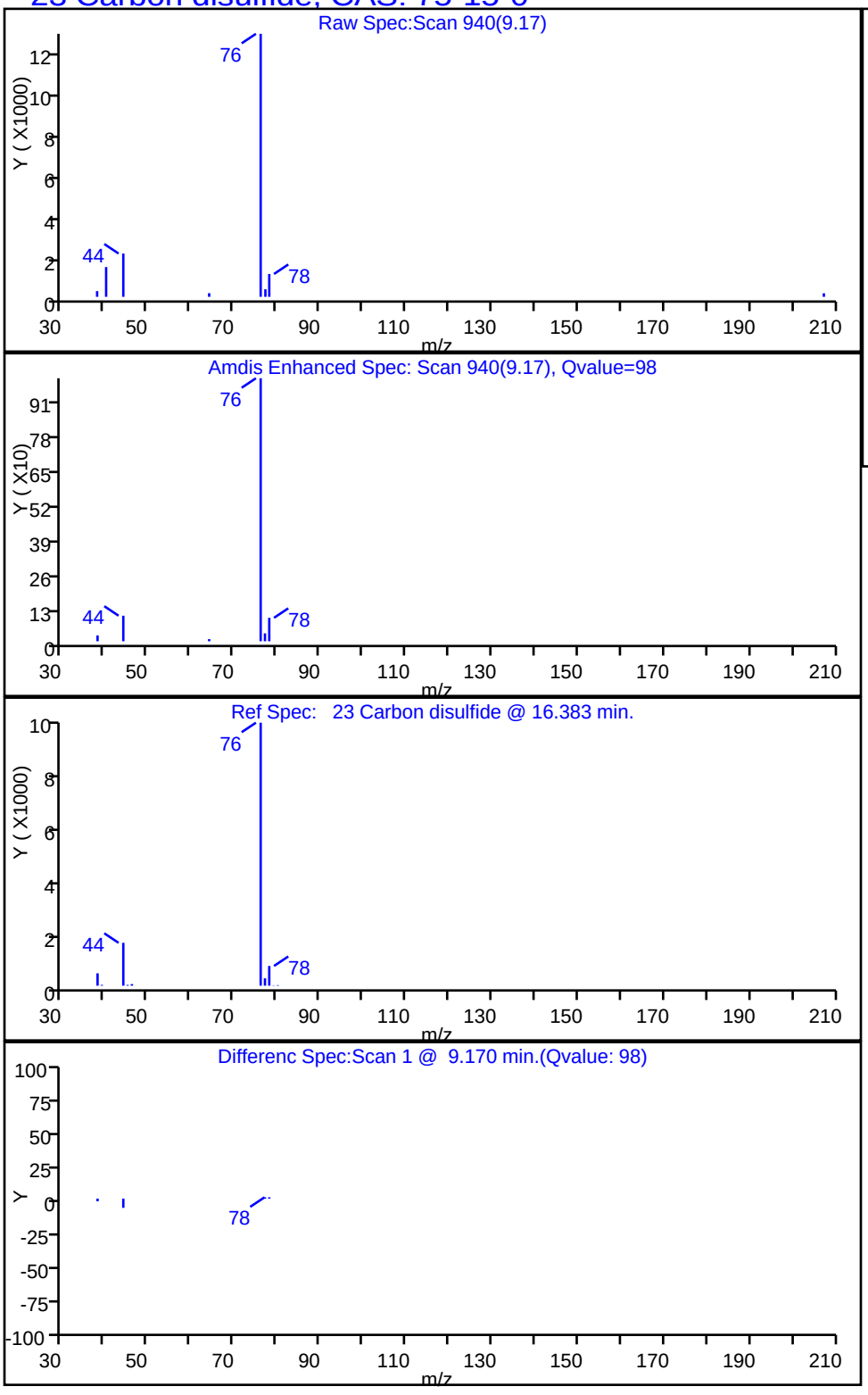


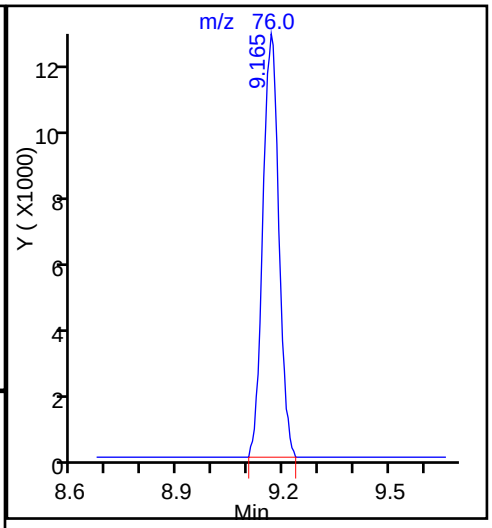


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

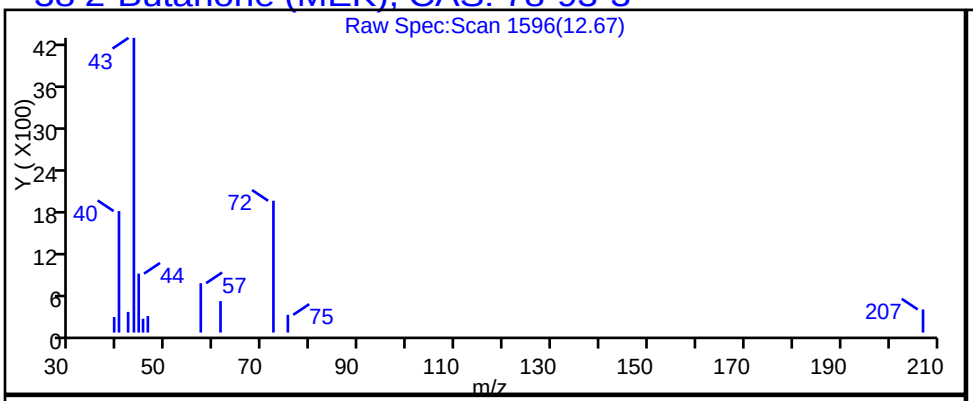


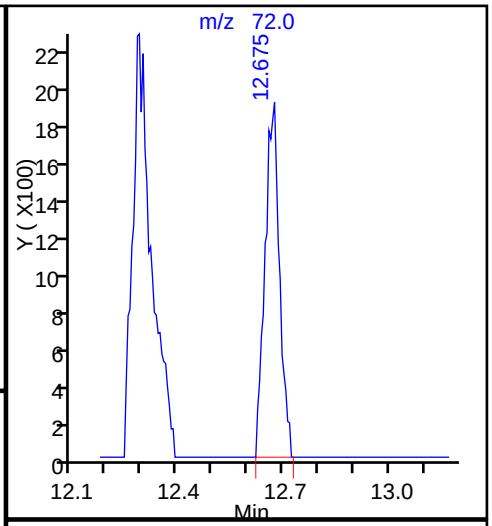


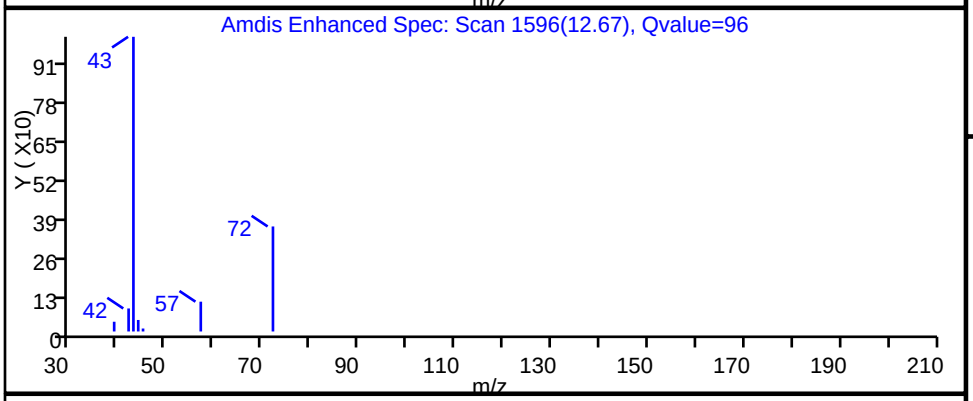
TestAmerica Burlington

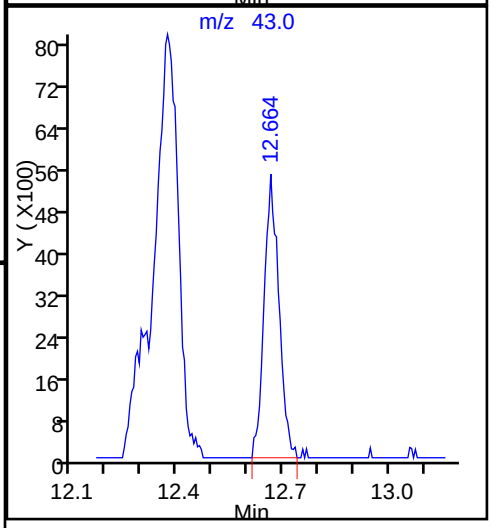
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

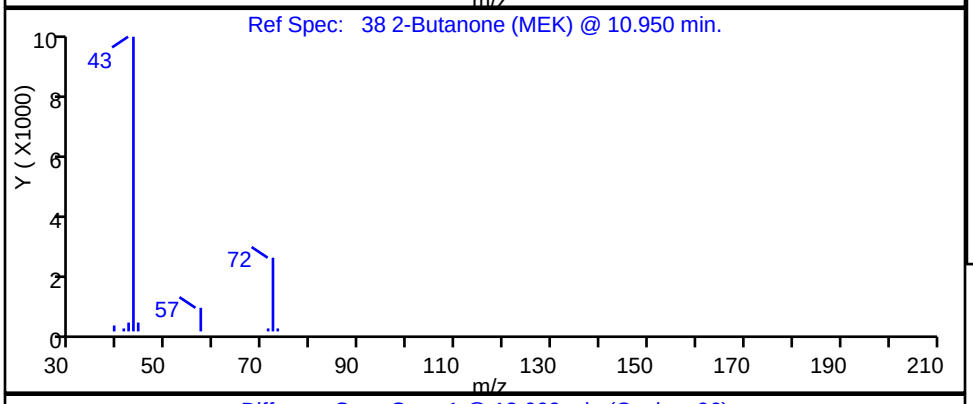
38 2-Butanone (MEK), CAS: 78-93-3

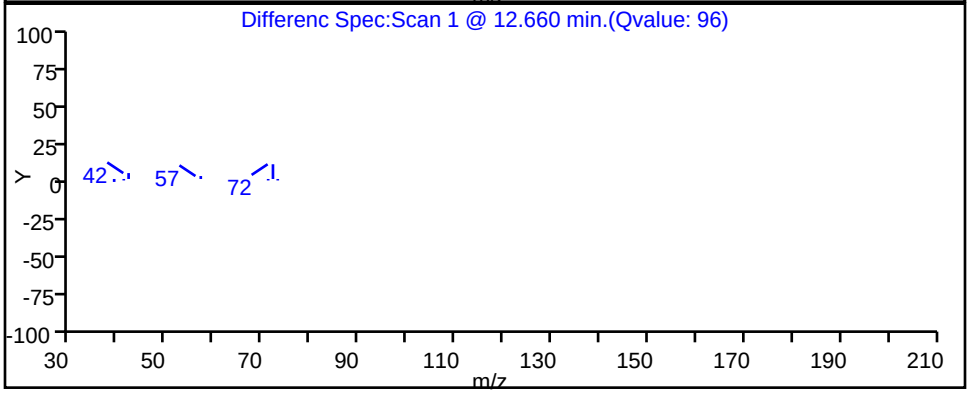








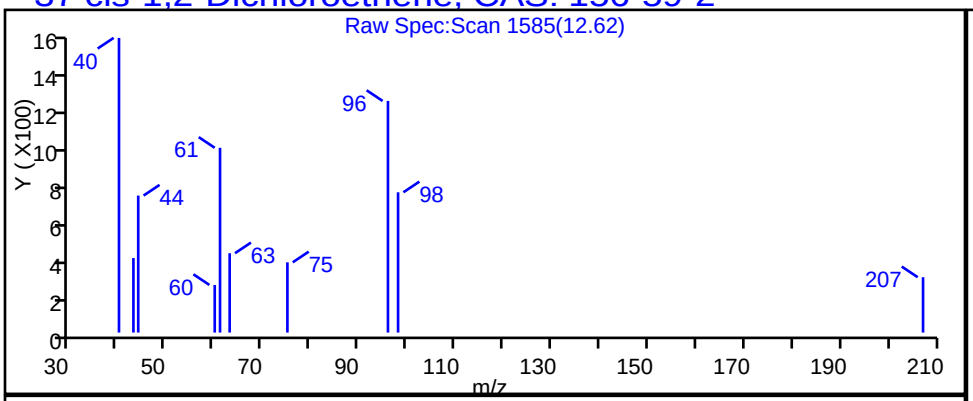


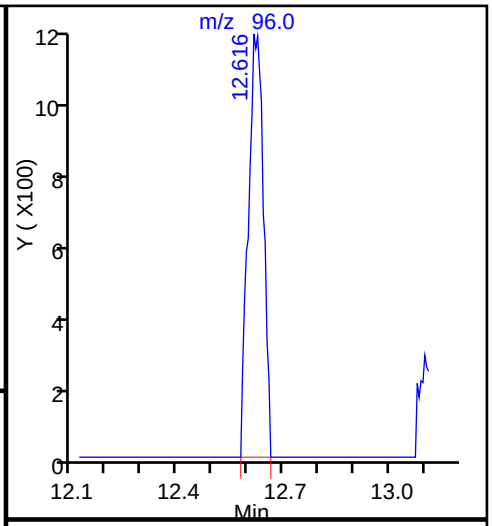


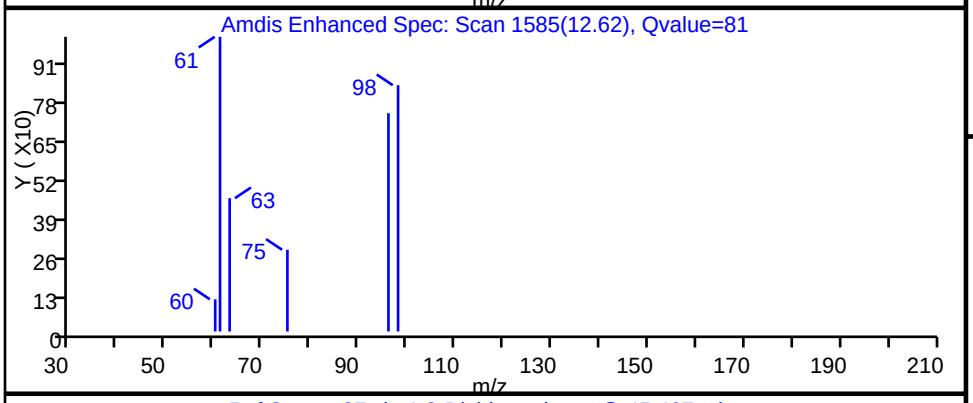
TestAmerica Burlington

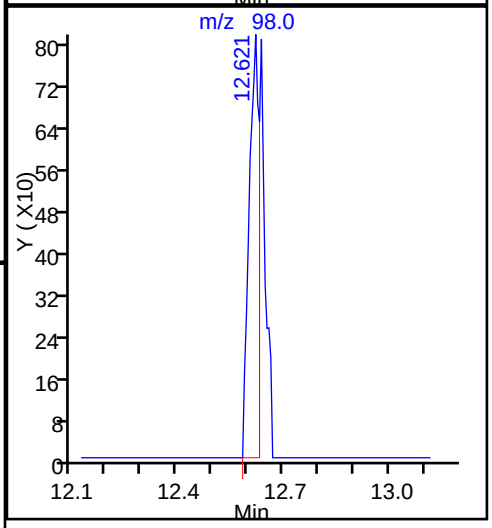
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

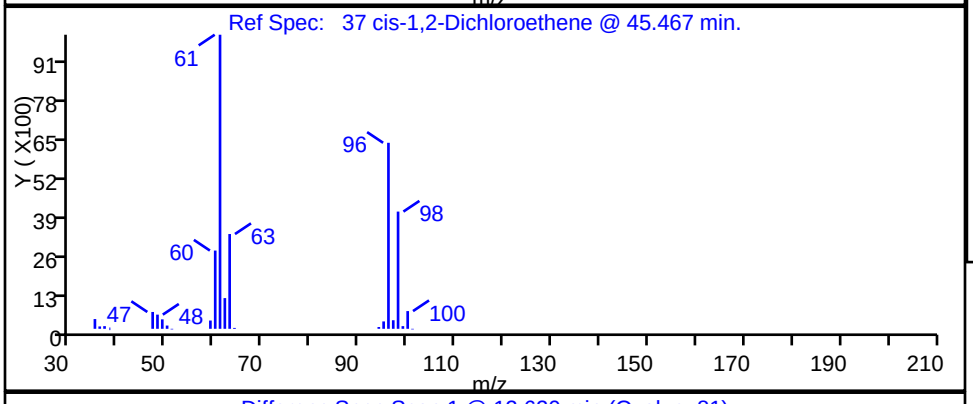
37 cis-1,2-Dichloroethene, CAS: 156-59-2

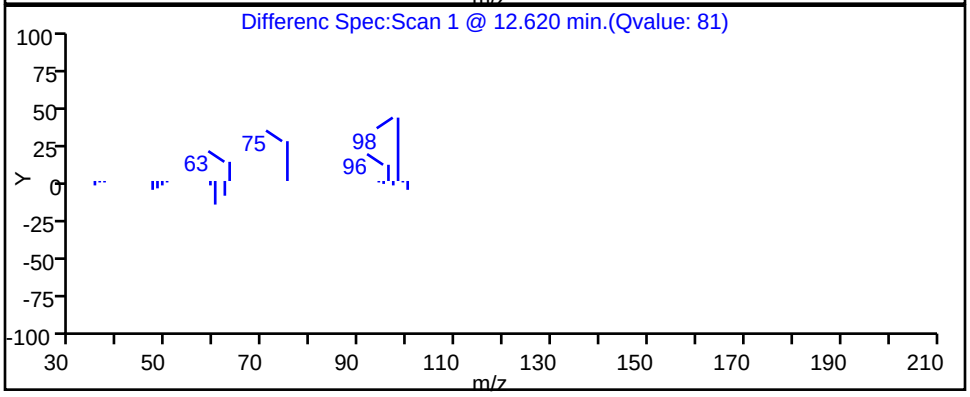








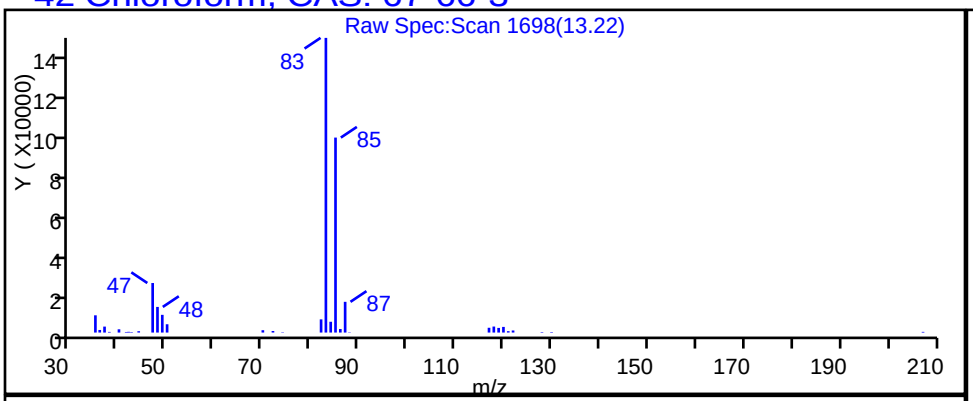


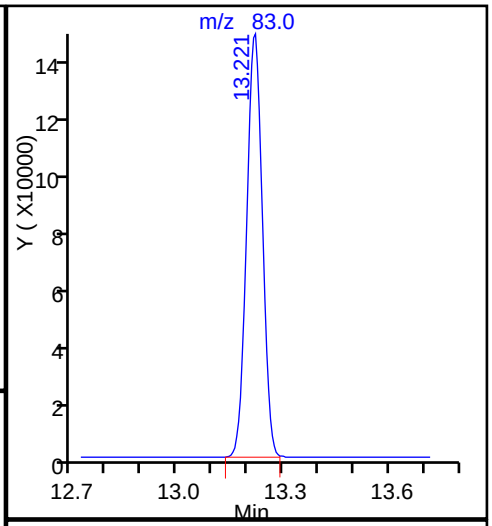


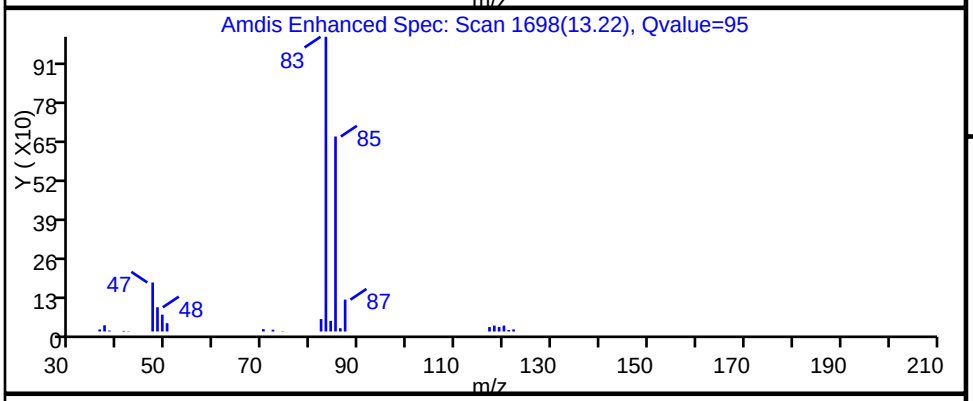
TestAmerica Burlington

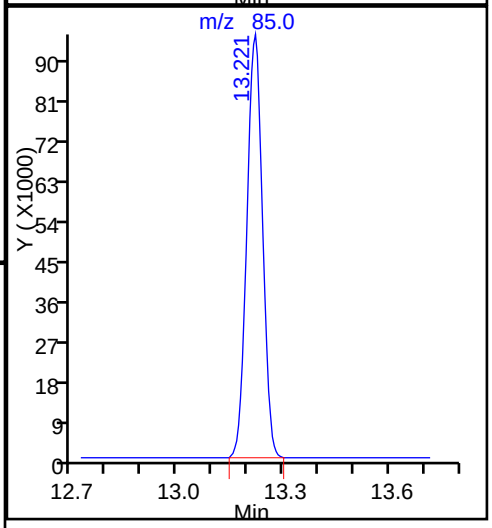
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

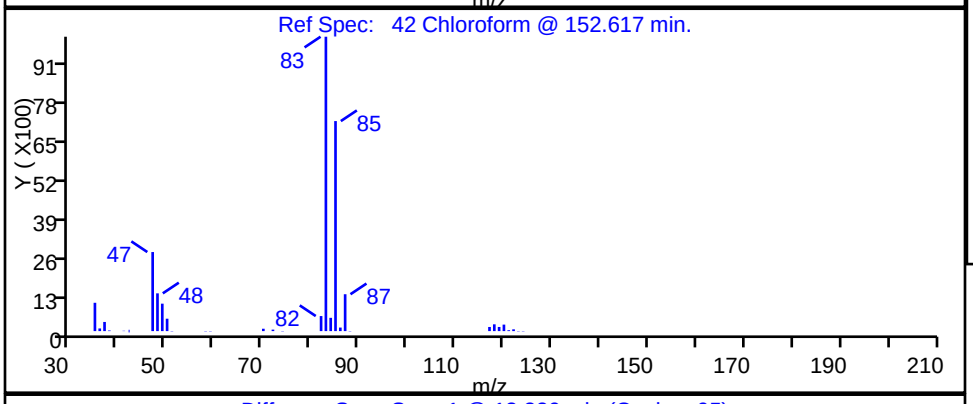
42 Chloroform, CAS: 67-66-3

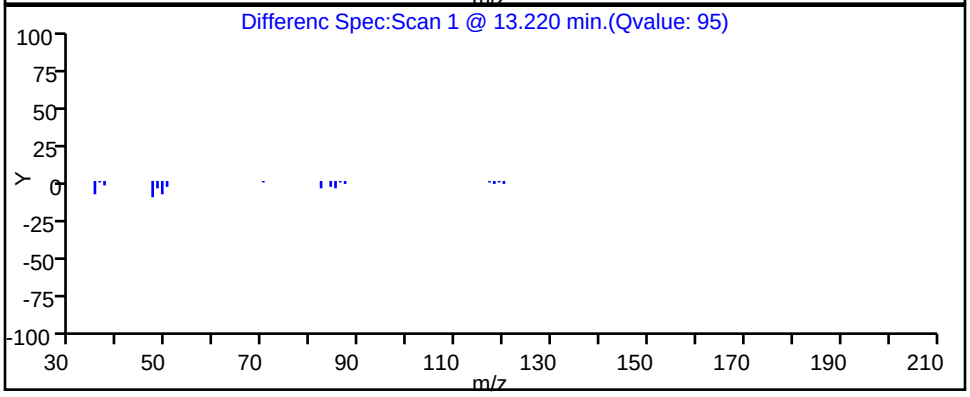








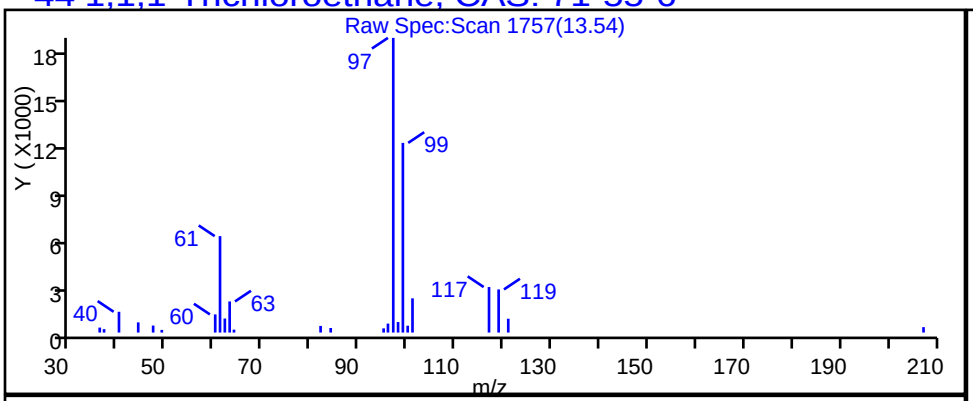


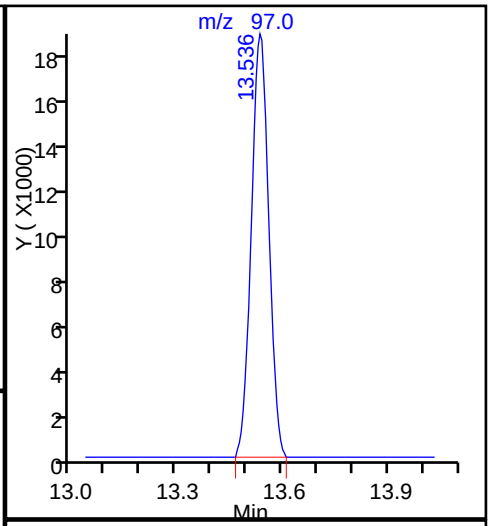


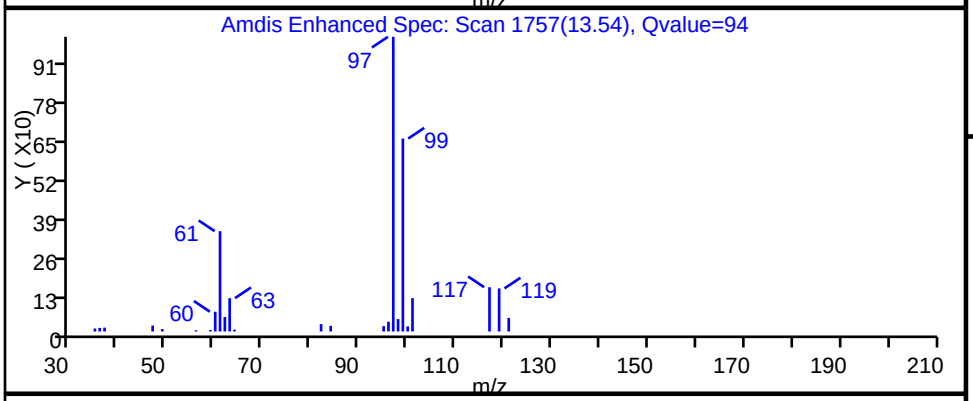
TestAmerica Burlington

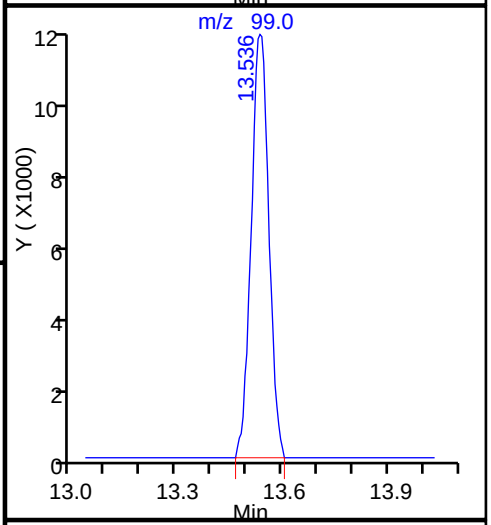
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

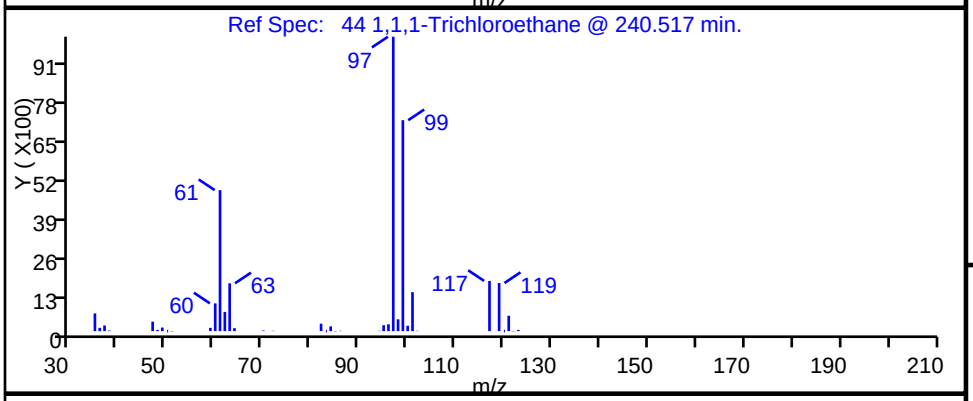
44 1,1,1-Trichloroethane, CAS: 71-55-6

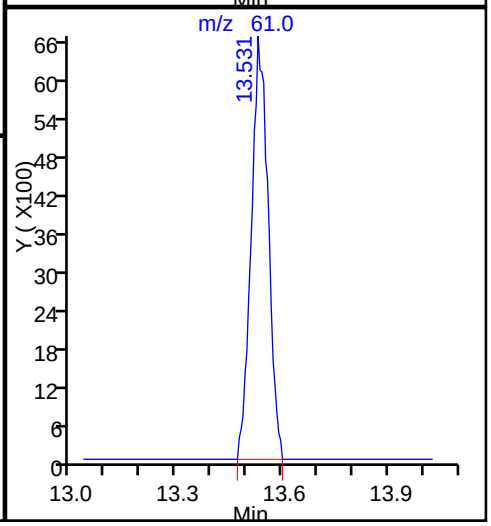


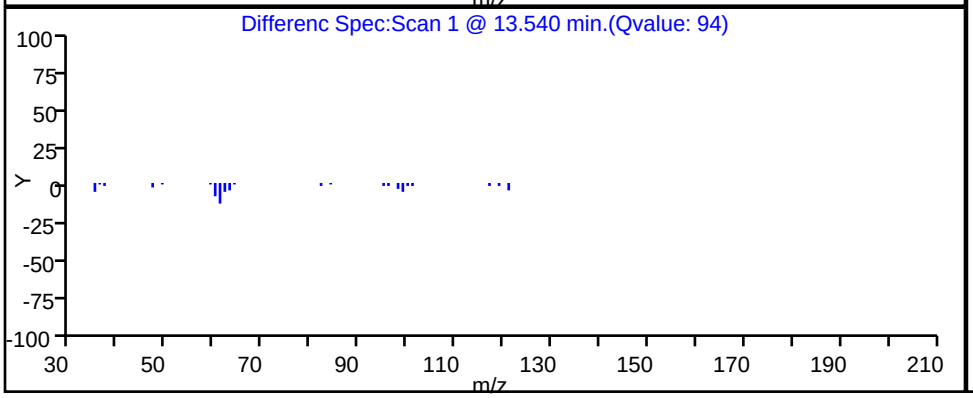








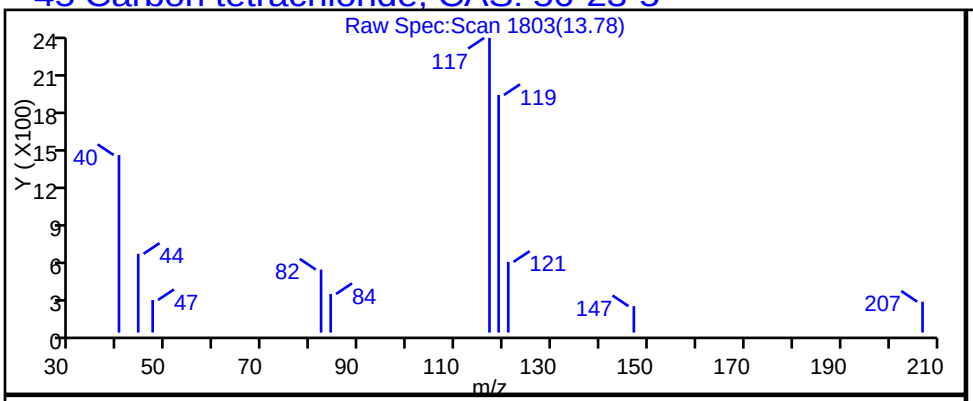


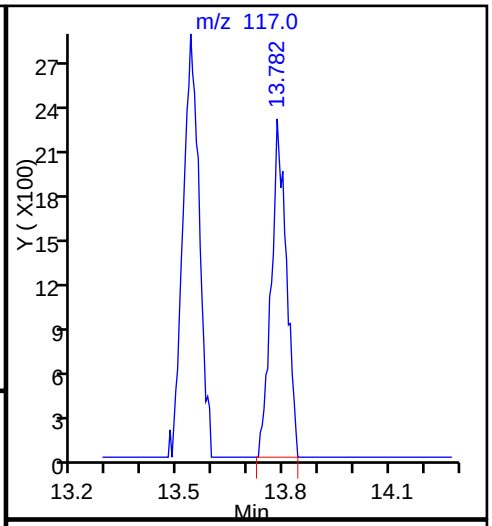


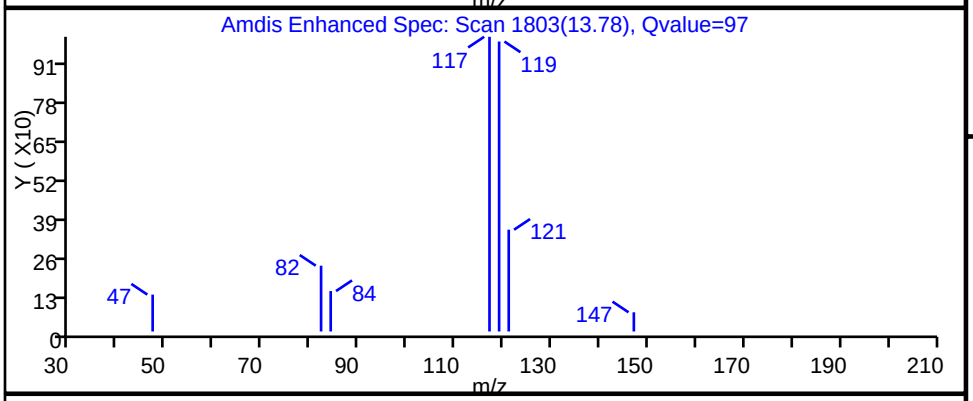
TestAmerica Burlington

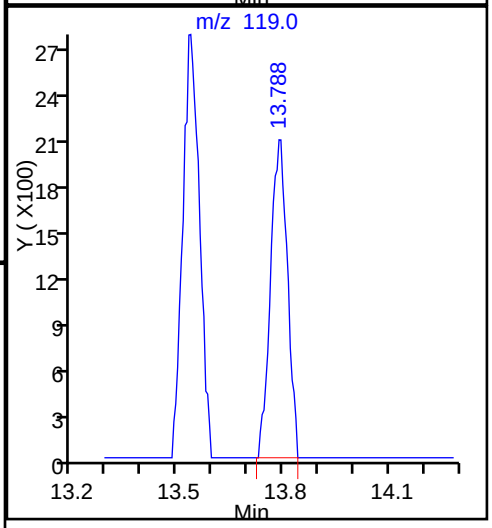
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

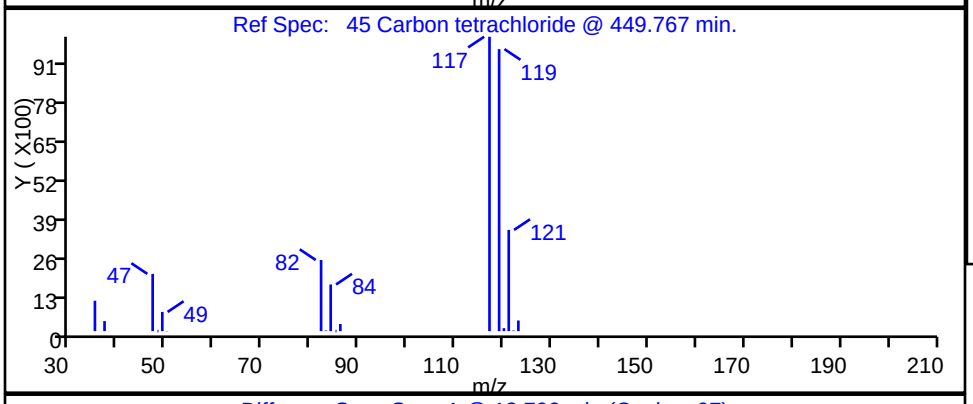
45 Carbon tetrachloride, CAS: 56-23-5

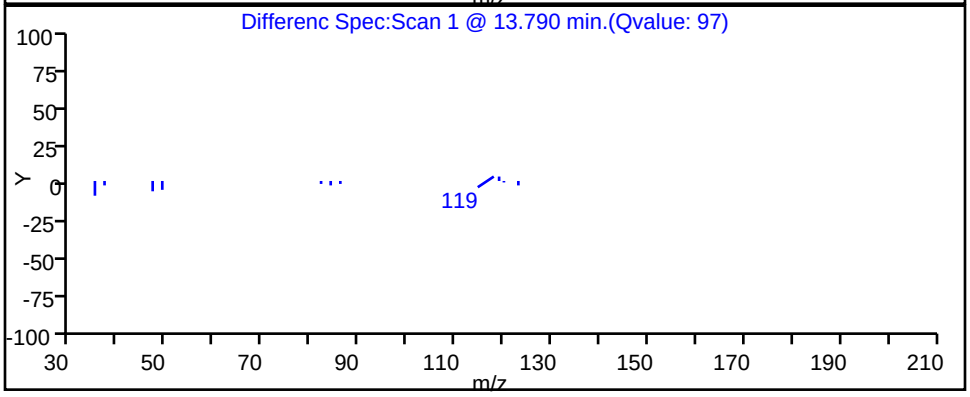








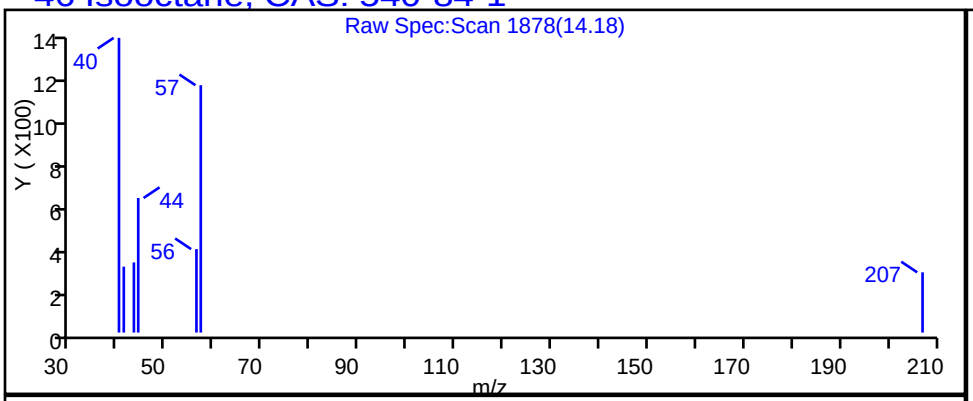


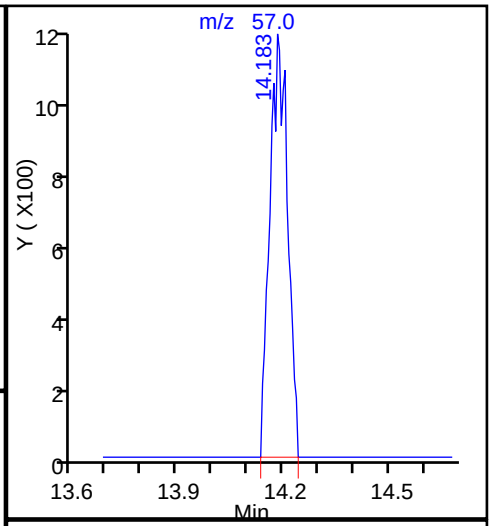


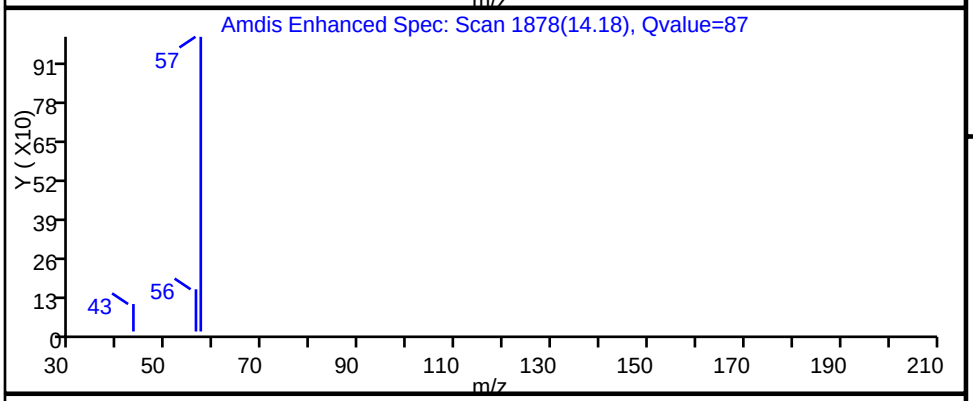
TestAmerica Burlington

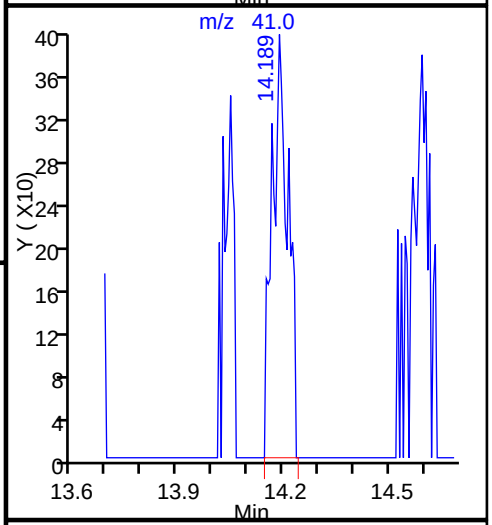
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

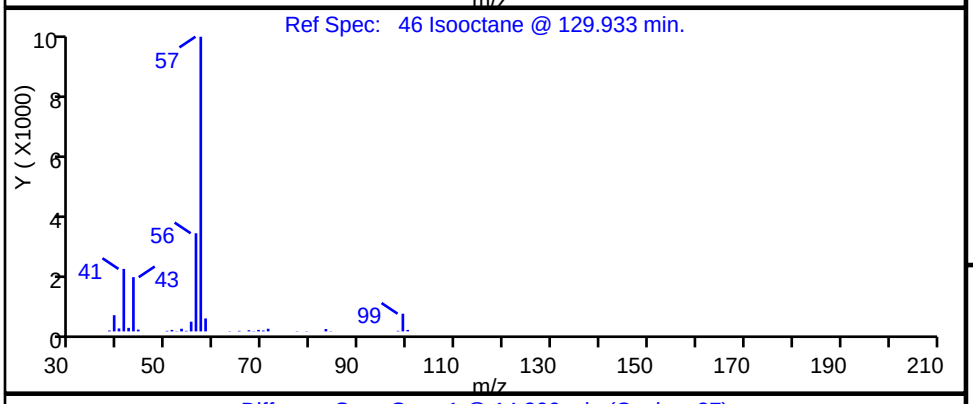
46 Isooctane, CAS: 540-84-1

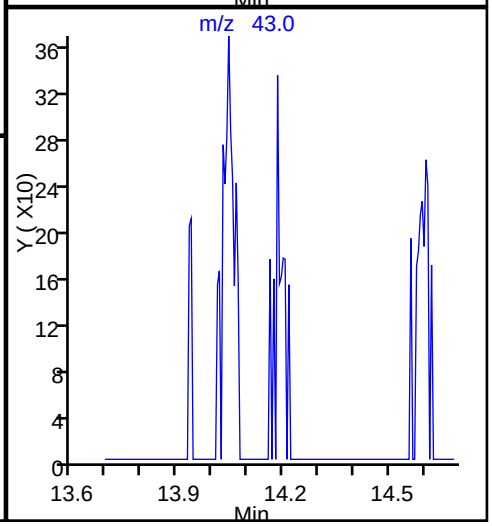


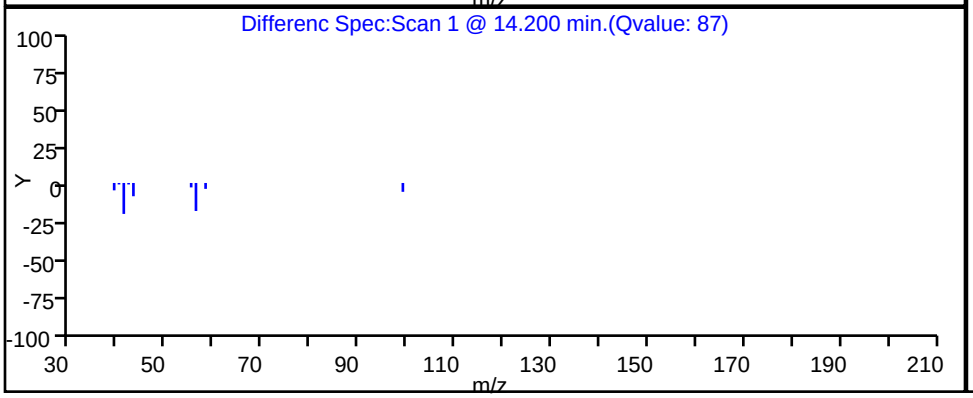








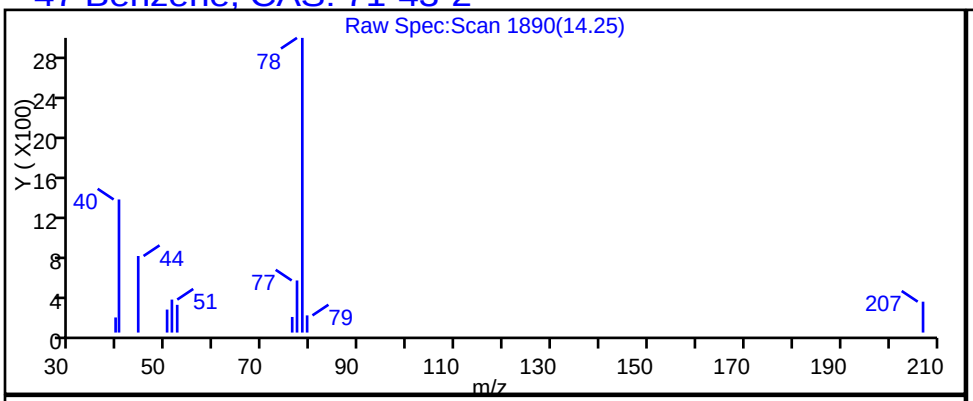


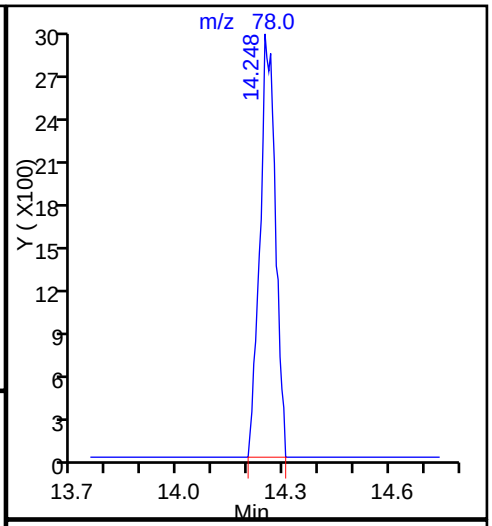


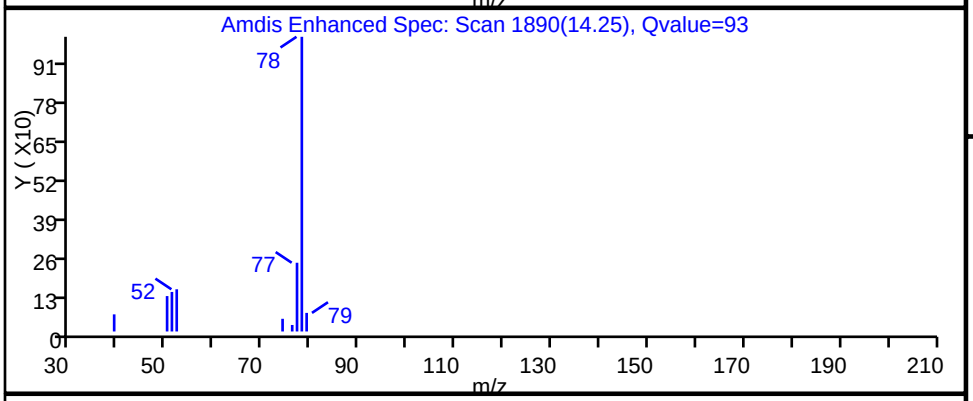
TestAmerica Burlington

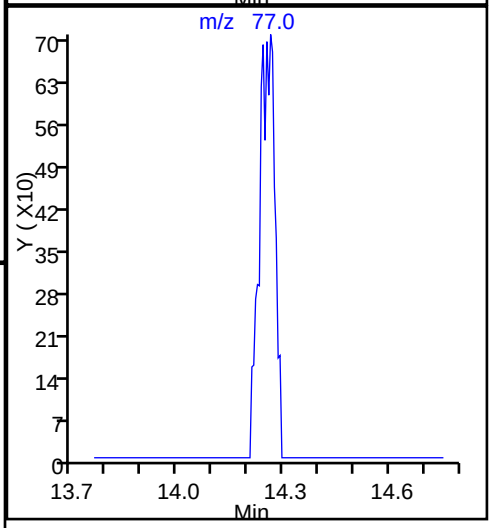
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

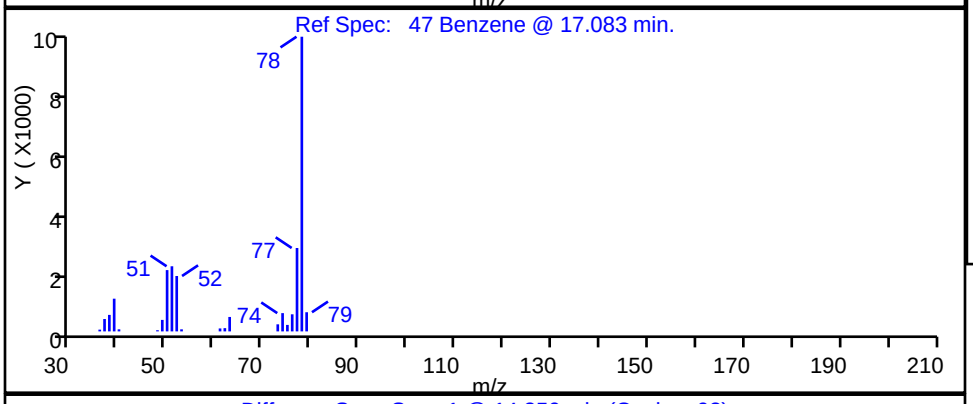
47 Benzene, CAS: 71-43-2

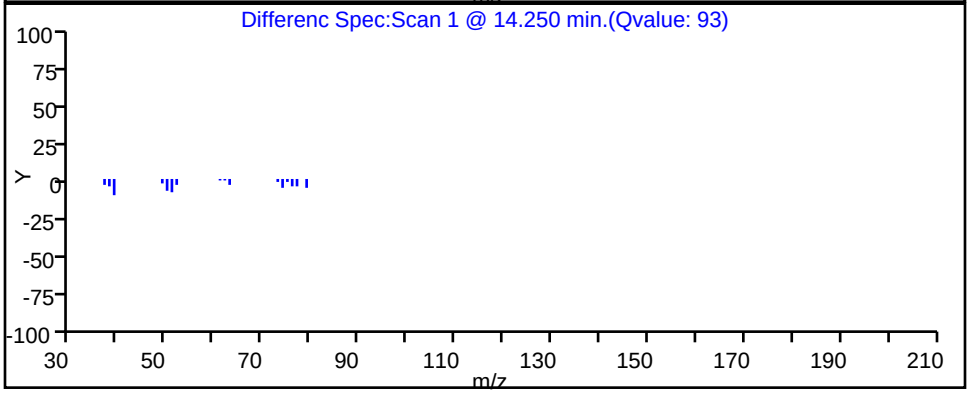






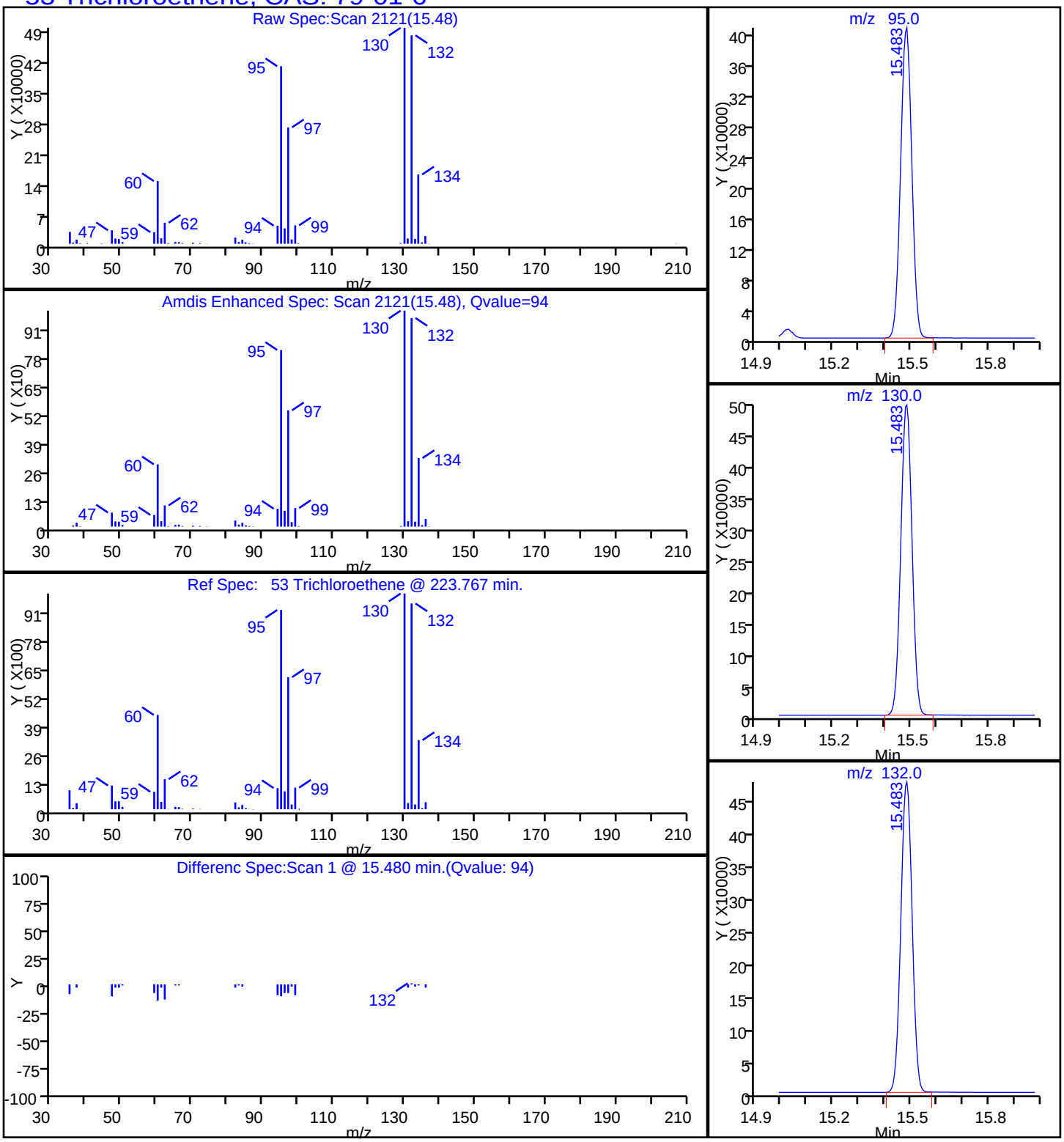






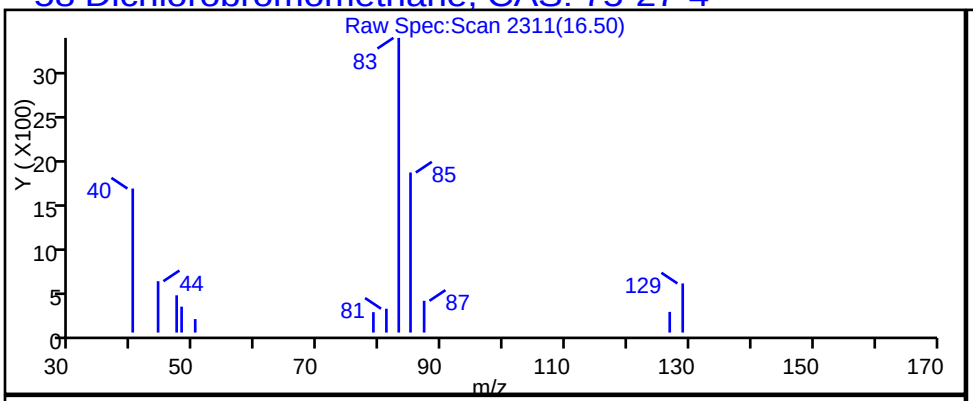
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d
Injection Date: 10-Sep-2015 21:45:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-13 Lab Sample ID: 200-29580-13
Client ID: 786VMP0202PA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

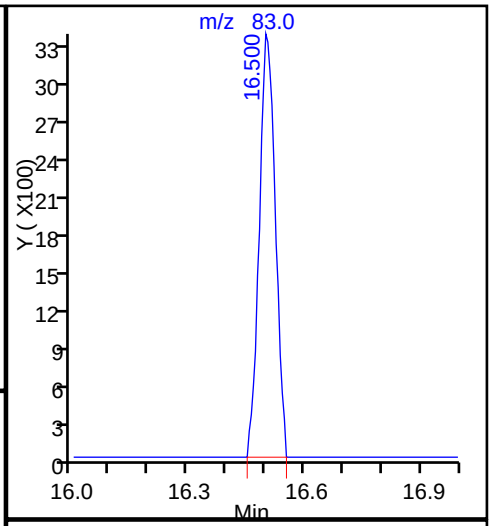
53 Trichloroethene, CAS: 79-01-6

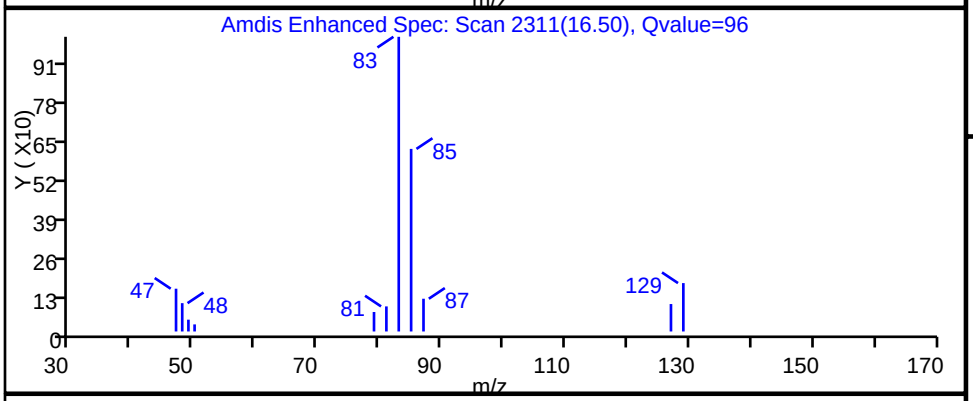


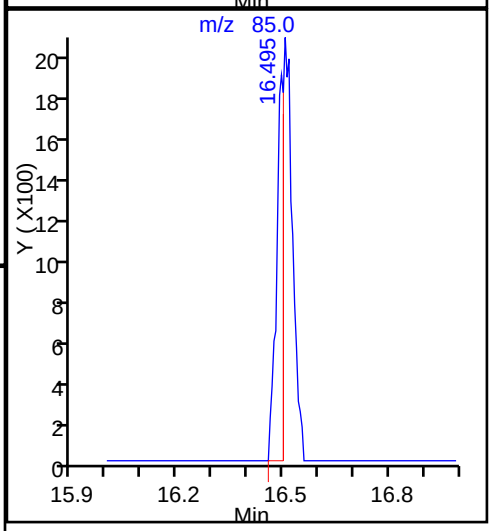
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d
Injection Date: 10-Sep-2015 21:45:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-13 Lab Sample ID: 200-29580-13
Client ID: 786VMP0202PA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

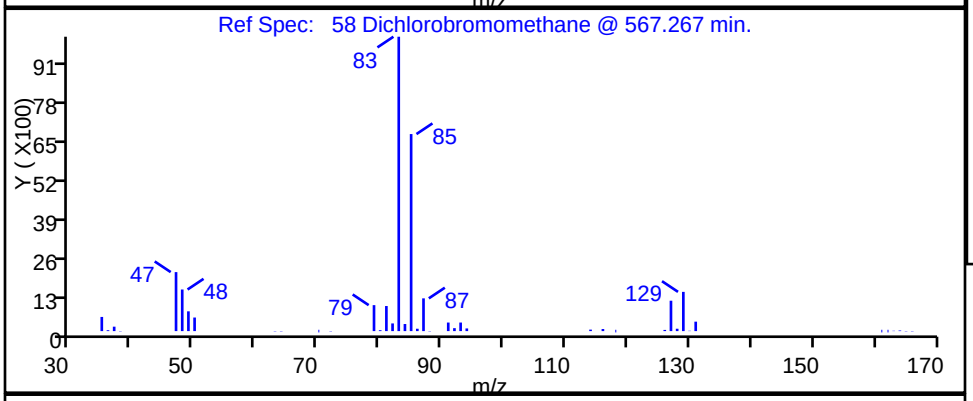
58 Dichlorobromomethane, CAS: 75-27-4

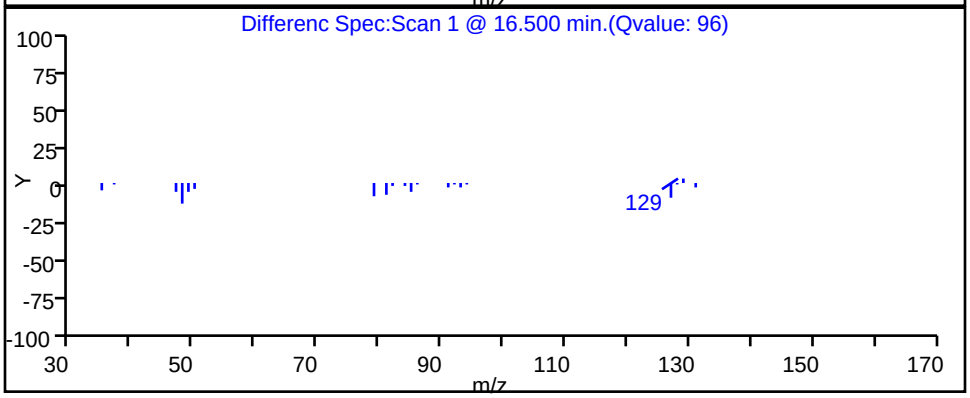








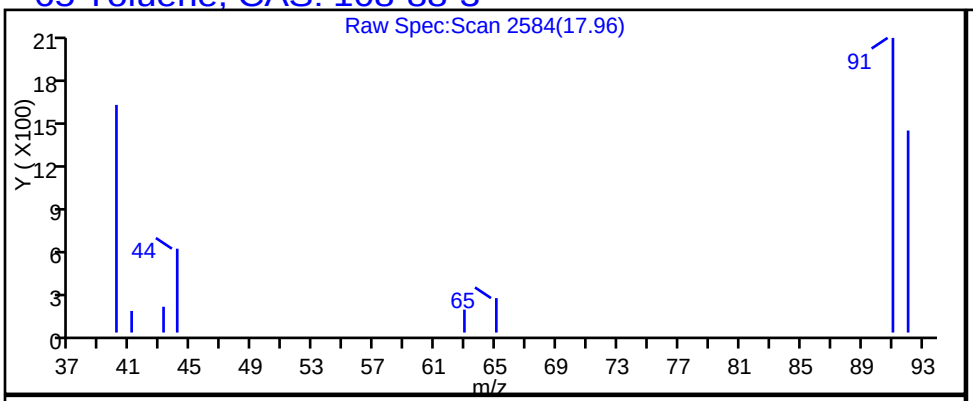


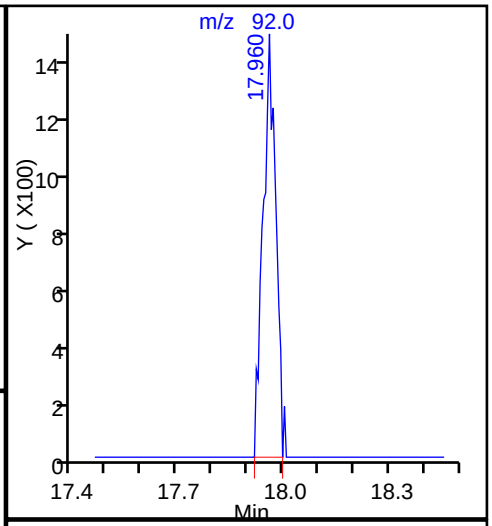


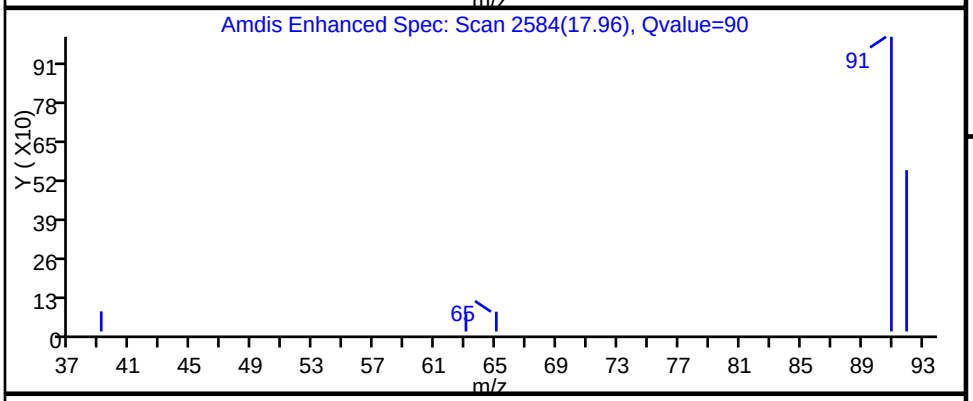
TestAmerica Burlington

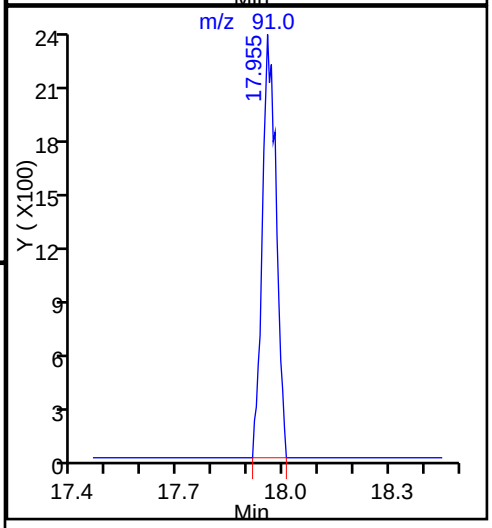
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

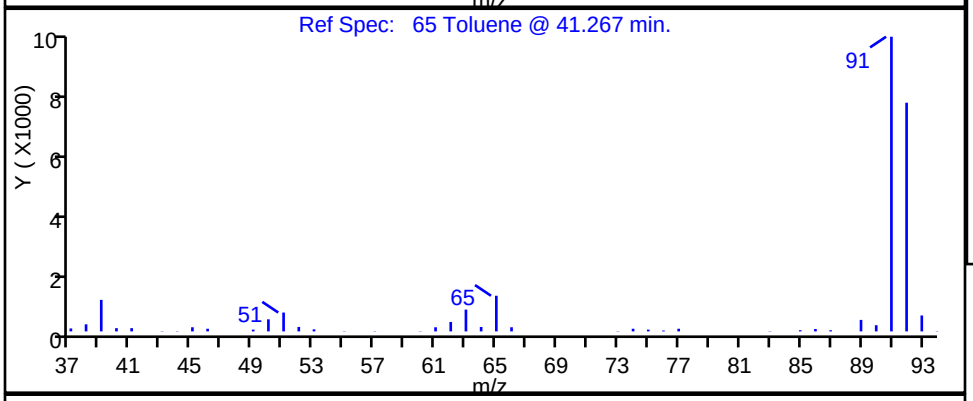
65 Toluene, CAS: 108-88-3

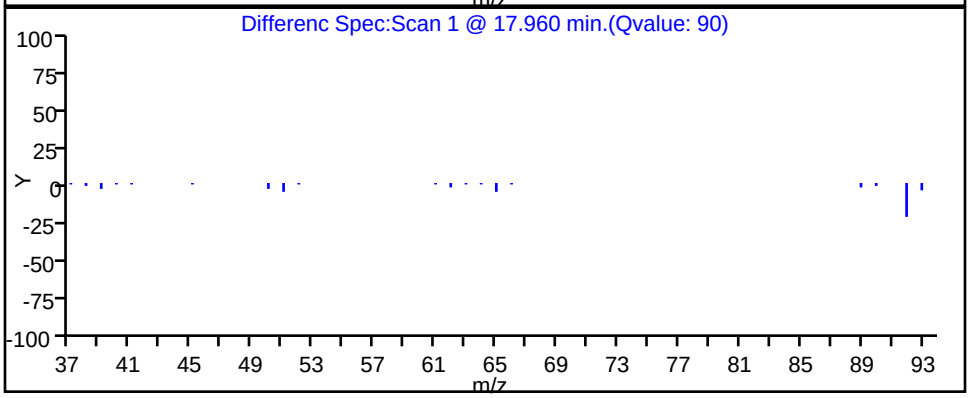








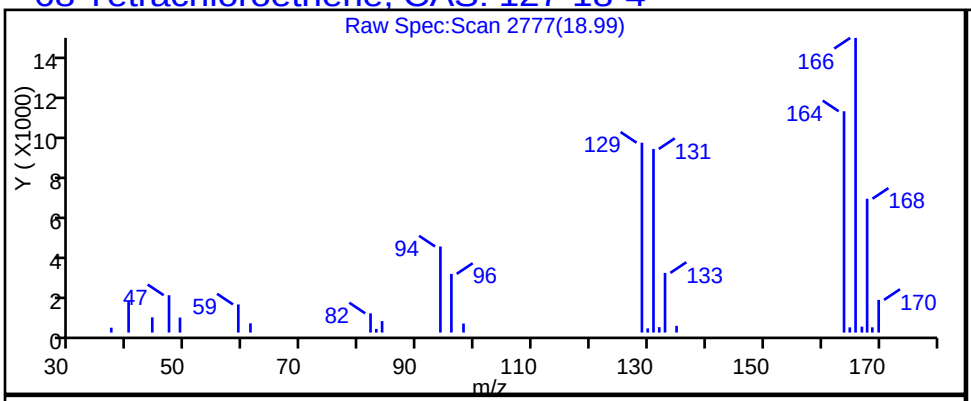


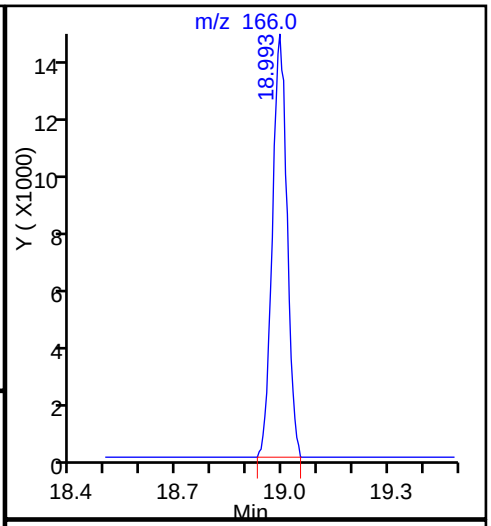


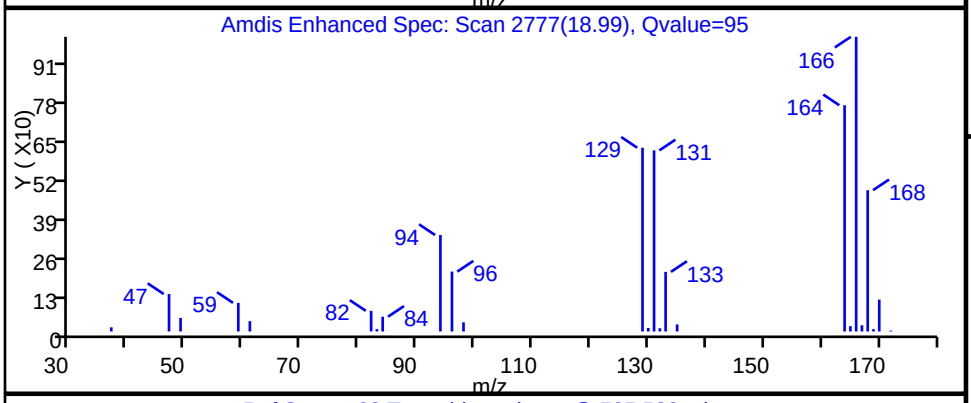
TestAmerica Burlington

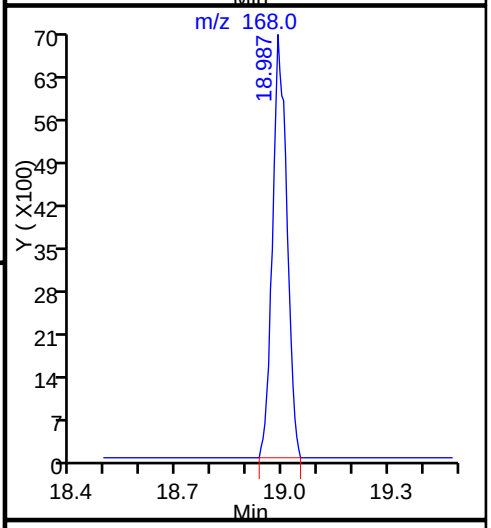
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

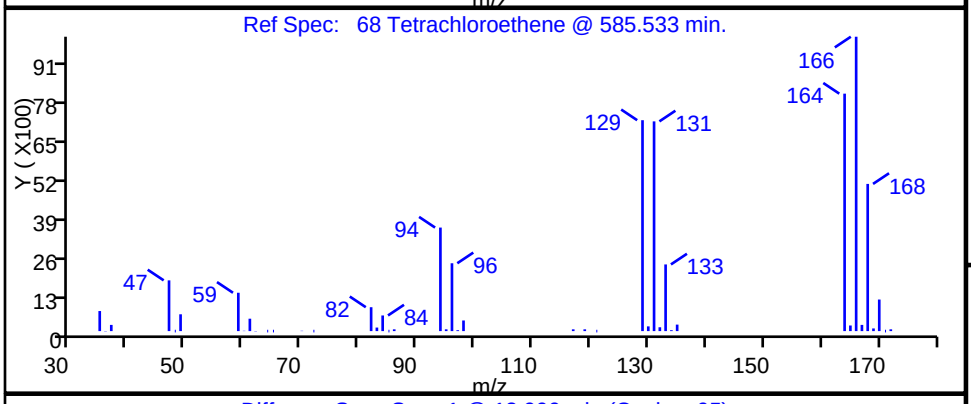
68 Tetrachloroethene, CAS: 127-18-4

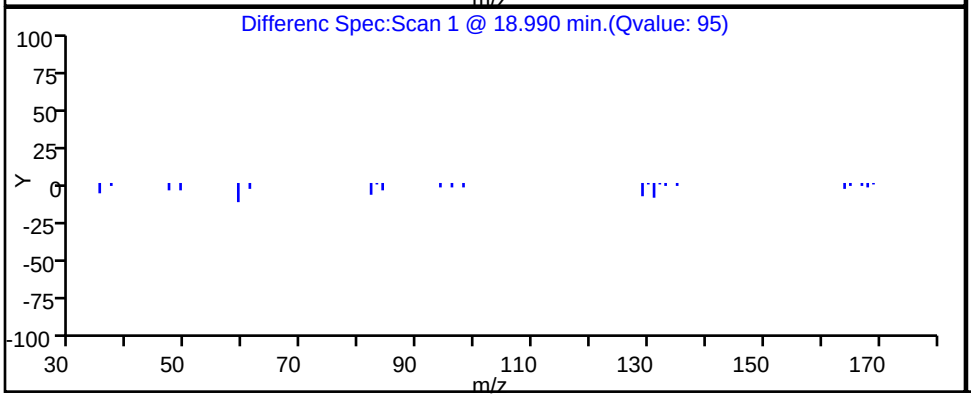


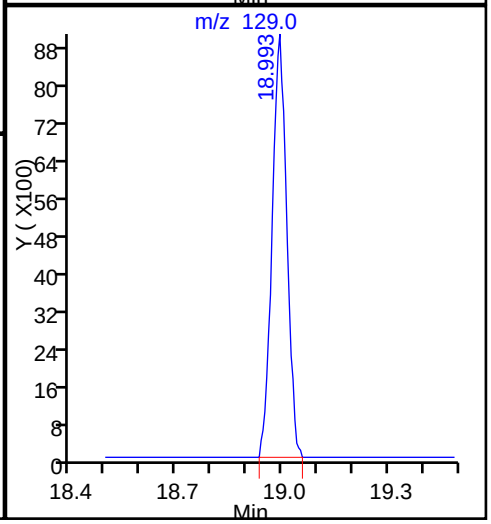












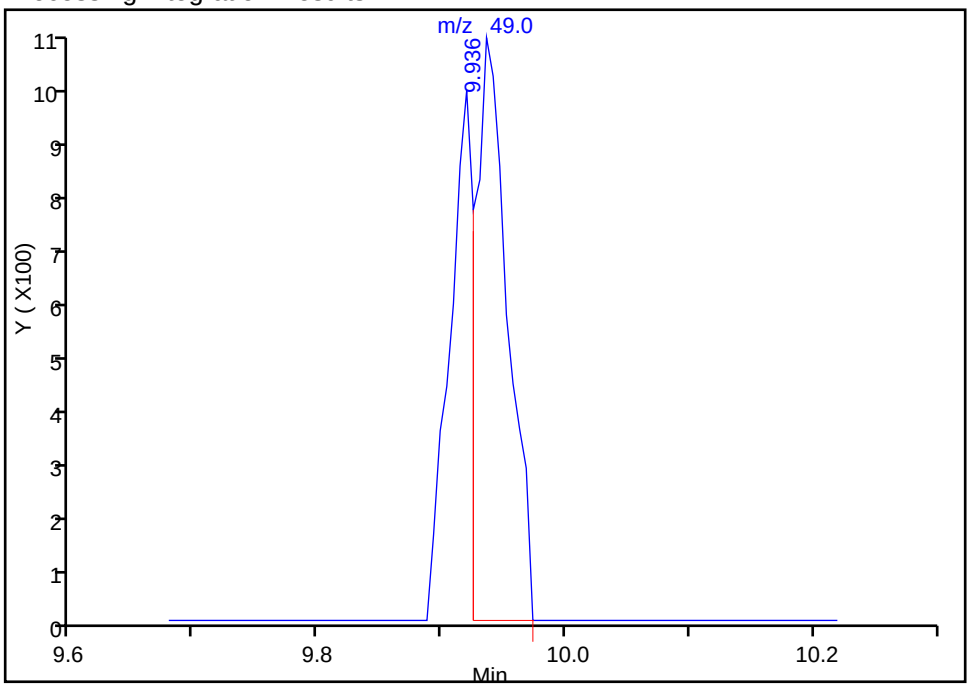
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_017.d				
Injection Date:	10-Sep-2015 21:45:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-13	Lab Sample ID:	200-29580-13		
Client ID:	786VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

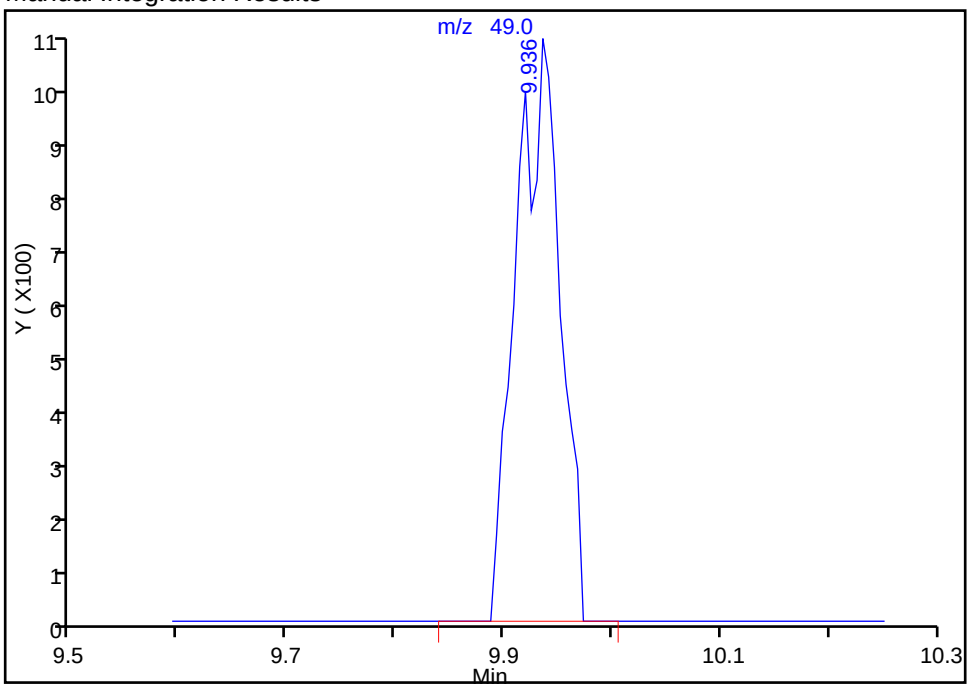
Processing Integration Results

RT: 9.94
Area: 1938
Amount: 0.071960
Amount Units: ppb v/v



Manual Integration Results

RT: 9.94
Area: 2995
Amount: 0.111208
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:32:06
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0302PA Lab Sample ID: 200-29580-14

Matrix: Air Lab File ID: 15679_018.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 22:36

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.53		0.50	0.056
75-45-6	Freon 22	86.47	0.27	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	14		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.045
76-13-1	Freon TF	187.38	0.083	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	21		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.66		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.21	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	6.7		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	8.6		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.089	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.87		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0302PA | Lab Sample ID: 200-29580-14

Matrix: Air | Lab File ID: 15679_018.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 11:05

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 22:36

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	5.3		0.20	0.037
79-01-6	Trichloroethene	131.39	3.3		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.47	J	0.50	0.18
108-88-3	Toluene	92.14	0.69		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.17	J	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.46	J	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.16	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.18	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.079	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.26	J	0.70	0.041
100-42-5	Styrene	104.15	0.039	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.021	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.036	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.048	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0302PA Lab Sample ID: 200-29580-14

Matrix: Air Lab File ID: 15679_018.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 22:36

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.043	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0302PA Lab Sample ID: 200-29580-14

Matrix: Air Lab File ID: 15679_018.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 22:36

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.28
75-45-6	Freon 22	86.47	0.94	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	33		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.25
76-13-1	Freon TF	187.38	0.63	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	50		12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	J	12	0.37
75-15-0	Carbon disulfide	76.14	2.1		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.65	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	24		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	25		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.56	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	2.8		0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0302PA | Lab Sample ID: 200-29580-14

Matrix: Air | Lab File ID: 15679_018.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 11:05

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 22:36

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	22		0.82	0.15
79-01-6	Trichloroethene	131.39	18		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	1.9	J	2.0	0.74
108-88-3	Toluene	92.14	2.6		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	1.1	J	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.9	J	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.71	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.77	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.34	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	1.1	J	3.0	0.18
100-42-5	Styrene	104.15	0.16	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.11	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.18	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.23	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0302PA Lab Sample ID: 200-29580-14

Matrix: Air Lab File ID: 15679_018.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:05

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 22:36

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.23	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Sample Type: Client
Inject. Date: 10-Sep-2015 22:36:30 ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-018
Misc. Info.: 29580-14
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:35:08 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:35:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.420	4.415	0.005	98	40221	0.5321	
3 Chlorodifluoromethane	51	4.490	4.485	0.005	97	9032	0.2653	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50		4.998				ND	
6 Butane	43	5.282	5.282	0.000	98	392672	13.7	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.288	0.005	98	20302	0.2438	
20 1,1,2-Trichloro-1,2,2-trif	101	8.604	8.593	0.011	92	5188	0.0828	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.941	8.946	-0.005	96	646267	21.2	
23 Carbon disulfide	76	9.166	9.166	0.000	98	48291	0.6619	
24 Isopropyl alcohol	45	9.230	9.224	0.006	96	13161	0.5002	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49		9.931				ND	M
28 2-Methyl-2-propanol	59	10.134	10.123	0.011	96	8938	0.2143	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.856	10.856	0.000	87	256394	6.69	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.654	12.654	0.000	96	132017	8.58	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	79	234638	10.0	
41 Tetrahydrofuran	42		13.114				ND	
42 Chloroform	83		13.221				ND	
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97		13.536				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	45 Carbon tetrachloride	117	13.782	13.788	-0.006	94	6153	0.0892	
	46 Isooctane	57		14.189				ND	
	47 Benzene	78	14.253	14.259	-0.005	93	83906	0.8651	
	48 1,2-Dichloroethane	62		14.424				ND	
	49 n-Heptane	43	14.537	14.537	0.000	85	209347	5.28	
*	50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1127351	10.0	
	53 Trichloroethene	95	15.484	15.484	0.000	94	149790	3.29	
	54 1,2-Dichloropropane	63		16.024				ND	
	55 Methyl methacrylate	69		16.104				ND	
	56 1,4-Dioxane	88		16.200				ND	
	58 Dichlorobromomethane	83		16.505				ND	
	60 cis-1,3-Dichloropropene	75		17.383				ND	
	61 4-Methyl-2-pentanone (MIBK	43	17.629	17.629	0.000	92	23456	0.4685	
	65 Toluene	92	17.966	17.960	0.006	92	53947	0.6853	
	66 trans-1,3-Dichloropropene	75		18.495				ND	
	67 1,1,2-Trichloroethane	83		18.865				ND	
	68 Tetrachloroethene	166	18.993	18.993	0.000	94	14190	0.1663	
	69 2-Hexanone	43	19.266	19.266	0.000	98	22986	0.4558	
	71 Chlorodibromomethane	129		19.624				ND	
	72 Ethylene Dibromide	107		19.918				ND	
S	73 Xylenes, Total	106				0		0.2564	
*	74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1091706	10.0	
	75 Chlorobenzene	112		20.790				ND	
	76 Ethylbenzene	91	20.903	20.903	0.000	95	27943	0.1633	
	78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	99	12592	0.1777	
	79 o-Xylene	106	21.807	21.807	0.000	71	5759	0.0788	
	80 Styrene	104	21.844	21.839	0.005	42	4327	0.0387	
	81 Bromoform	173		22.208				ND	
	82 Isopropylbenzene	105	22.347	22.353	-0.006	95	4467	0.0214	
	84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
	85 N-Propylbenzene	91	22.973	22.979	-0.006	99	8650	0.0361	
	88 4-Ethyltoluene	105	23.139	23.144	-0.005	89	3763	0.0176	
	89 2-Chlorotoluene	91		23.176				ND	
	90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	93	3067	0.0169	
	92 tert-Butylbenzene	119		23.722				ND	
	93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	8735	0.0475	
	94 sec-Butylbenzene	105		24.065				ND	
	95 4-Isopropyltoluene	119		24.268				ND	
	96 1,3-Dichlorobenzene	146		24.337				ND	
	97 1,4-Dichlorobenzene	146		24.487				ND	
	98 Benzyl chloride	91		24.706				ND	
	100 n-Butylbenzene	91		24.926				ND	
	101 1,2-Dichlorobenzene	146		25.113				ND	
	103 1,2,4-Trichlorobenzene	180		28.141				ND	
	104 Hexachlorobutadiene	225		28.355				ND	
	105 Naphthalene	128	28.778	28.772	0.006	98	9622	0.0432	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

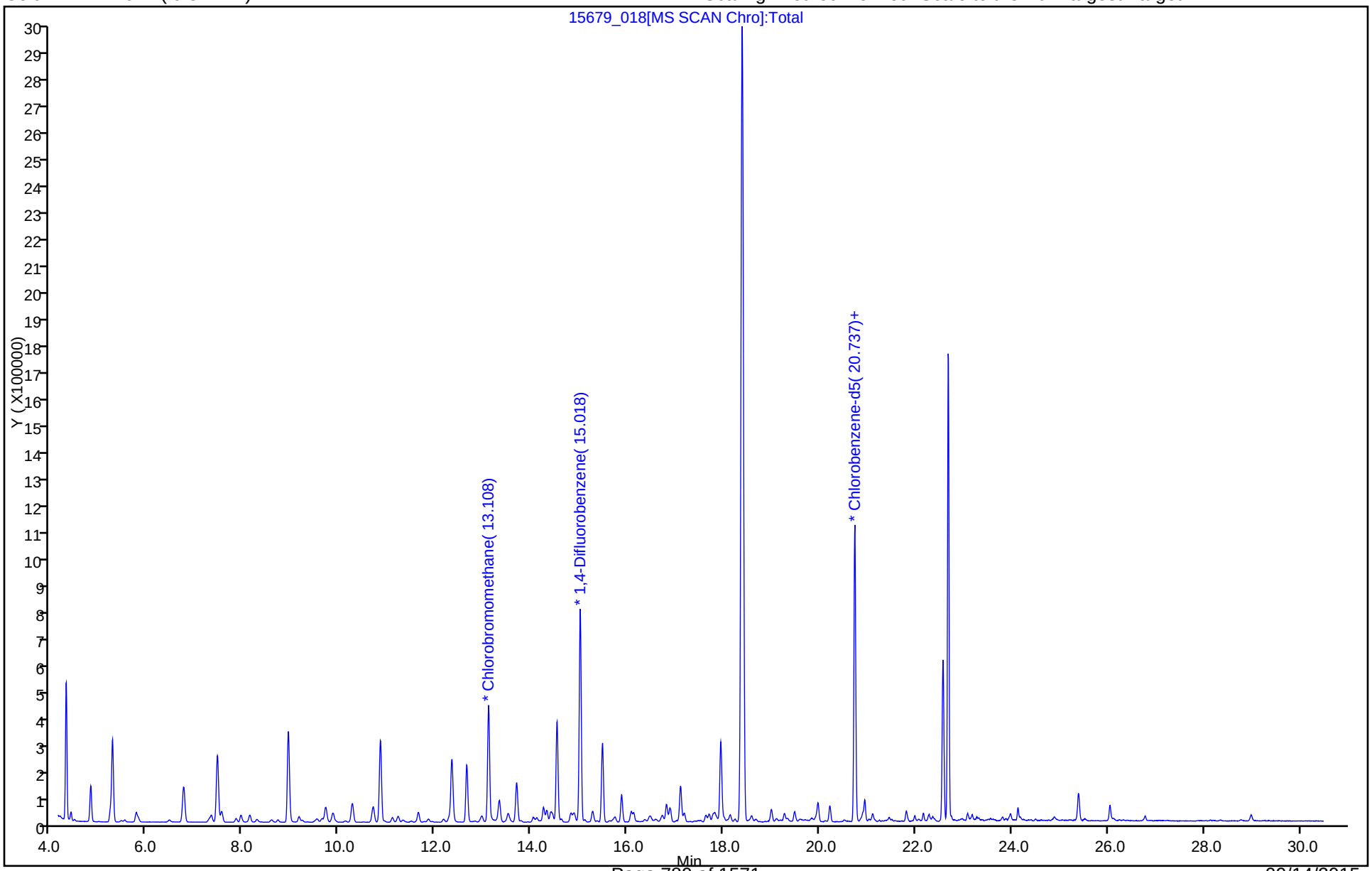
Report Date: 11-Sep-2015 11:35:09 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d

Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14	Worklist Smp#:	18
Client ID:	786VMP0302PA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

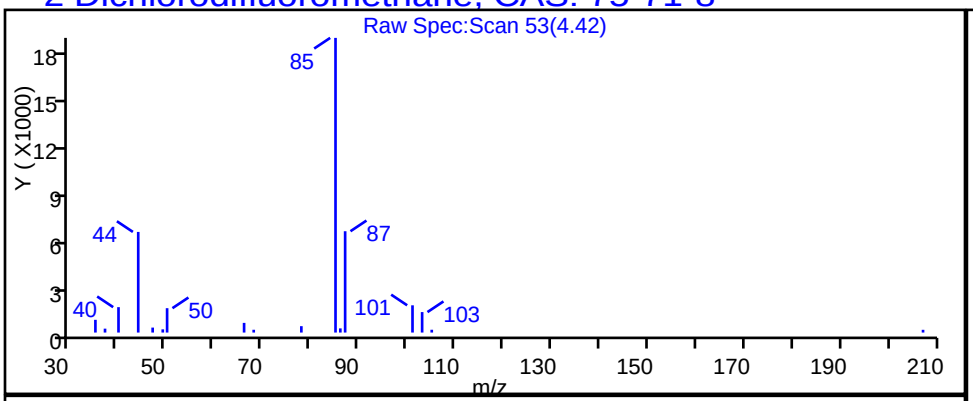
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

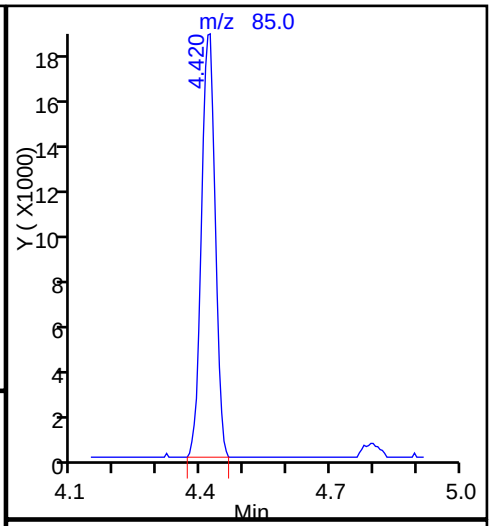


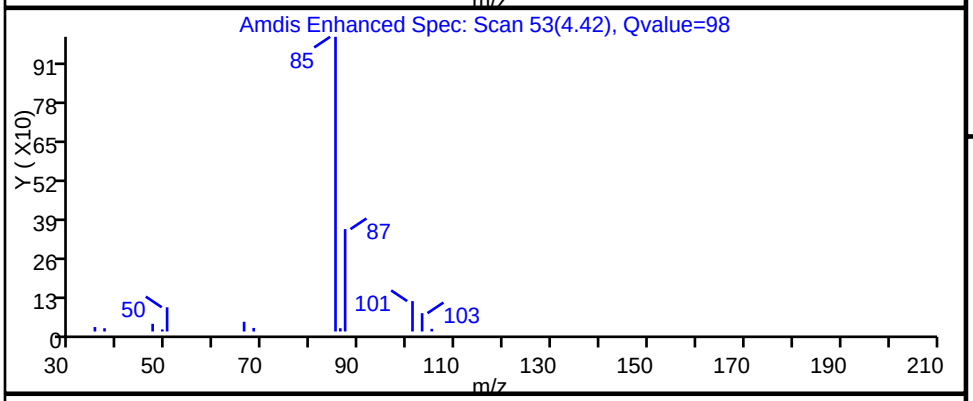
TestAmerica Burlington

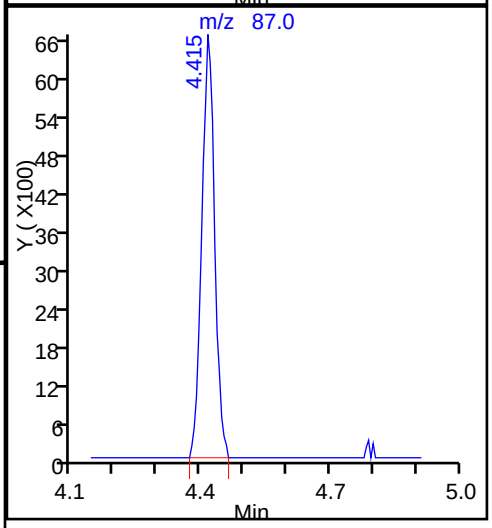
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

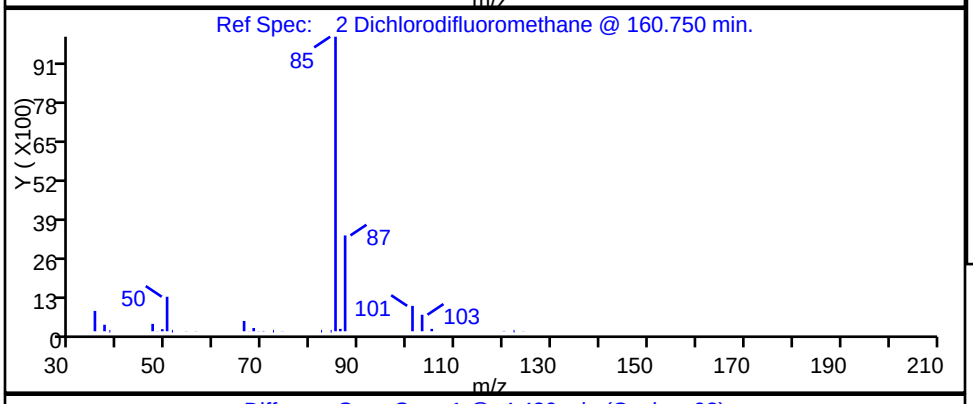
2 Dichlorodifluoromethane, CAS: 75-71-8

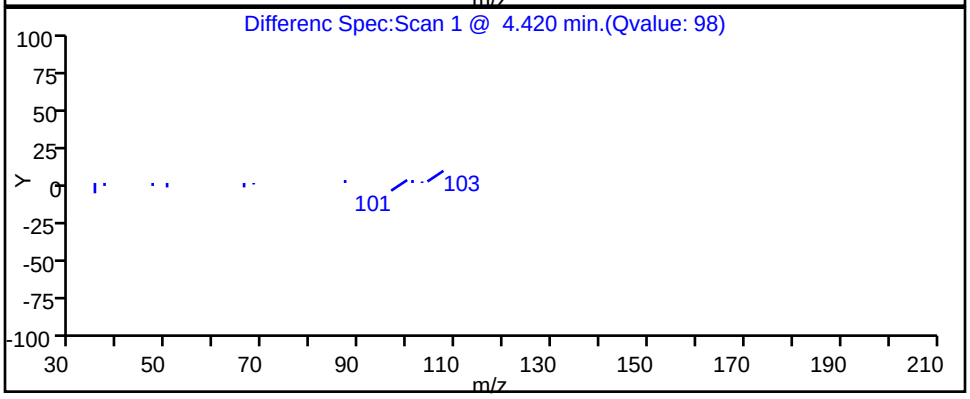






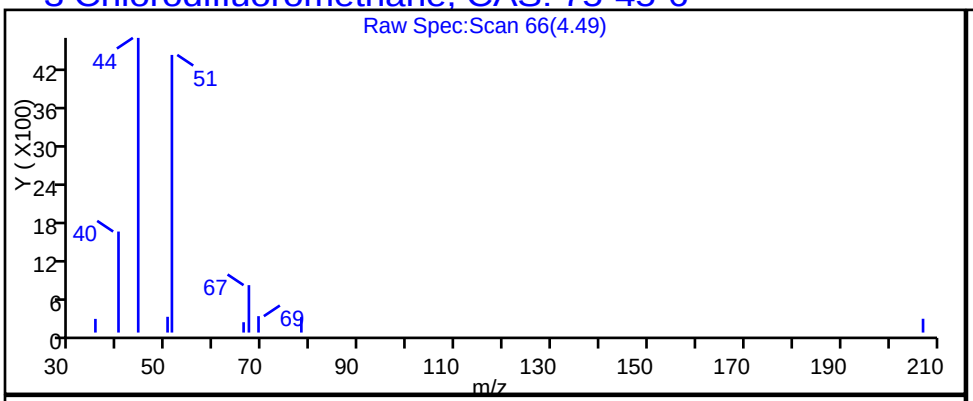


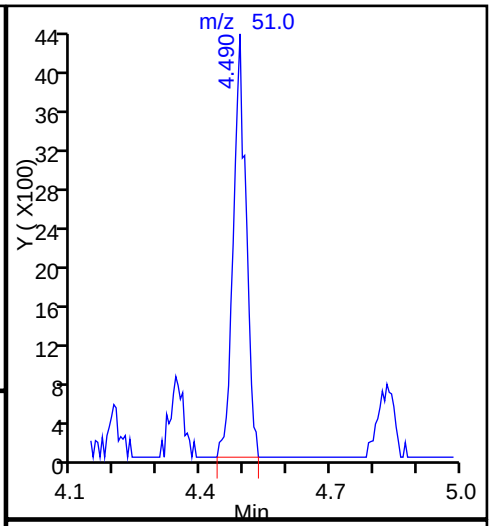


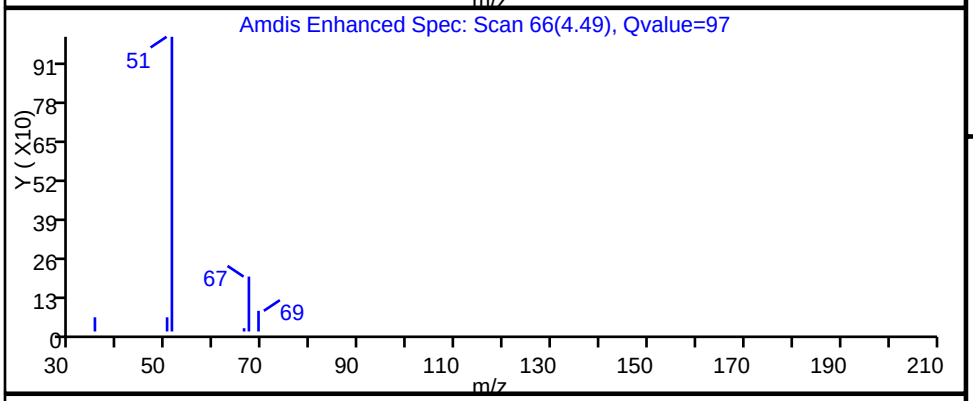


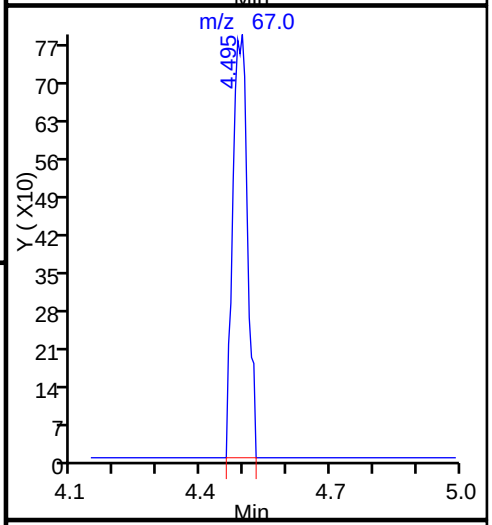
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

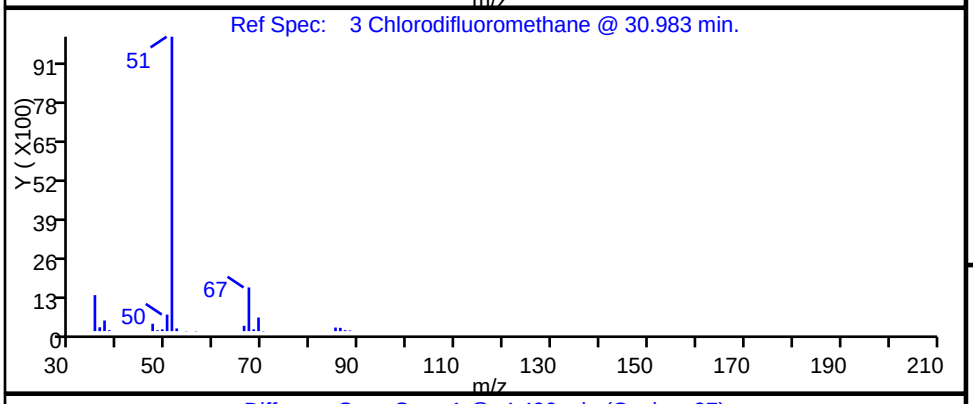
3 Chlorodifluoromethane, CAS: 75-45-6

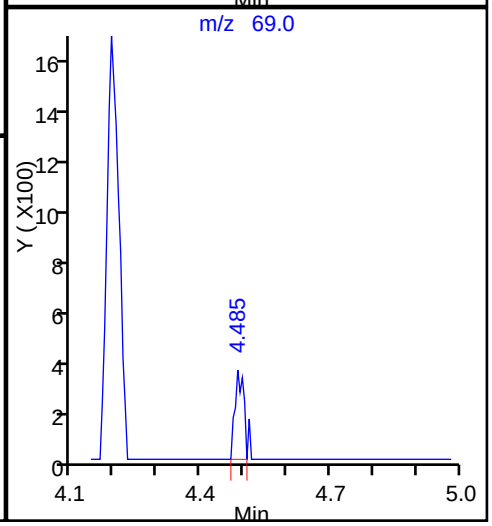


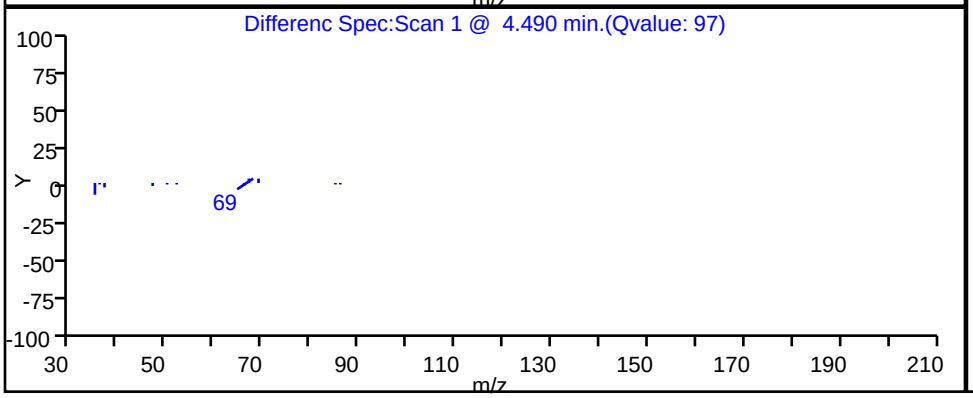






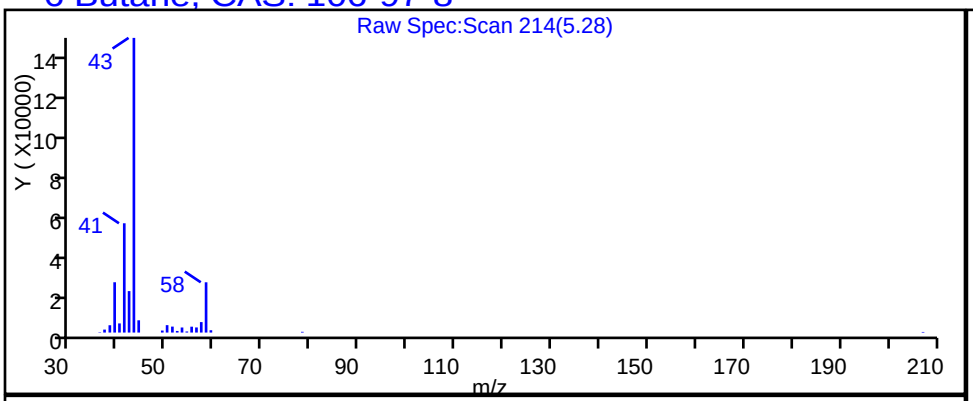


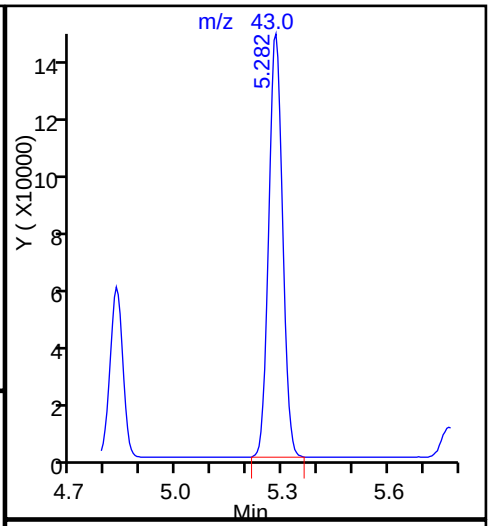


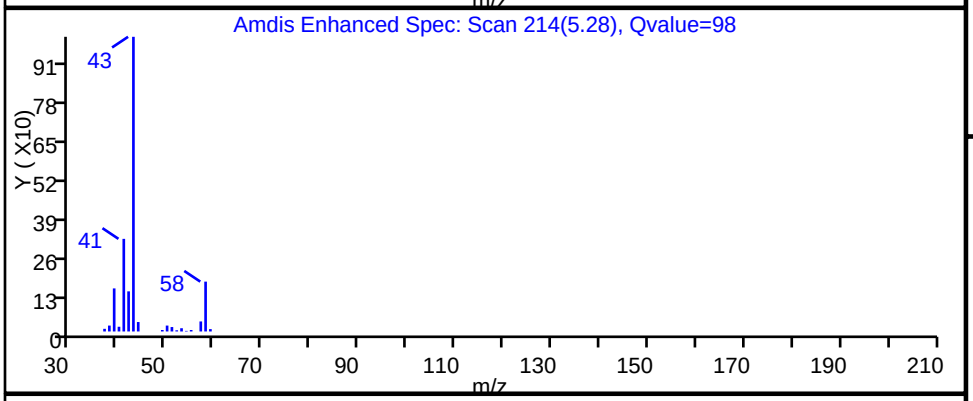


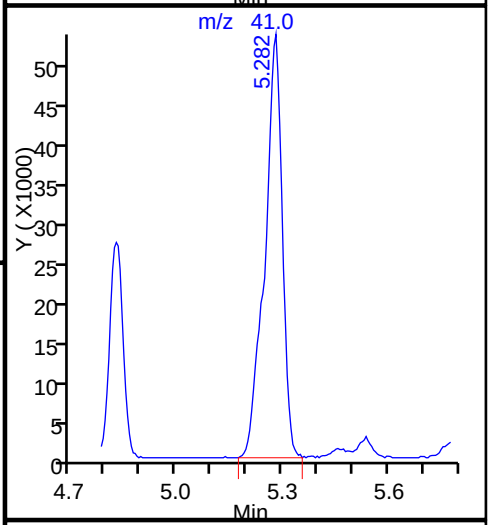
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

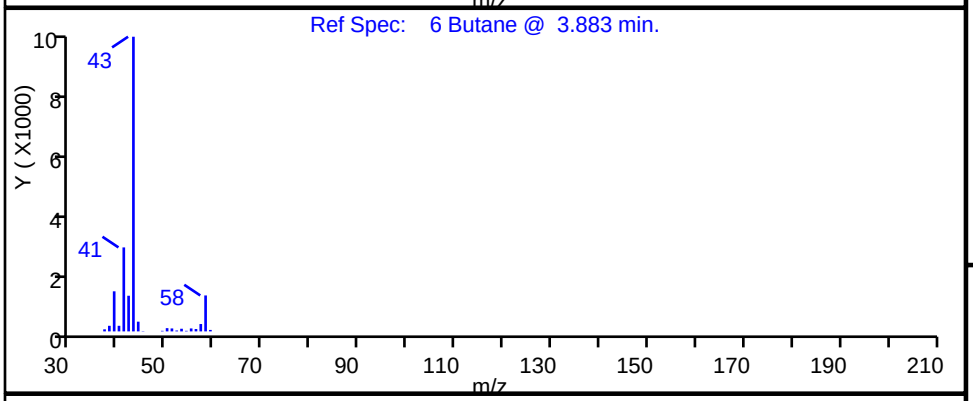
6 Butane, CAS: 106-97-8

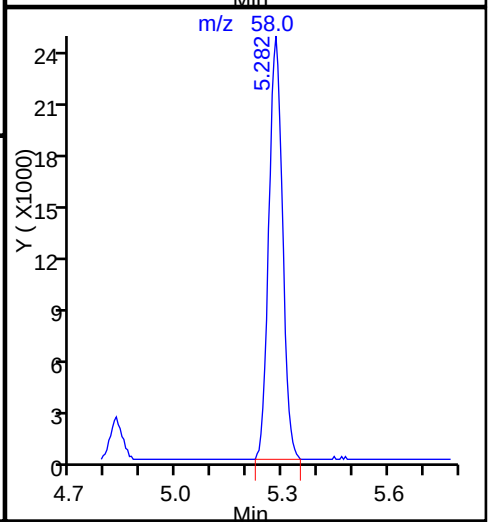


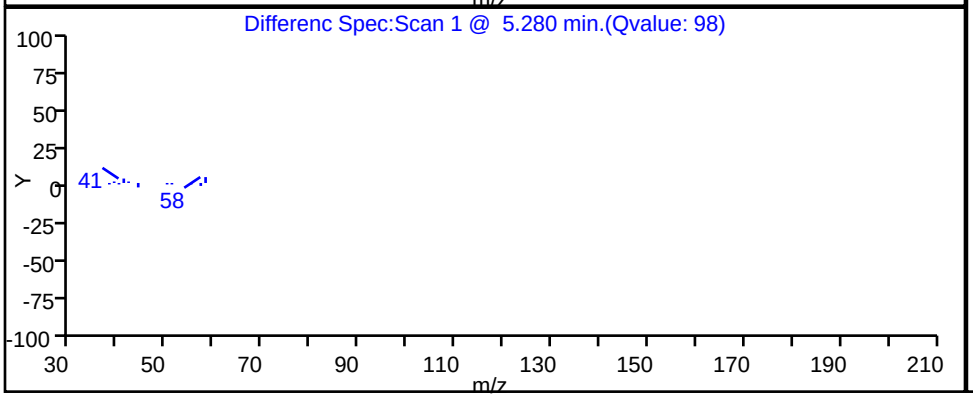








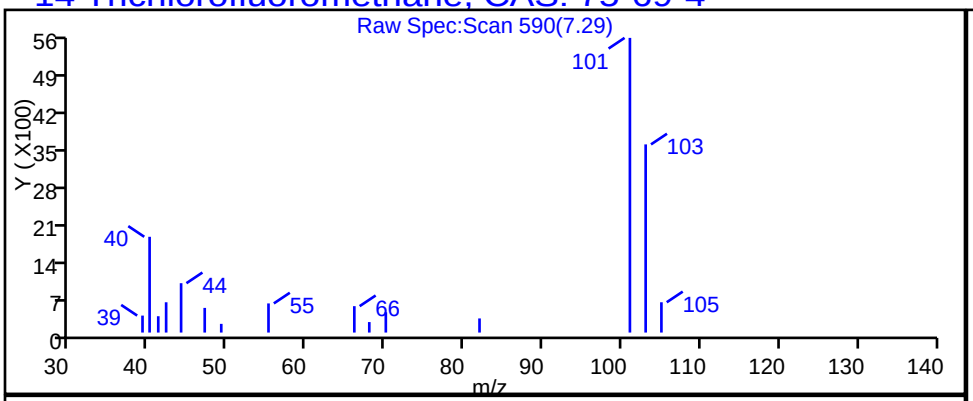


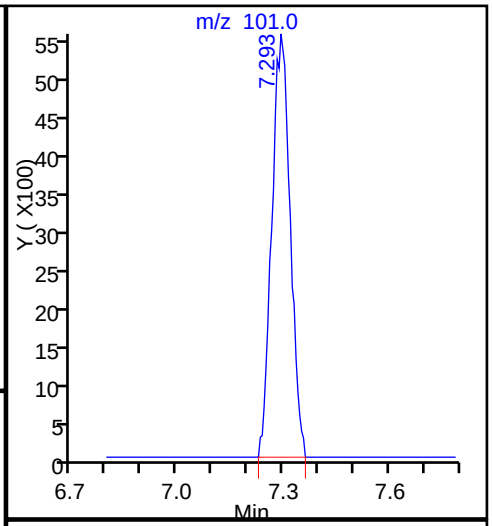


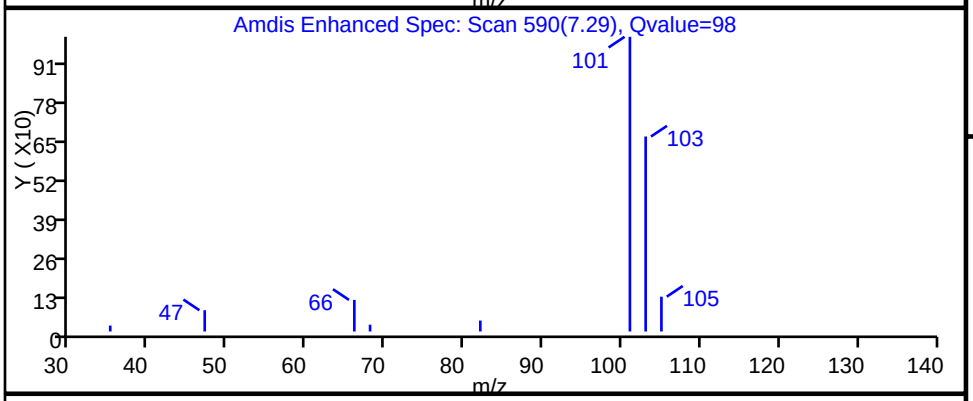
TestAmerica Burlington

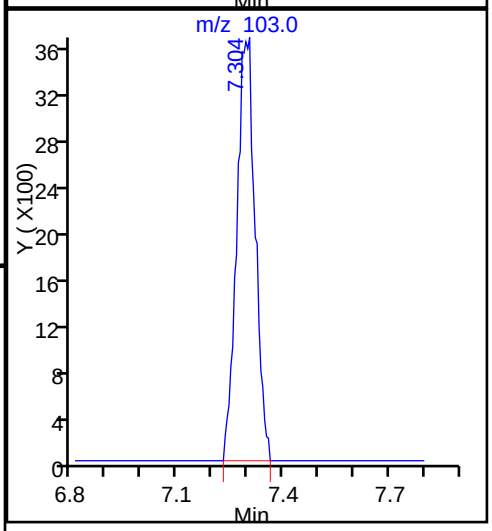
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

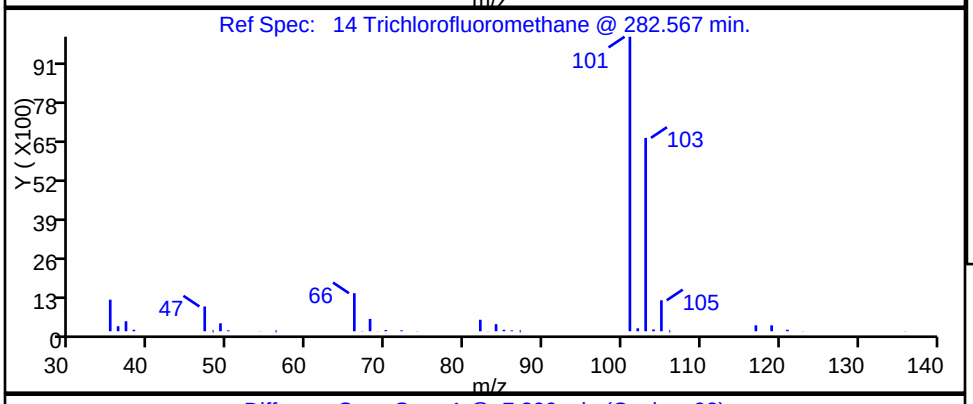
14 Trichlorofluoromethane, CAS: 75-69-4

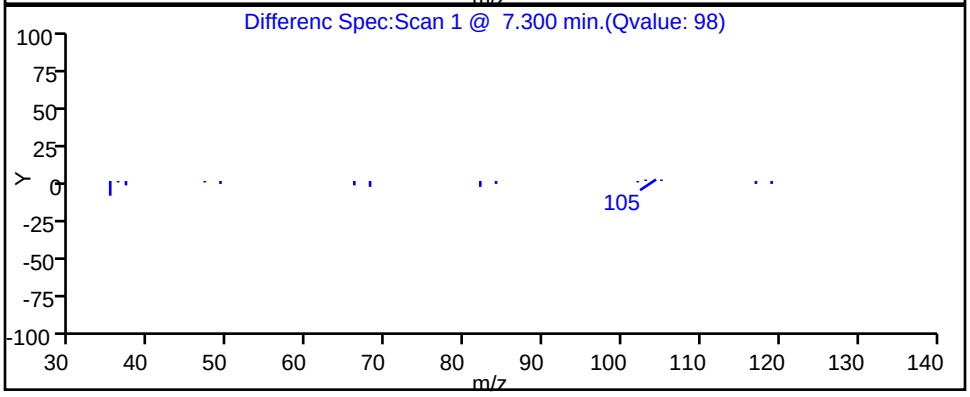








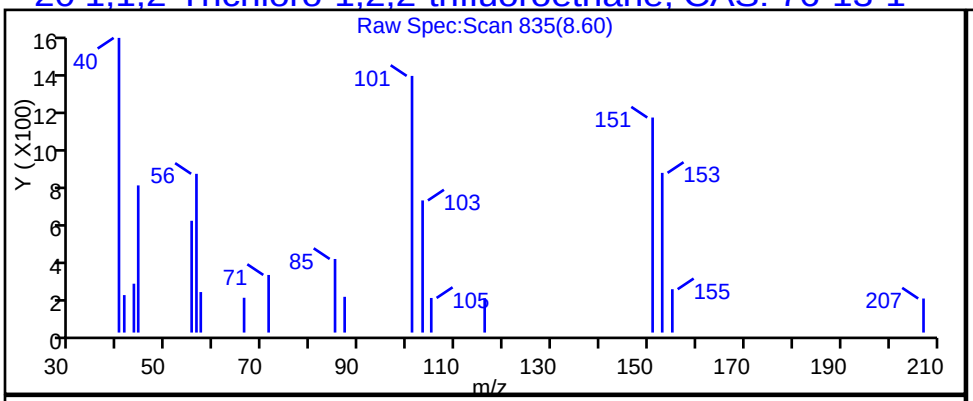


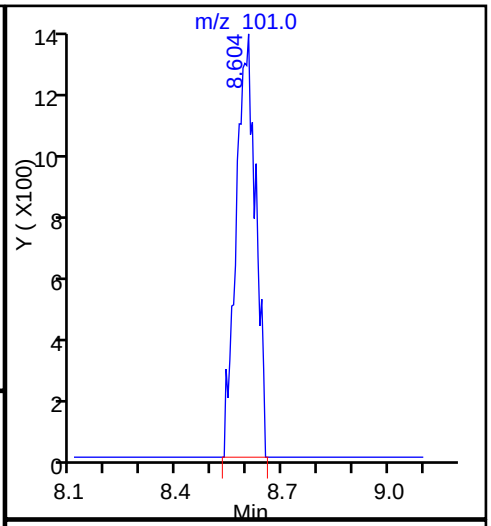


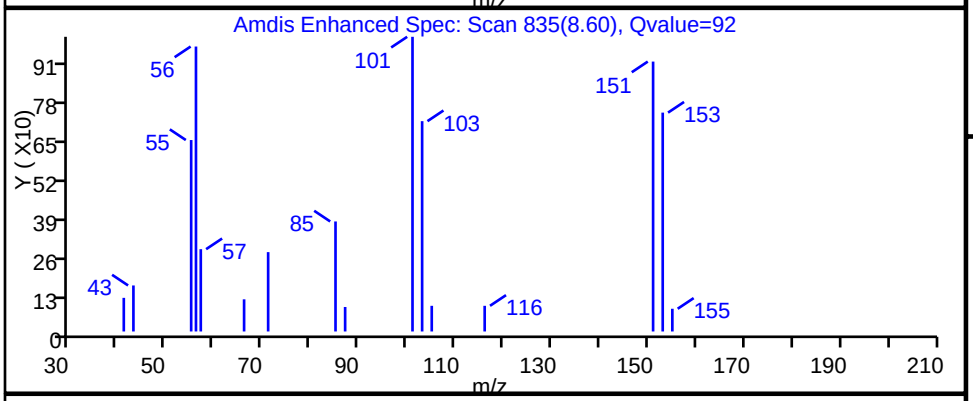
TestAmerica Burlington

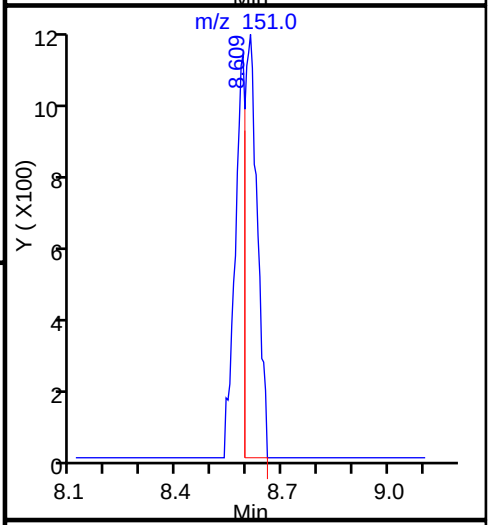
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

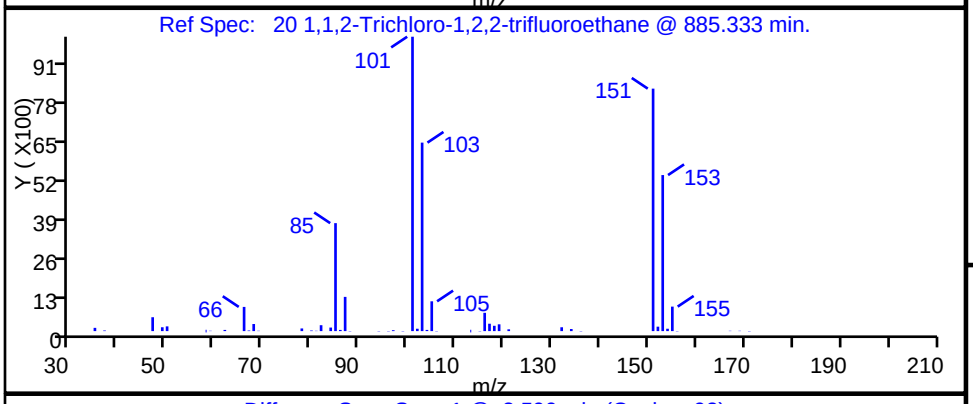
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

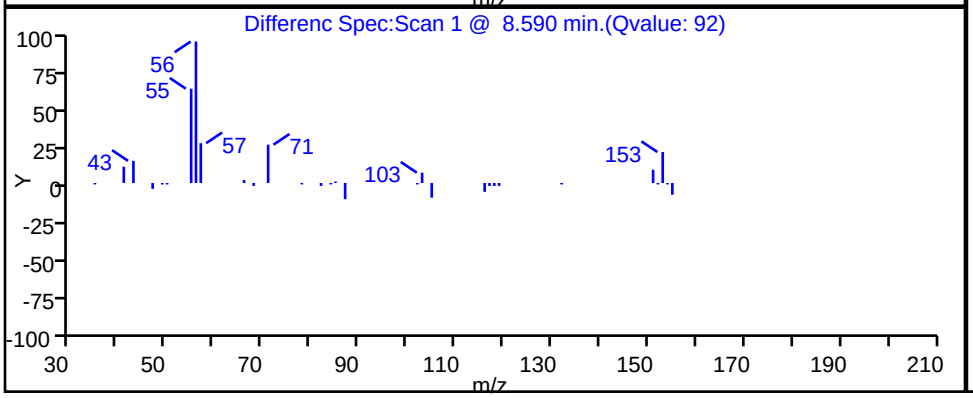


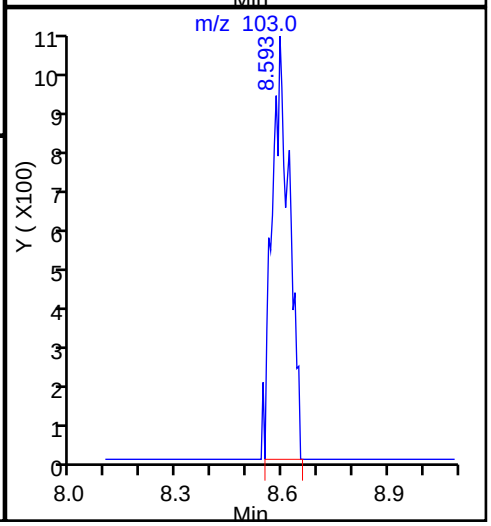






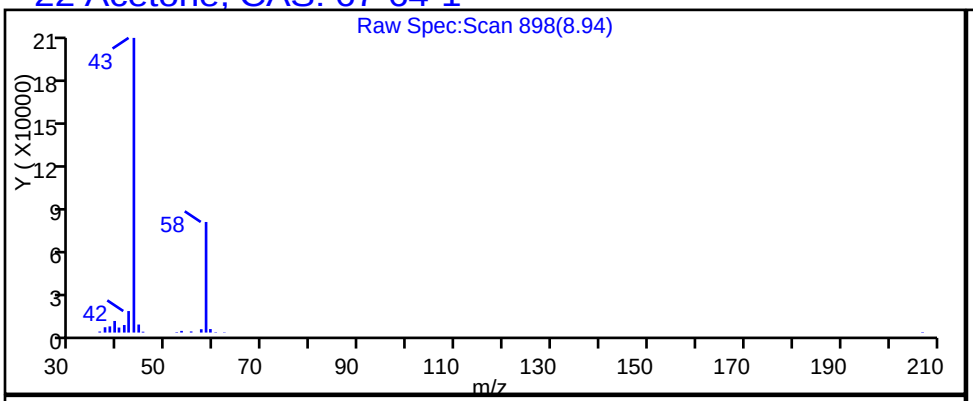


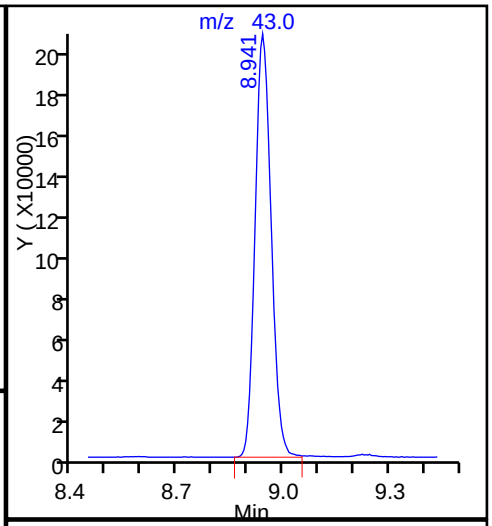


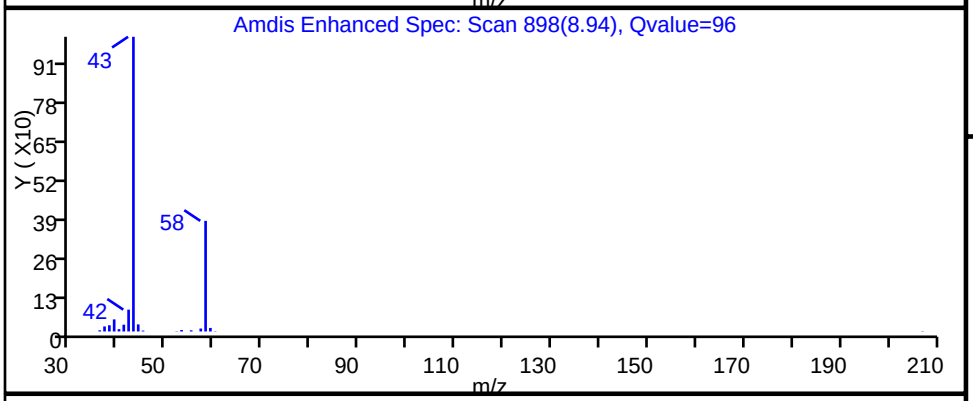


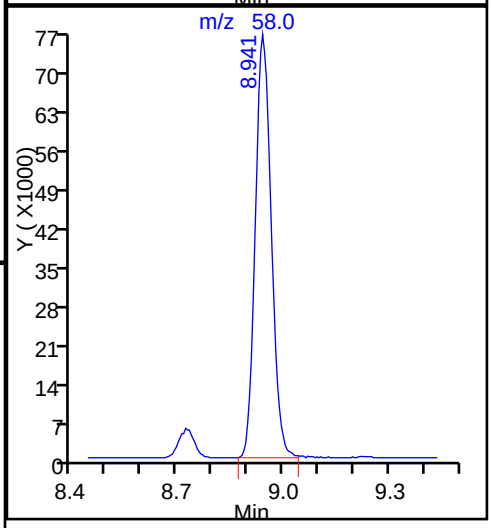
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

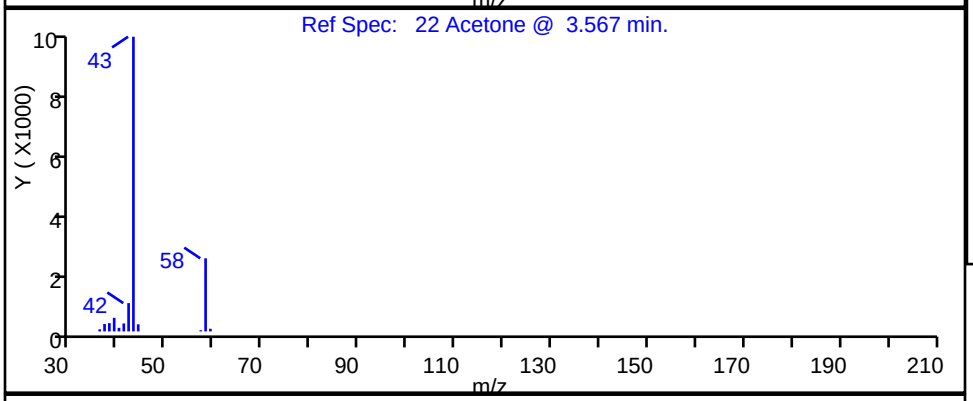
22 Acetone, CAS: 67-64-1

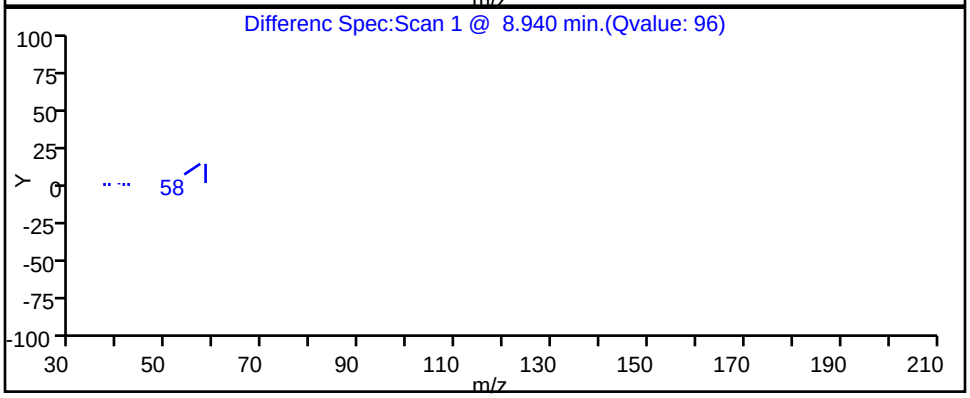






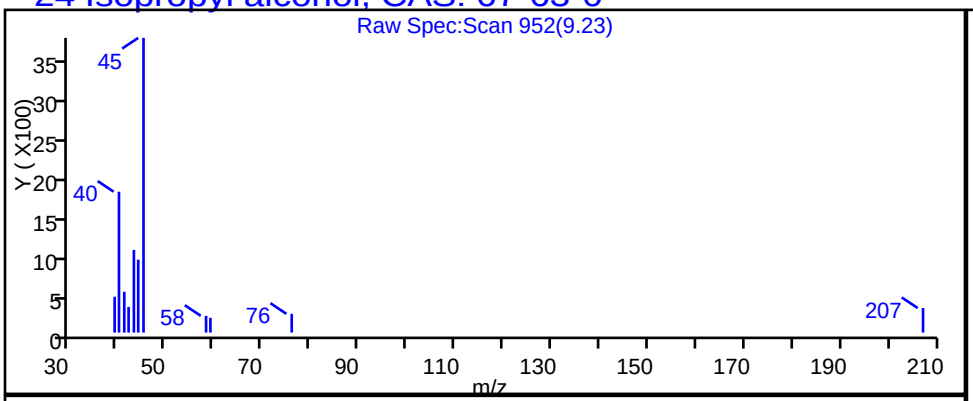


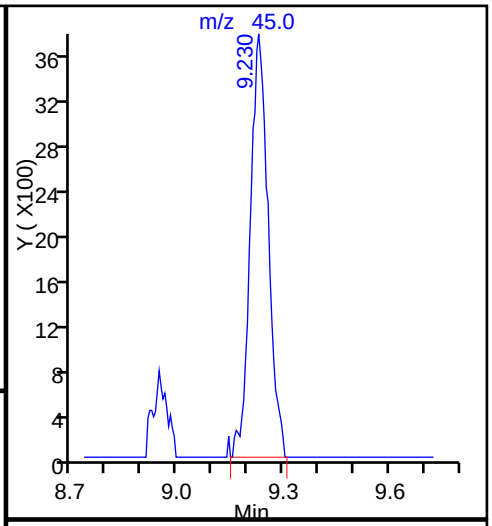


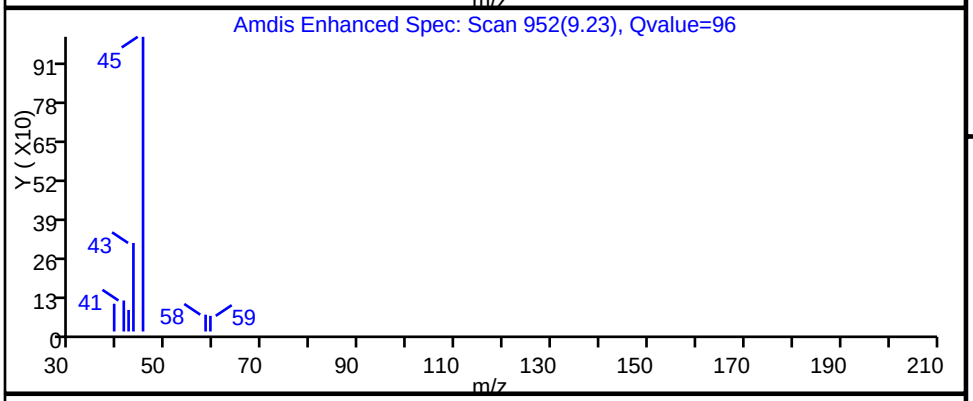


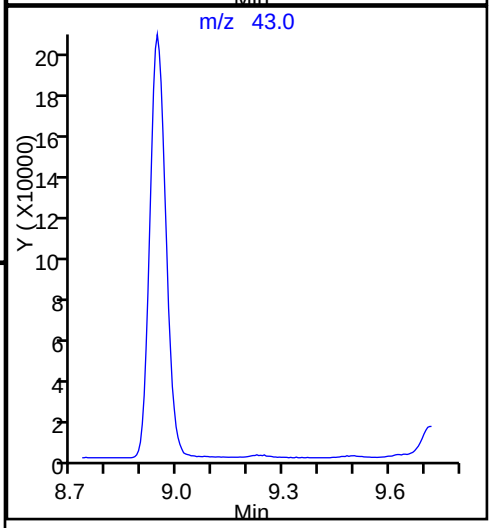
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

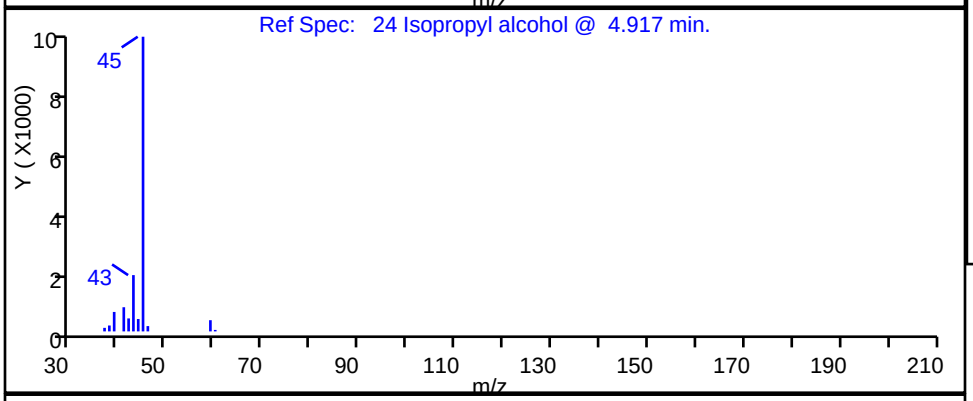
24 Isopropyl alcohol, CAS: 67-63-0

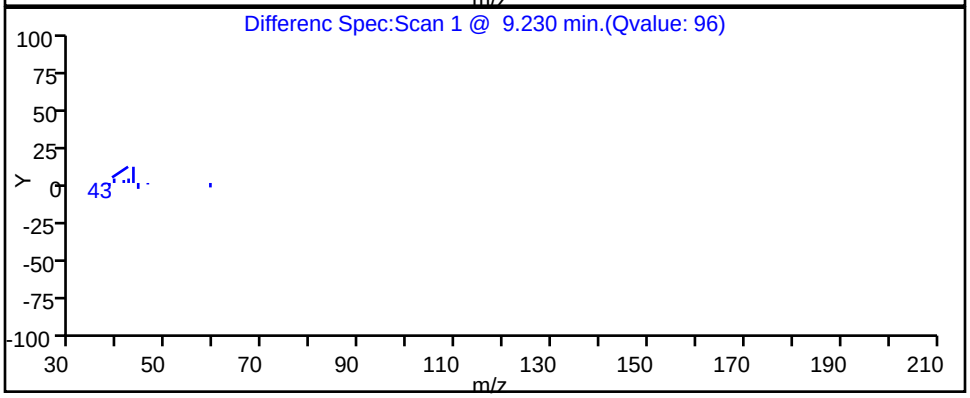








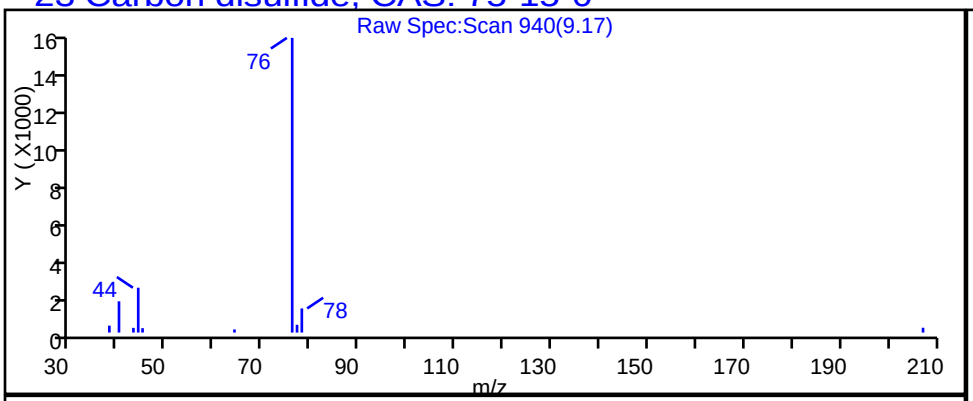


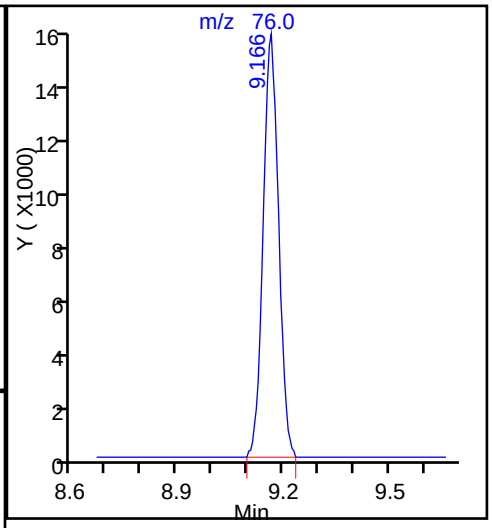


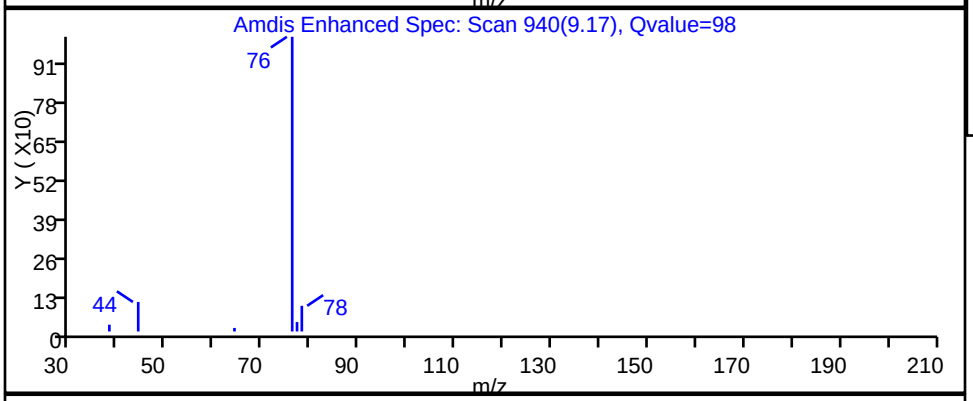
TestAmerica Burlington

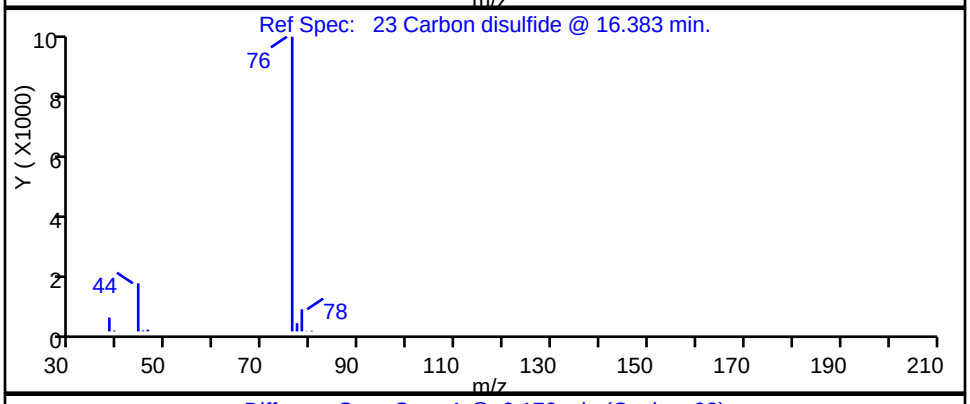
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

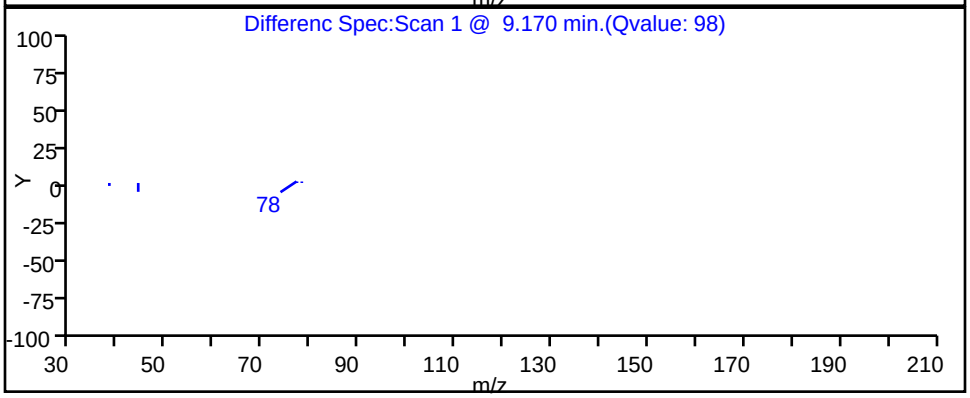
23 Carbon disulfide, CAS: 75-15-0





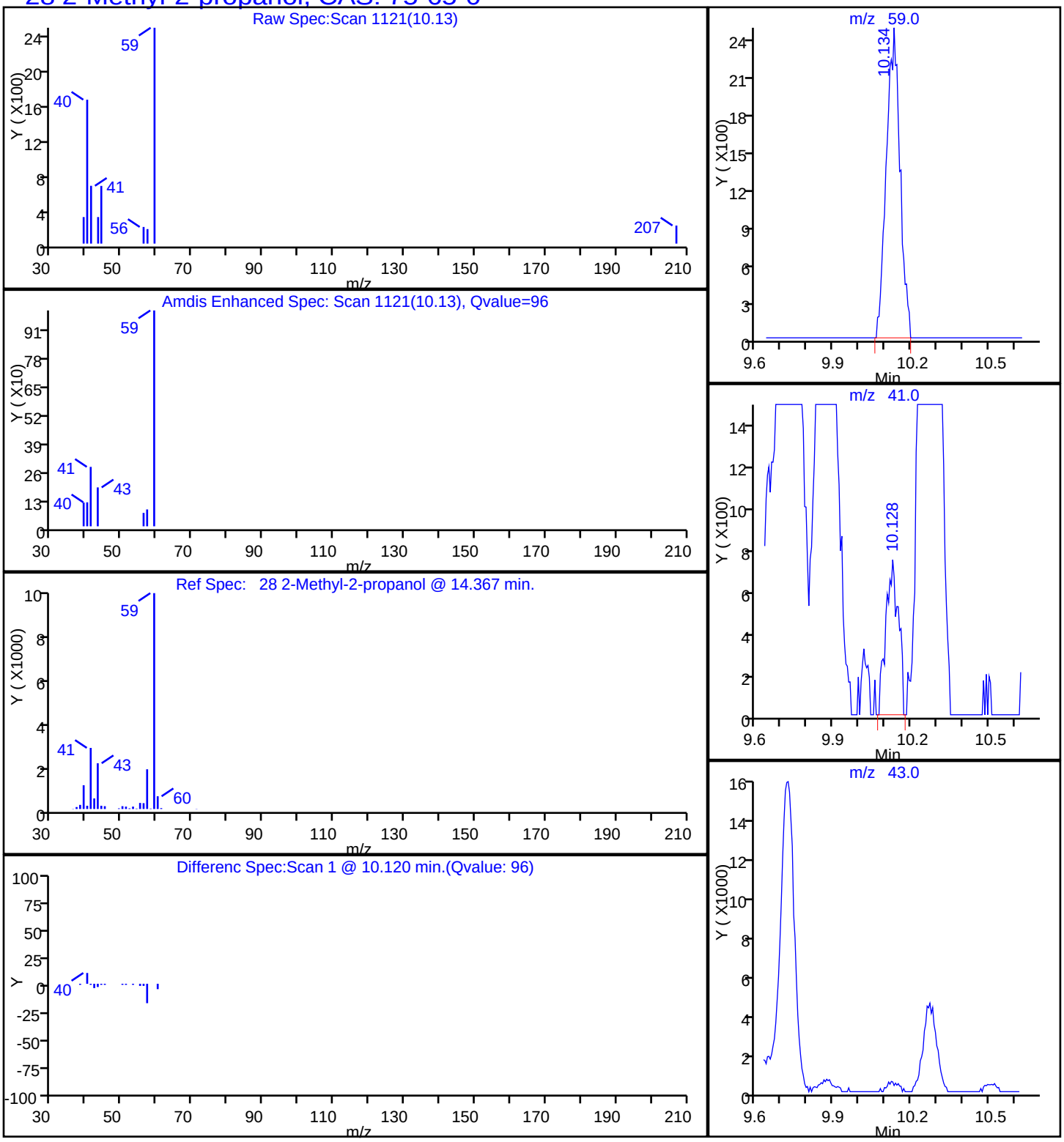






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

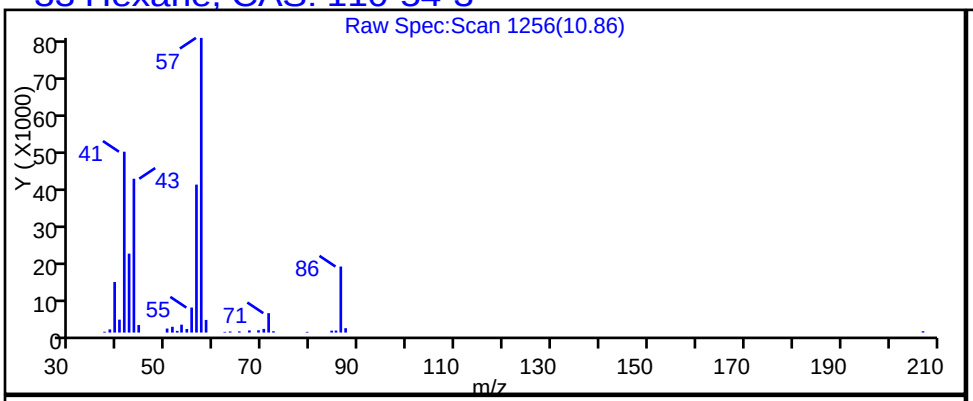
28 2-Methyl-2-propanol, CAS: 75-65-0

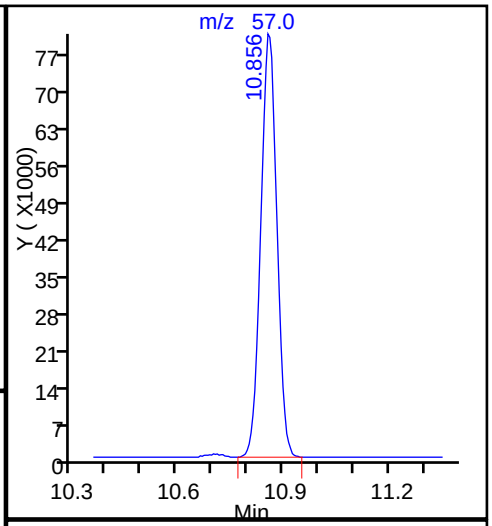


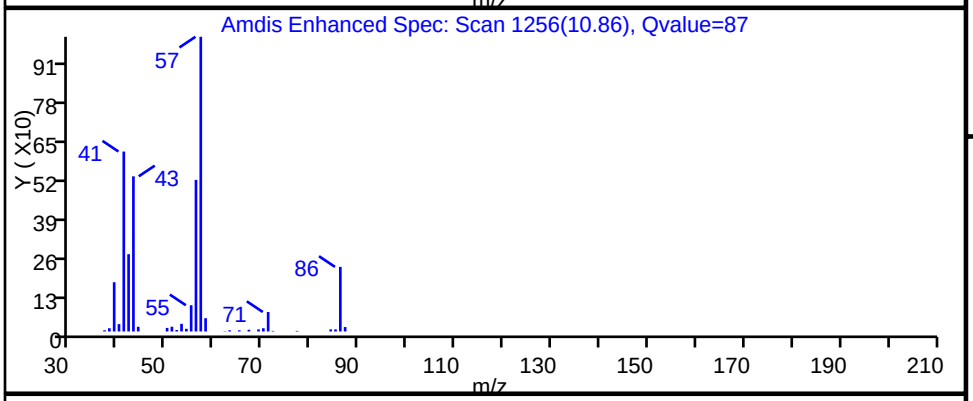
TestAmerica Burlington

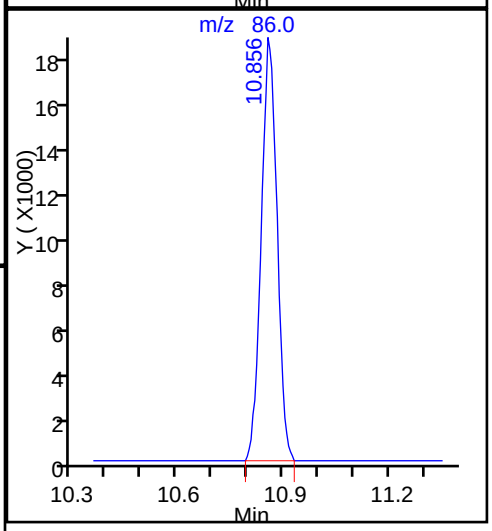
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

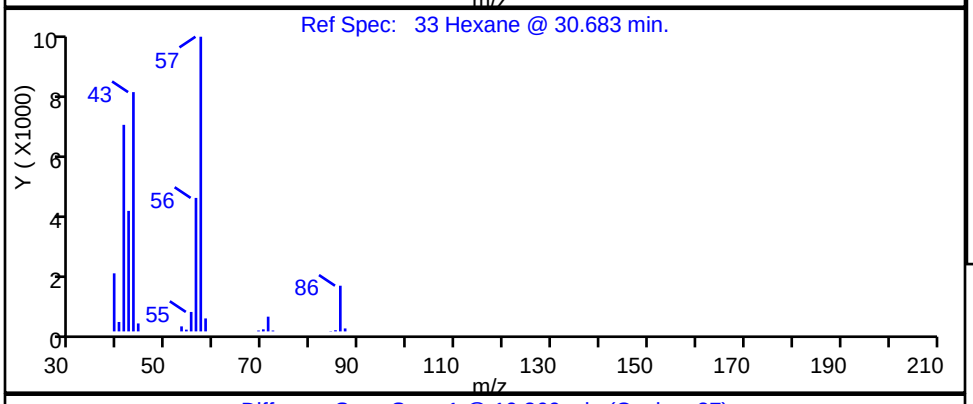
33 Hexane, CAS: 110-54-3

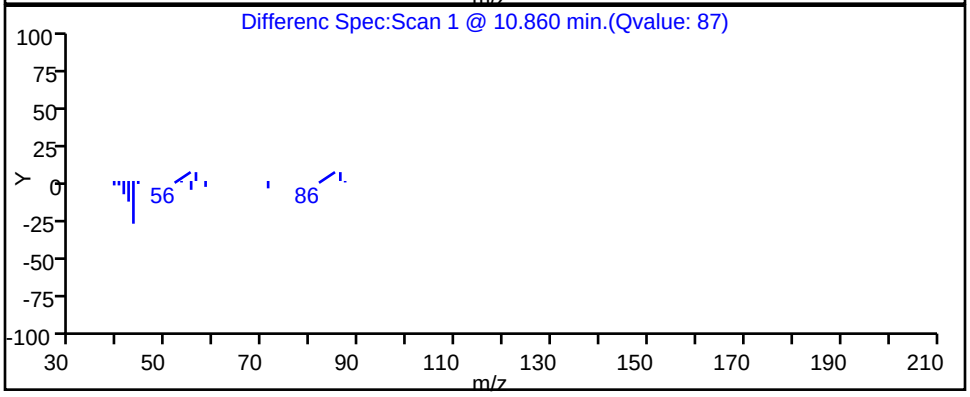








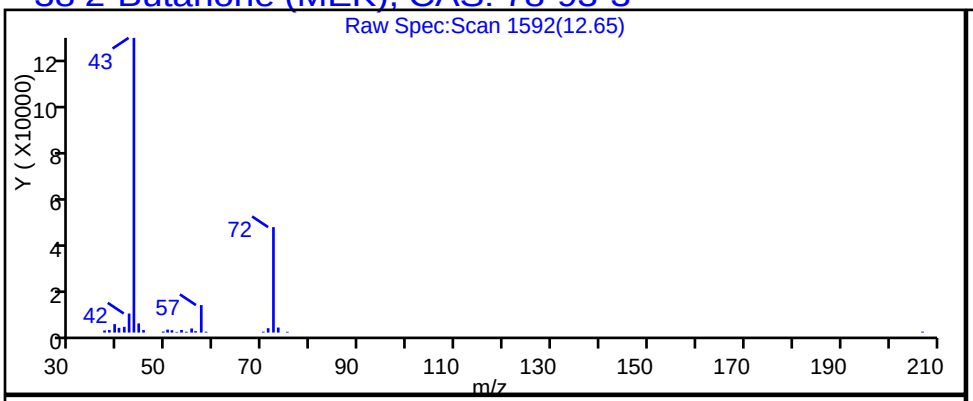


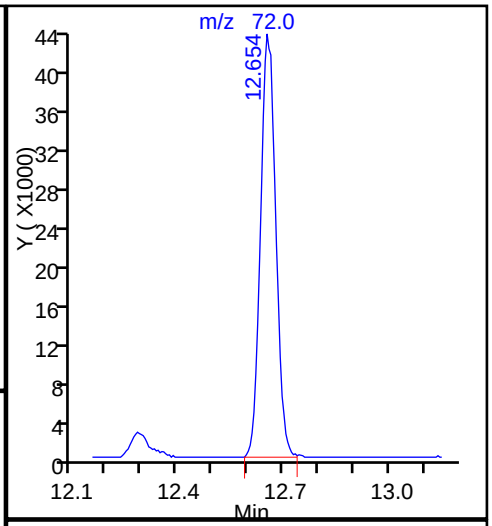


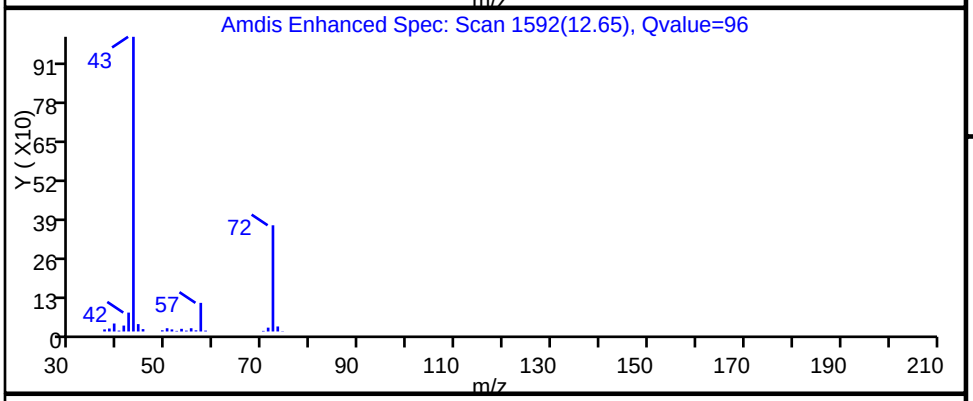
TestAmerica Burlington

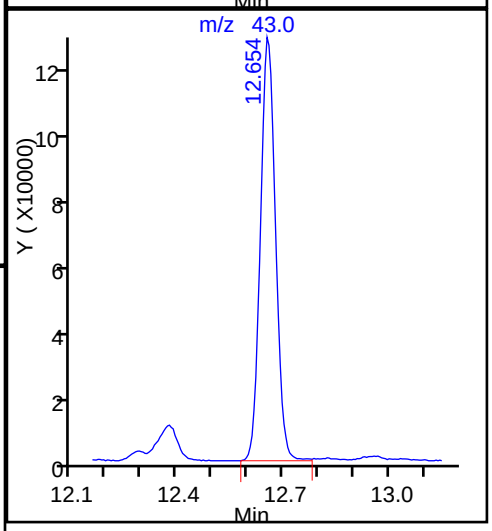
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

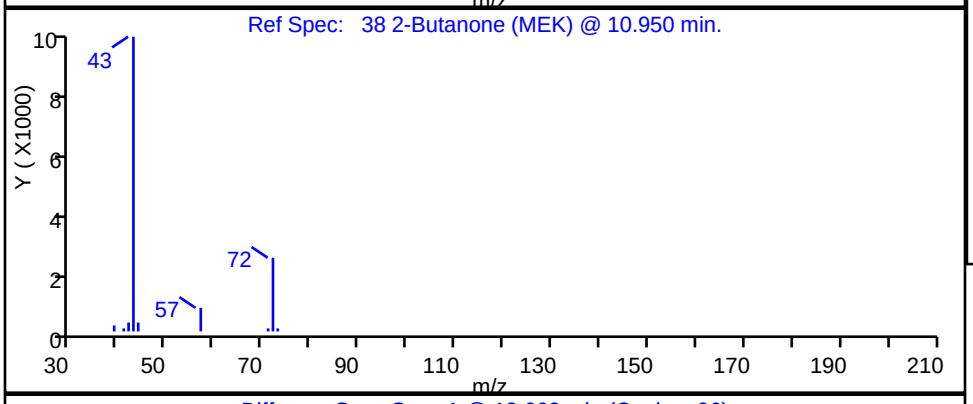
38 2-Butanone (MEK), CAS: 78-93-3

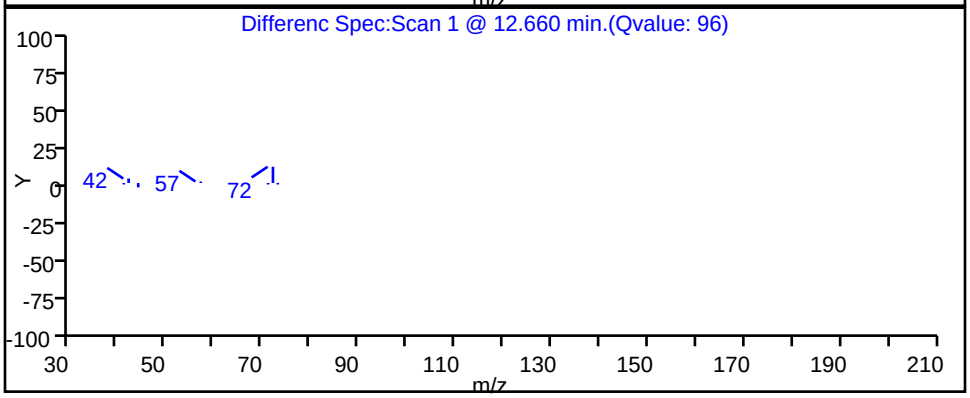






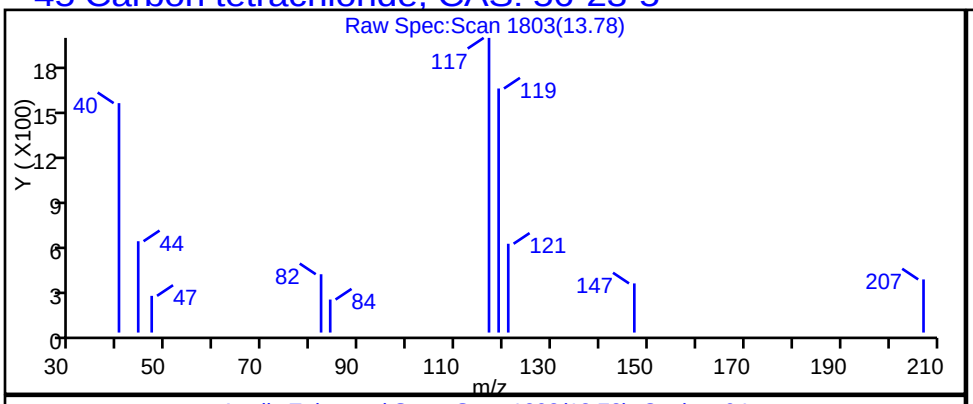


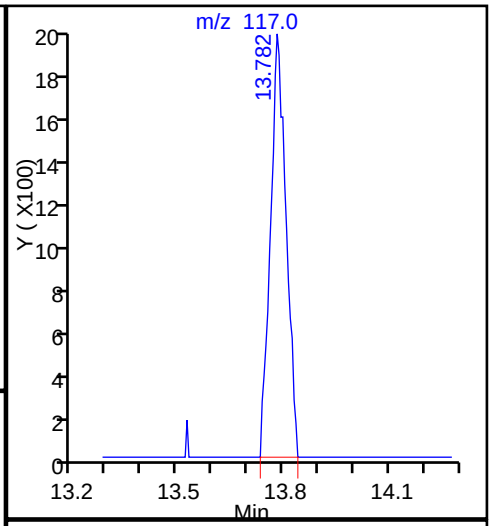


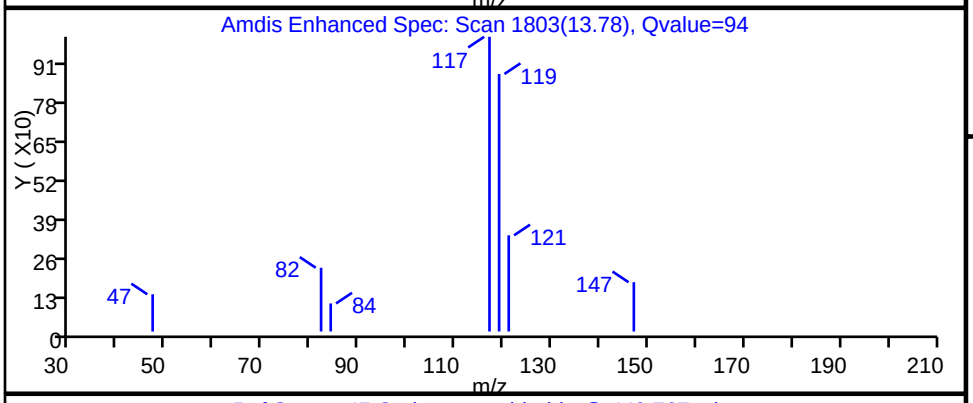


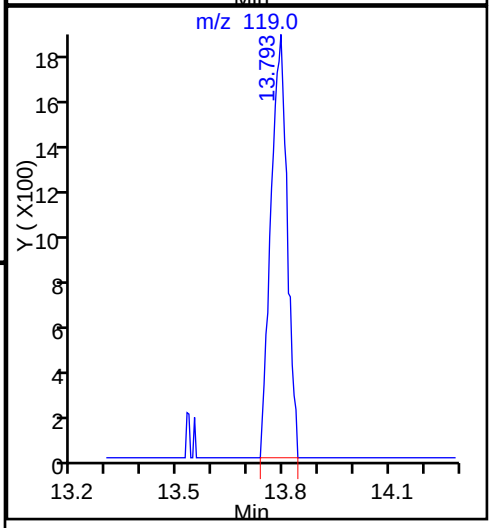
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

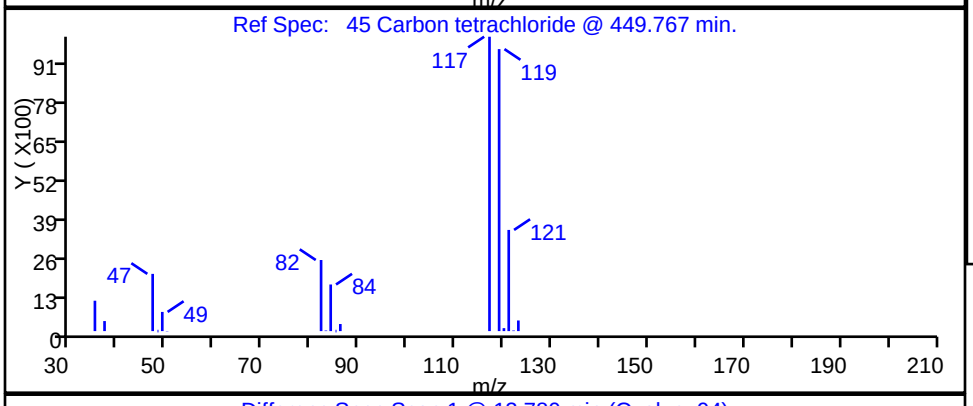
45 Carbon tetrachloride, CAS: 56-23-5

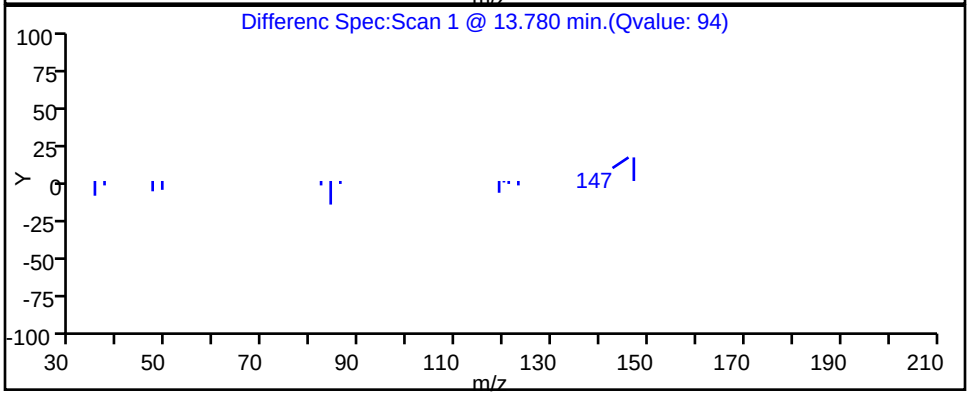








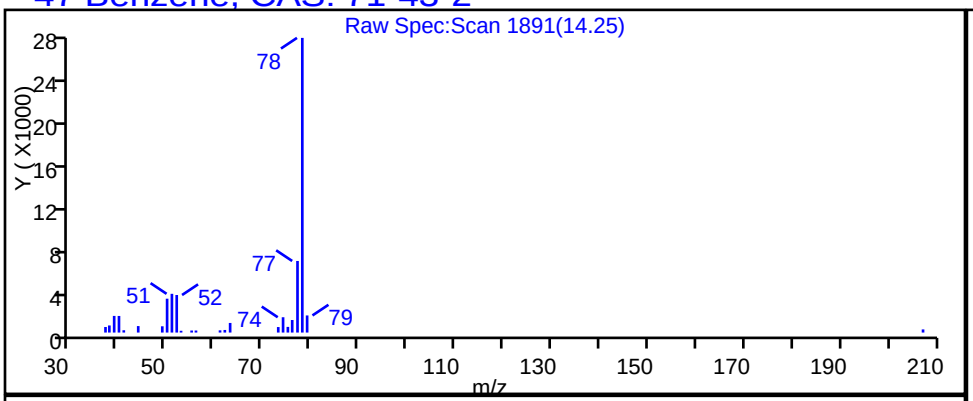


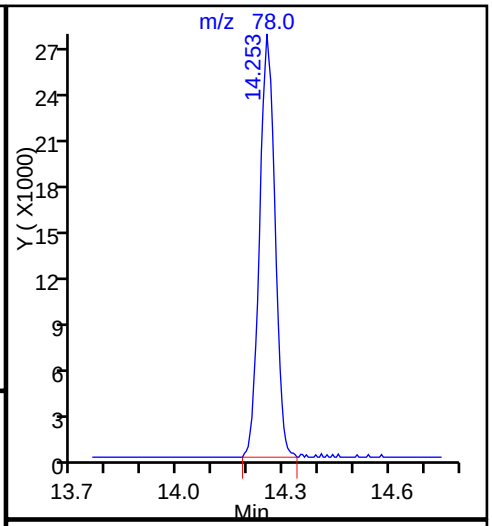


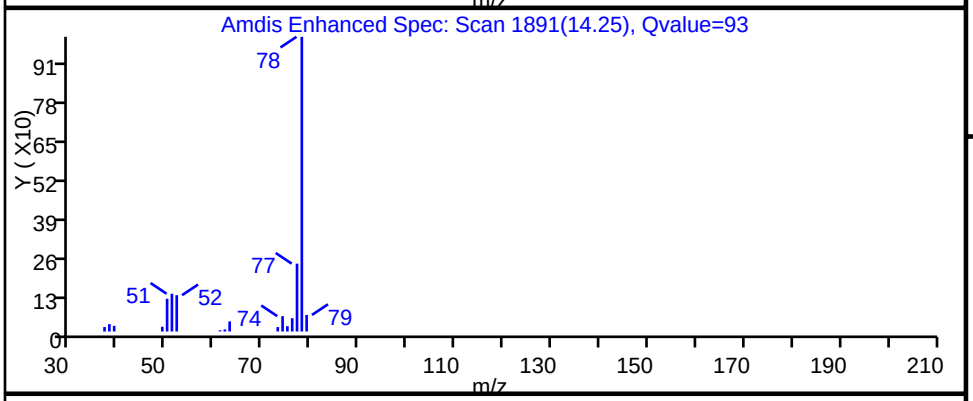
TestAmerica Burlington

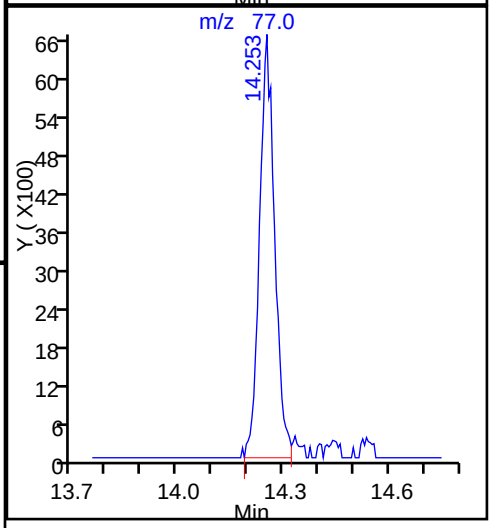
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

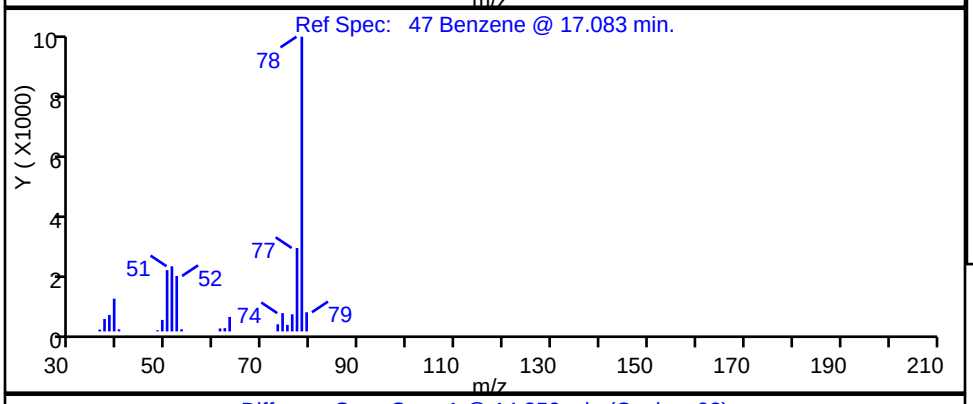
47 Benzene, CAS: 71-43-2

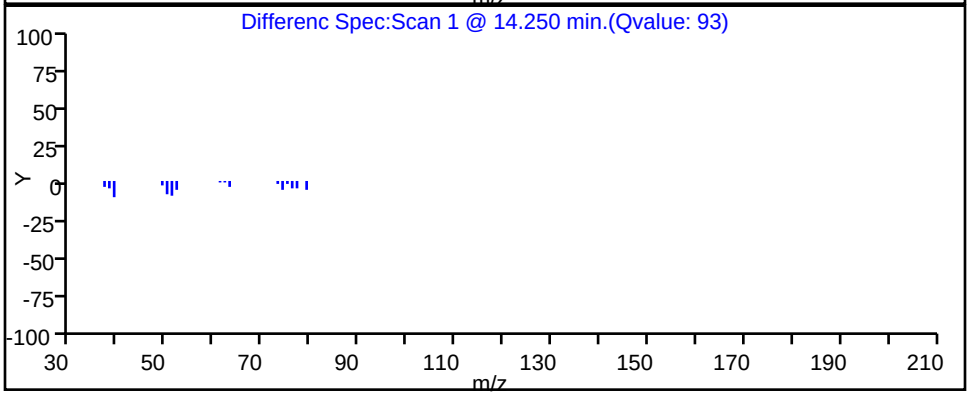








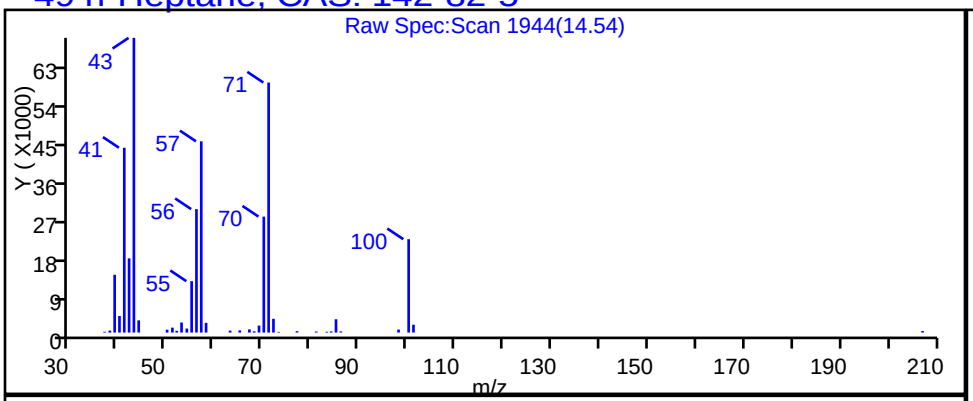


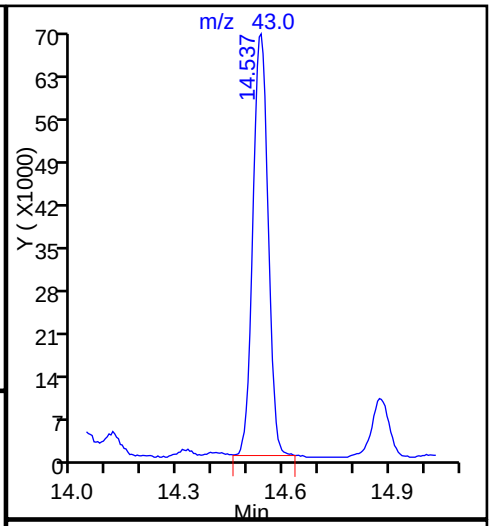


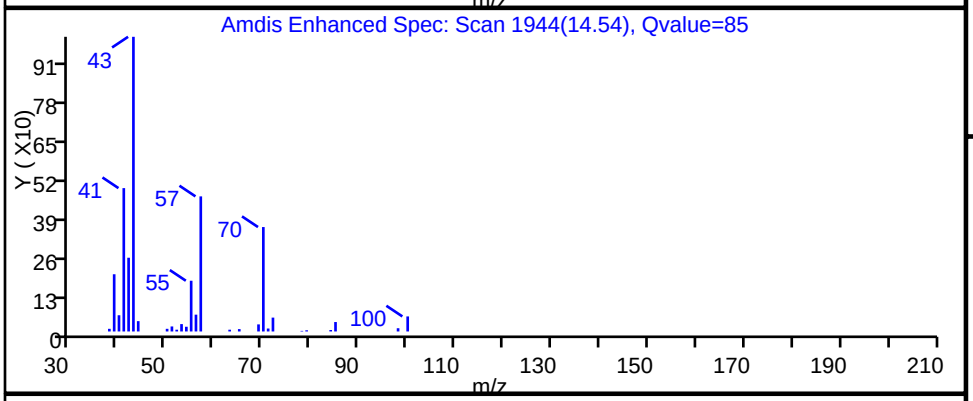
TestAmerica Burlington

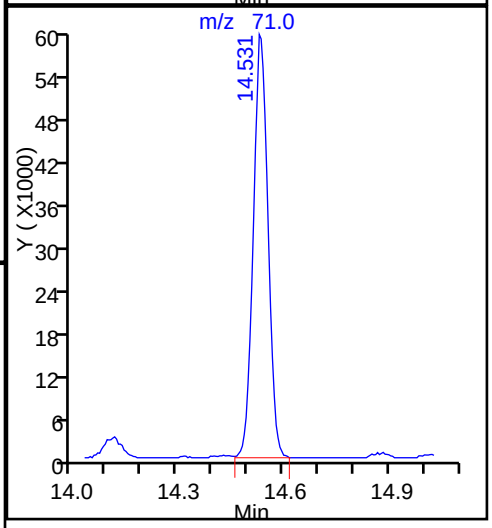
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

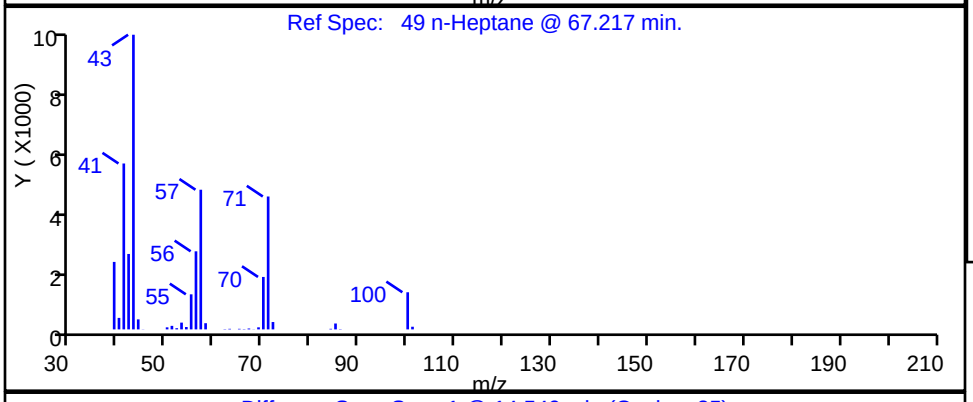
49 n-Heptane, CAS: 142-82-5

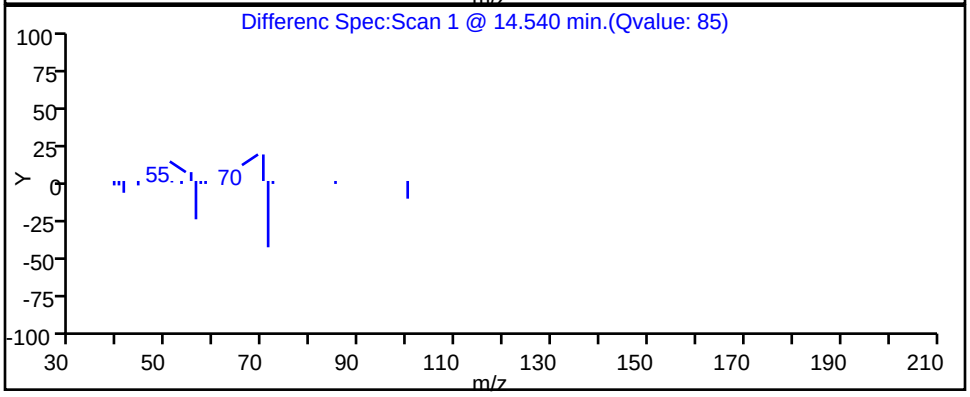






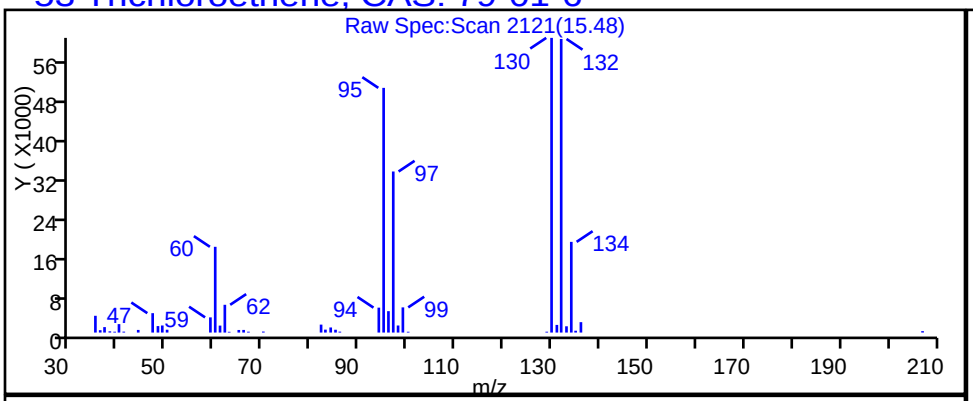


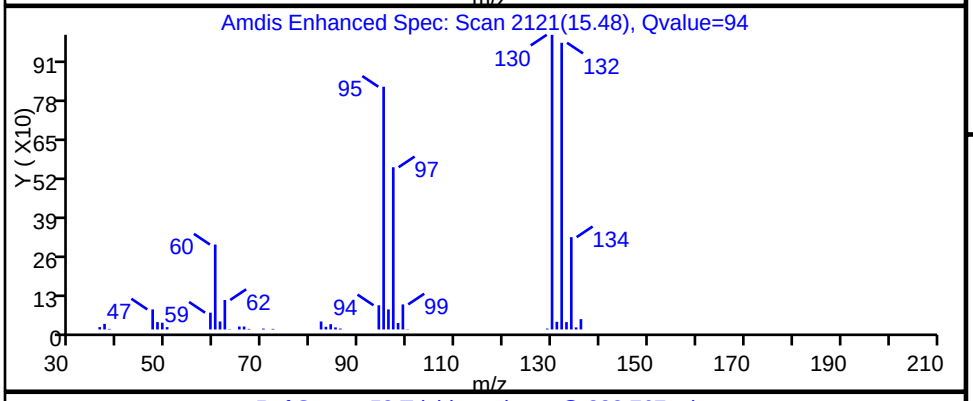


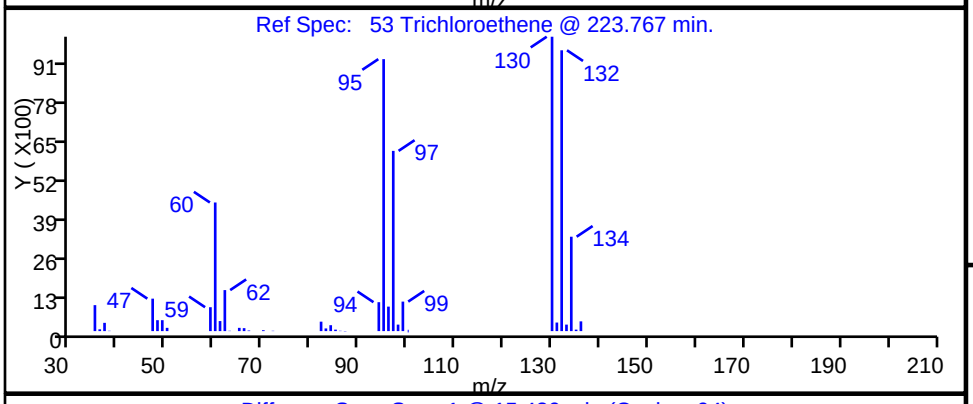


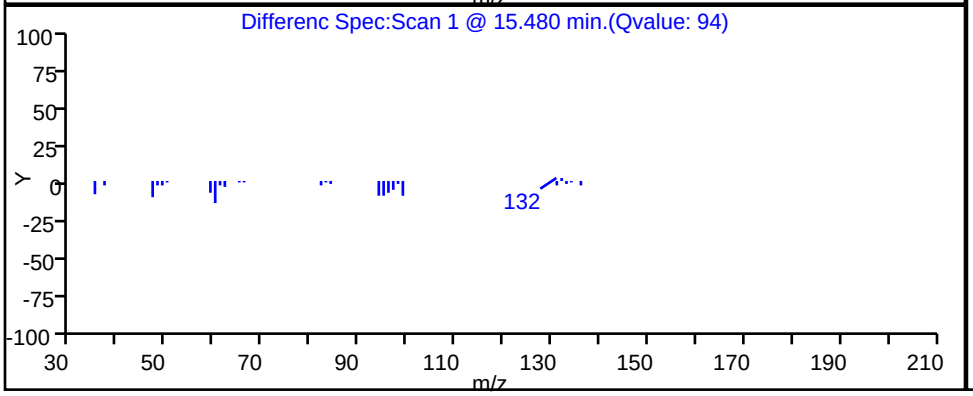
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

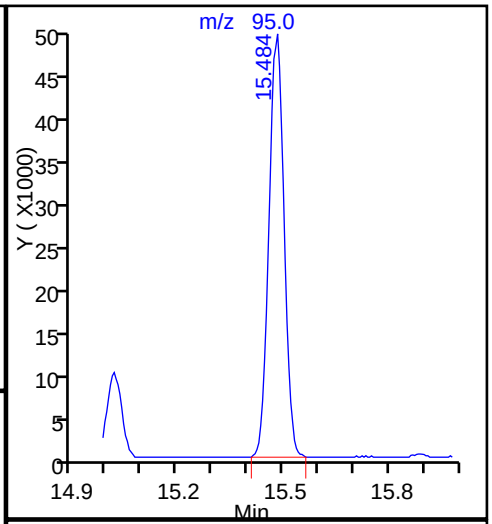
53 Trichloroethene, CAS: 79-01-6

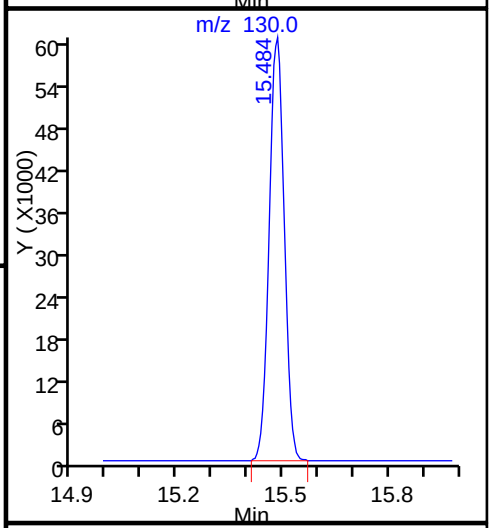


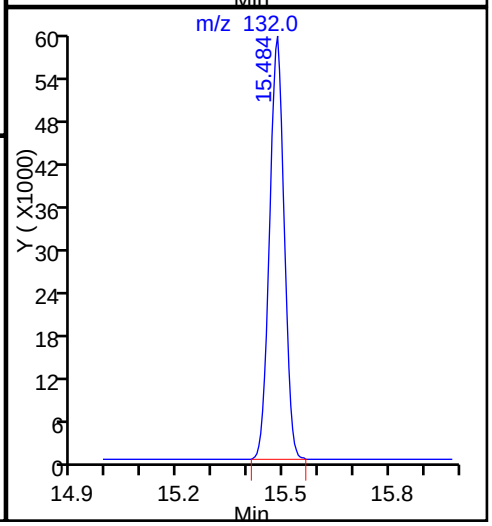








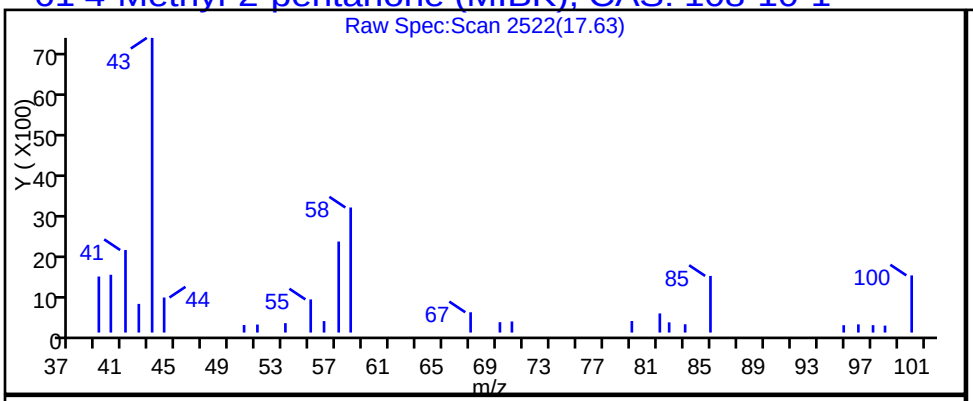


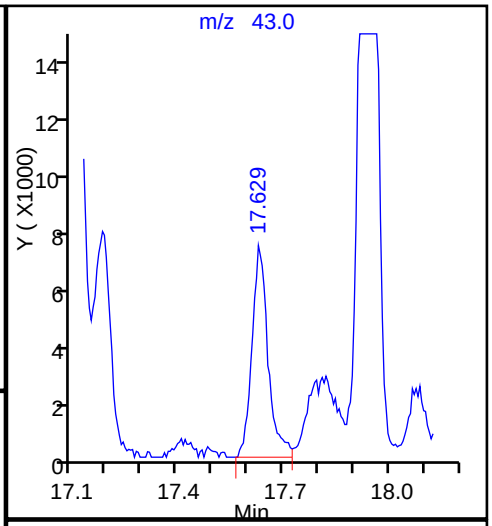


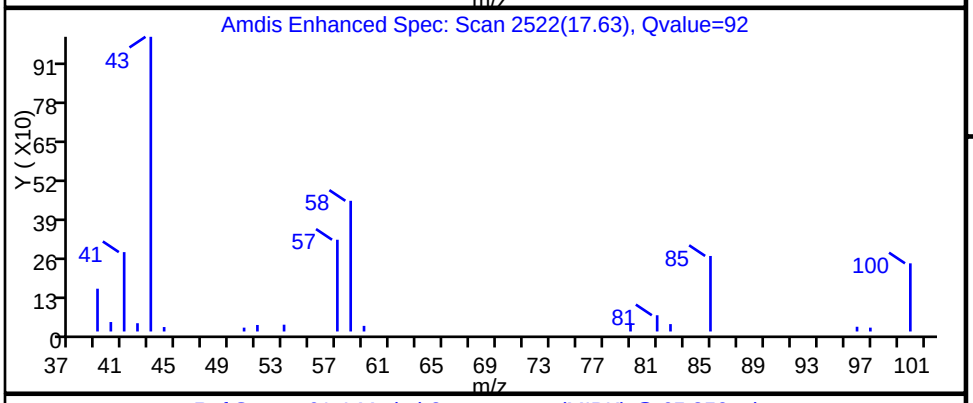
TestAmerica Burlington

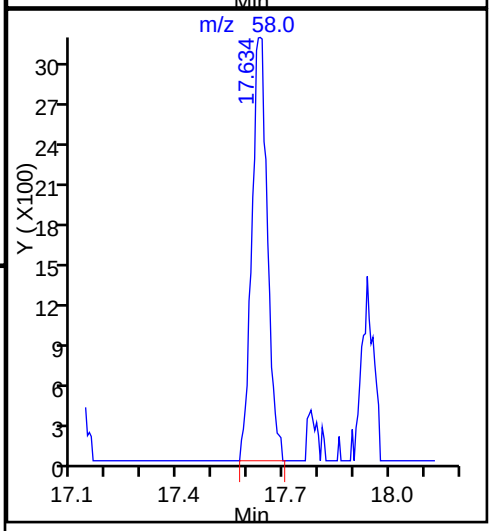
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

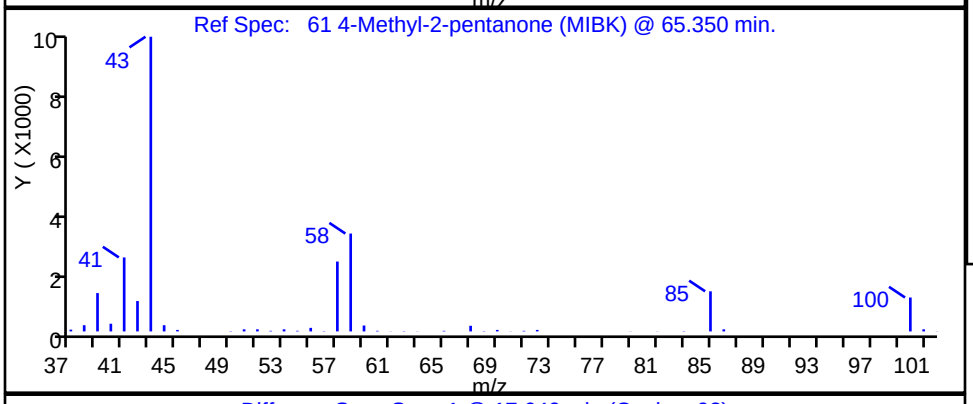
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

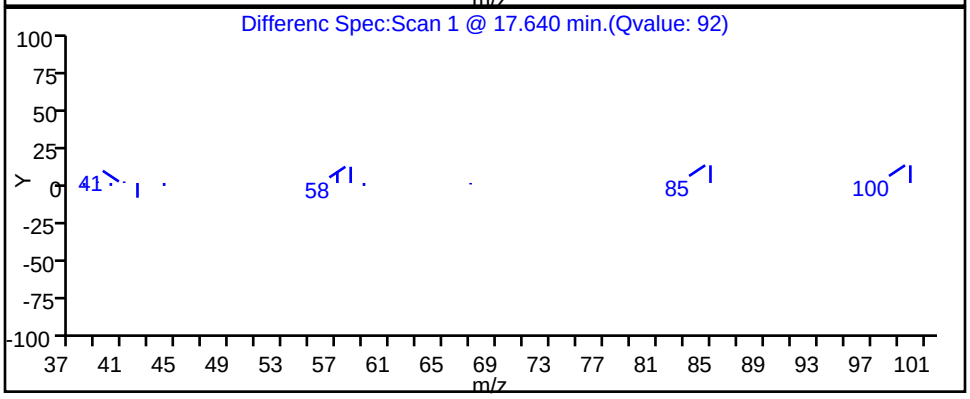








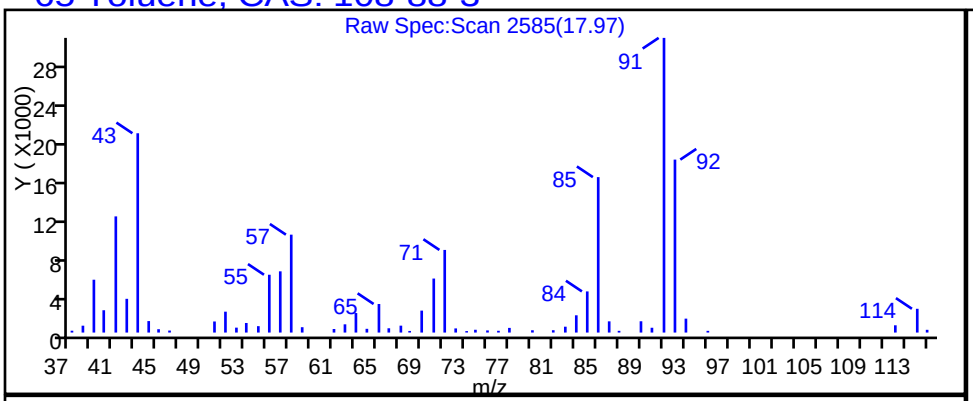


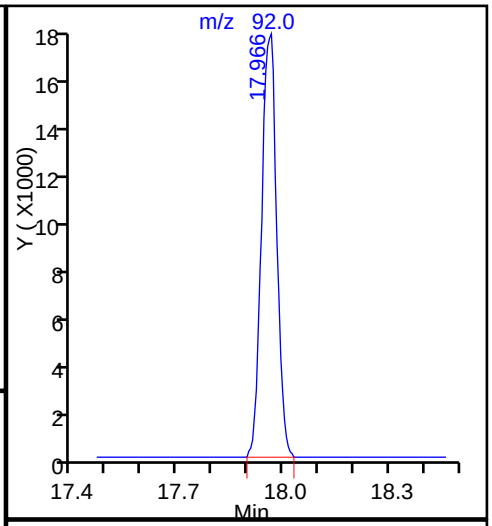


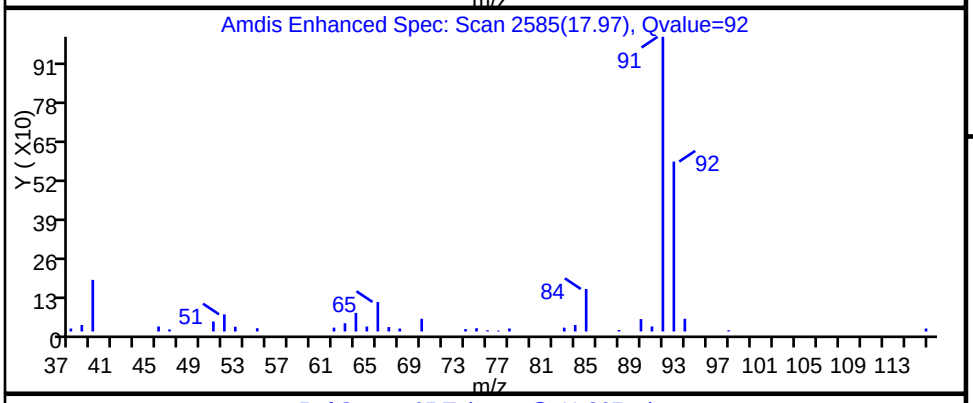
TestAmerica Burlington

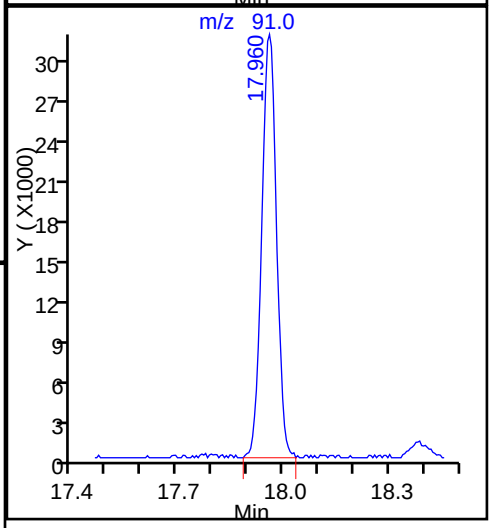
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

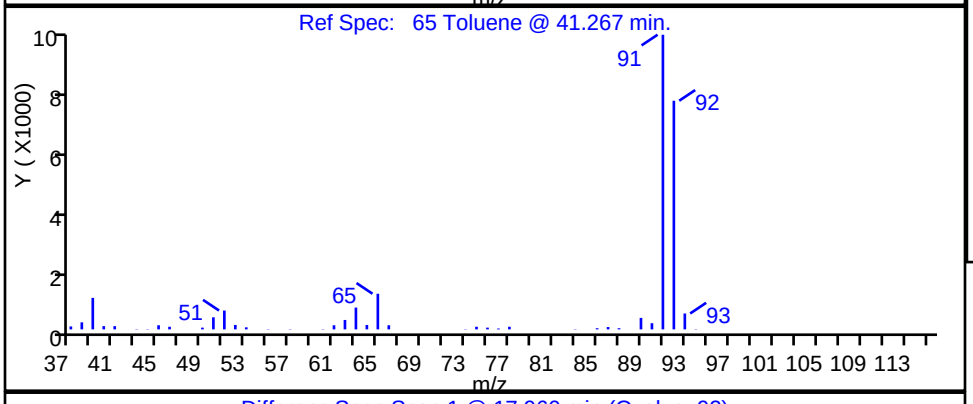
65 Toluene, CAS: 108-88-3

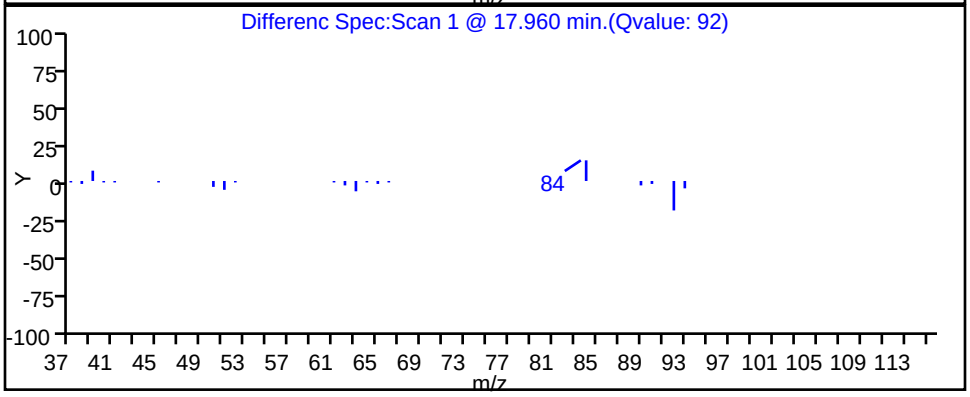








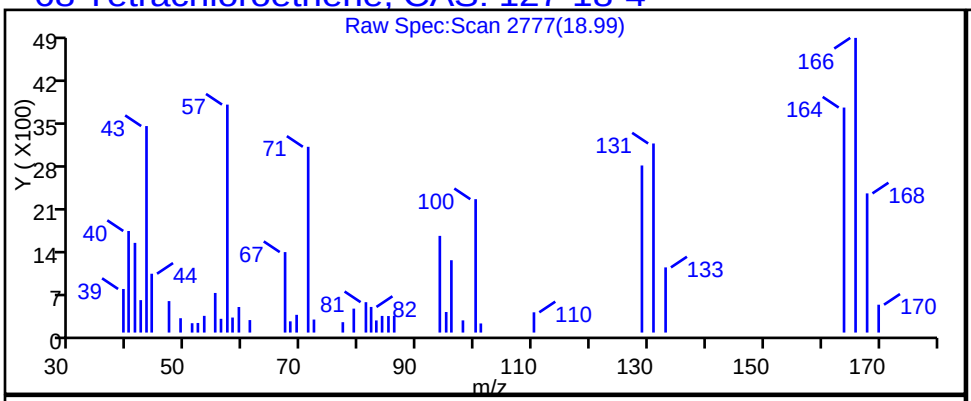


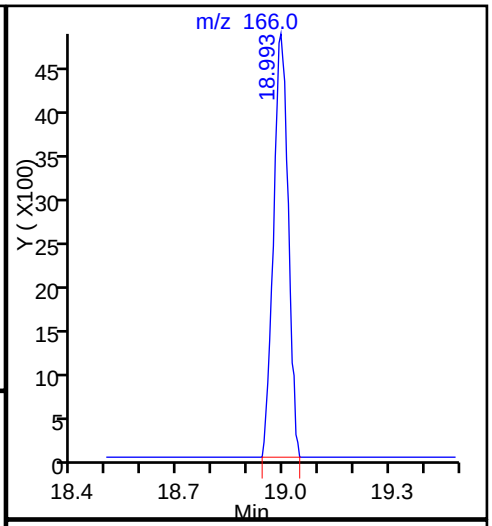


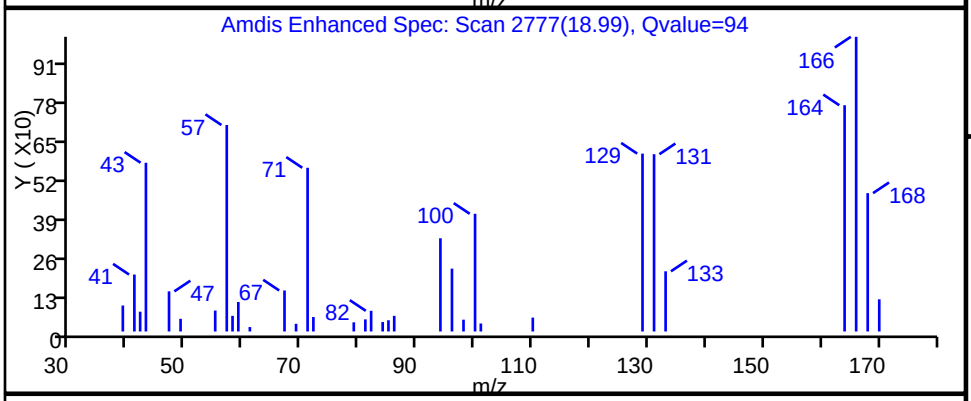
TestAmerica Burlington

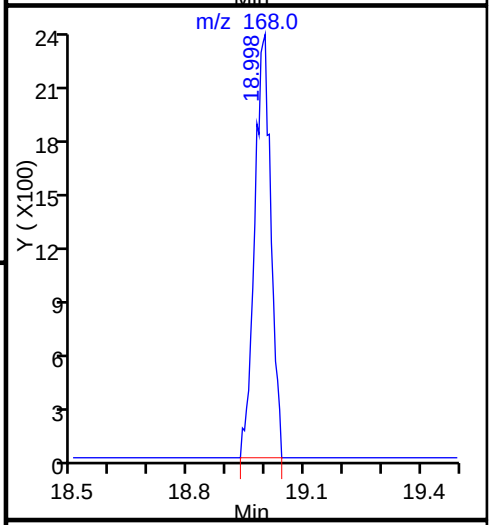
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

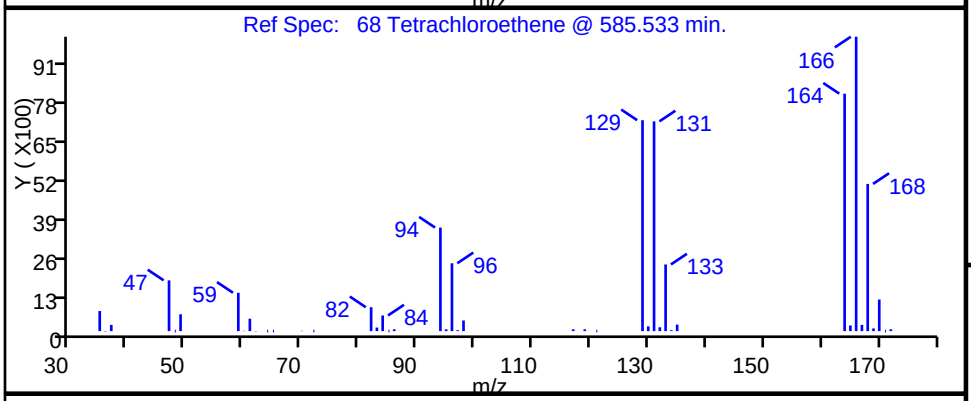
68 Tetrachloroethene, CAS: 127-18-4

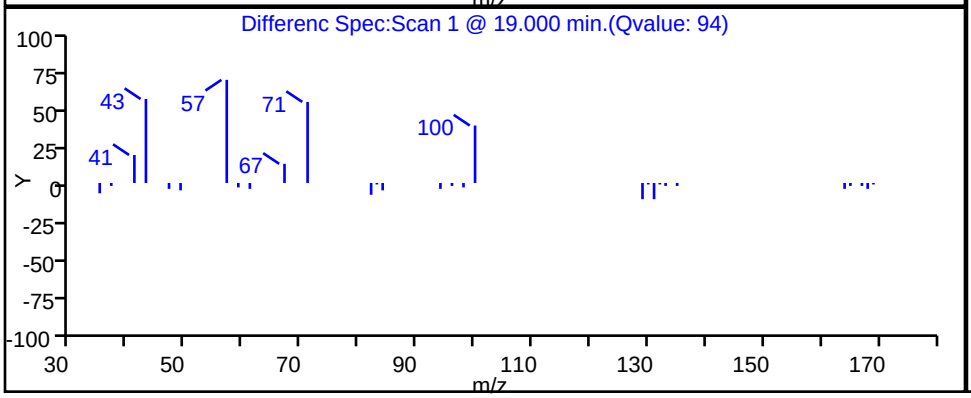


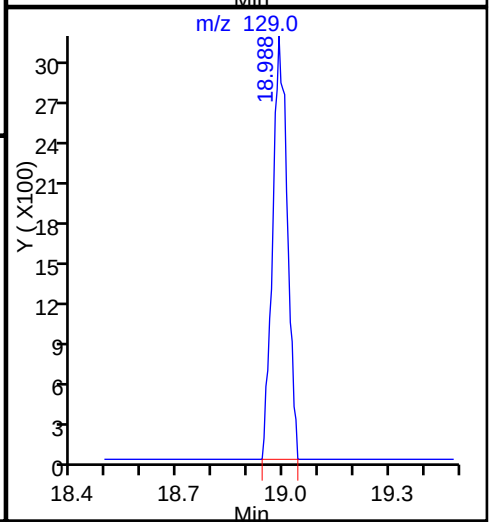








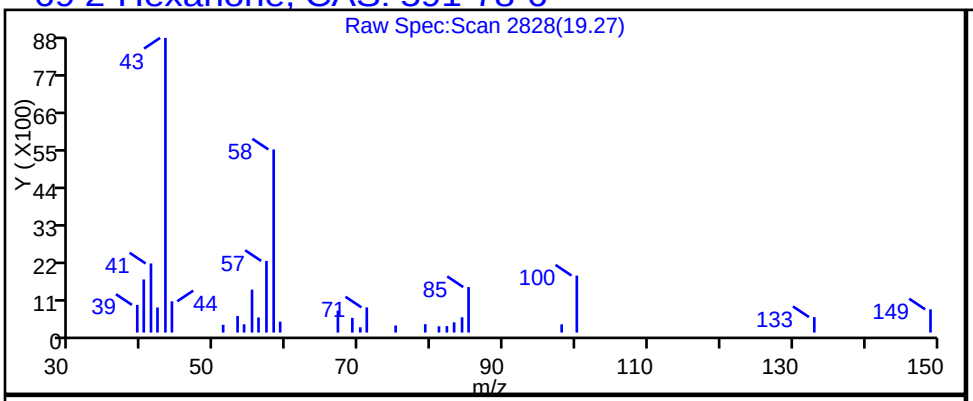


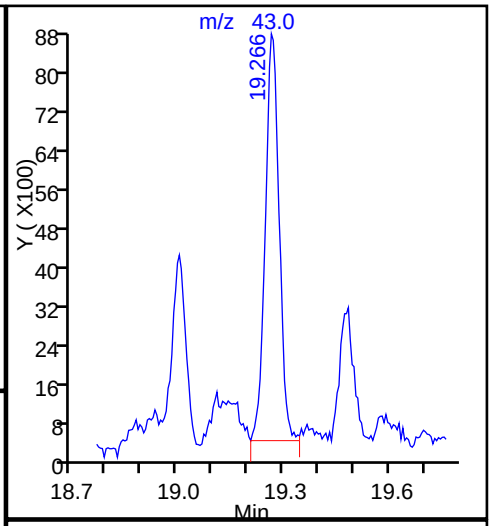


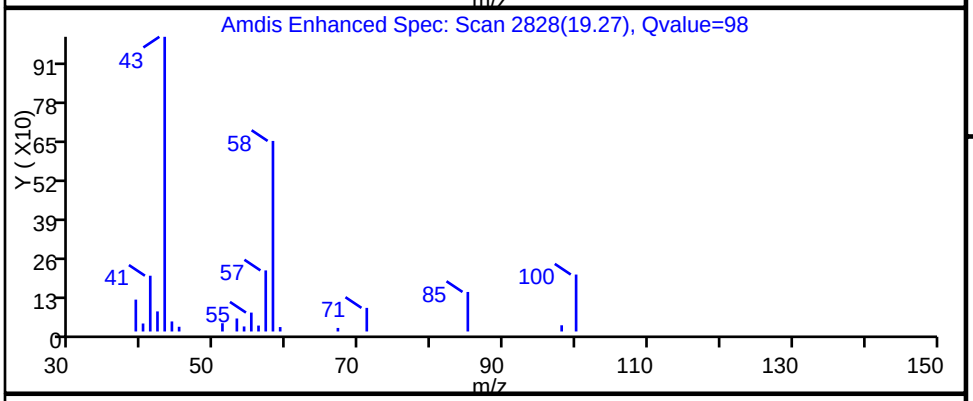
TestAmerica Burlington

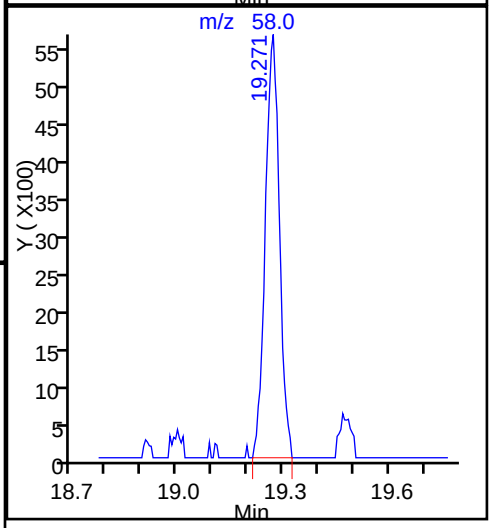
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

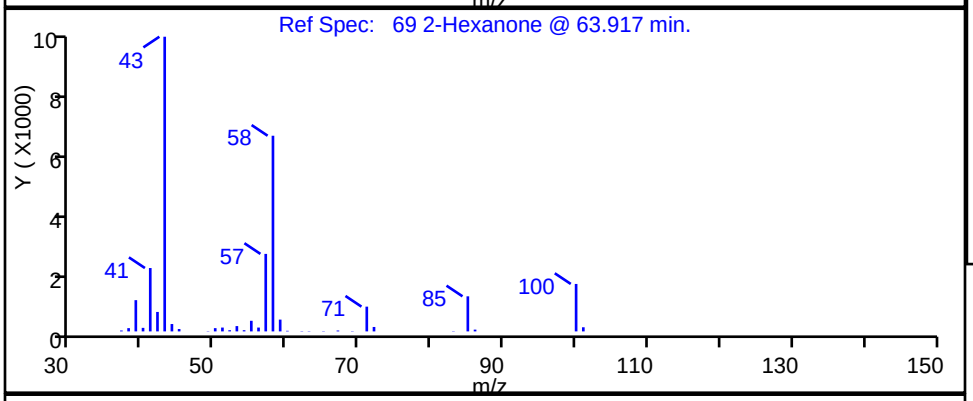
69 2-Hexanone, CAS: 591-78-6

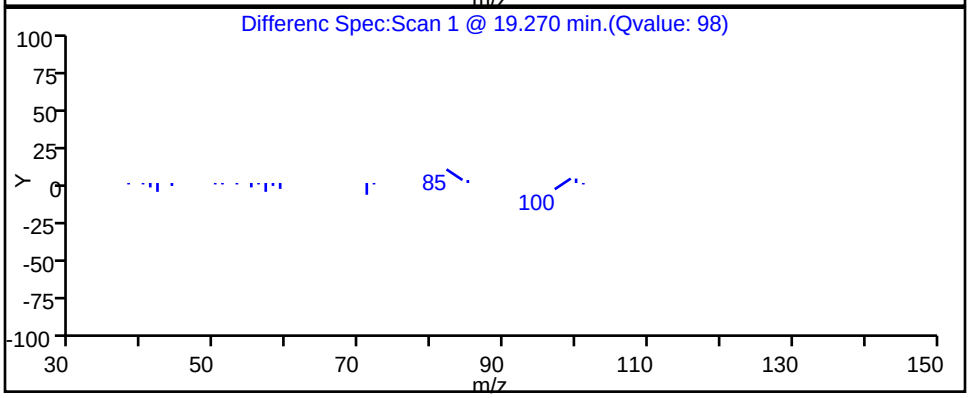






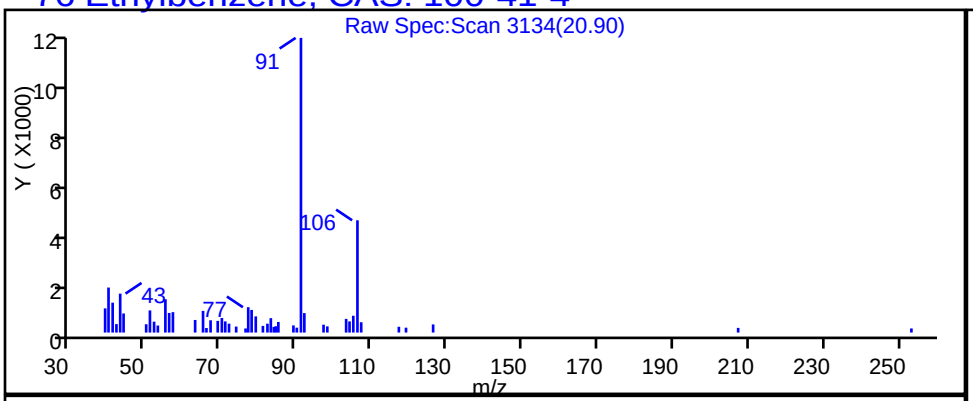


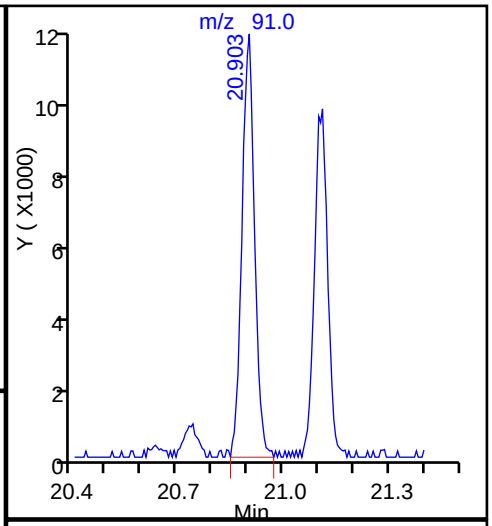


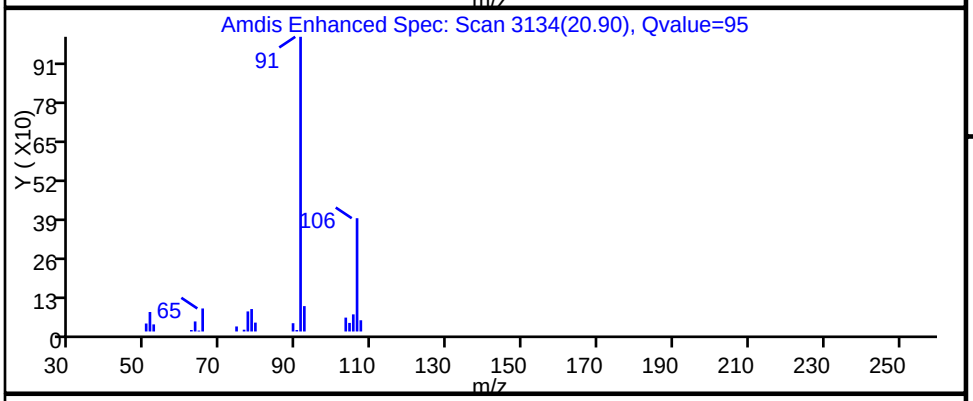


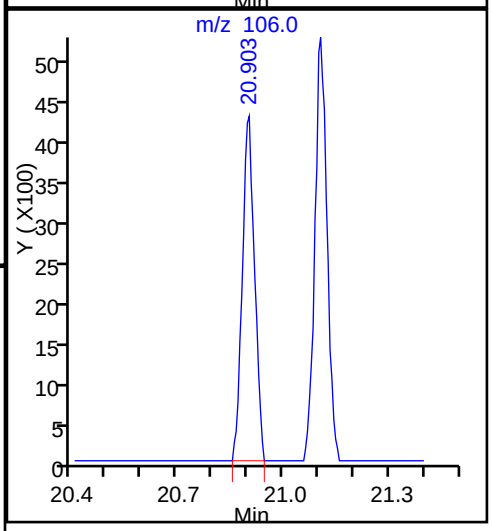
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d
Injection Date: 10-Sep-2015 22:36:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-14 Lab Sample ID: 200-29580-14
Client ID: 786VMP0302PA
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

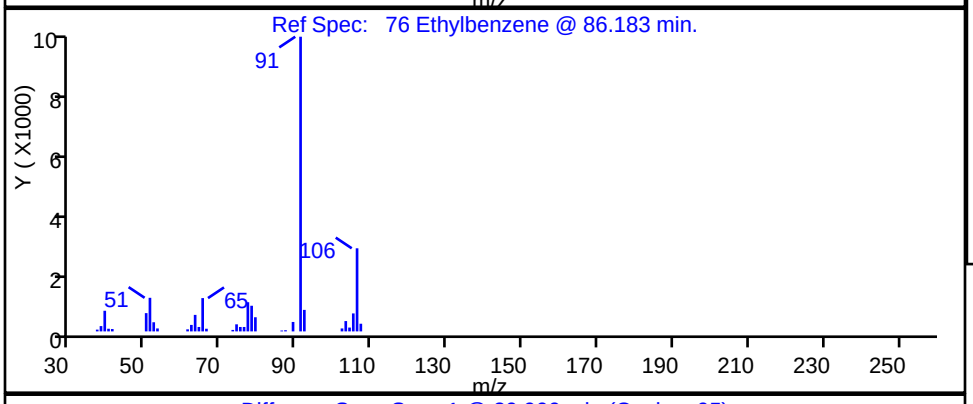
76 Ethylbenzene, CAS: 100-41-4

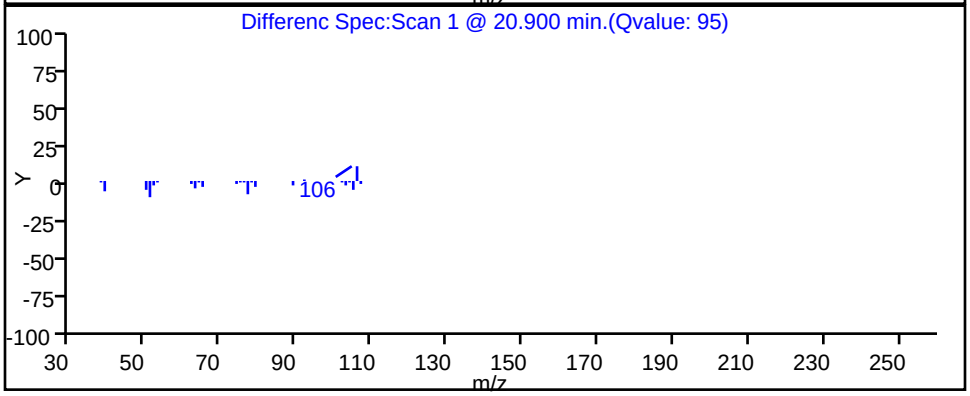








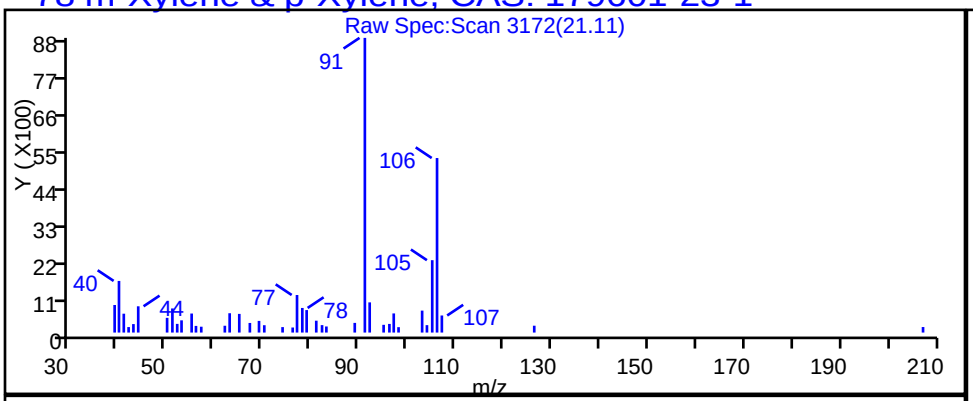


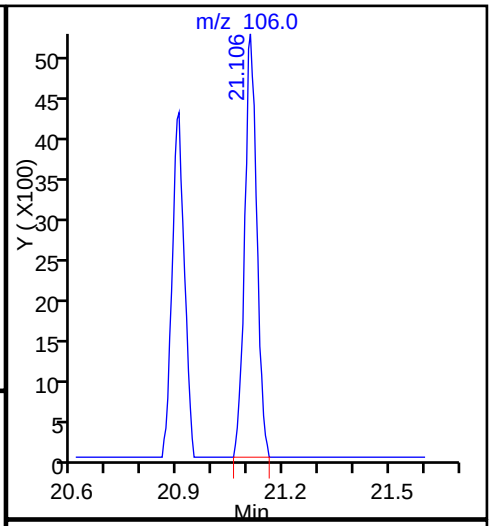


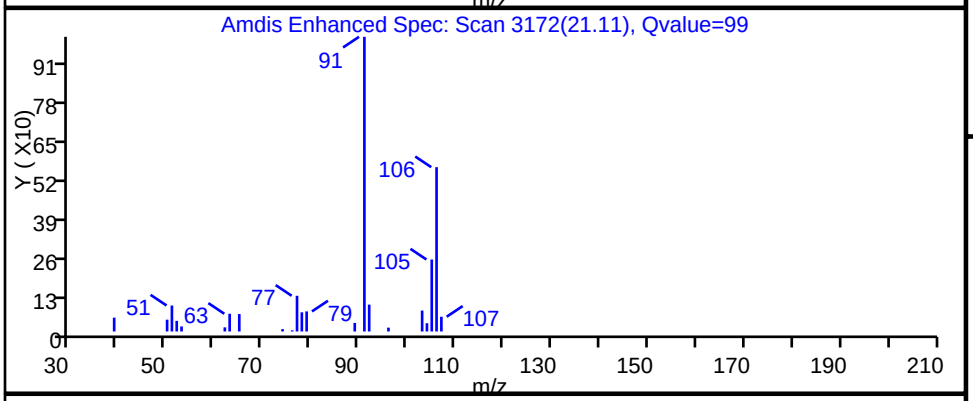
TestAmerica Burlington

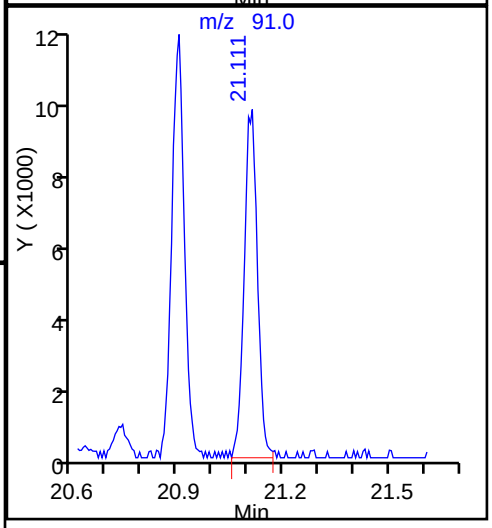
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

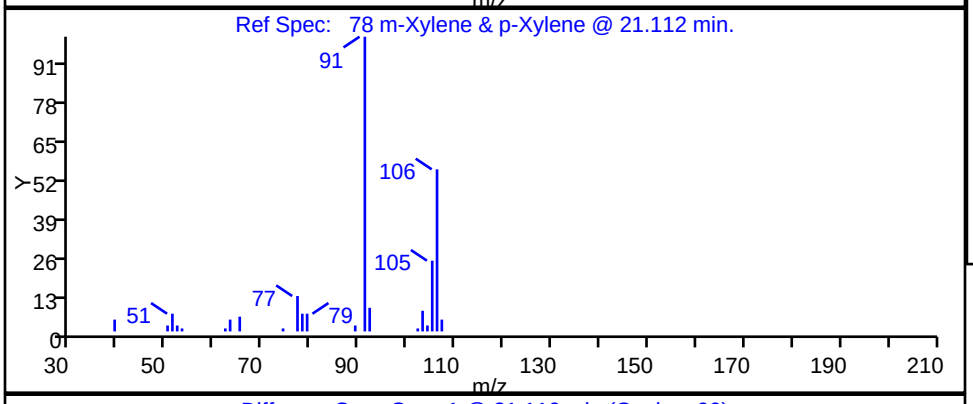
78 m-Xylene & p-Xylene, CAS: 179601-23-1

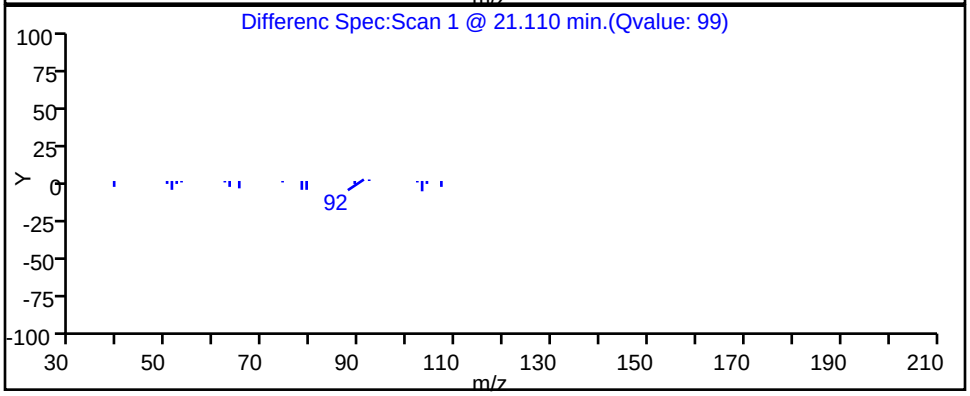








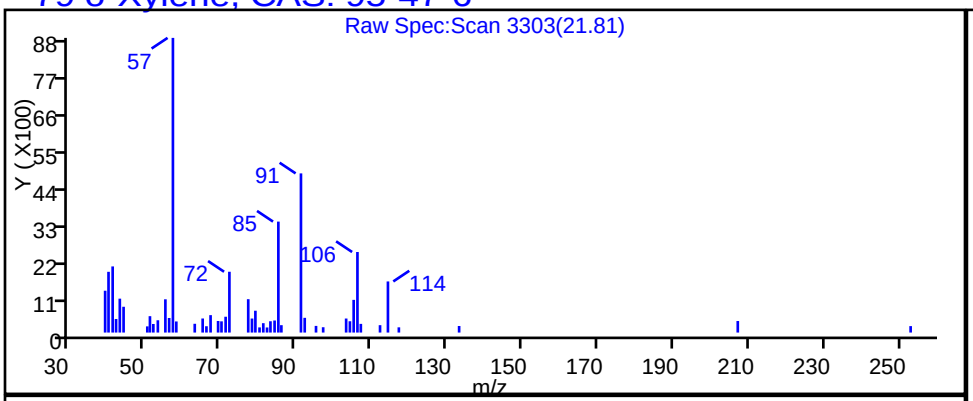


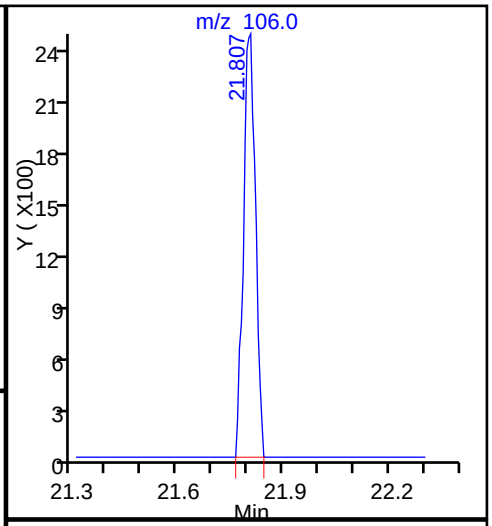


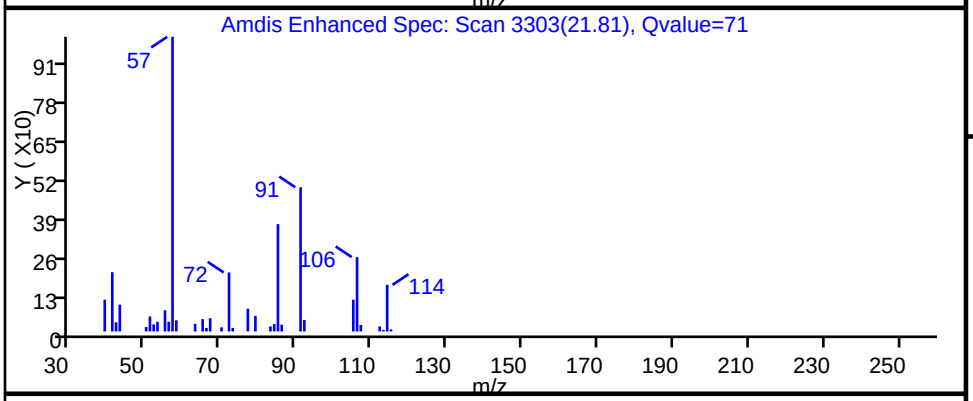
TestAmerica Burlington

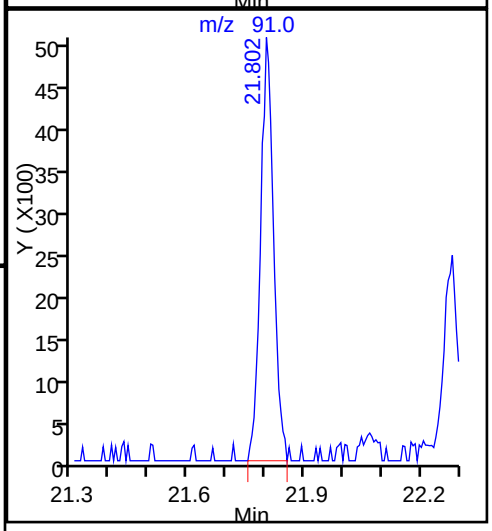
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

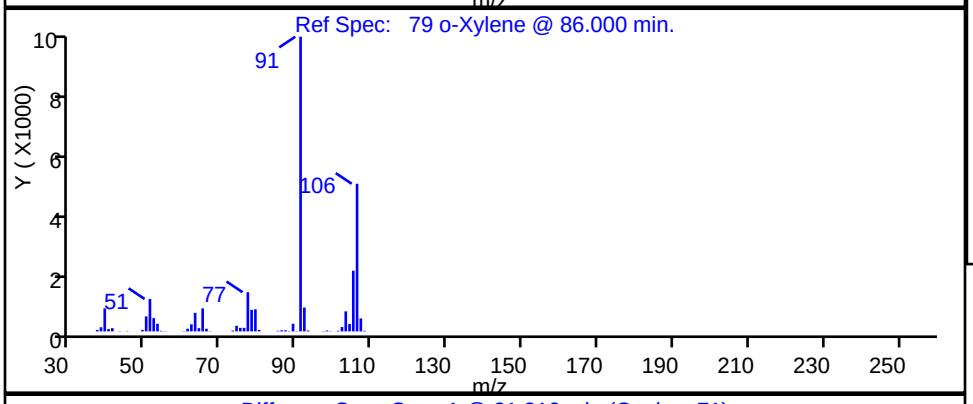
79 o-Xylene, CAS: 95-47-6

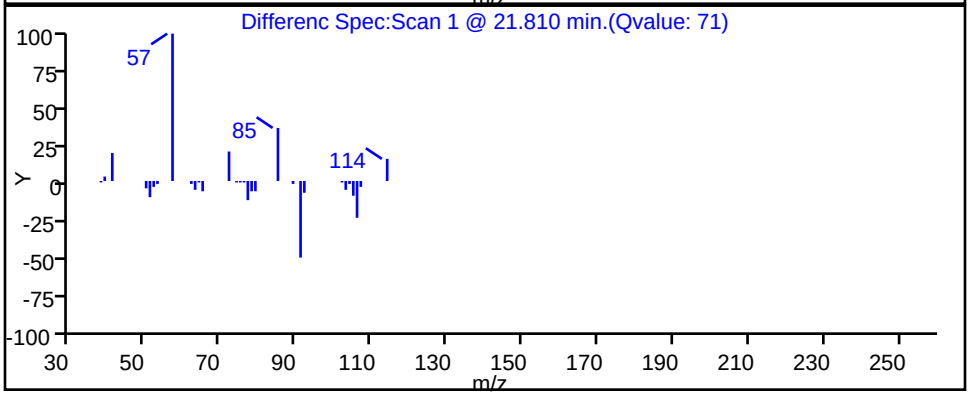








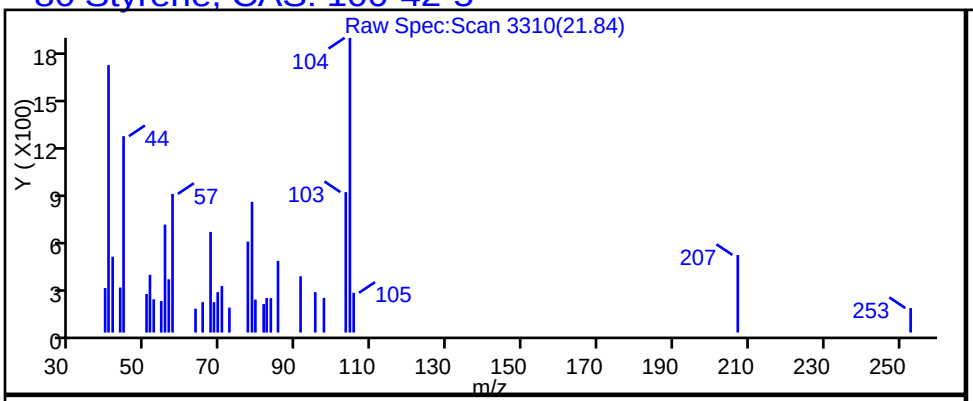


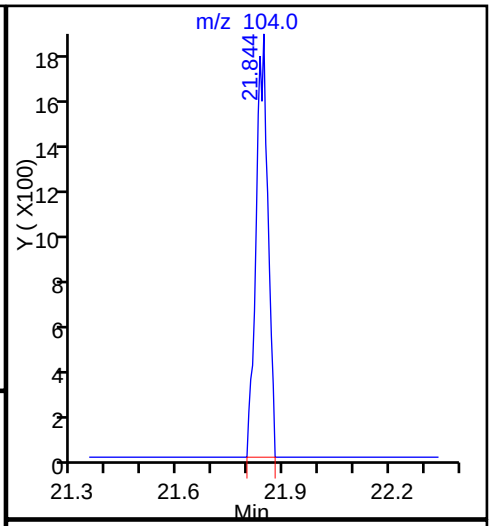


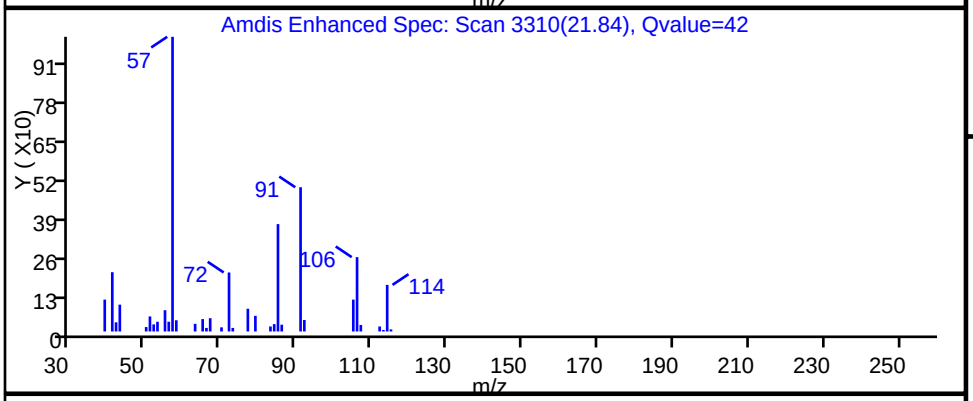
TestAmerica Burlington

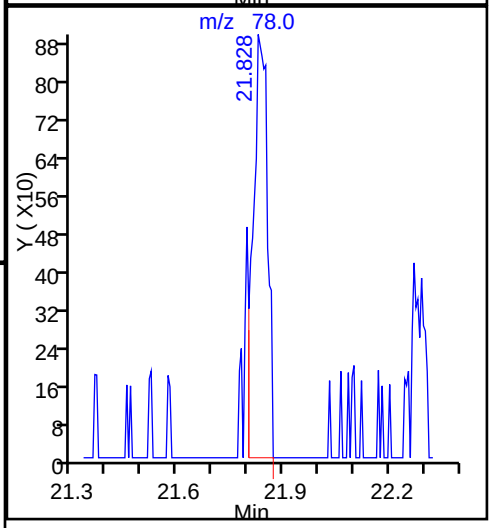
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

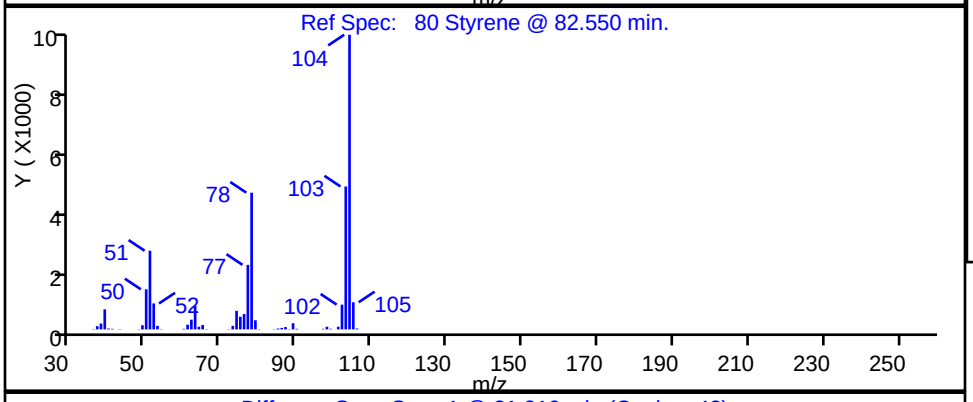
80 Styrene, CAS: 100-42-5

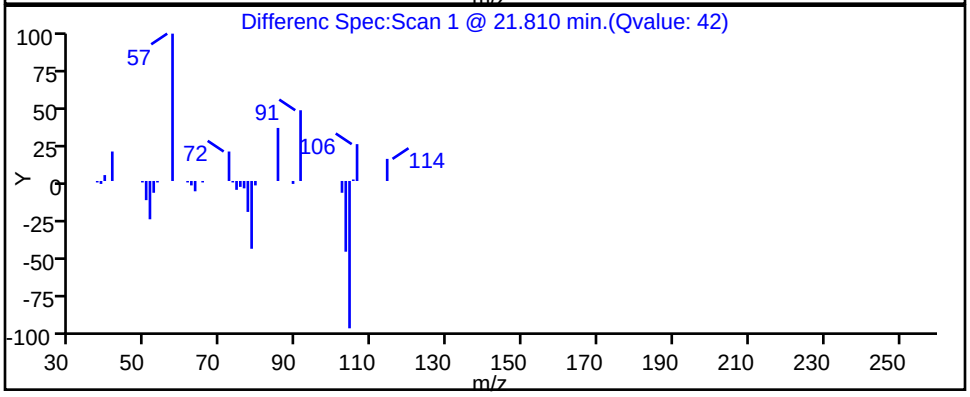








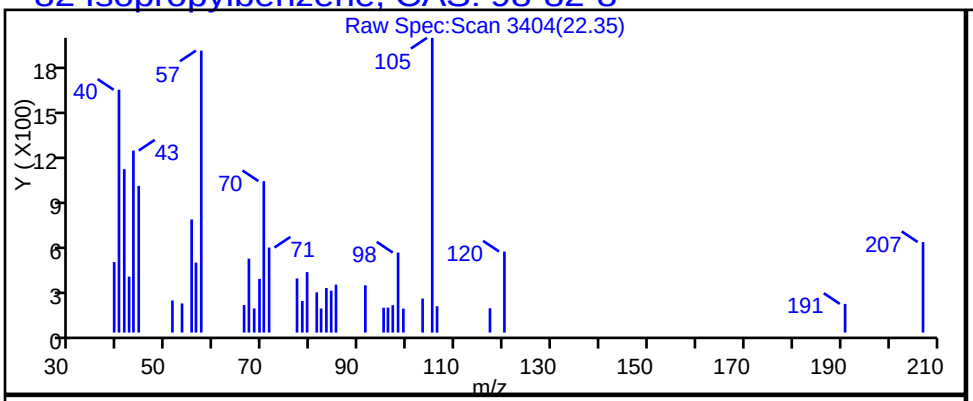


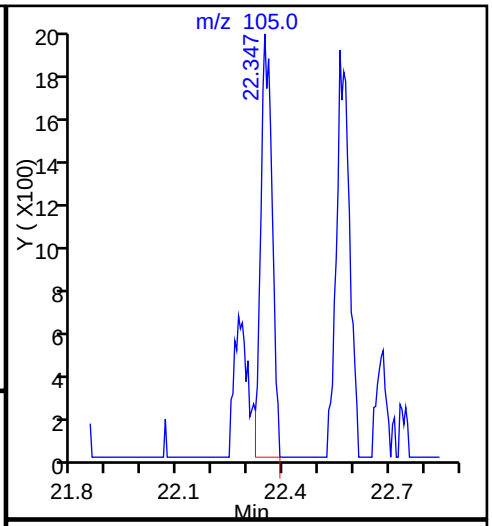


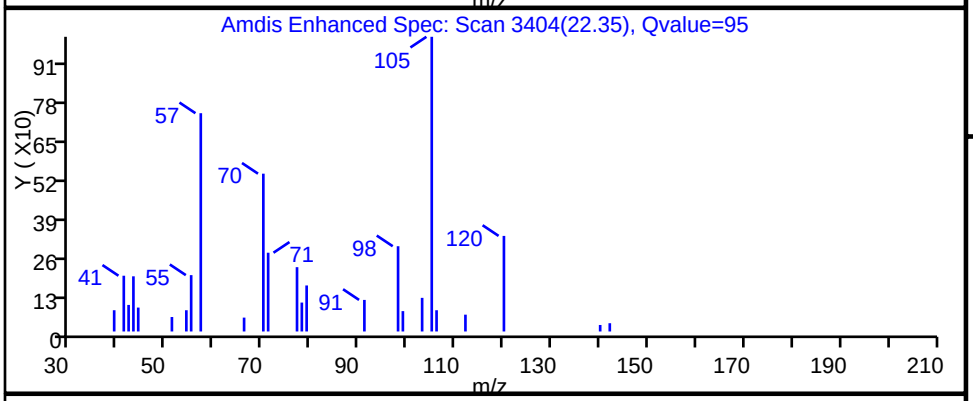
TestAmerica Burlington

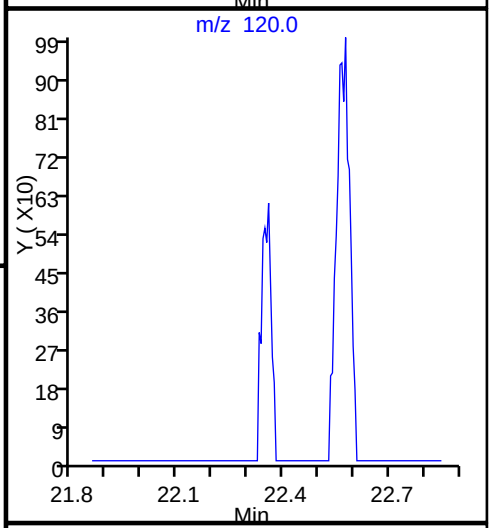
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

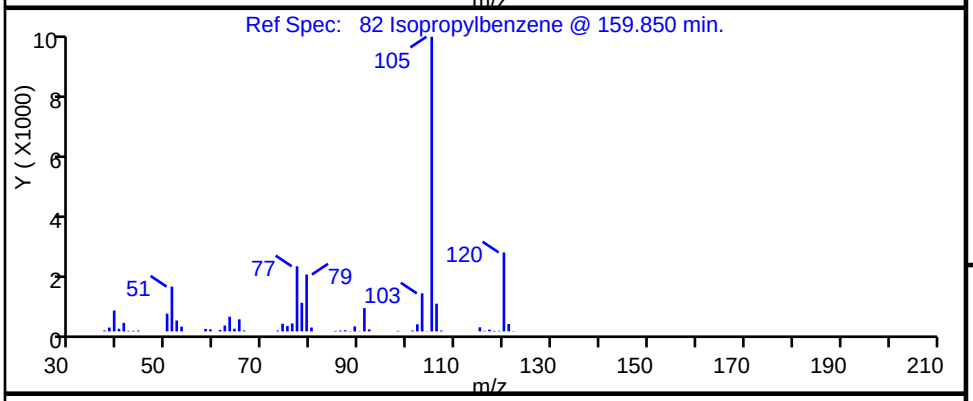
82 Isopropylbenzene, CAS: 98-82-8

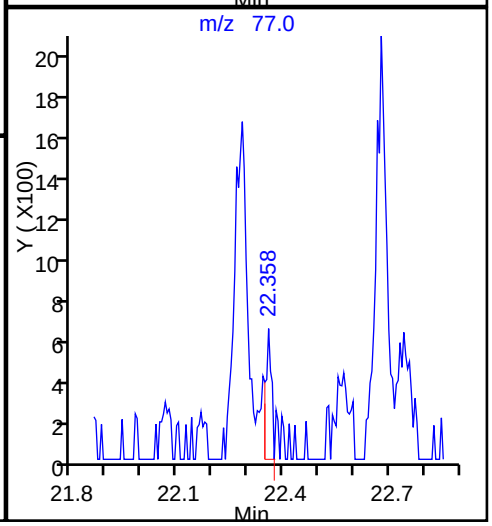


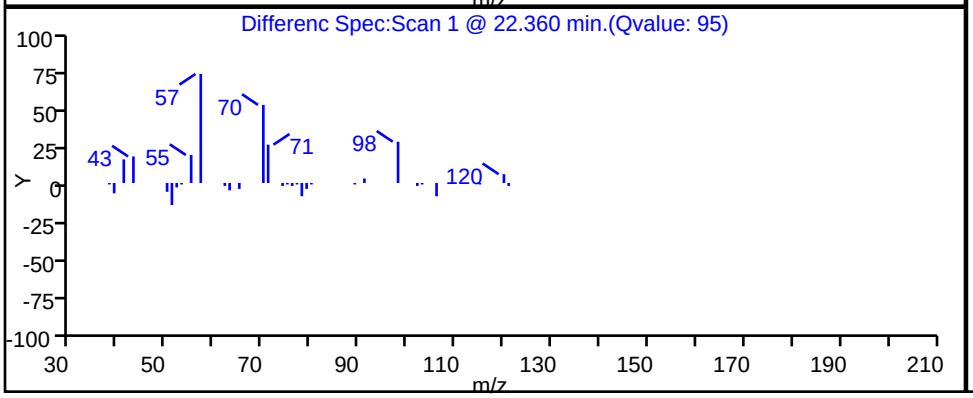










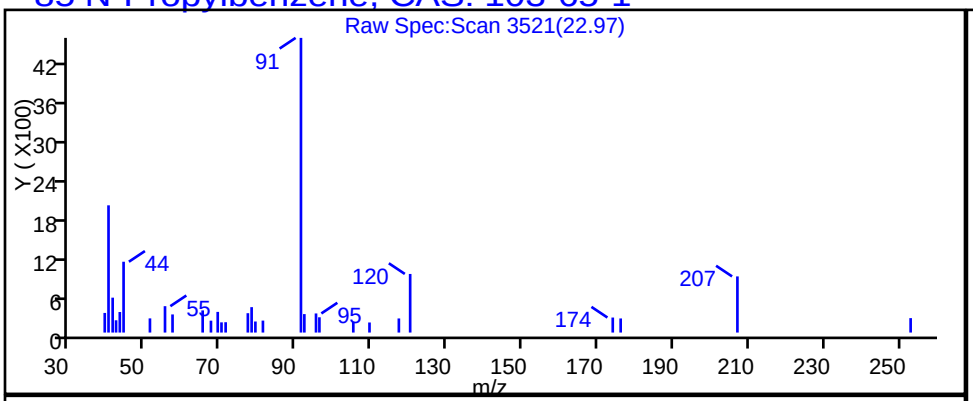


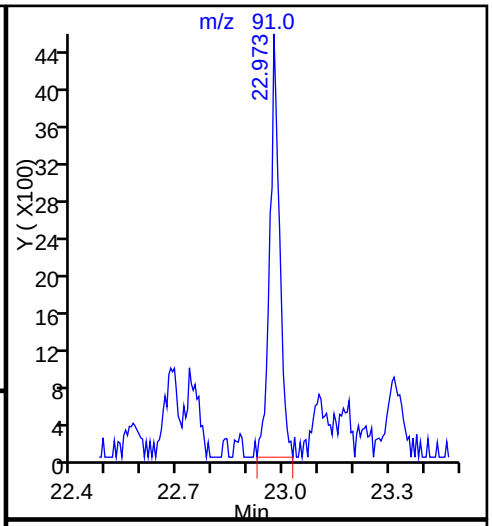
TestAmerica Burlington

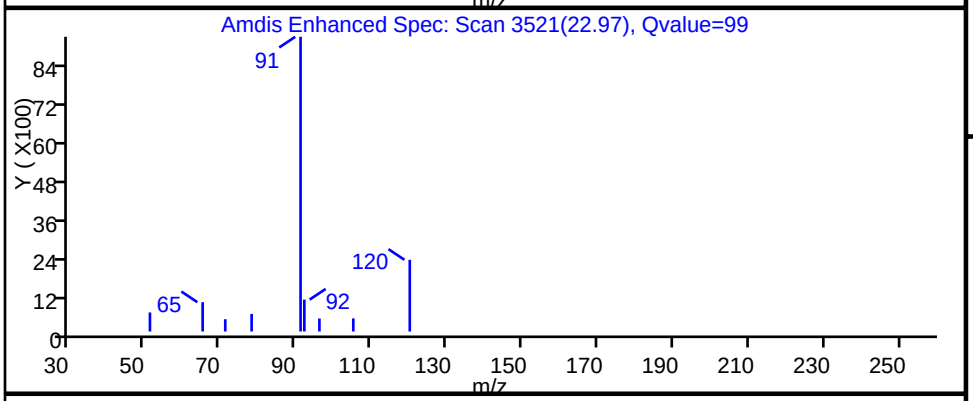
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d

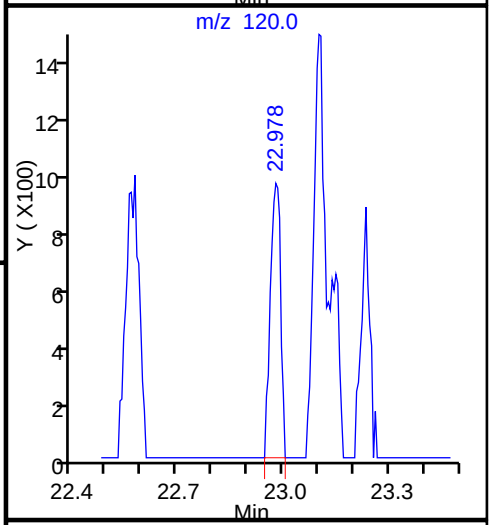
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

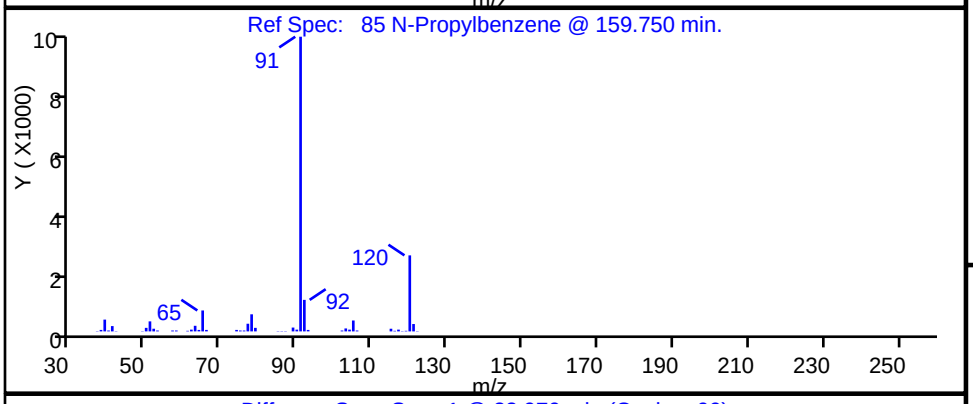
85 N-Propylbenzene, CAS: 103-65-1

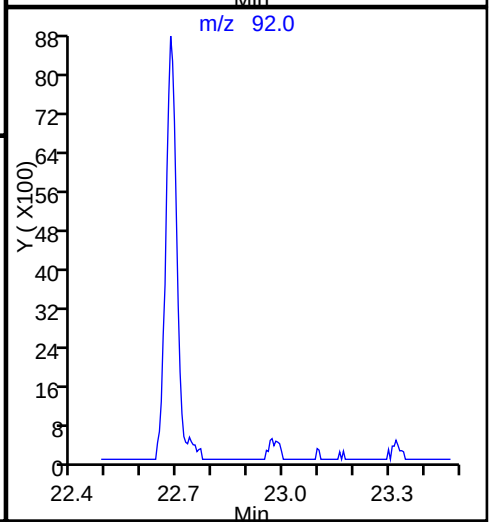


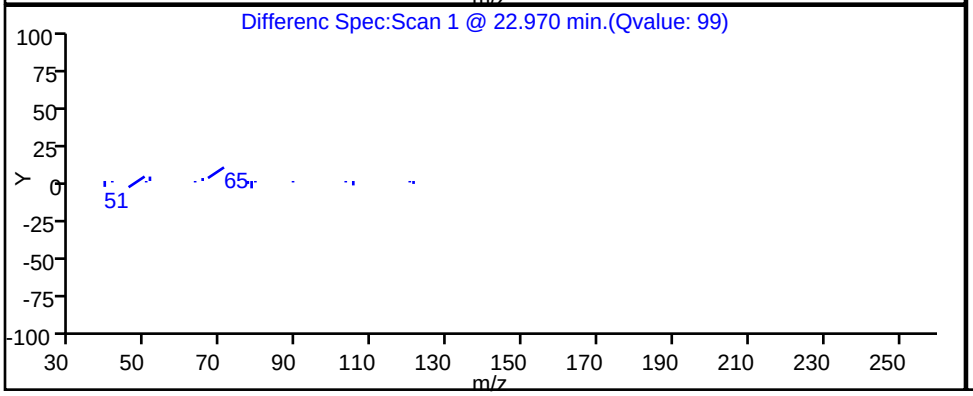








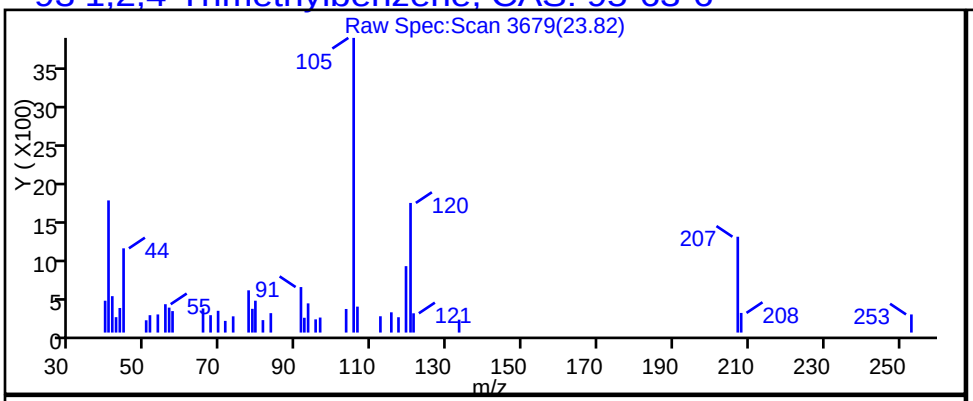


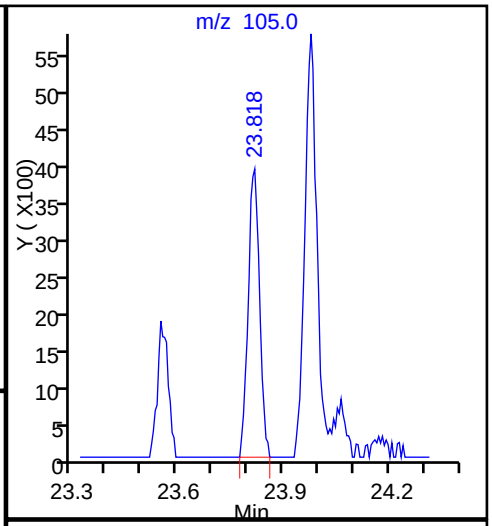


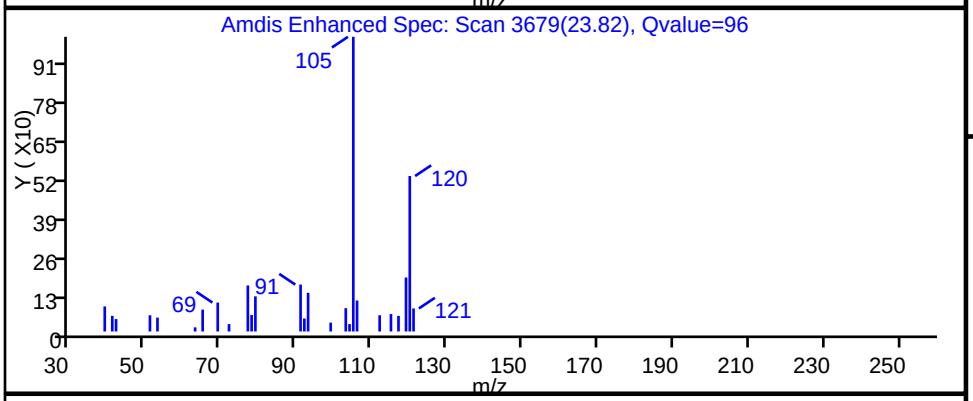
TestAmerica Burlington

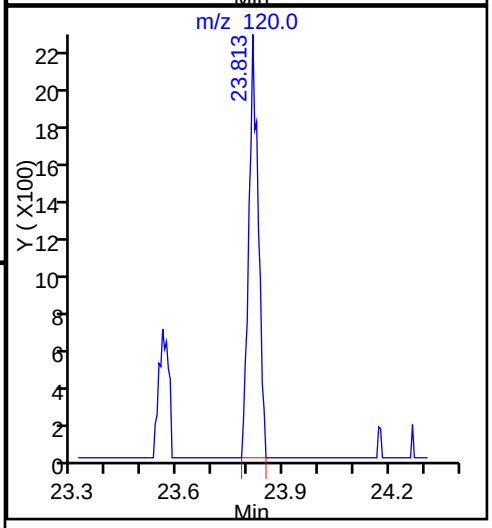
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

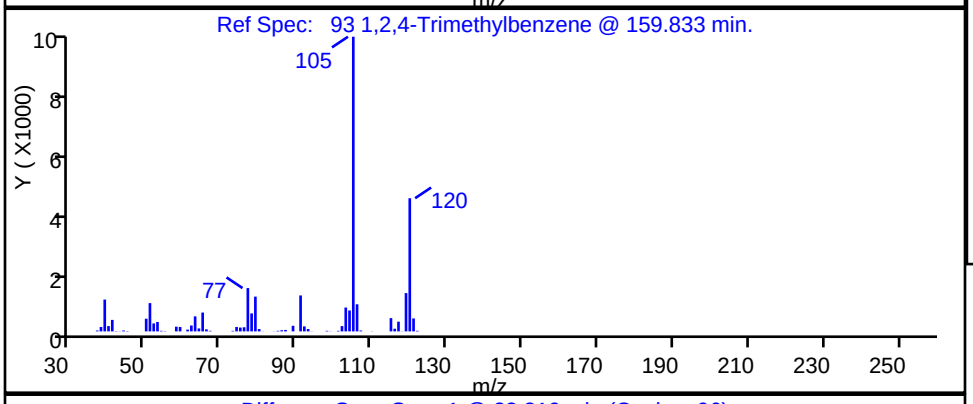
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

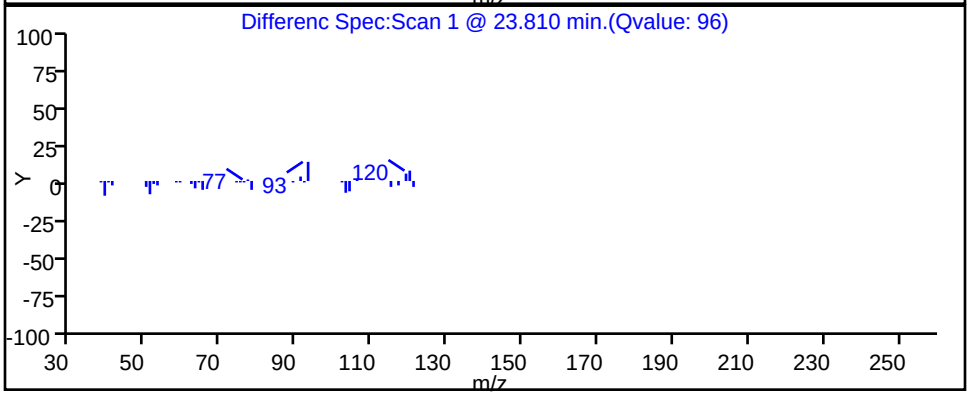








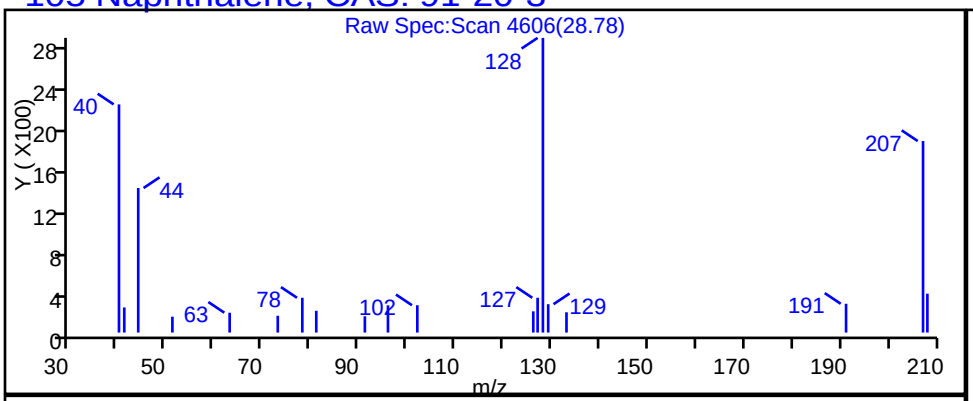


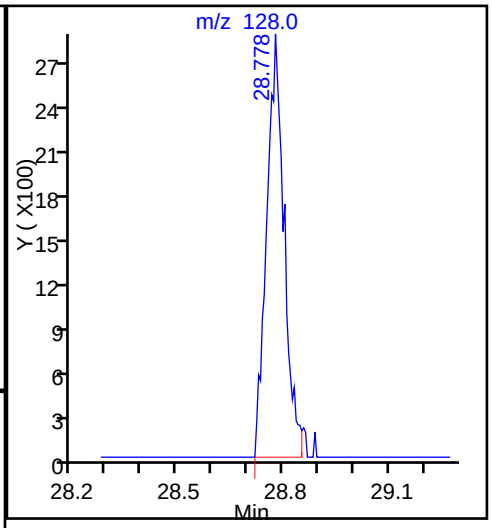


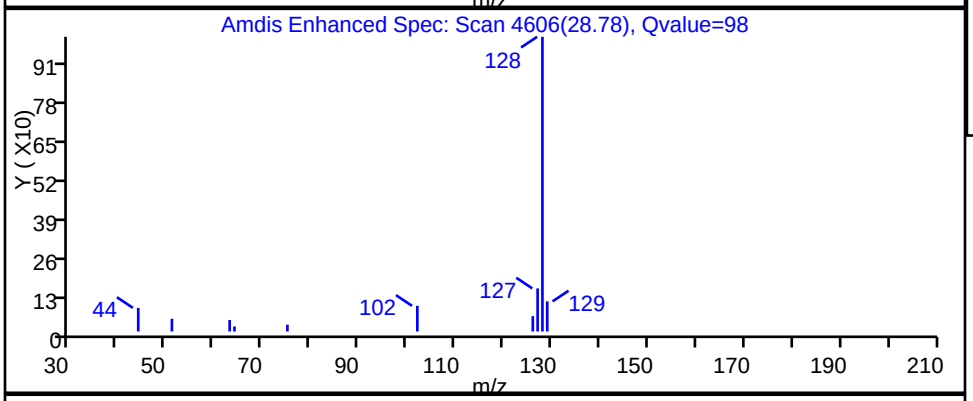
TestAmerica Burlington

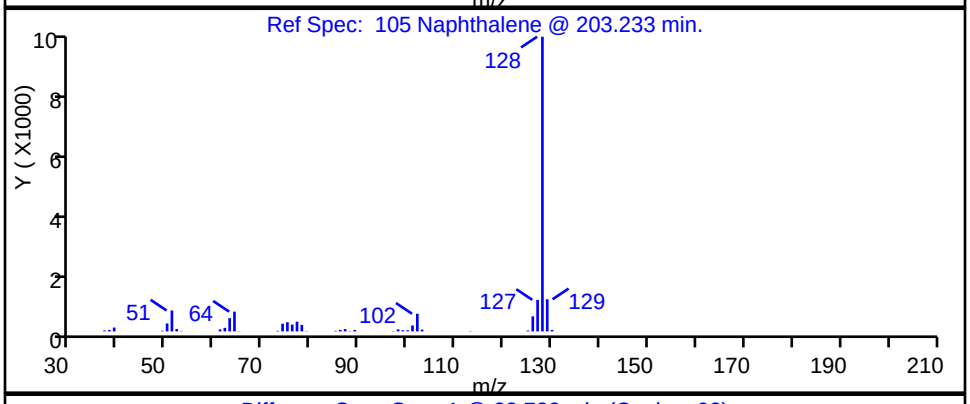
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_018.d				
Injection Date:	10-Sep-2015 22:36:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-14	Lab Sample ID:	200-29580-14		
Client ID:	786VMP0302PA				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

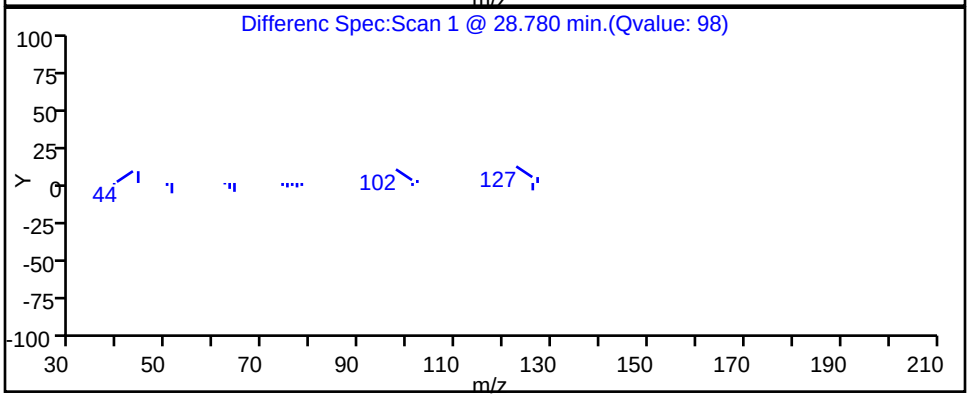
105 Naphthalene, CAS: 91-20-3











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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0102PA Lab Sample ID: 200-29580-15

Matrix: Air Lab File ID: 15679_019.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:10

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 23:26

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.81		0.50	0.056
75-45-6	Freon 22	86.47	0.40	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.15	J	0.50	0.060
106-97-8	n-Butane	58.12	1.8		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.38		0.20	0.045
76-13-1	Freon TF	187.38	0.13	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	6.4		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	1.8	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.22	J M	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.28	J M	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	1.3	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.79		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.23		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.12	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.098	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0102PA | Lab Sample ID: 200-29580-15

Matrix: Air | Lab File ID: 15679_019.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 11:10

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 23:26

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	30		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.21	J	0.50	0.18
108-88-3	Toluene	92.14	0.66		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.95		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	1.0		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.2		0.50	0.025
95-47-6	Xylene, o-	106.17	0.47		0.20	0.018
1330-20-7	Xylene (total)	106.17	1.7		0.70	0.041
100-42-5	Styrene	104.15	0.11	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.092	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.094	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.12	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.10	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.35		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.050	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.30		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.027	J	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0102PA Lab Sample ID: 200-29580-15

Matrix: Air Lab File ID: 15679_019.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:10

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 23:26

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.19	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0102PA Lab Sample ID: 200-29580-15

Matrix: Air Lab File ID: 15679_019.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:10

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 23:26

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	4.0		2.5	0.28
75-45-6	Freon 22	86.47	1.4	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.31	J	1.0	0.12
106-97-8	n-Butane	58.12	4.3		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	2.1		1.1	0.25
76-13-1	Freon TF	187.38	0.99	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	15		12	1.6
67-63-0	Isopropyl alcohol	60.10	4.5	J	12	0.37
75-15-0	Carbon disulfide	76.14	0.69	J M	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.97	J M	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	4.1	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	2.3		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	1.1		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.78	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.31	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0102PA | Lab Sample ID: 200-29580-15

Matrix: Air | Lab File ID: 15679_019.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 11:10

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 23:26

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	160		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.88	J	2.0	0.74
108-88-3	Toluene	92.14	2.5		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	6.4		1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	4.5		0.87	0.087
179601-23-1	m,p-Xylene	106.17	5.0		2.2	0.11
95-47-6	Xylene, o-	106.17	2.0		0.87	0.078
1330-20-7	Xylene (total)	106.17	7.3		3.0	0.18
100-42-5	Styrene	104.15	0.45	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.45	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.46	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.59	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.50	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	1.7		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.27	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.8		1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.16	J	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0102PA Lab Sample ID: 200-29580-15

Matrix: Air Lab File ID: 15679_019.d

Analysis Method: TO-15 Date Collected: 09/01/2015 11:10

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 23:26

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.99	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Sample Type: Client
Inject. Date: 10-Sep-2015 23:26:30 ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-019
Misc. Info.: 29580-15
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:38:02 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:38:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.404	4.415	-0.011	99	42162	0.8108	
3 Chlorodifluoromethane	51	4.479	4.485	-0.006	96	9461	0.4041	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	4.993	4.998	-0.005	90	2003	0.1484	
6 Butane	43	5.271	5.282	-0.011	98	35401	1.80	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.288	0.005	97	21640	0.3778	
20 1,1,2-Trichloro-1,2,2-trif	101	8.588	8.593	-0.005	92	5587	0.1296	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.957	8.946	0.011	96	134794	6.44	
23 Carbon disulfide	76	9.171	9.171	0.005	97	11042	0.2200	M
24 Isopropyl alcohol	45	9.230	9.224	0.006	98	33166	1.83	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.930	9.925	-0.001	77	4558	0.2798	M
28 2-Methyl-2-propanol	59	10.123	10.123	0.000	95	38338	1.34	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57		10.856				ND	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72	12.664	12.654	0.010	98	8365	0.7908	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	72	161400	10.0	
41 Tetrahydrofuran	42		13.114				ND	
42 Chloroform	83	13.221	13.221	0.000	92	9744	0.2290	
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.788	13.788	0.000	96	5770	0.1233	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.253	14.259	-0.005	93	6476	0.0985	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	764445	10.0	
53 Trichloroethene	95	15.483	15.484	-0.001	94	938029	30.4	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.629	0.005	93	7270	0.2141	
65 Toluene	92	17.960	17.960	0.000	92	38826	0.6591	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166	18.993	18.993	0.000	95	60510	0.9475	
69 2-Hexanone	43	19.271	19.266	0.005	94	4608	0.1221	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		1.62	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	816994	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.903	20.903	0.000	96	133438	1.04	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	99	61161	1.15	
79 o-Xylene	106	21.801	21.807	-0.006	98	25537	0.4668	
80 Styrene	104	21.839	21.839	0.000	93	8881	0.1061	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.358	22.353	0.005	95	14373	0.0922	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.973	22.979	-0.006	99	16894	0.0941	
88 4-Ethyltoluene	105	23.144	23.144	0.000	98	19073	0.1193	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.230	23.235	-0.005	93	13905	0.1021	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	47855	0.3481	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.262	24.268	-0.006	95	8598	0.0495	
96 1,3-Dichlorobenzene	146	24.337	24.337	0.000	93	31540	0.2966	
97 1,4-Dichlorobenzene	146	24.482	24.487	-0.005	91	2870	0.0271	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.772	28.772	0.000	99	31554	0.1894	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

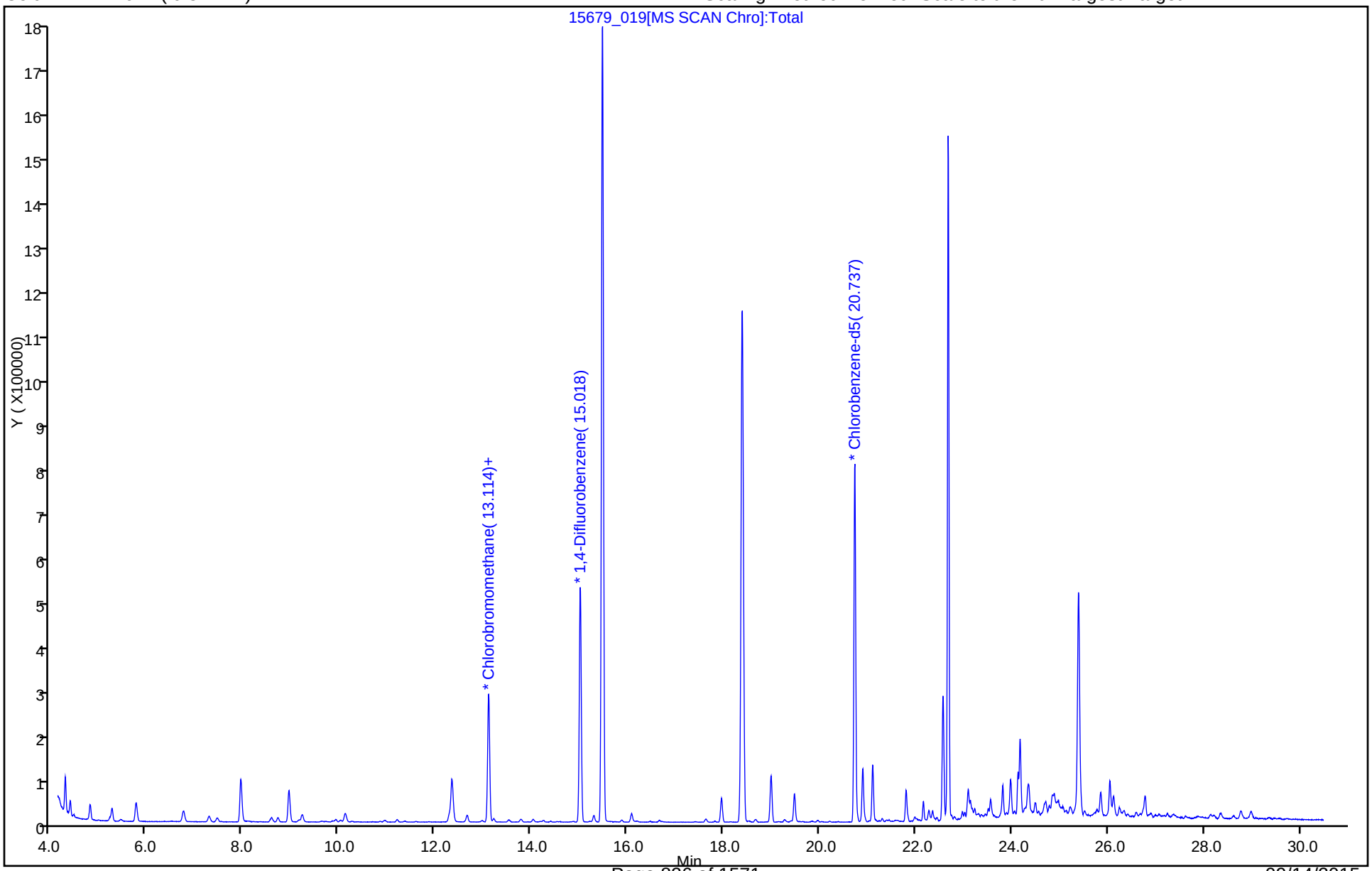
Report Date: 11-Sep-2015 11:38:03 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d

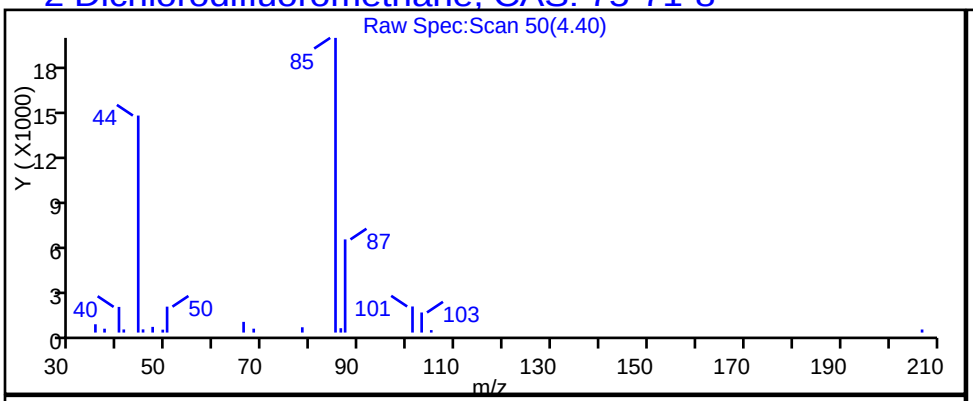
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15	Worklist Smp#:	19
Client ID:	786VMP0102PA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

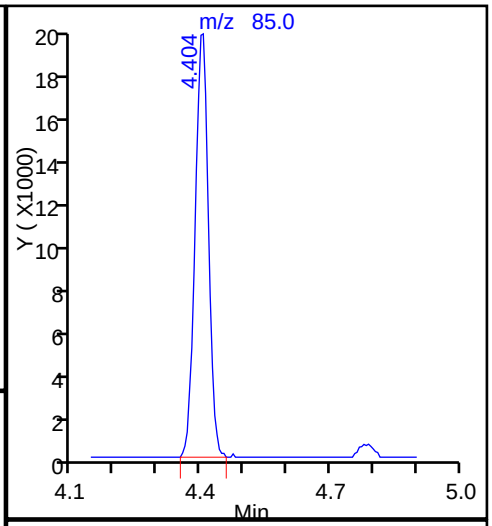
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

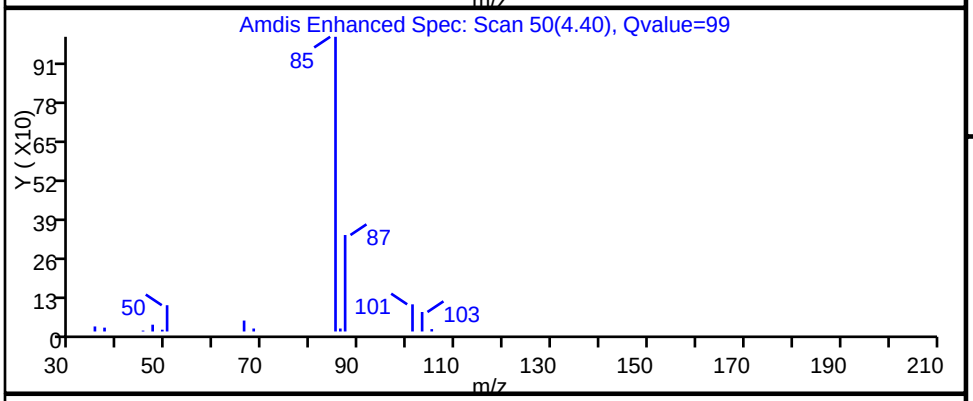


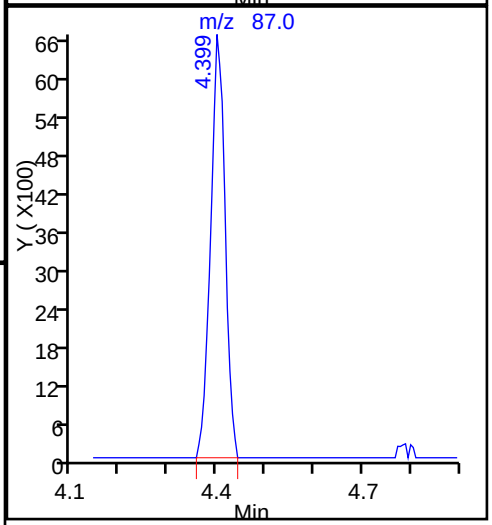
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

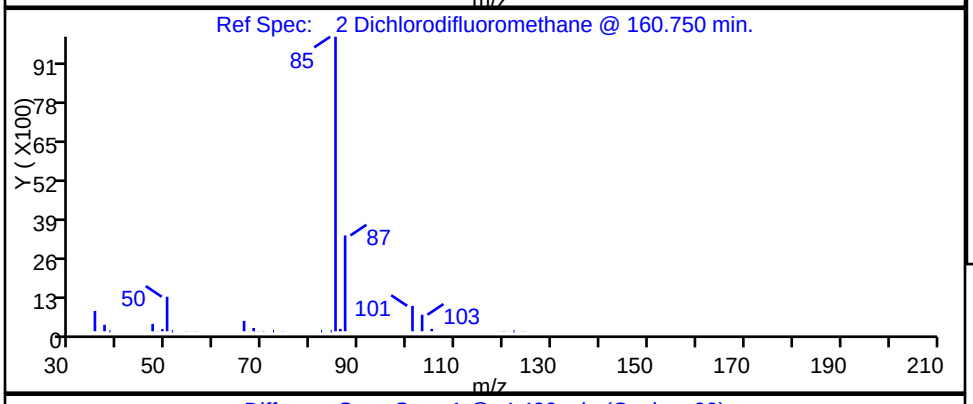
2 Dichlorodifluoromethane, CAS: 75-71-8

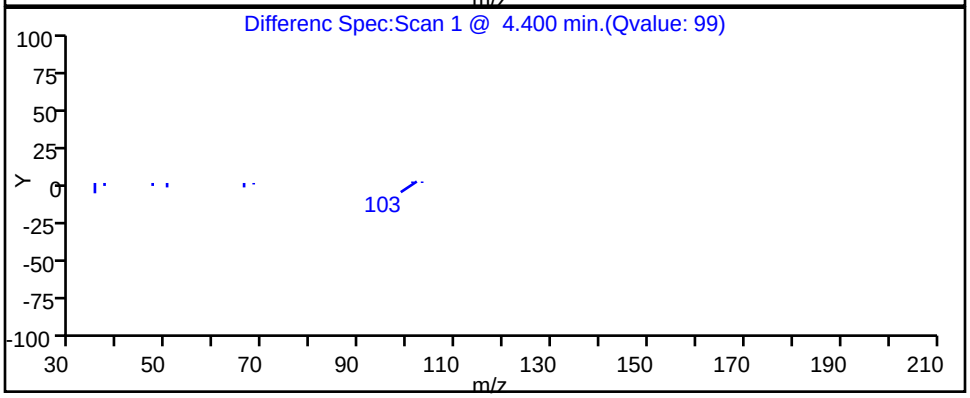






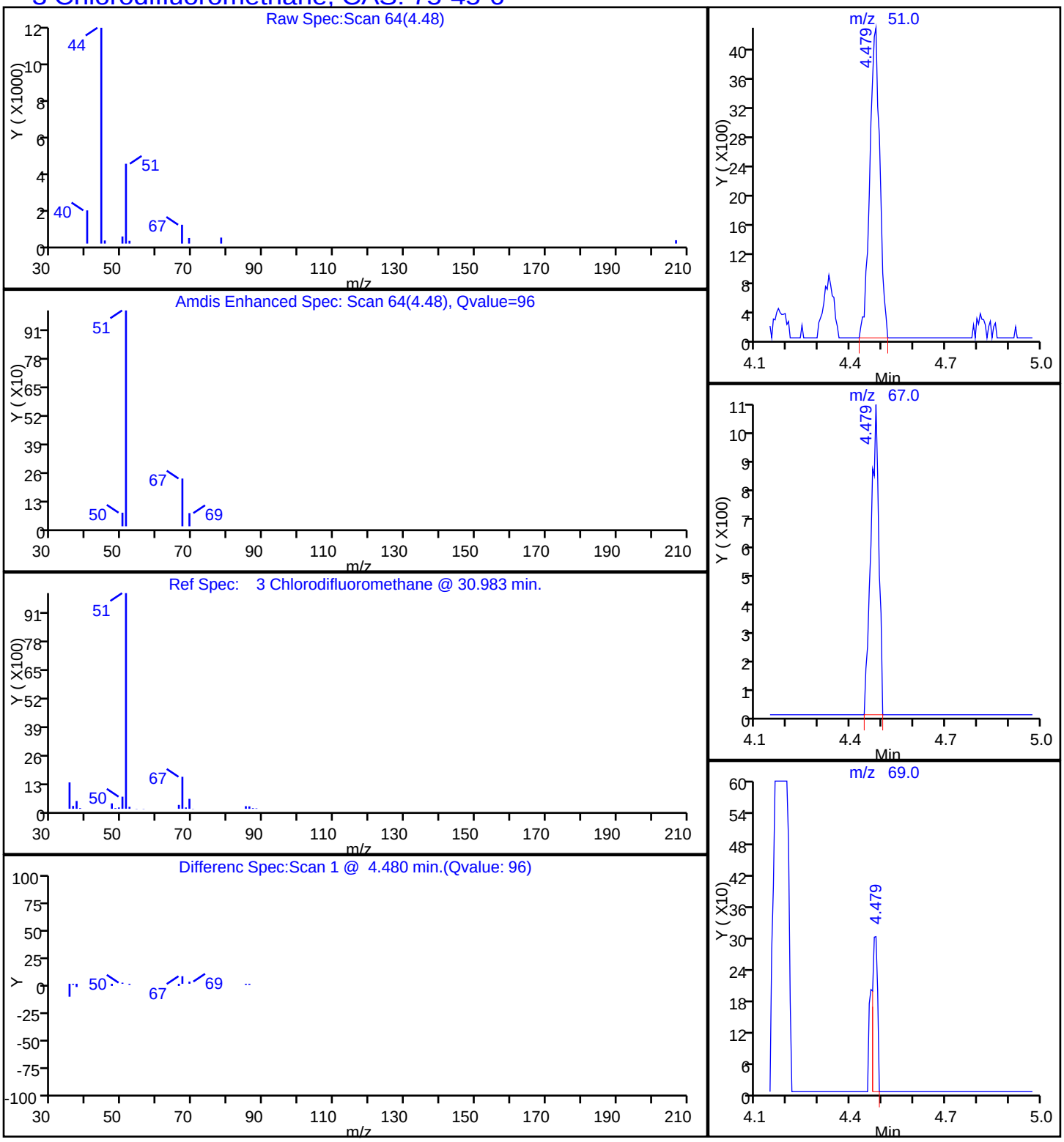






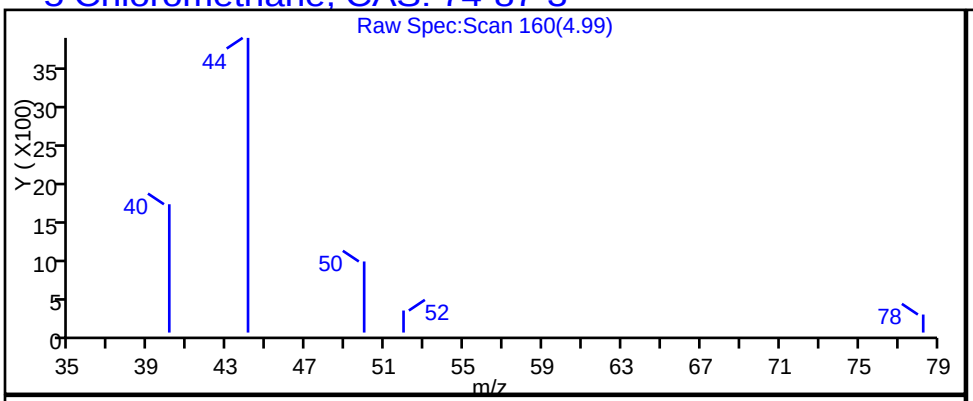
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

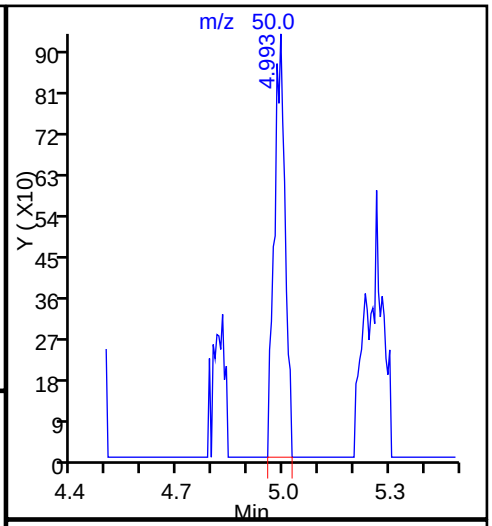
3 Chlorodifluoromethane, CAS: 75-45-6

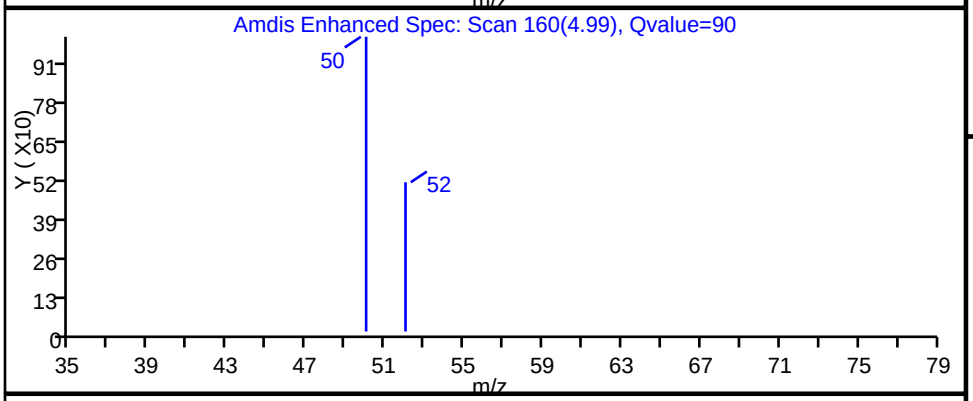


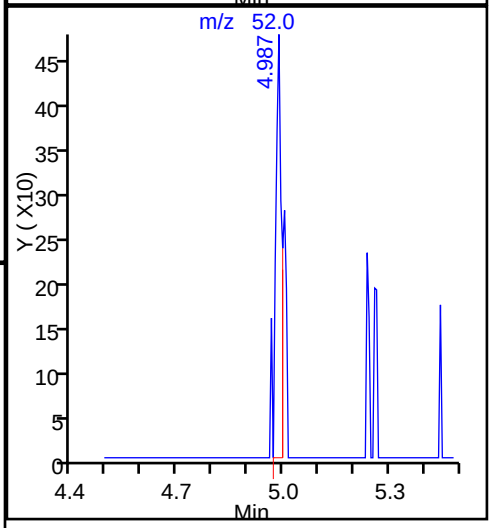
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

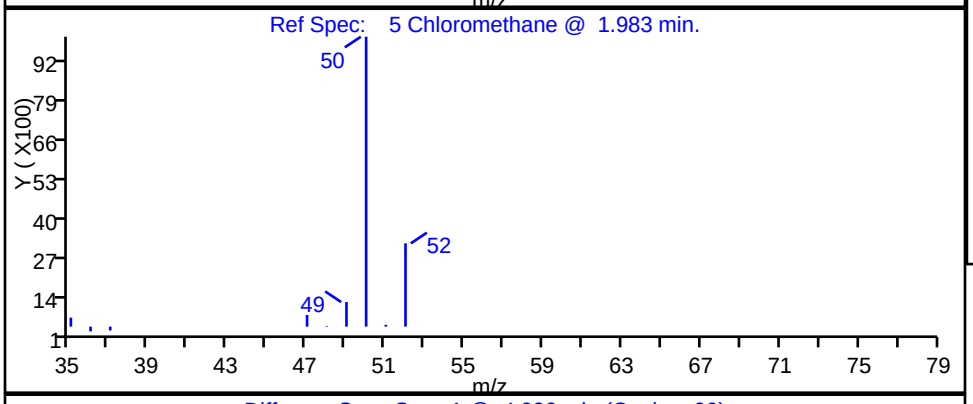
5 Chloromethane, CAS: 74-87-3

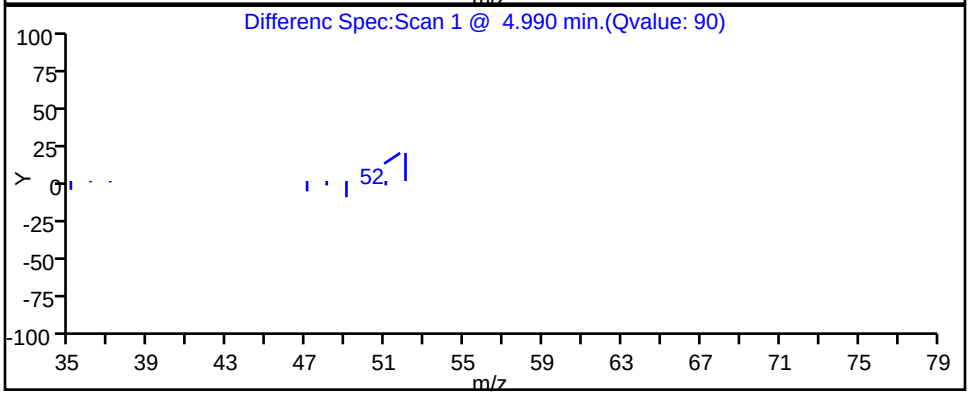








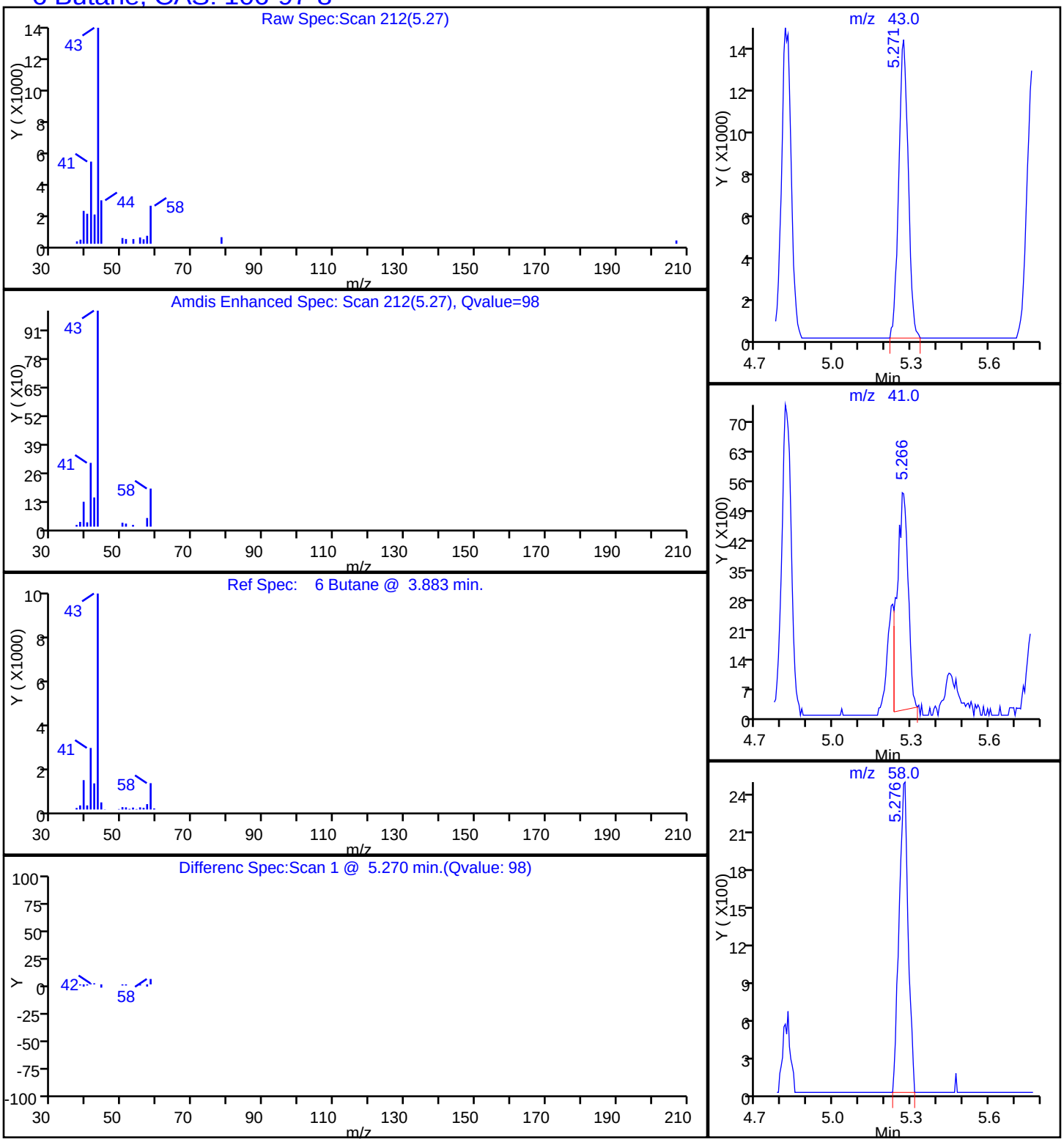




TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

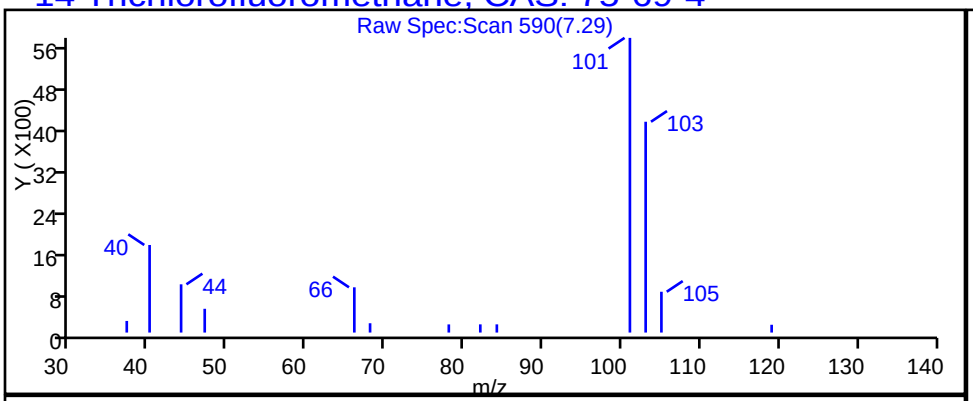
6 Butane, CAS: 106-97-8

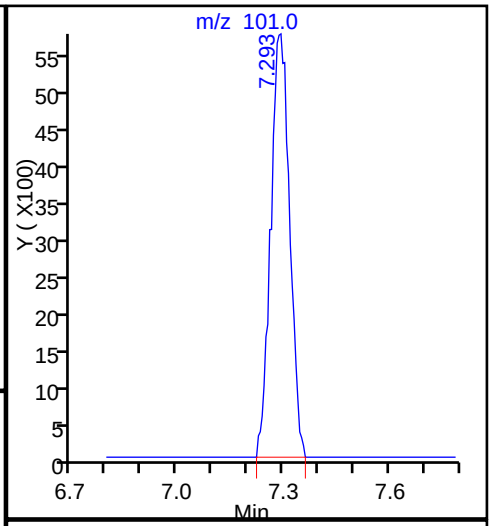


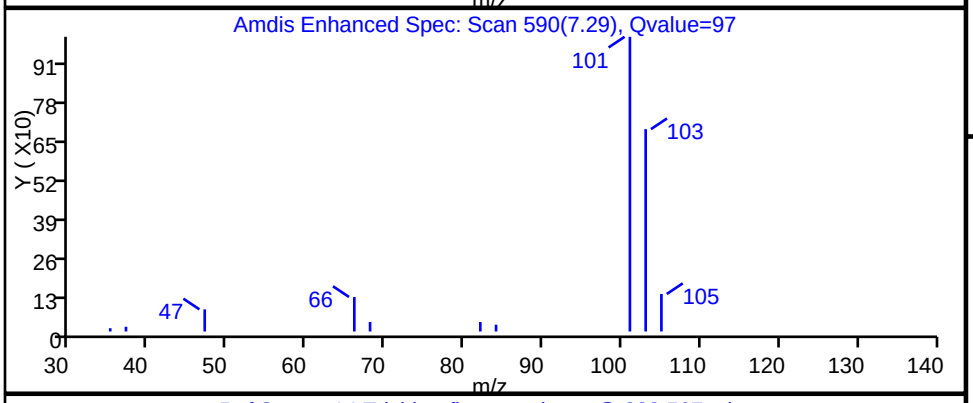
TestAmerica Burlington

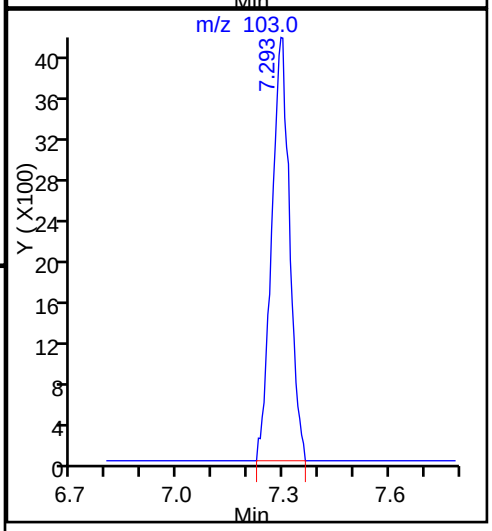
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

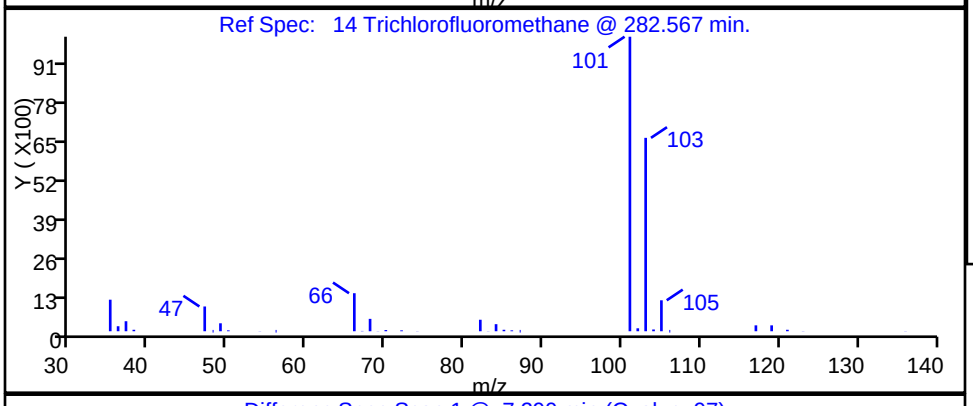
14 Trichlorofluoromethane, CAS: 75-69-4

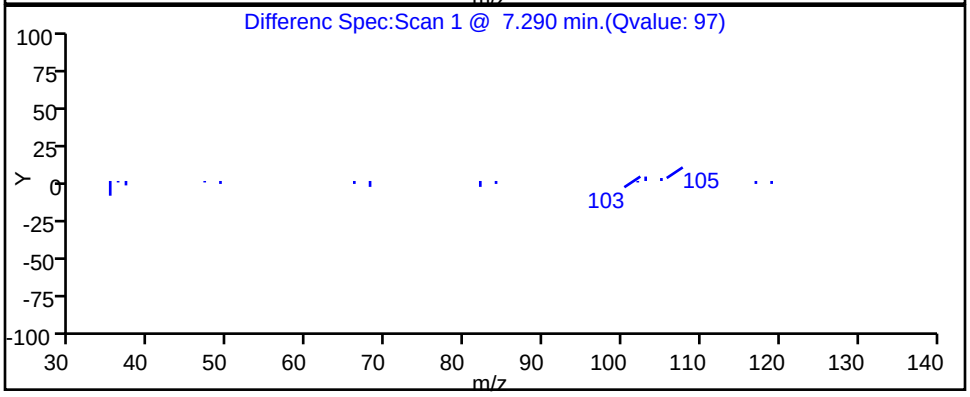








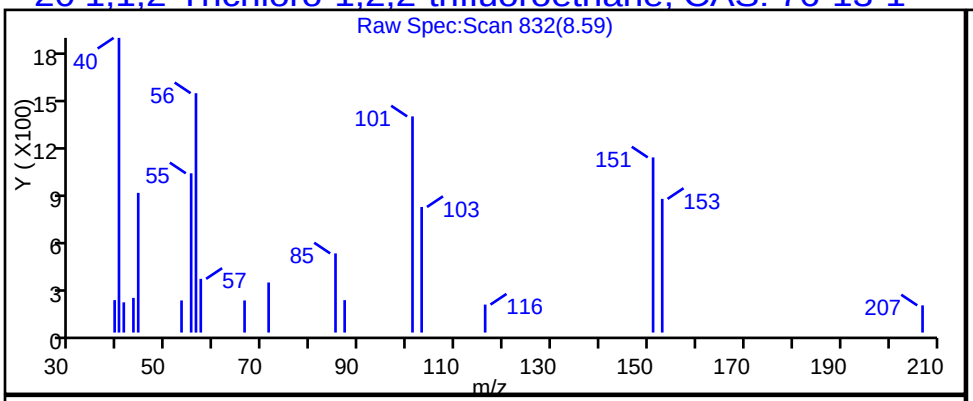


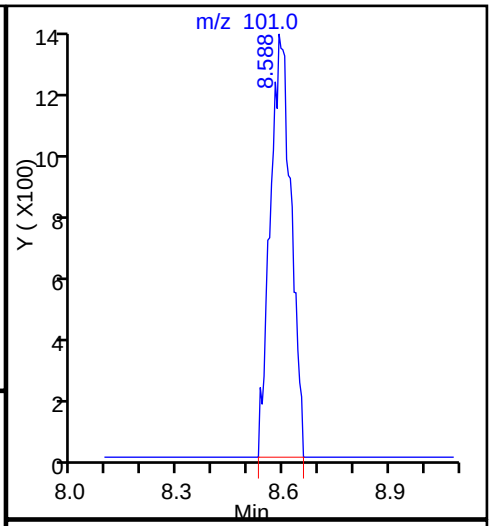


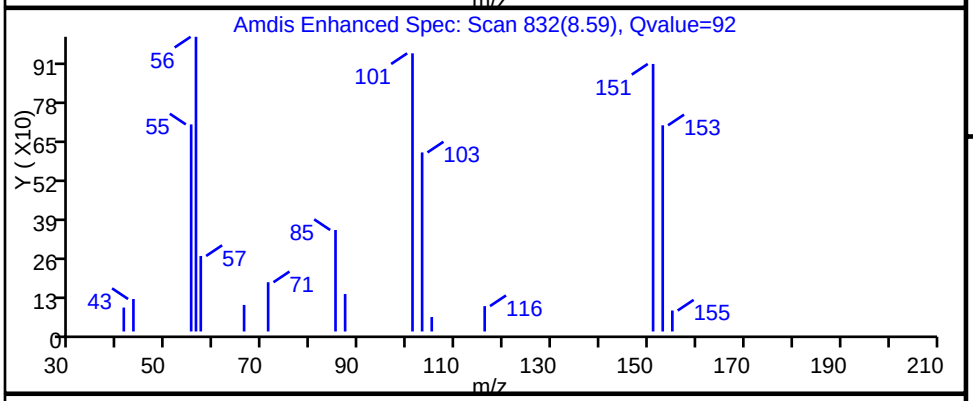
TestAmerica Burlington

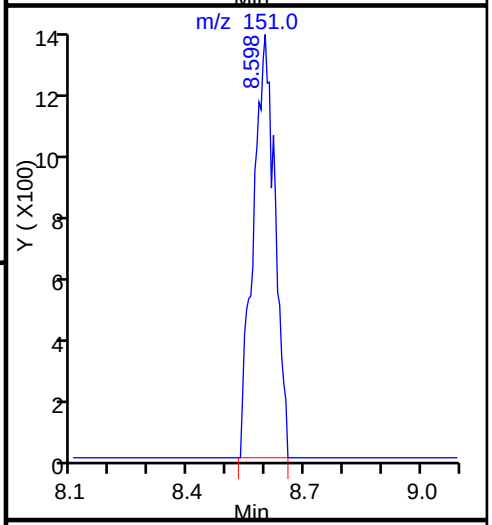
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

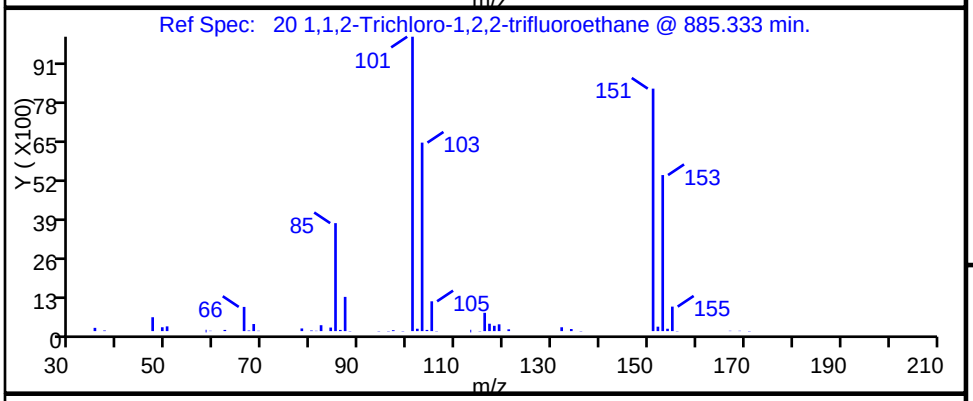
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

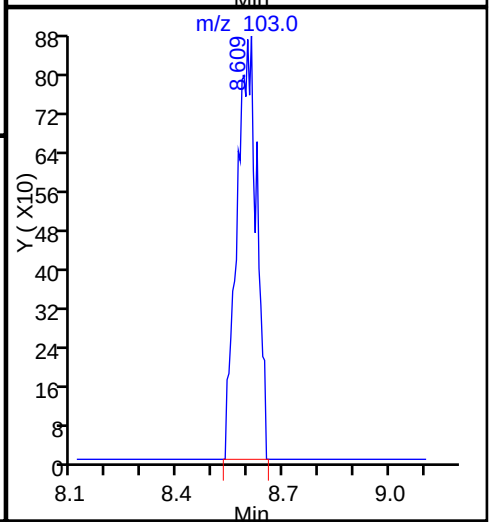


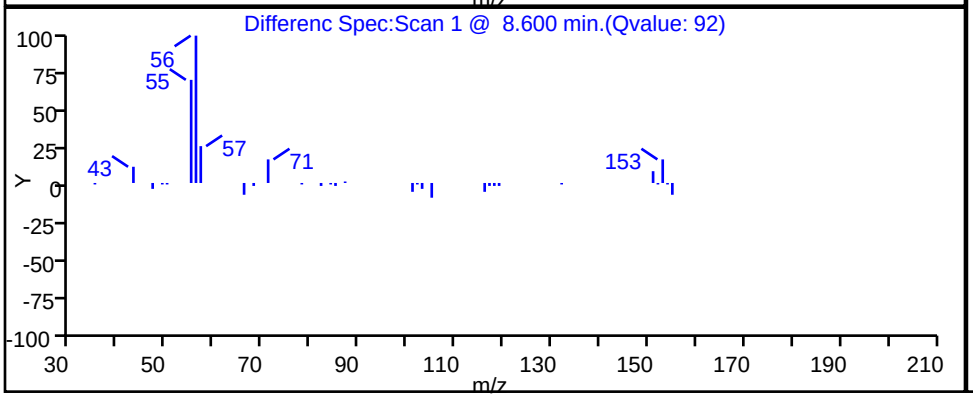






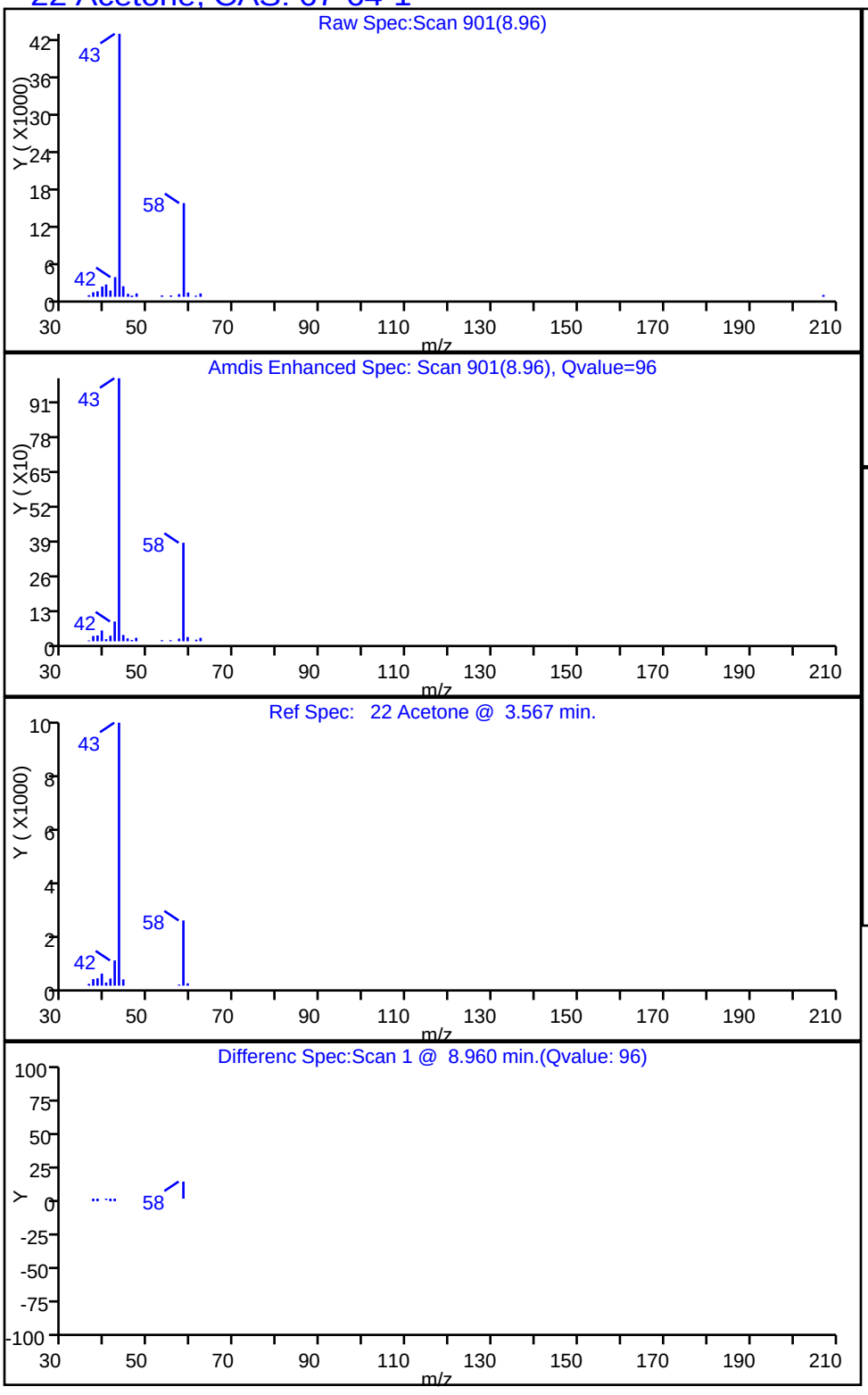


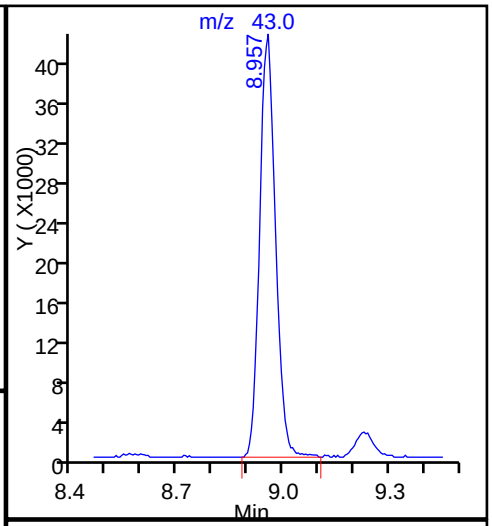


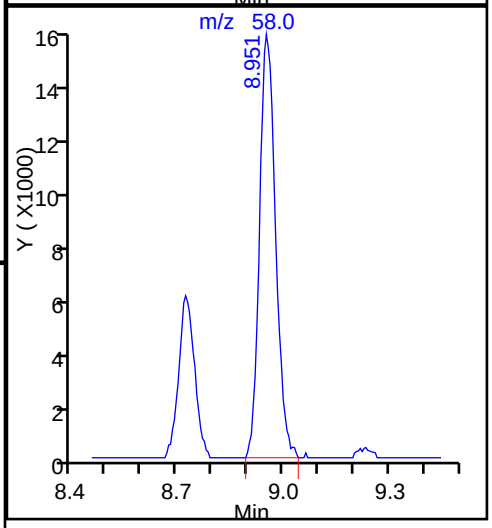


Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1



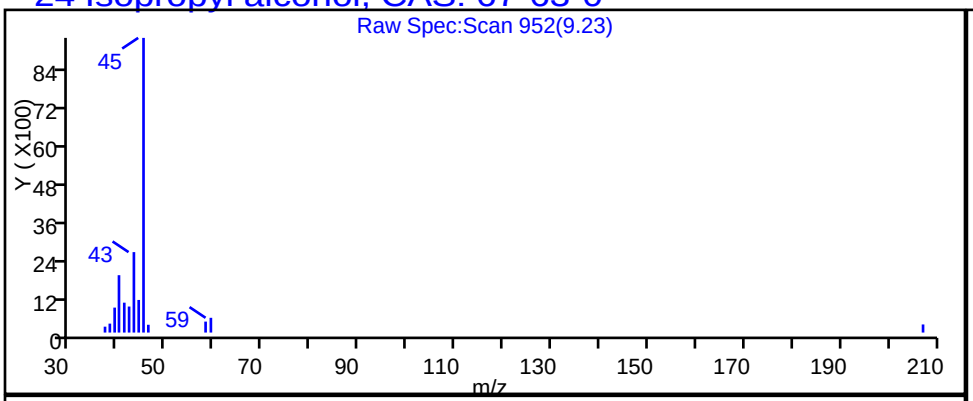


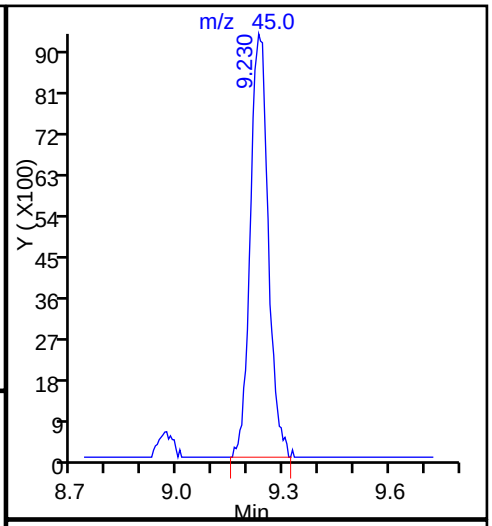


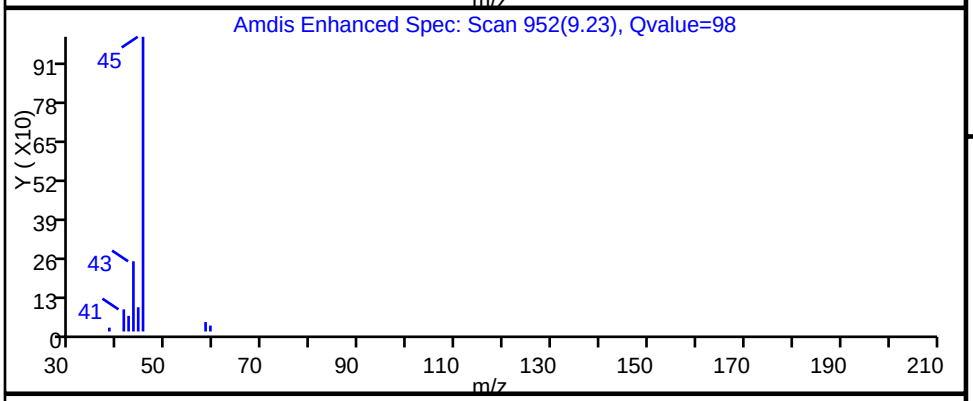
TestAmerica Burlington

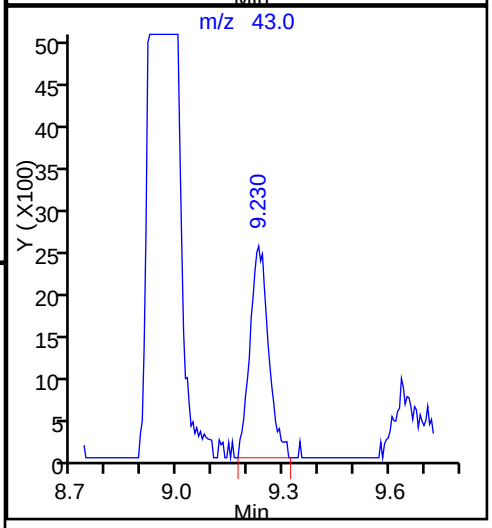
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

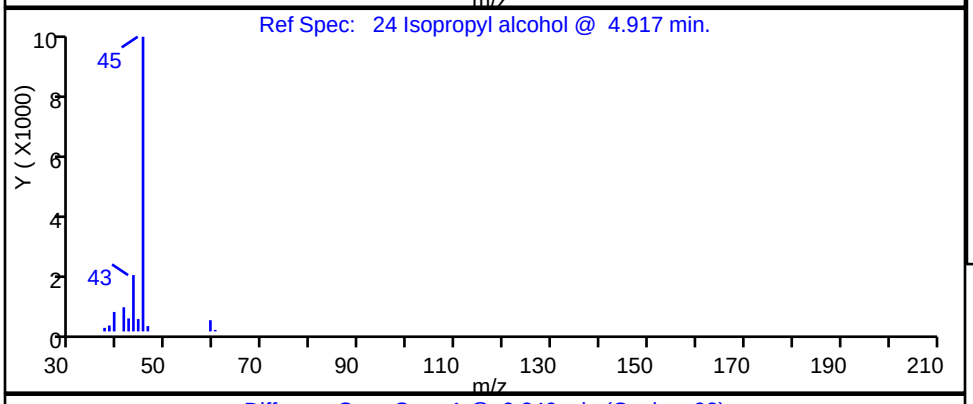
24 Isopropyl alcohol, CAS: 67-63-0

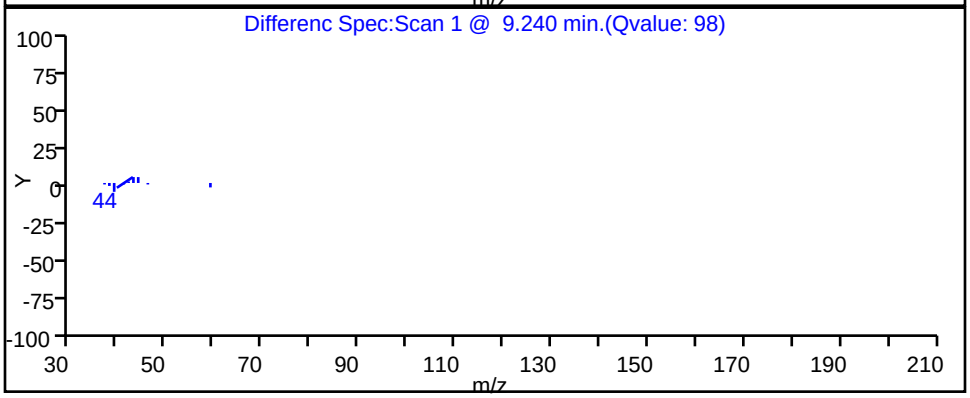






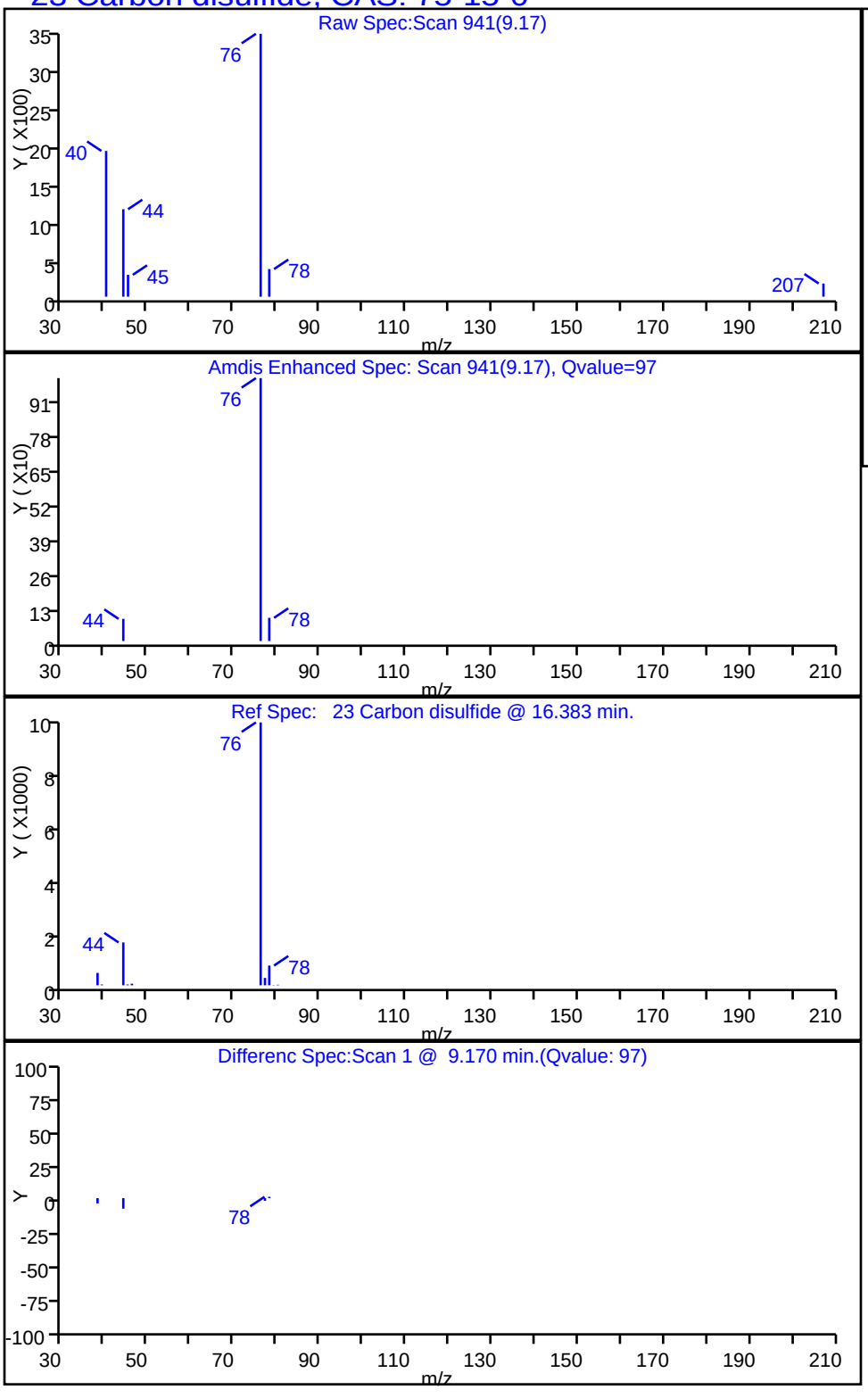


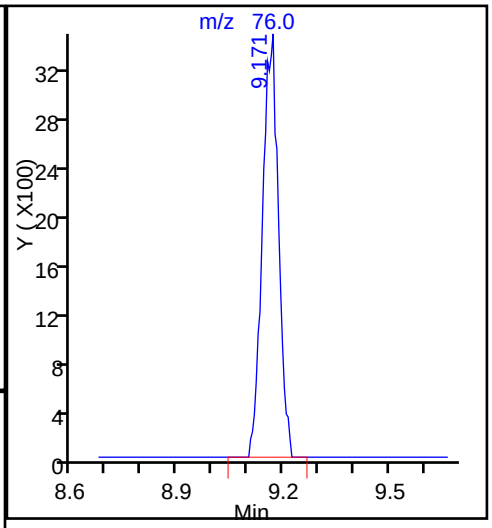




Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

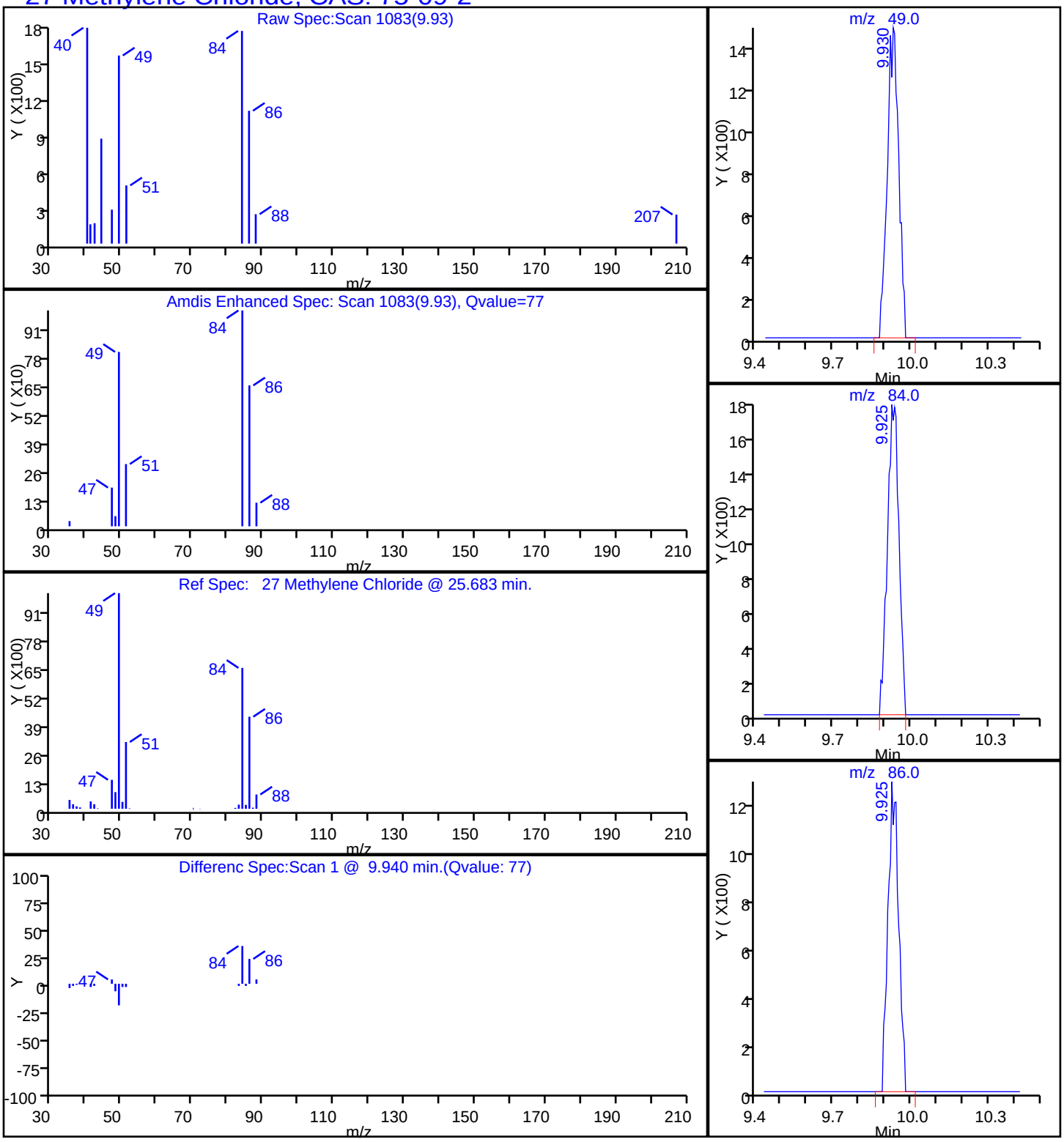
23 Carbon disulfide, CAS: 75-15-0





Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

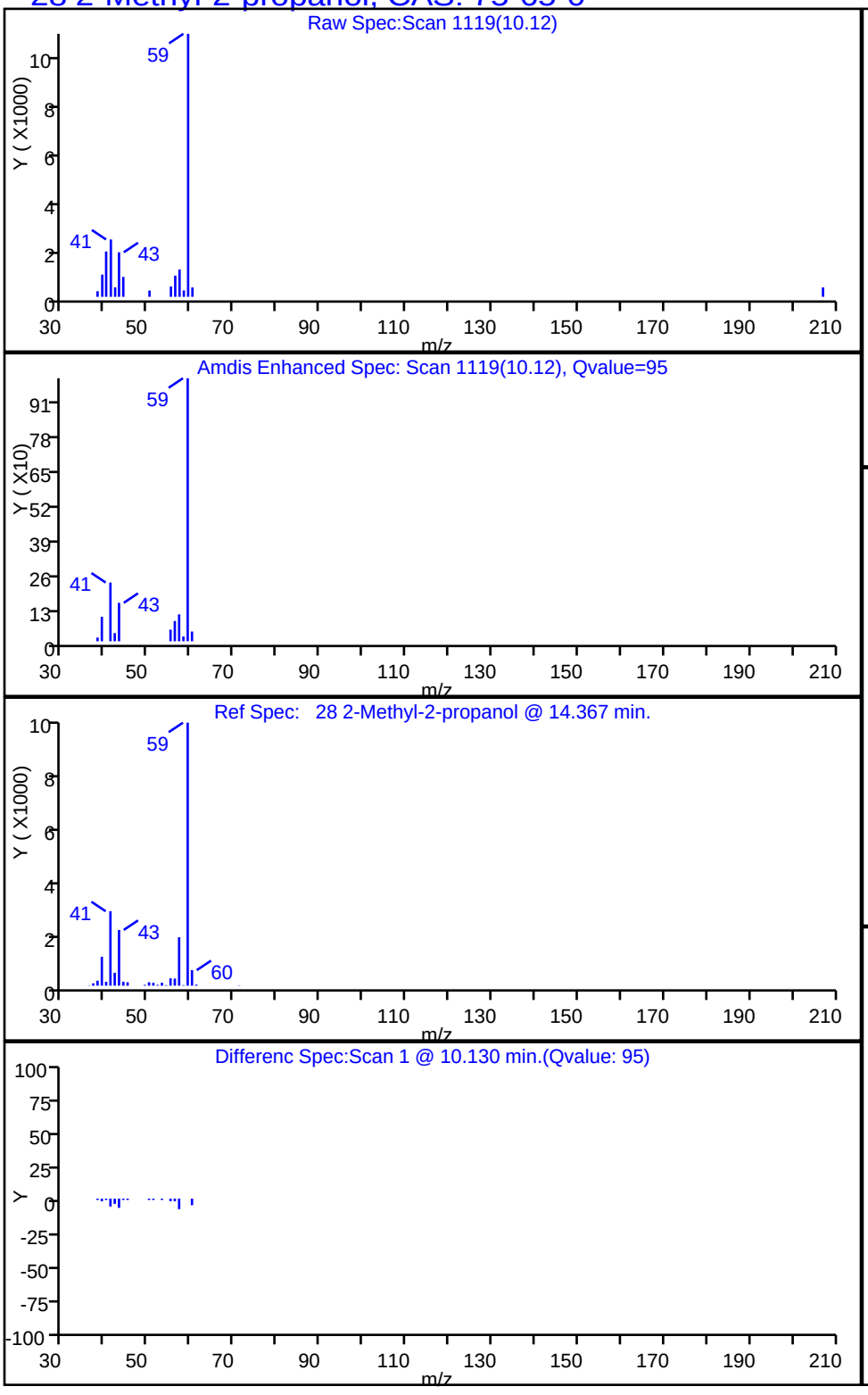
27 Methylene Chloride, CAS: 75-09-2

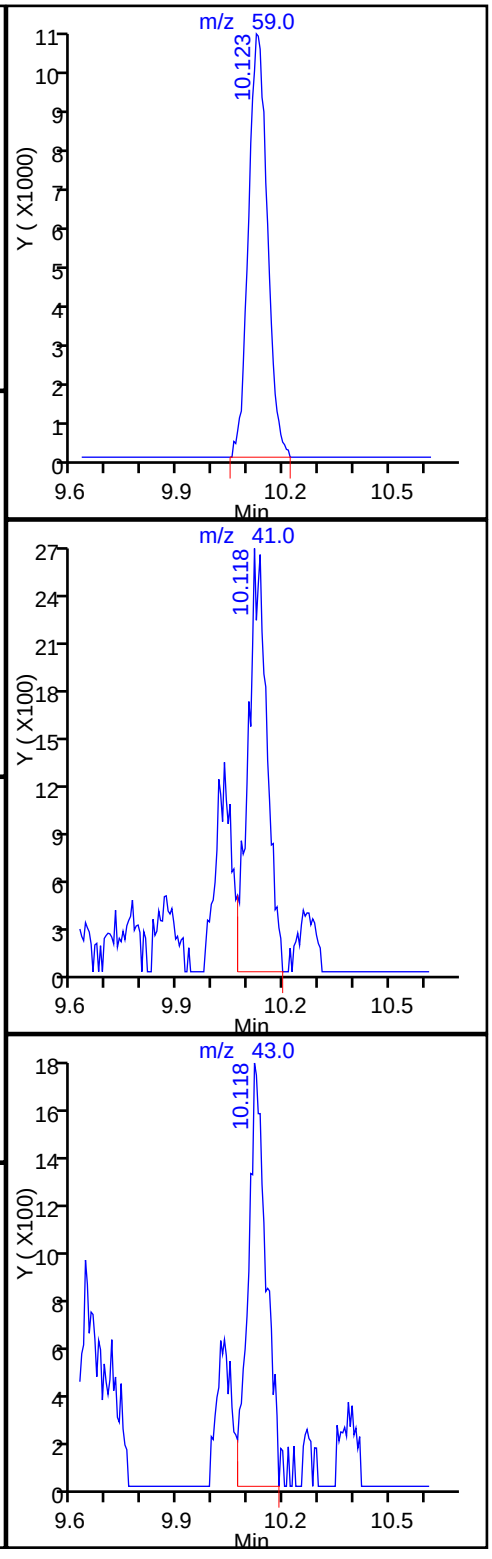


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

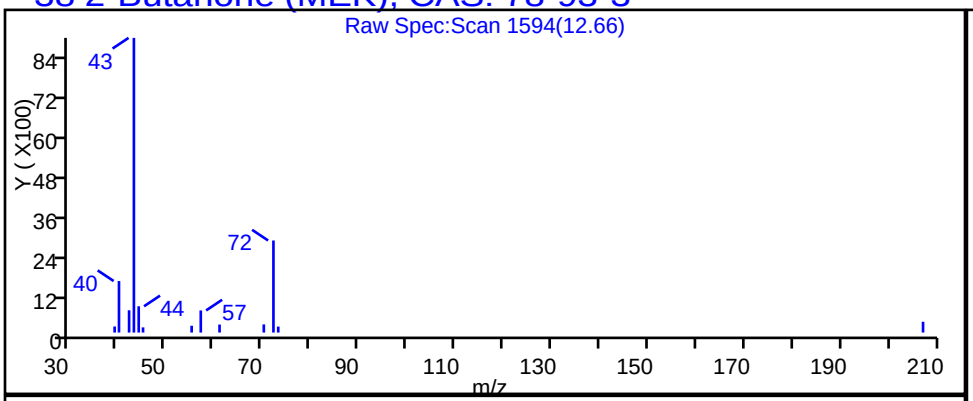


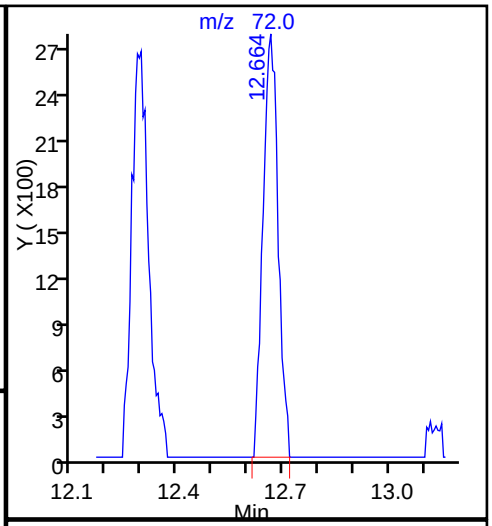


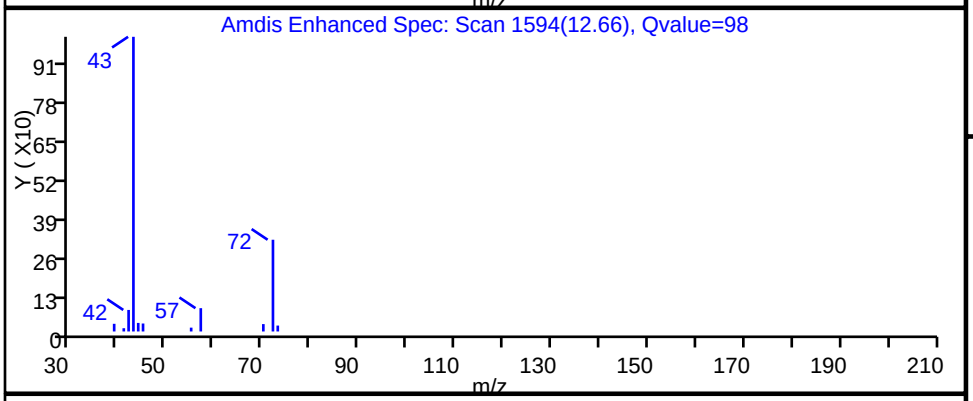
TestAmerica Burlington

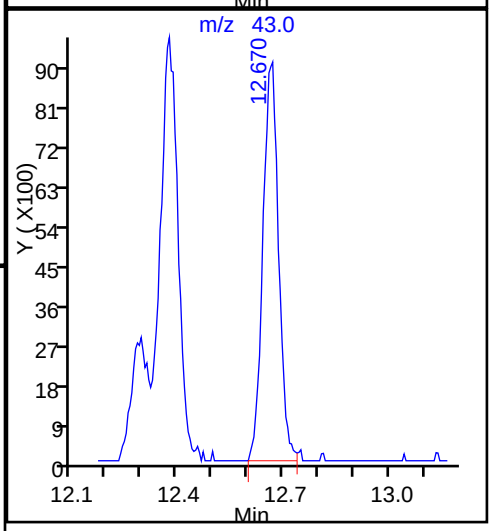
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

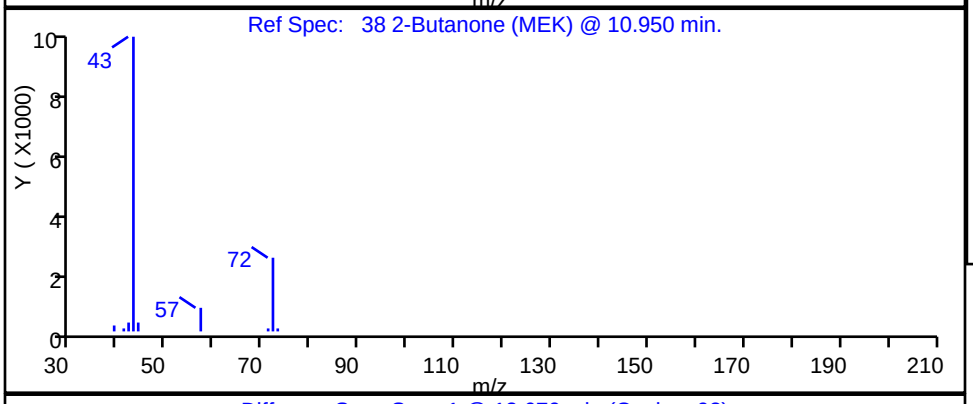
38 2-Butanone (MEK), CAS: 78-93-3

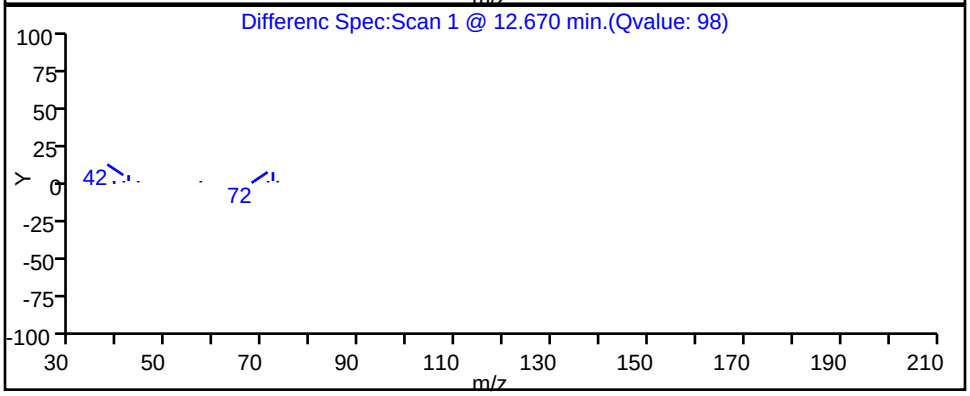






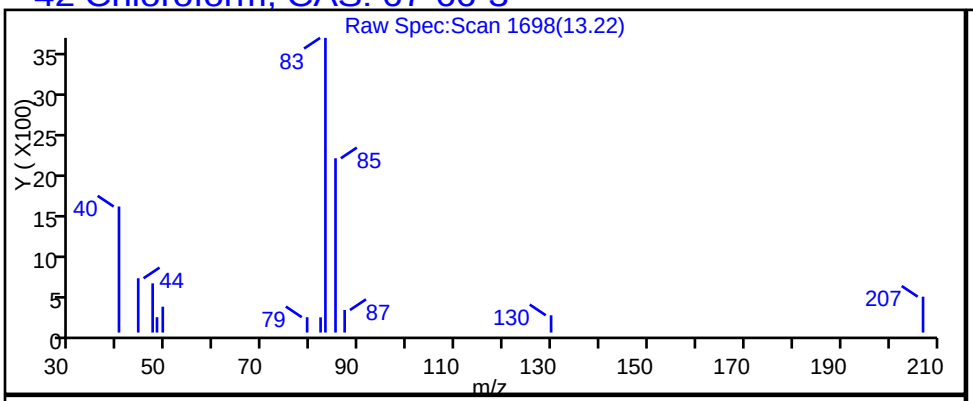


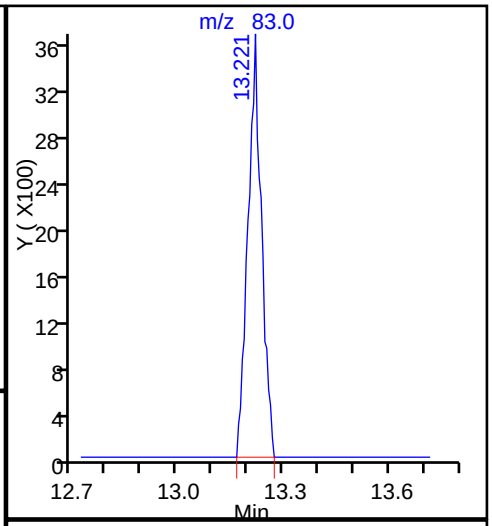


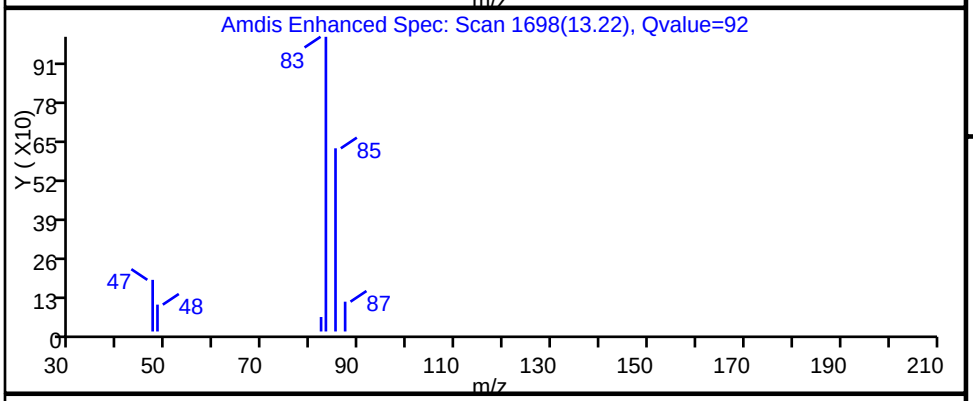


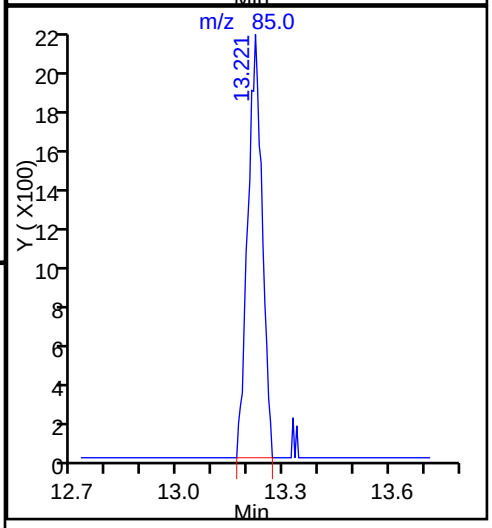
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

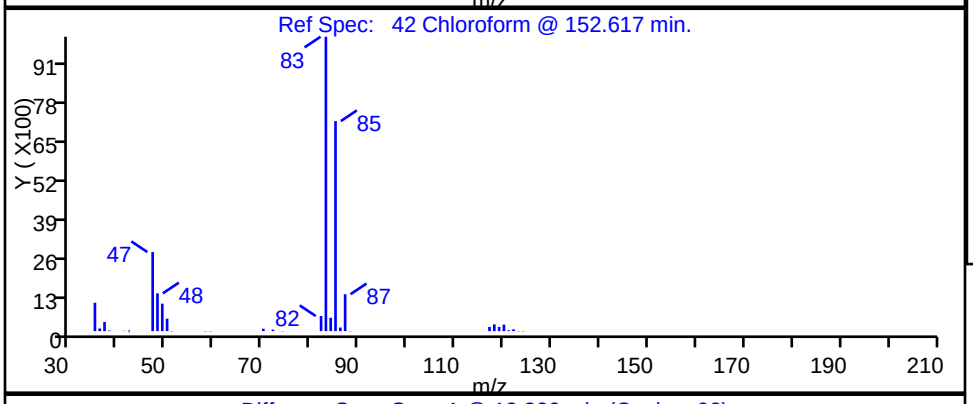
42 Chloroform, CAS: 67-66-3

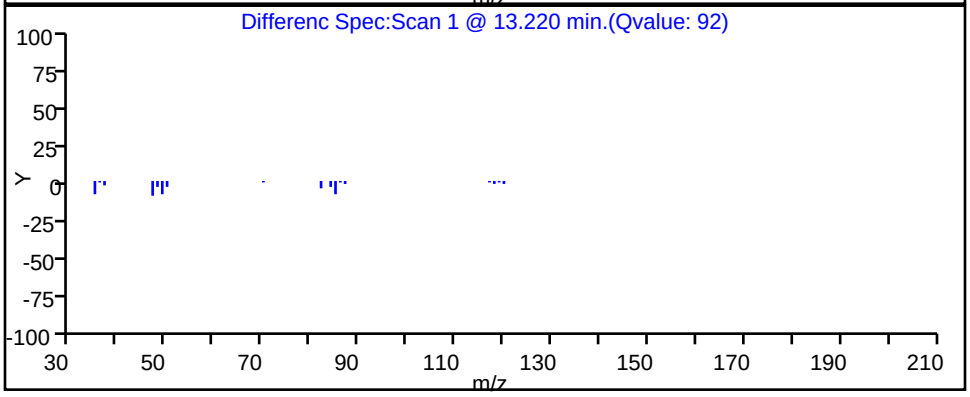








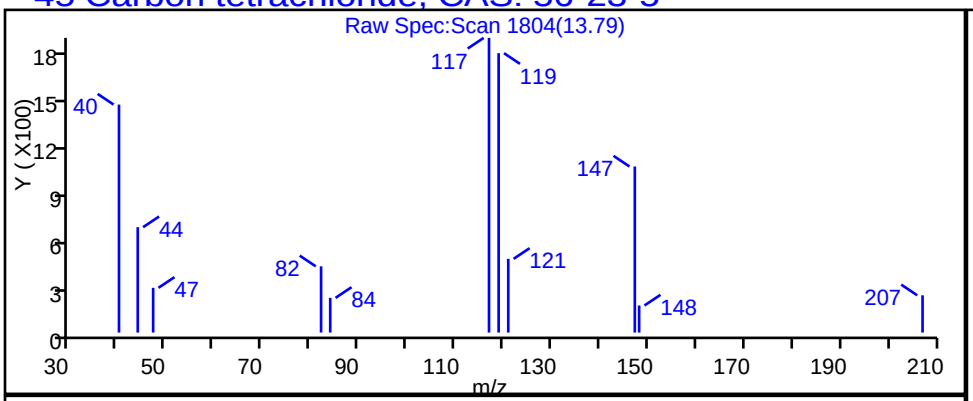


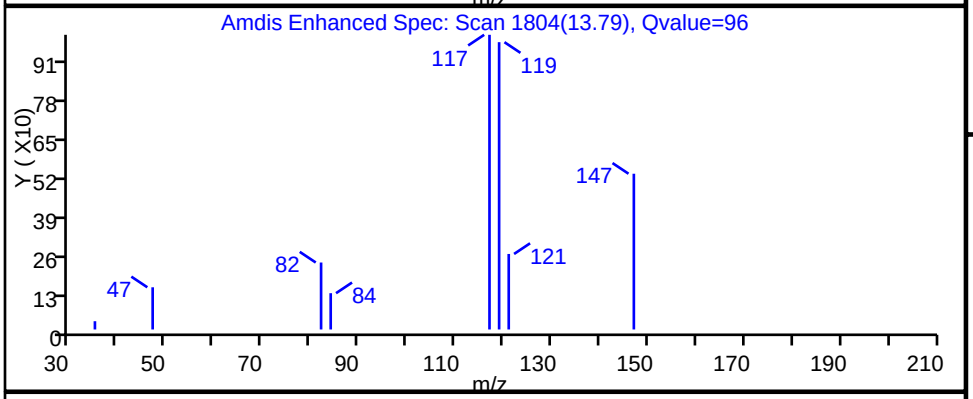


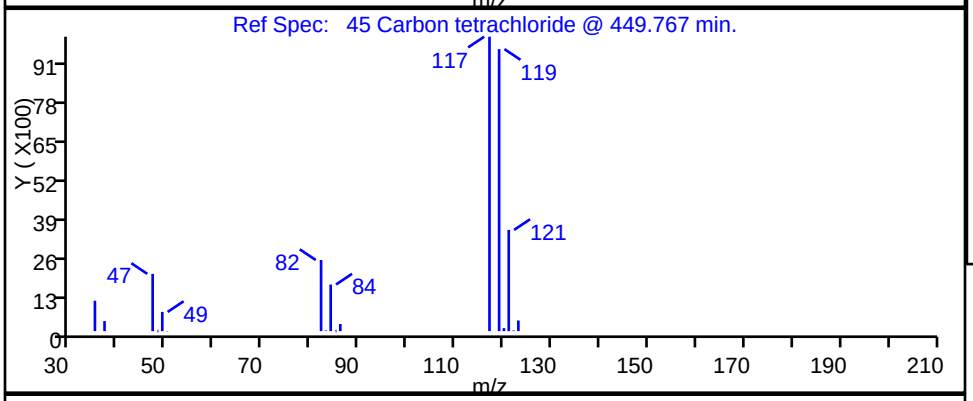
TestAmerica Burlington

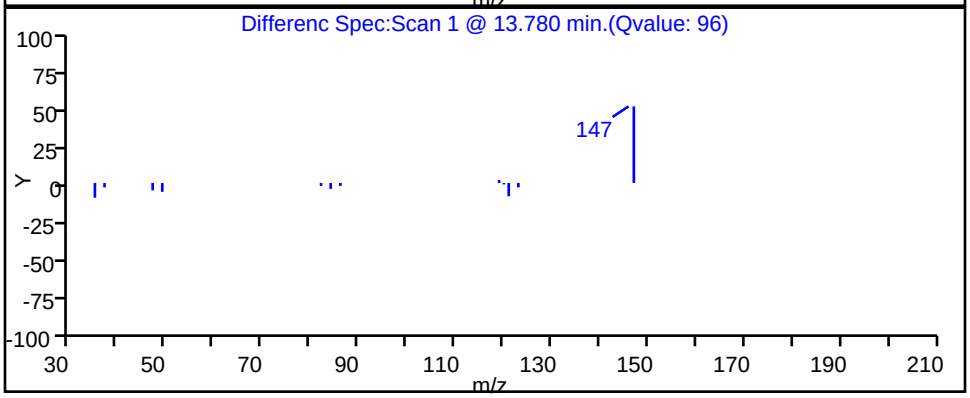
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

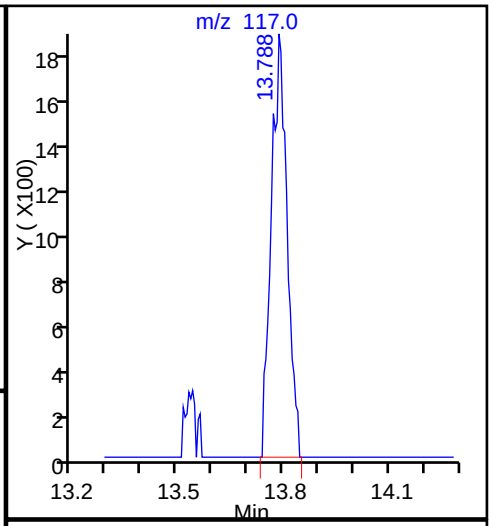
45 Carbon tetrachloride, CAS: 56-23-5

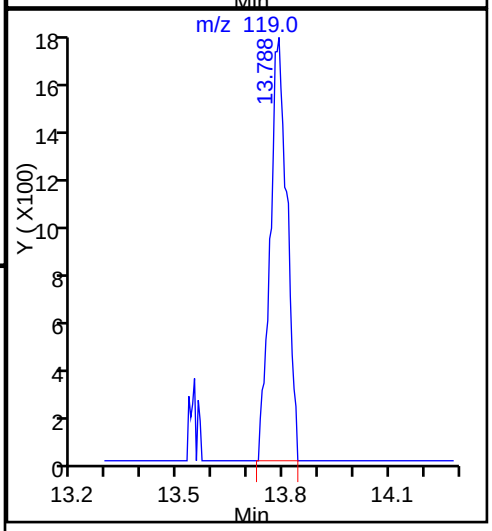








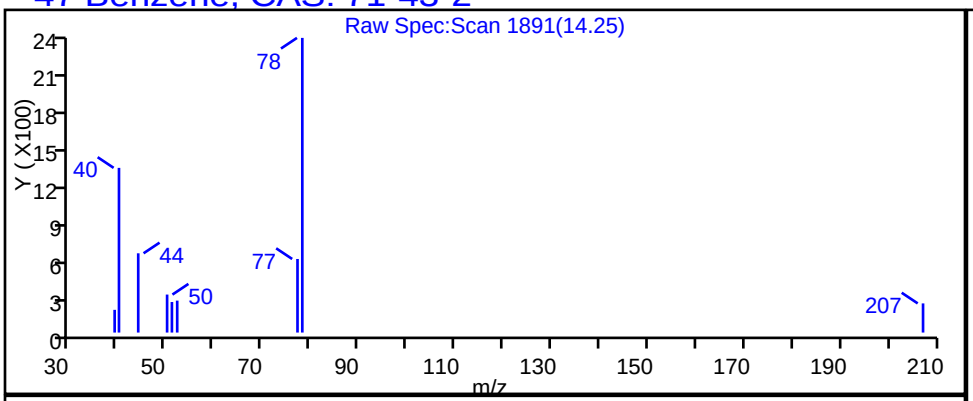


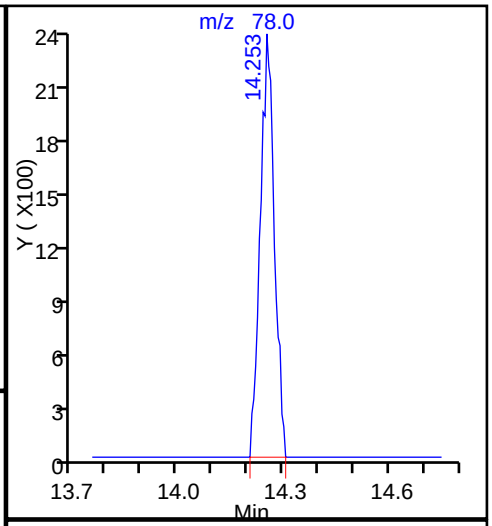


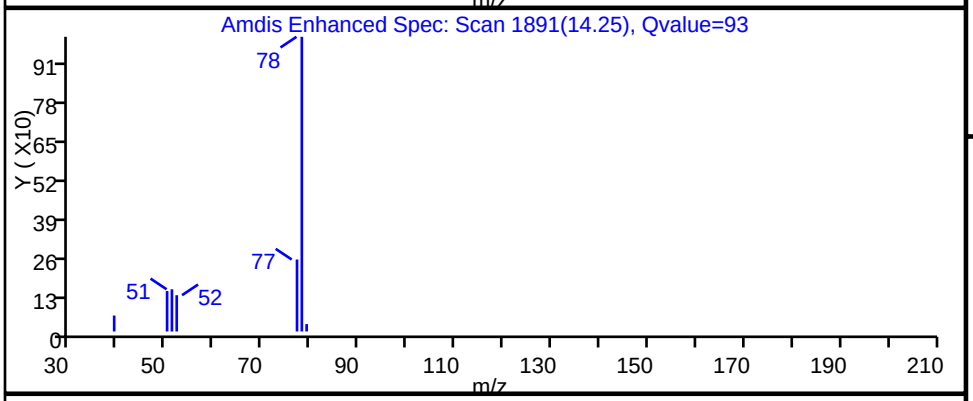
TestAmerica Burlington

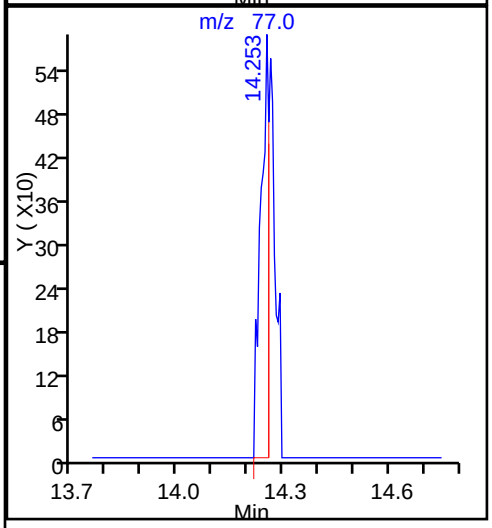
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

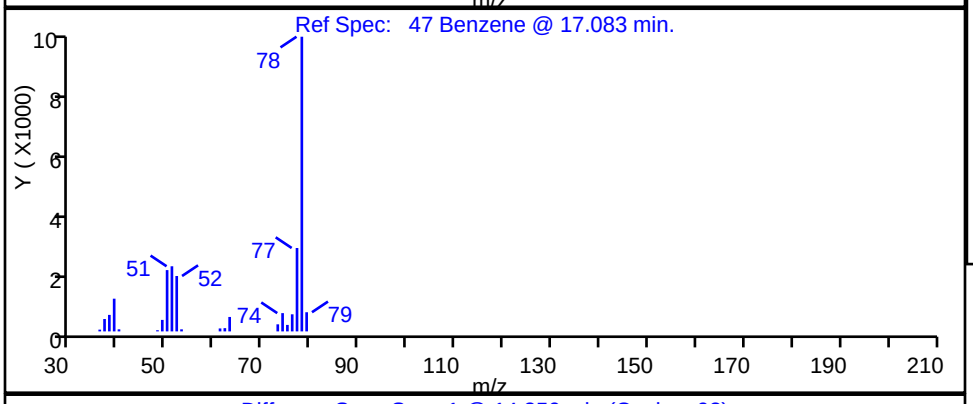
47 Benzene, CAS: 71-43-2

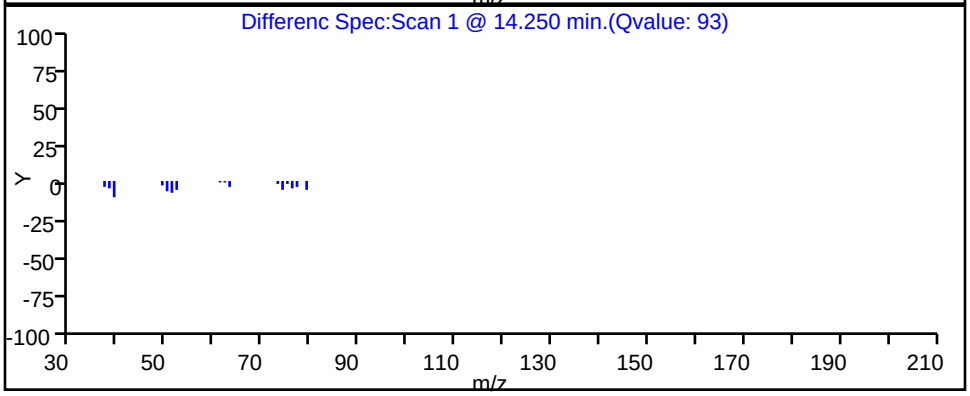








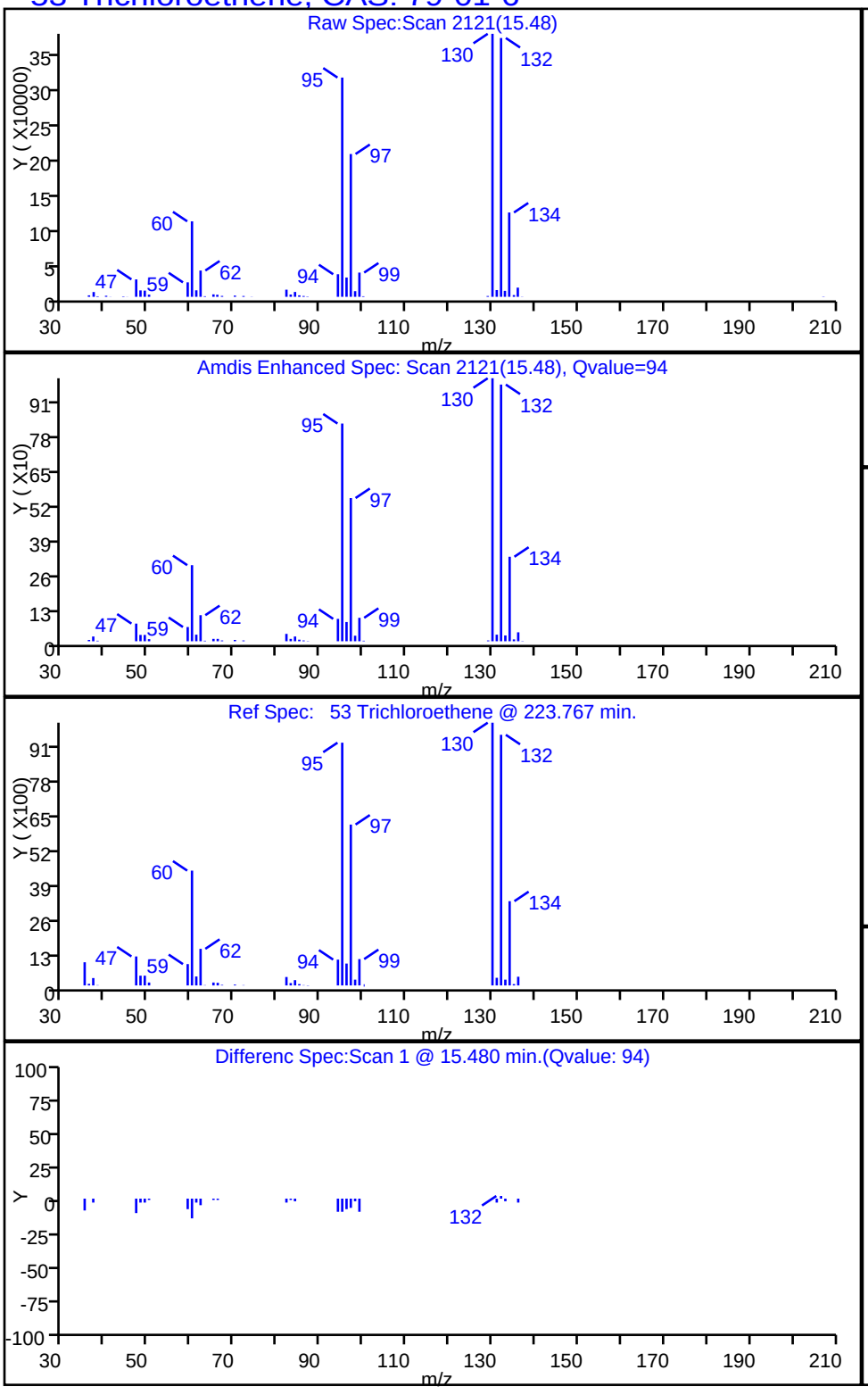


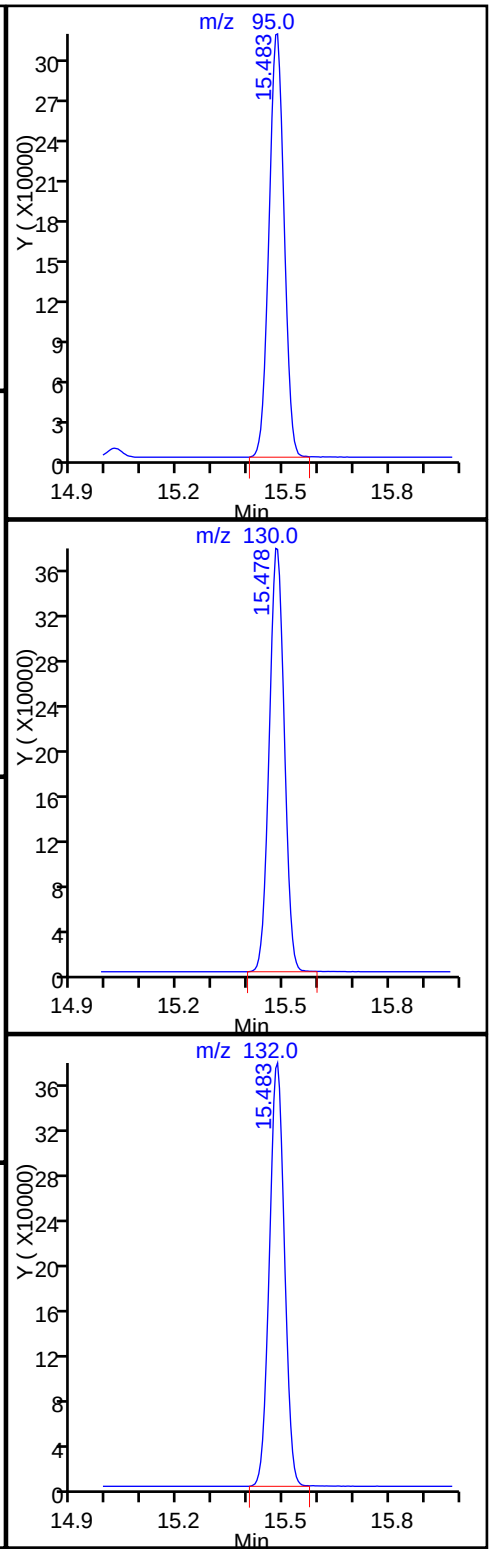


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 Trichloroethene, CAS: 79-01-6

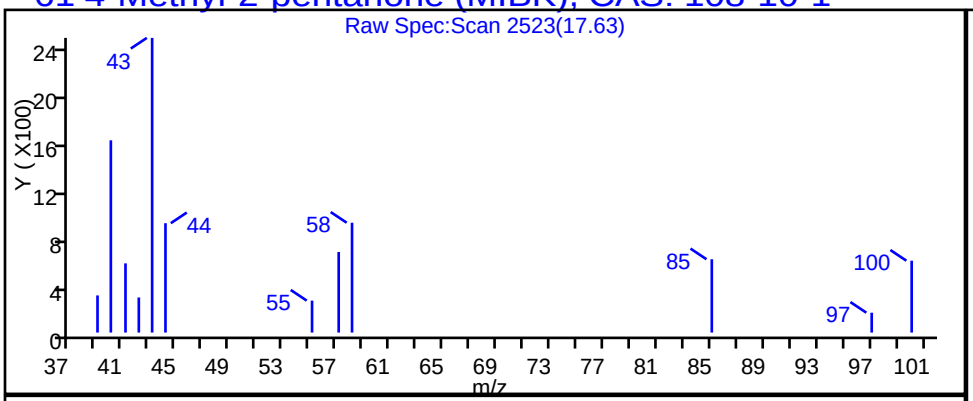


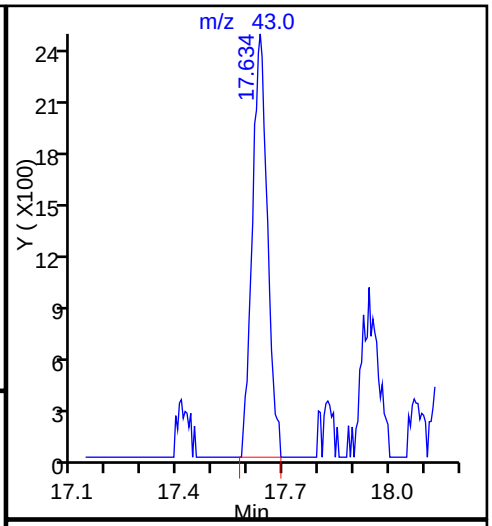


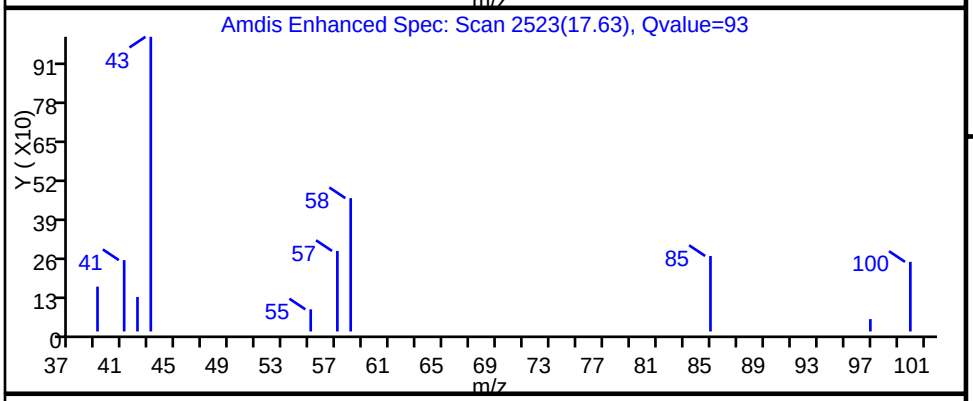
TestAmerica Burlington

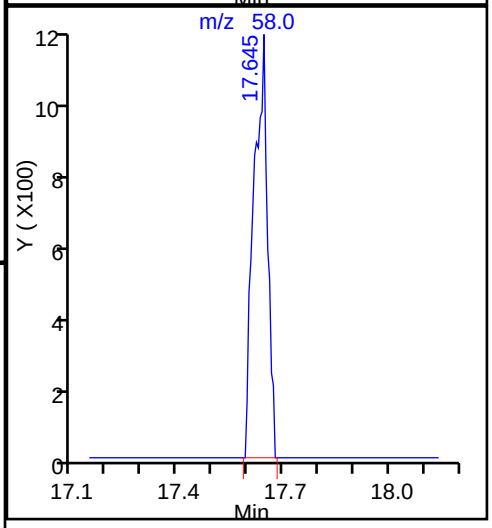
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

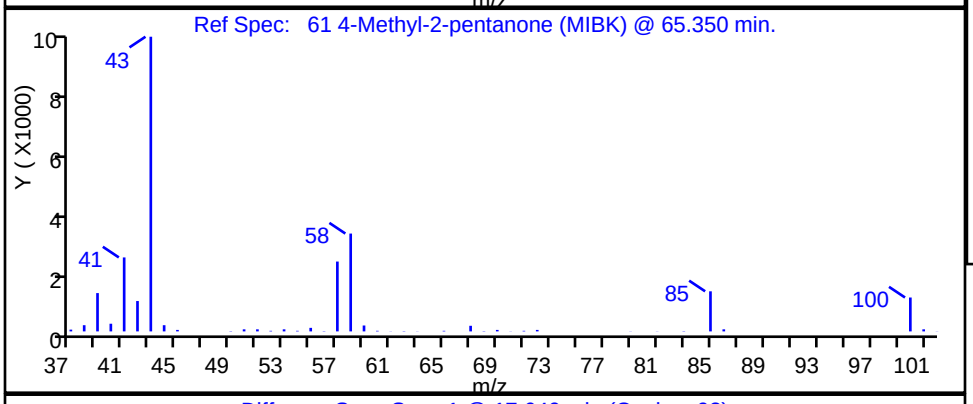
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

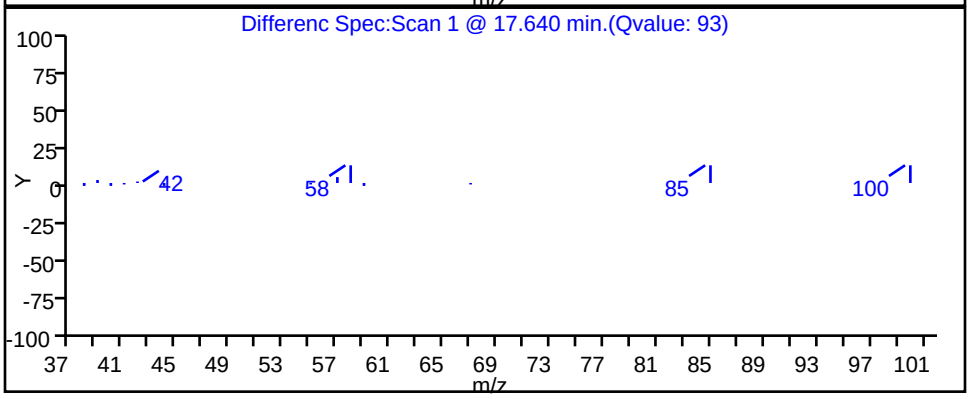






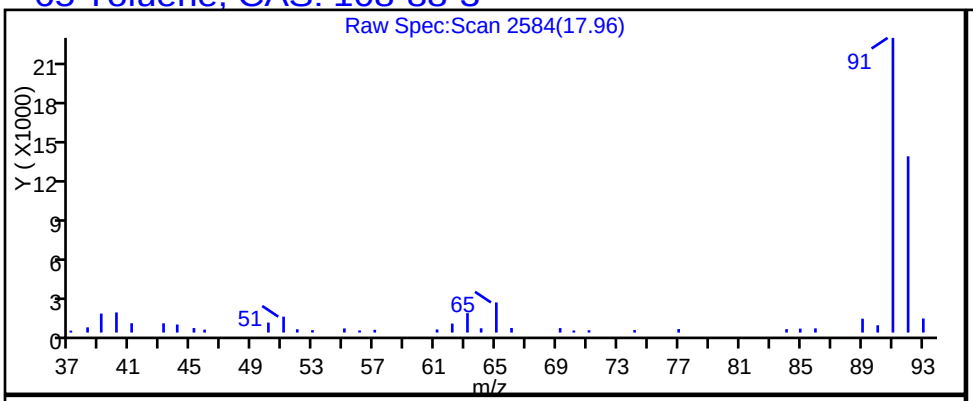


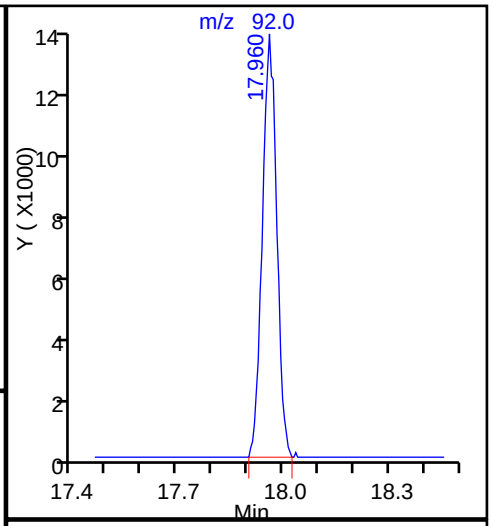


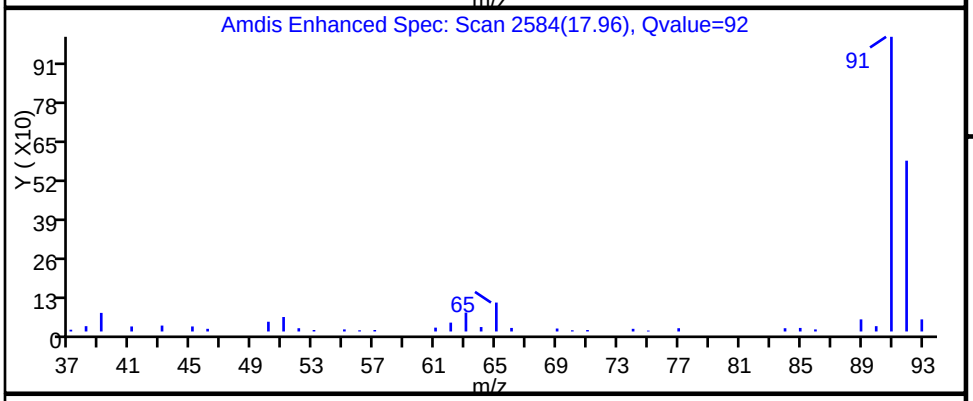


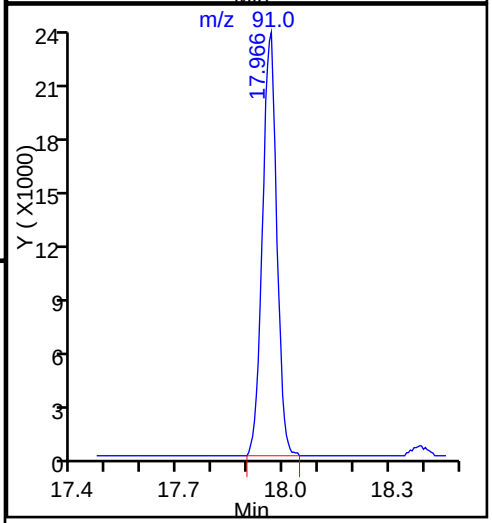
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

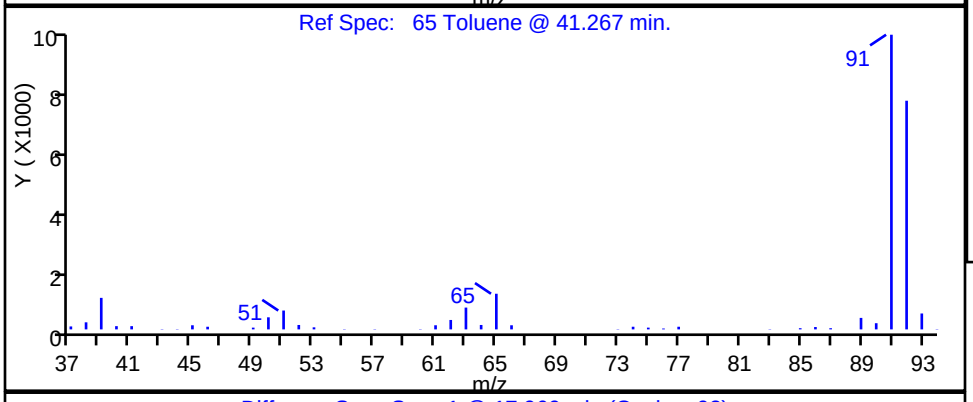
65 Toluene, CAS: 108-88-3

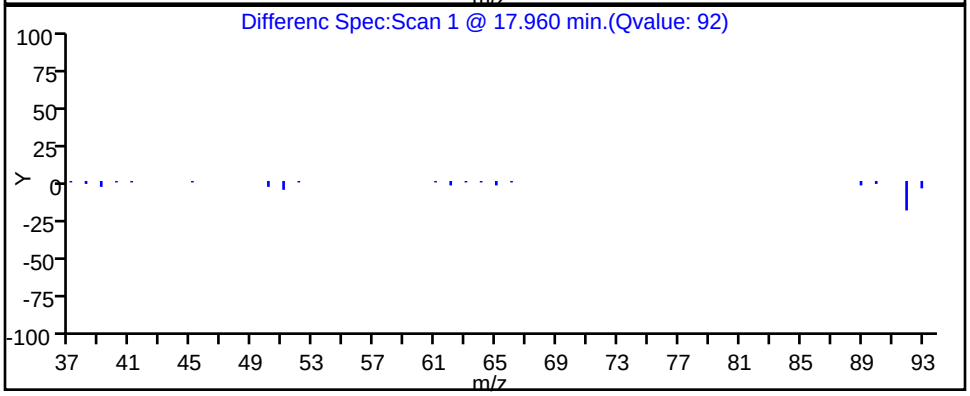








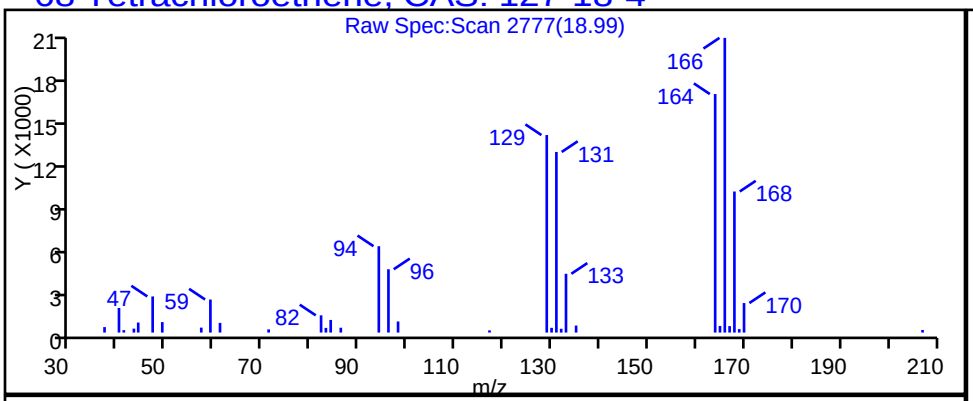


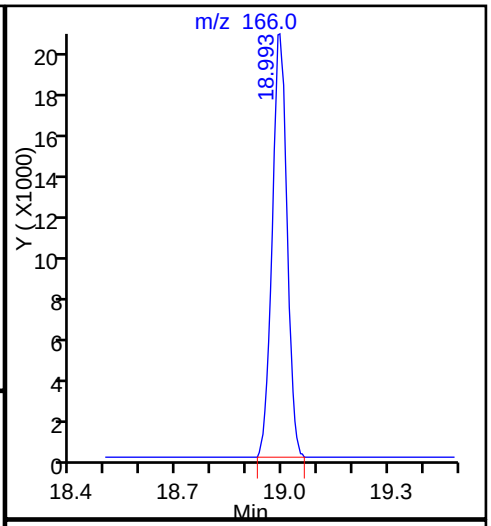


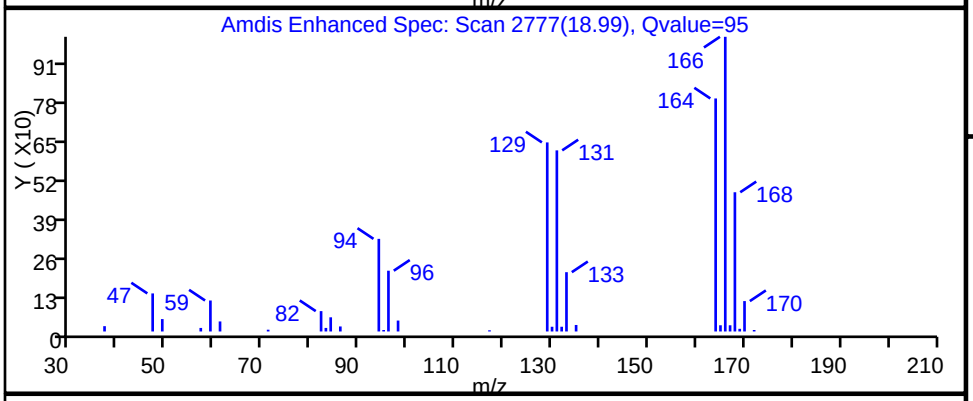
TestAmerica Burlington

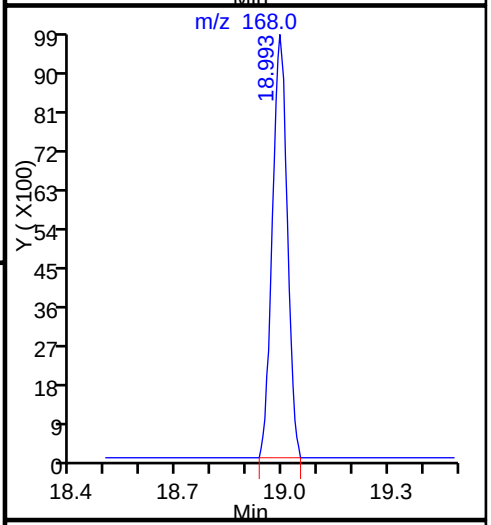
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

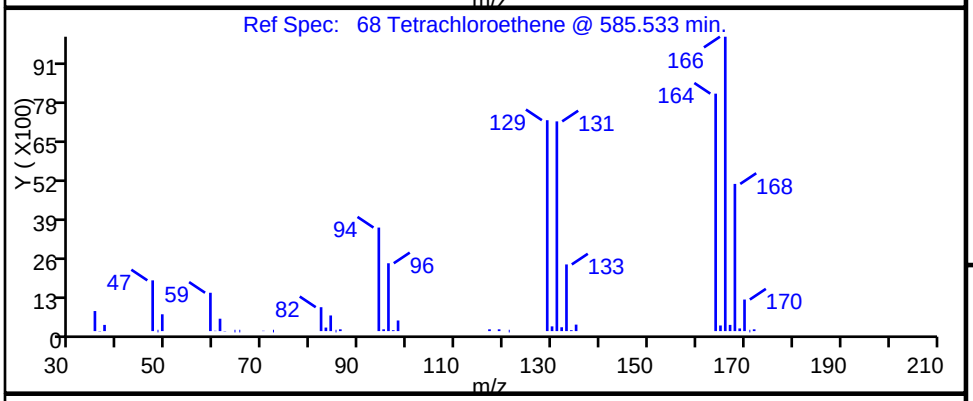
68 Tetrachloroethene, CAS: 127-18-4

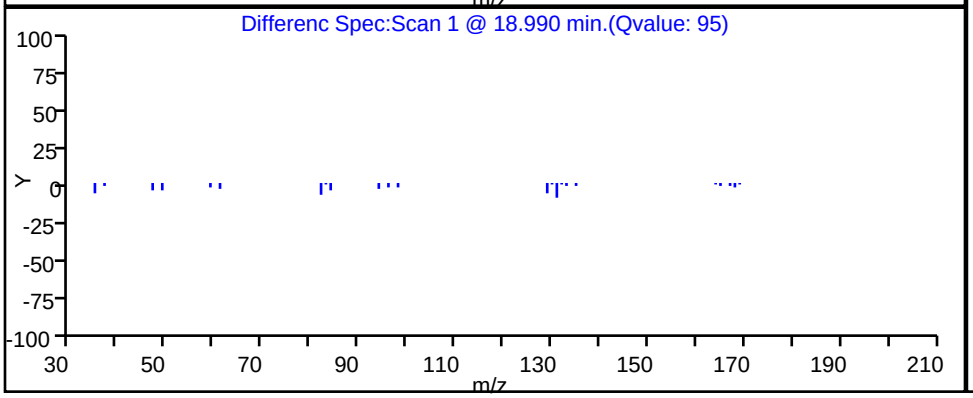


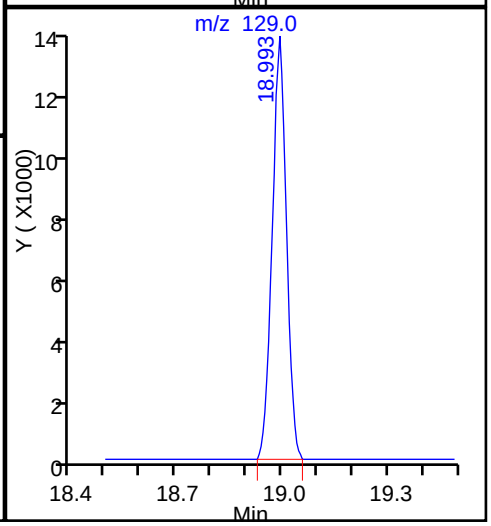








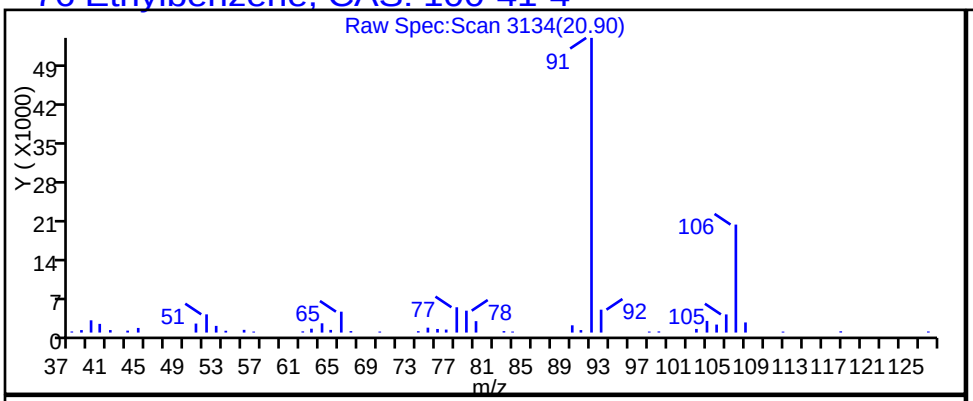


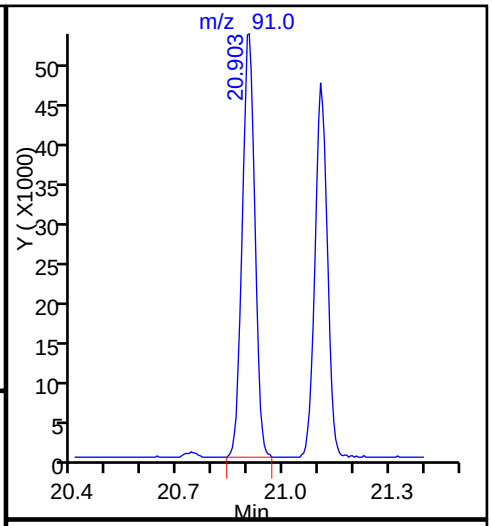


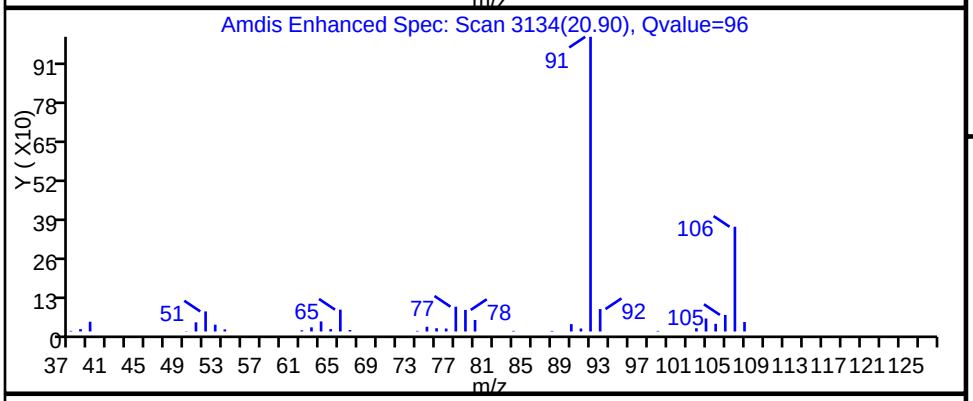
TestAmerica Burlington

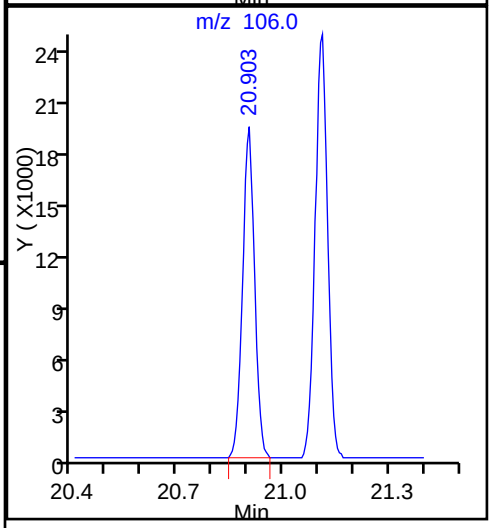
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

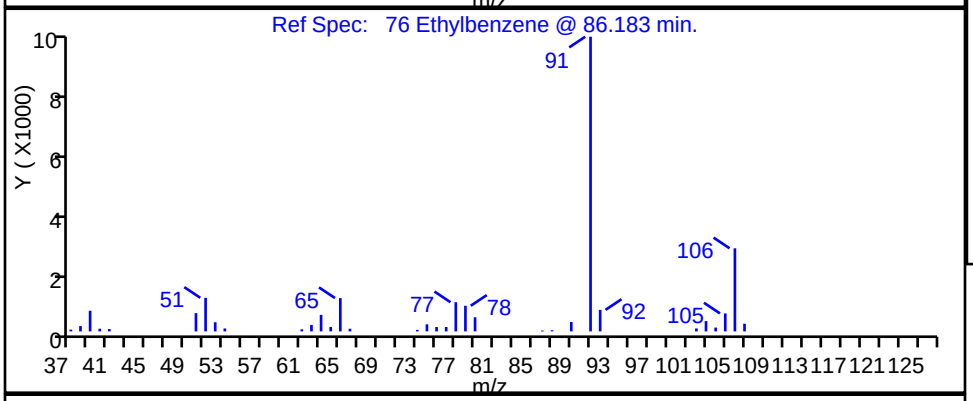
76 Ethylbenzene, CAS: 100-41-4

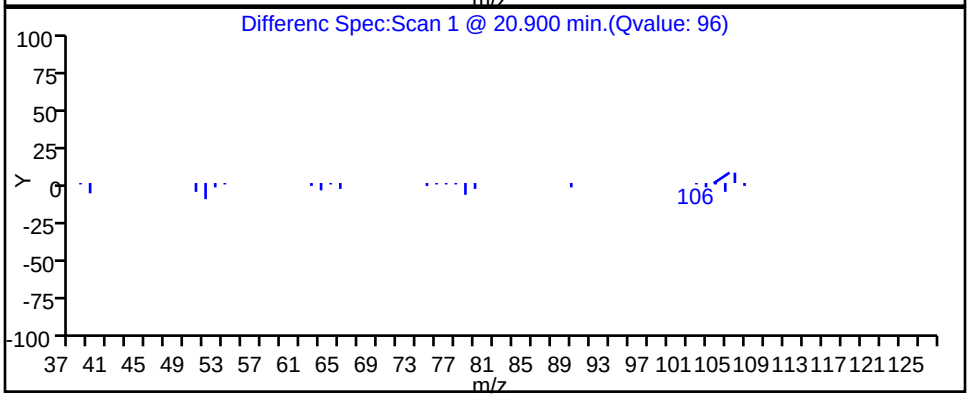








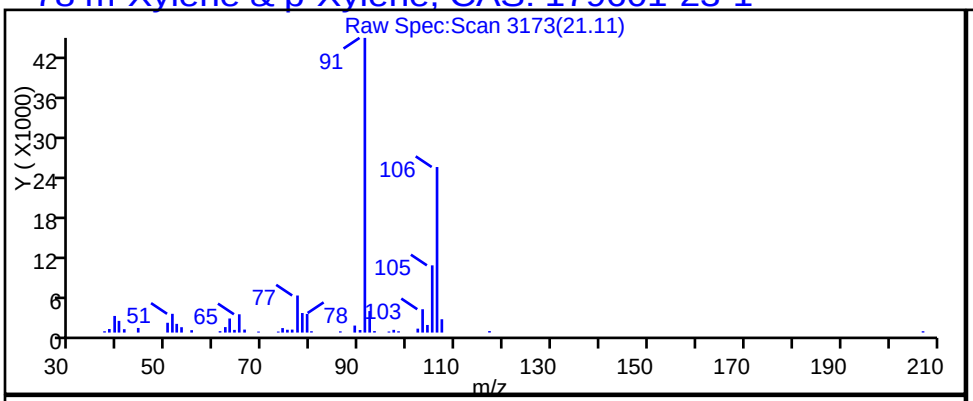


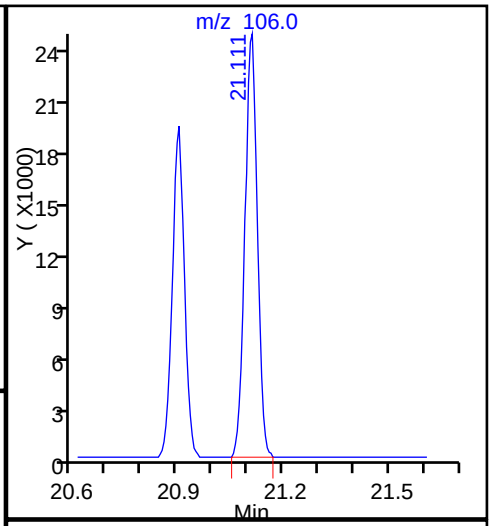


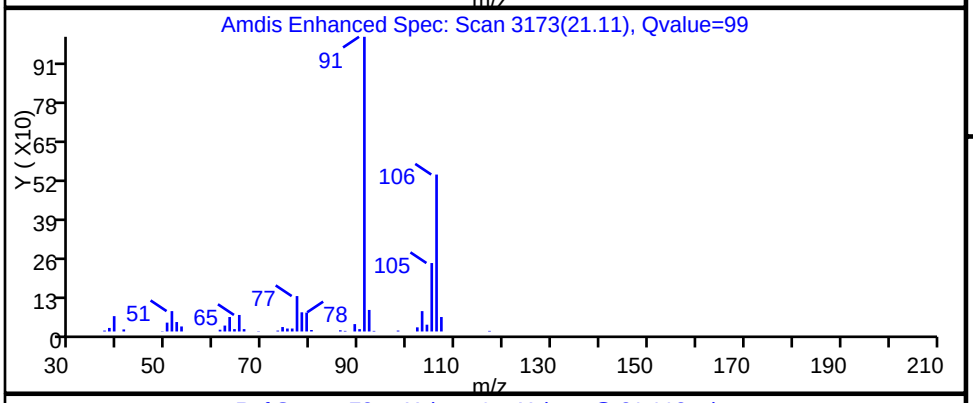
TestAmerica Burlington

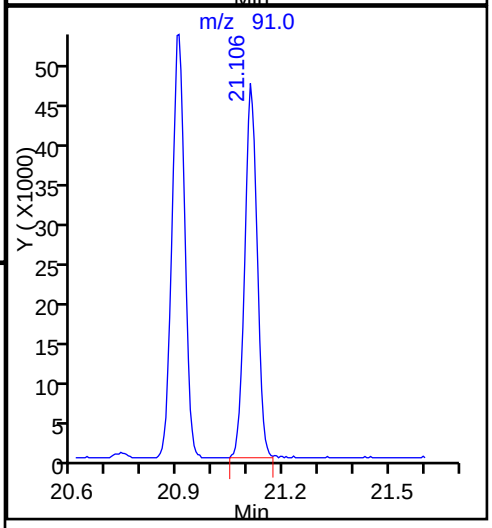
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

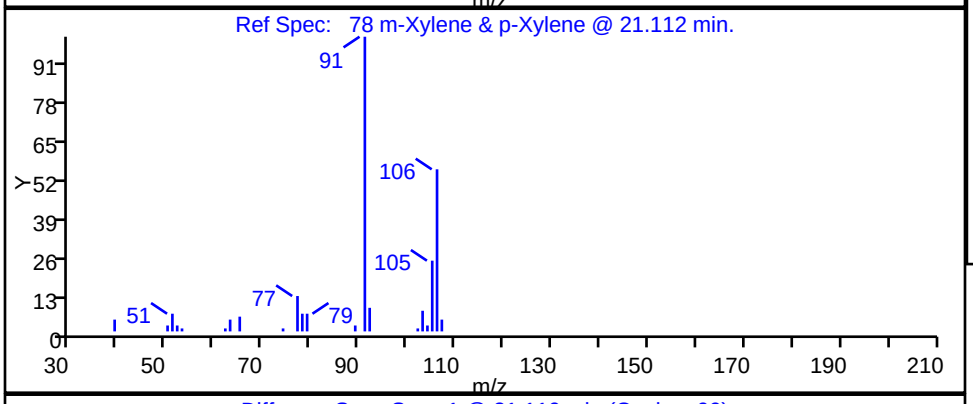
78 m-Xylene & p-Xylene, CAS: 179601-23-1

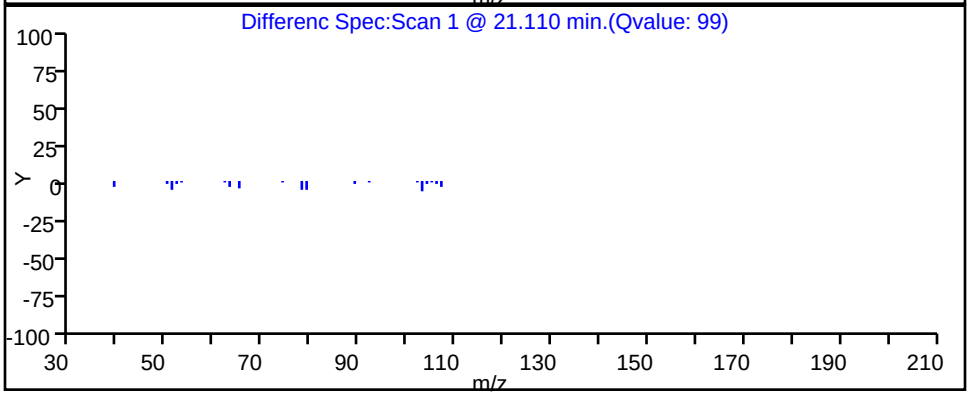






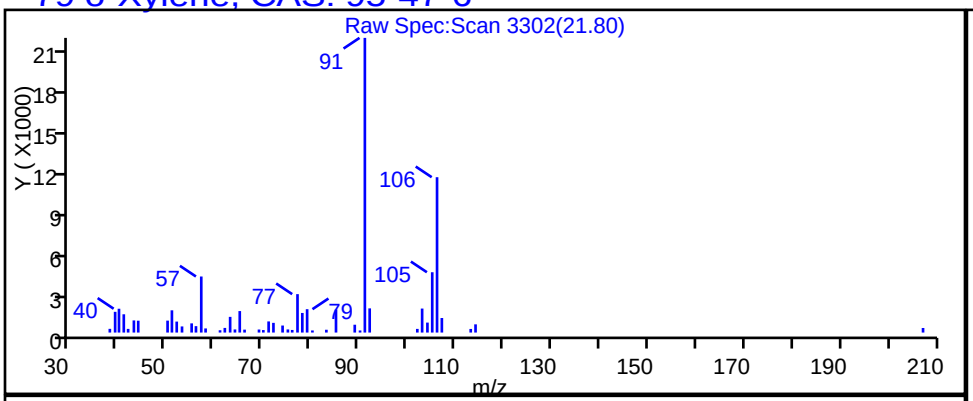


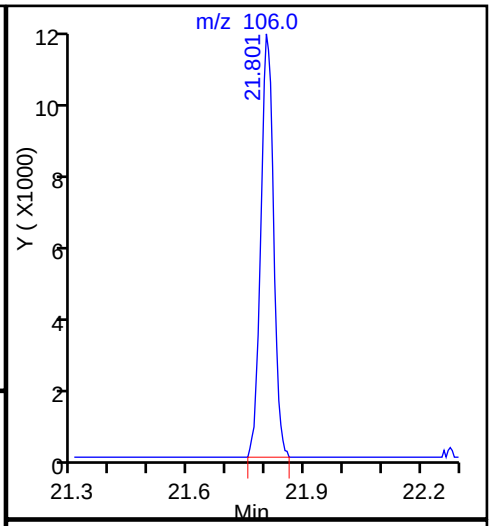


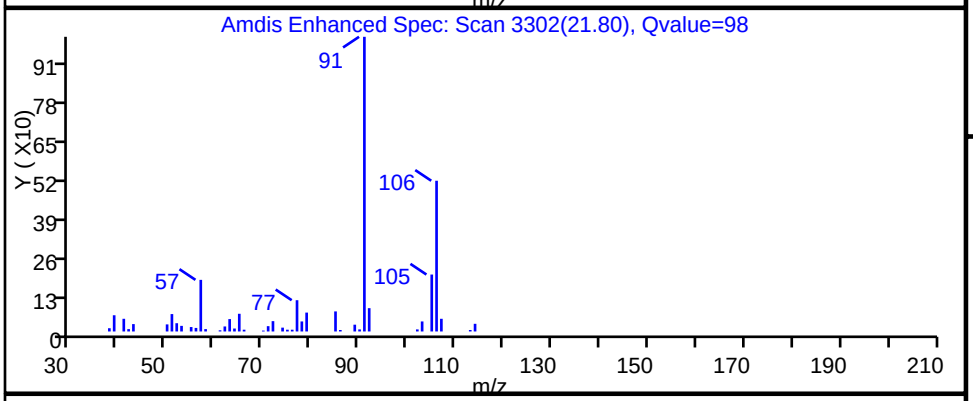


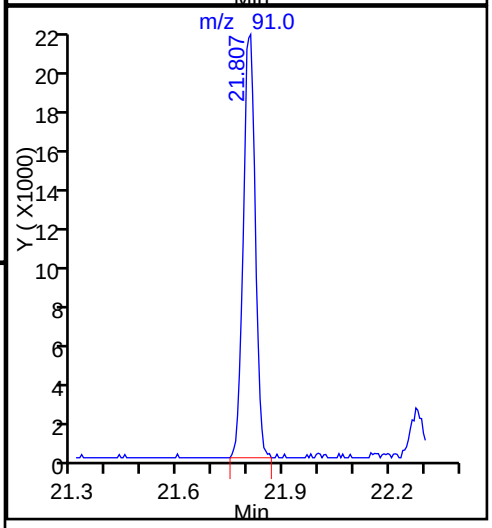
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

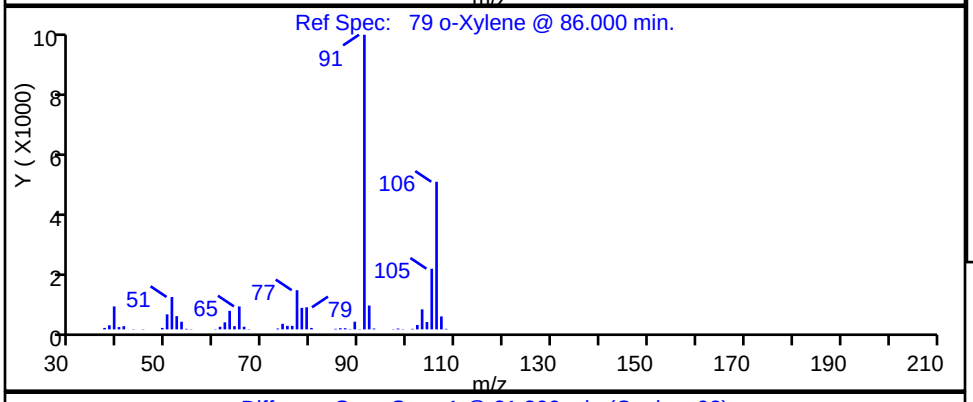
79 o-Xylene, CAS: 95-47-6

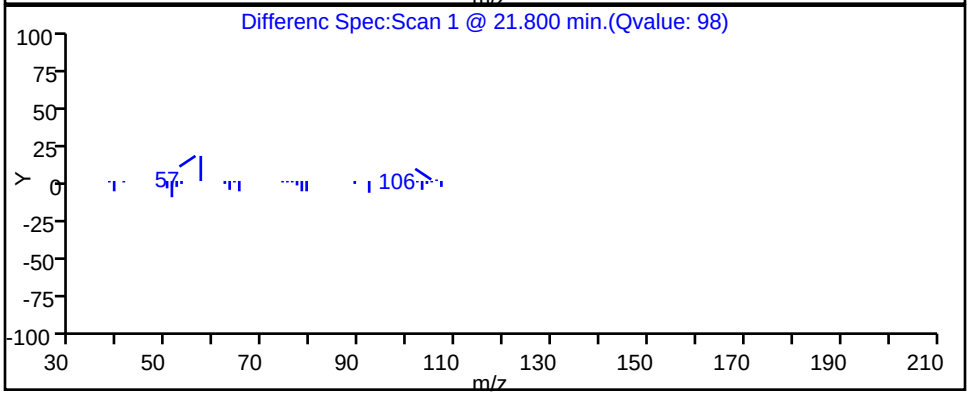






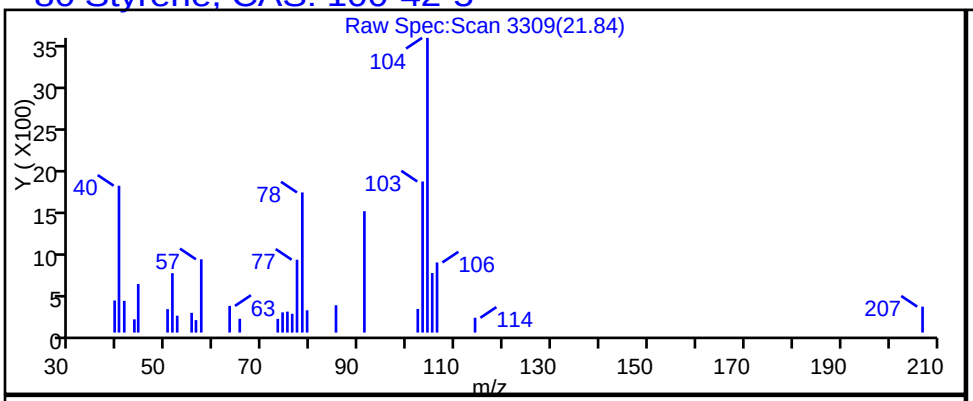


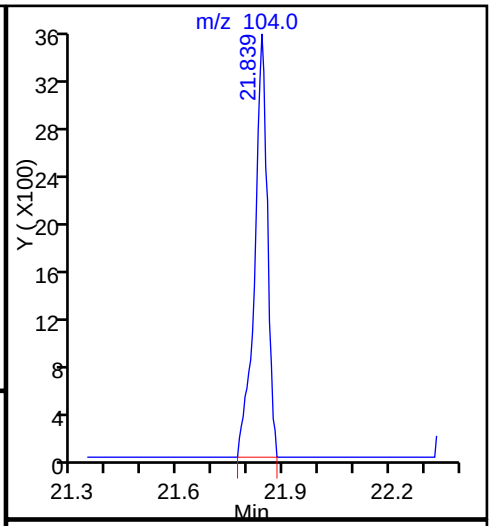


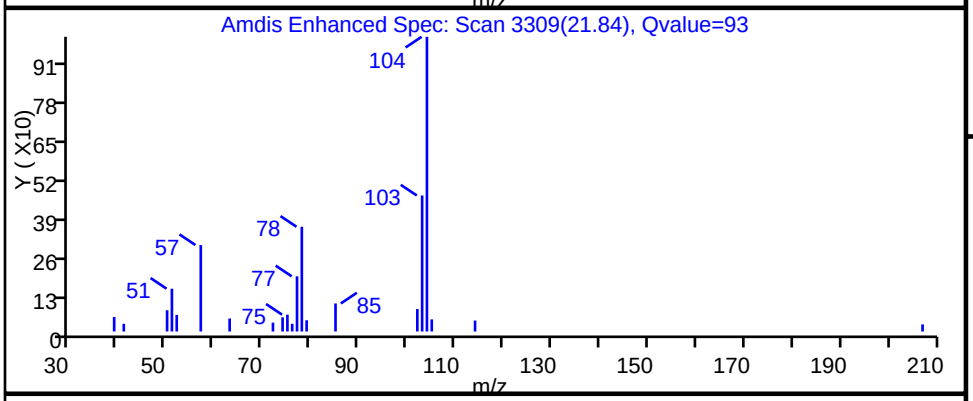


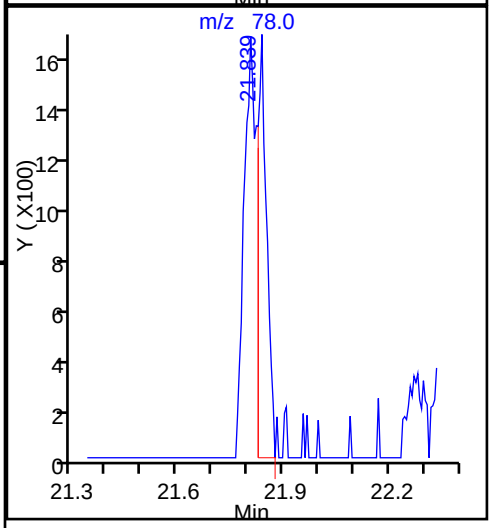
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

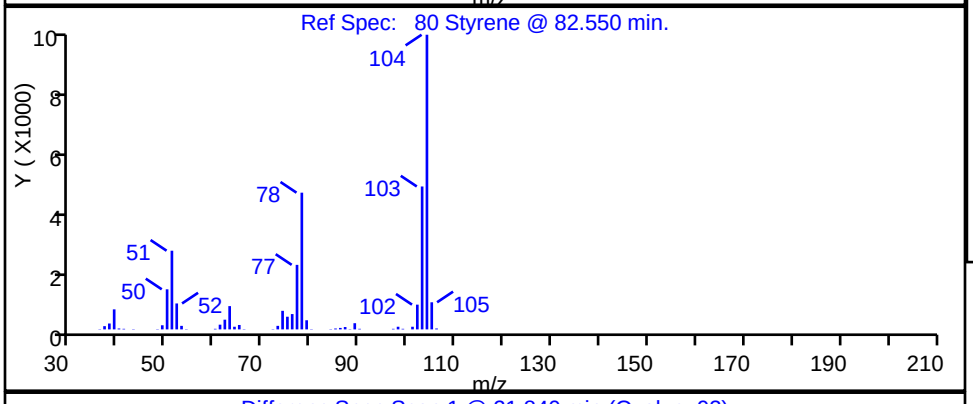
80 Styrene, CAS: 100-42-5

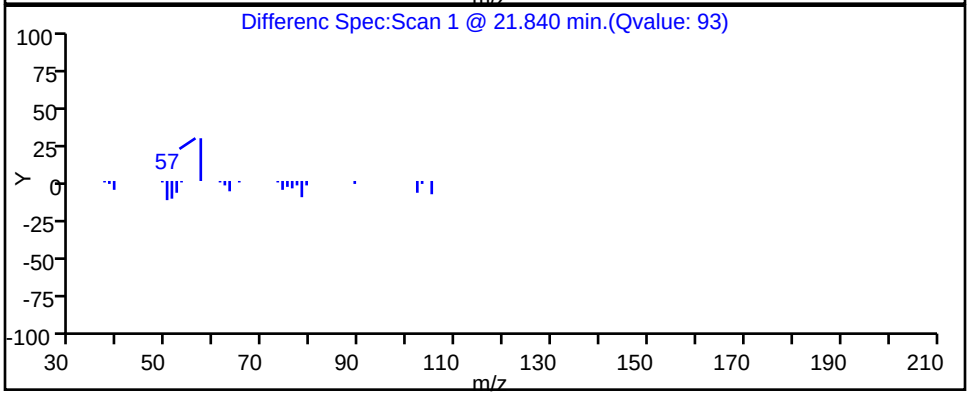






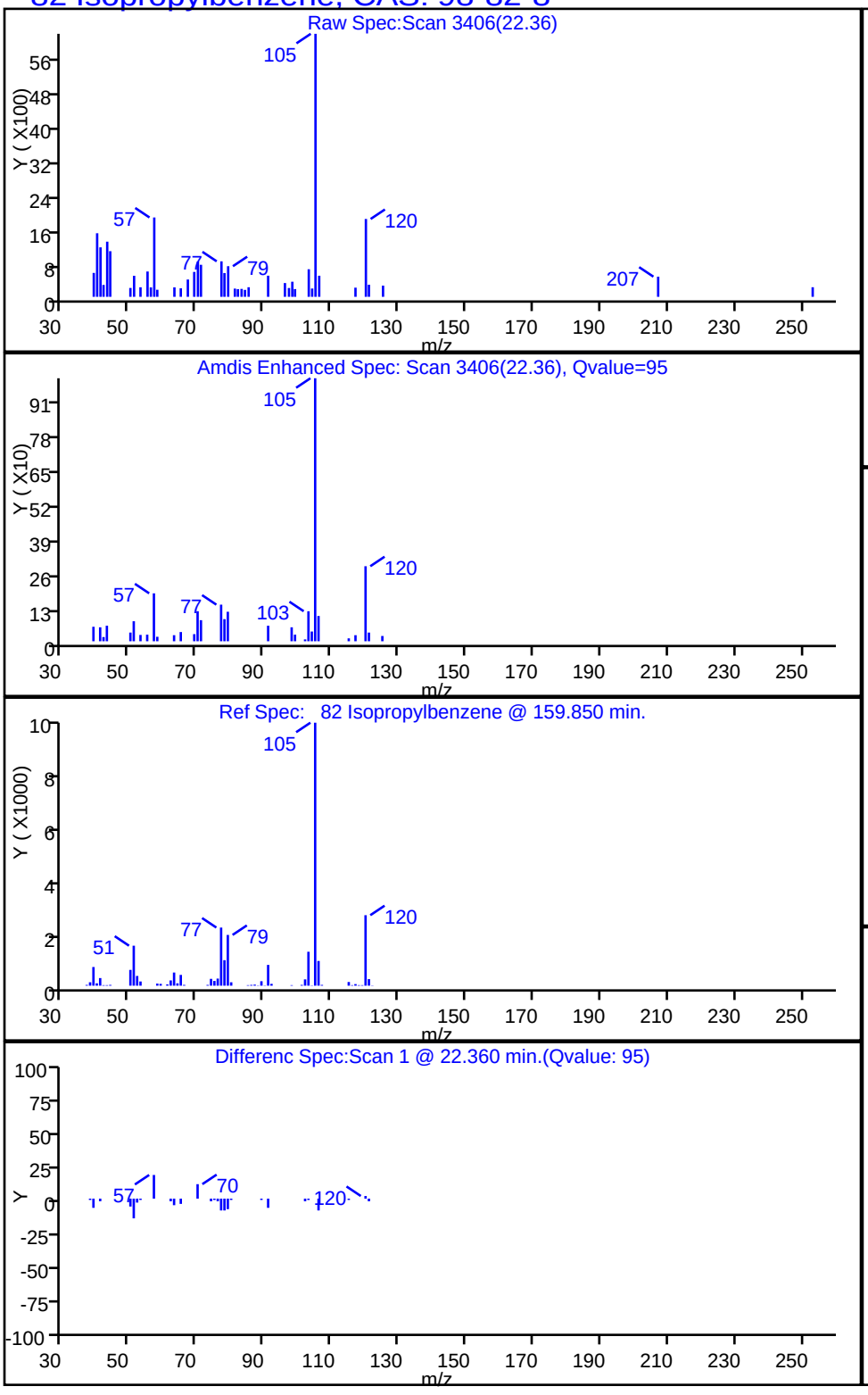


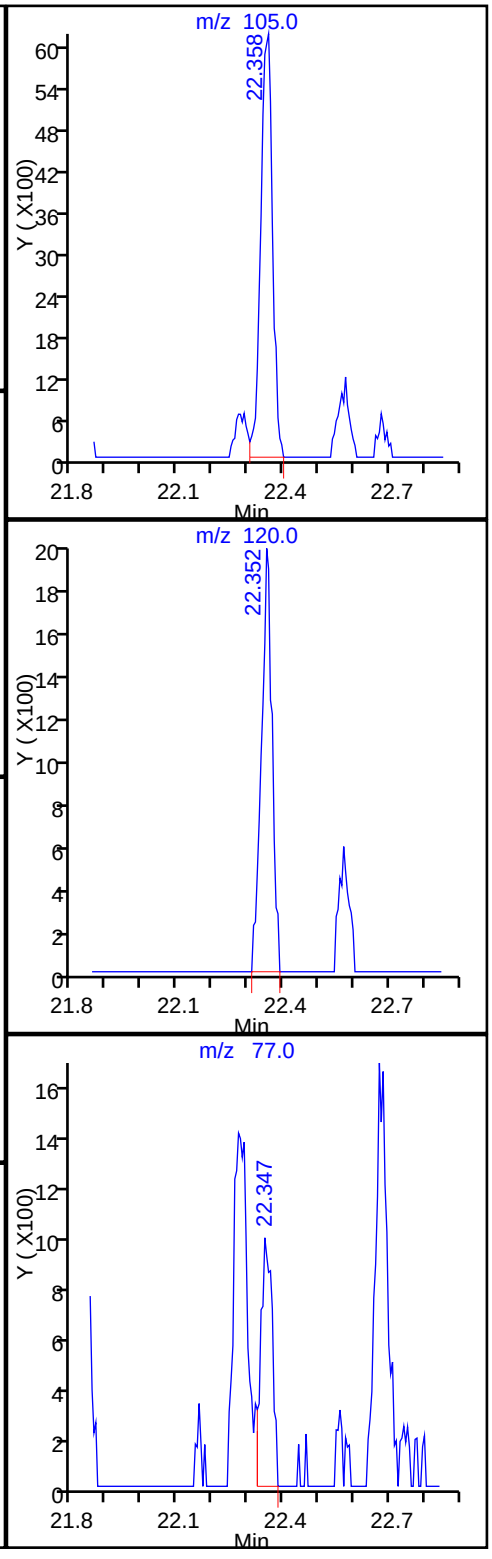




Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

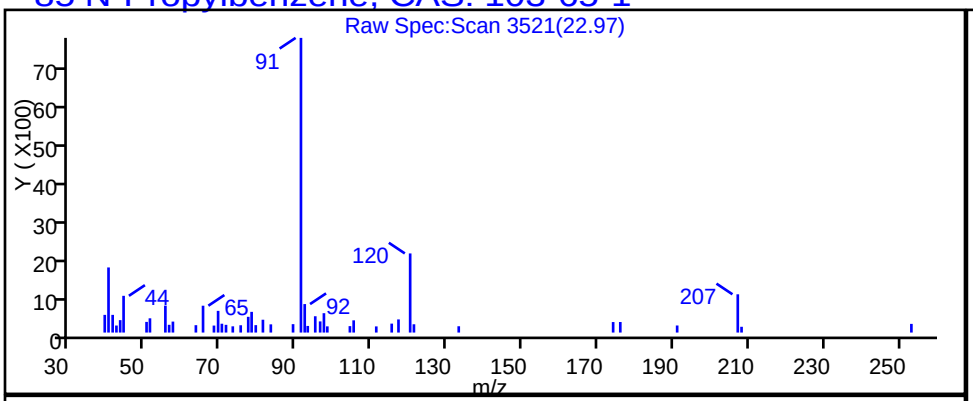


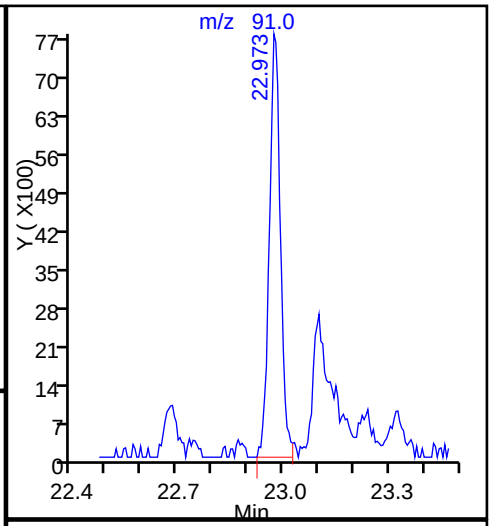


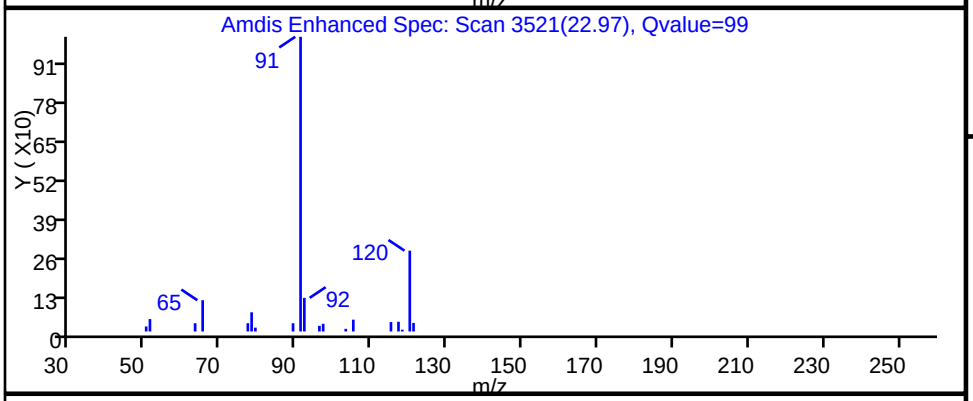
TestAmerica Burlington

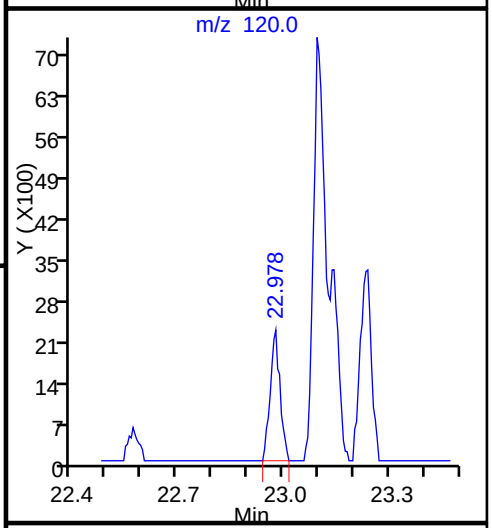
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

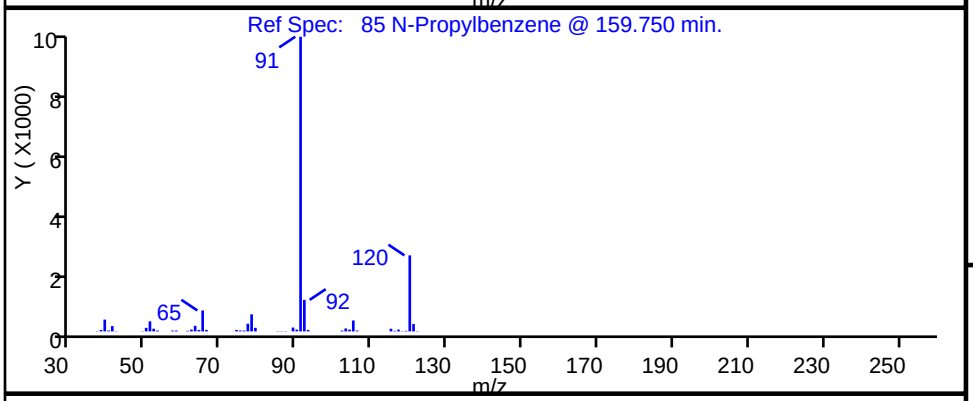
85 N-Propylbenzene, CAS: 103-65-1

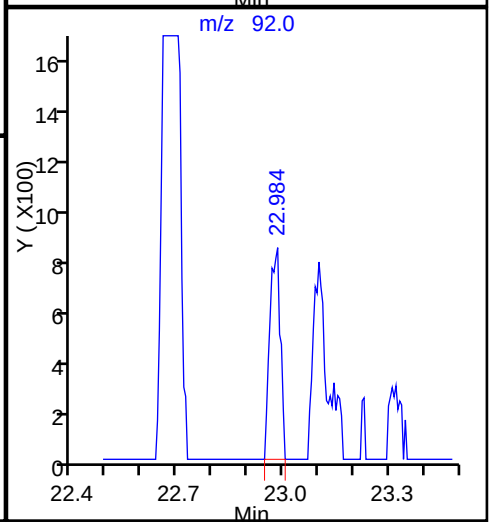


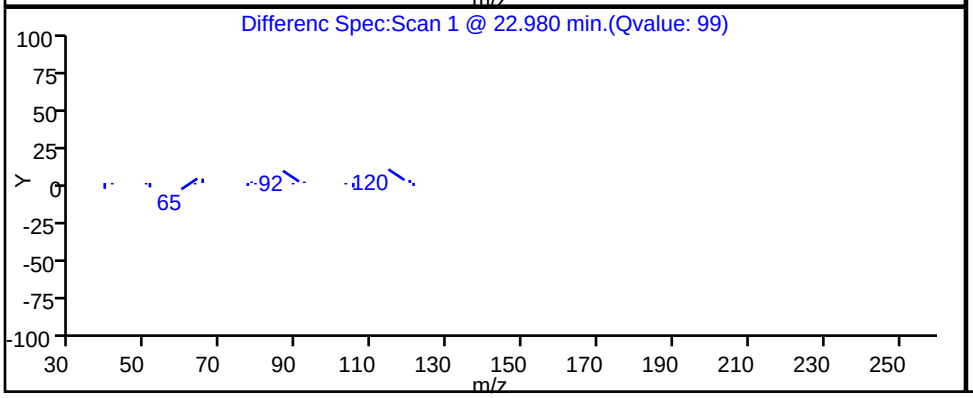






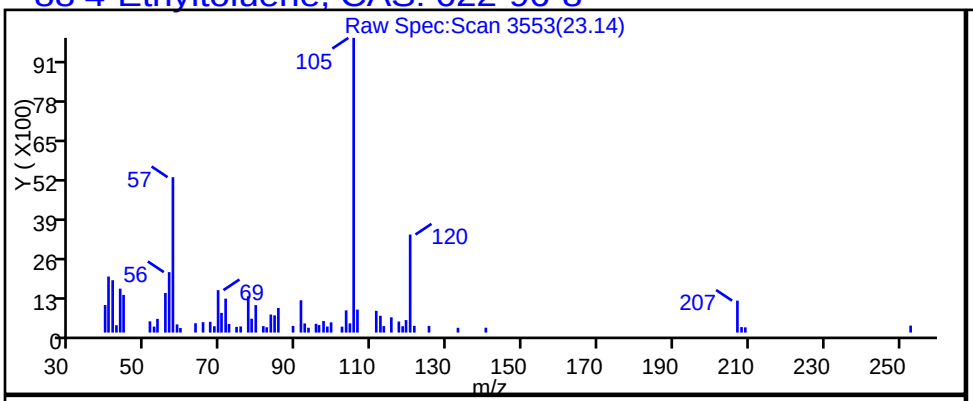


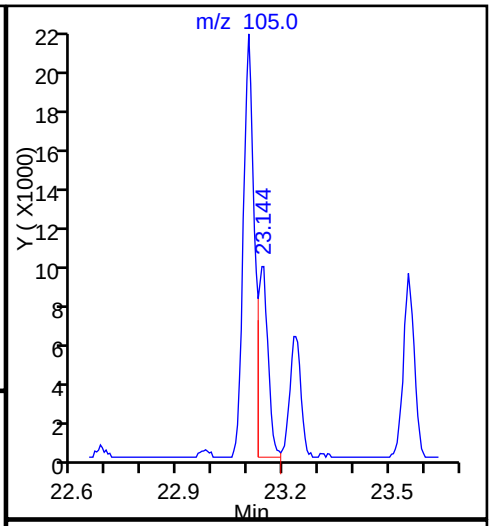


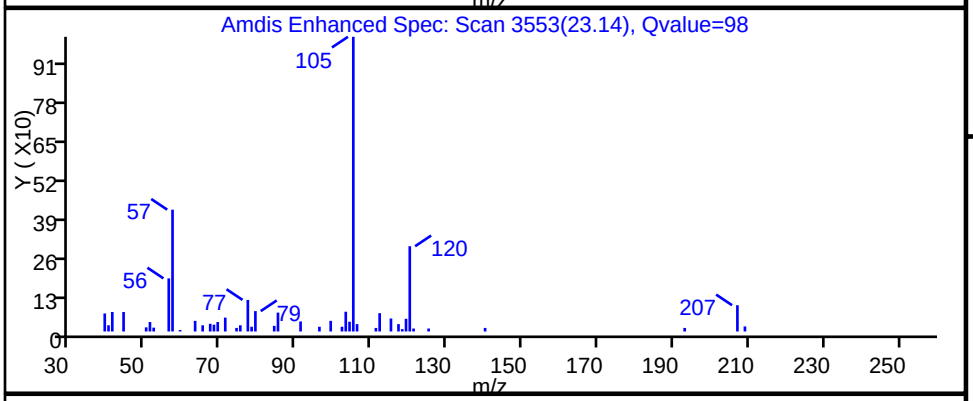


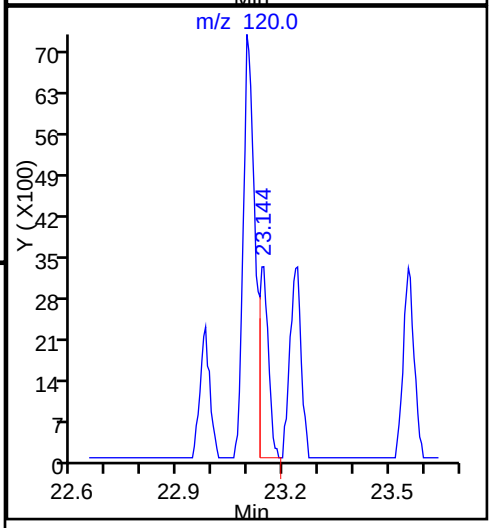
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

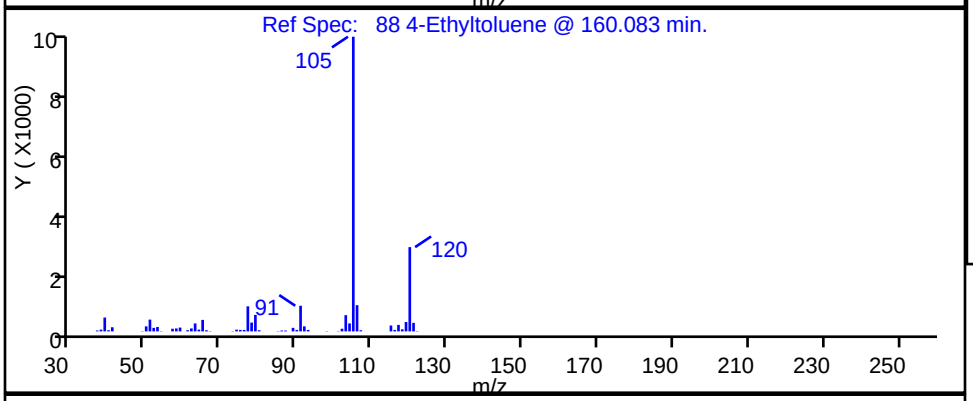
88 4-Ethyltoluene, CAS: 622-96-8

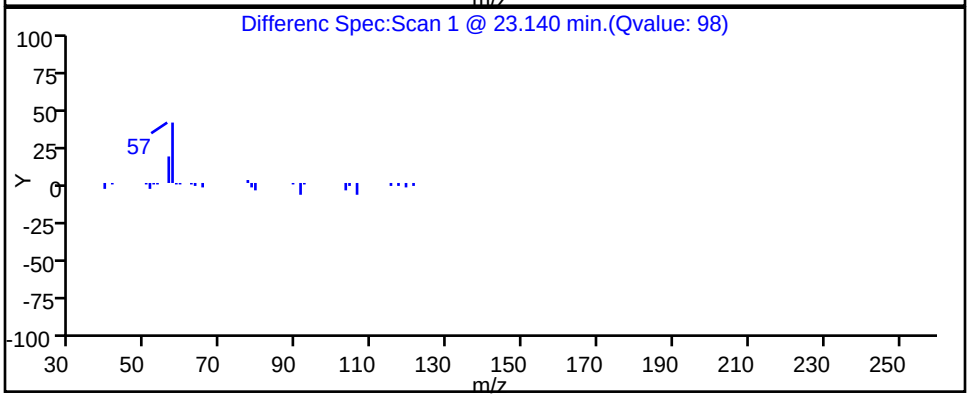








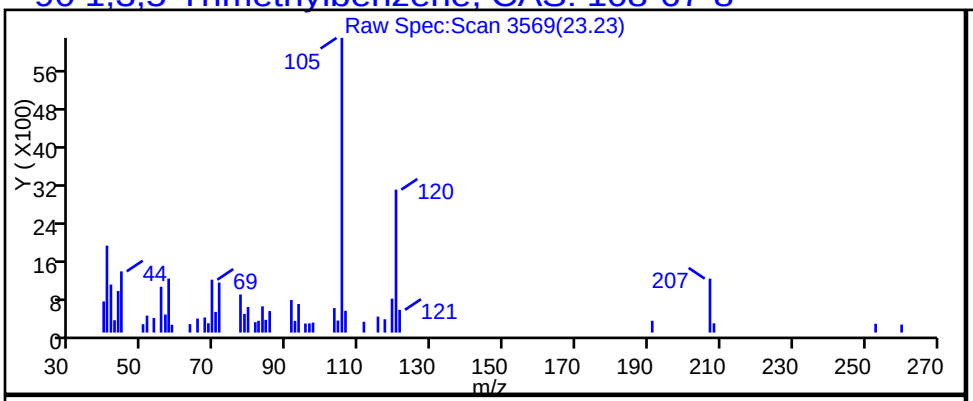


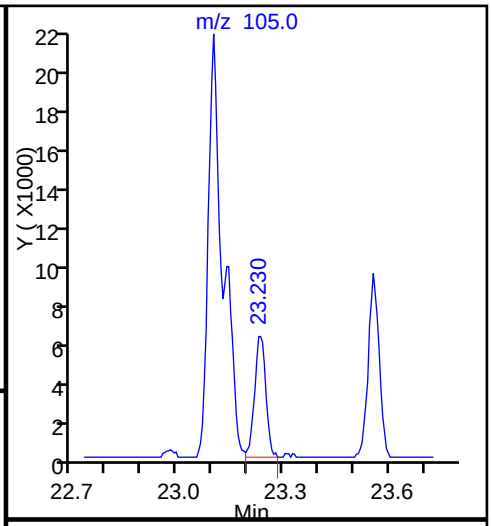


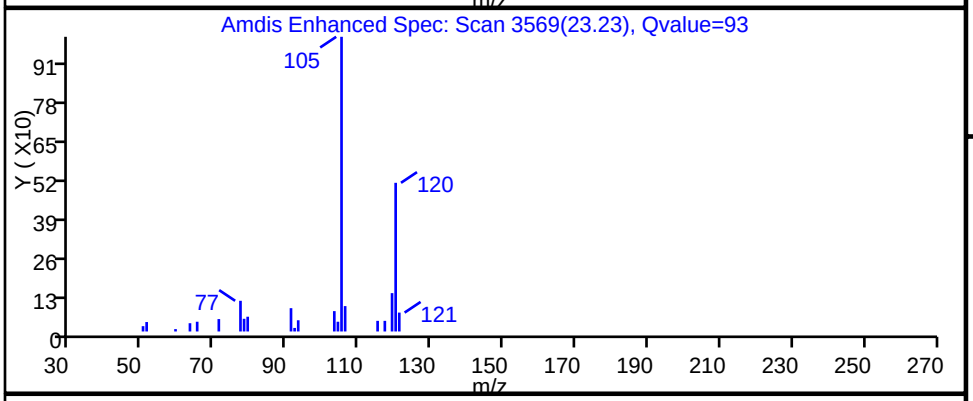
TestAmerica Burlington

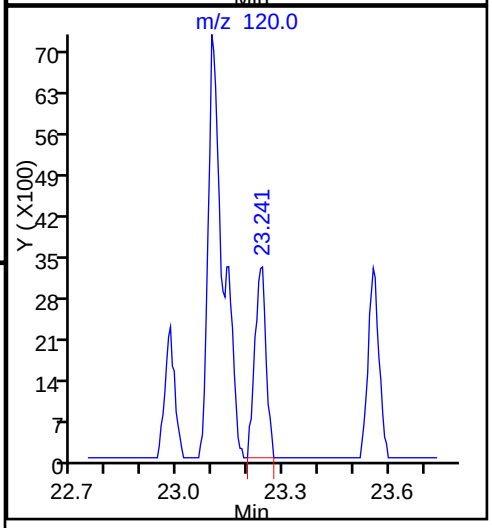
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

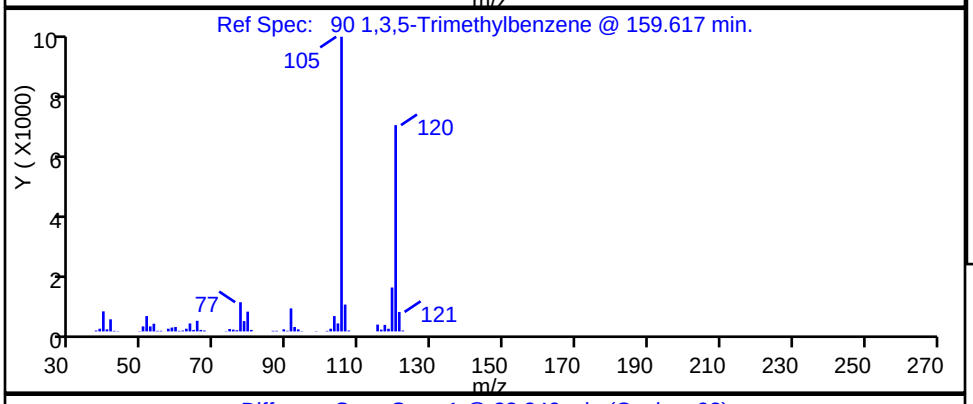
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

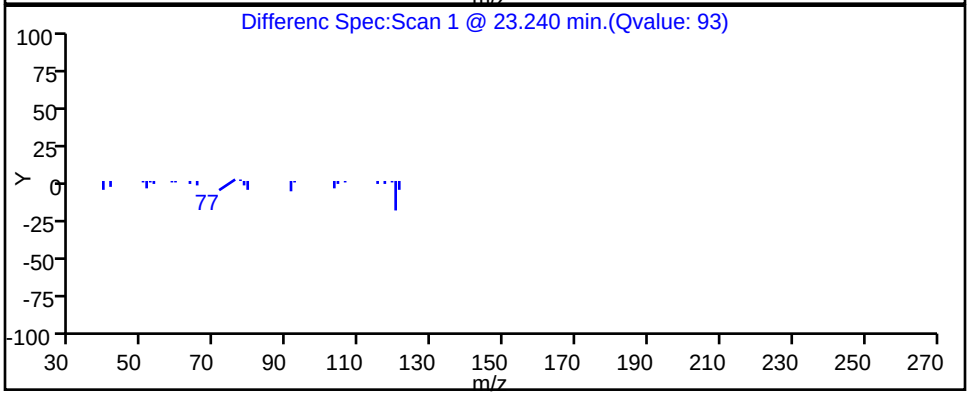






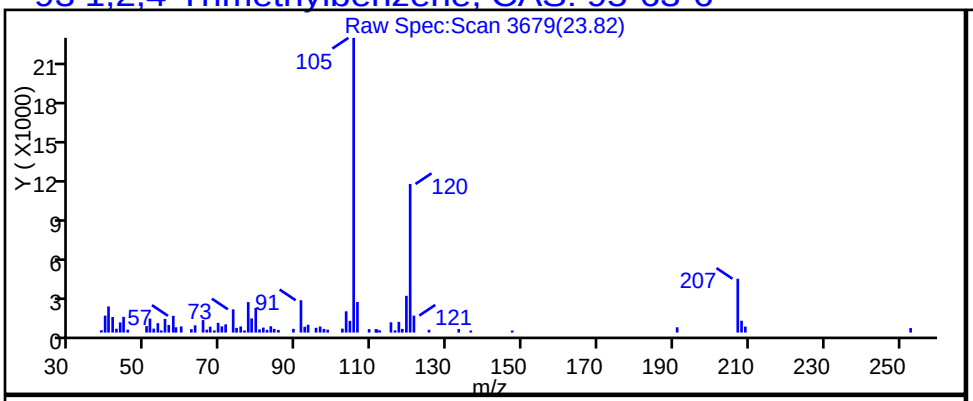


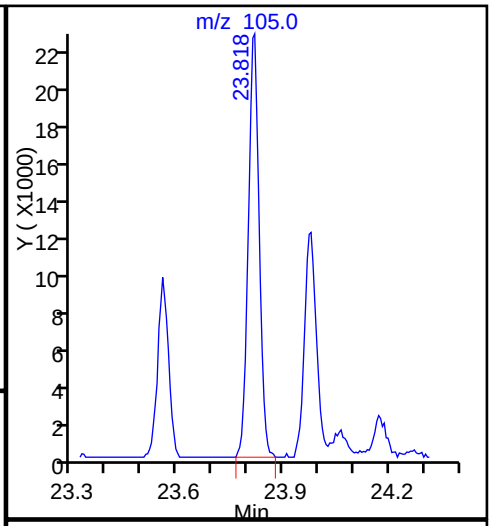


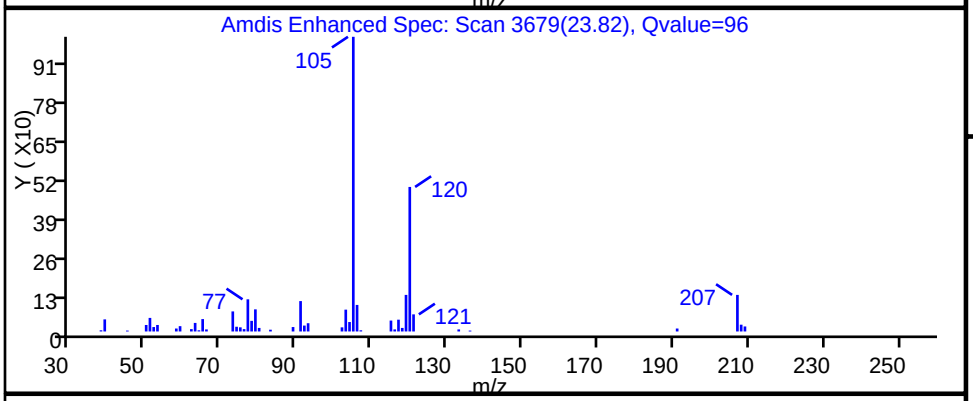


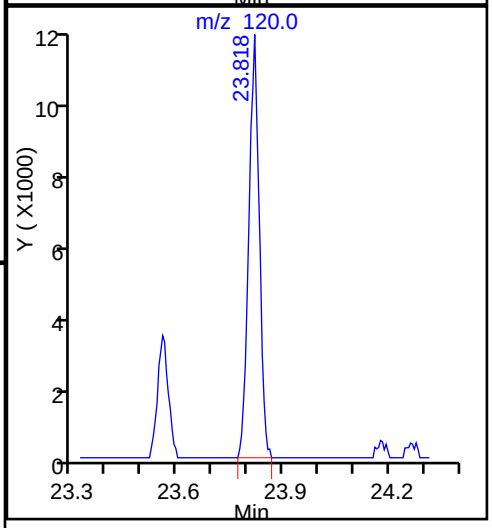
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

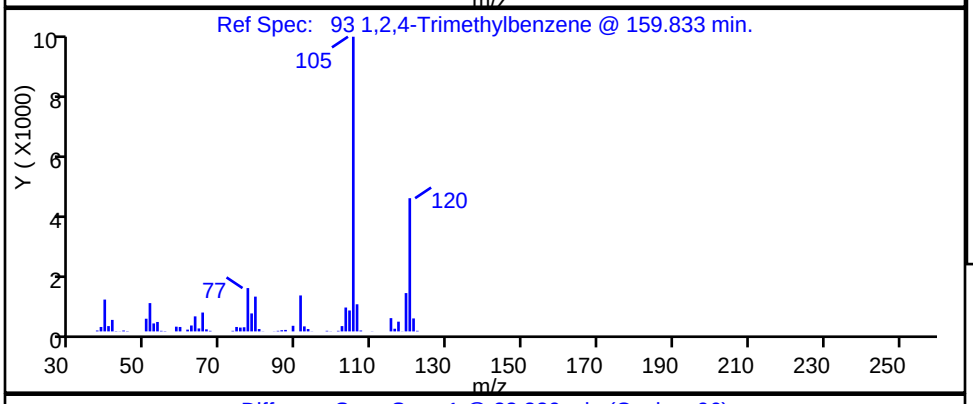
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

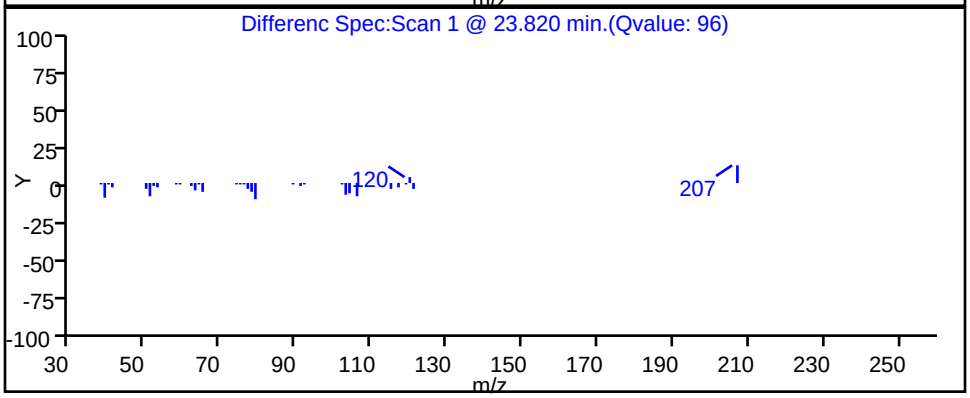








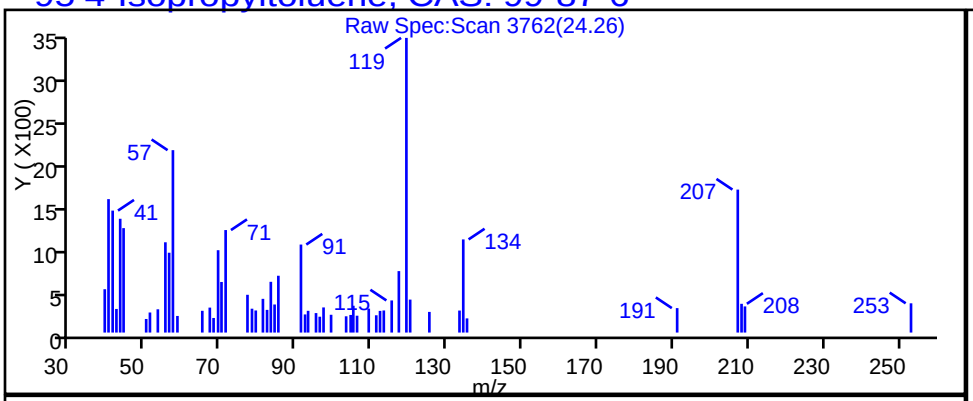


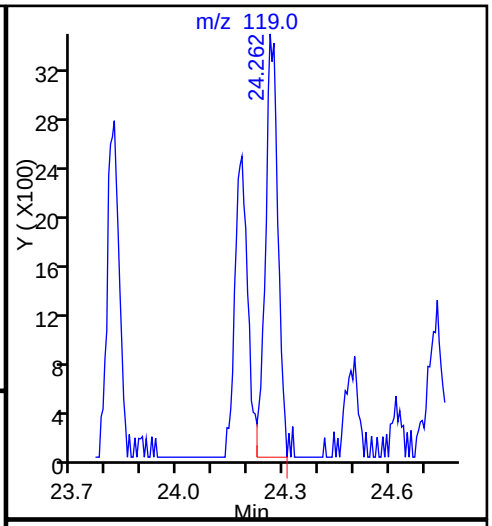


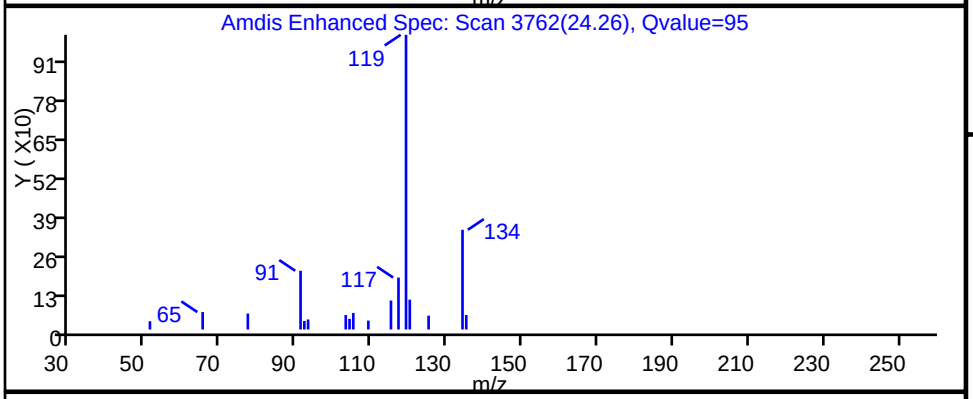
TestAmerica Burlington

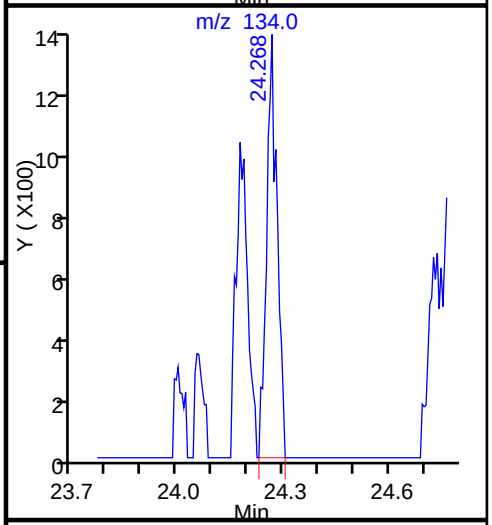
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

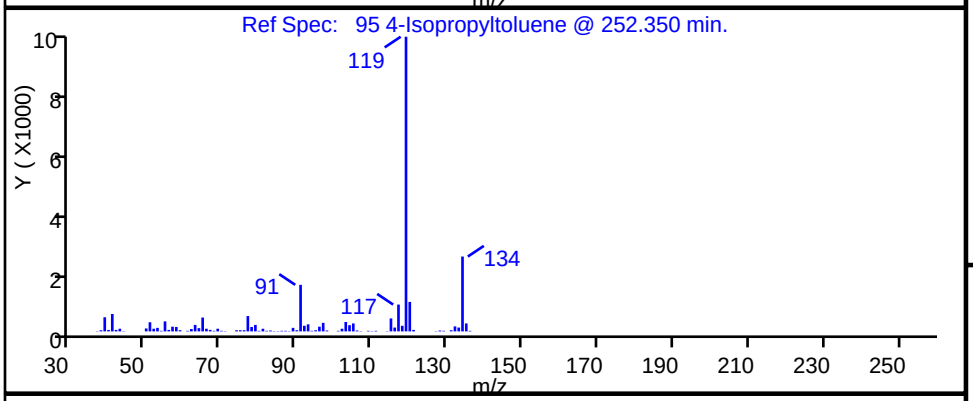
95 4-Isopropyltoluene, CAS: 99-87-6

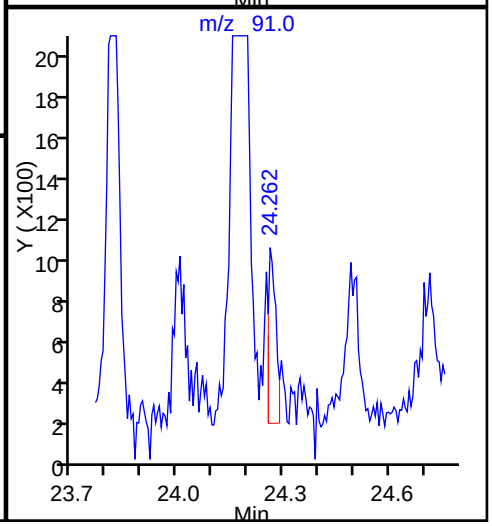


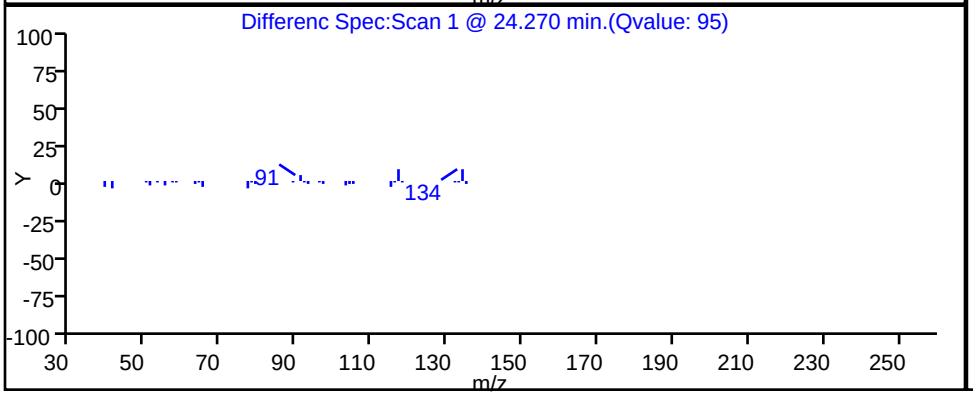








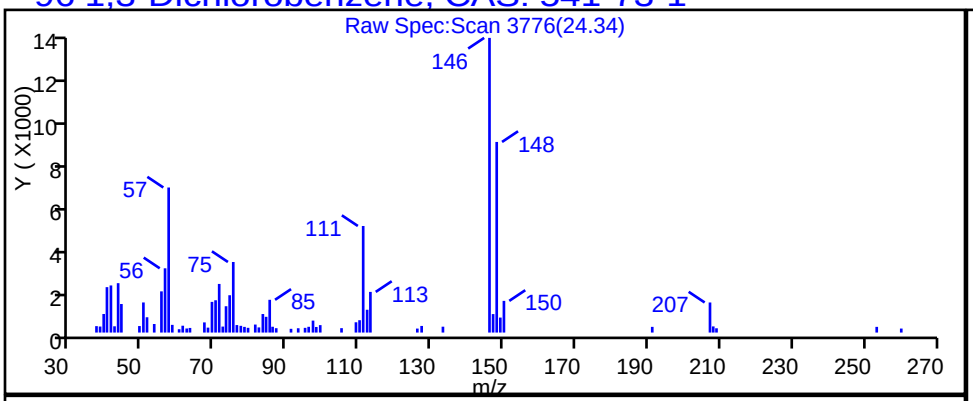


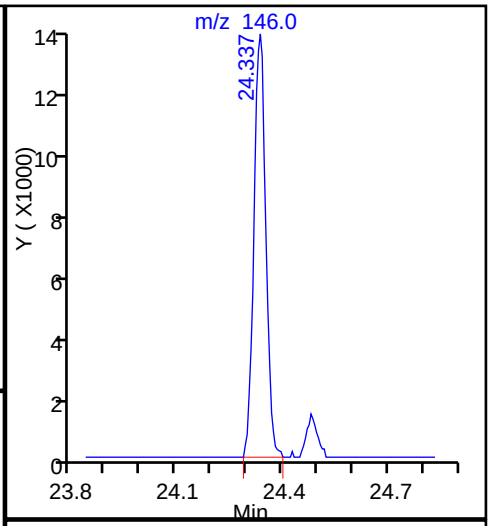


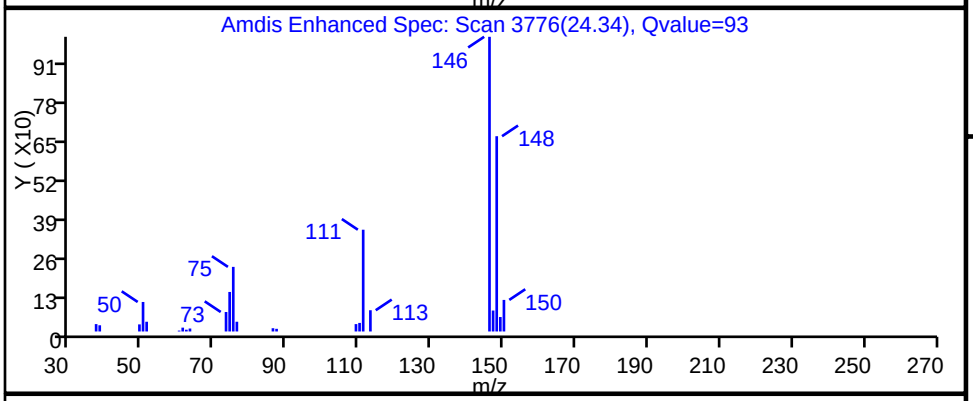
TestAmerica Burlington

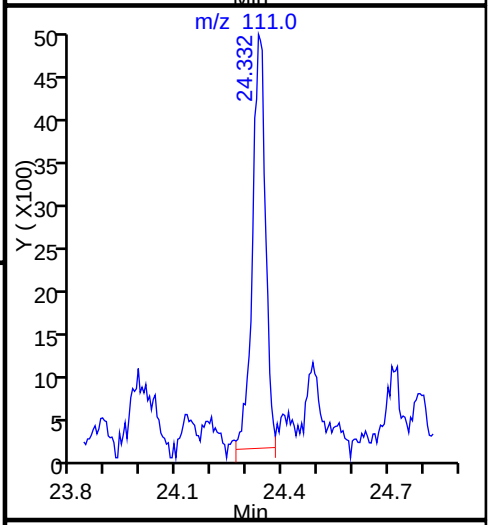
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

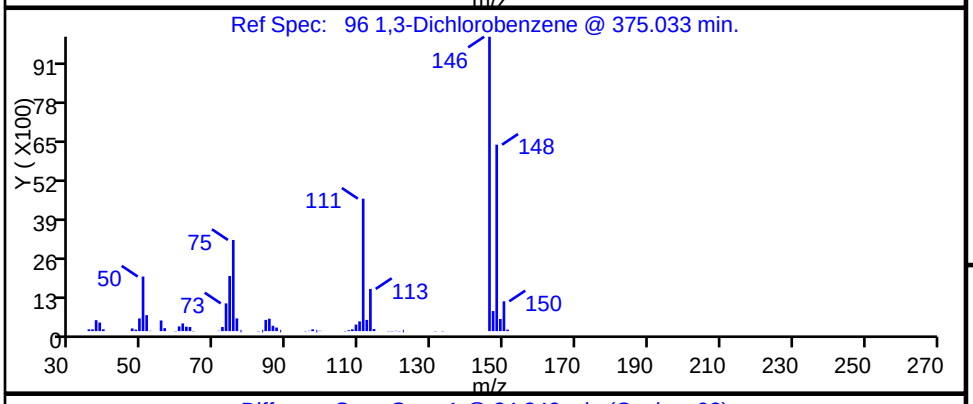
96 1,3-Dichlorobenzene, CAS: 541-73-1

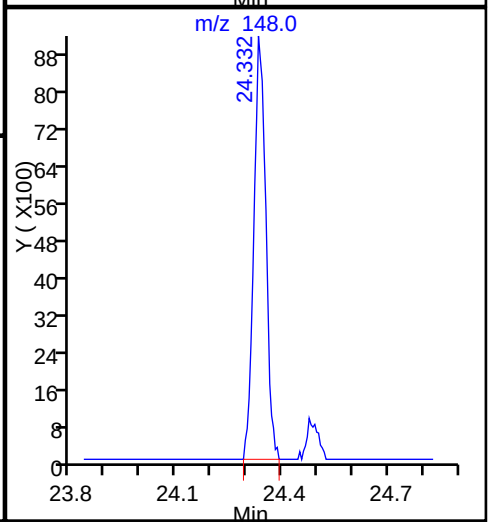


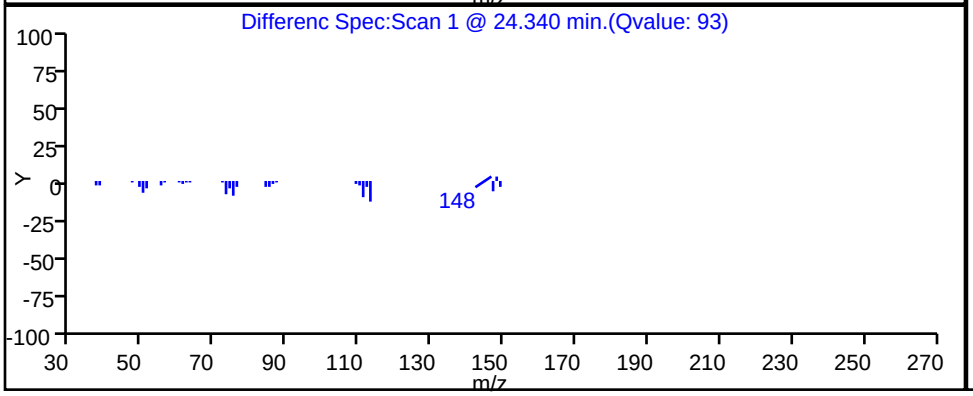








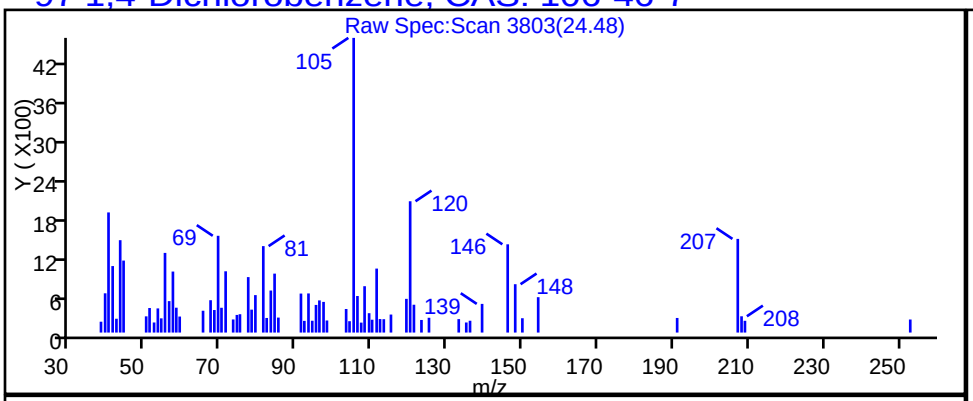


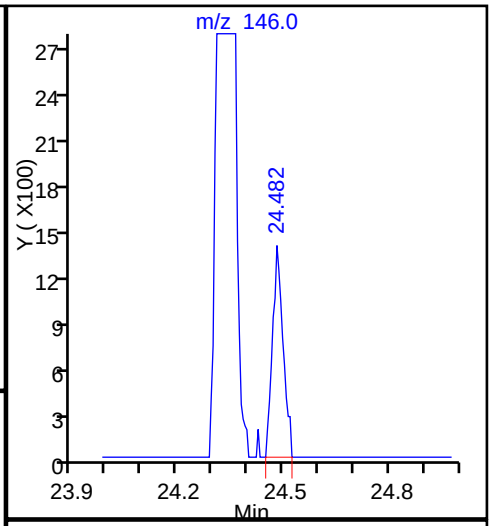


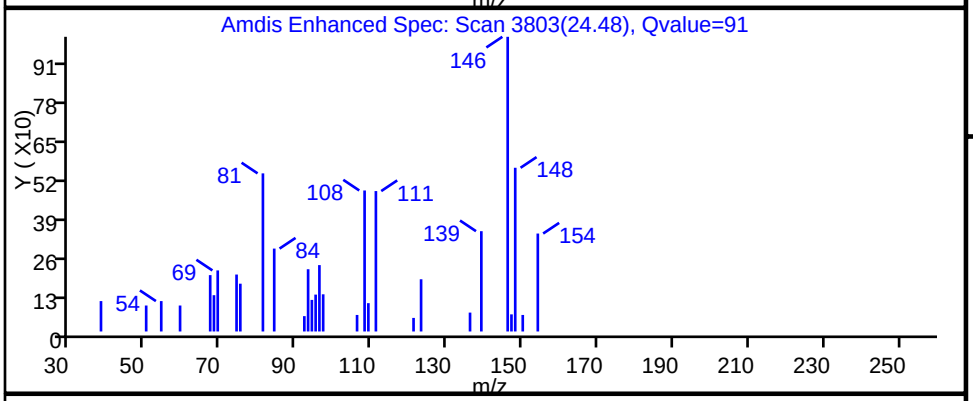
TestAmerica Burlington

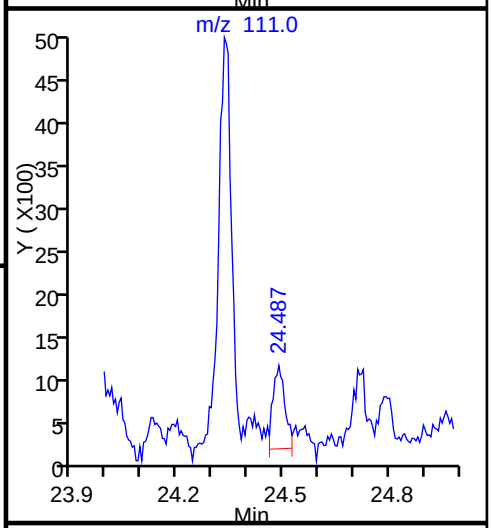
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

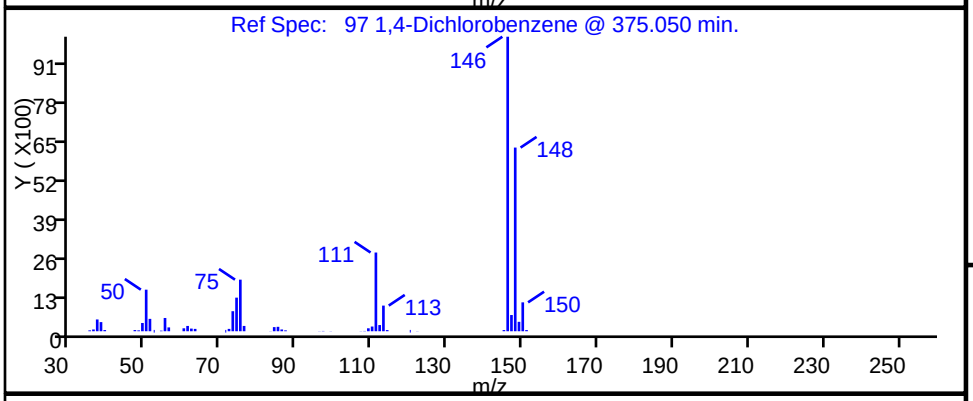
97 1,4-Dichlorobenzene, CAS: 106-46-7

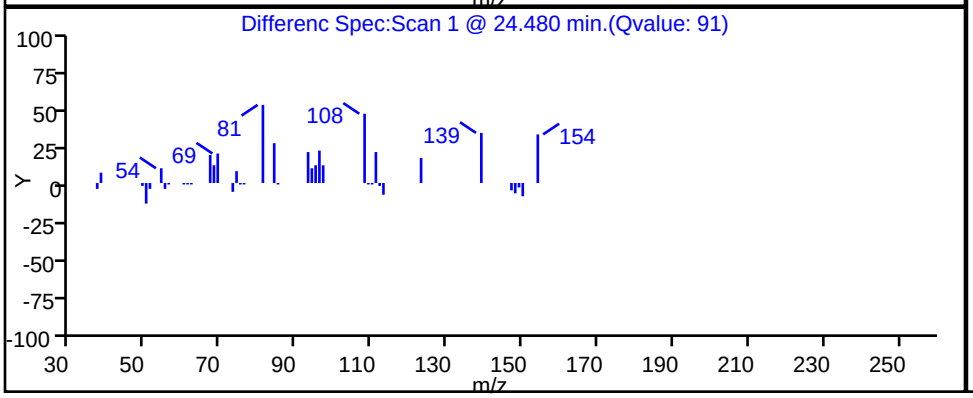


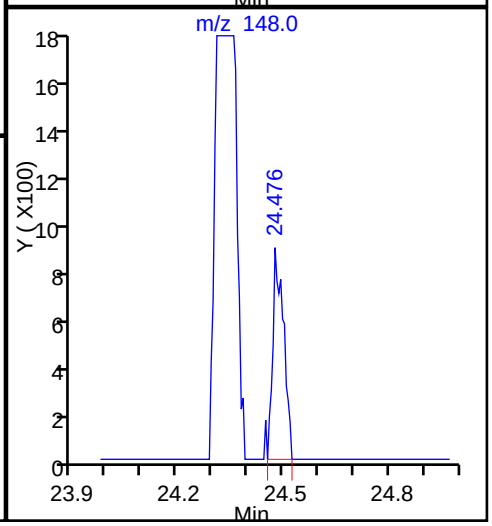






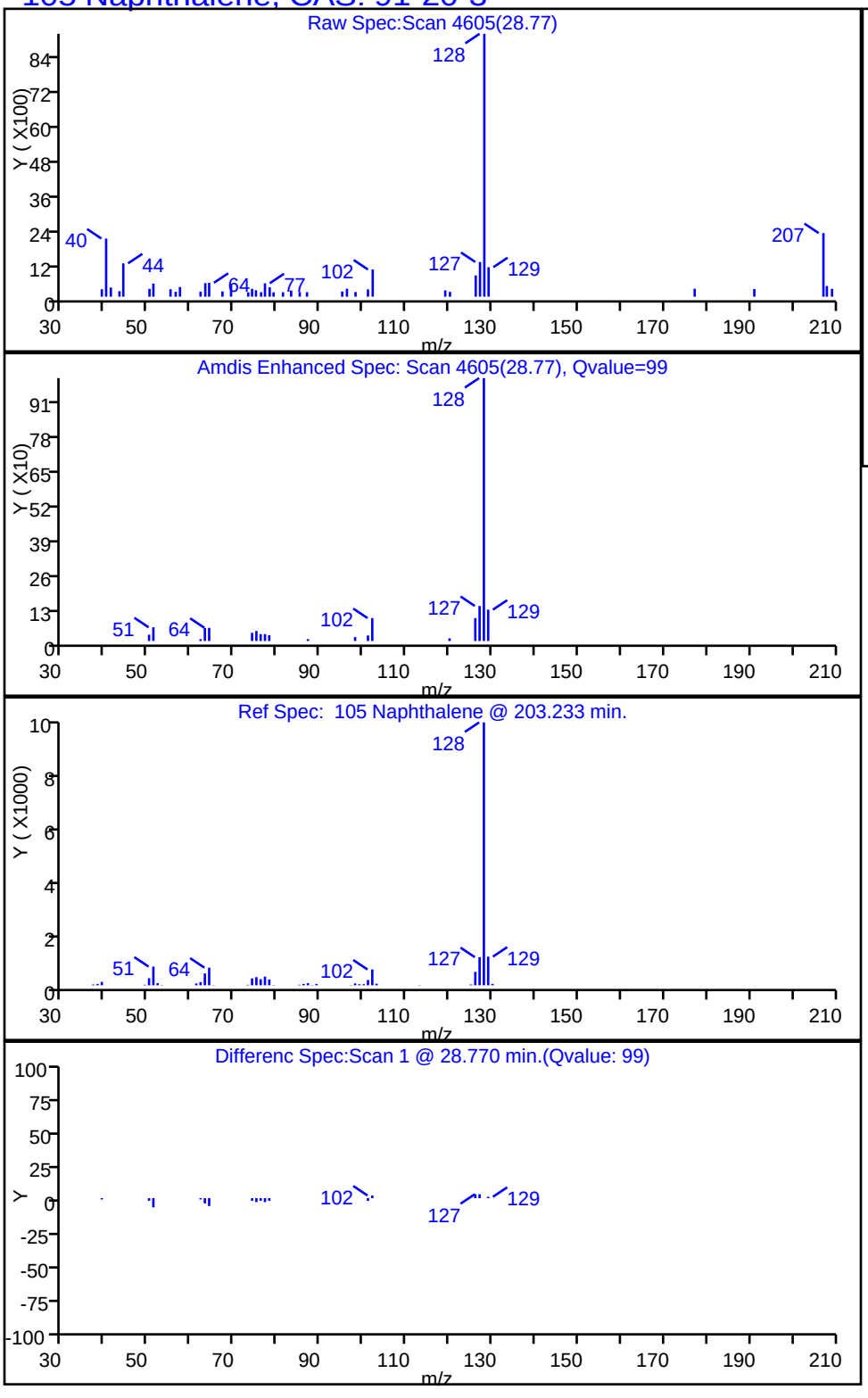


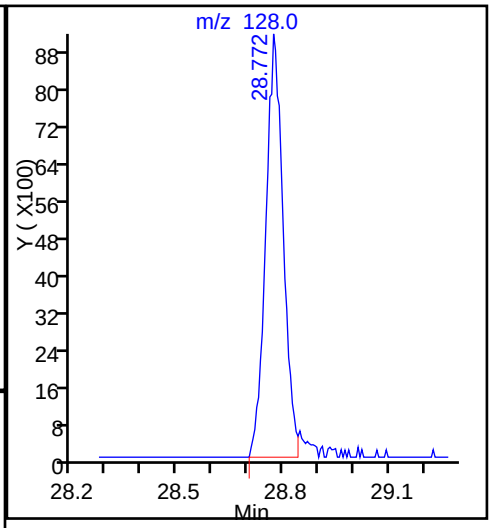




Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d
Injection Date: 10-Sep-2015 23:26:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-15 Lab Sample ID: 200-29580-15
Client ID: 786VMP0102PA
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

105 Naphthalene, CAS: 91-20-3





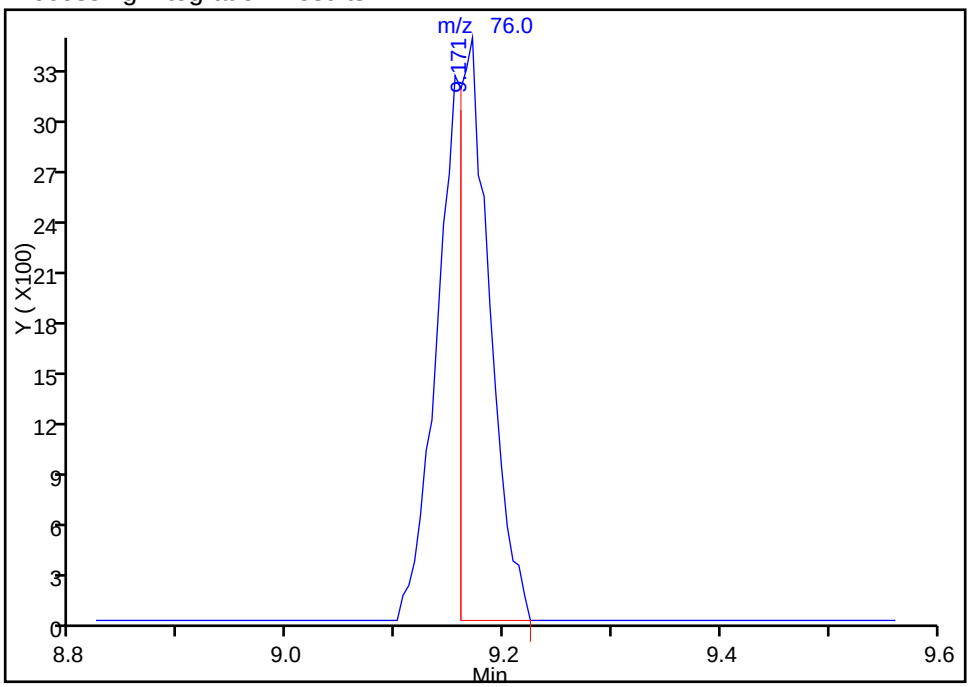
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

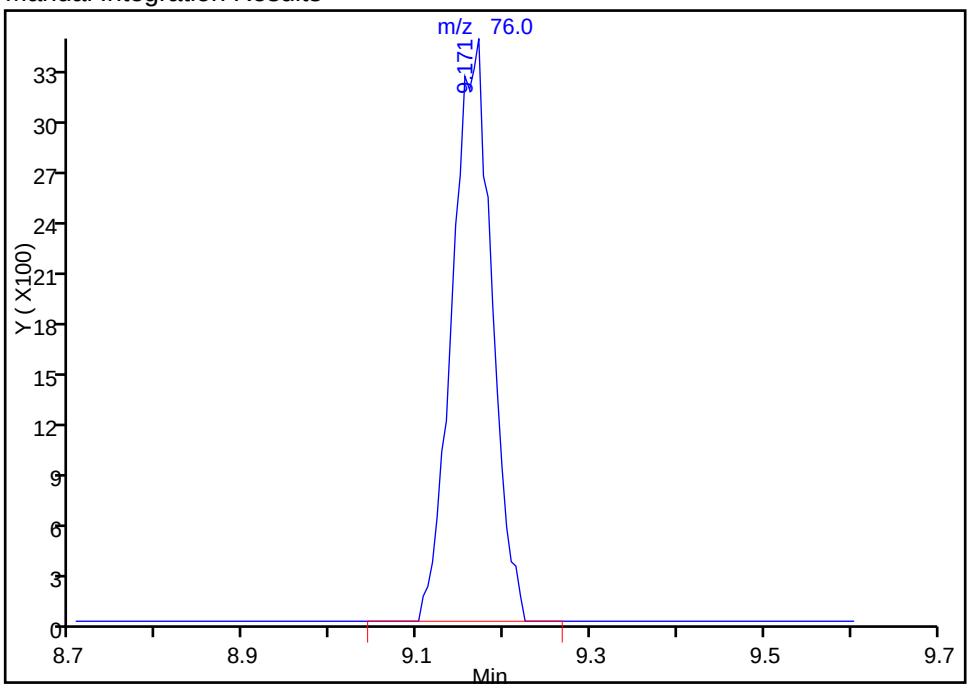
Processing Integration Results

RT: 9.17
Area: 6664
Amount: 0.132790
Amount Units: ppb v/v



Manual Integration Results

RT: 9.17
Area: 11042
Amount: 0.220029
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:38:02
Audit Action: Manually Integrated
Audit Reason: Baseline

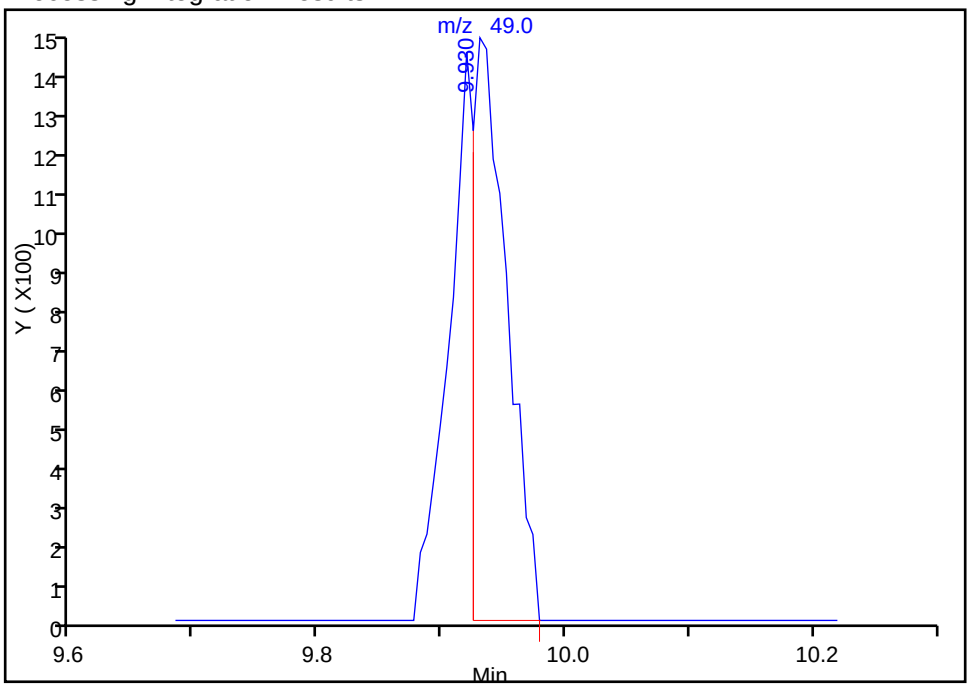
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

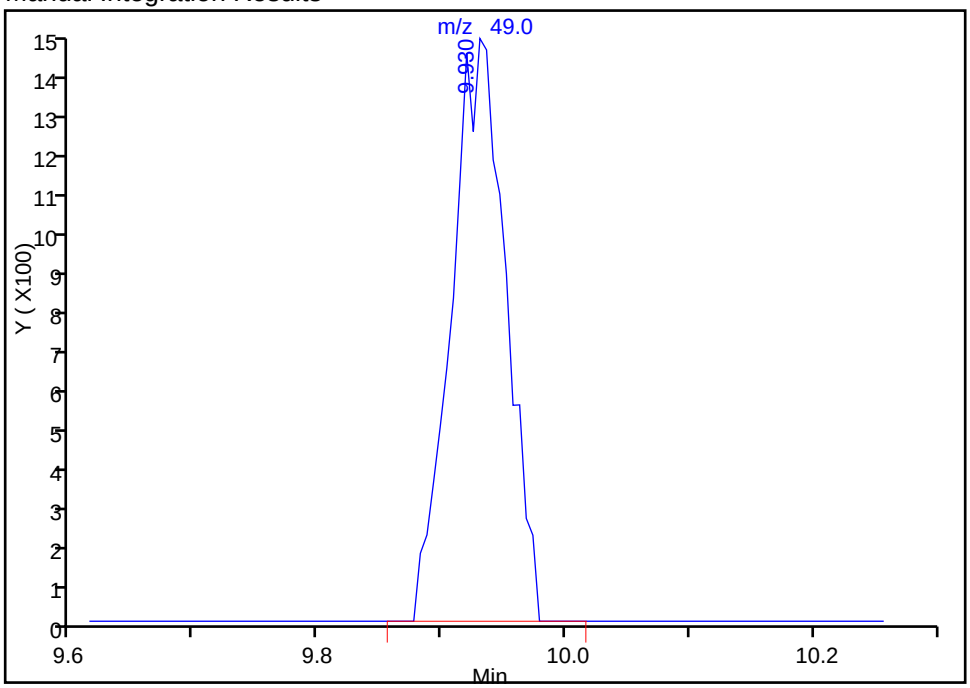
Processing Integration Results

RT: 9.93
Area: 2862
Amount: 0.175658
Amount Units: ppb v/v



Manual Integration Results

RT: 9.93
Area: 4558
Amount: 0.279751
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:38:02
Audit Action: Manually Integrated
Audit Reason: Baseline

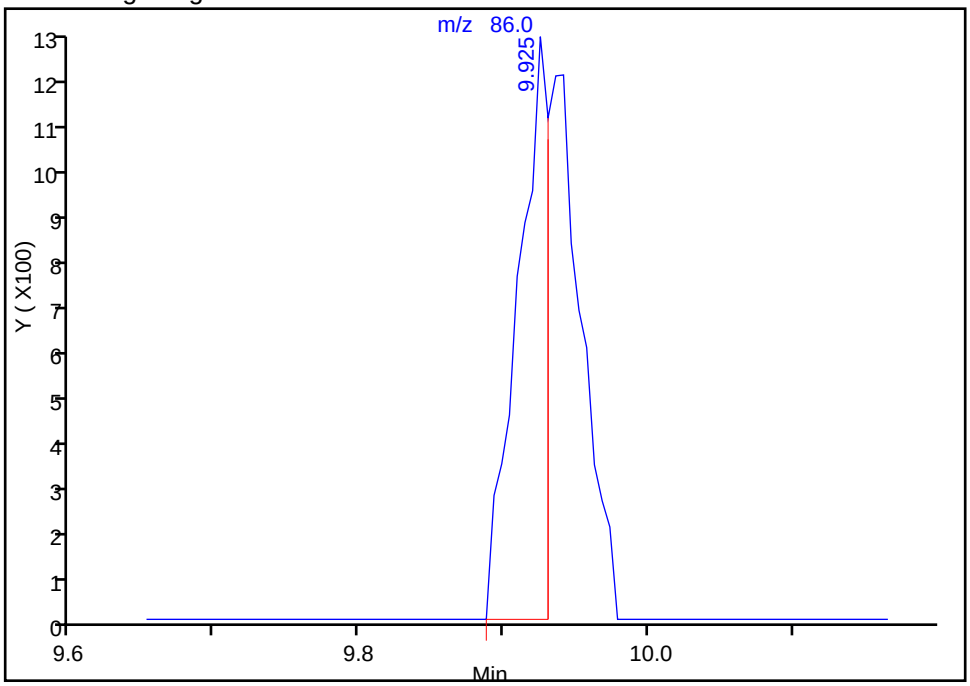
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_019.d				
Injection Date:	10-Sep-2015 23:26:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-15	Lab Sample ID:	200-29580-15		
Client ID:	786VMP0102PA				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

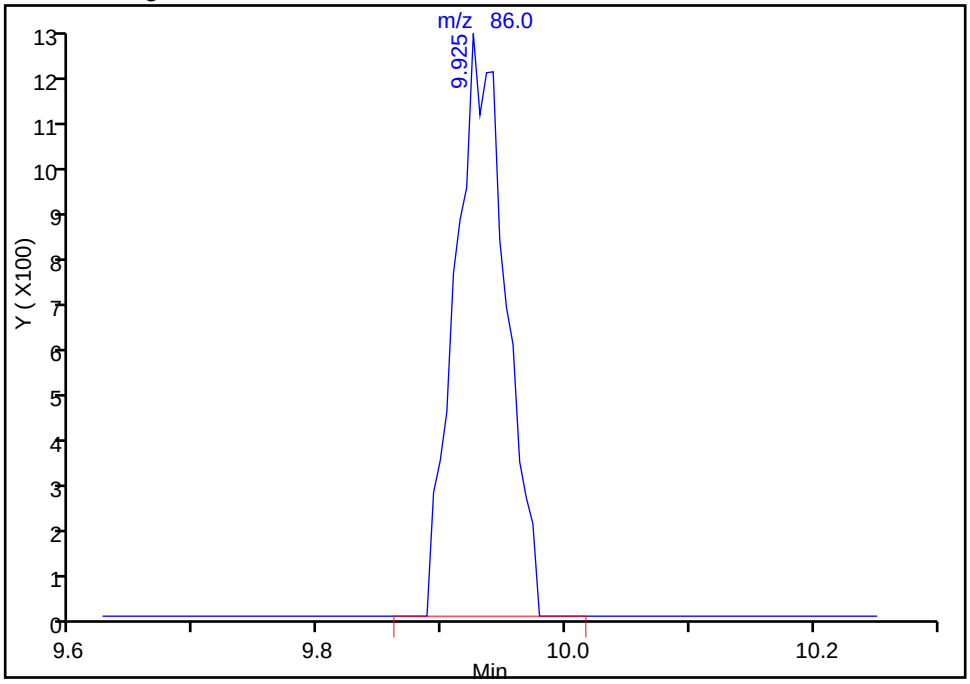
Processing Integration Results

RT: 9.93
Area: 1836
Amount: 0.175658
Amount Units: ppb v/v



Manual Integration Results

RT: 9.93
Area: 3453
Amount: 0.279751
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:38:02
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785IA15 Lab Sample ID: 200-29580-16

Matrix: Air Lab File ID: 15629_18.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:25

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 01:41

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.68		0.50	0.056
75-45-6	Freon 22	86.47	0.40	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.82		0.20	0.052
74-87-3	Chloromethane	50.49	0.47	J	0.50	0.060
106-97-8	n-Butane	58.12	3.1		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.21		0.20	0.045
76-13-1	Freon TF	187.38	0.061	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	3.9	J	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.30	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.40	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.28		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.42	J	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.12	J M	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.071	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.052	J	0.20	0.023
71-43-2	Benzene	78.11	0.12	J M	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785IA15 | Lab Sample ID: 200-29580-16

Matrix: Air | Lab File ID: 15629_18.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:25

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 01:41

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.: 93647 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.11	J M	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.57		0.50	0.18
108-88-3	Toluene	92.14	0.23		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.12	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.52		0.50	0.025
95-47-6	Xylene, o-	106.17	0.29		0.20	0.018
1330-20-7	Xylene (total)	106.17	0.81		0.70	0.041
100-42-5	Styrene	104.15	0.016	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.076	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.12	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.11	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.48		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785IA15 Lab Sample ID: 200-29580-16

Matrix: Air Lab File ID: 15629_18.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:25

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 01:41

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.042	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785IA15 Lab Sample ID: 200-29580-16

Matrix: Air Lab File ID: 15629_18.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:25

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 01:41

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.4		2.5	0.28
75-45-6	Freon 22	86.47	1.4	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	5.7		1.4	0.36
74-87-3	Chloromethane	50.49	0.97	J	1.0	0.12
106-97-8	n-Butane	58.12	7.4		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.25
76-13-1	Freon TF	187.38	0.47	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	9.3	J	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.92	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	1.4	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.99		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.2	J	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.41	J M	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.45	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.24	J	0.93	0.11
71-43-2	Benzene	78.11	0.37	J M	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785IA15 | Lab Sample ID: 200-29580-16

Matrix: Air | Lab File ID: 15629_18.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:25

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 01:41

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.: 93647 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.43	J M	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	2.3		2.0	0.74
108-88-3	Toluene	92.14	0.89		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.52	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	2.2		2.2	0.11
95-47-6	Xylene, o-	106.17	1.2		0.87	0.078
1330-20-7	Xylene (total)	106.17	3.5		3.0	0.18
100-42-5	Styrene	104.15	0.069	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.37	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.61	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.54	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	2.4		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785IA15 Lab Sample ID: 200-29580-16

Matrix: Air Lab File ID: 15629_18.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:25

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 01:41

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.22	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D
Lims ID: 200-29580-A-16 Lab Sample ID: 200-29580-16
Client ID: 785IA15
Sample Type: Client
Inject. Date: 05-Sep-2015 01:41:30 ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-018
Misc. Info.: 29580-16
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2015 09:11:15 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 08-Sep-2015 09:11:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.167	3.167	0.000	99	17774	0.6803	
3 Chlorodifluoromethane	51	3.220	3.215	0.005	96	5106	0.4041	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.434	3.429	0.005	95	21832	0.8219	
5 Chloromethane	50	3.573	3.568	0.005	98	3462	0.4709	
6 Butane	43	3.766	3.761	0.006	98	37535	3.11	
7 Vinyl chloride	62		3.809				ND	
8 Butadiene	54		3.884				ND	
9 Bromomethane	94		4.552				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101	5.258	5.248	0.010	97	5957	0.2067	
18 1,1,2-Trichloro-1,2,2-trif	101	6.296	6.291	0.005	86	1405	0.0609	
20 1,1-Dichloroethene	96		6.350				ND	
21 Acetone	43	6.644	6.596	0.048	87	45953	3.91	
22 Carbon disulfide	76	6.740	6.740	0.000	97	8116	0.2962	
23 Isopropyl alcohol	45		6.885				ND	
24 3-Chloro-1-propene	41		7.120				ND	
26 Methylene Chloride	49	7.409	7.409	0.000	88	3973	0.4013	
28 2-Methyl-2-propanol	59		7.660				ND	
29 Methyl tert-butyl ether	73		7.810				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.211	8.206	0.005	89	4116	0.2799	
33 1,1-Dichloroethane	63		8.709				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72	9.929	9.870	0.059	96	2644	0.4238	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	78	134313	10.0	
39 Tetrahydrofuran	42		10.293				ND	
41 Chloroform	83		10.410				ND	
42 Cyclohexane	84	10.656	10.667	0.005	92	2269	0.1203	M
43 1,1,1-Trichloroethane	97		10.688				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117	10.929	10.934	-0.005	57	2044	0.0714	
	45 Isooctane	57	11.357	11.362	-0.005	88	3296	0.0523	
	46 Benzene	78	11.416	11.427	0.005	90	5163	0.1174	M
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43	11.769	11.764	0.021	81	2231	0.1051	M
*	50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	753484	10.0	
	52 Trichloroethene	95		12.743				ND	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88		13.567				ND	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43	15.225	15.182	0.043	94	16319	0.5675	
	62 Toluene	92	15.476	15.482	-0.006	94	9164	0.2350	
	67 trans-1,3-Dichloropropene	75		16.097				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.584				ND	
	70 2-Hexanone	43		16.948				ND	
	71 Chlorodibromomethane	129		17.269				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.451	18.451	0.000	83	765881	10.0	
	74 Chlorobenzene	112		18.515				ND	
	75 Ethylbenzene	91	18.659	18.654	0.005	96	10142	0.1206	
	77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	18320	0.5167	
	78 o-Xylene	106	19.719	19.724	-0.005	95	10049	0.2868	
	79 Styrene	104	19.772	19.772	0.000	39	883	0.0161	
S	80 Xylenes, Total	106				0		0.8035	
	81 Bromoform	173		20.184				ND	
	82 Isopropylbenzene	105		20.361				ND	
	85 1,1,2,2-Tetrachloroethane	83		20.987				ND	
	86 N-Propylbenzene	91	21.040	21.045	-0.005	99	8870	0.0761	
	89 4-Ethyltoluene	105	21.222	21.222	0.000	98	12455	0.1233	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	94	9241	0.1108	
	93 tert-Butylbenzene	119		21.794				ND	
	94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	96	40214	0.4811	
	95 sec-Butylbenzene	105		22.110				ND	
	96 4-Isopropyltoluene	119	22.303	22.303	0.000	96	1635	0.0153	
	97 1,3-Dichlorobenzene	146		22.351				ND	
	98 1,4-Dichlorobenzene	146		22.490				ND	
	99 Benzyl chloride	91		22.693				ND	
	101 n-Butylbenzene	91		22.896				ND	
	102 1,2-Dichlorobenzene	146		23.046				ND	
	104 1,2,4-Trichlorobenzene	180		25.678				ND	
	105 Hexachlorobutadiene	225		25.865				ND	
	106 Naphthalene	128	26.213	26.208	0.005	97	4566	0.0424	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009	Amount Added:	20.00	Units: mL	Run Reagent

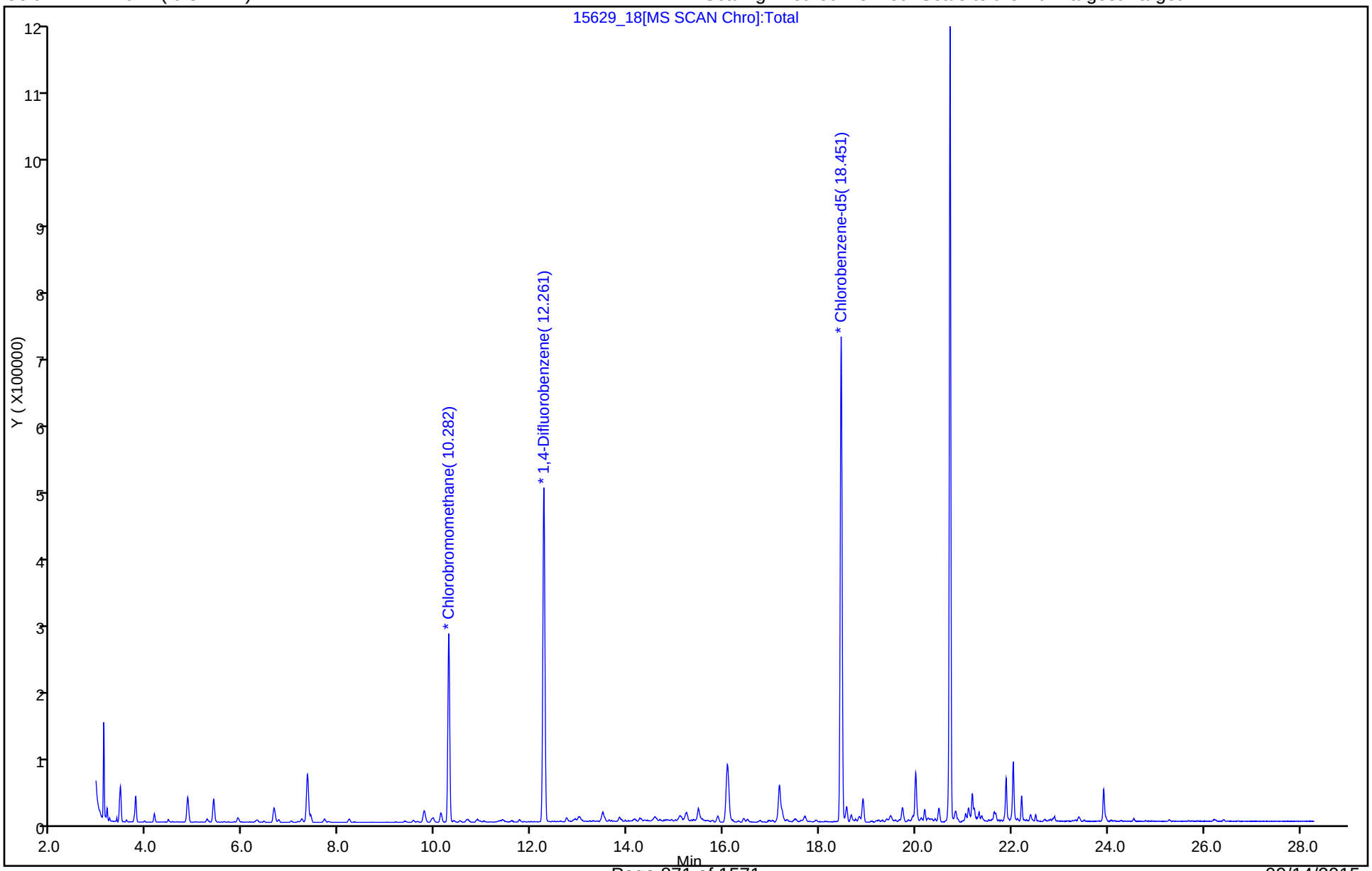
Report Date: 08-Sep-2015 09:11:17 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D

Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16	Worklist Smp#:	18
Client ID:	785IA15				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

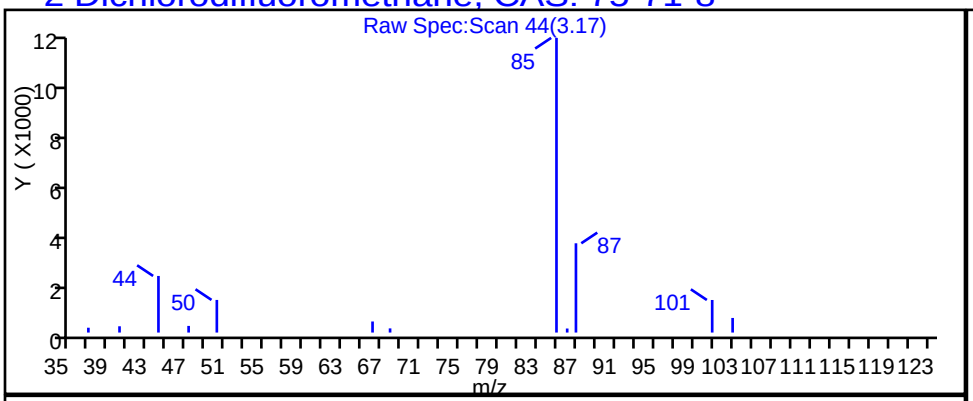
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

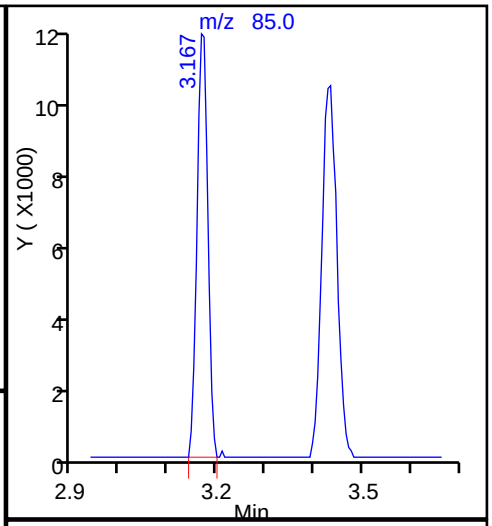


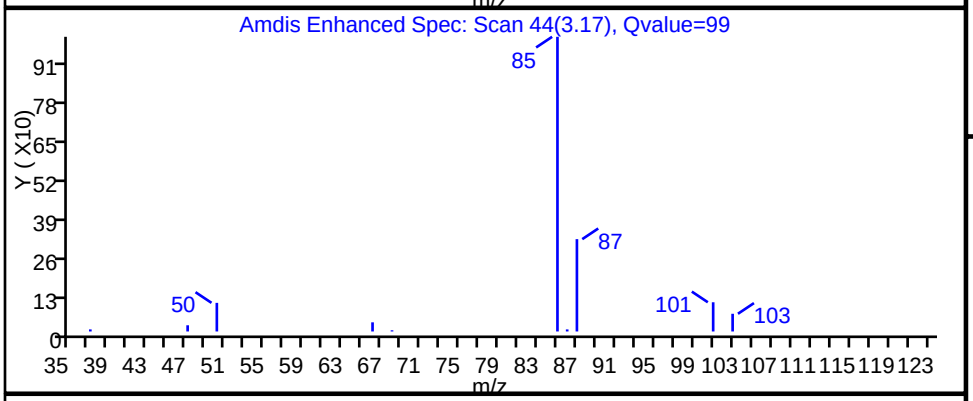
TestAmerica Burlington

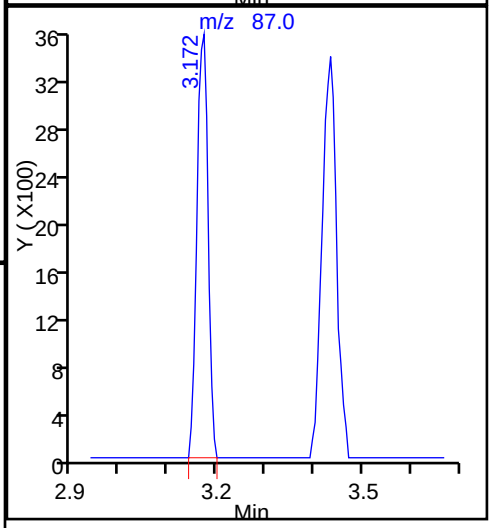
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

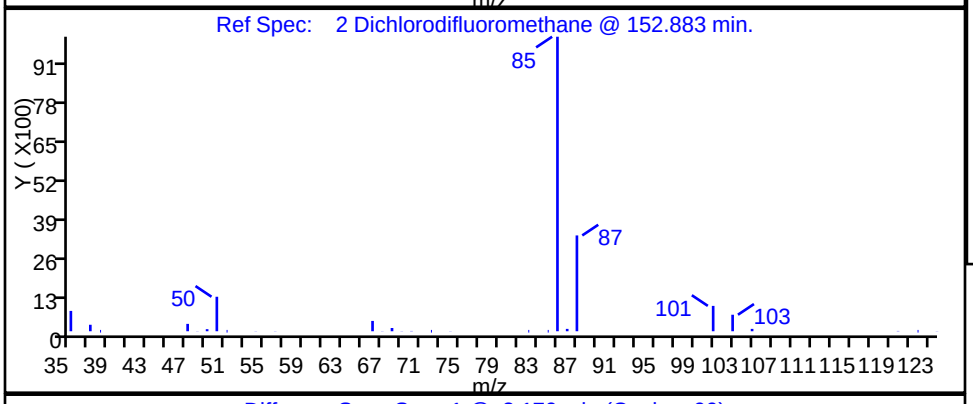
2 Dichlorodifluoromethane, CAS: 75-71-8

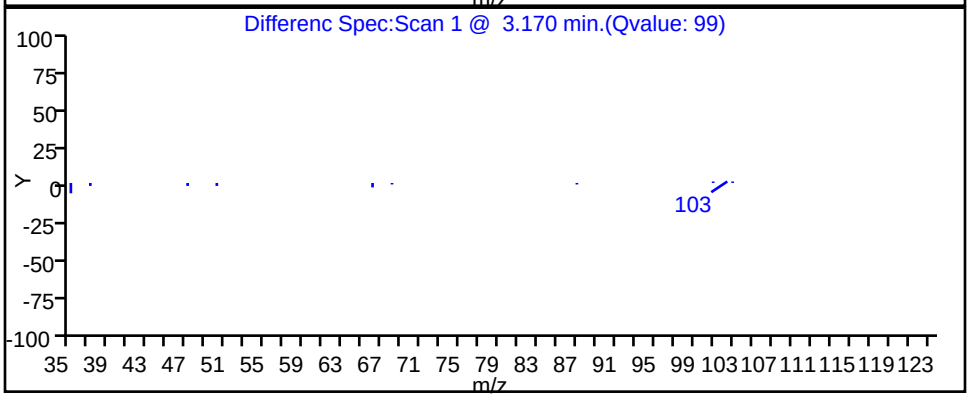








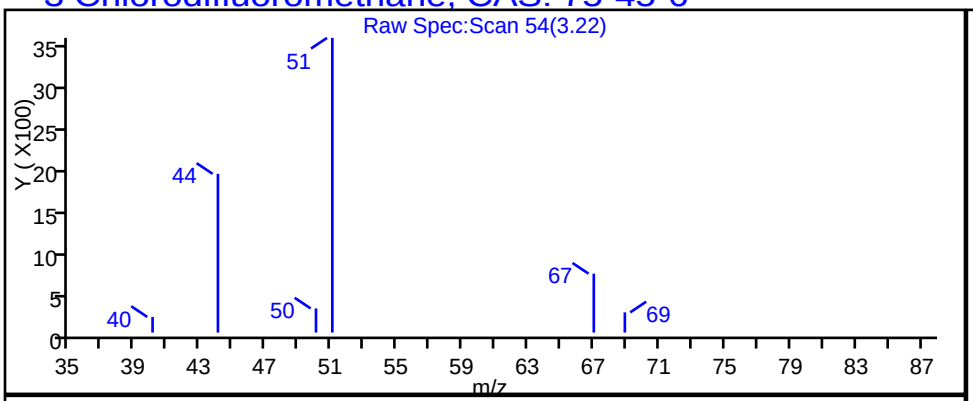


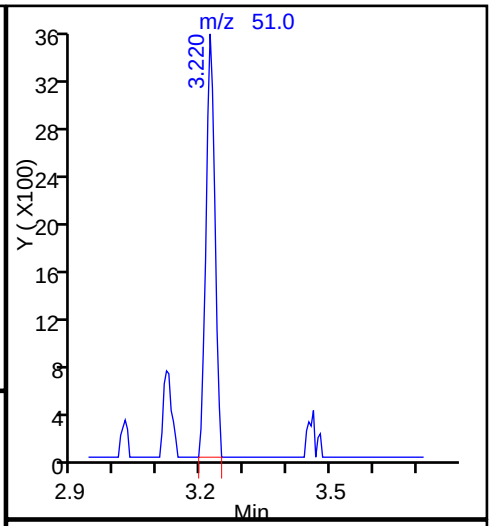


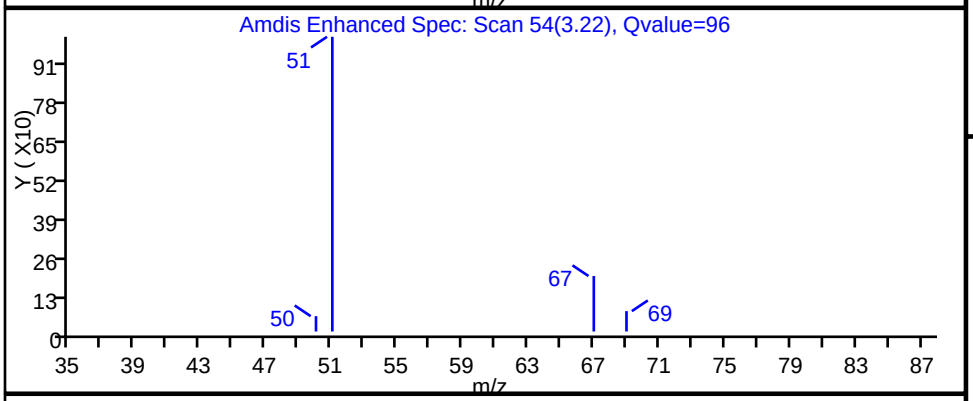
TestAmerica Burlington

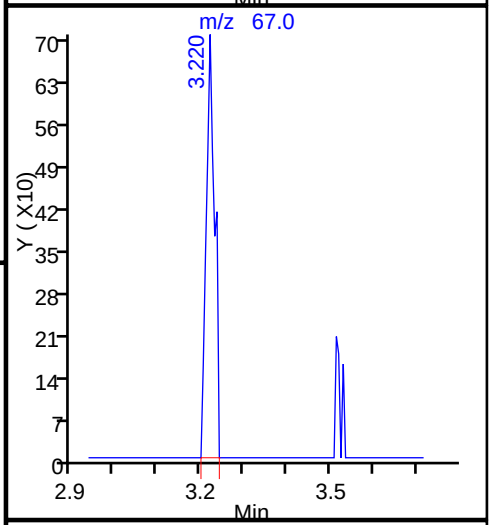
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

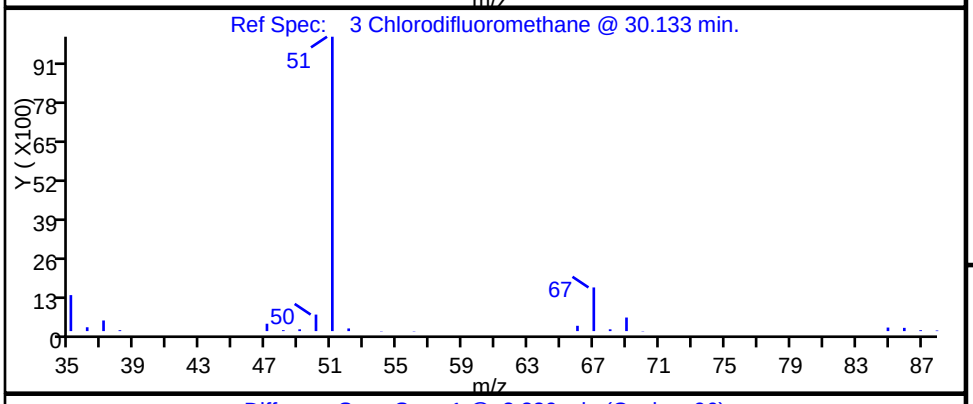
3 Chlorodifluoromethane, CAS: 75-45-6

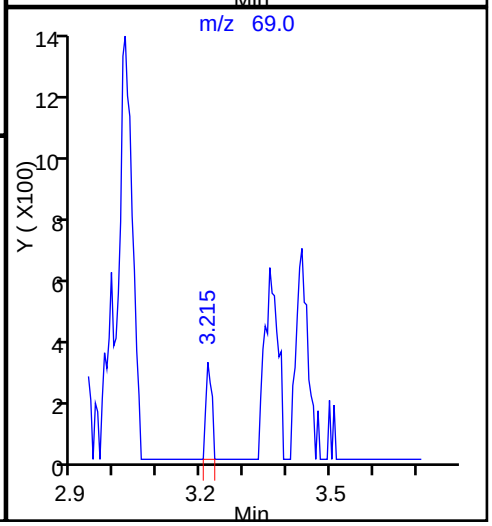


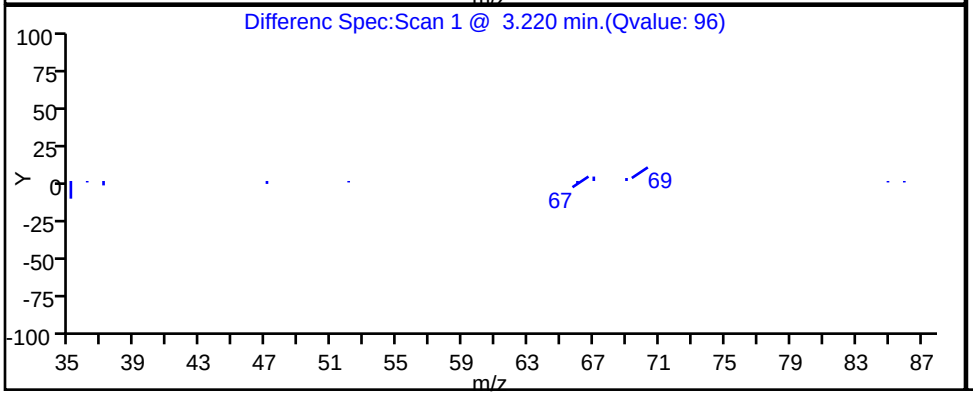










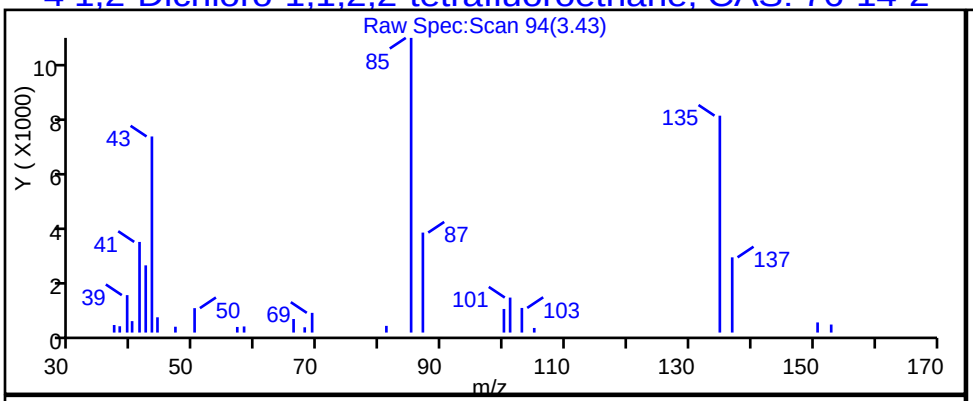


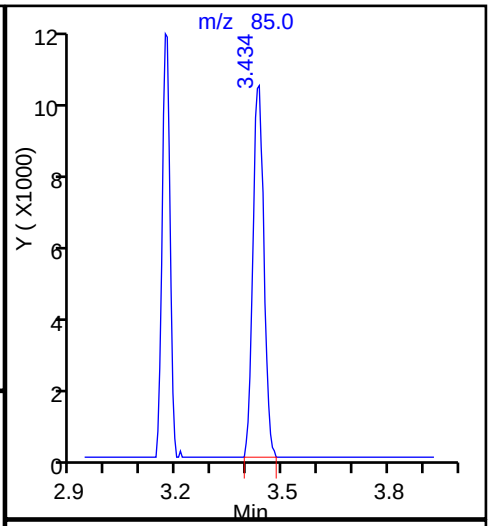
TestAmerica Burlington

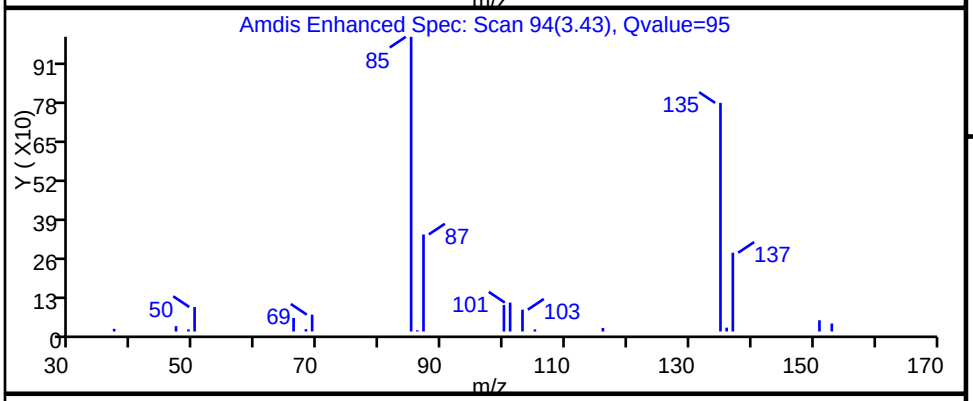
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D

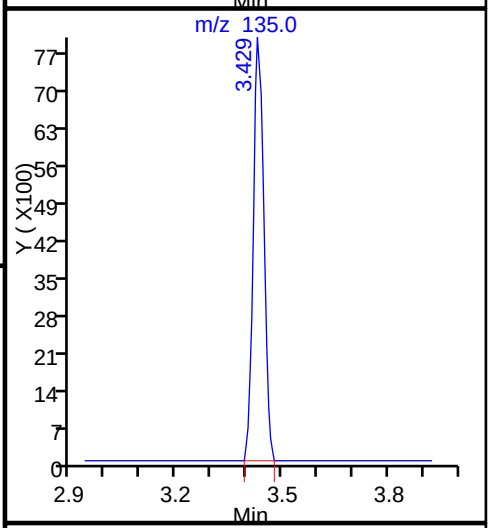
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

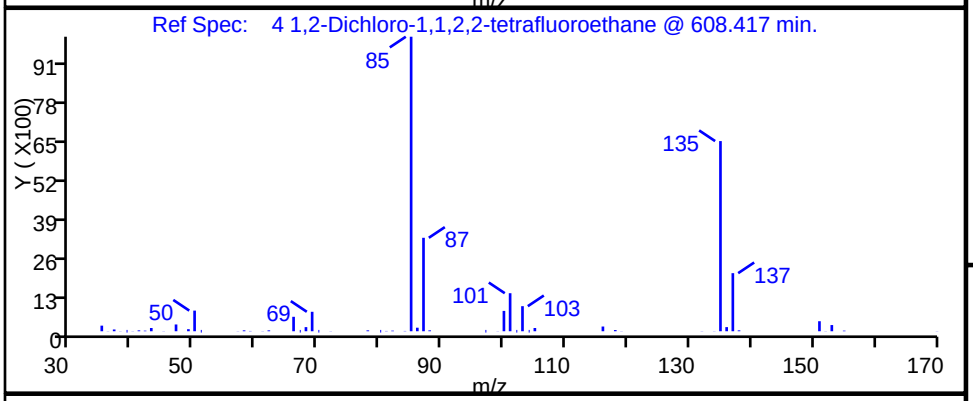
4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

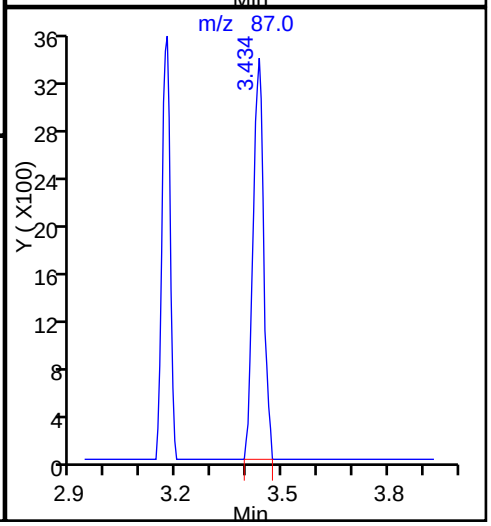


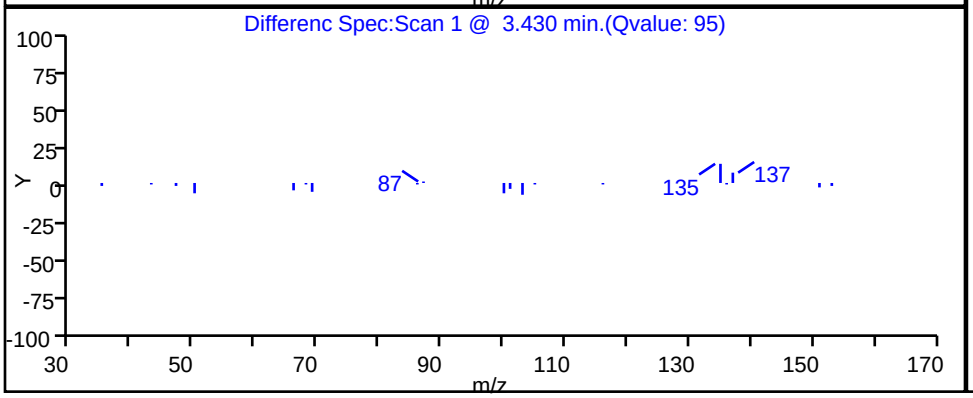








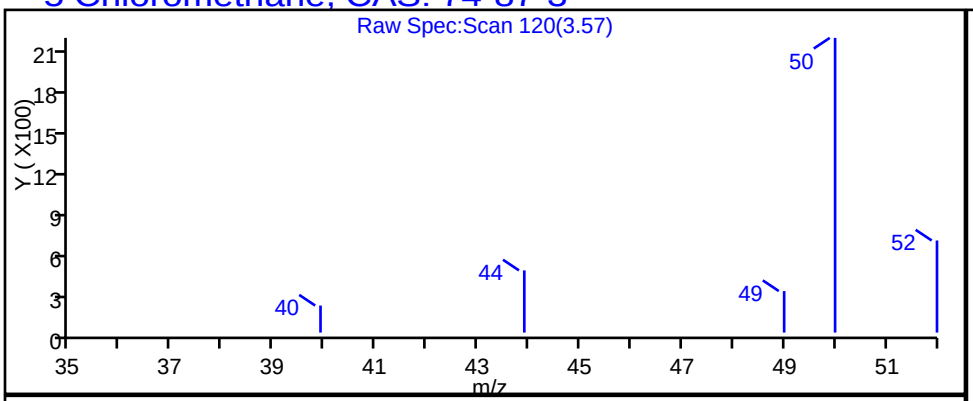


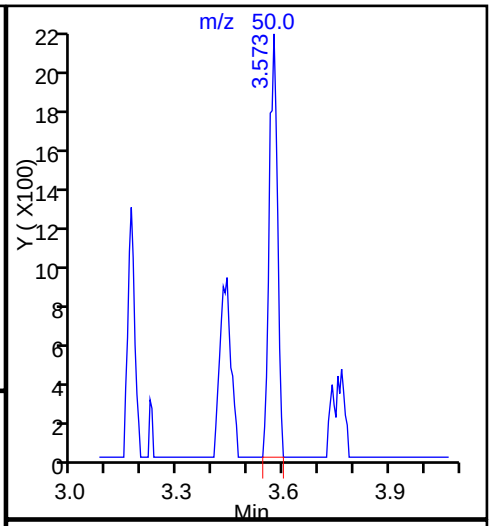


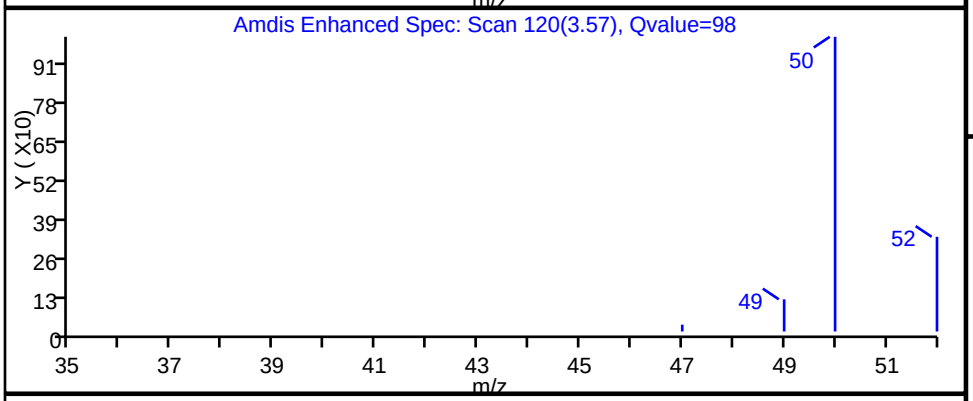
TestAmerica Burlington

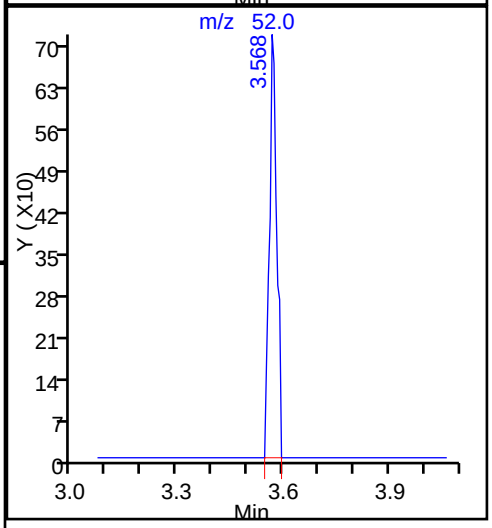
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

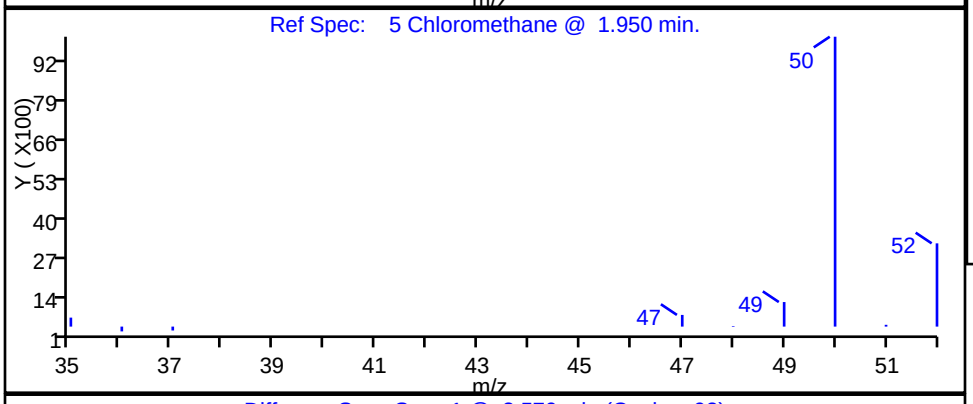
5 Chloromethane, CAS: 74-87-3

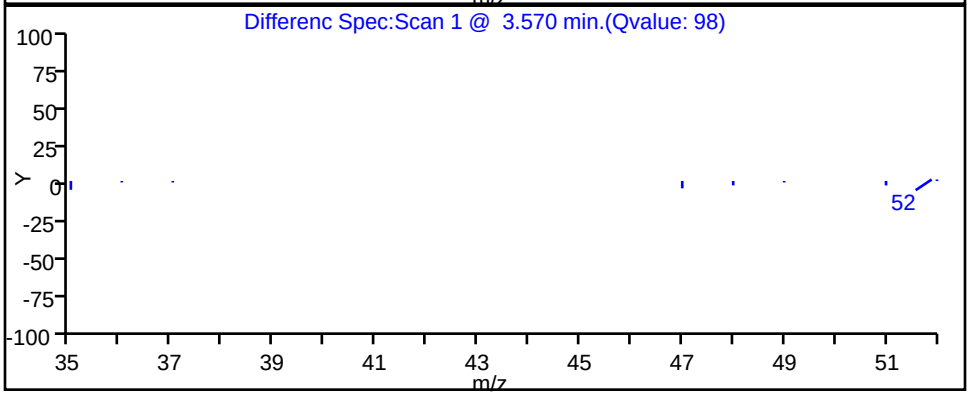








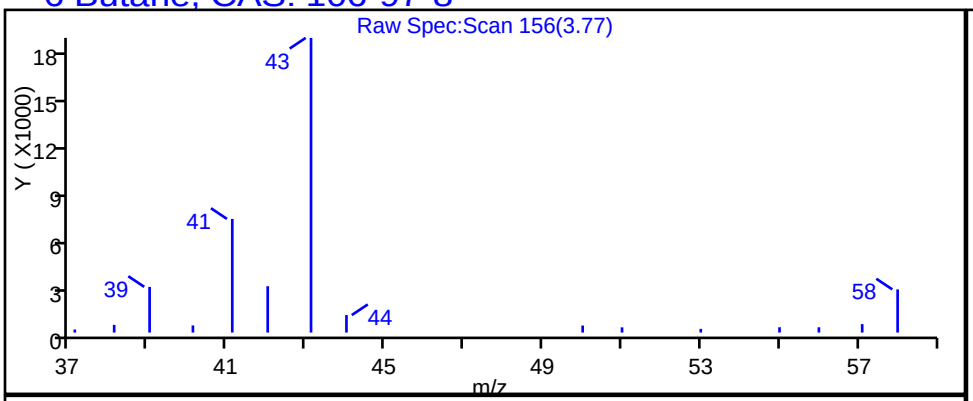


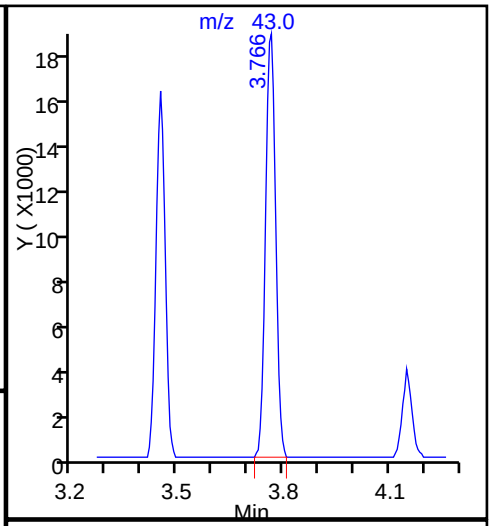


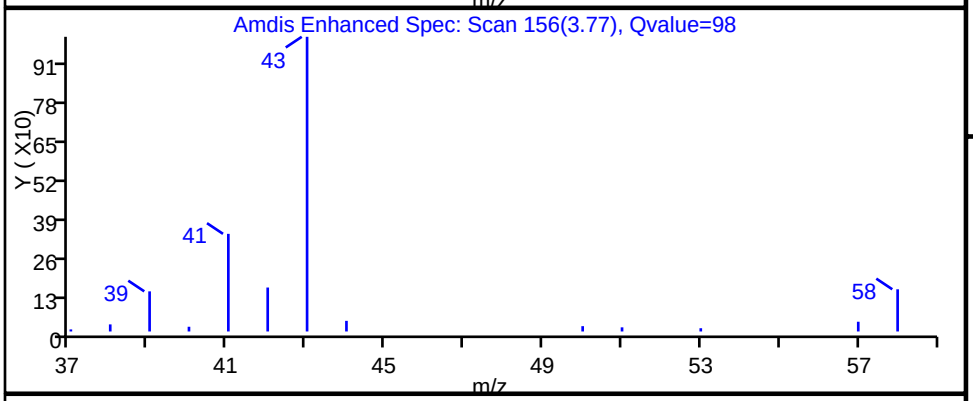
TestAmerica Burlington

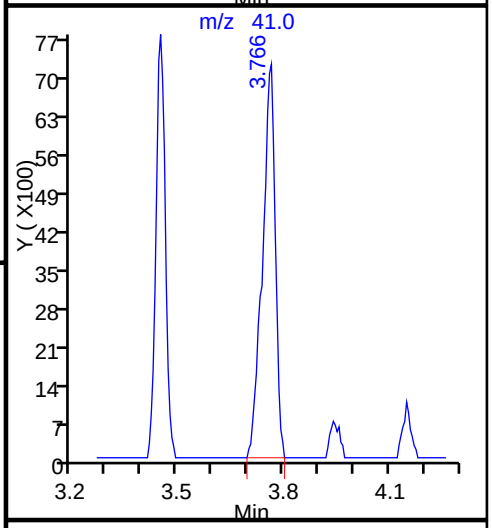
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

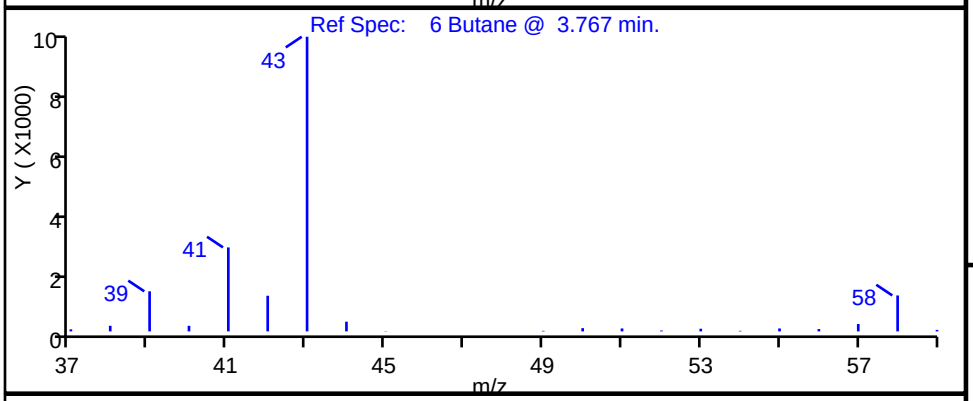
6 Butane, CAS: 106-97-8

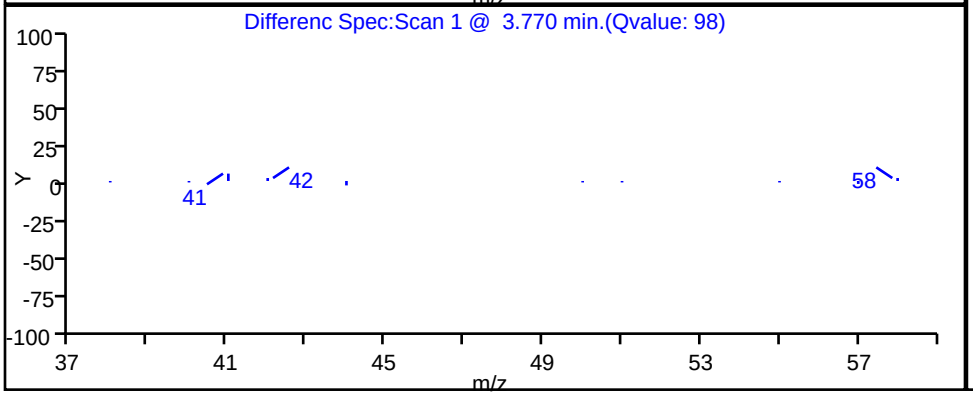


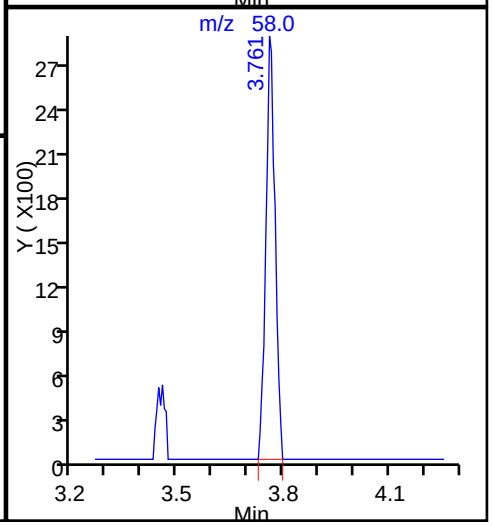








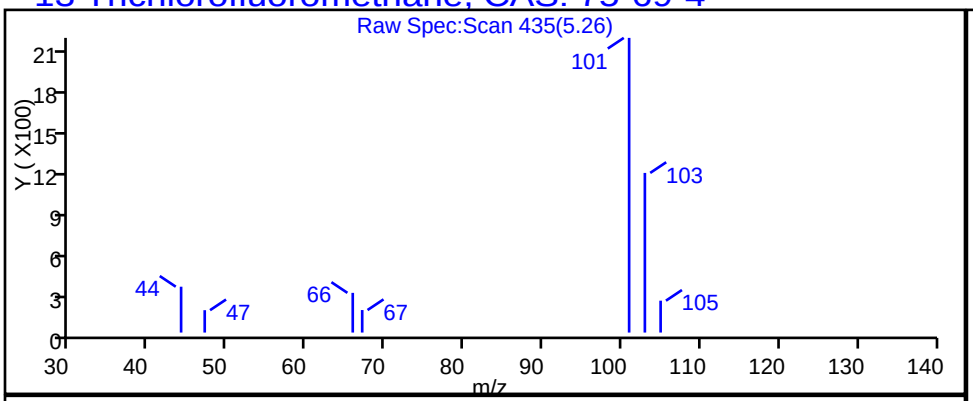


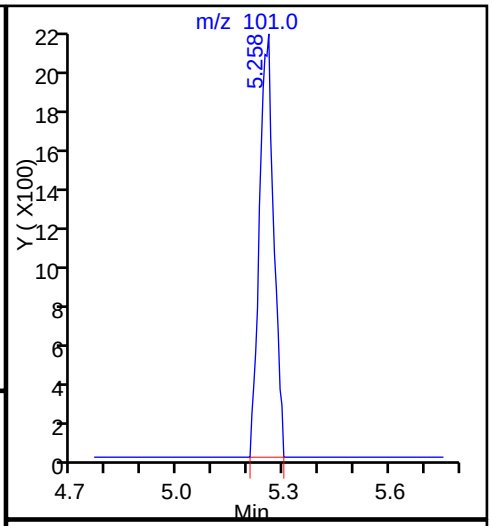


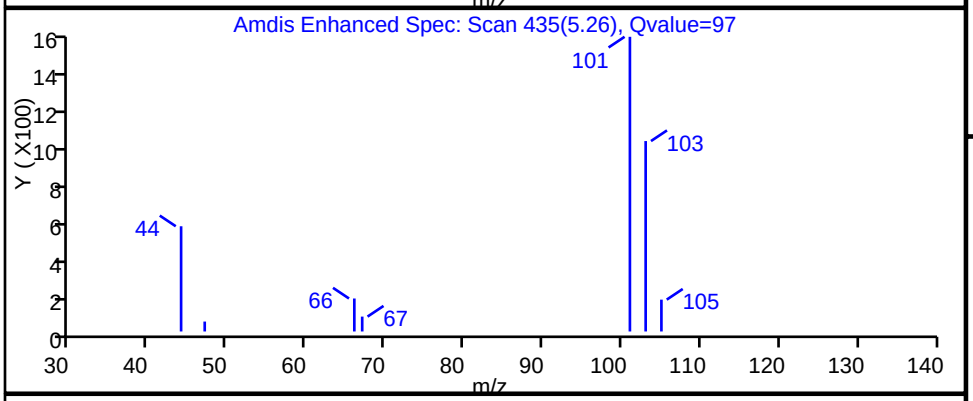
TestAmerica Burlington

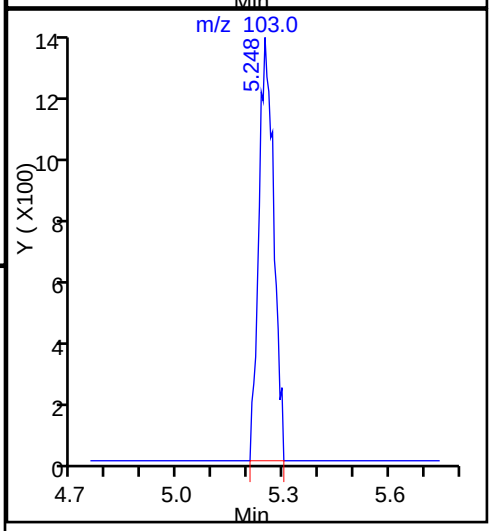
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

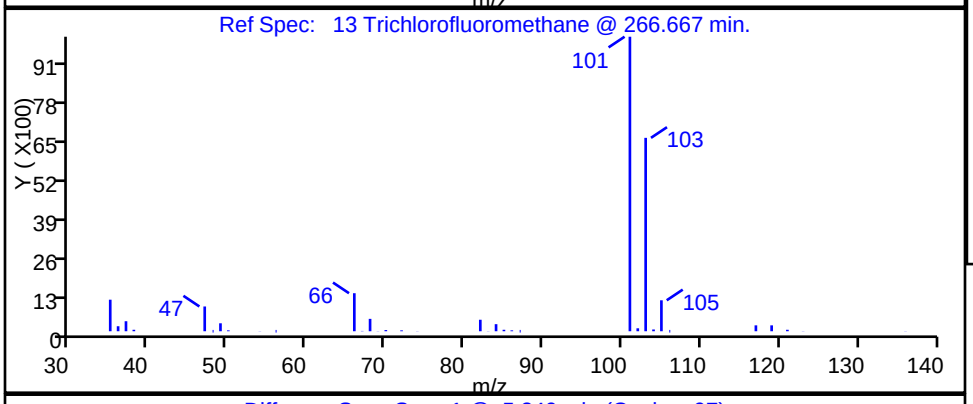
13 Trichlorofluoromethane, CAS: 75-69-4

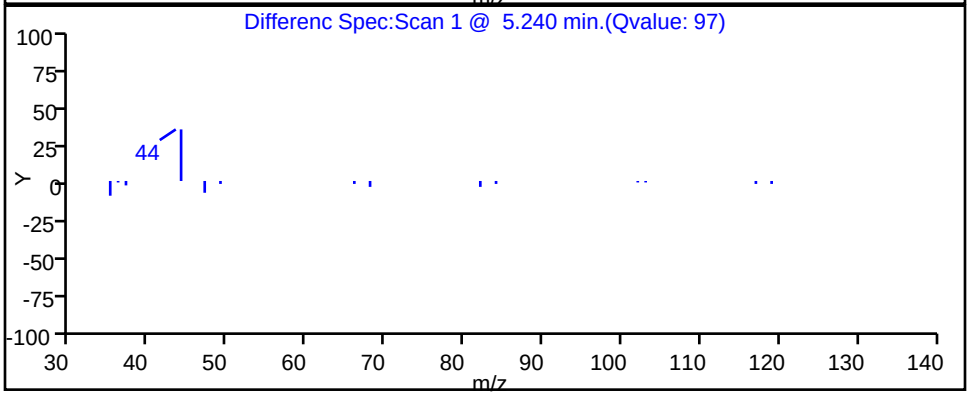










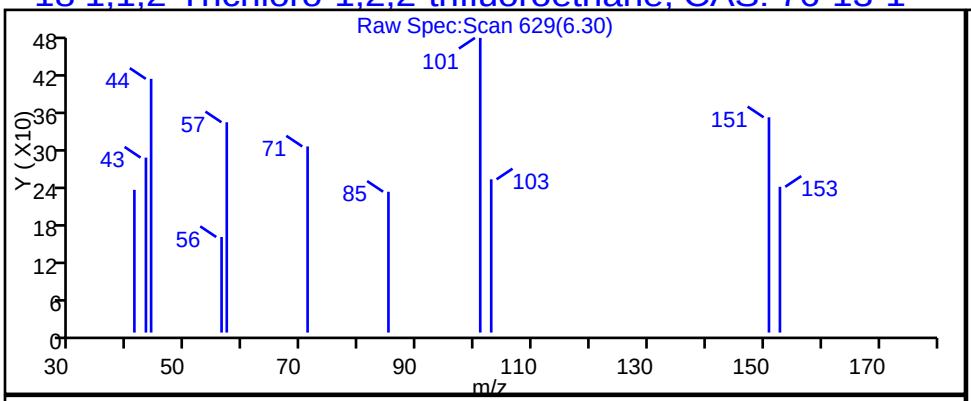


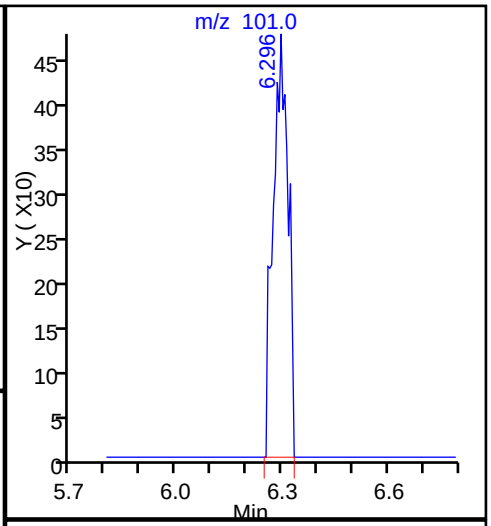
TestAmerica Burlington

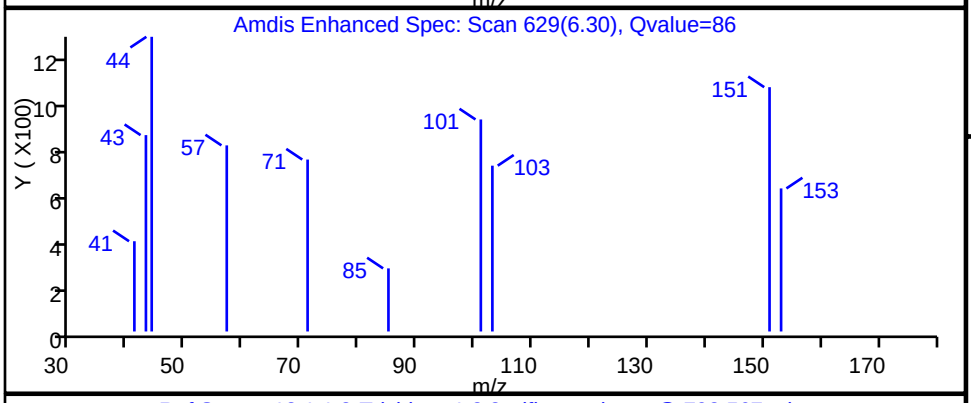
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D

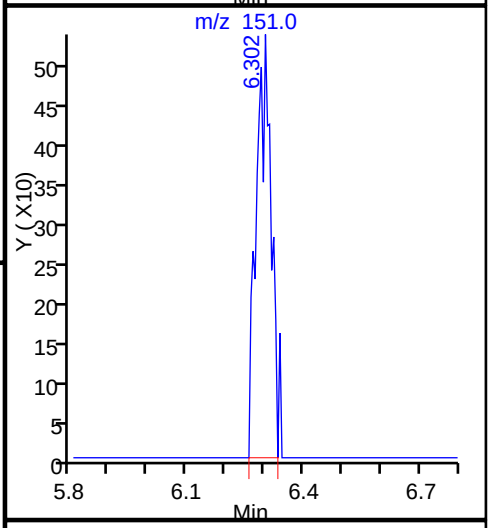
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

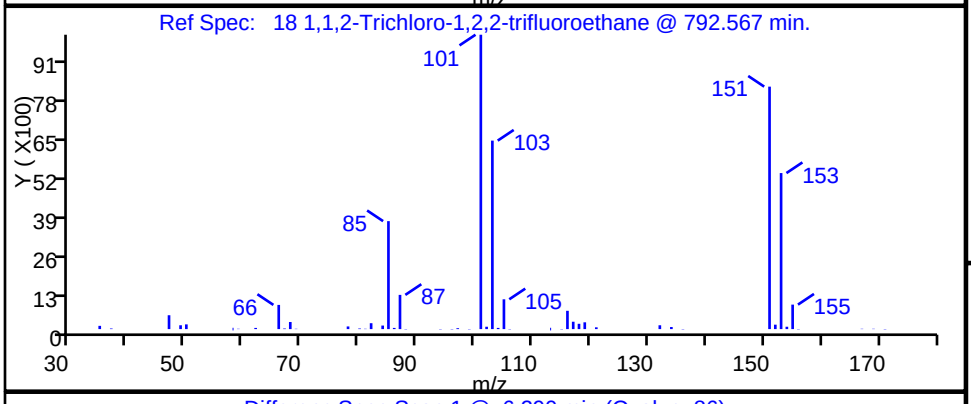
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

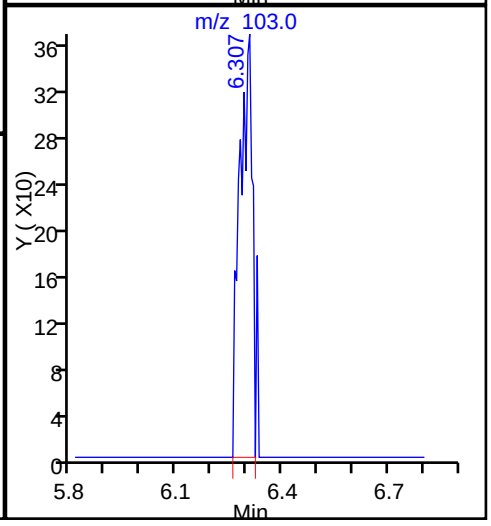


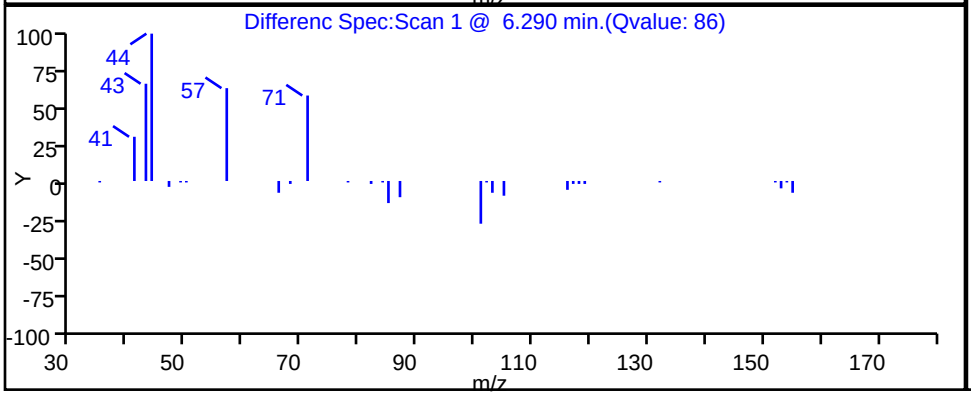








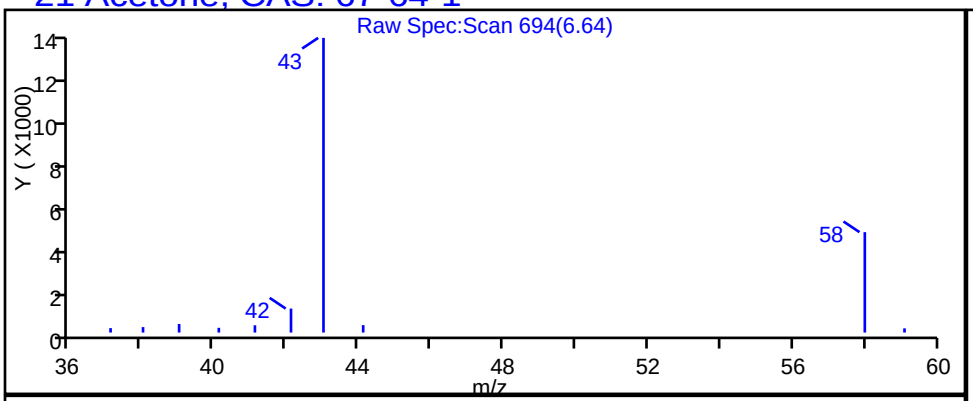


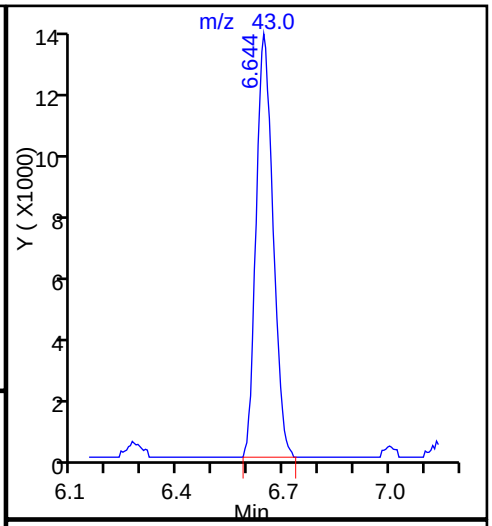


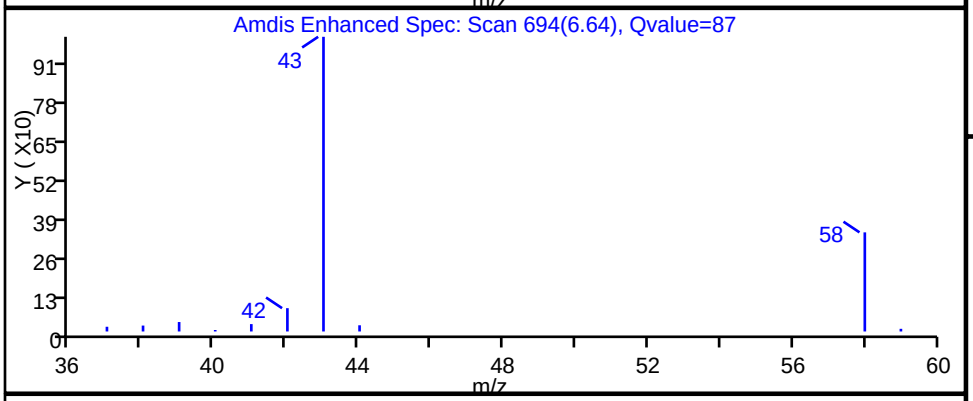
TestAmerica Burlington

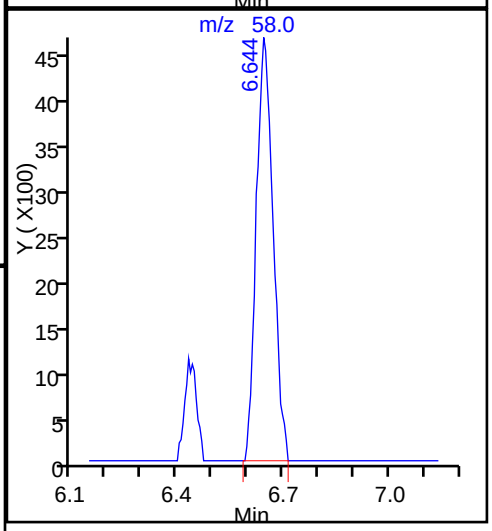
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D
Injection Date: 05-Sep-2015 01:41:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-16 Lab Sample ID: 200-29580-16
Client ID: 785IA15
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

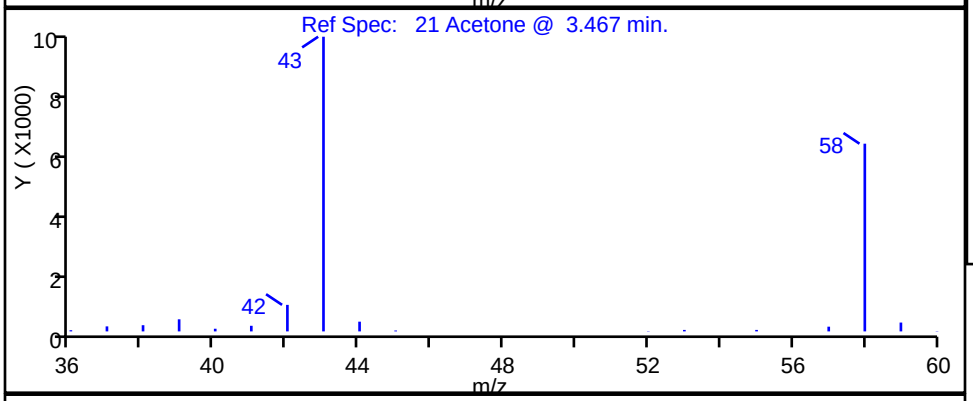
21 Acetone, CAS: 67-64-1

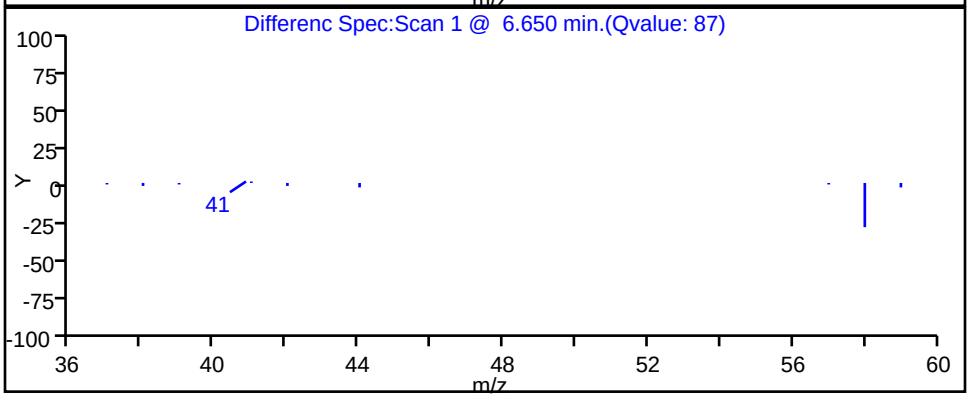








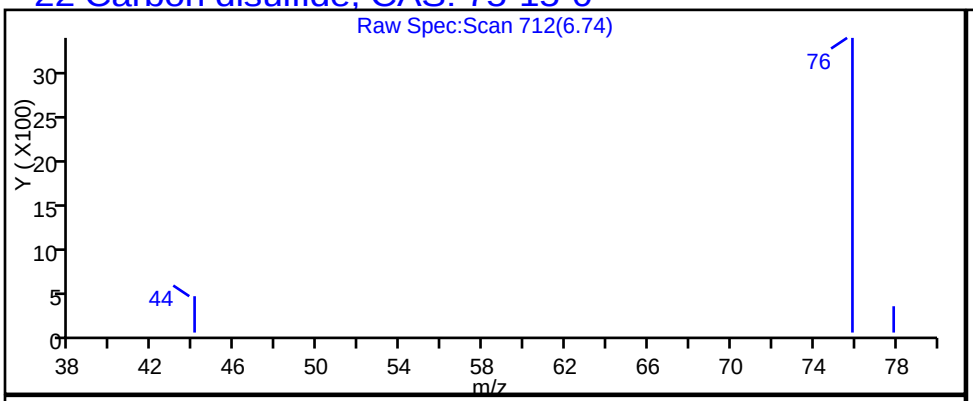


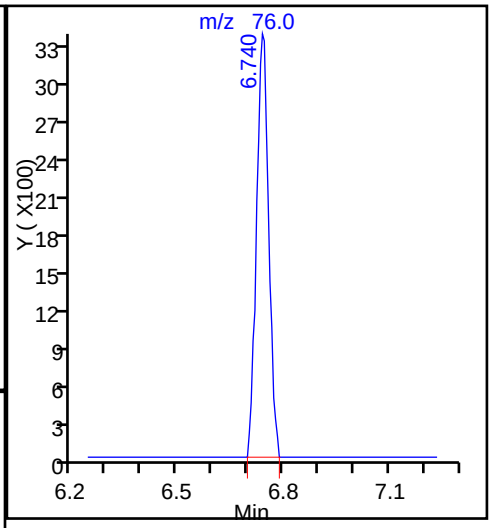


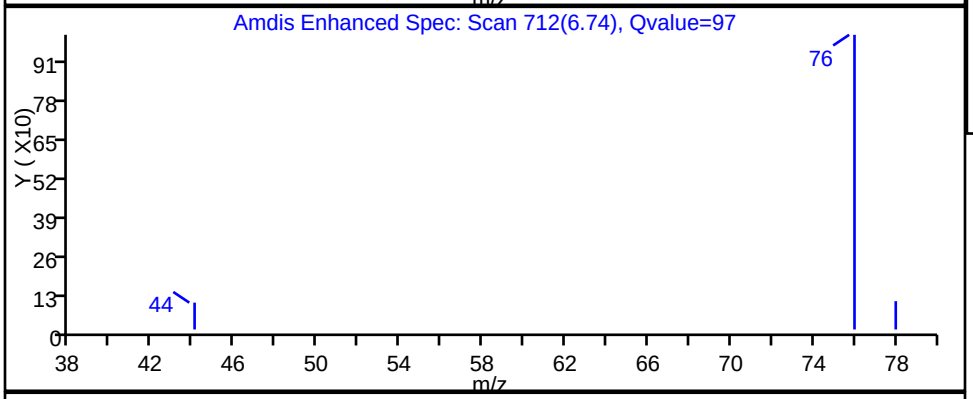
TestAmerica Burlington

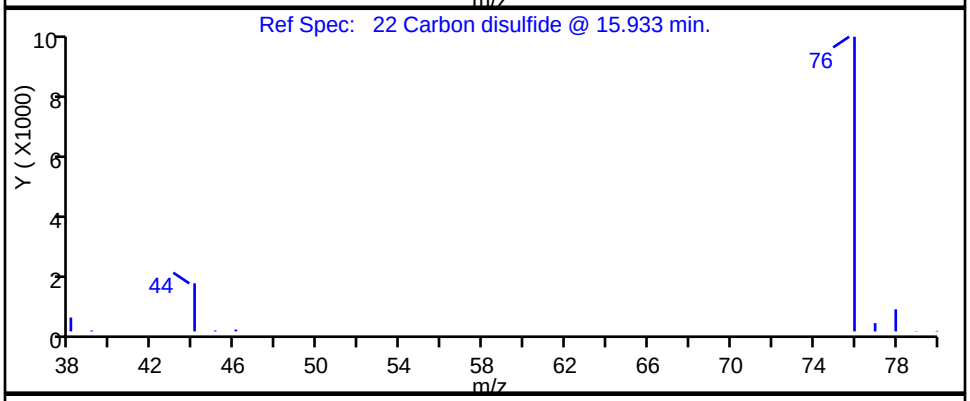
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

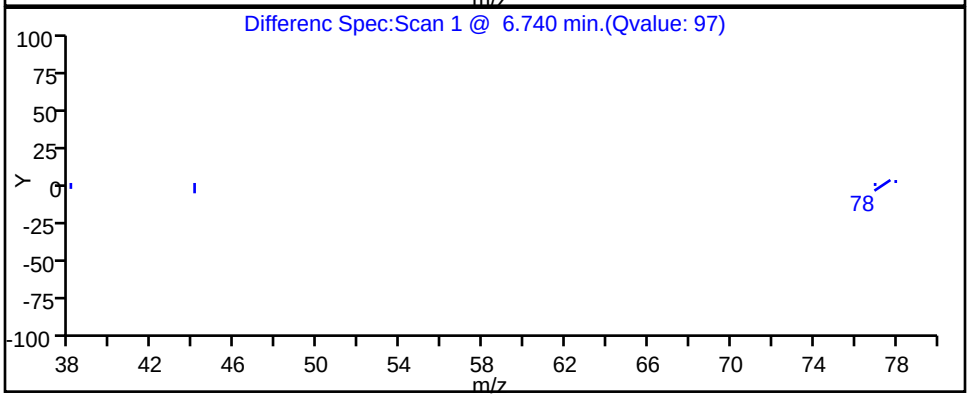
22 Carbon disulfide, CAS: 75-15-0









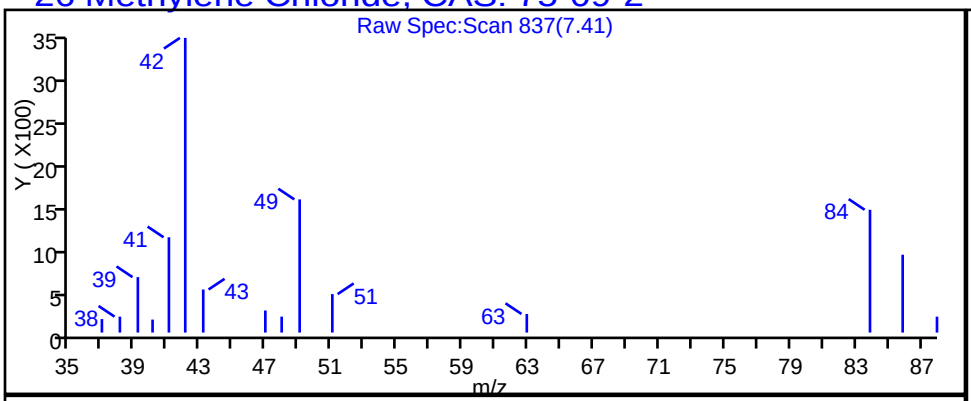


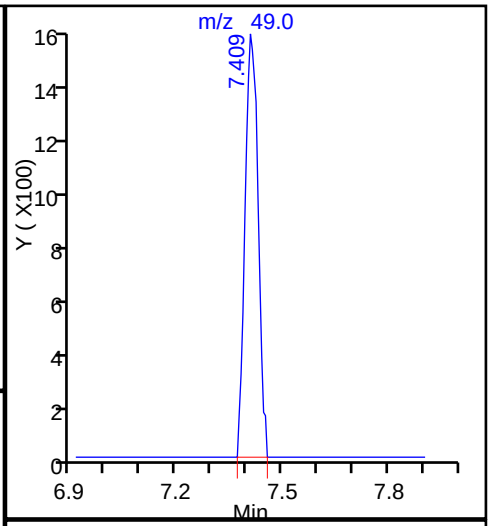
TestAmerica Burlington

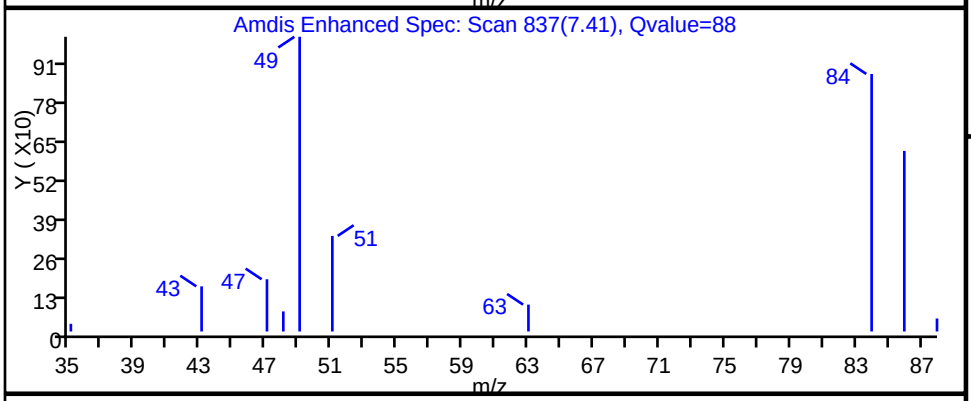
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D

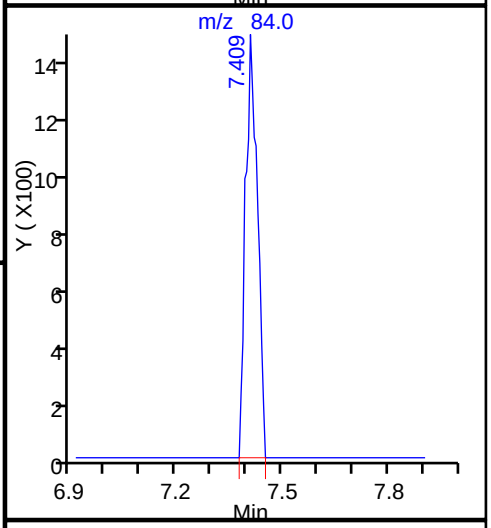
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

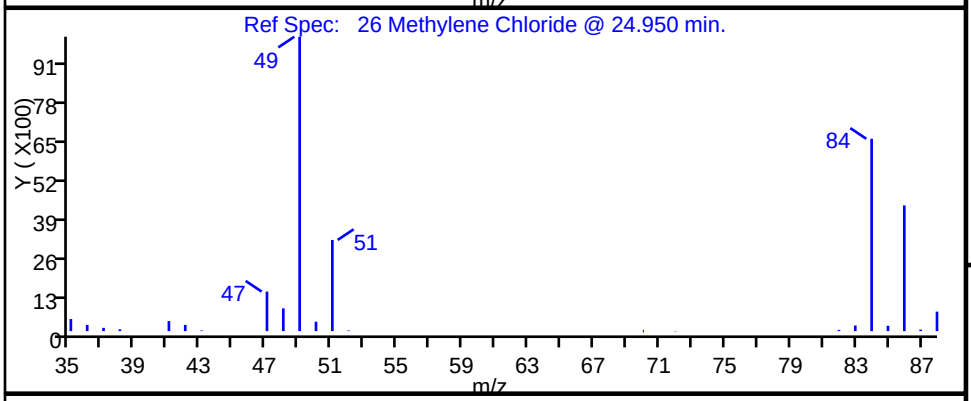
26 Methylene Chloride, CAS: 75-09-2

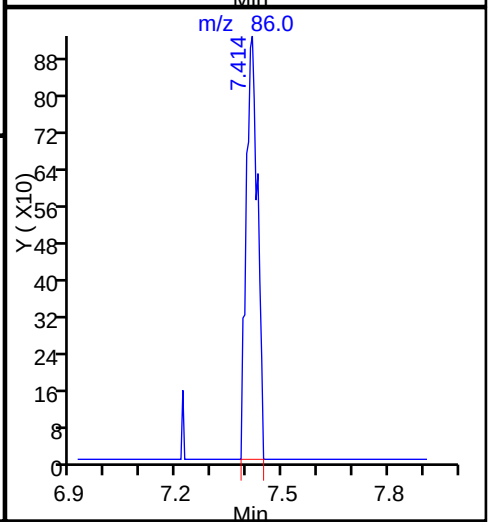


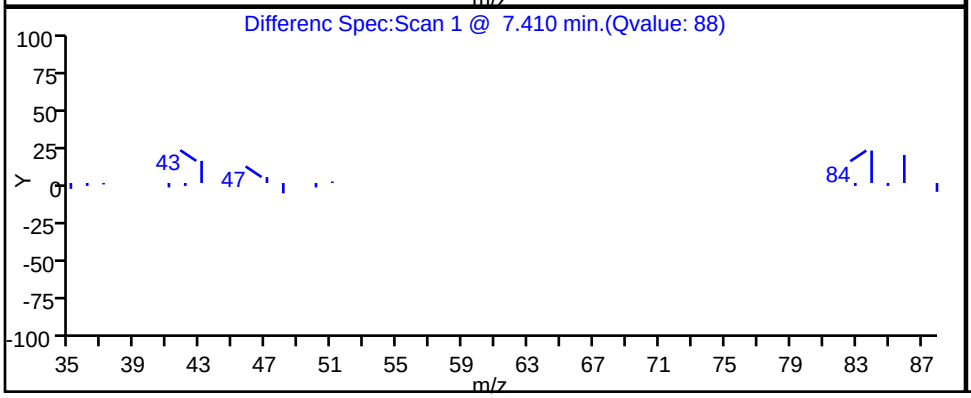








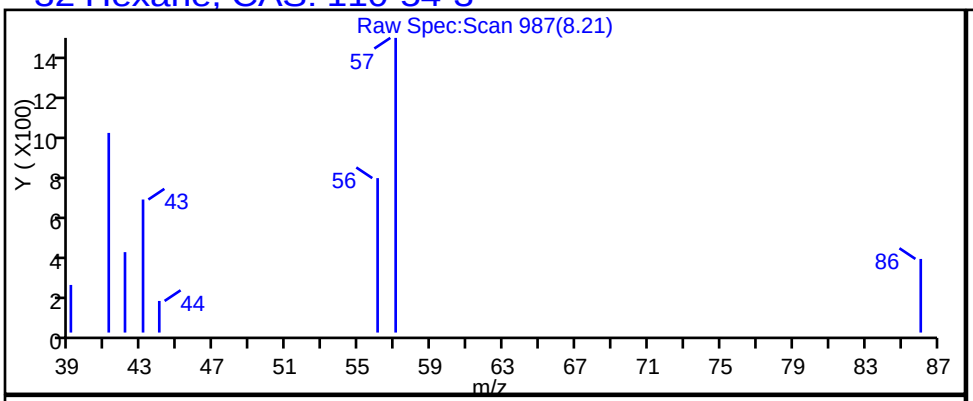


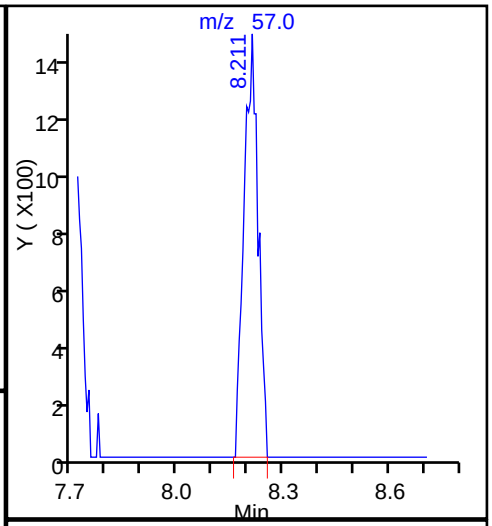


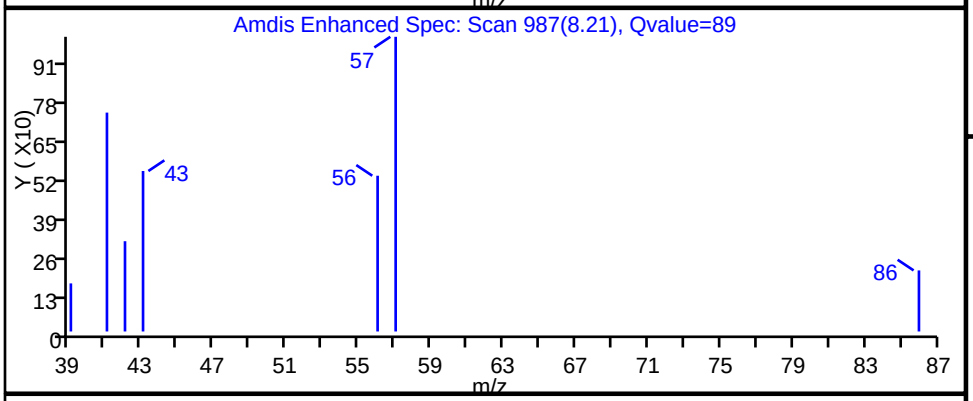
TestAmerica Burlington

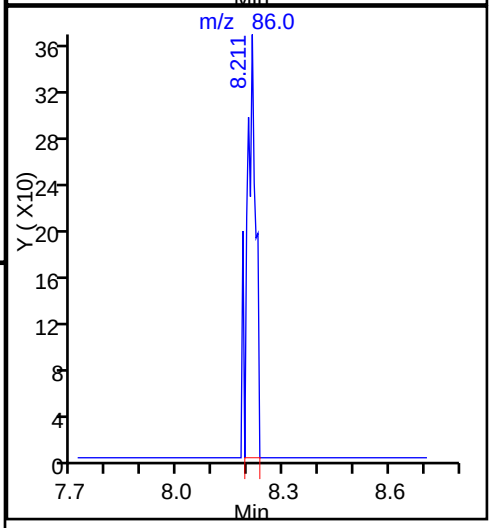
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

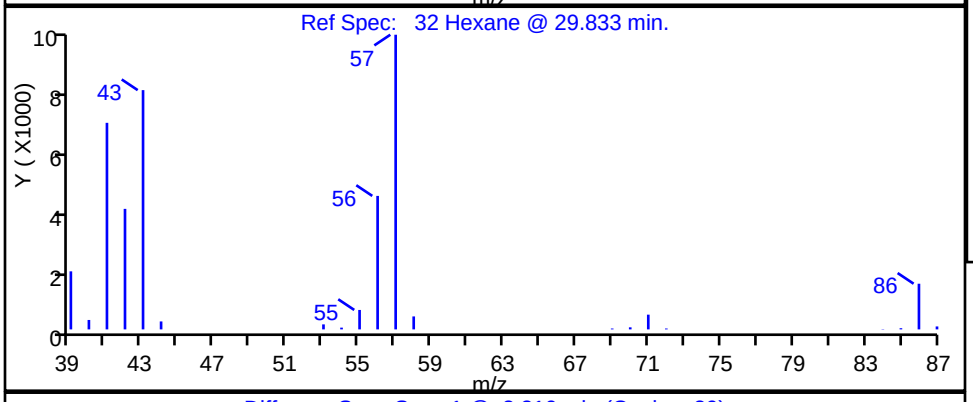
32 Hexane, CAS: 110-54-3

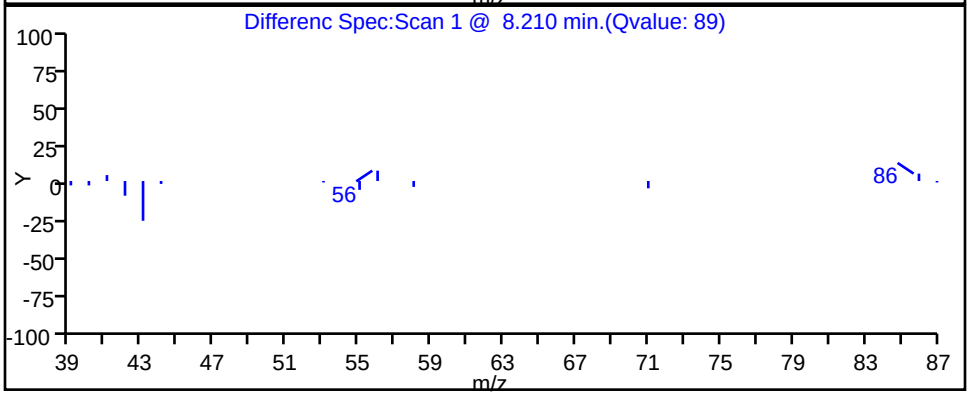








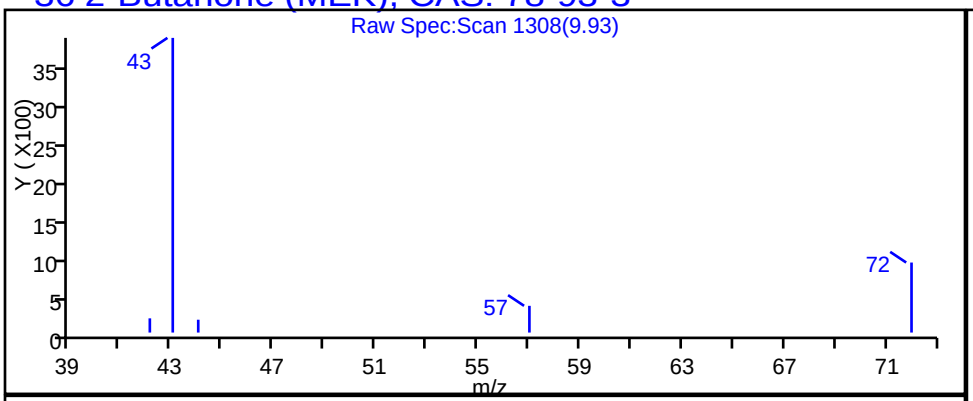


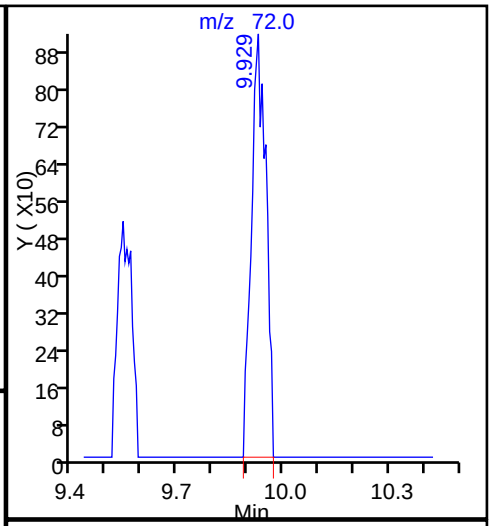


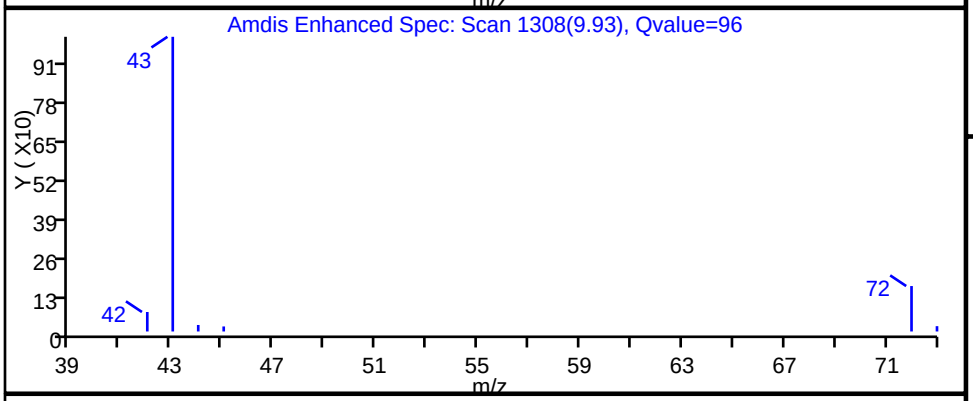
TestAmerica Burlington

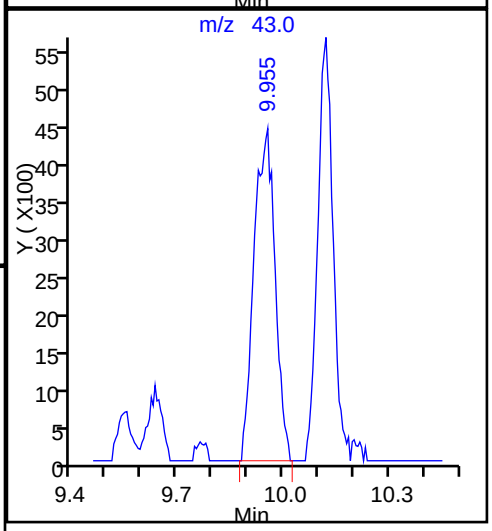
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

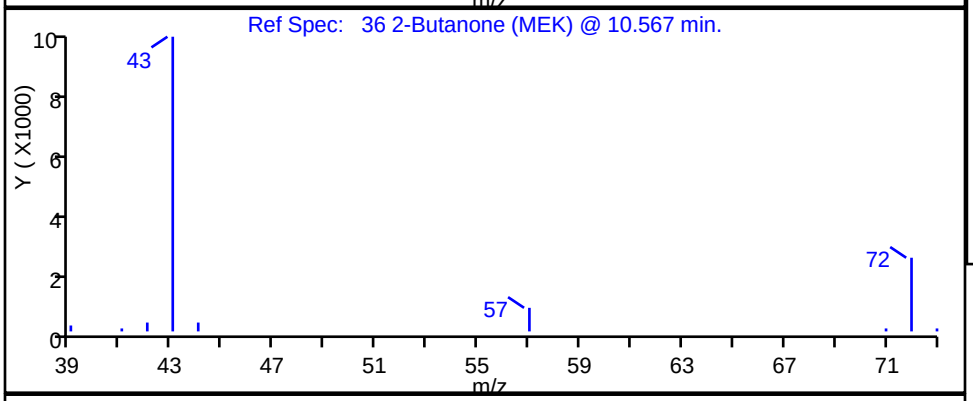
36 2-Butanone (MEK), CAS: 78-93-3

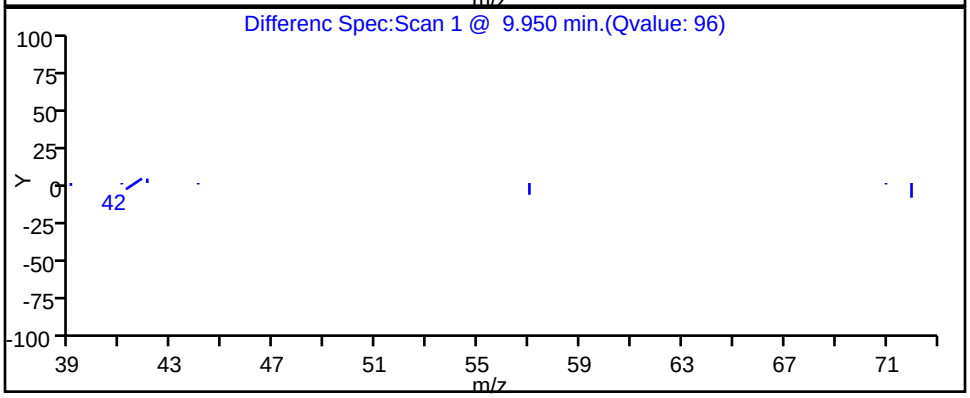










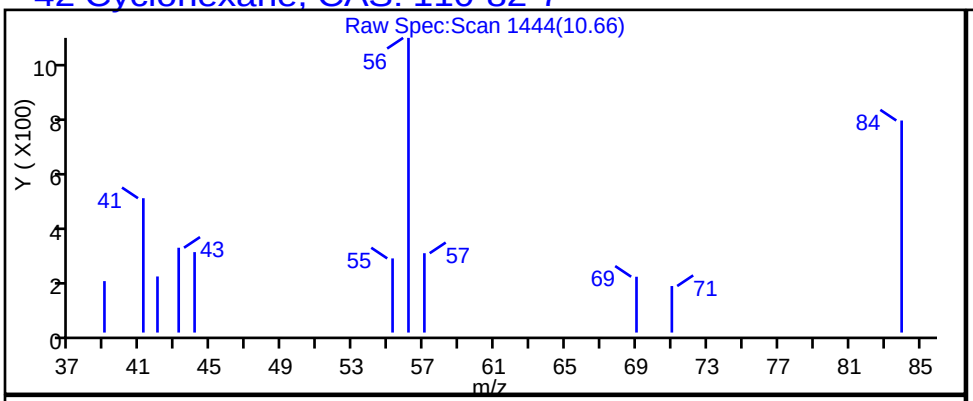


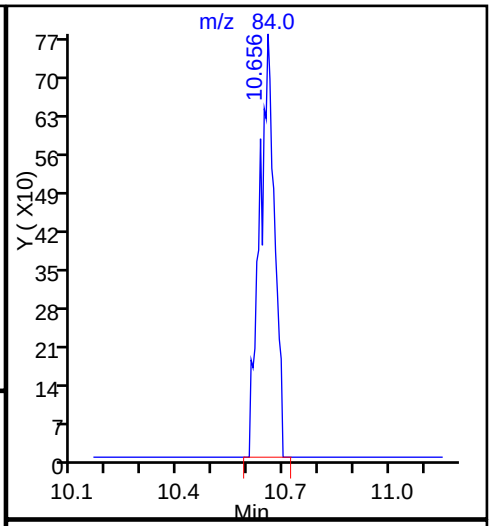
TestAmerica Burlington

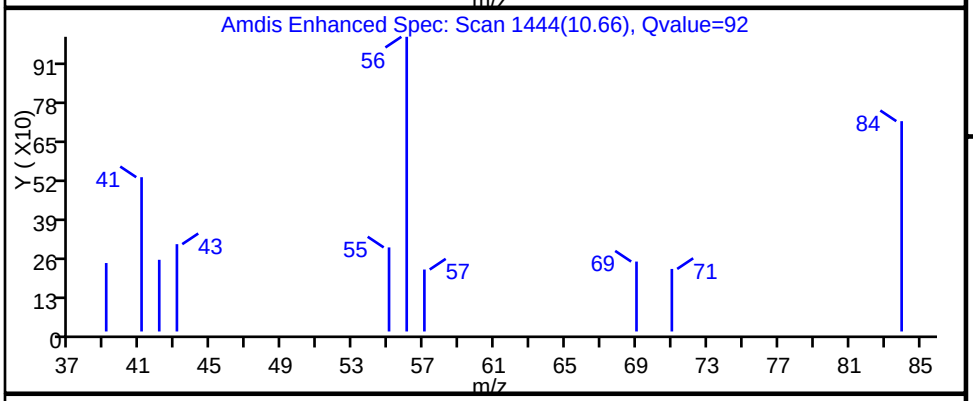
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D

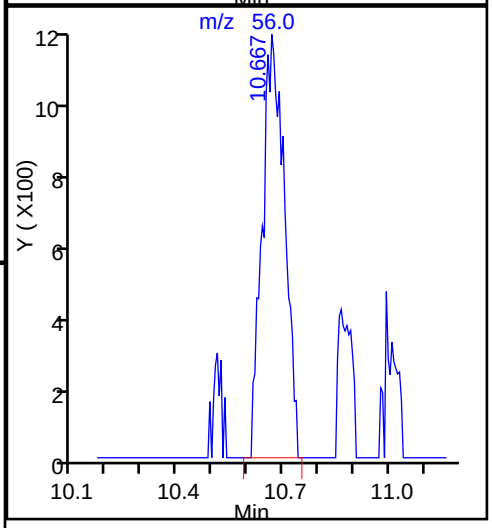
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

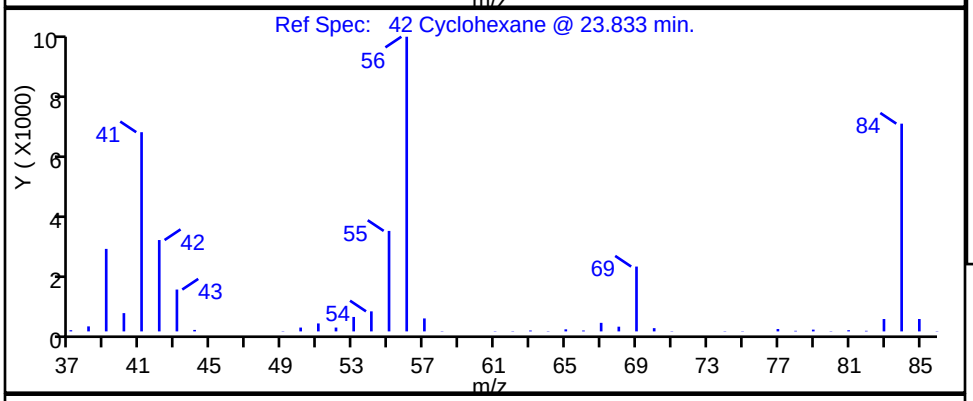
42 Cyclohexane, CAS: 110-82-7

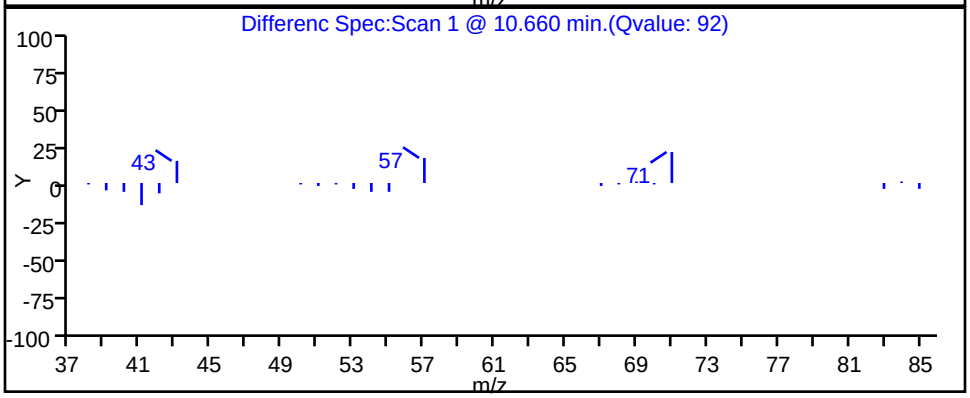








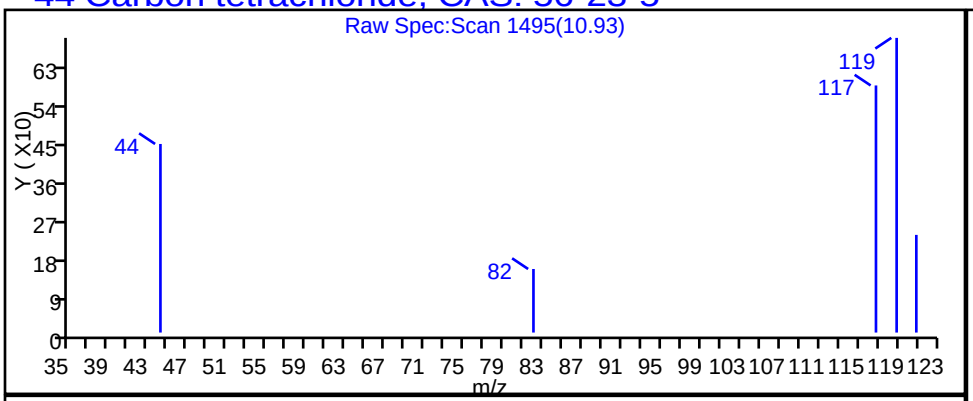


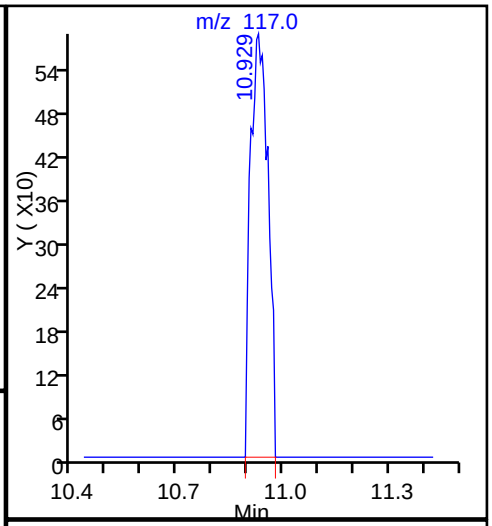


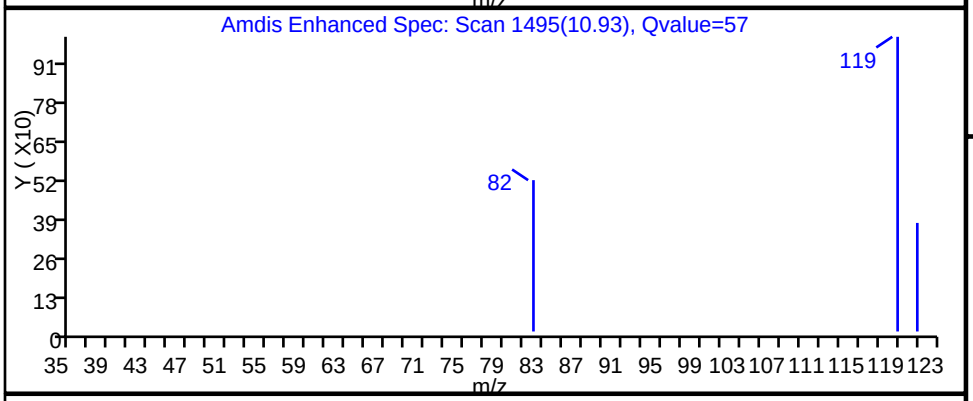
TestAmerica Burlington

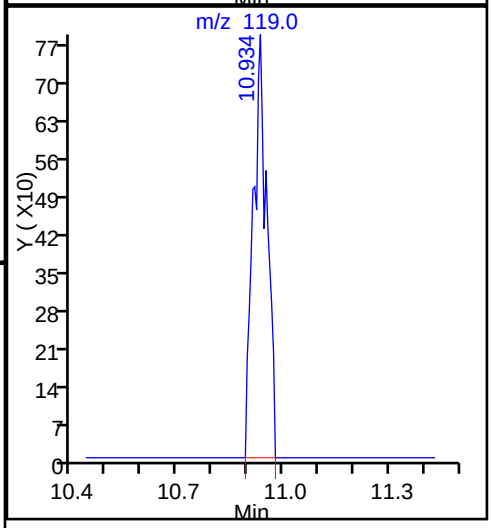
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

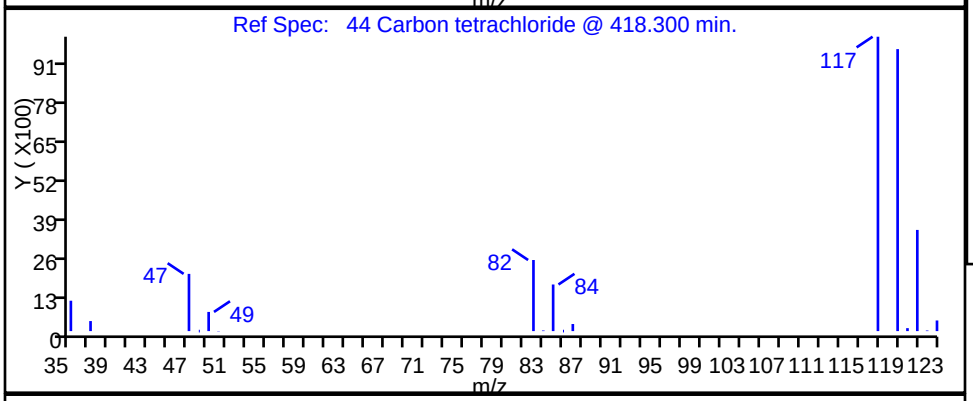
44 Carbon tetrachloride, CAS: 56-23-5

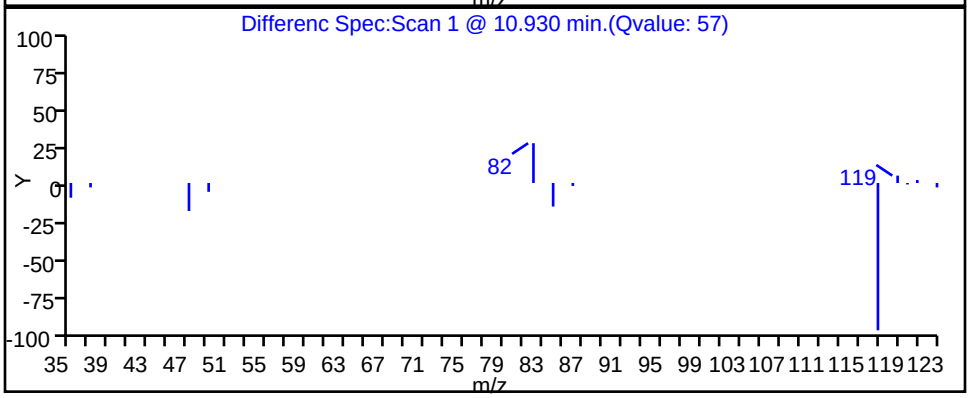








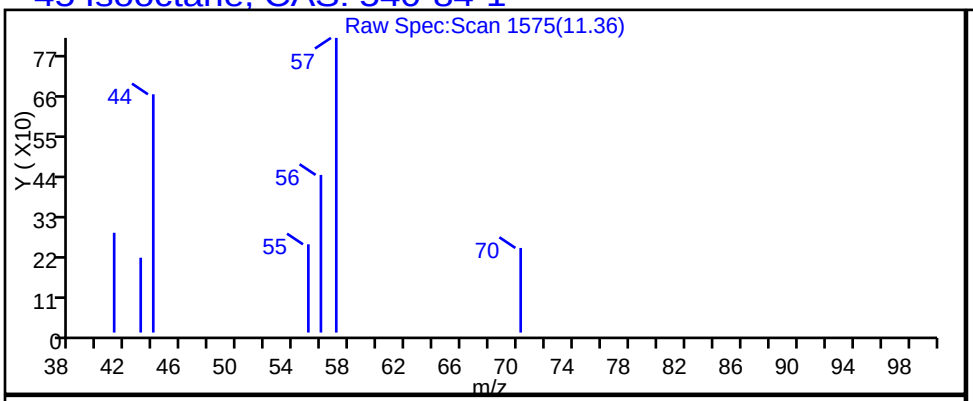


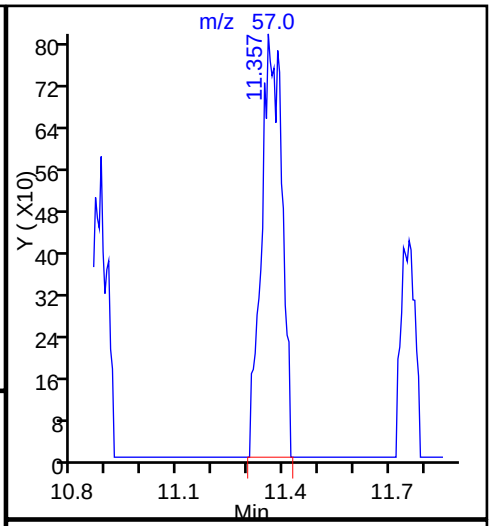


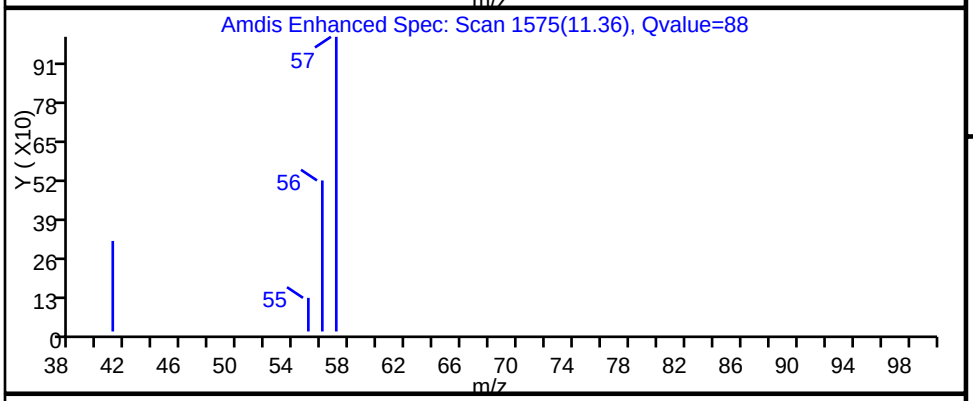
TestAmerica Burlington

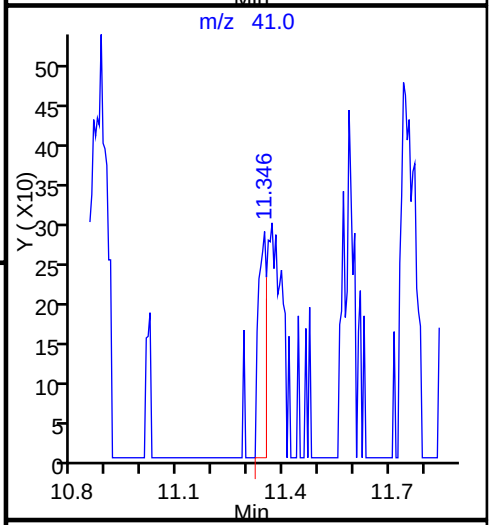
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

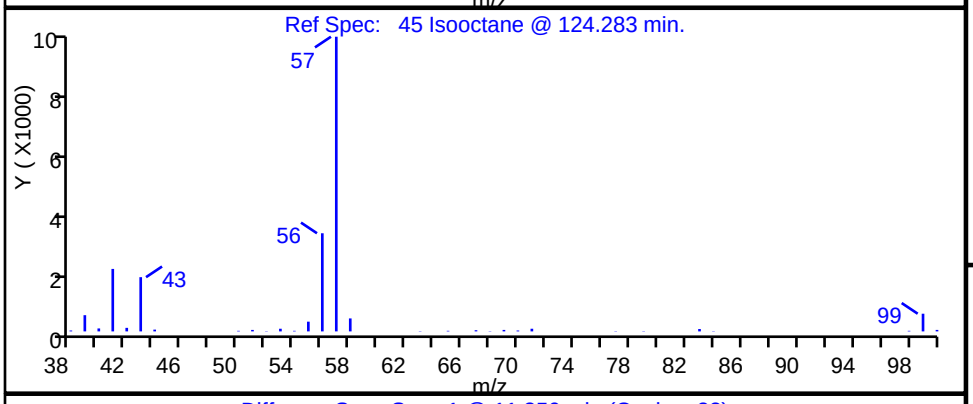
45 Isooctane, CAS: 540-84-1

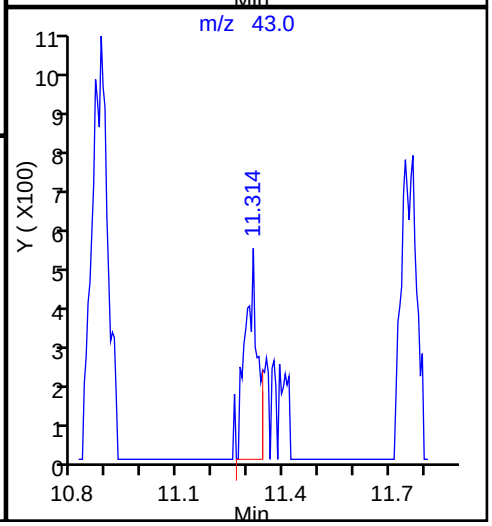


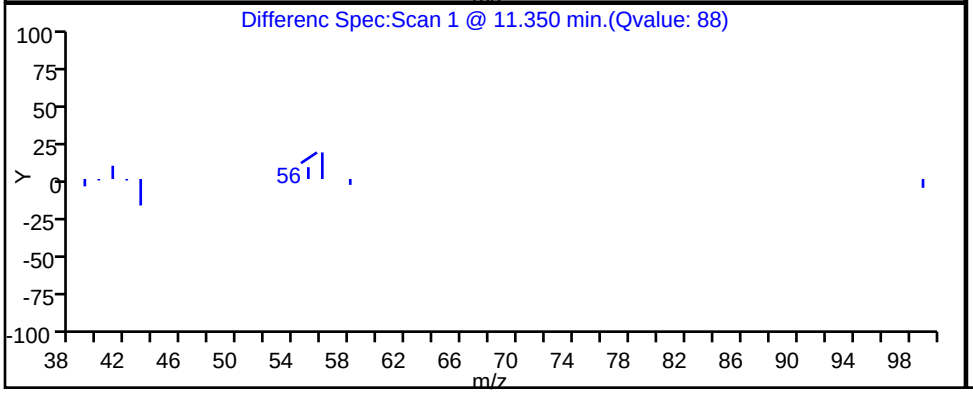








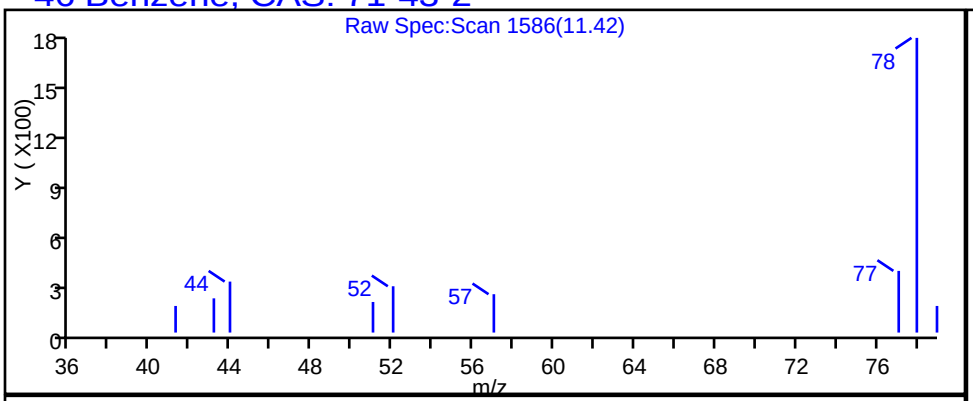


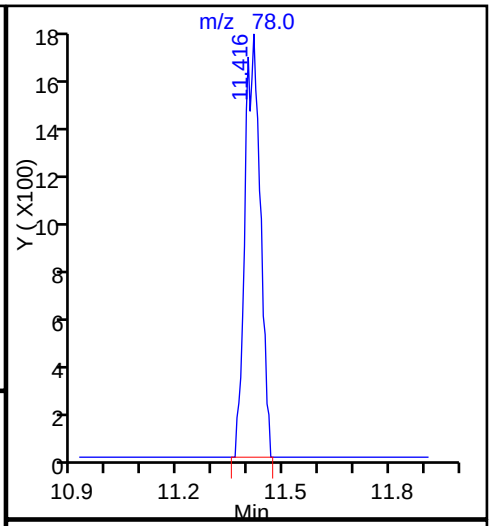


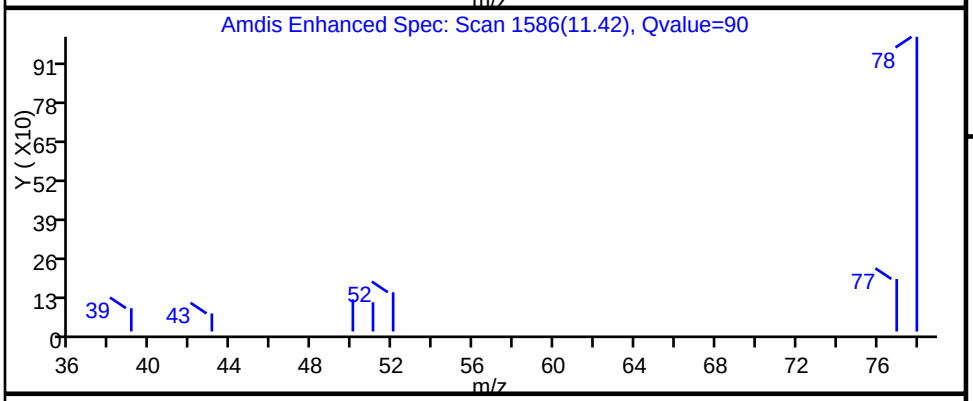
TestAmerica Burlington

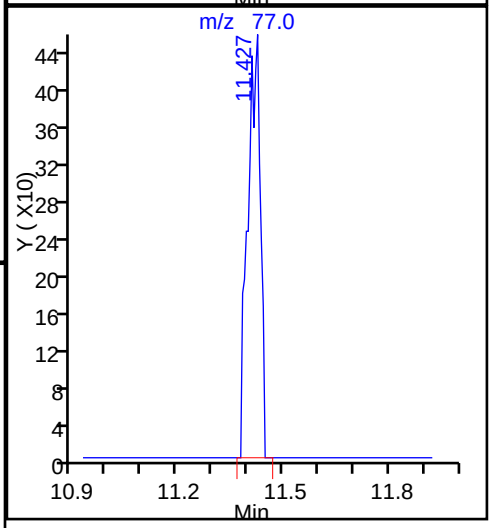
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

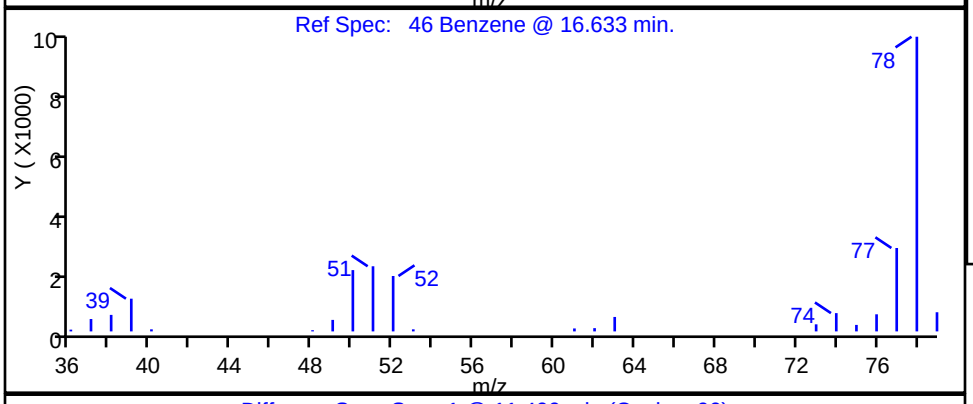
46 Benzene, CAS: 71-43-2

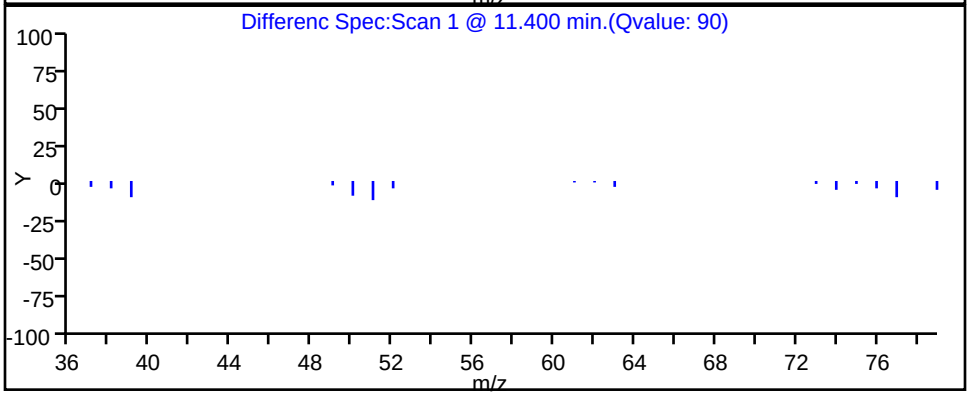








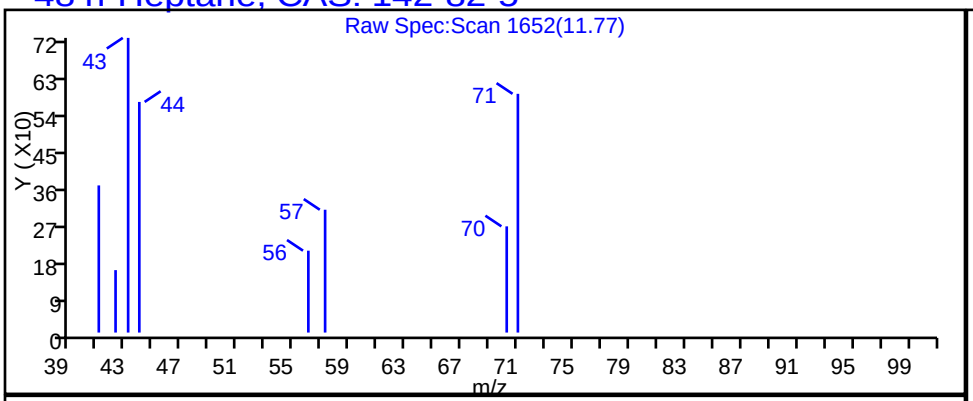


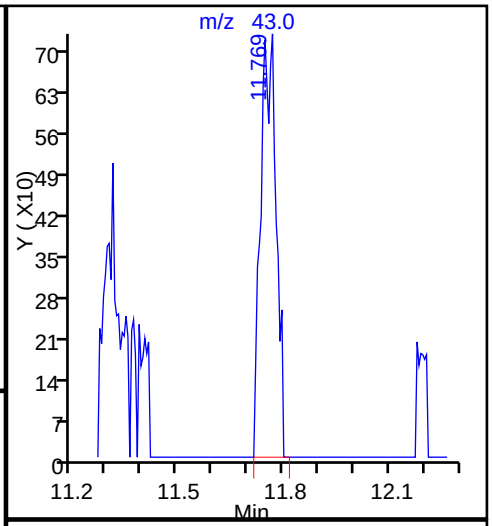


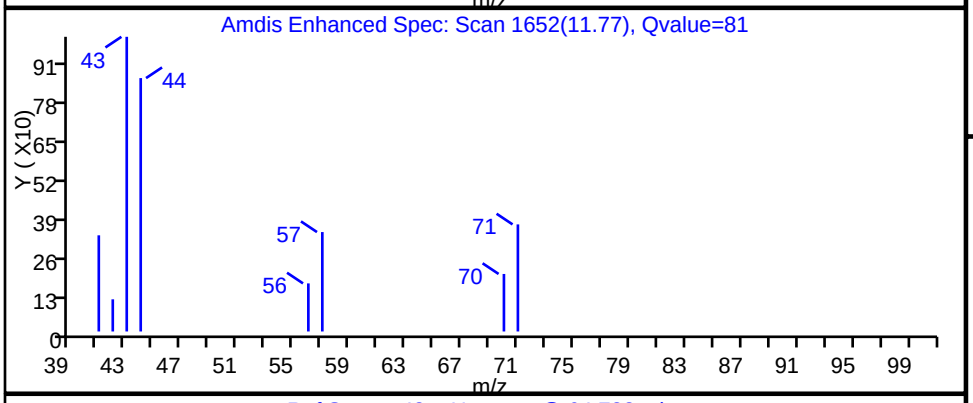
TestAmerica Burlington

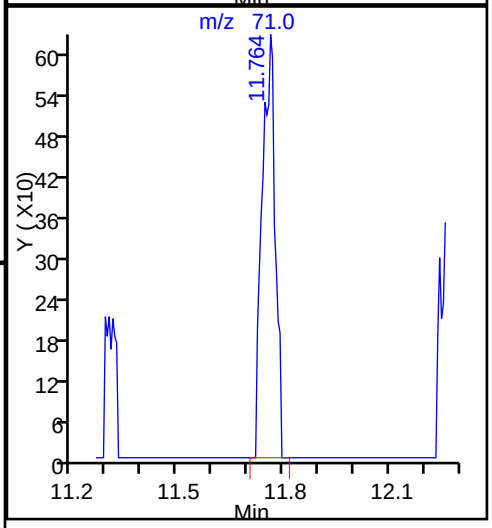
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

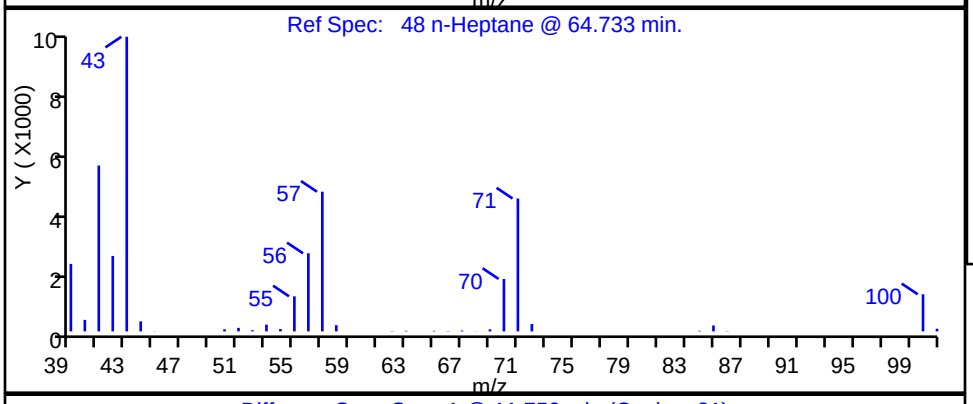
48 n-Heptane, CAS: 142-82-5

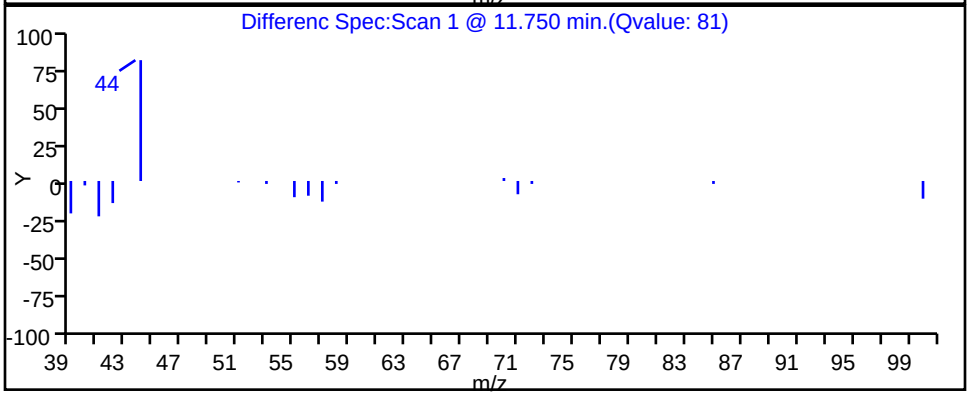








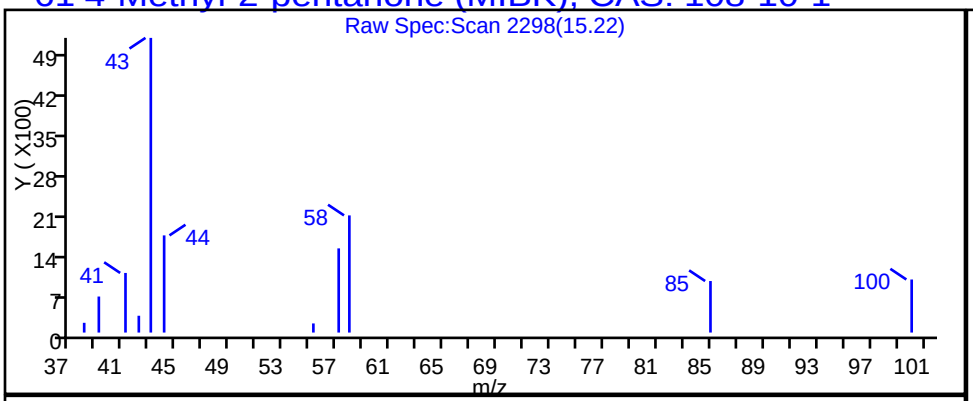


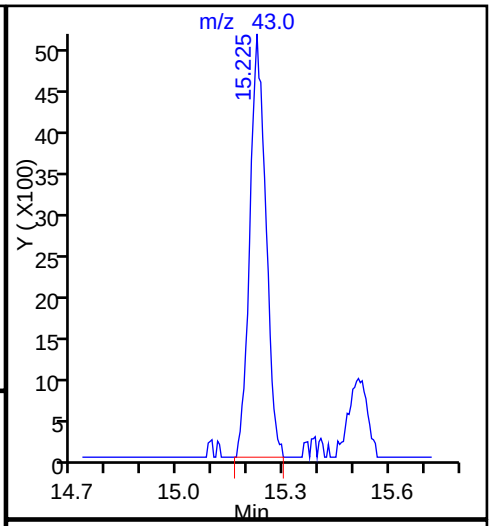


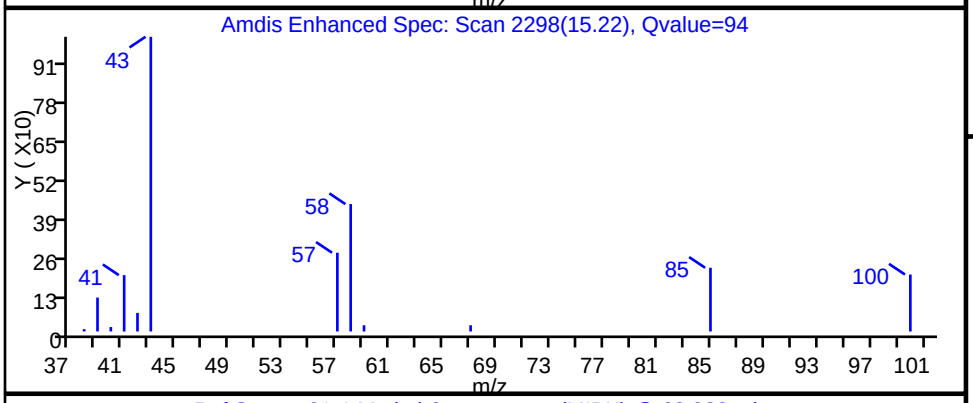
TestAmerica Burlington

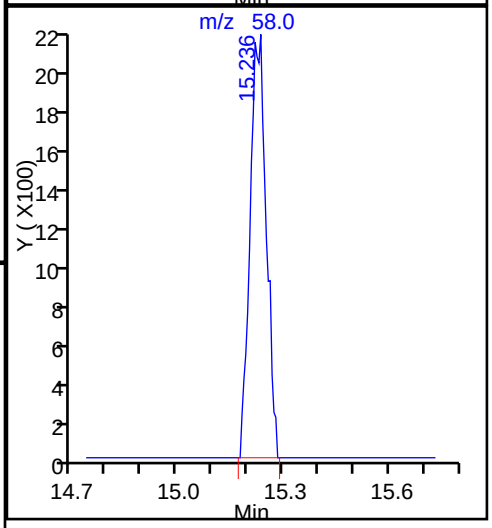
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

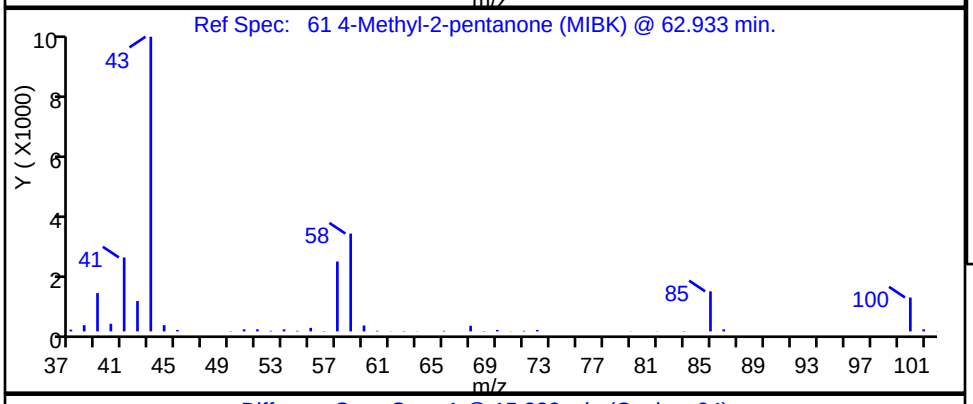
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

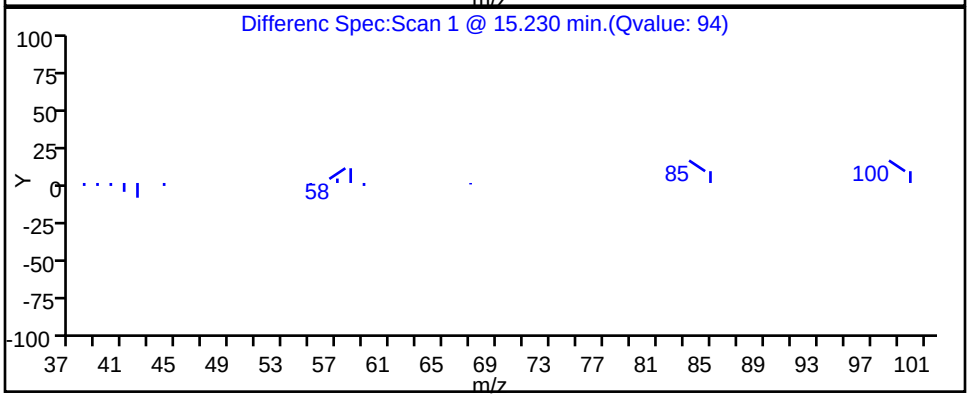








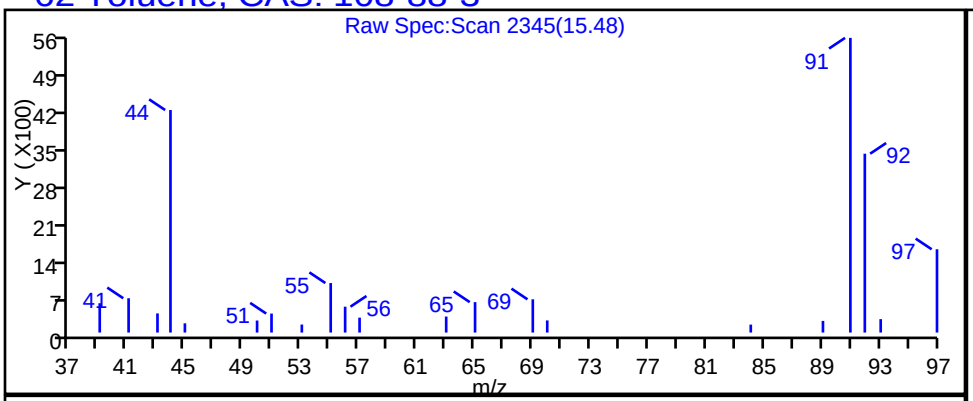


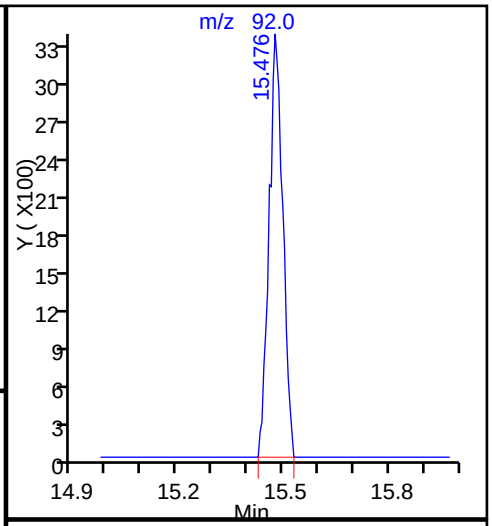


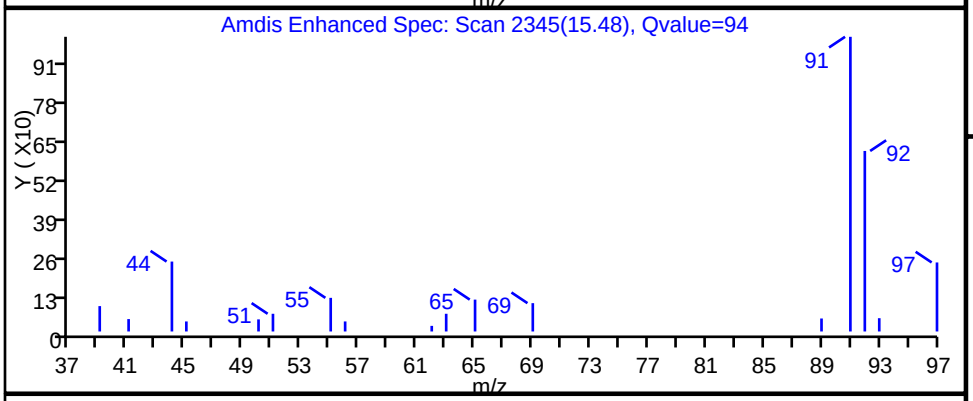
TestAmerica Burlington

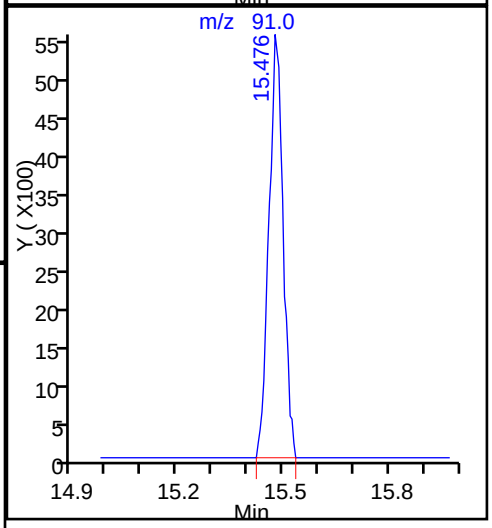
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

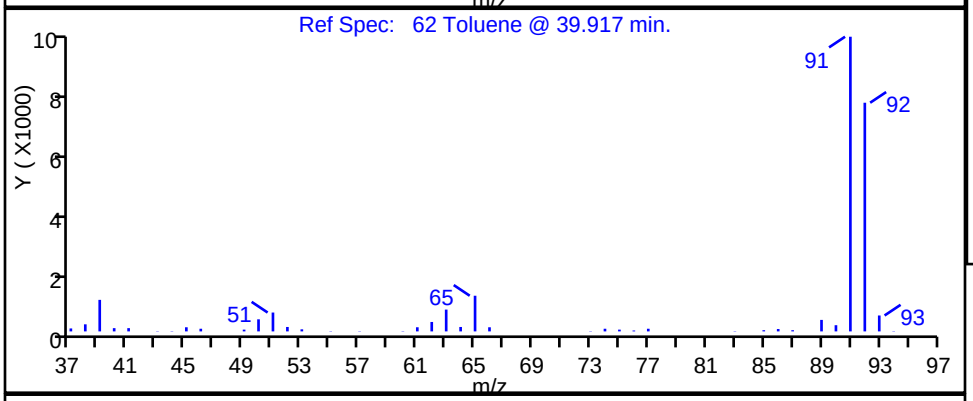
62 Toluene, CAS: 108-88-3

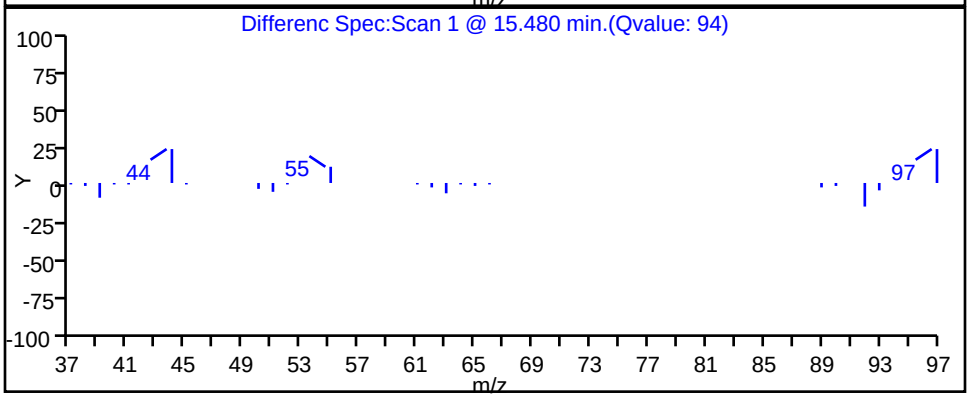








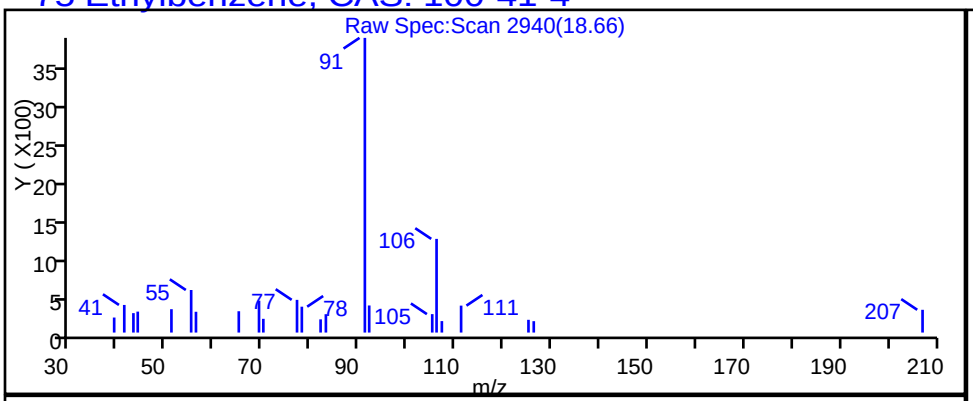


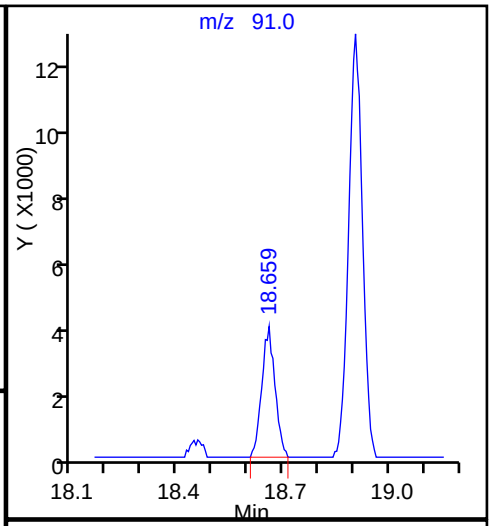


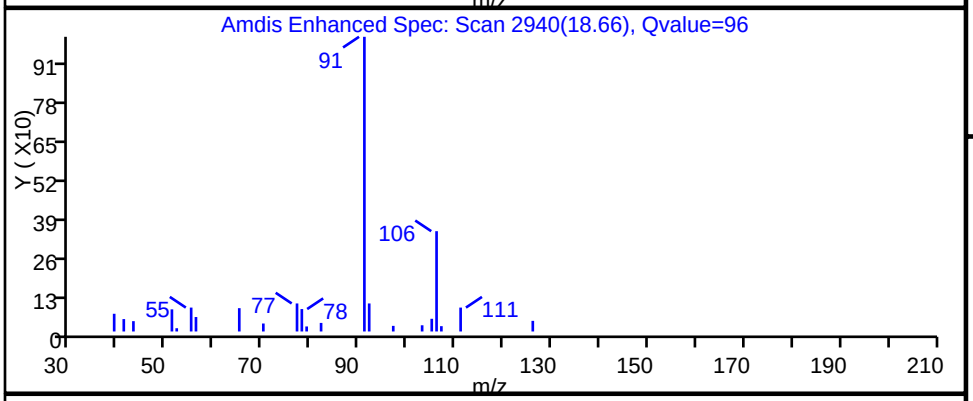
TestAmerica Burlington

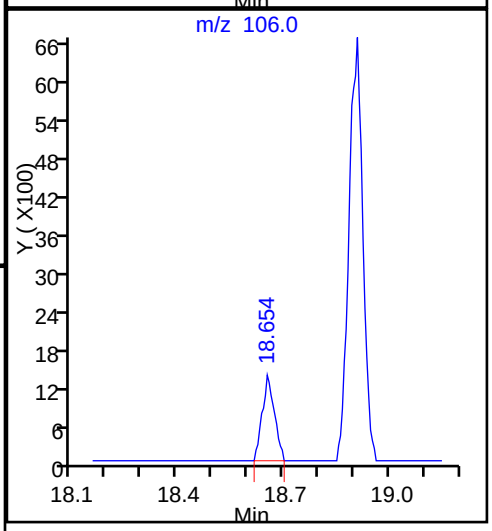
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D
Injection Date: 05-Sep-2015 01:41:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-16 Lab Sample ID: 200-29580-16
Client ID: 785IA15
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

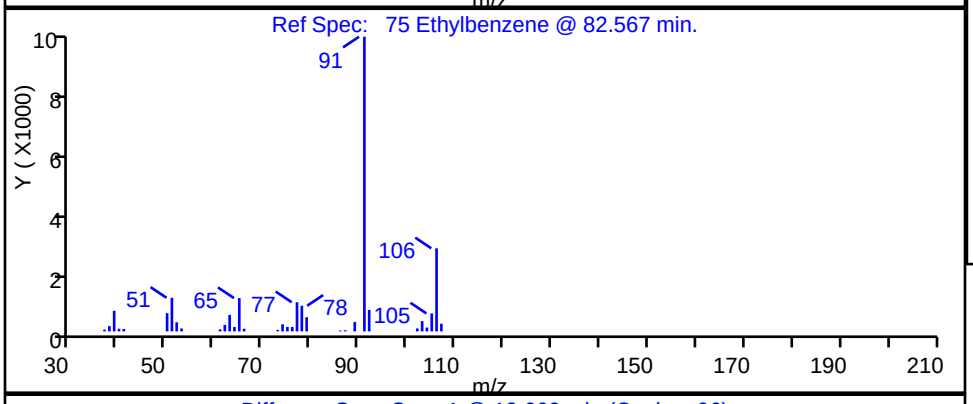
75 Ethylbenzene, CAS: 100-41-4

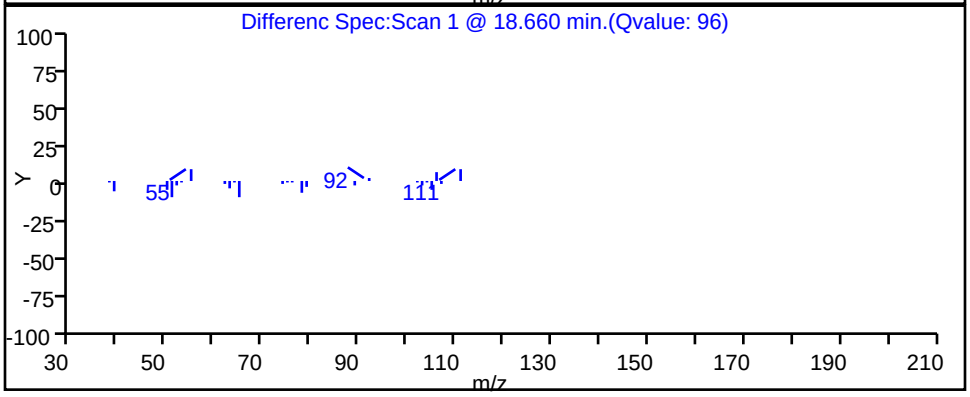








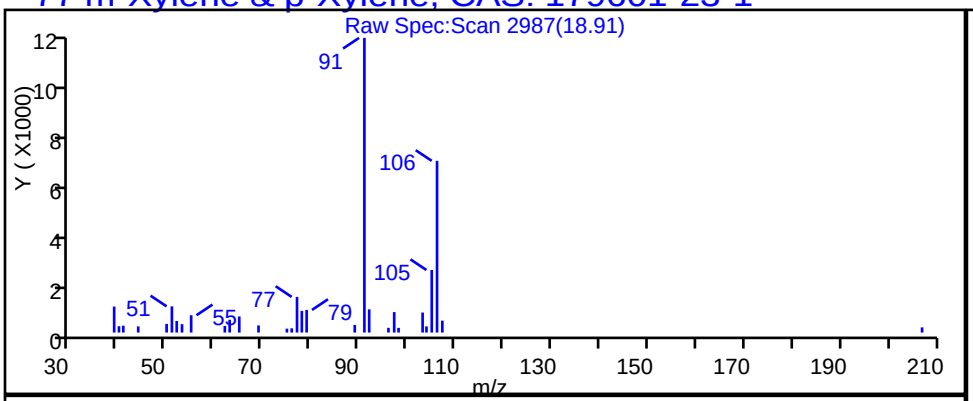


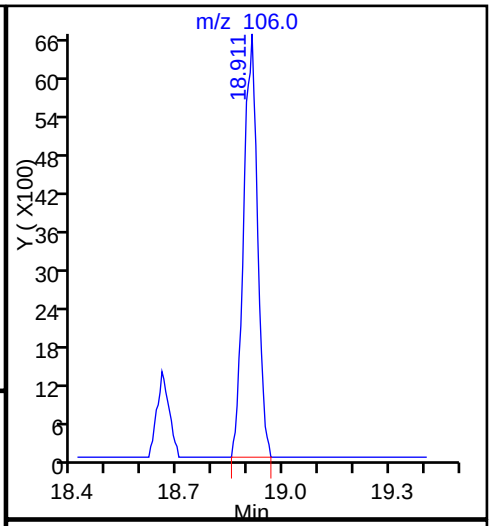


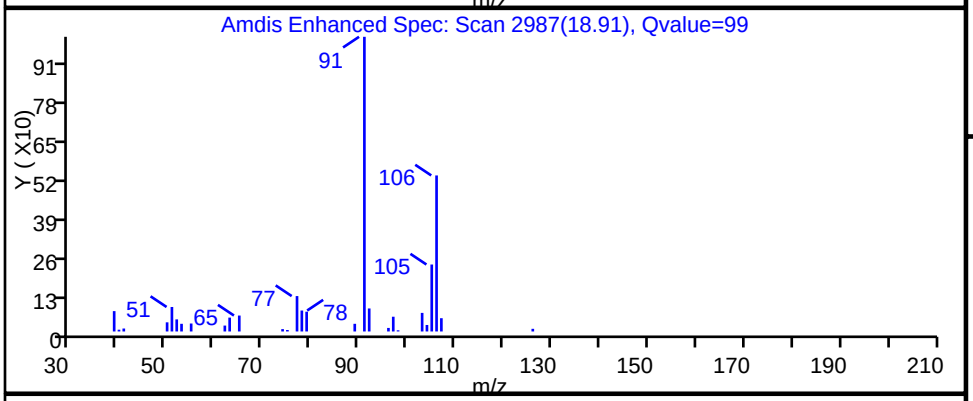
TestAmerica Burlington

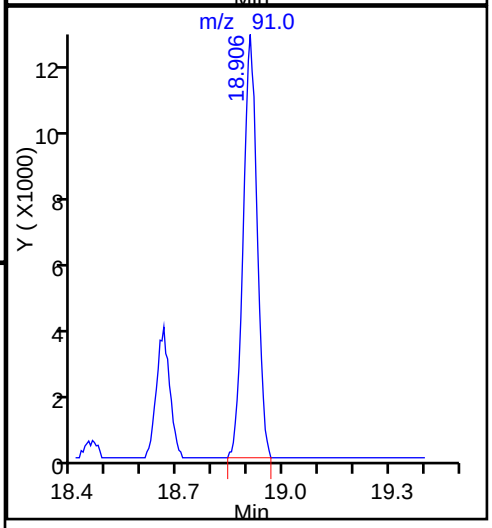
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

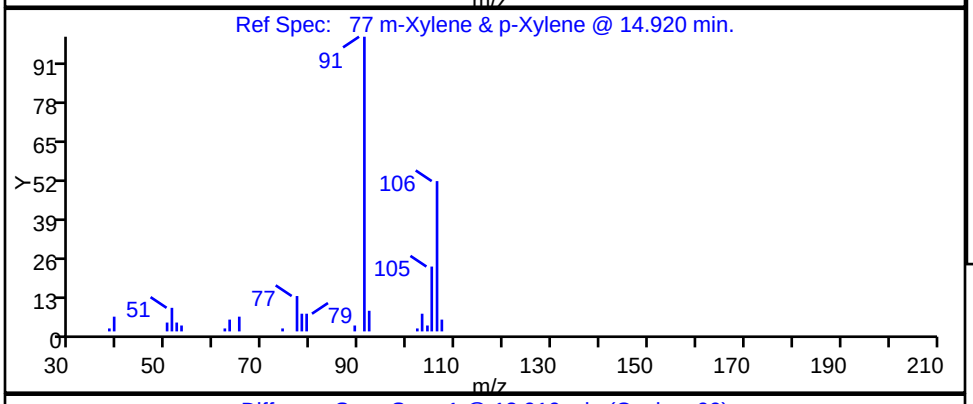
77 m-Xylene & p-Xylene, CAS: 179601-23-1

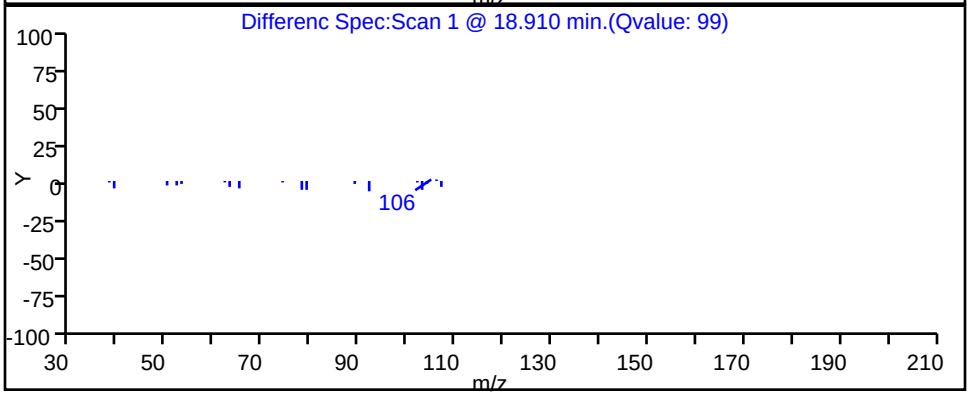








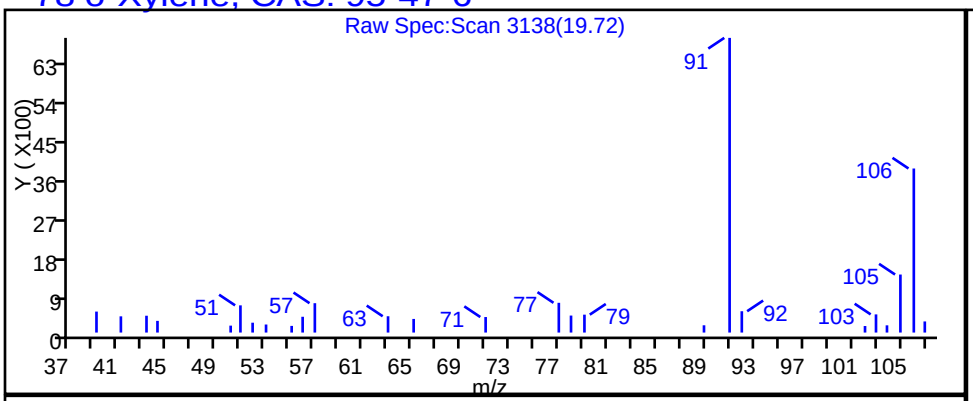


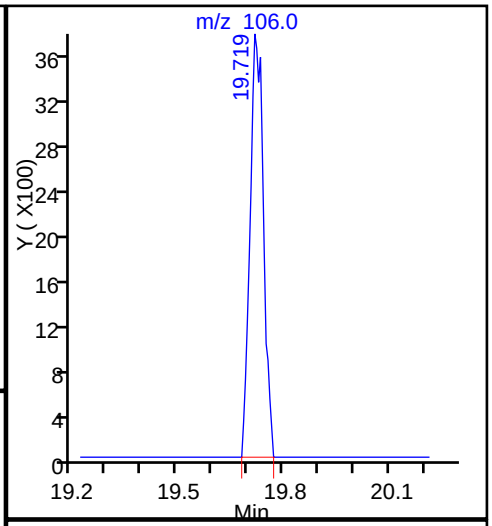


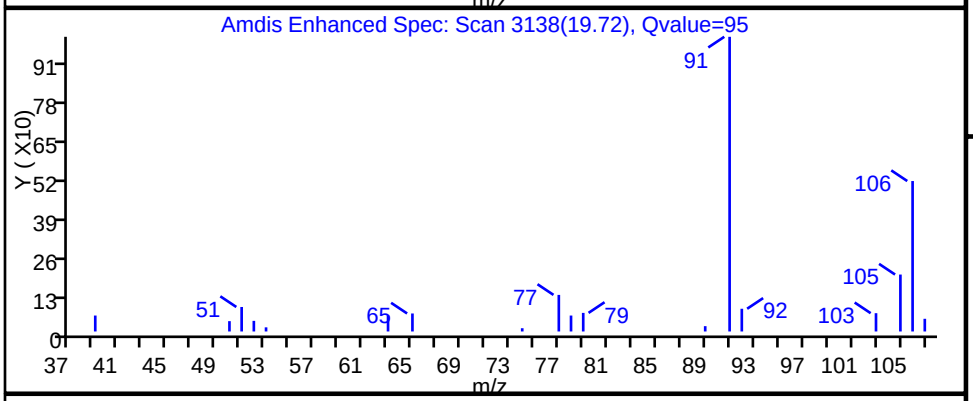
TestAmerica Burlington

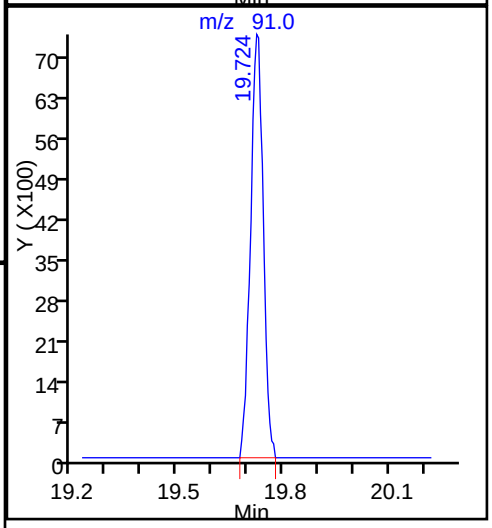
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

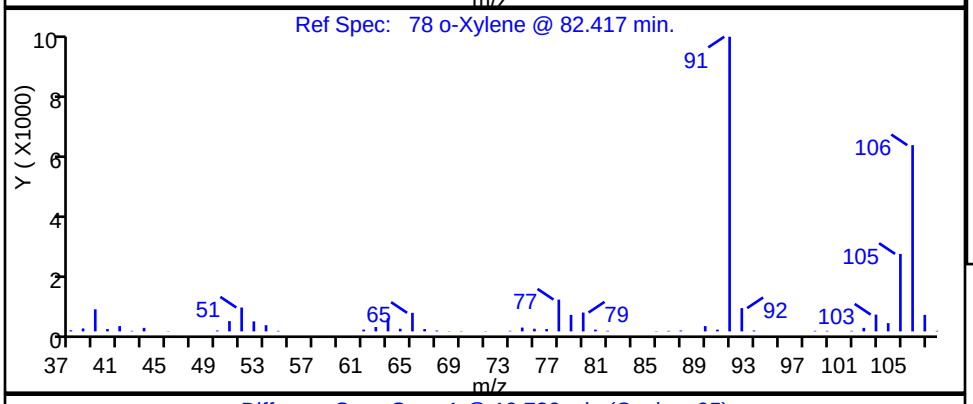
78 o-Xylene, CAS: 95-47-6

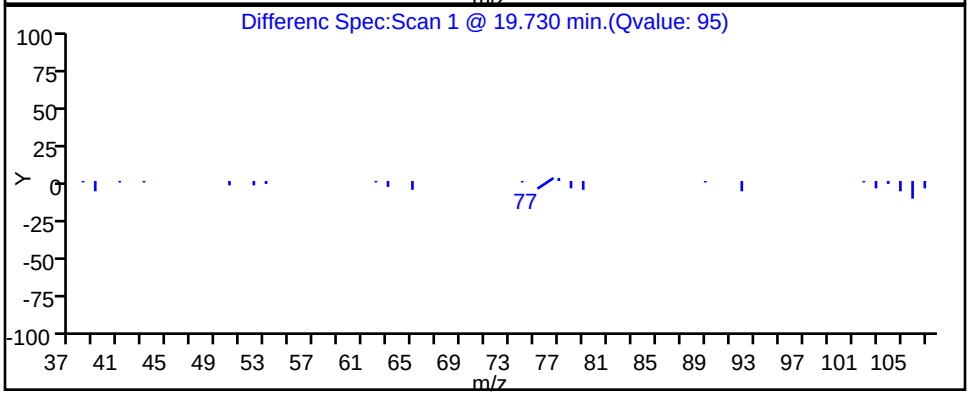








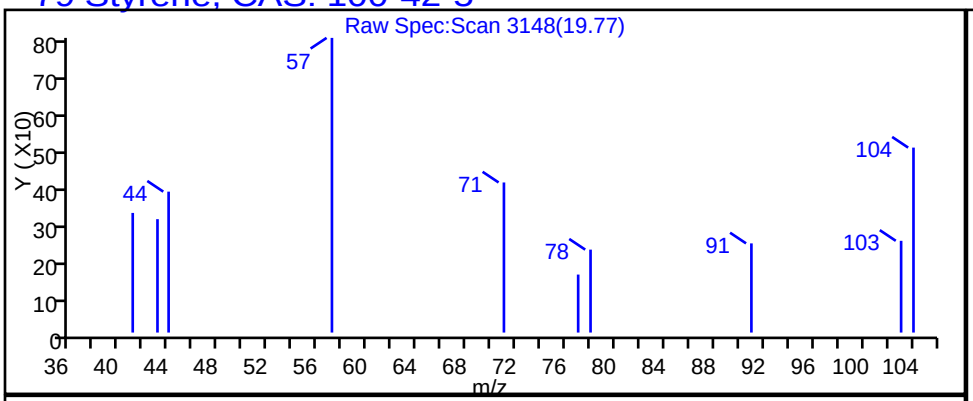


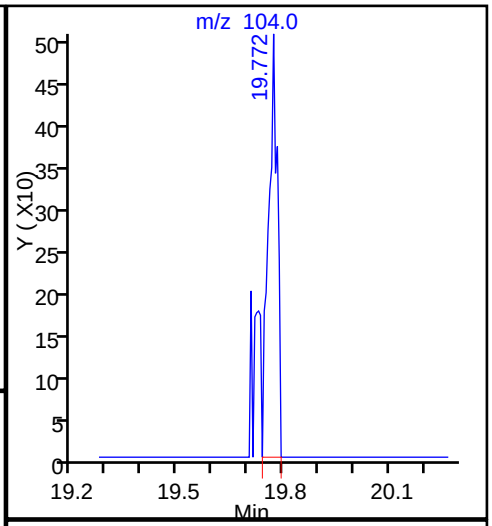


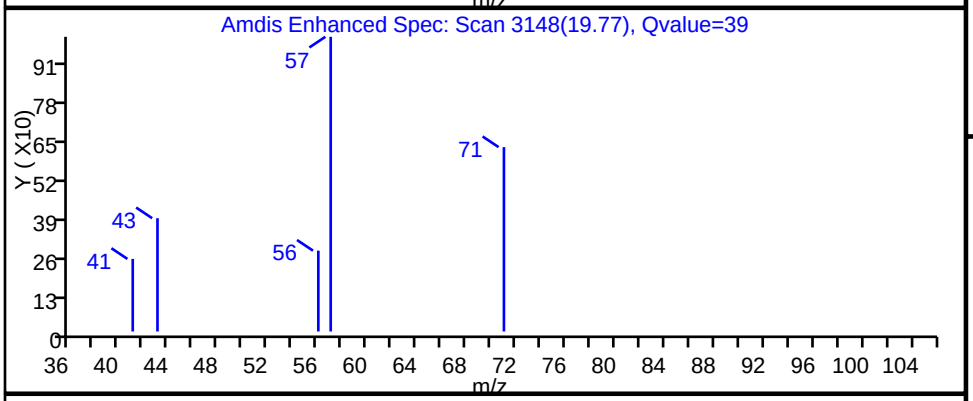
TestAmerica Burlington

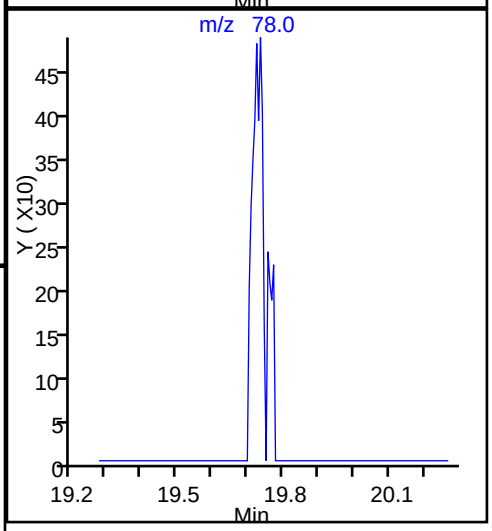
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D
Injection Date: 05-Sep-2015 01:41:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-16 Lab Sample ID: 200-29580-16
Client ID: 785IA15
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

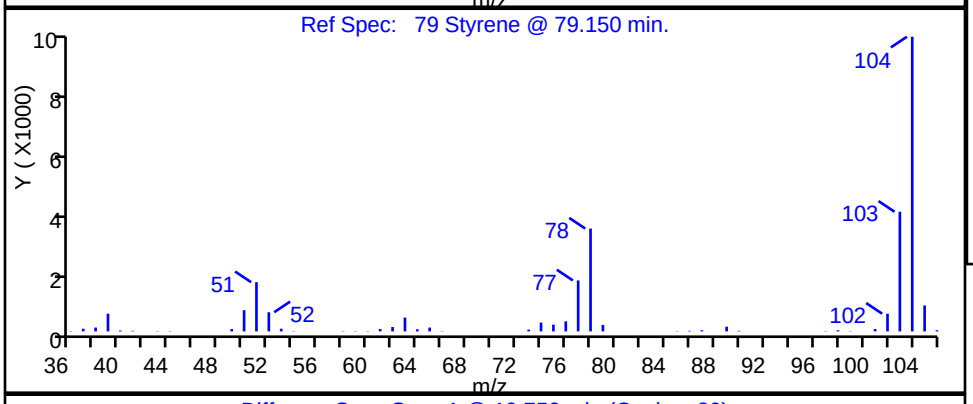
79 Styrene, CAS: 100-42-5

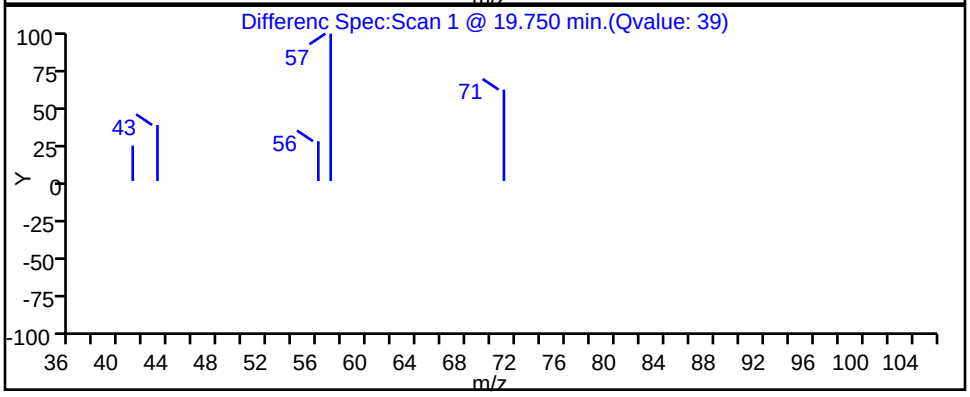








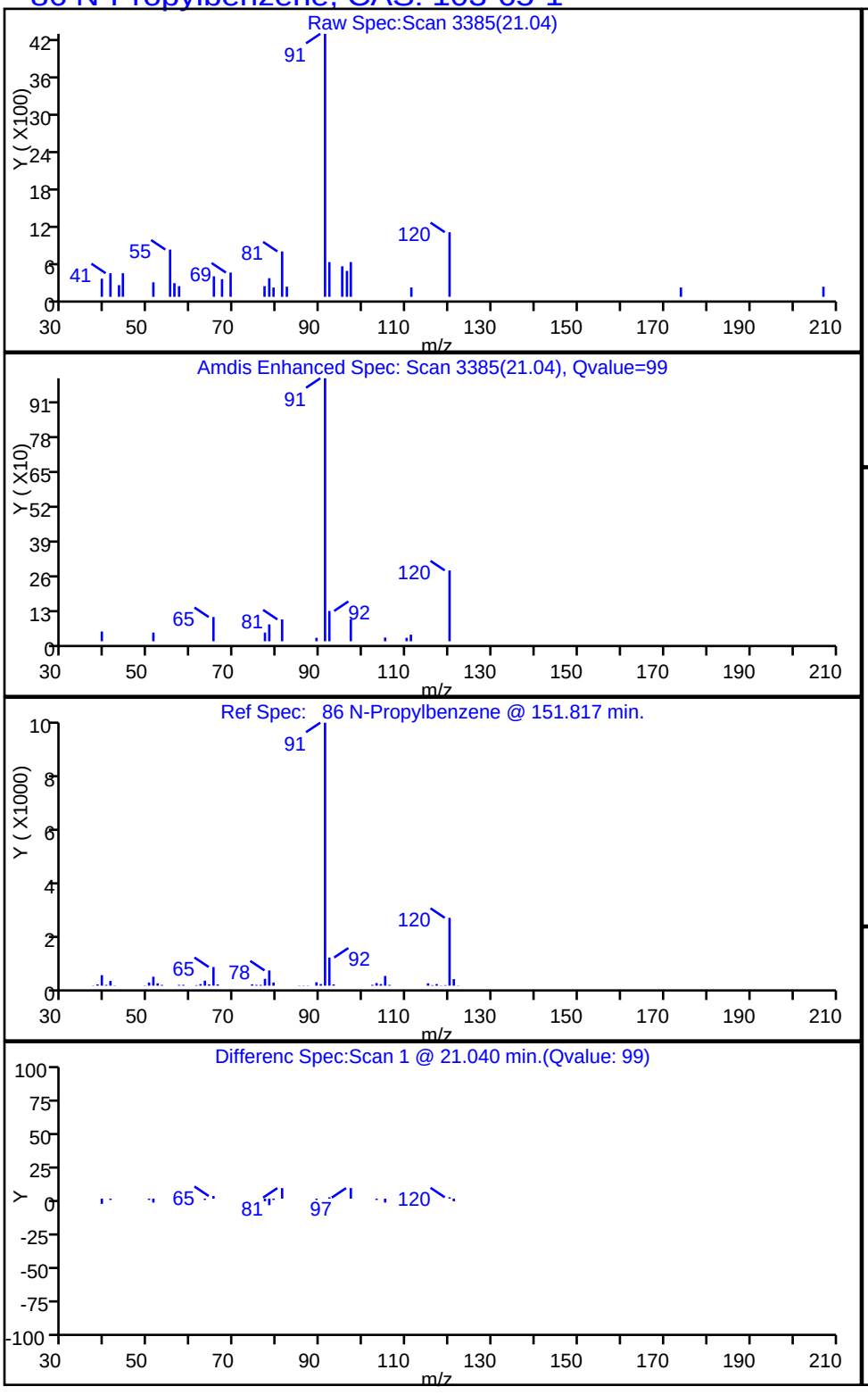


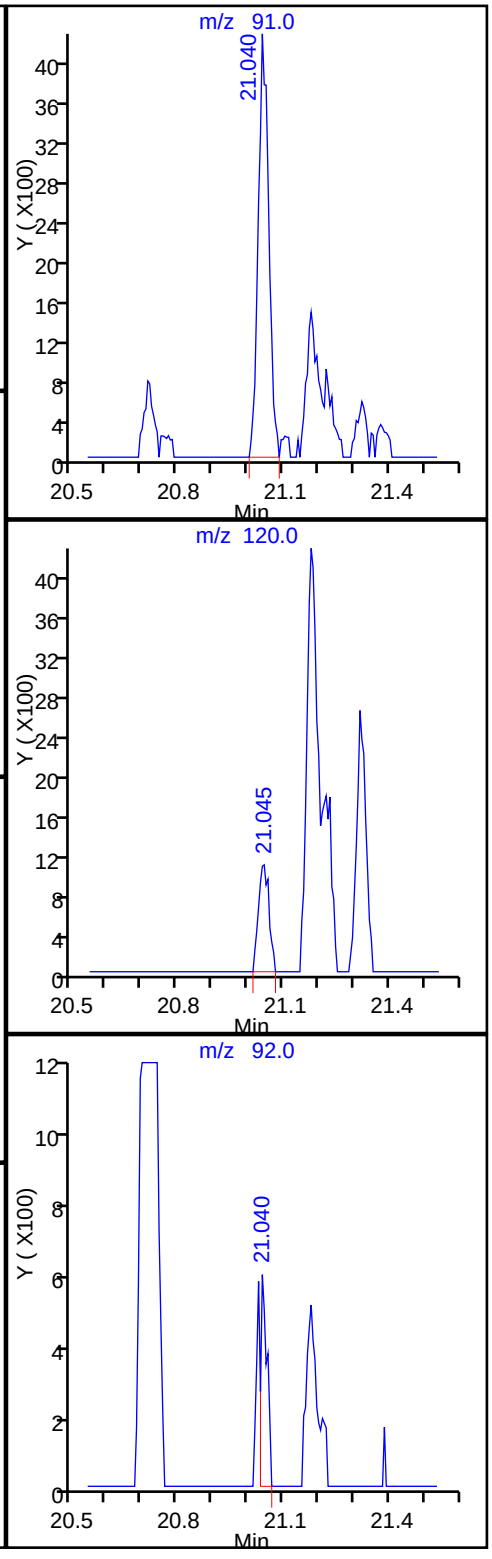


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D
Injection Date: 05-Sep-2015 01:41:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-16 Lab Sample ID: 200-29580-16
Client ID: 785IA15
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

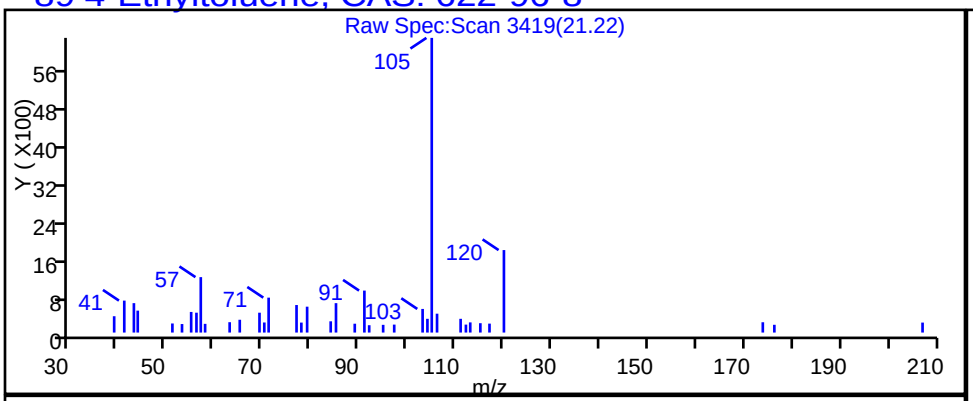


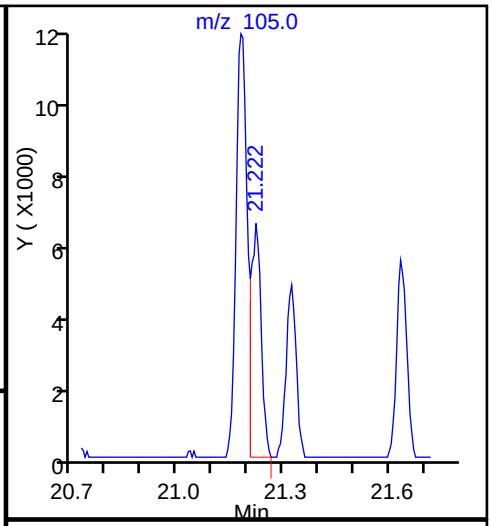


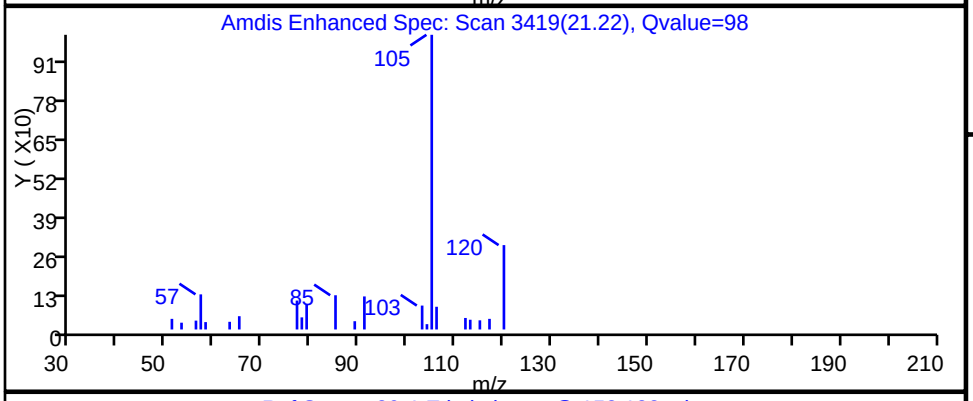
TestAmerica Burlington

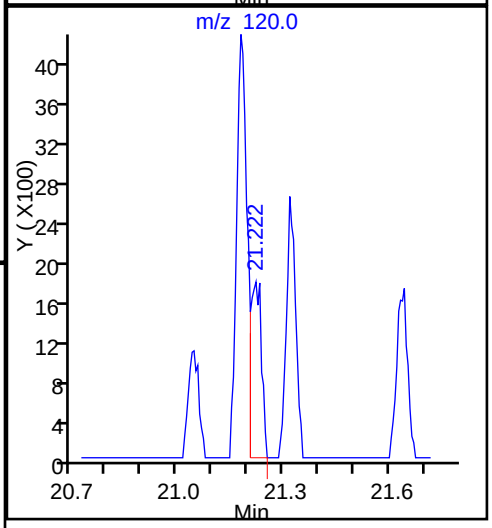
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

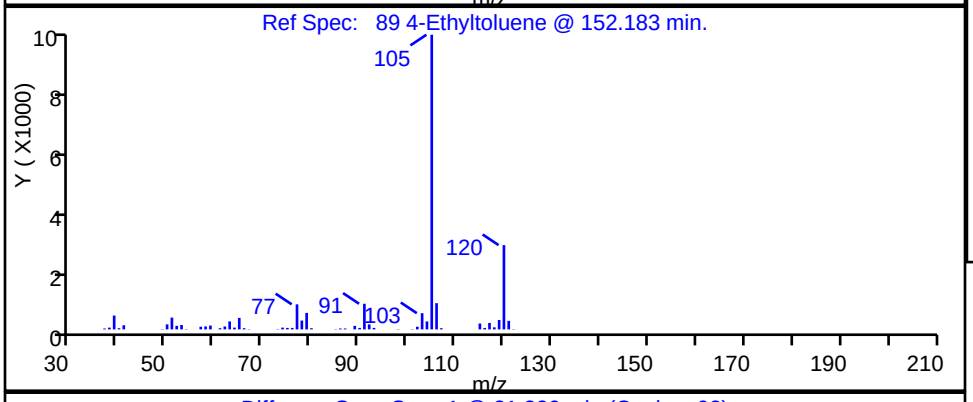
89 4-Ethyltoluene, CAS: 622-96-8

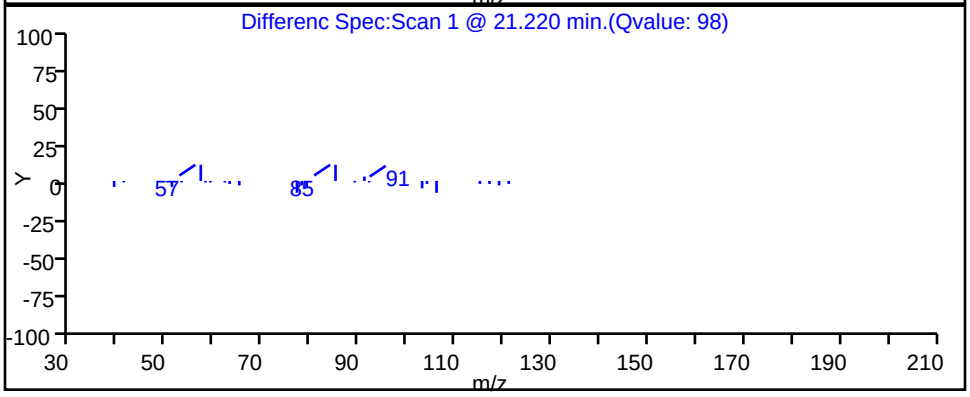








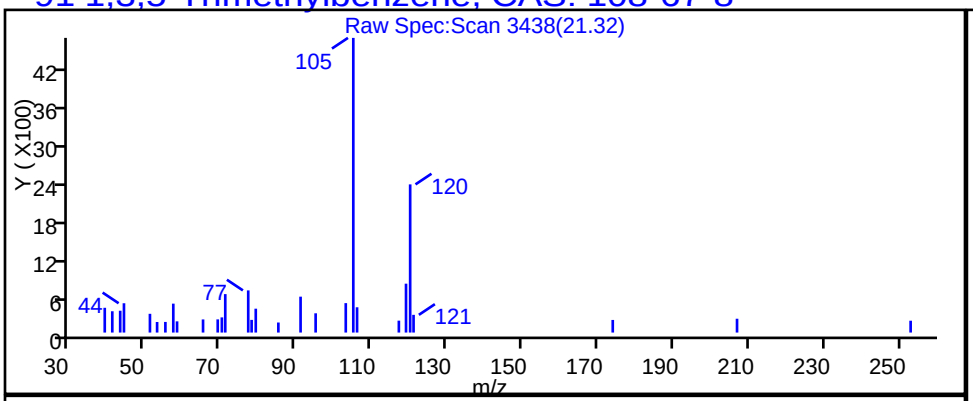


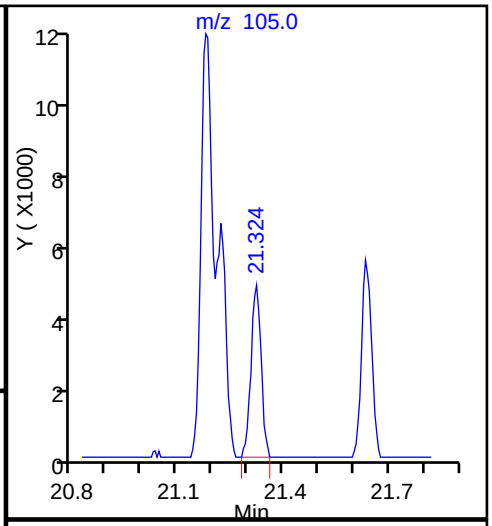


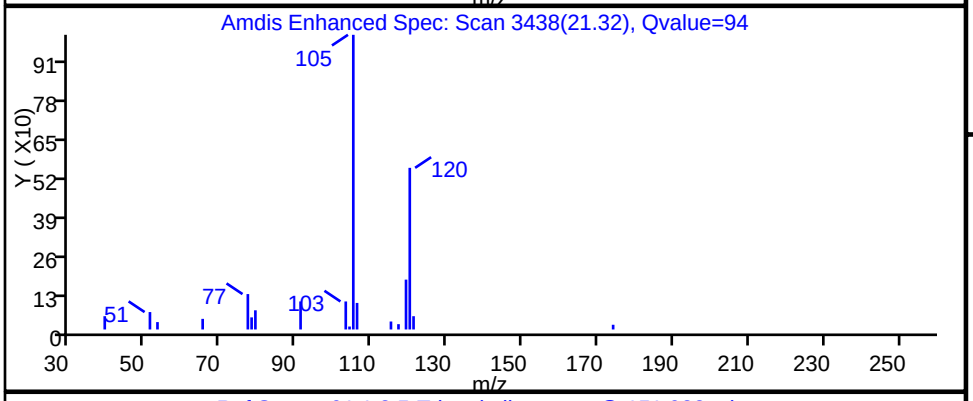
TestAmerica Burlington

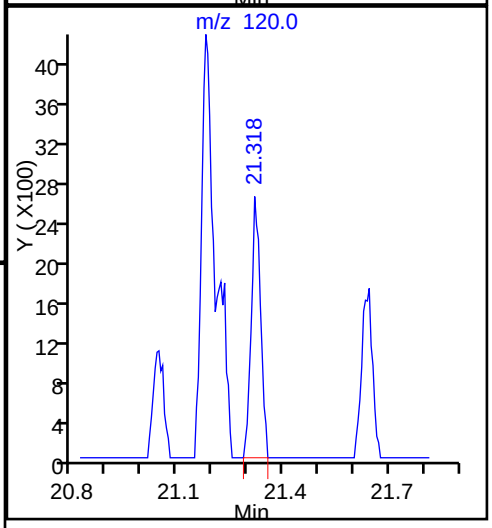
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

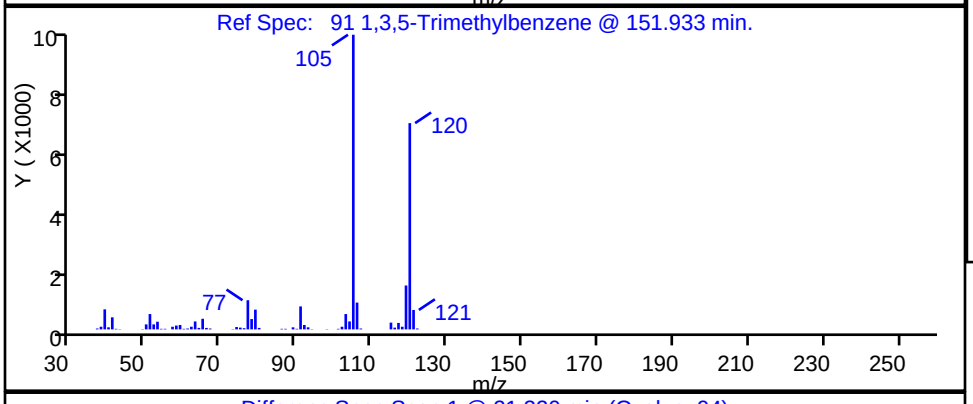
91 1,3,5-Trimethylbenzene, CAS: 108-67-8

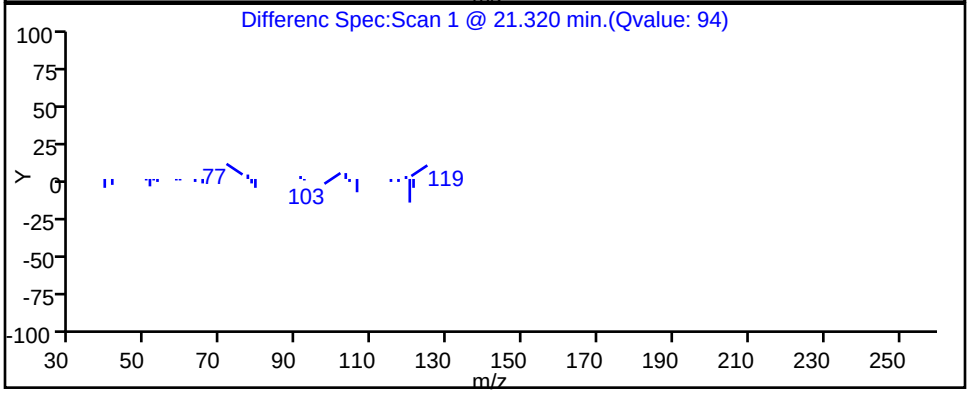








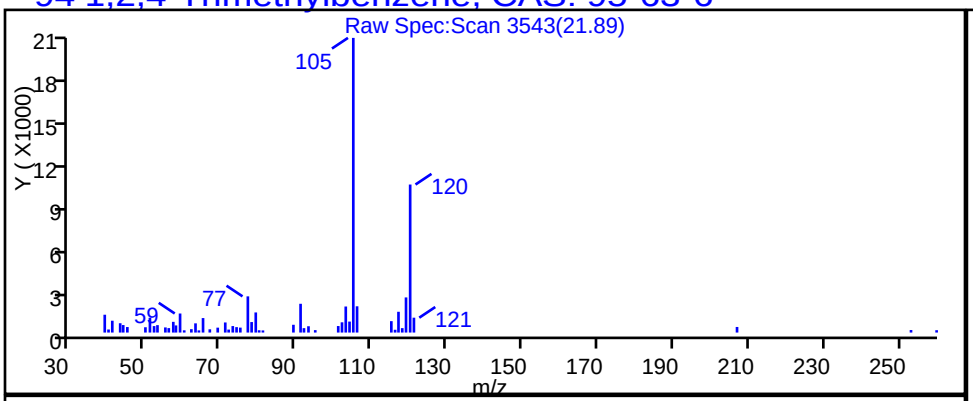


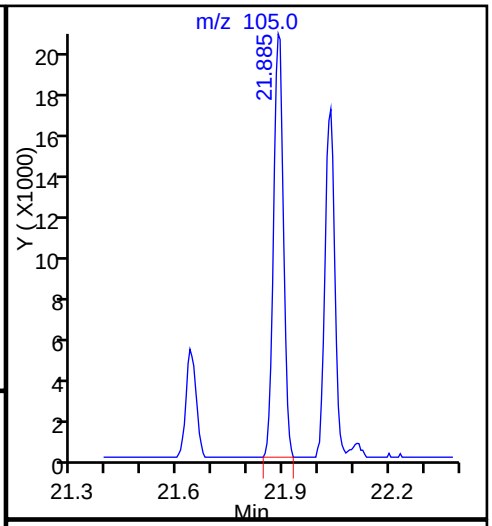


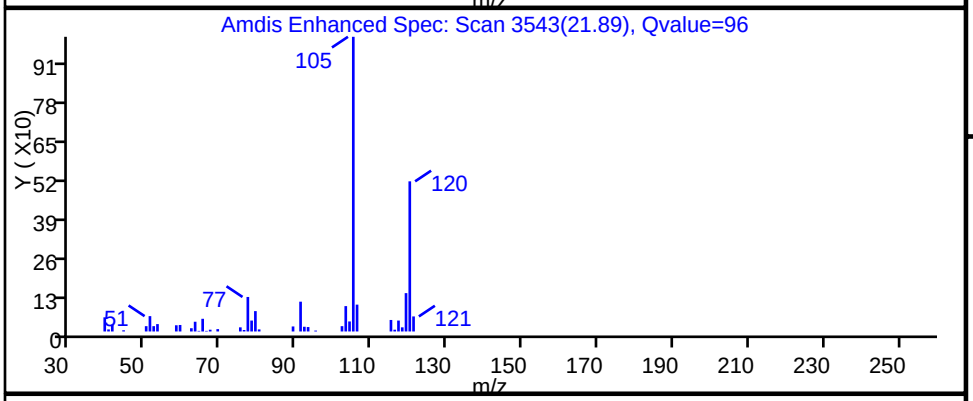
TestAmerica Burlington

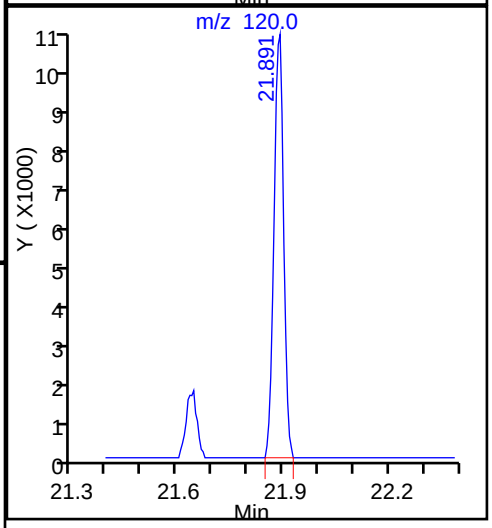
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

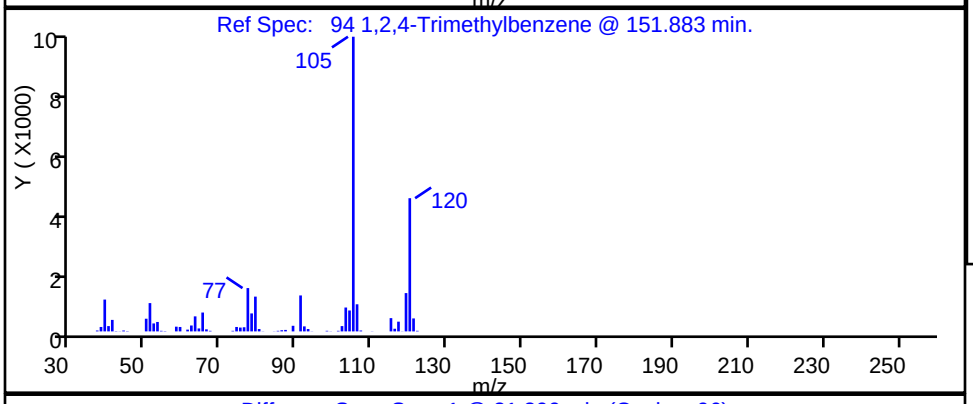
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

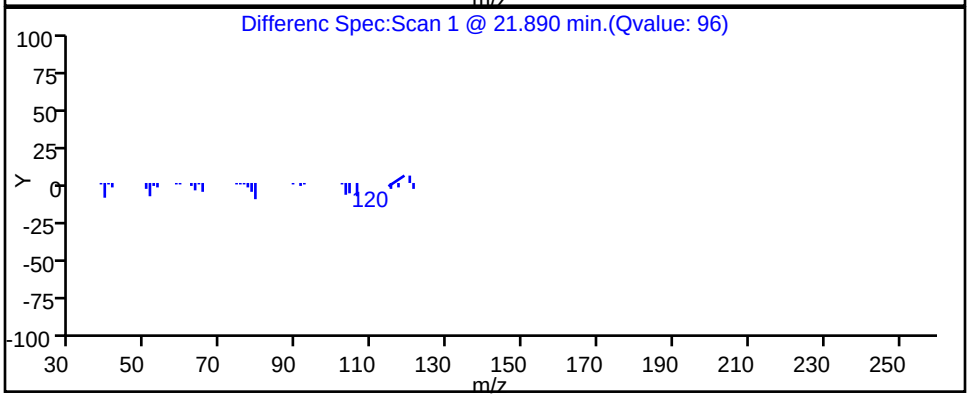








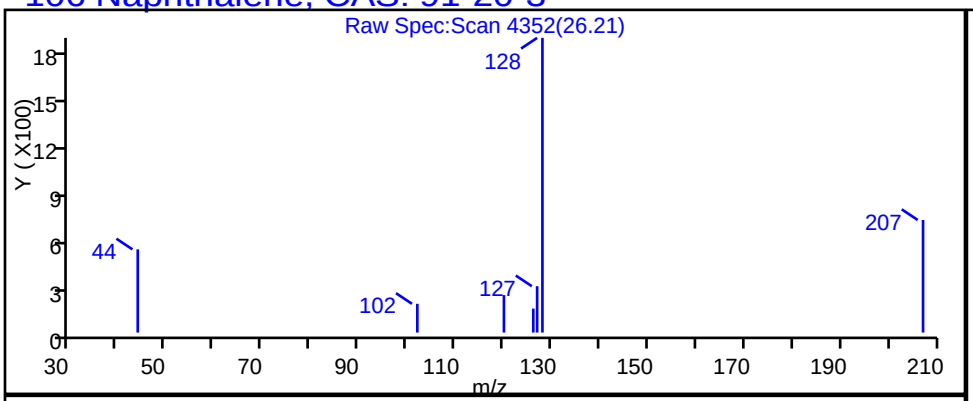


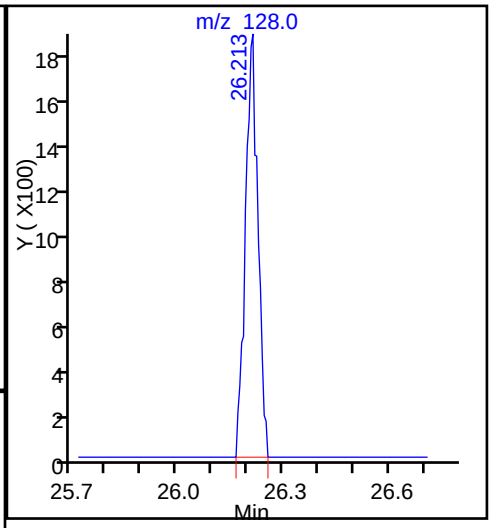


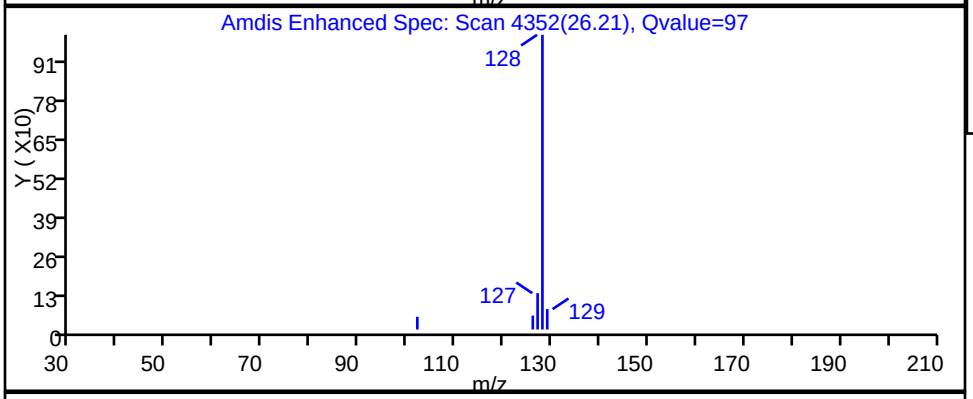
TestAmerica Burlington

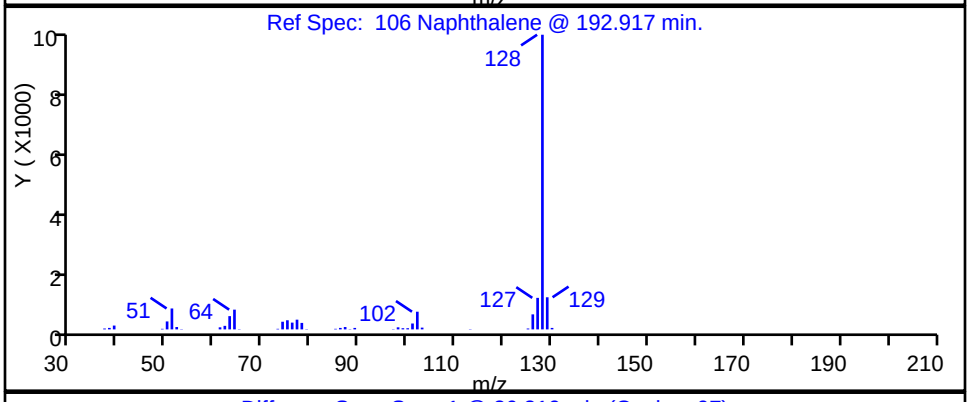
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

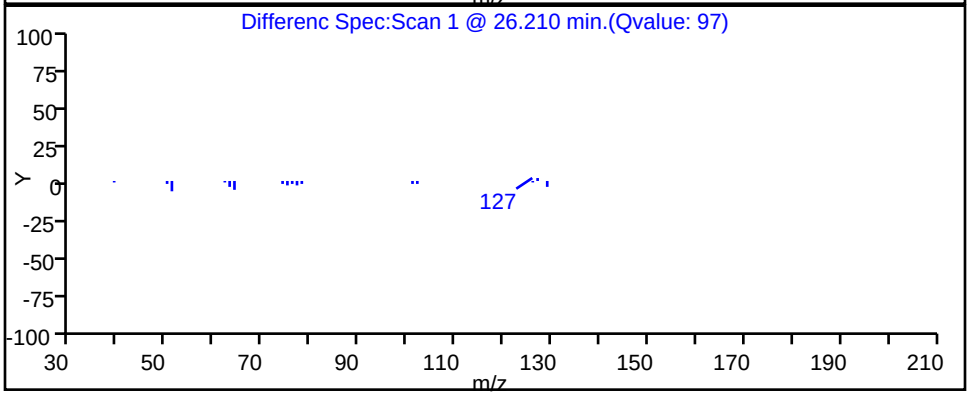
106 Naphthalene, CAS: 91-20-3











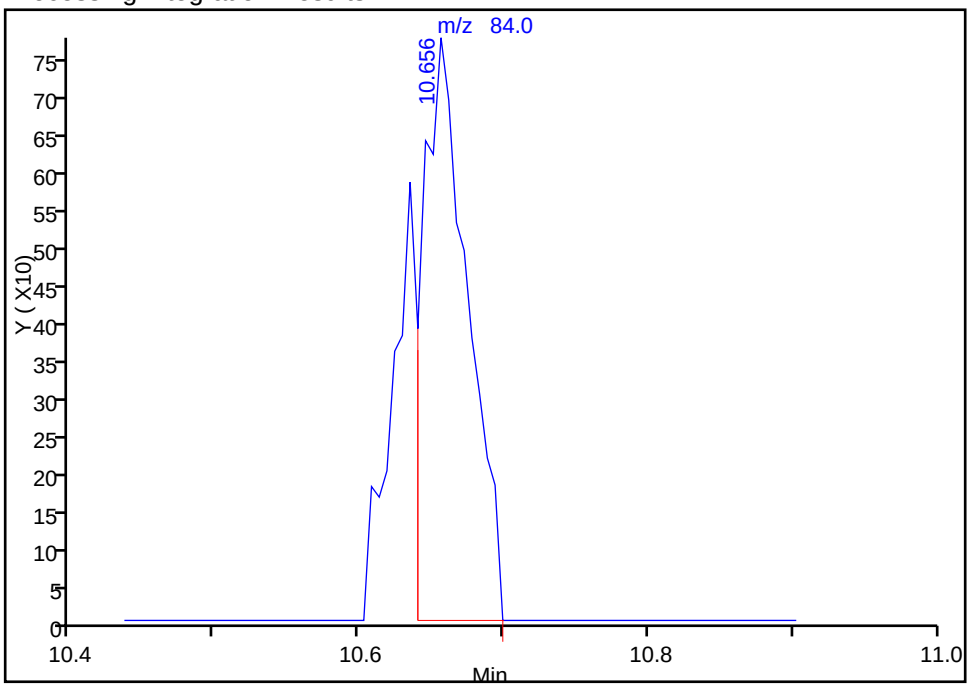
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Cyclohexane, CAS: 110-82-7

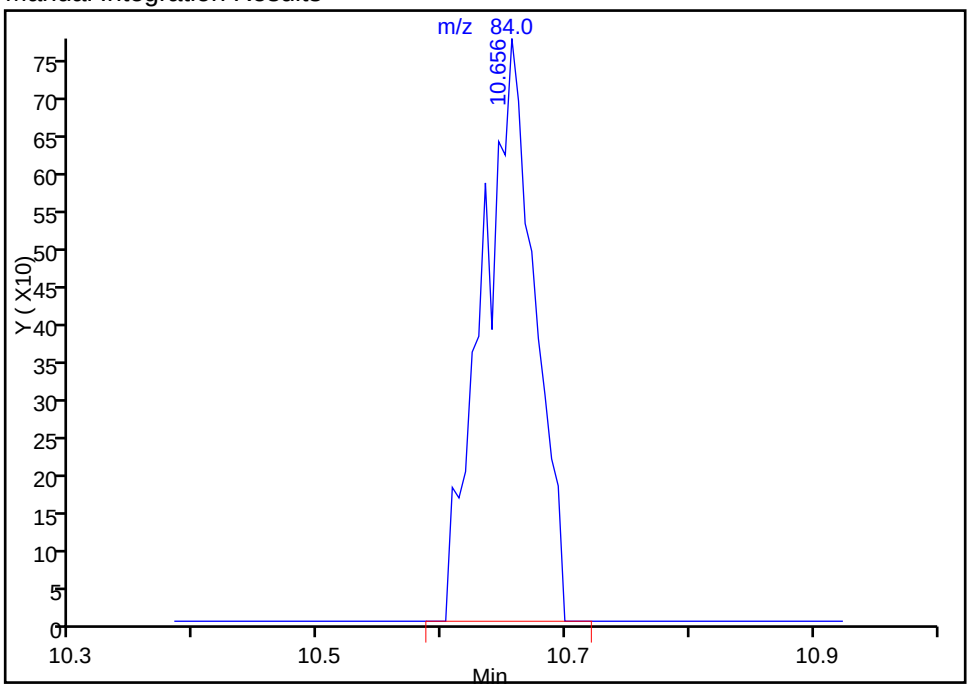
Processing Integration Results

RT: 10.66
Area: 1671
Amount: 0.088600
Amount Units: ppb v/v



Manual Integration Results

RT: 10.66
Area: 2269
Amount: 0.120307
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:11:15
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

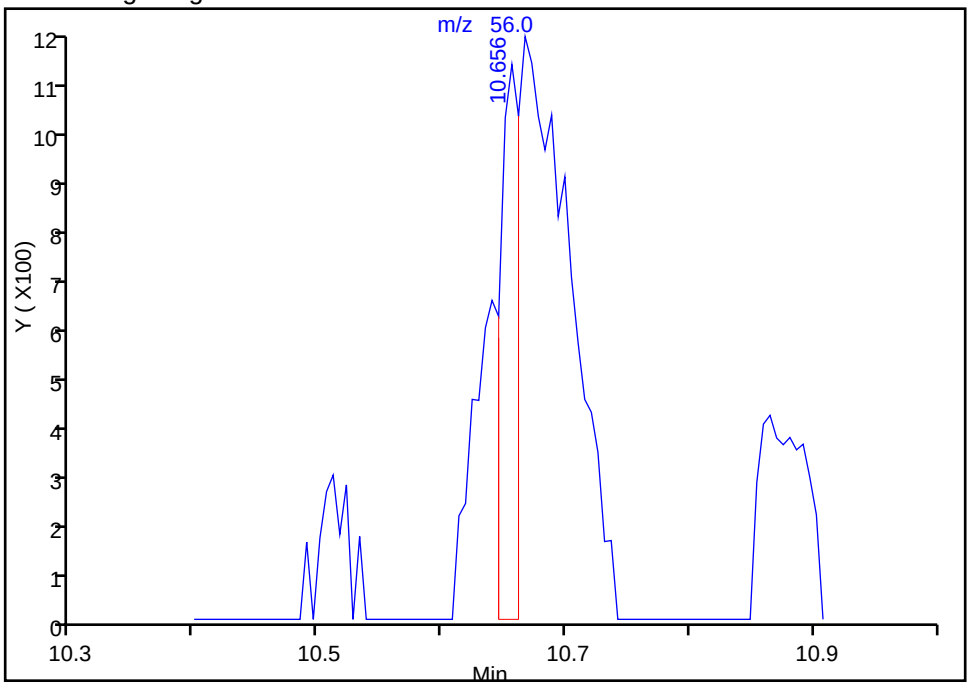
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Cyclohexane, CAS: 110-82-7

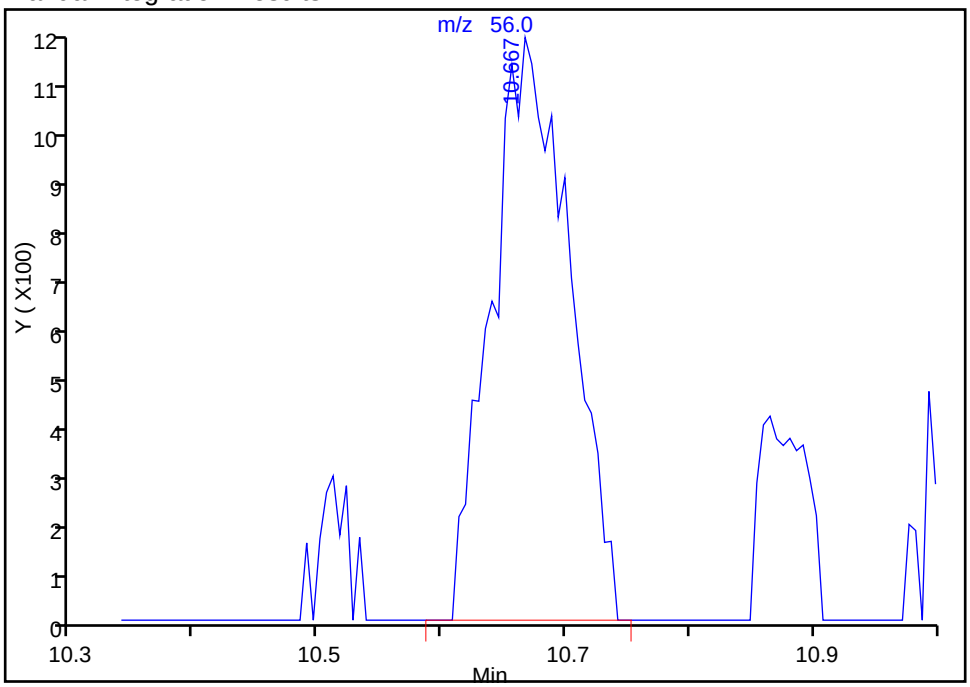
Processing Integration Results

RT: 10.66
Area: 1161
Amount: 0.088600
Amount Units: ppb v/v



Manual Integration Results

RT: 10.67
Area: 4961
Amount: 0.120307
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:11:15
Audit Action: Manually Integrated
Audit Reason: Baseline

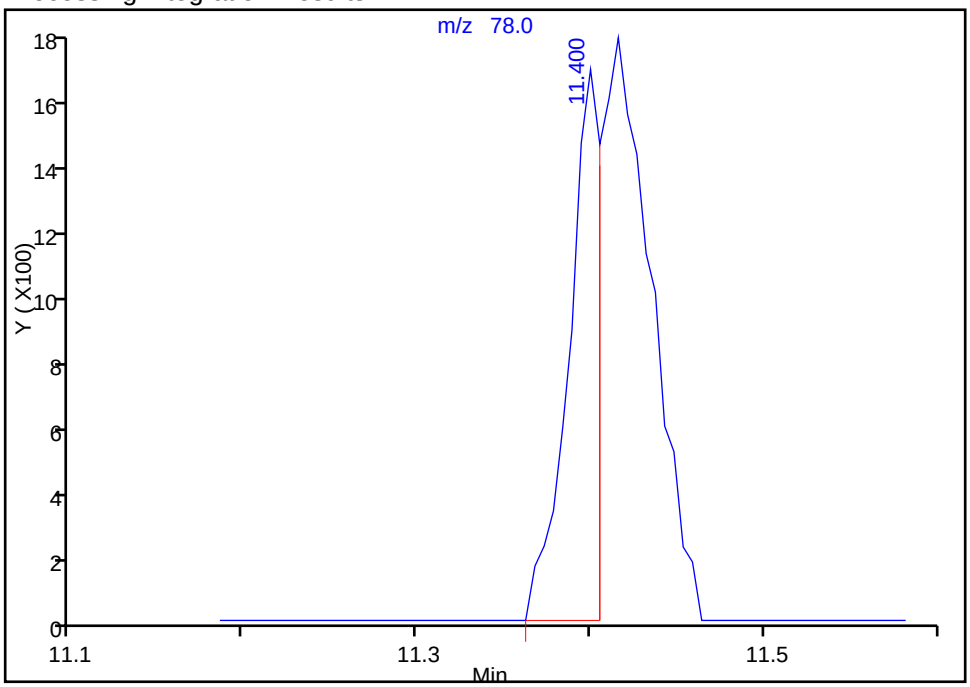
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2

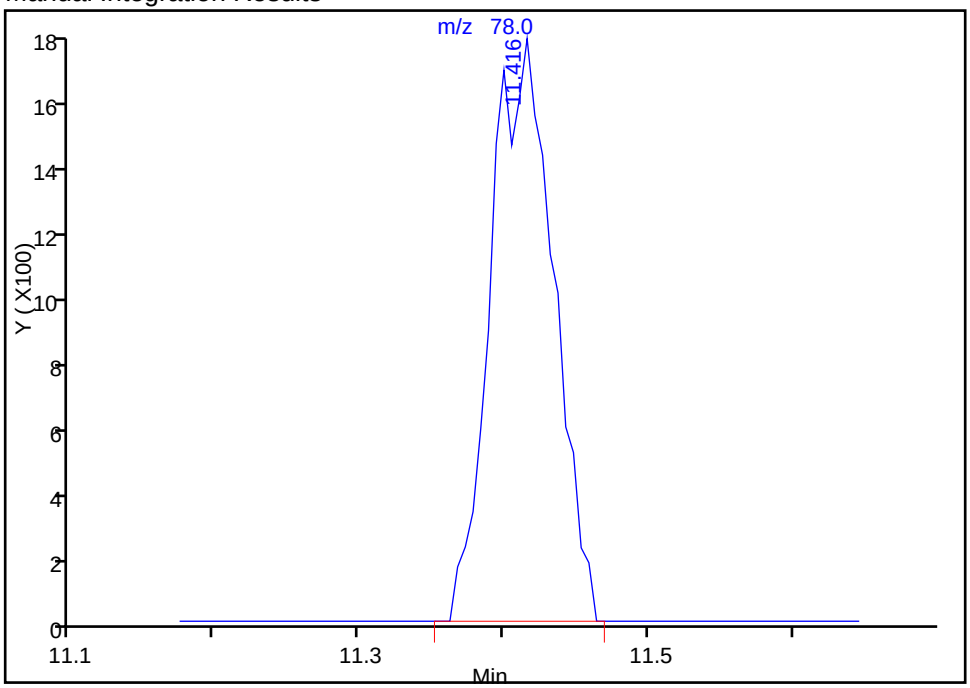
Processing Integration Results

RT: 11.40
Area: 2093
Amount: 0.047579
Amount Units: ppb v/v



Manual Integration Results

RT: 11.42
Area: 5163
Amount: 0.117369
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:11:15
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

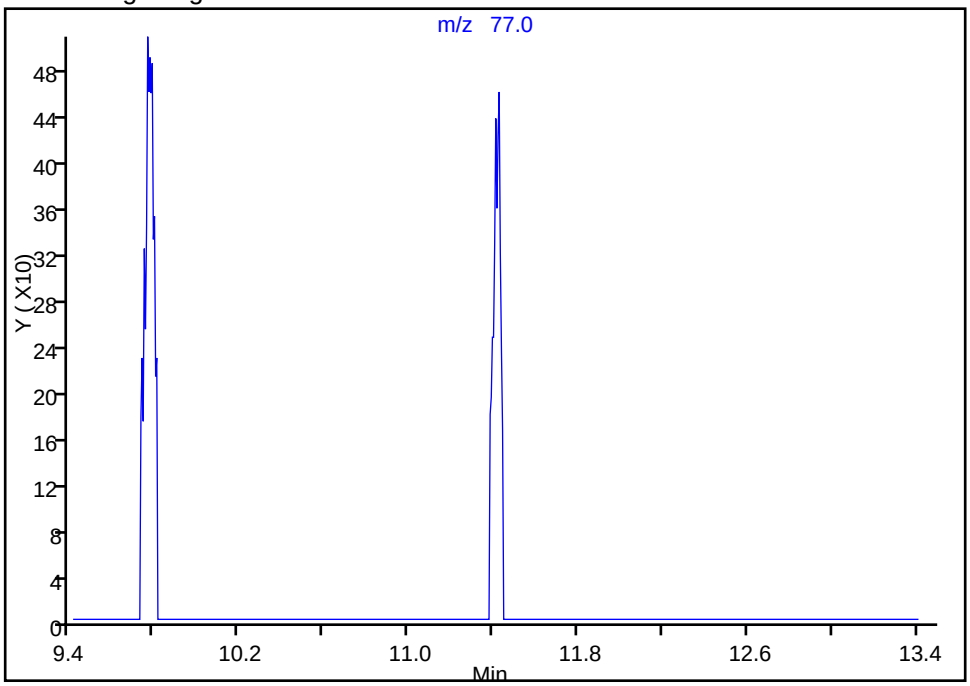
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2

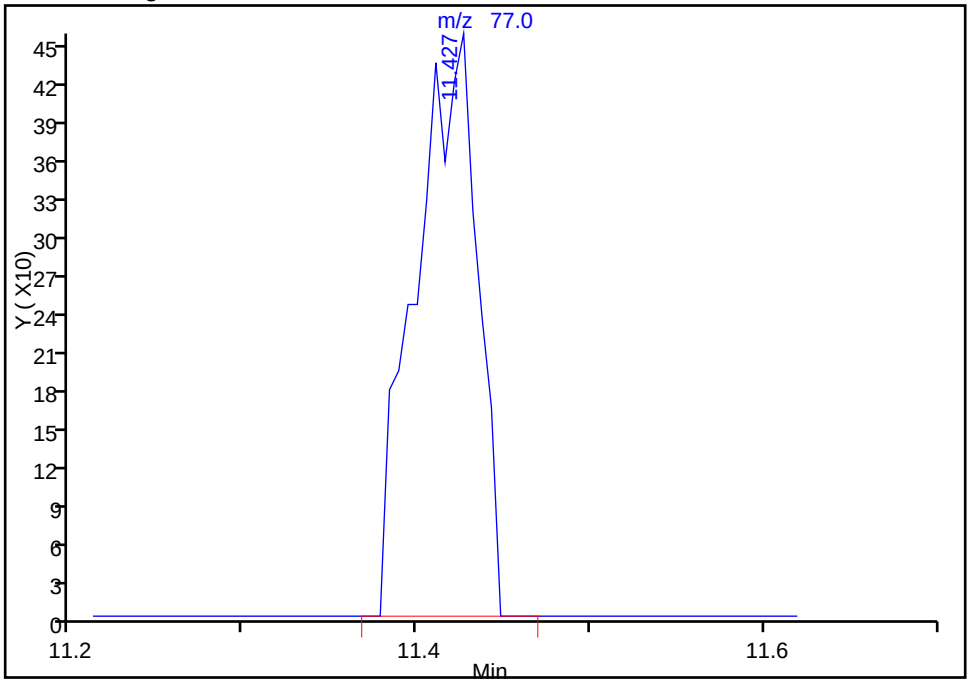
Processing Integration Results

RT: 11.41
Area: 0
Amount: 0.047579
Amount Units: ppb v/v



Manual Integration Results

RT: 11.43
Area: 1147
Amount: 0.117369
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:11:15
Audit Action: Manually Integrated
Audit Reason: Baseline

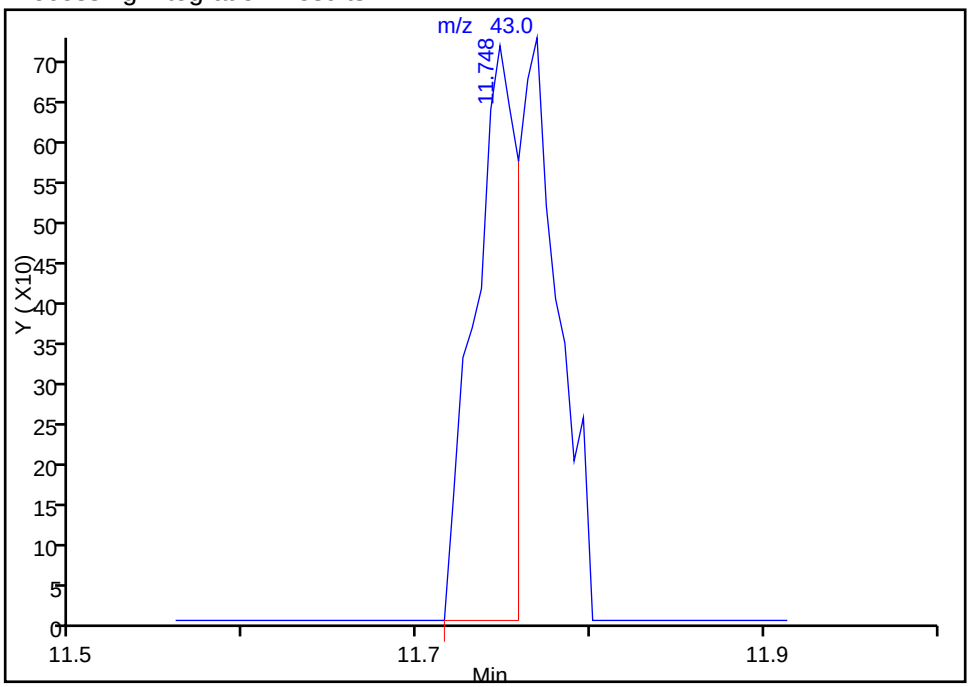
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

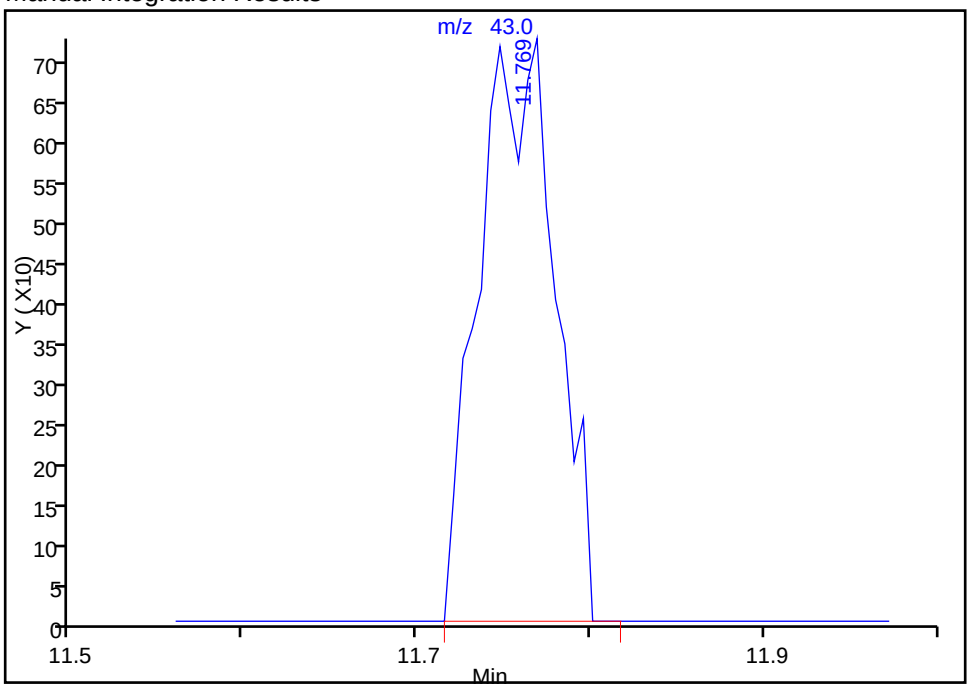
Processing Integration Results

RT: 11.75
Area: 1230
Amount: 0.057944
Amount Units: ppb v/v



Manual Integration Results

RT: 11.77
Area: 2231
Amount: 0.105100
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:11:15
Audit Action: Manually Integrated
Audit Reason: Baseline

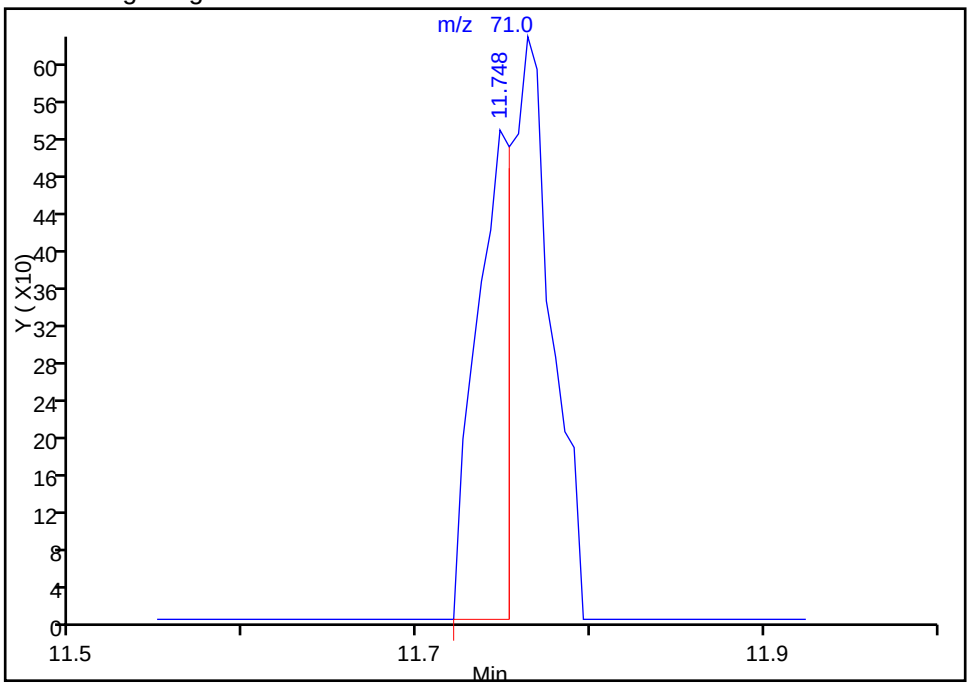
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_18.D				
Injection Date:	05-Sep-2015 01:41:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-16	Lab Sample ID:	200-29580-16		
Client ID:	785IA15				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

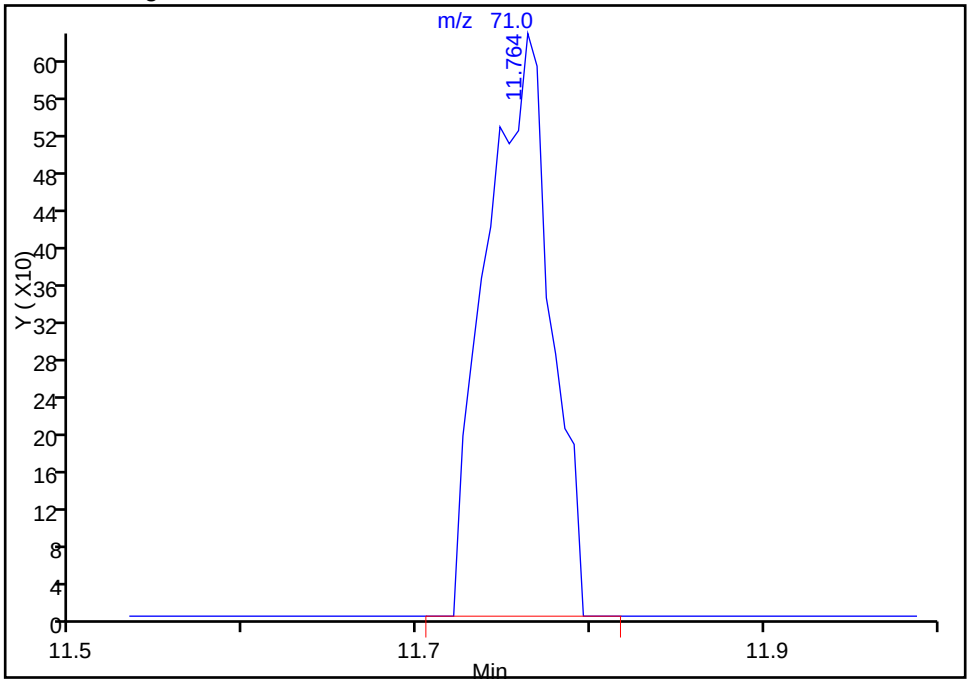
Processing Integration Results

RT: 11.75
Area: 732
Amount: 0.057944
Amount Units: ppb v/v



Manual Integration Results

RT: 11.76
Area: 1612
Amount: 0.105100
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:11:15
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786IA14 | Lab Sample ID: 200-29580-17

Matrix: Air | Lab File ID: 15629_19.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:30

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 02:30

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.: 93647 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.48	J	0.50	0.056
75-45-6	Freon 22	86.47	0.27	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.49	J	0.50	0.060
106-97-8	n-Butane	58.12	0.78		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.22		0.20	0.045
76-13-1	Freon TF	187.38	0.059	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	5.3		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.13	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.23	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.23		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.53		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.062	J M	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.078	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.095	J M	0.20	0.023
71-43-2	Benzene	78.11	0.38	M	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786IA14 | Lab Sample ID: 200-29580-17

Matrix: Air | Lab File ID: 15629_19.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:30

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 02:30

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.: 93647 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.093	J M	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.18	J	0.50	0.18
108-88-3	Toluene	92.14	0.42		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.069	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.26	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.10	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.36	J	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.032	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.13	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786IA14 Lab Sample ID: 200-29580-17

Matrix: Air Lab File ID: 15629_19.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:30

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 02:30

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.040	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786IA14 Lab Sample ID: 200-29580-17

Matrix: Air Lab File ID: 15629_19.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:30

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 02:30

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.28
75-45-6	Freon 22	86.47	0.94	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.0	J	1.0	0.12
106-97-8	n-Butane	58.12	1.9		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.25
76-13-1	Freon TF	187.38	0.45	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	13		12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.40	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.79	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.80		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.6		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.21	J M	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.49	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.44	J M	0.93	0.11
71-43-2	Benzene	78.11	1.2	M	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786IA14 Lab Sample ID: 200-29580-17

Matrix: Air Lab File ID: 15629_19.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:30

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 02:30

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.38	J M	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.75	J	2.0	0.74
108-88-3	Toluene	92.14	1.6		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.30	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	1.1	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.45	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	1.6	J	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.16	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.19	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.63	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786IA14 Lab Sample ID: 200-29580-17

Matrix: Air Lab File ID: 15629_19.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:30

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 02:30

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.21	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Sample Type: Client
Inject. Date: 05-Sep-2015 02:30:30 ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-019
Misc. Info.: 29580-17
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2015 09:14:09 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 08-Sep-2015 09:14:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.167	3.167	0.000	99	12701	0.4780	
3 Chlorodifluoromethane	51	3.220	3.215	0.005	96	3411	0.2654	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.429				ND	
5 Chloromethane	50	3.573	3.568	0.005	98	3632	0.4857	
6 Butane	43	3.761	3.761	0.001	98	9568	0.7790	
7 Vinyl chloride	62		3.809				ND	
8 Butadiene	54		3.884				ND	
9 Bromomethane	94		4.552				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101	5.253	5.248	0.005	94	6408	0.2187	
18 1,1,2-Trichloro-1,2,2-trif	101	6.286	6.291	-0.005	49	1384	0.0590	
20 1,1-Dichloroethene	96		6.350				ND	
21 Acetone	43	6.628	6.596	0.032	88	63068	5.27	
22 Carbon disulfide	76	6.740	6.740	0.000	97	3591	0.1289	
23 Isopropyl alcohol	45		6.885				ND	
24 3-Chloro-1-propene	41		7.120				ND	
26 Methylene Chloride	49	7.414	7.409	0.005	87	2297	0.2281	
28 2-Methyl-2-propanol	59		7.660				ND	
29 Methyl tert-butyl ether	73		7.810				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.212	8.206	0.006	90	3399	0.2273	
33 1,1-Dichloroethane	63		8.709				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72	9.924	9.870	0.054	97	3344	0.5270	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	78	136604	10.0	
39 Tetrahydrofuran	42		10.293				ND	
41 Chloroform	83		10.410				ND	
42 Cyclohexane	84	10.656	10.672	0.005	90	1185	0.0624	M
43 1,1,1-Trichloroethane	97		10.688				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117	10.935	10.934	0.001	53	2239	0.0777	
	45 Isooctane	57	11.379	11.411	0.017	92	6028	0.0949	M
	46 Benzene	78	11.416	11.416	0.005	93	16628	0.3752	M
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43	11.764	11.742	0.016	84	1998	0.0934	M
*	50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	759011	10.0	
	52 Trichloroethene	95		12.743				ND	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88	13.620	13.567	0.053	32	1224	0.1471	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43	15.230	15.182	0.048	91	5277	0.1822	
	62 Toluene	92	15.476	15.482	-0.006	93	16540	0.4217	
	67 trans-1,3-Dichloropropene	75		16.097				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.584				ND	
	70 2-Hexanone	43	16.990	16.948	0.042	88	1932	0.0663	
	71 Chlorodibromomethane	129		17.269				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.451	18.451	0.000	83	770259	10.0	
	74 Chlorobenzene	112		18.515				ND	
	75 Ethylbenzene	91	18.654	18.654	0.000	94	5874	0.0695	
	77 m-Xylene & p-Xylene	106	18.906	18.911	-0.005	99	9391	0.2634	
	78 o-Xylene	106	19.724	19.724	0.000	95	3645	0.1034	
	79 Styrene	104		19.772				ND	
S	80 Xylenes, Total	106				0		0.3668	
	81 Bromoform	173		20.184				ND	
	82 Isopropylbenzene	105	20.355	20.361	-0.006	1	1219	0.0121	
	85 1,1,2,2-Tetrachloroethane	83		20.987				ND	
	86 N-Propylbenzene	91	21.046	21.045	0.001	96	2719	0.0232	
	89 4-Ethyltoluene	105	21.217	21.222	-0.005	97	3220	0.0317	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	93	3318	0.0396	
	93 tert-Butylbenzene	119		21.794				ND	
	94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	96	10735	0.1277	
	95 sec-Butylbenzene	105		22.110				ND	
	96 4-Isopropyltoluene	119	22.303	22.303	0.000	88	1073	0.0100	
	97 1,3-Dichlorobenzene	146		22.351				ND	
	98 1,4-Dichlorobenzene	146		22.490				ND	
	99 Benzyl chloride	91		22.693				ND	
	101 n-Butylbenzene	91		22.896				ND	
	102 1,2-Dichlorobenzene	146		23.046				ND	
	104 1,2,4-Trichlorobenzene	180		25.678				ND	
	105 Hexachlorobutadiene	225		25.865				ND	
	106 Naphthalene	128	26.208	26.208	0.000	97	4353	0.0402	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

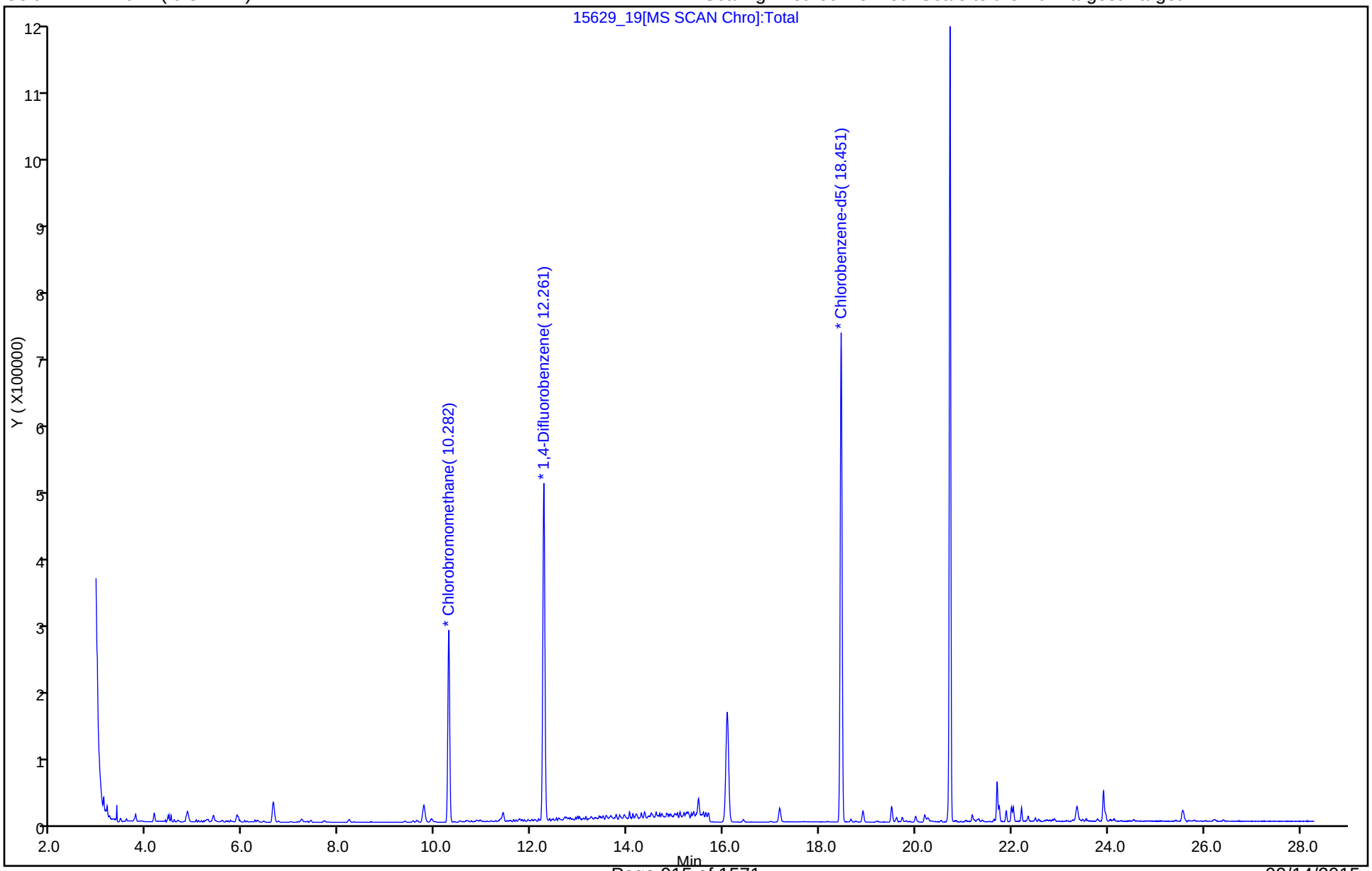
Report Date: 08-Sep-2015 09:14:10 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D

Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17	Worklist Smp#:	19
Client ID:	785IA14				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

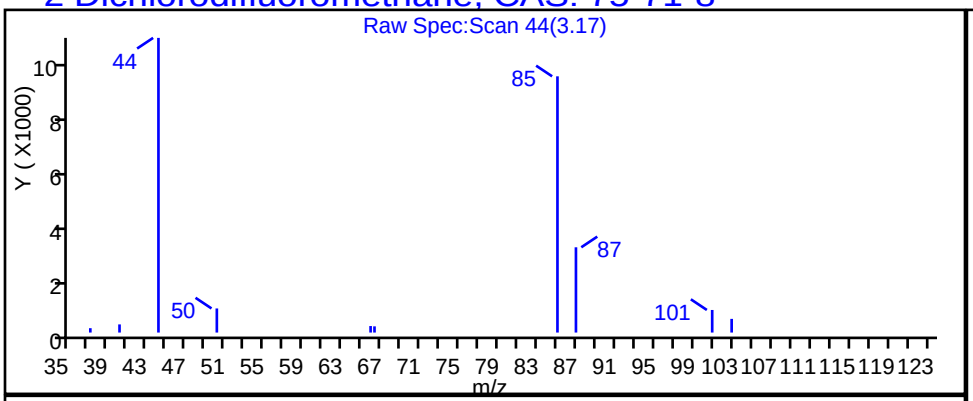
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

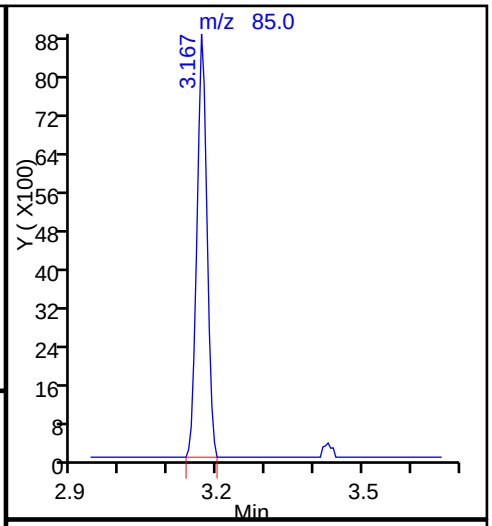


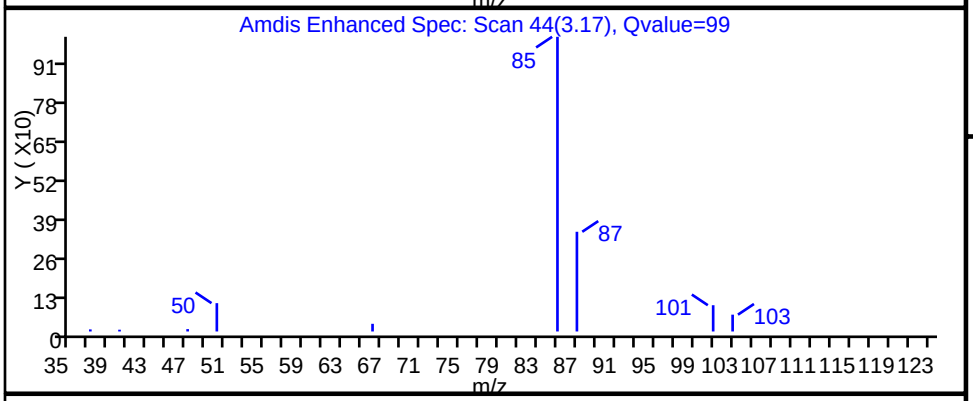
TestAmerica Burlington

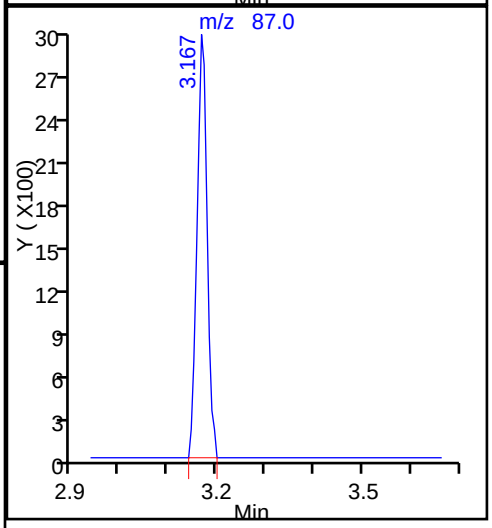
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

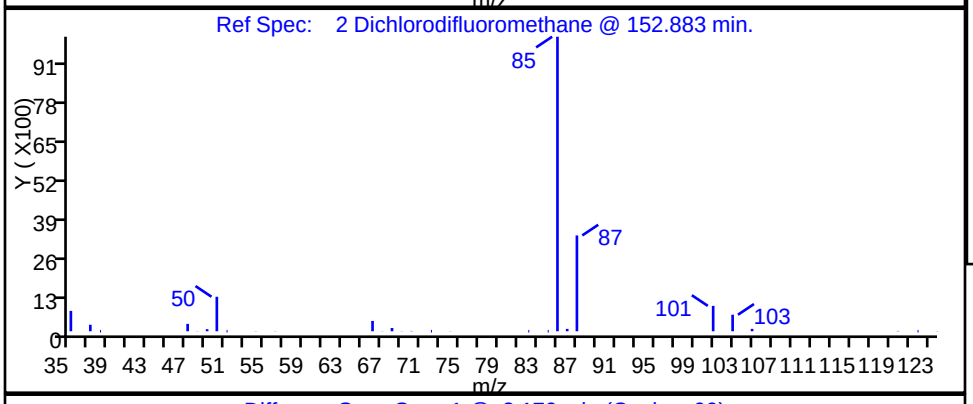
2 Dichlorodifluoromethane, CAS: 75-71-8

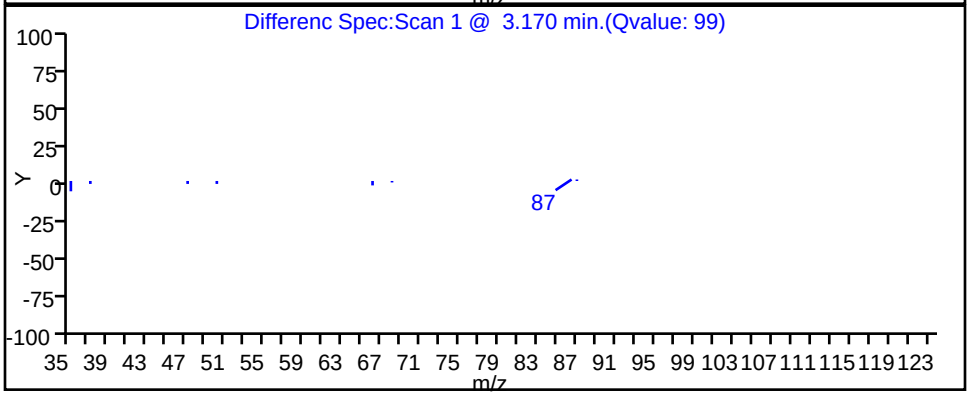








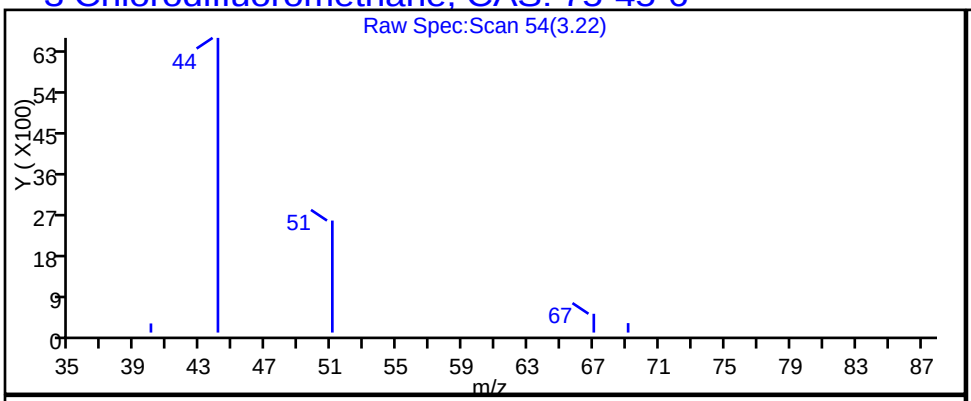


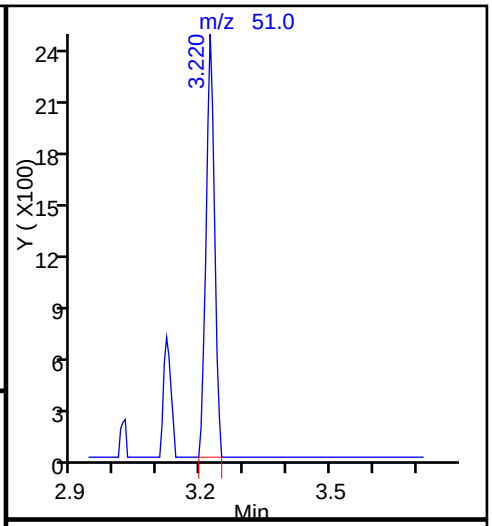


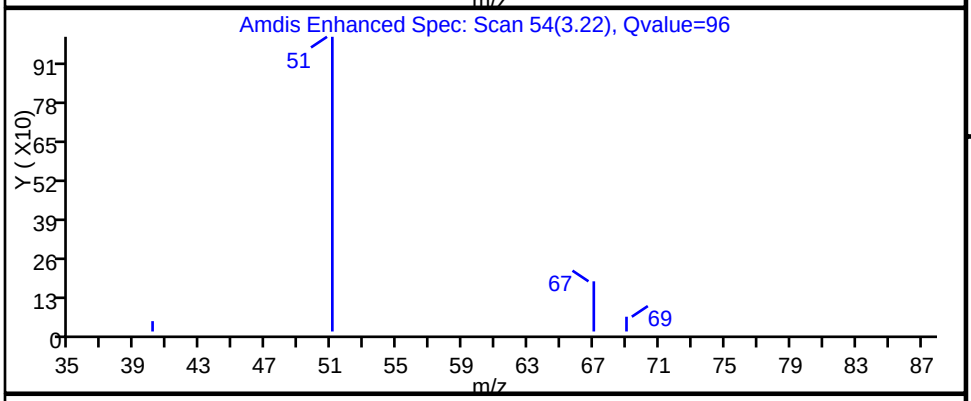
TestAmerica Burlington

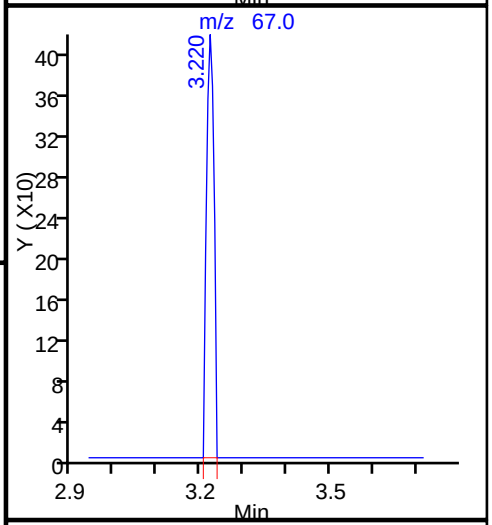
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

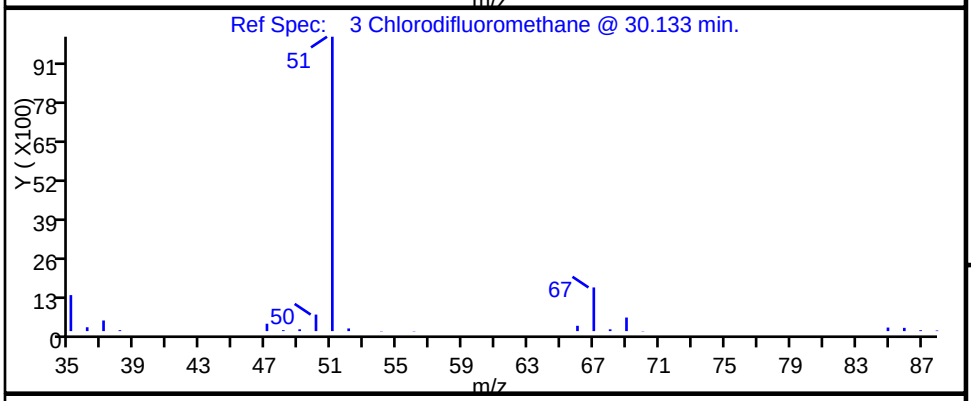
3 Chlorodifluoromethane, CAS: 75-45-6

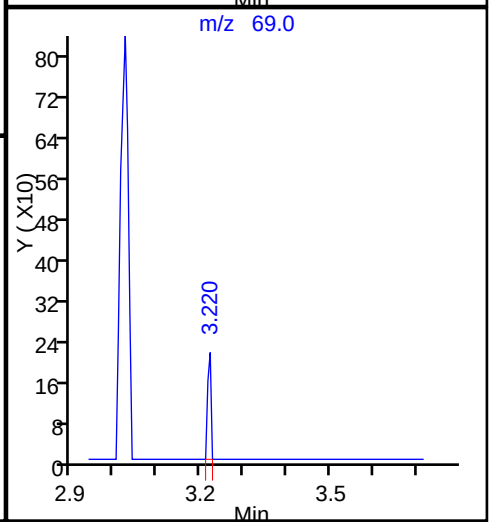


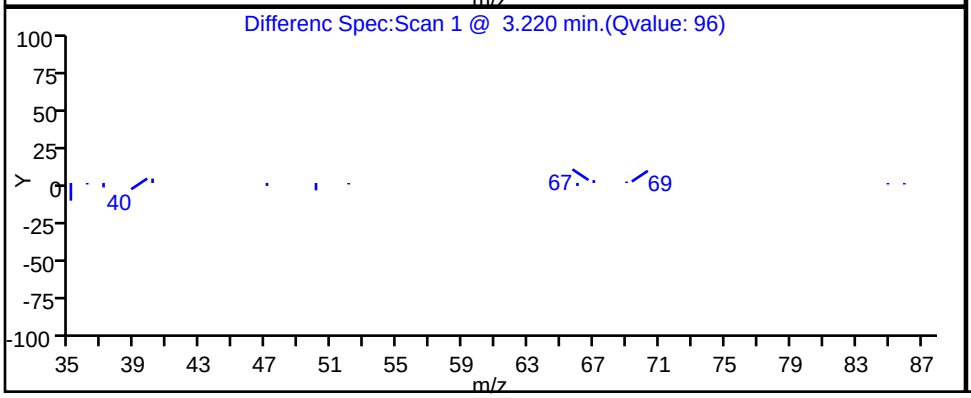








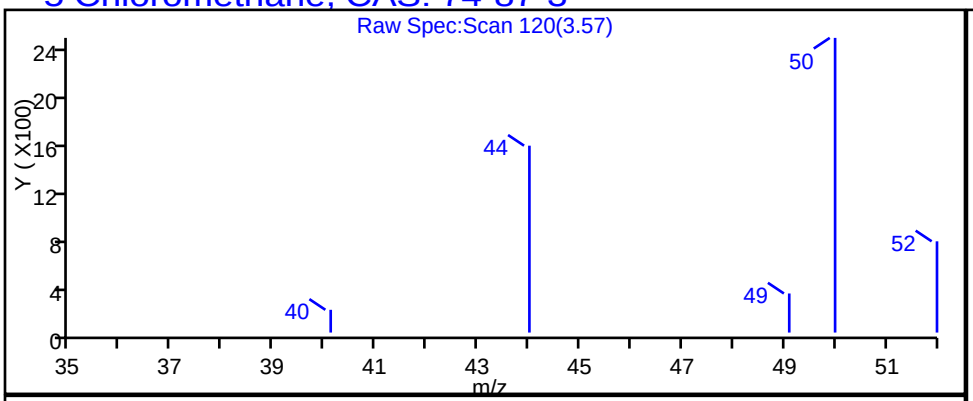


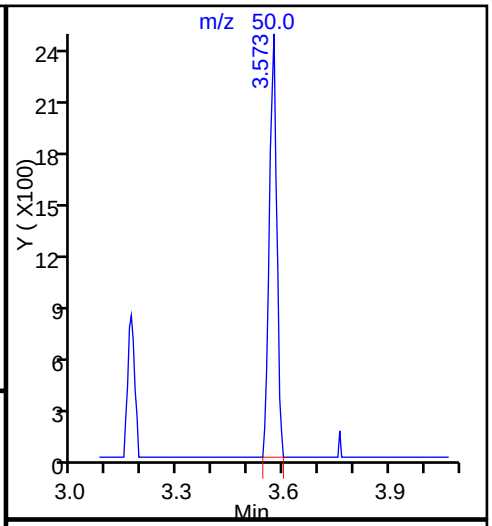


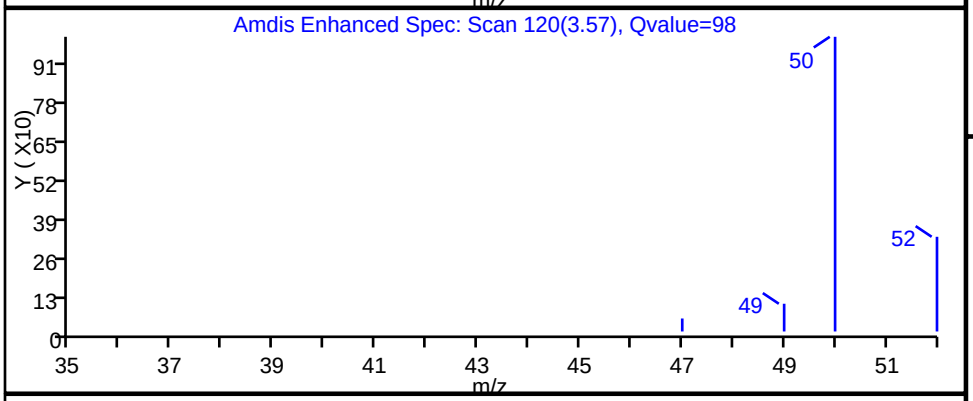
TestAmerica Burlington

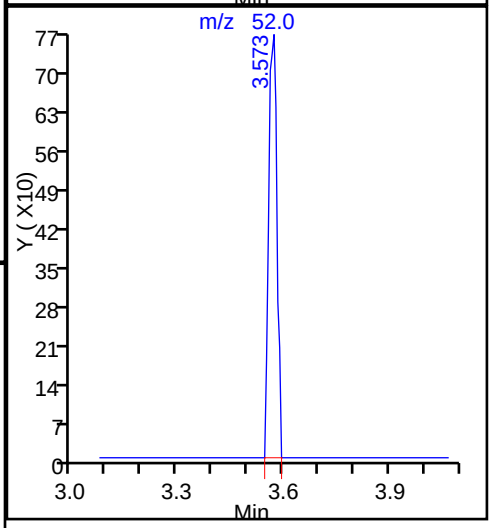
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Injection Date: 05-Sep-2015 02:30:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

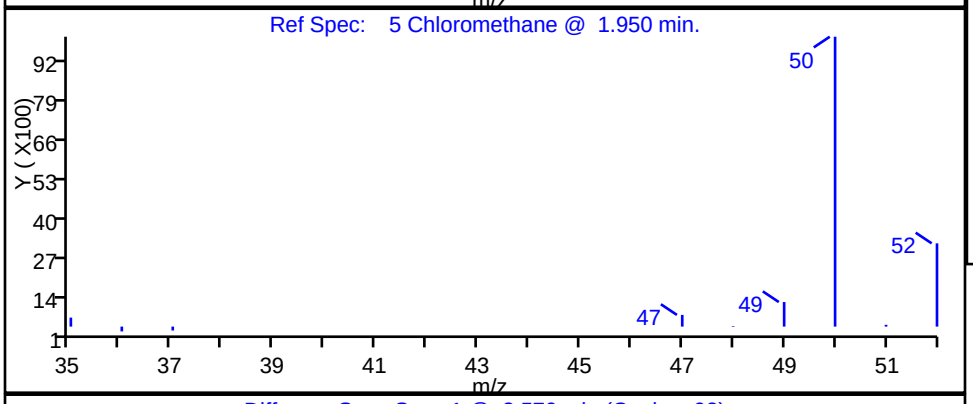
5 Chloromethane, CAS: 74-87-3

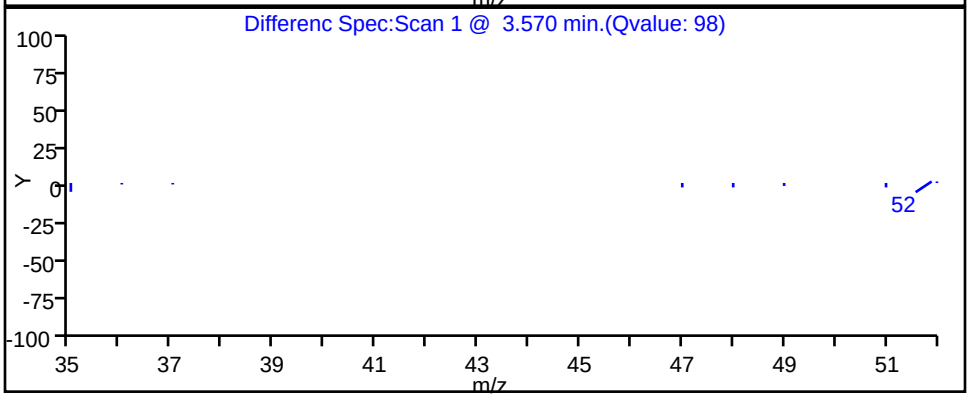






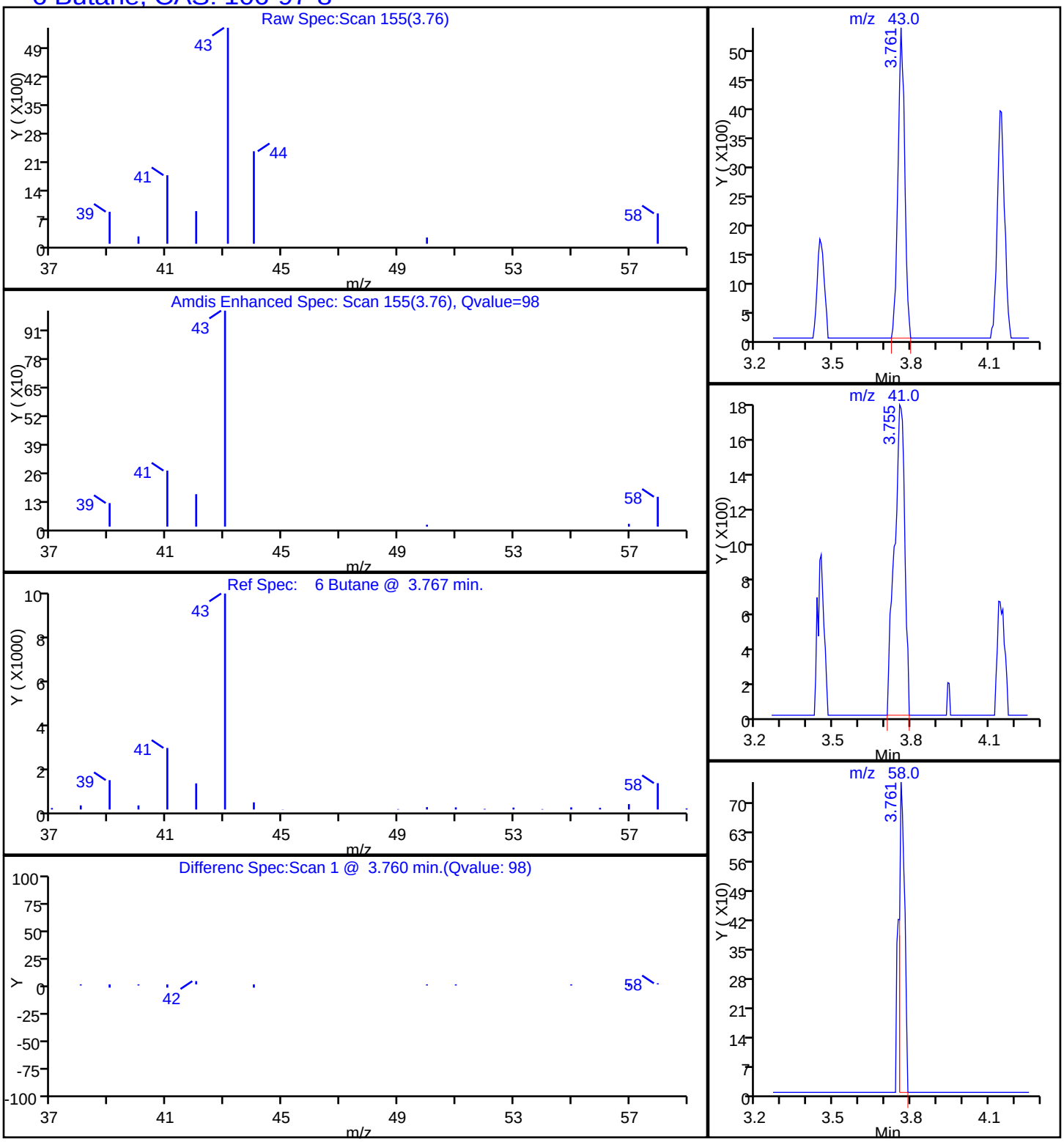






Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Injection Date: 05-Sep-2015 02:30:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

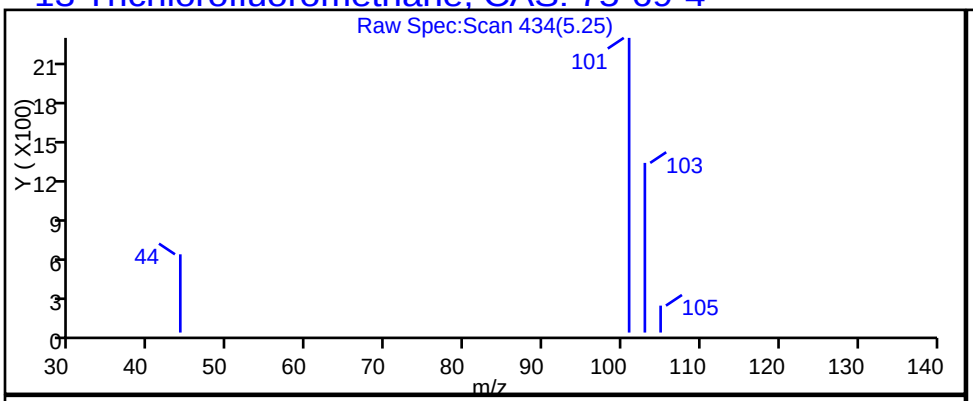
6 Butane, CAS: 106-97-8

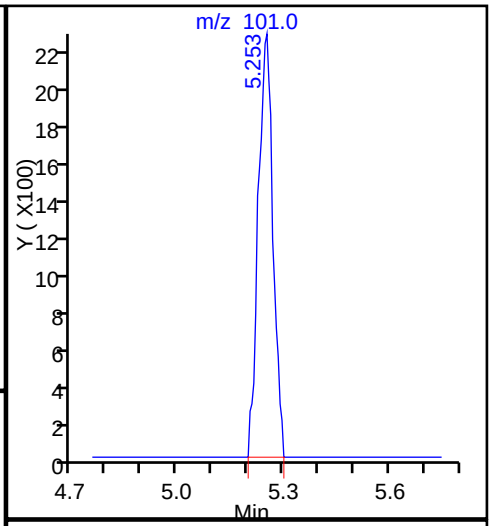


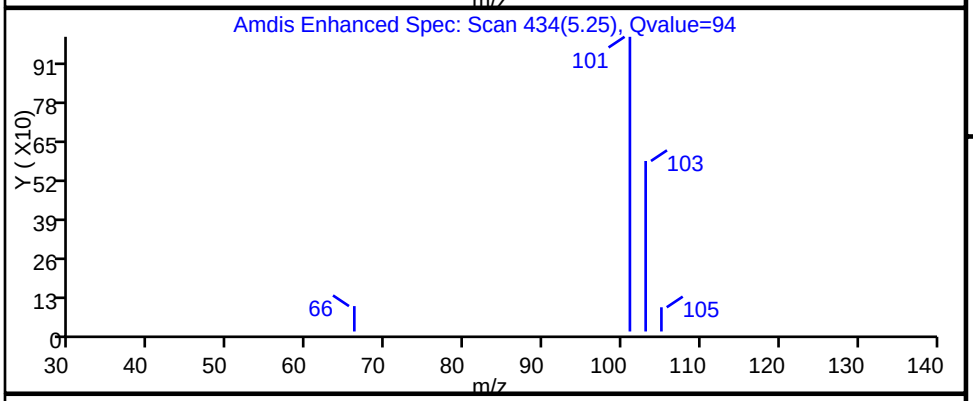
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D

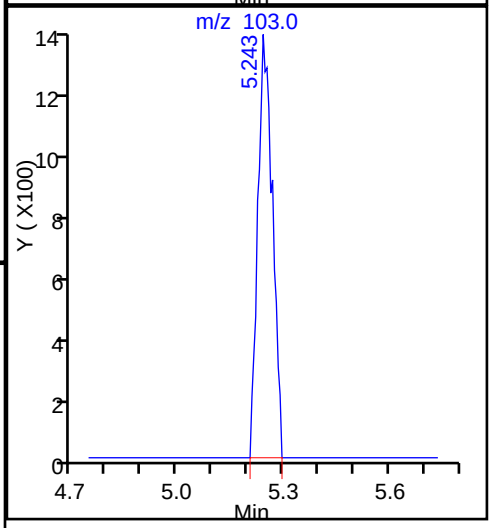
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

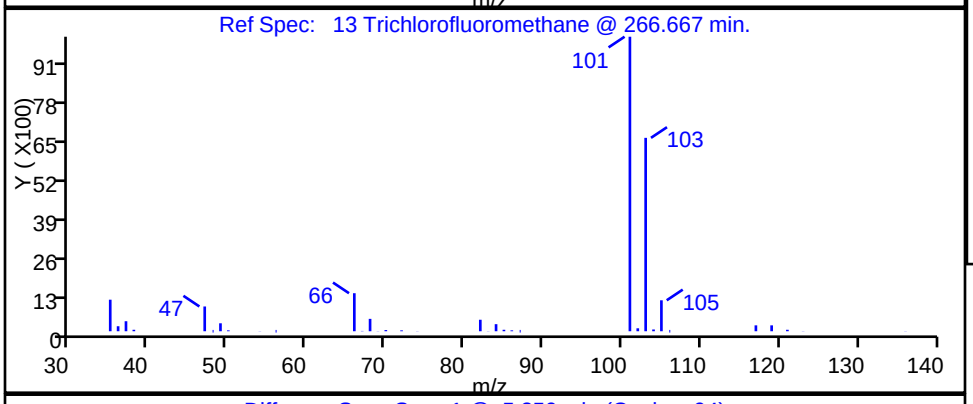
13 Trichlorofluoromethane, CAS: 75-69-4

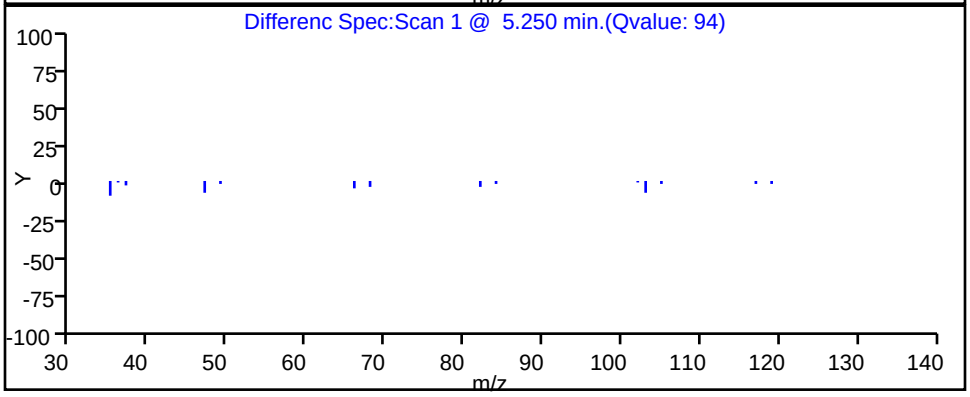








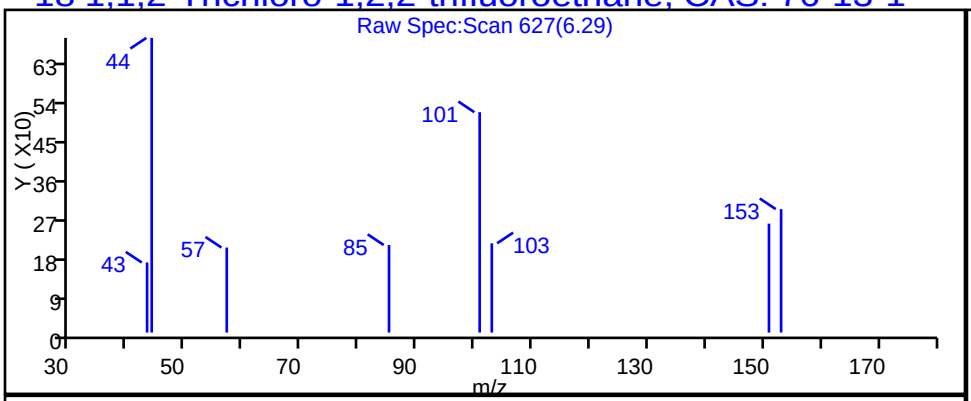


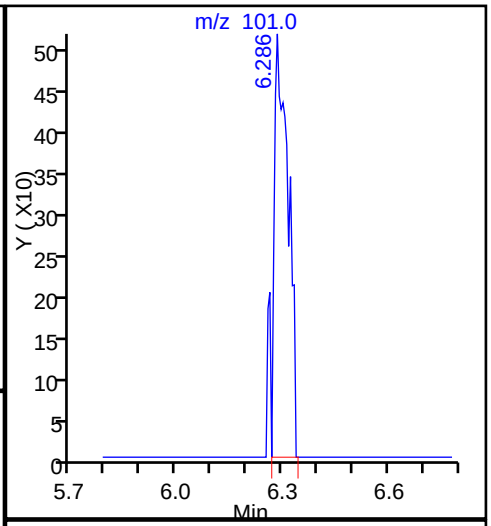


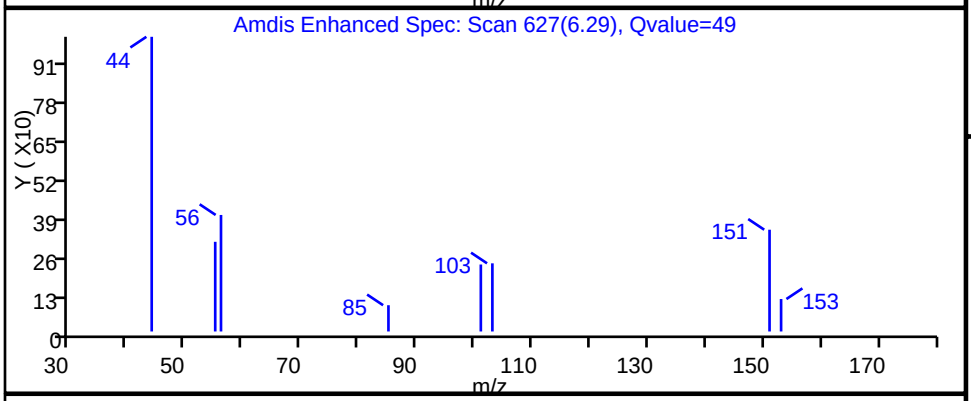
TestAmerica Burlington

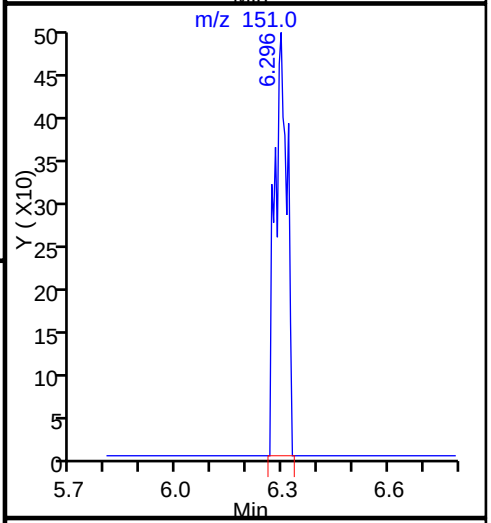
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

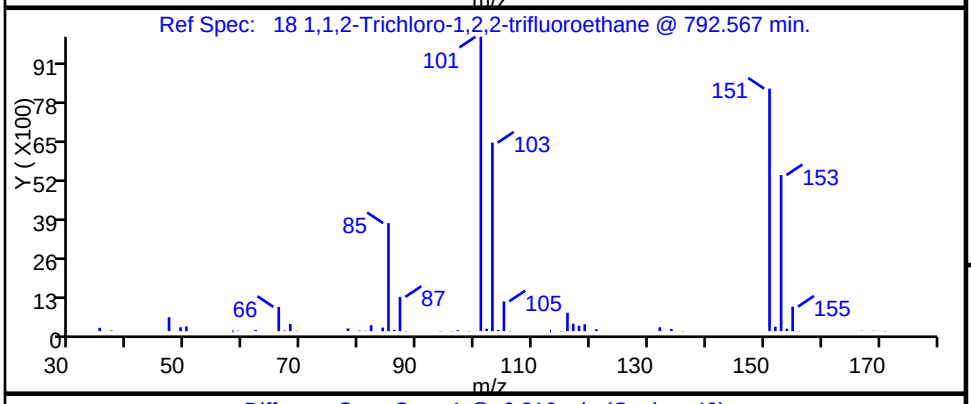
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

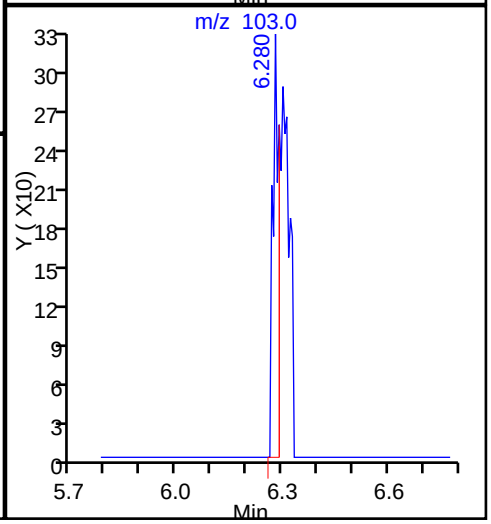


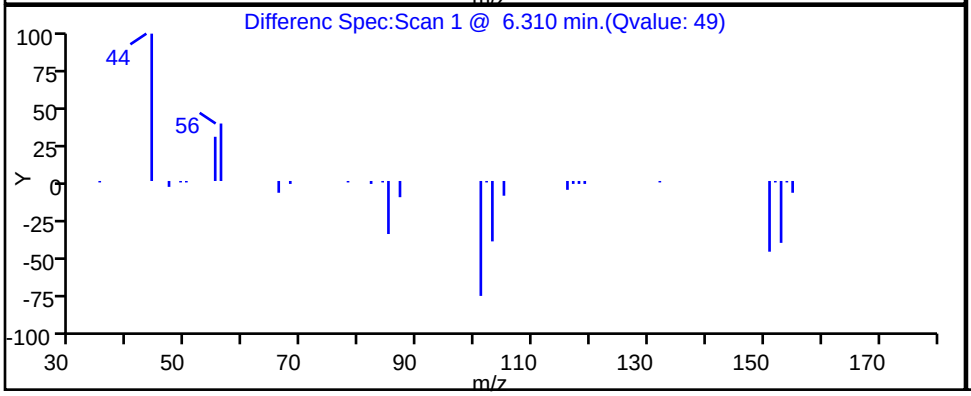








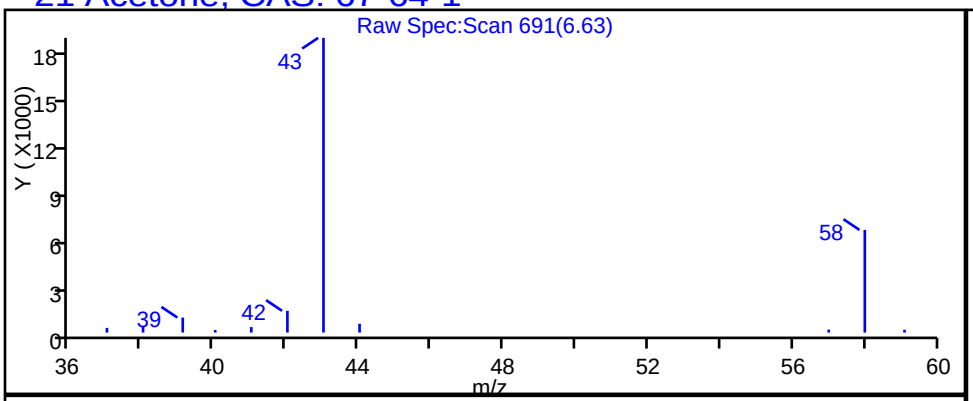


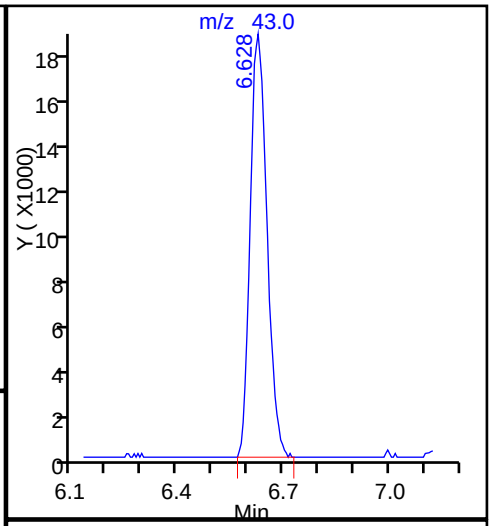


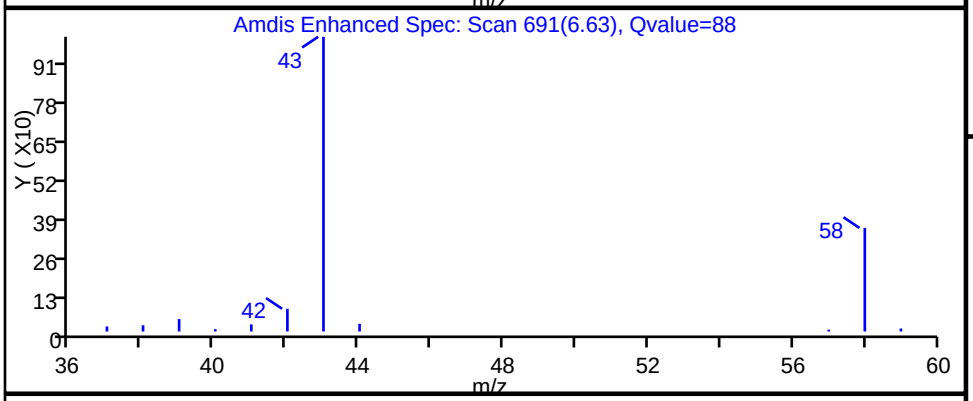
TestAmerica Burlington

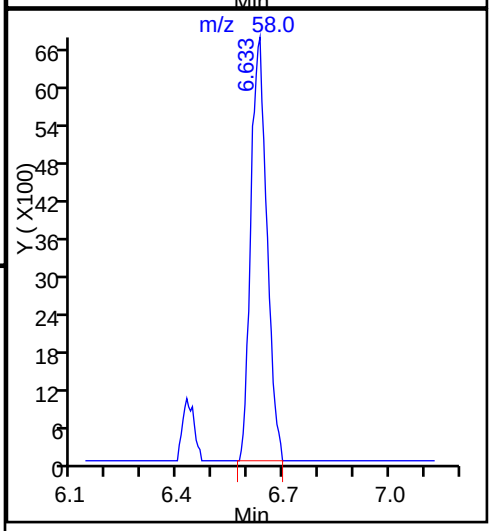
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Injection Date: 05-Sep-2015 02:30:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

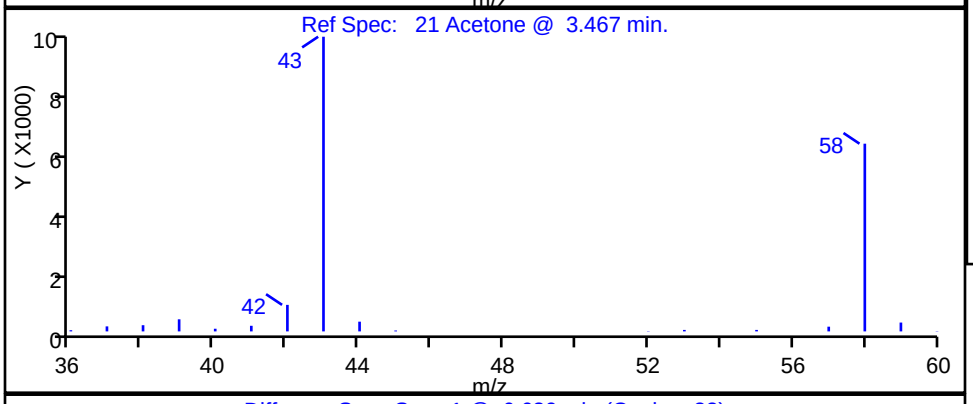
21 Acetone, CAS: 67-64-1

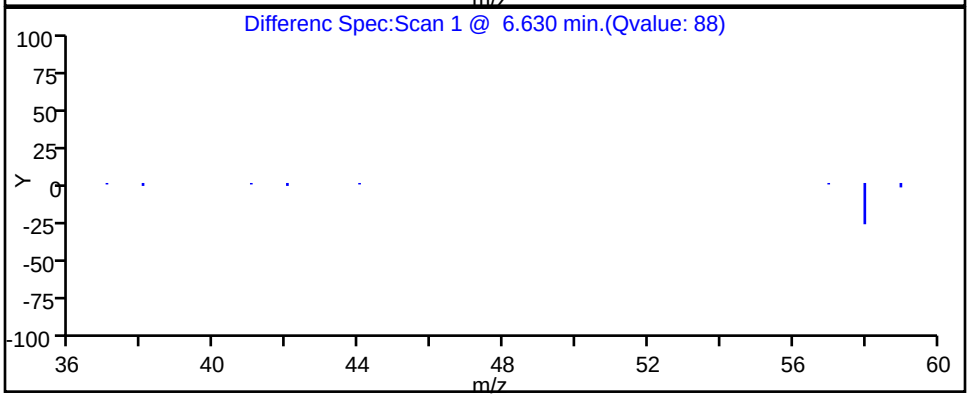








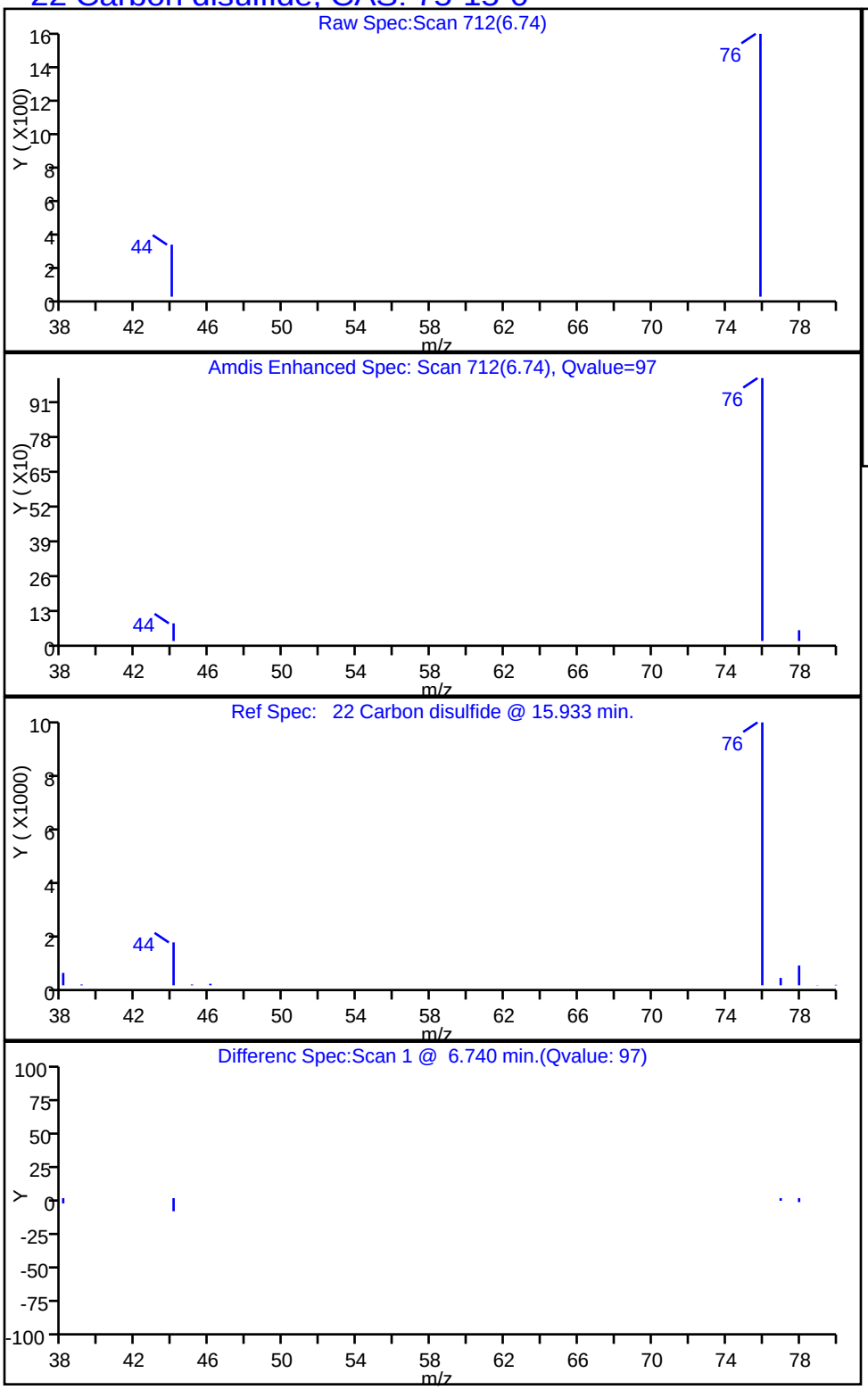


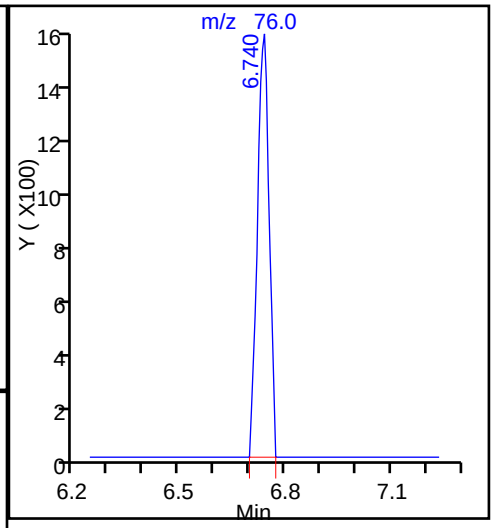


TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Injection Date: 05-Sep-2015 02:30:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Carbon disulfide, CAS: 75-15-0

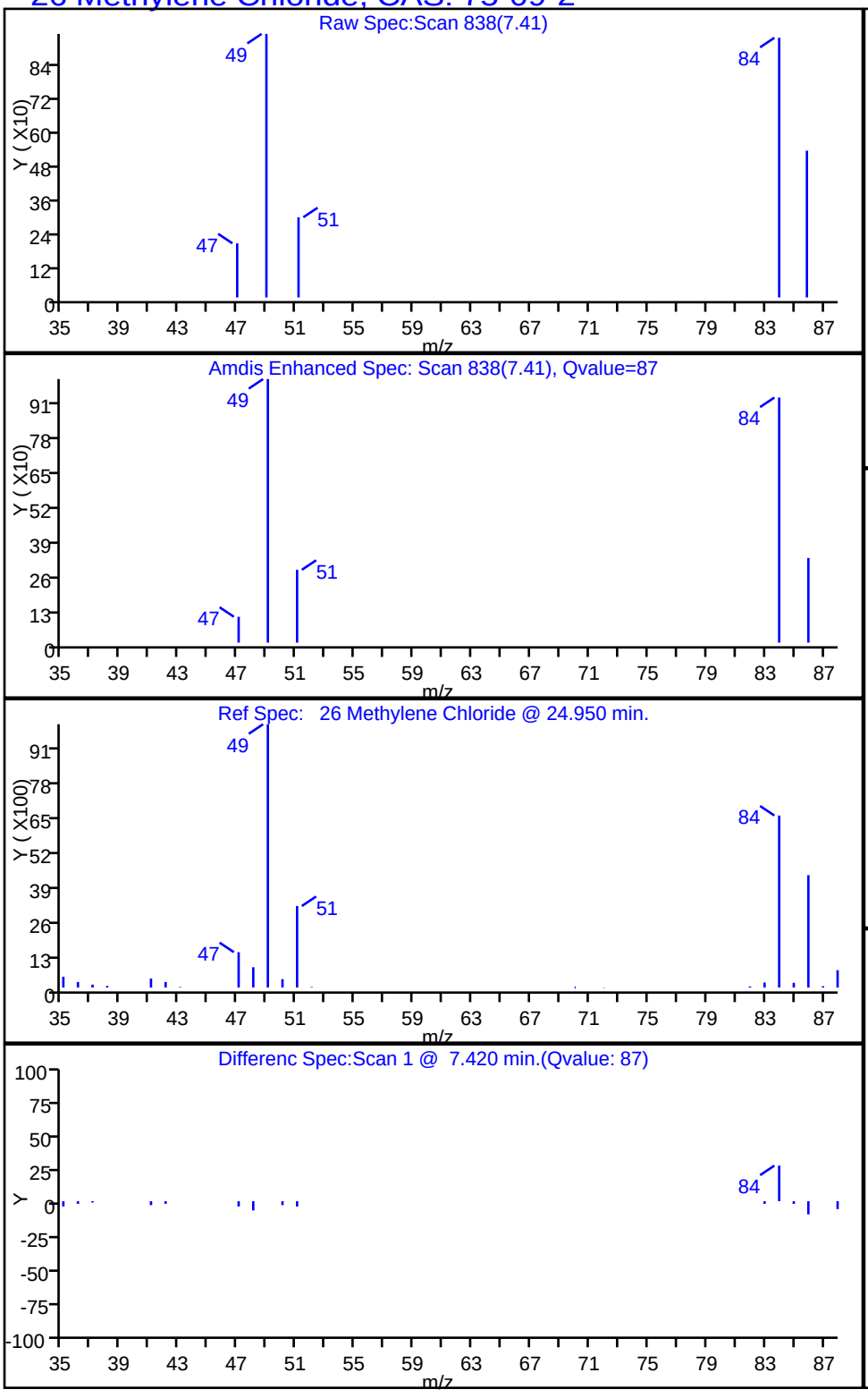


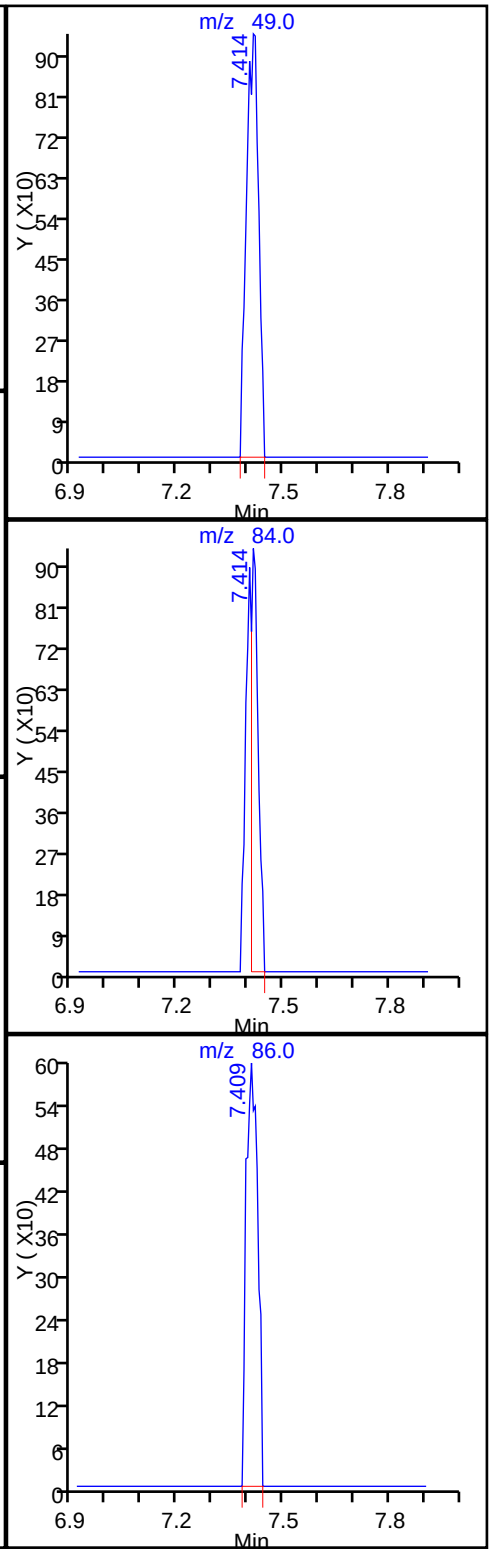


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Methylene Chloride, CAS: 75-09-2

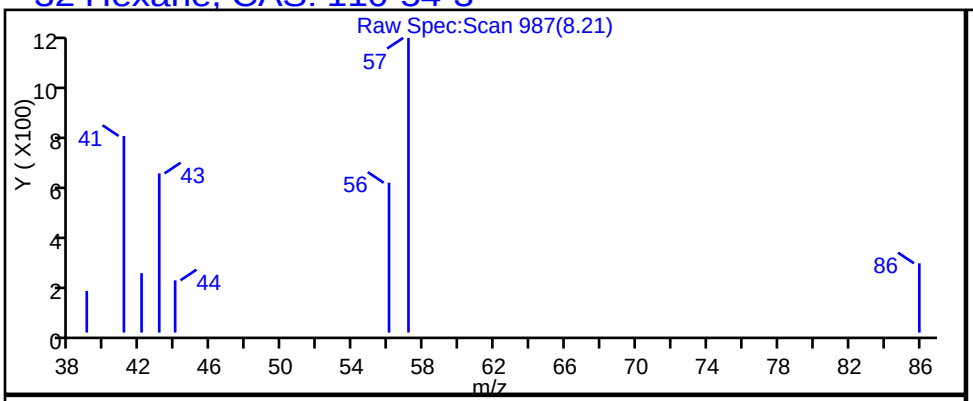


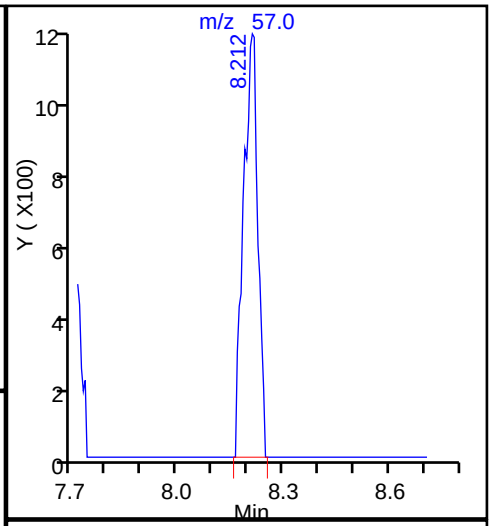


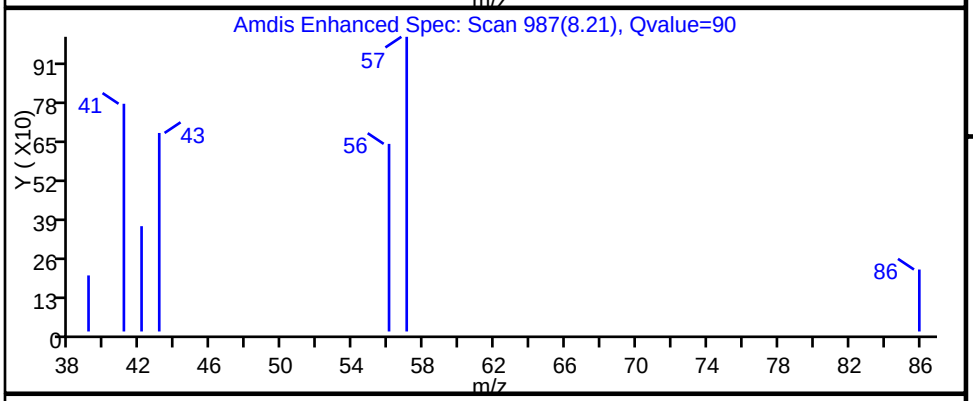
TestAmerica Burlington

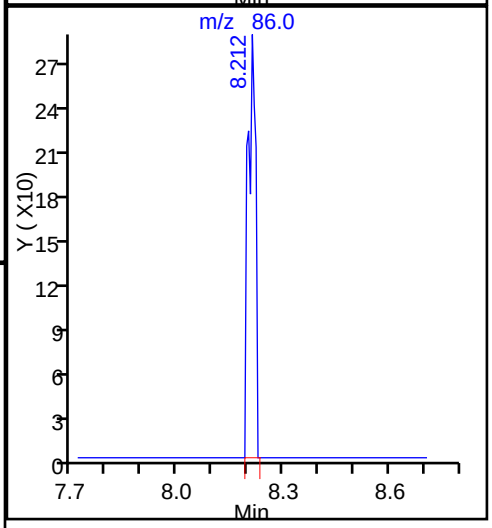
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

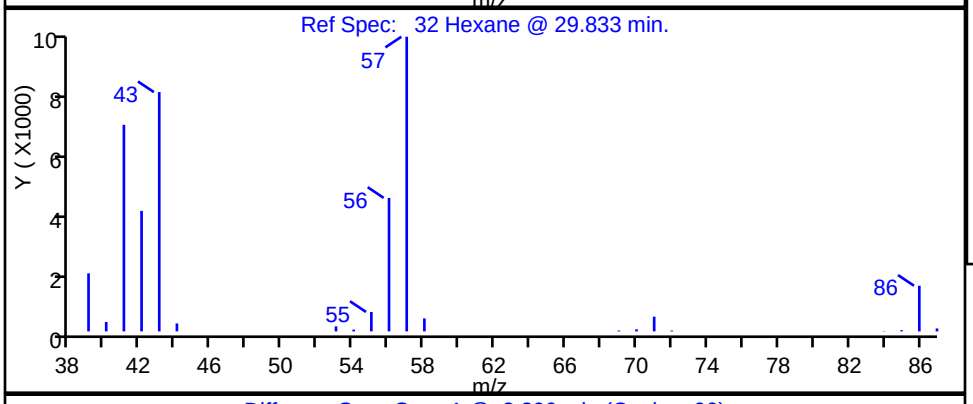
32 Hexane, CAS: 110-54-3

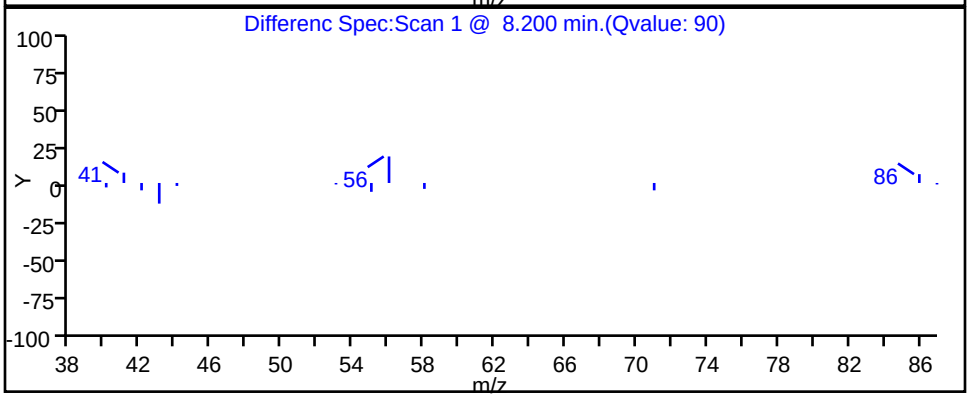








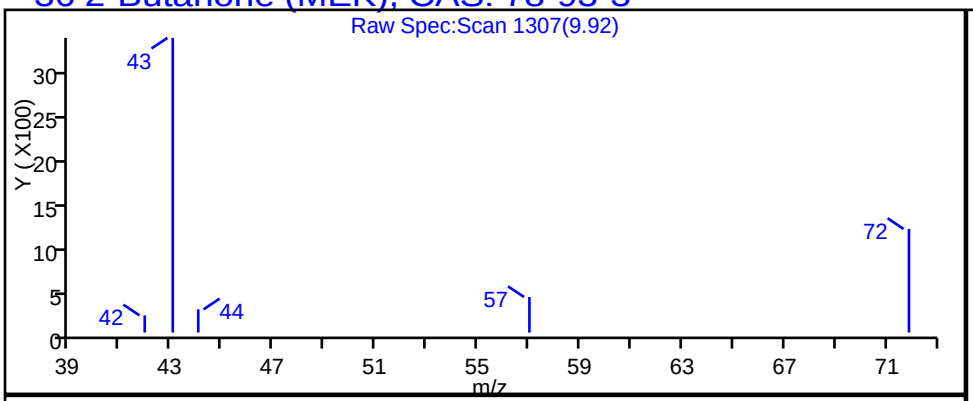


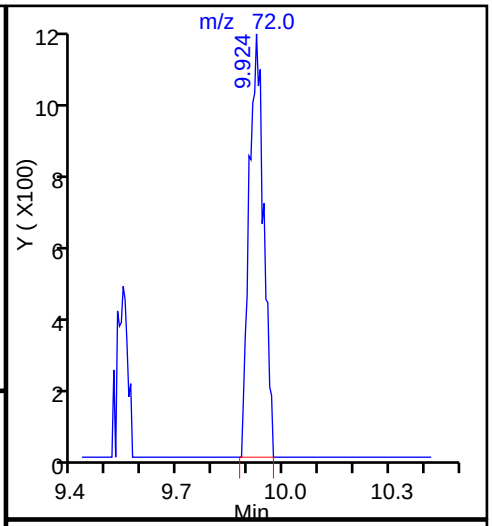


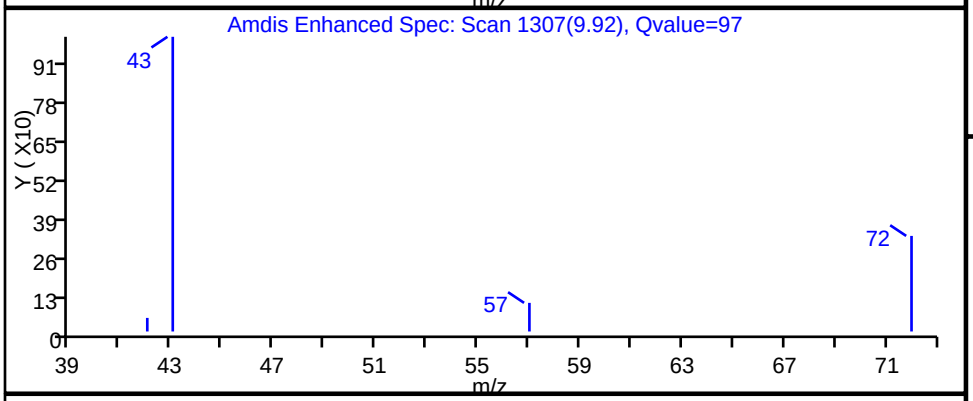
TestAmerica Burlington

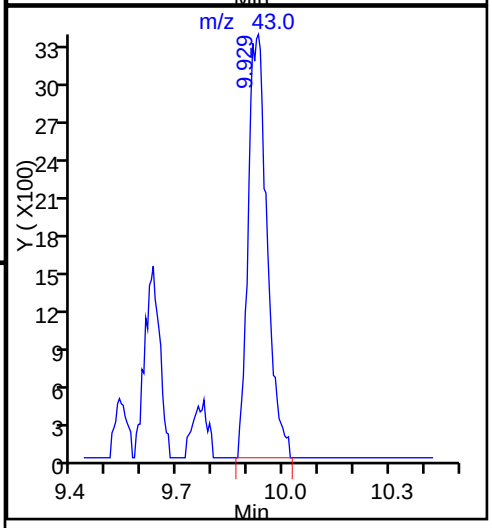
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

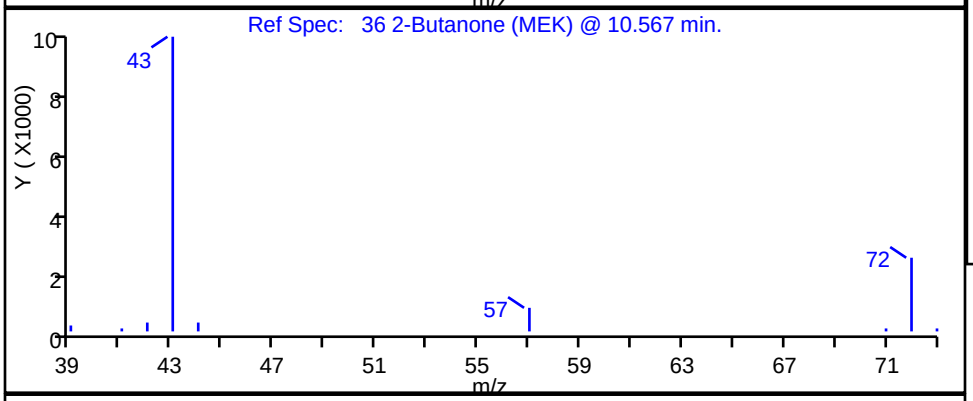
36 2-Butanone (MEK), CAS: 78-93-3

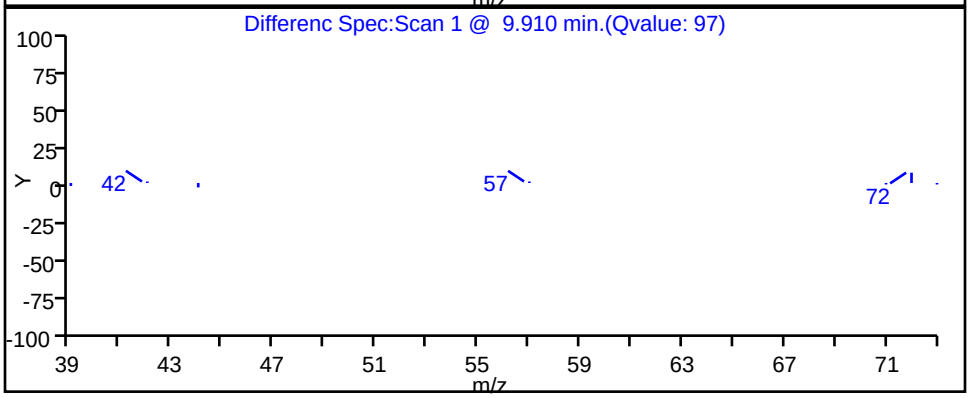








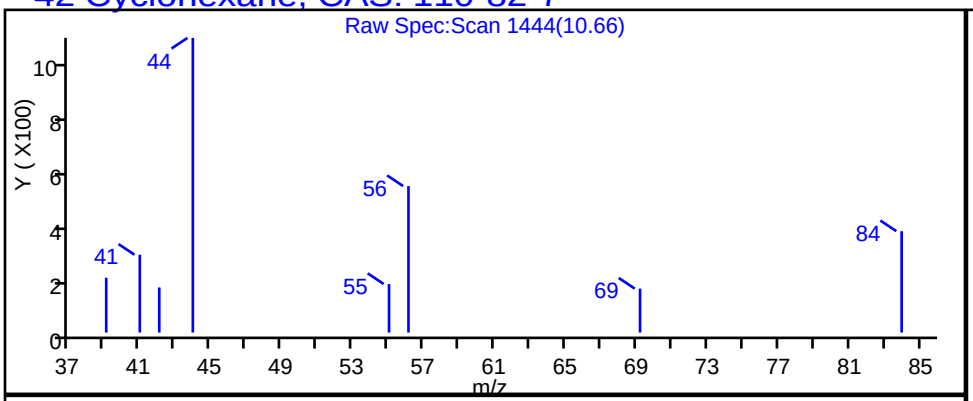


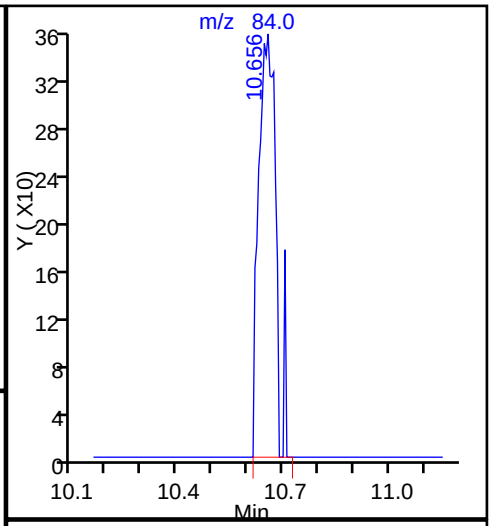


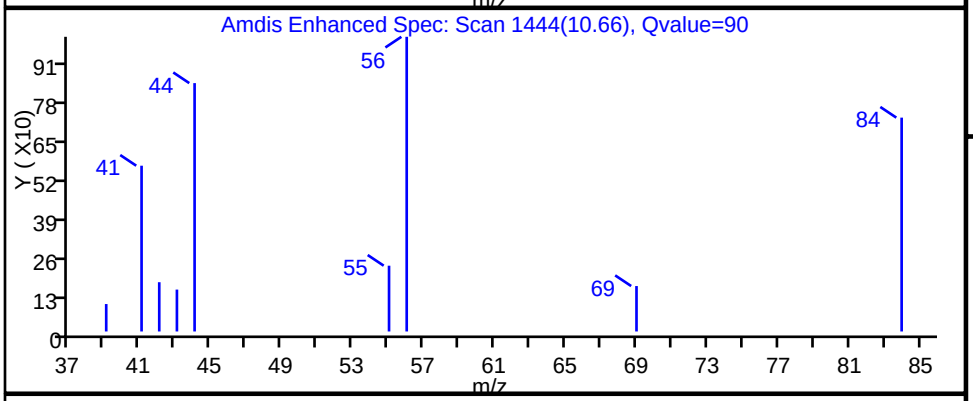
TestAmerica Burlington

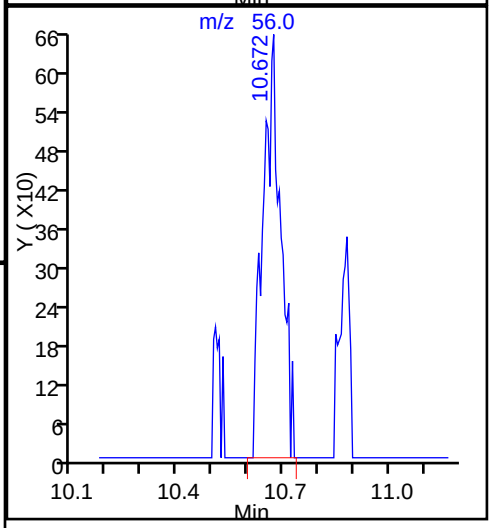
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Injection Date: 05-Sep-2015 02:30:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

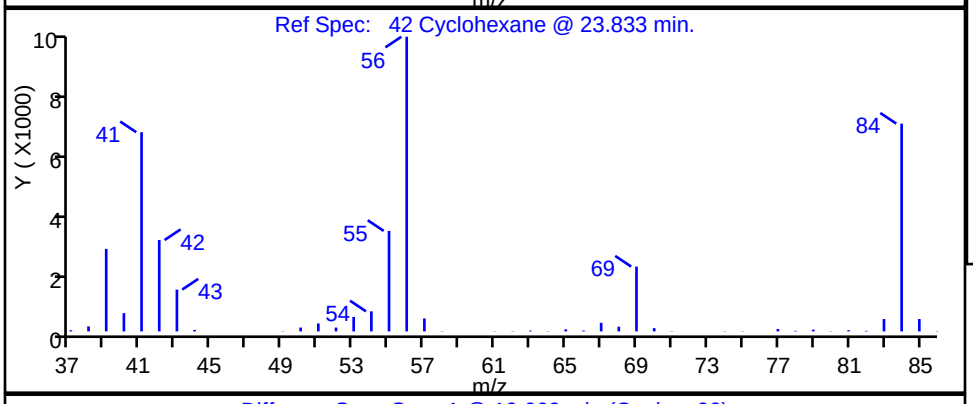
42 Cyclohexane, CAS: 110-82-7

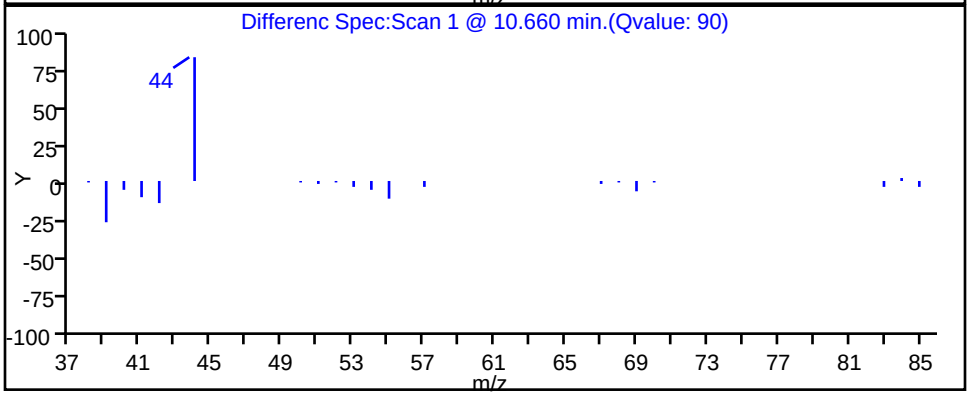








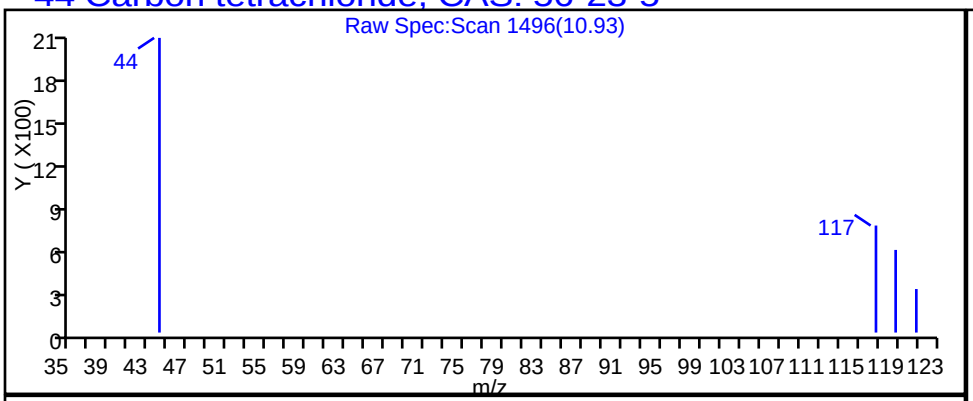


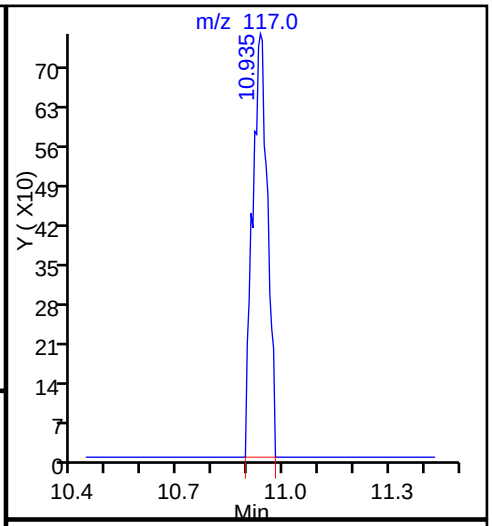


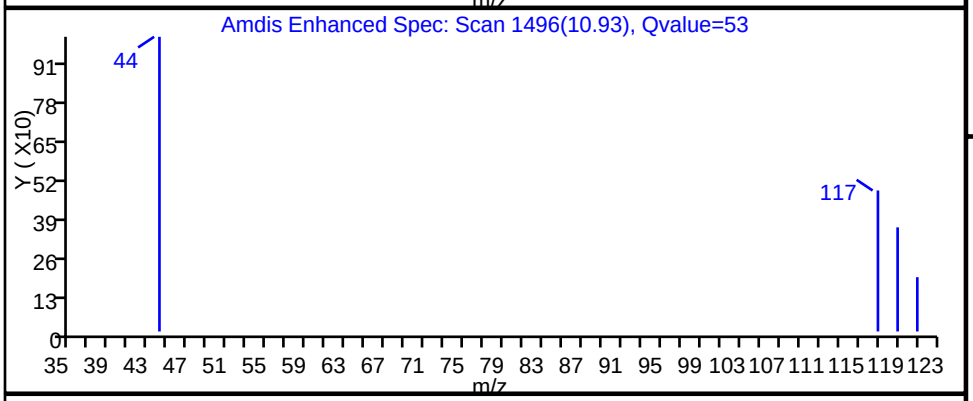
TestAmerica Burlington

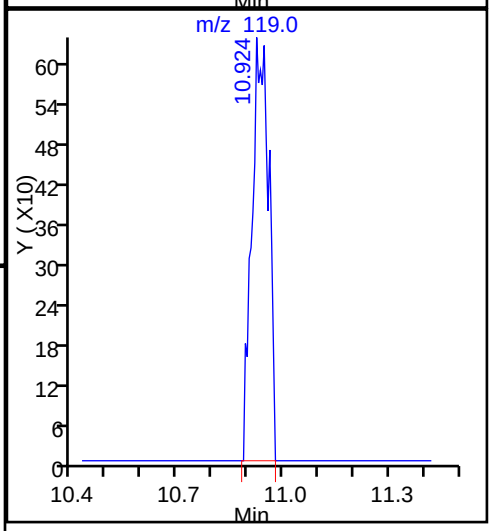
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

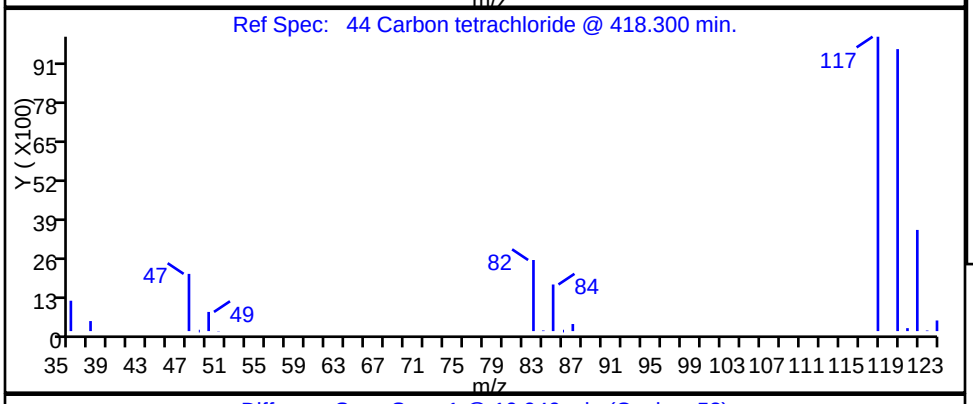
44 Carbon tetrachloride, CAS: 56-23-5

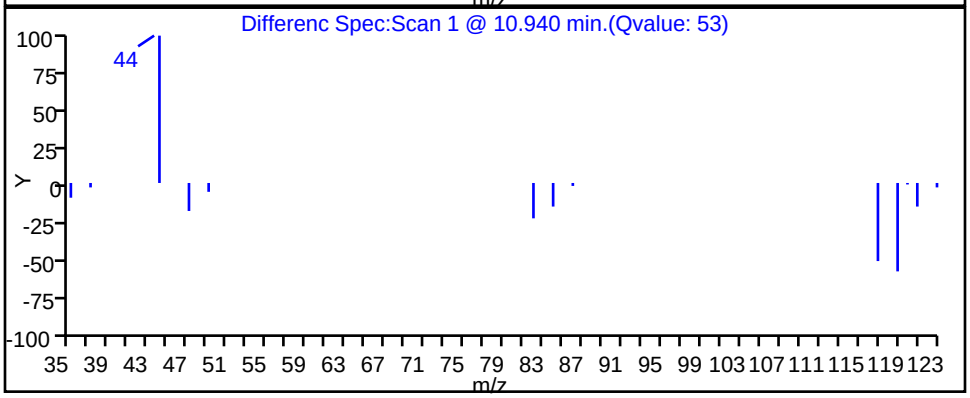








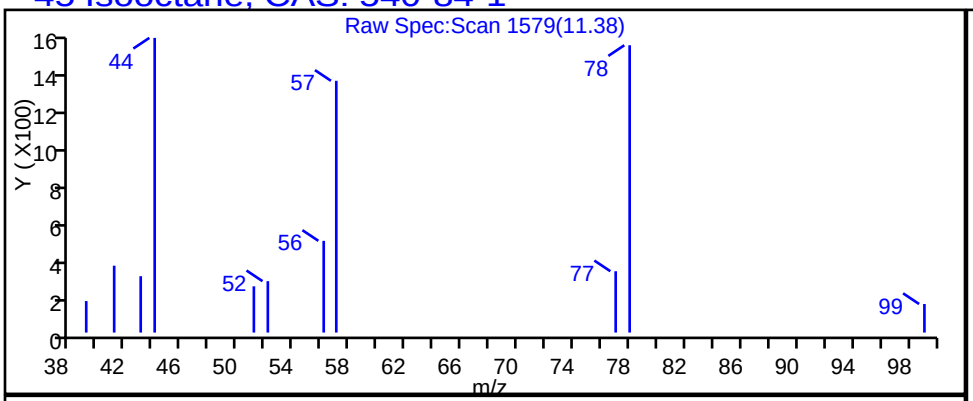


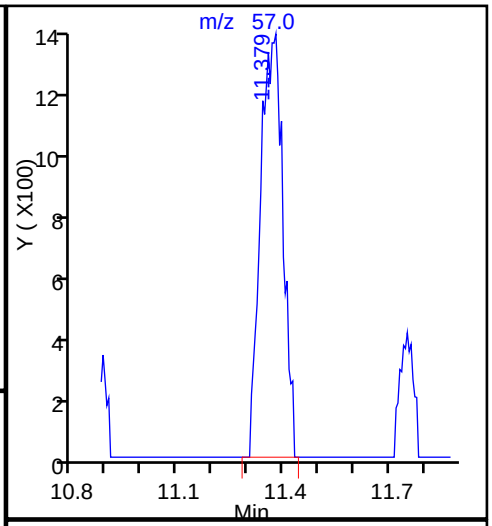


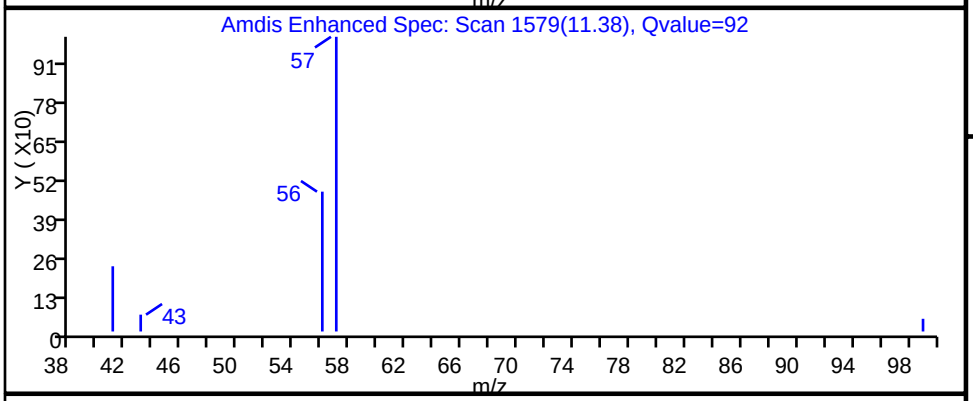
TestAmerica Burlington

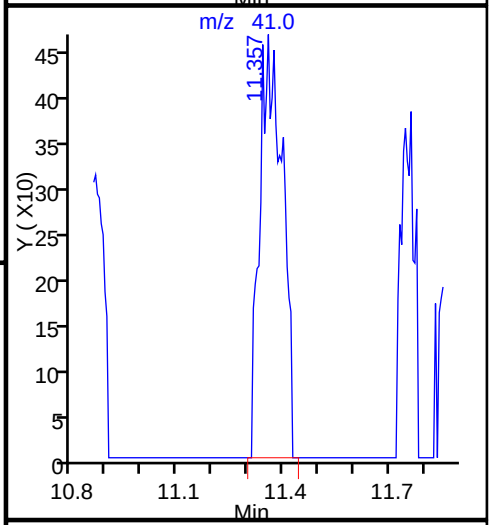
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

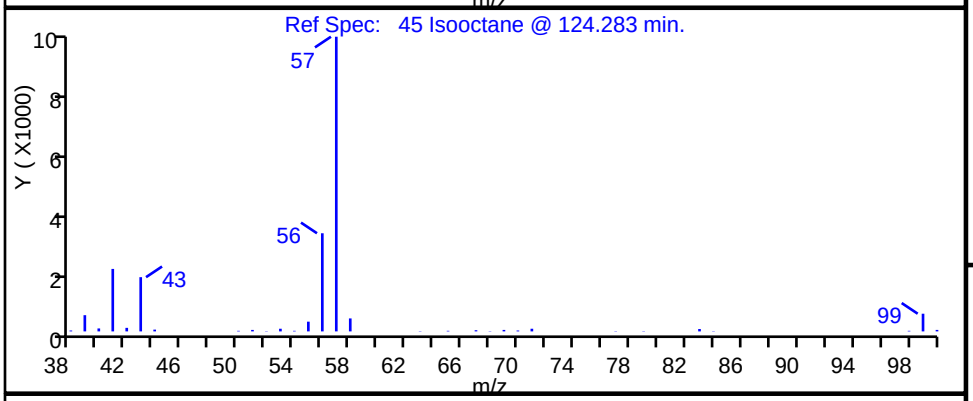
45 Isooctane, CAS: 540-84-1

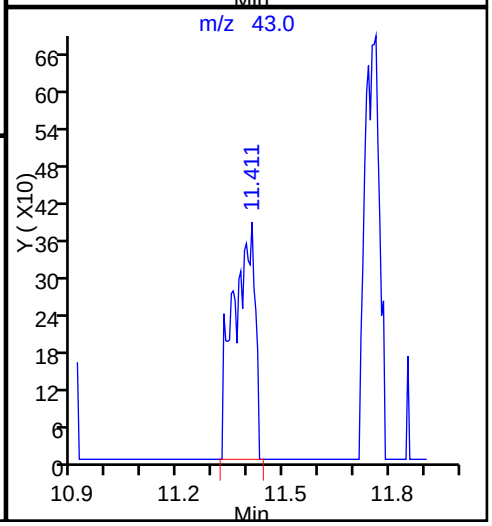


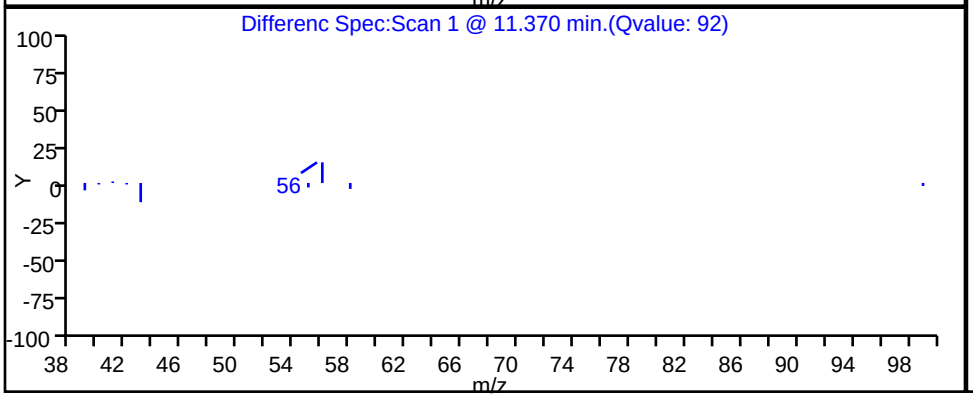








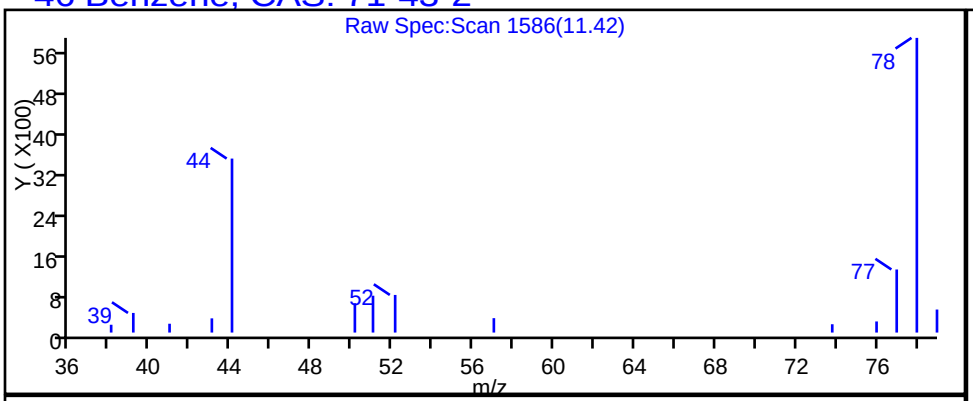


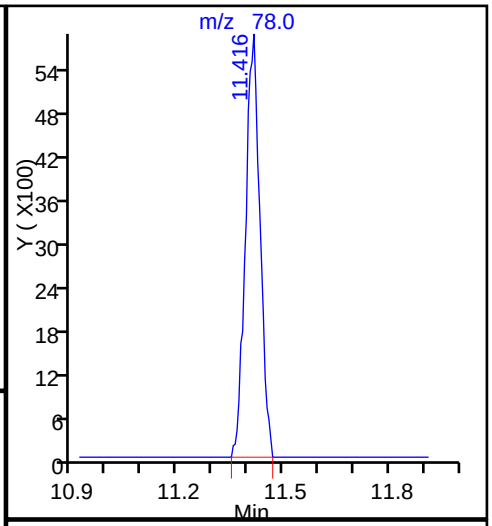


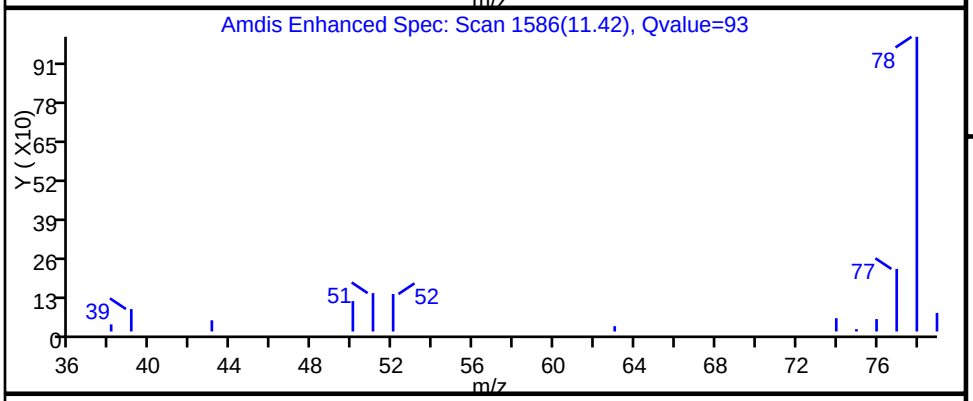
TestAmerica Burlington

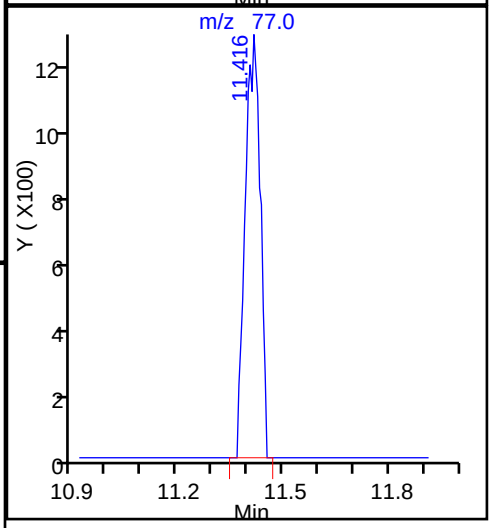
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

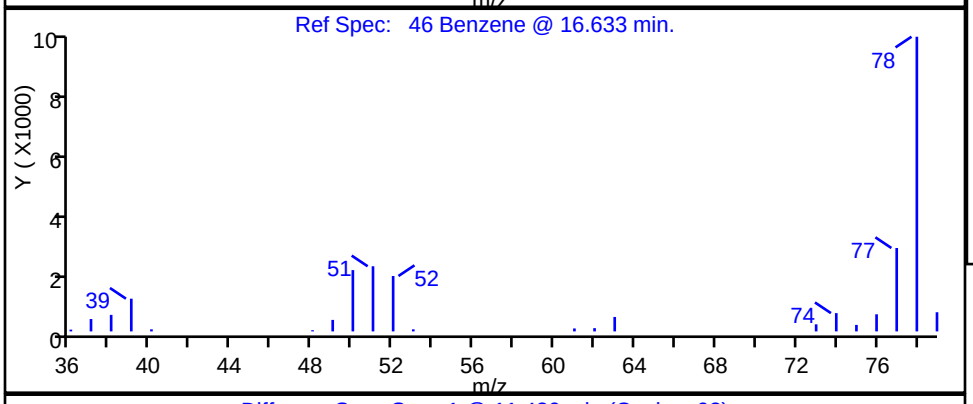
46 Benzene, CAS: 71-43-2

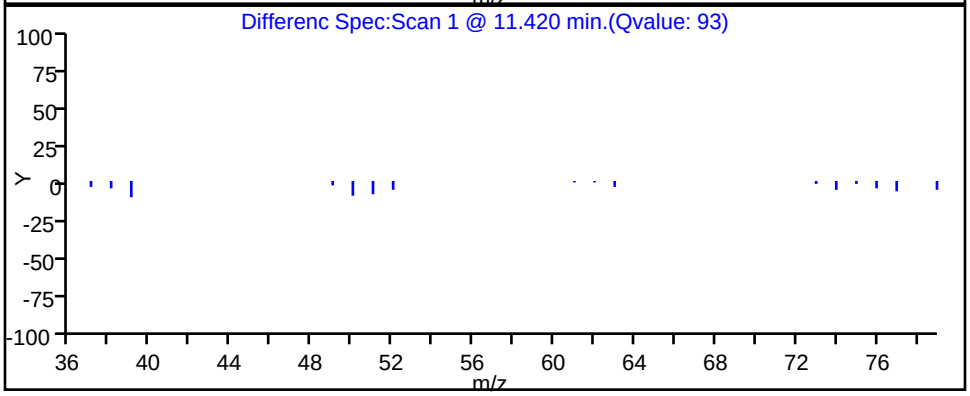








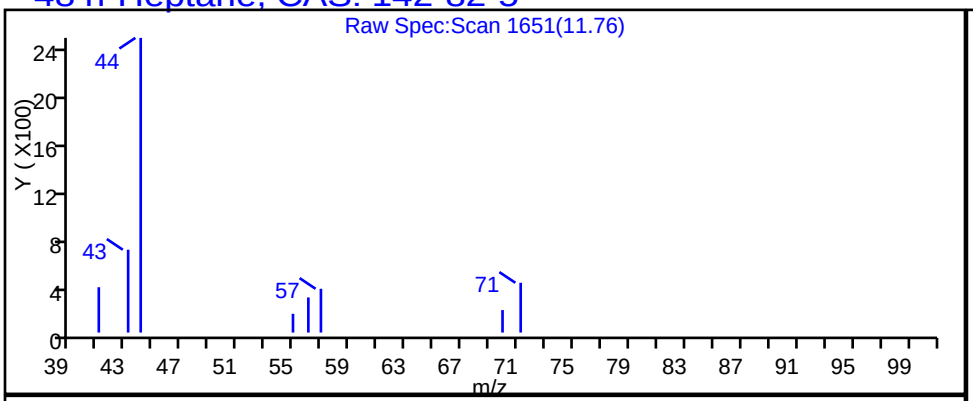


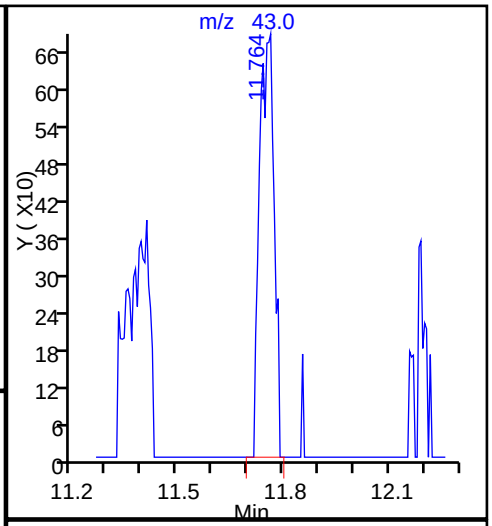


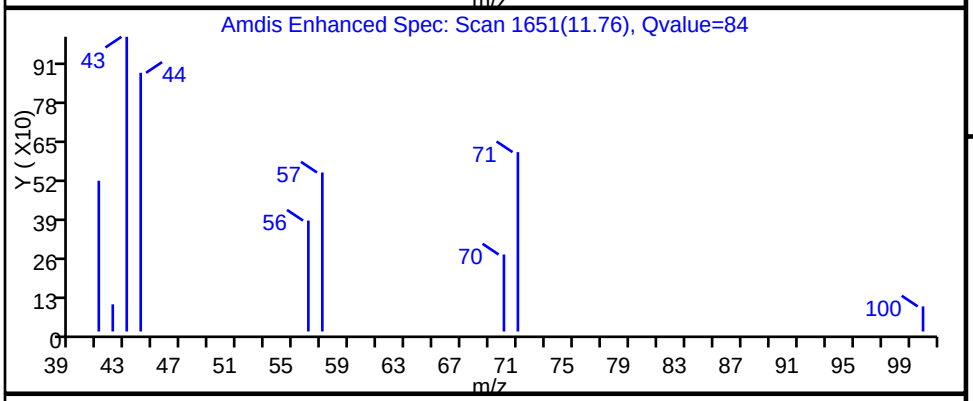
TestAmerica Burlington

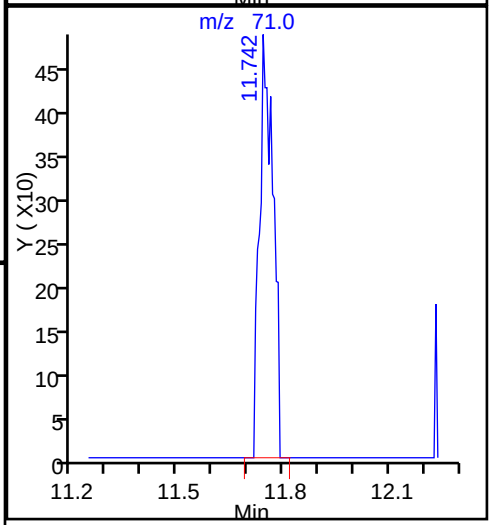
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

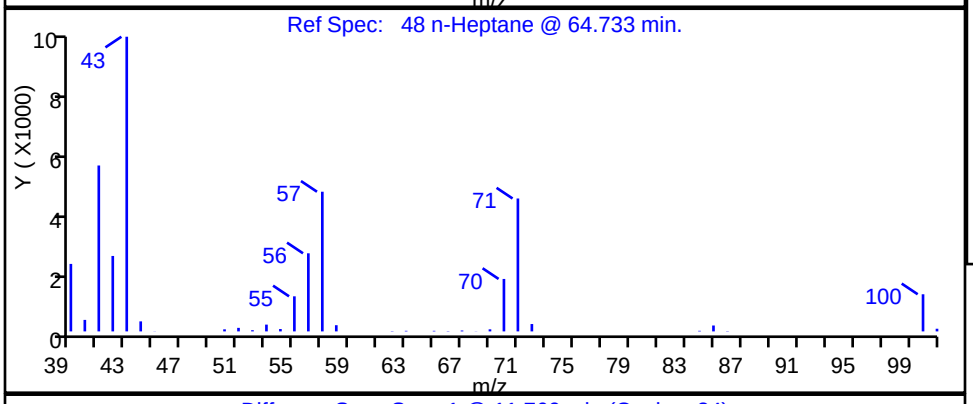
48 n-Heptane, CAS: 142-82-5

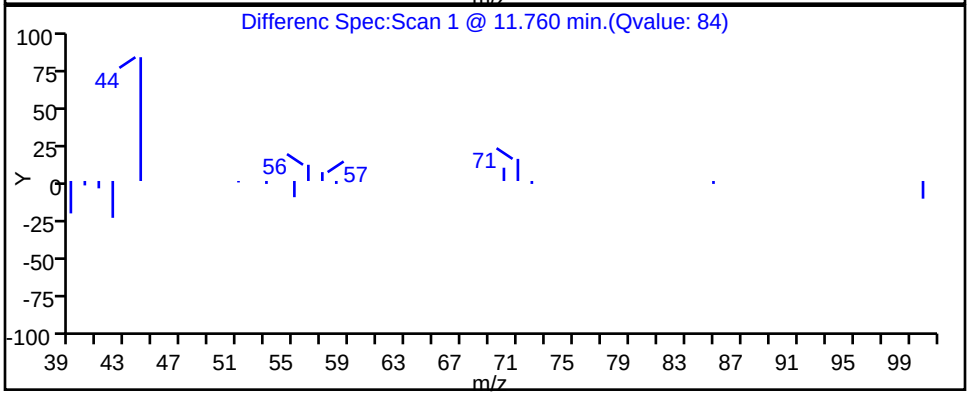








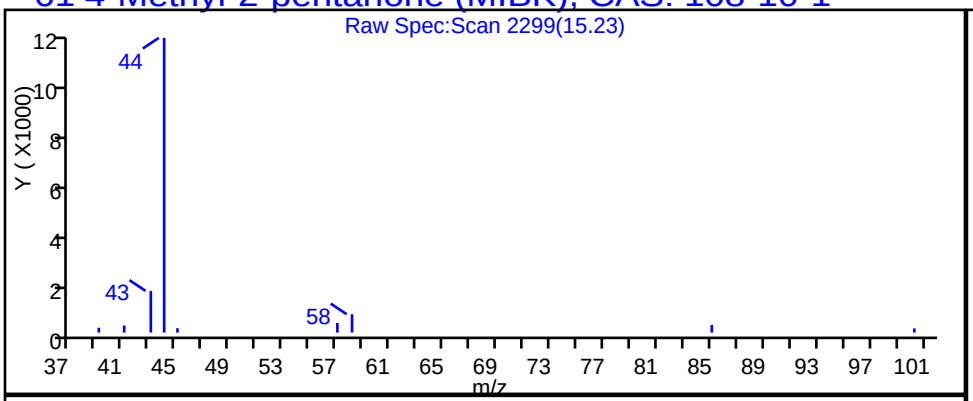


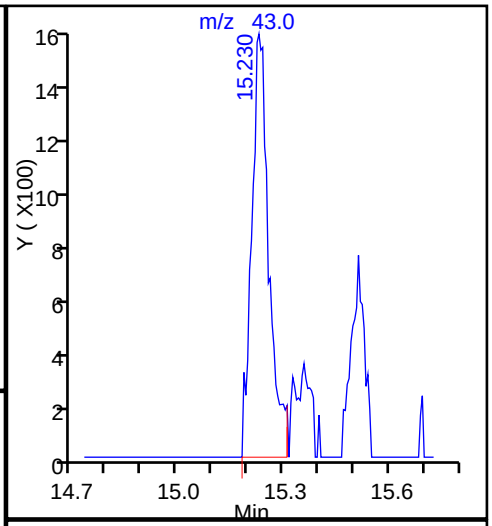


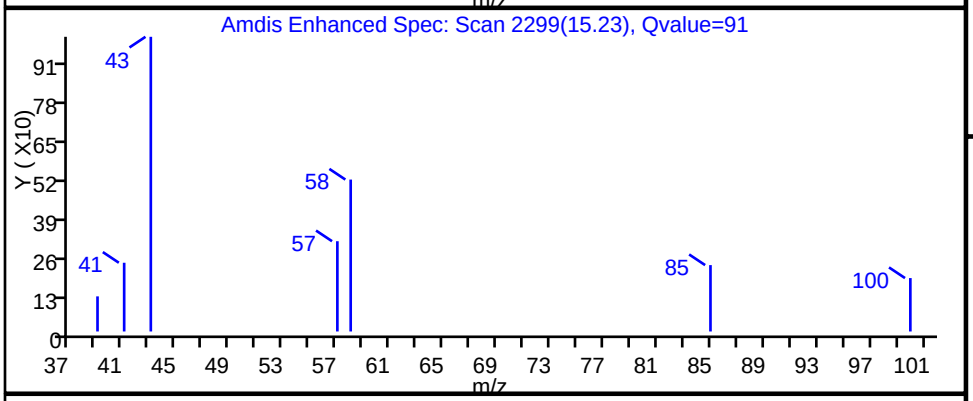
TestAmerica Burlington

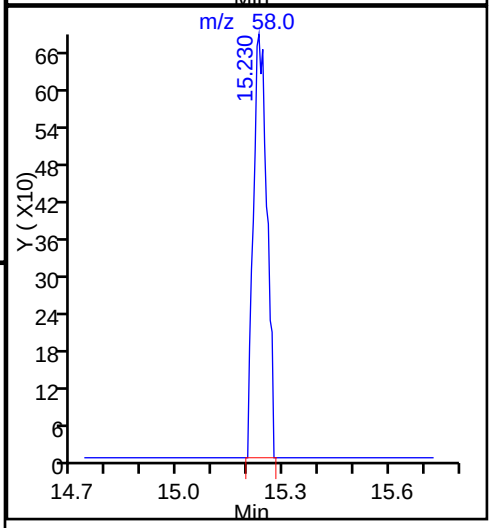
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

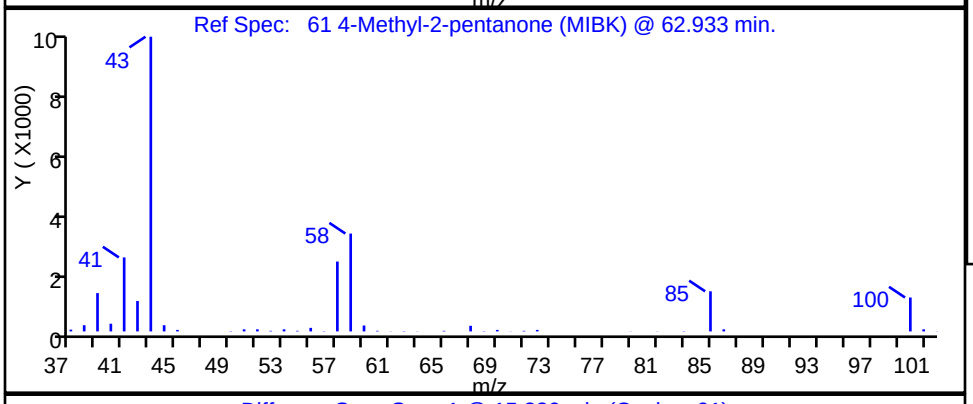
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

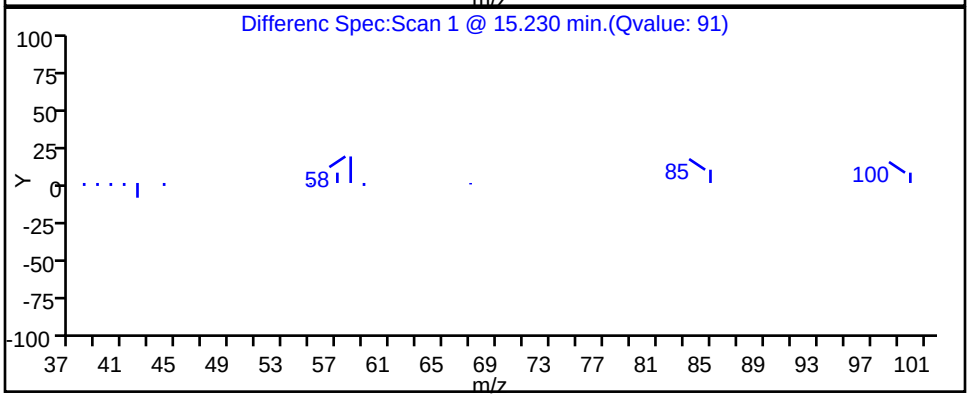








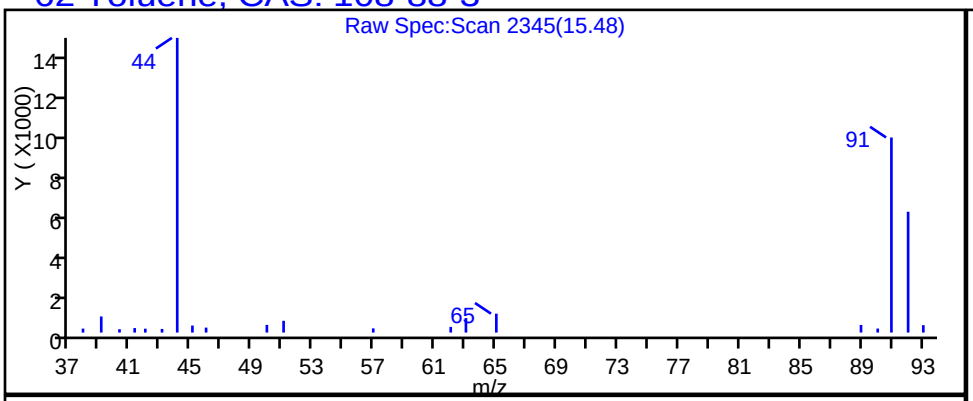


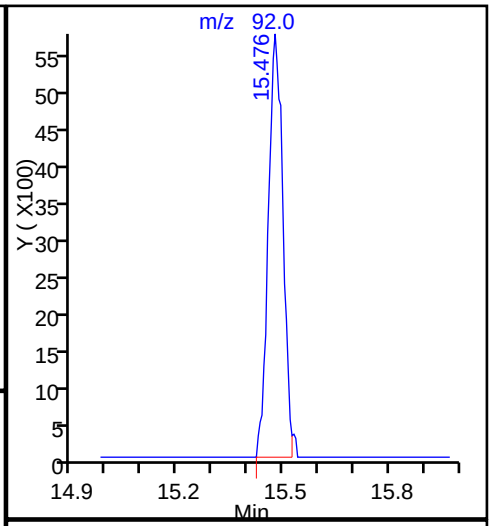


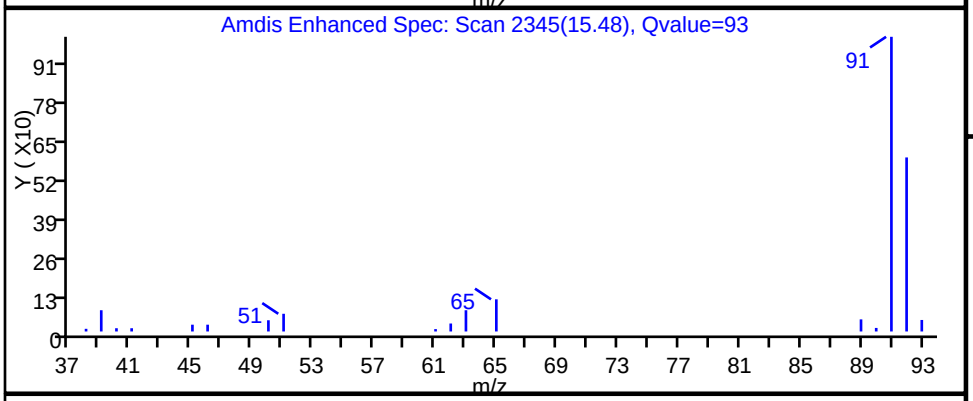
TestAmerica Burlington

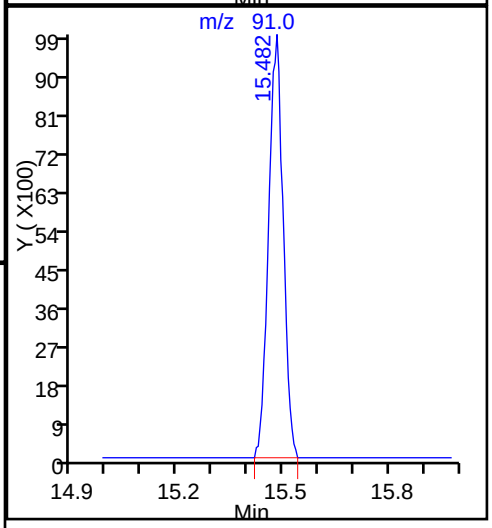
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Injection Date: 05-Sep-2015 02:30:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

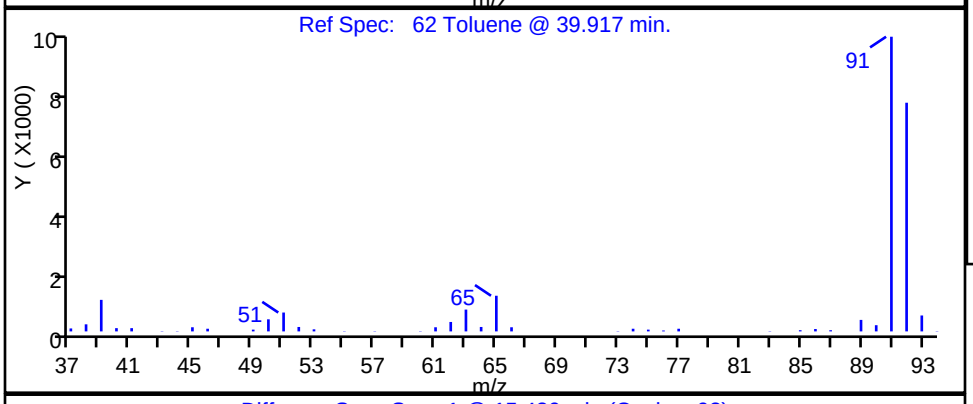
62 Toluene, CAS: 108-88-3

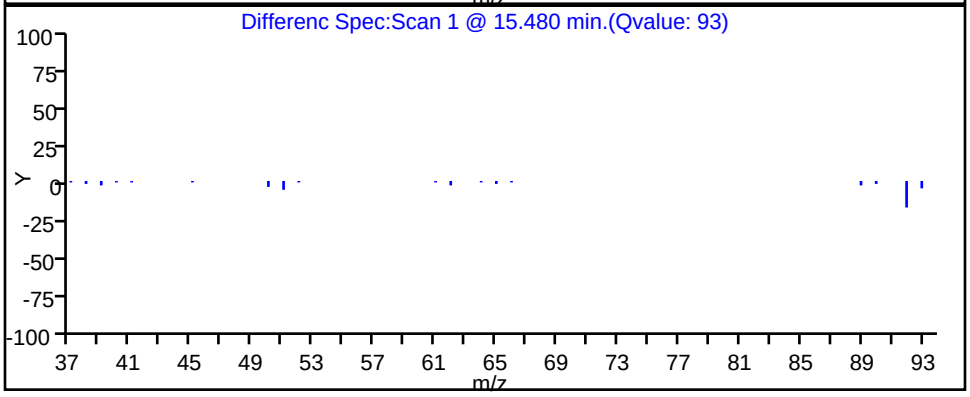








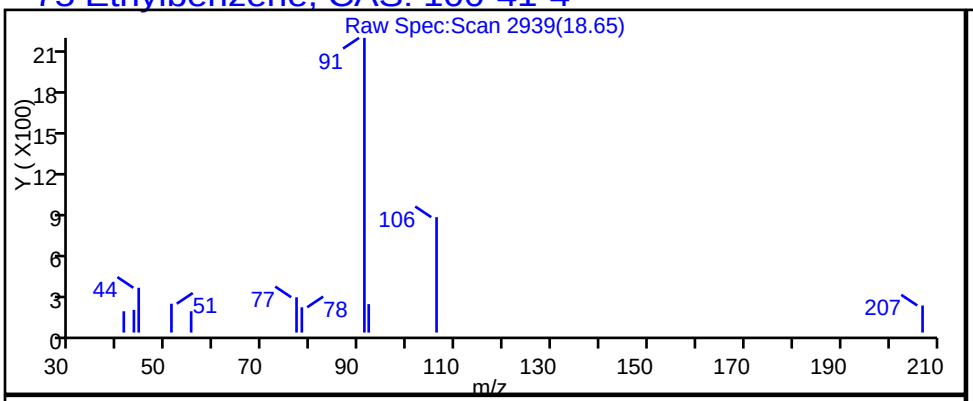


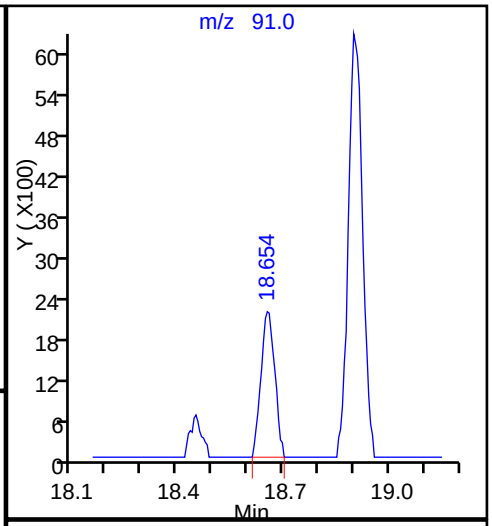


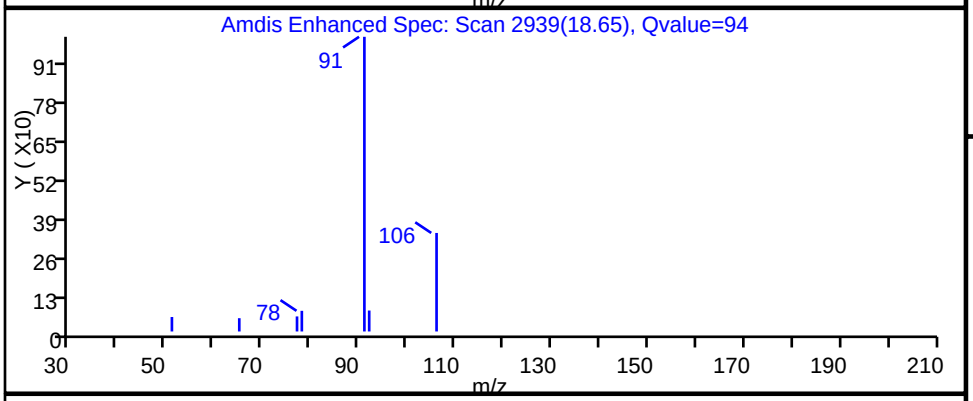
TestAmerica Burlington

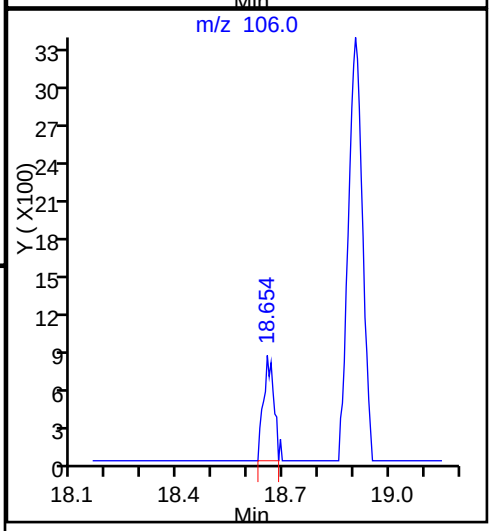
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

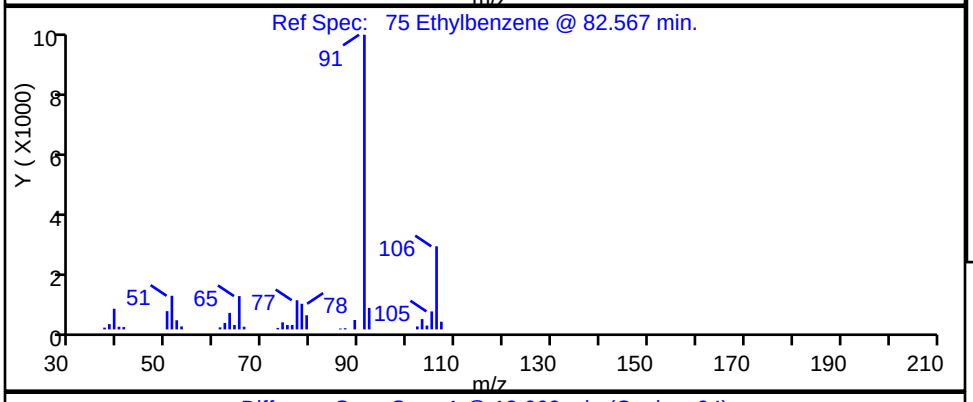
75 Ethylbenzene, CAS: 100-41-4

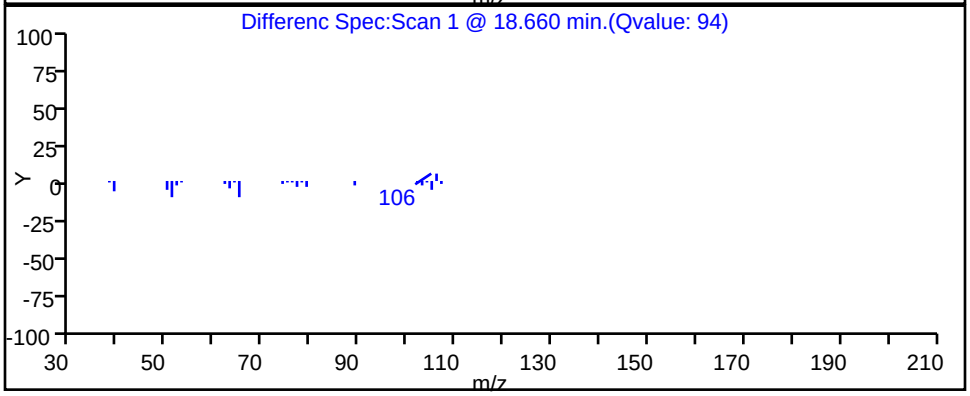








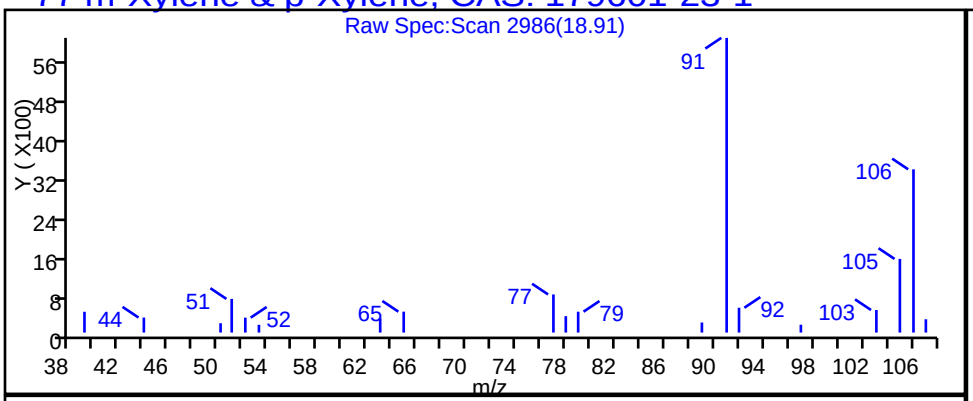


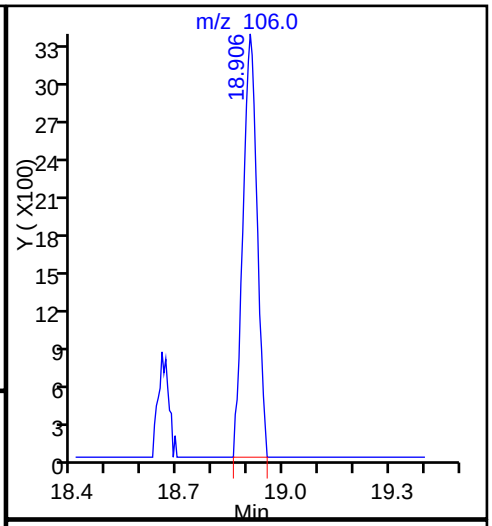


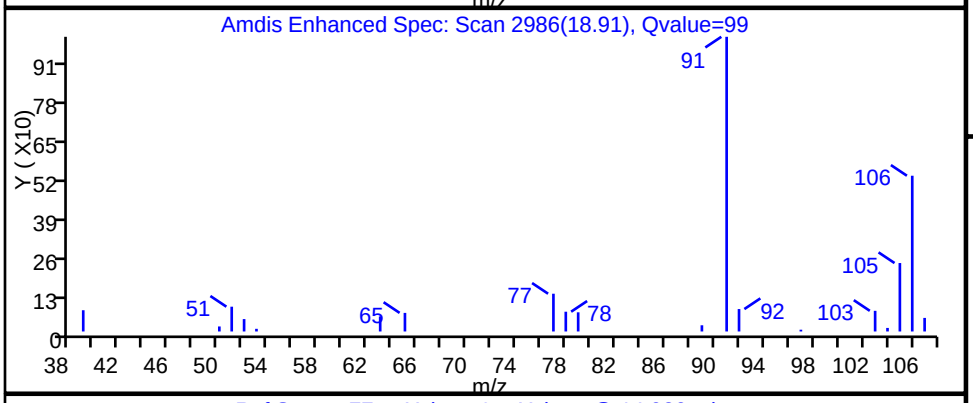
TestAmerica Burlington

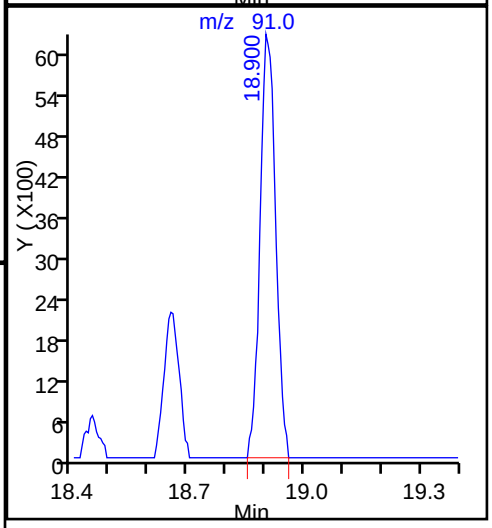
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

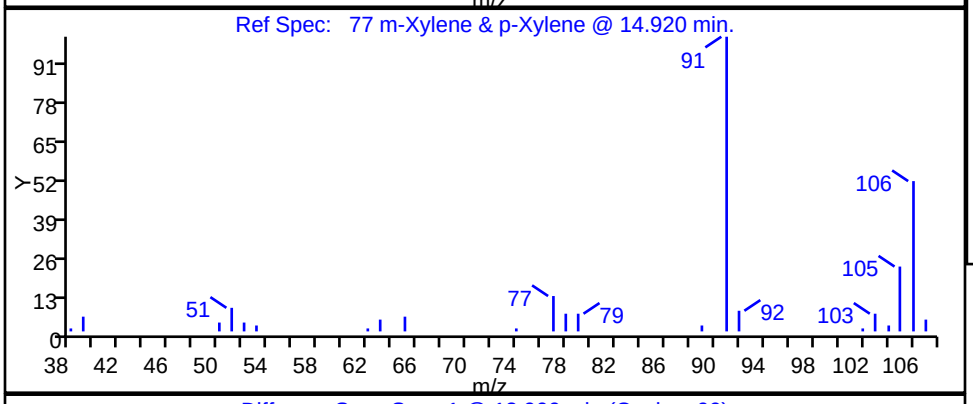
77 m-Xylene & p-Xylene, CAS: 179601-23-1

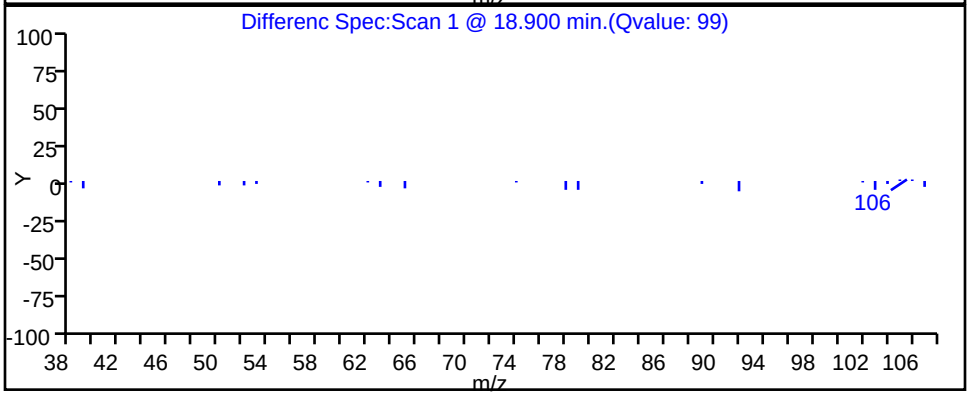








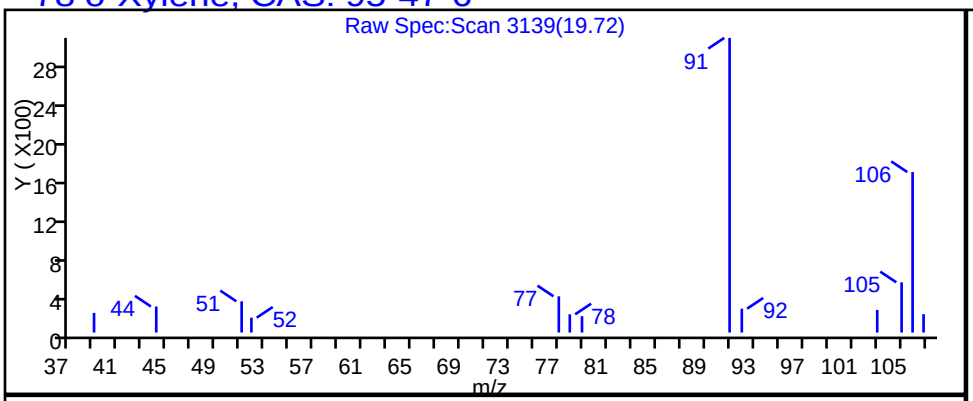


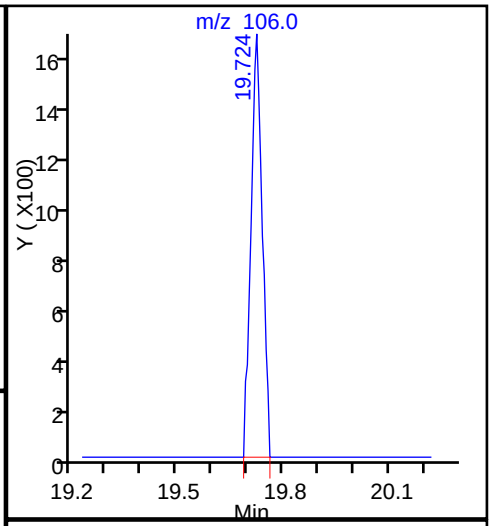


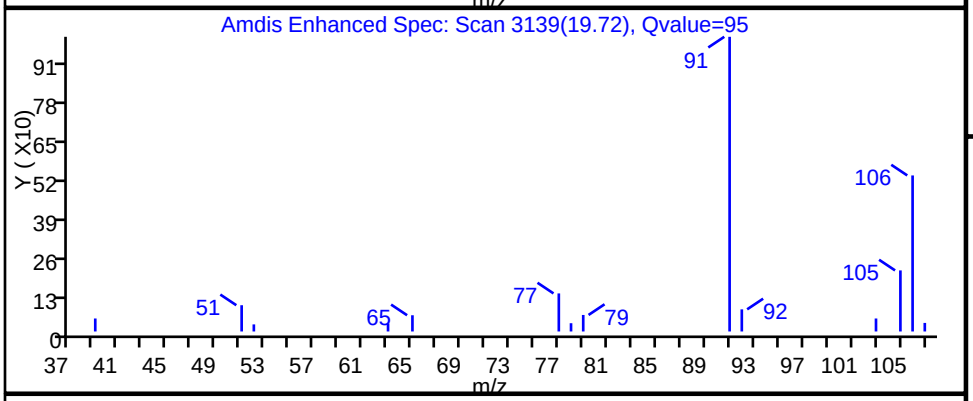
TestAmerica Burlington

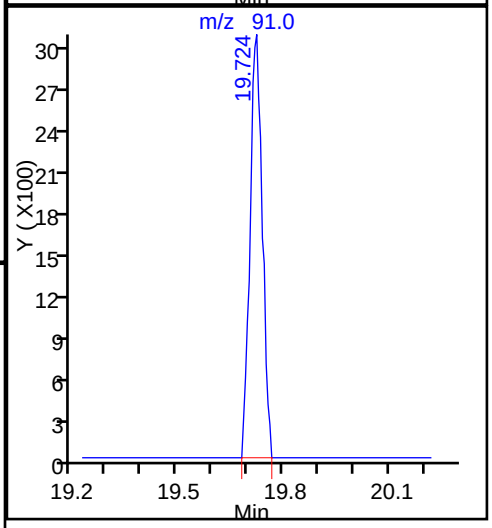
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

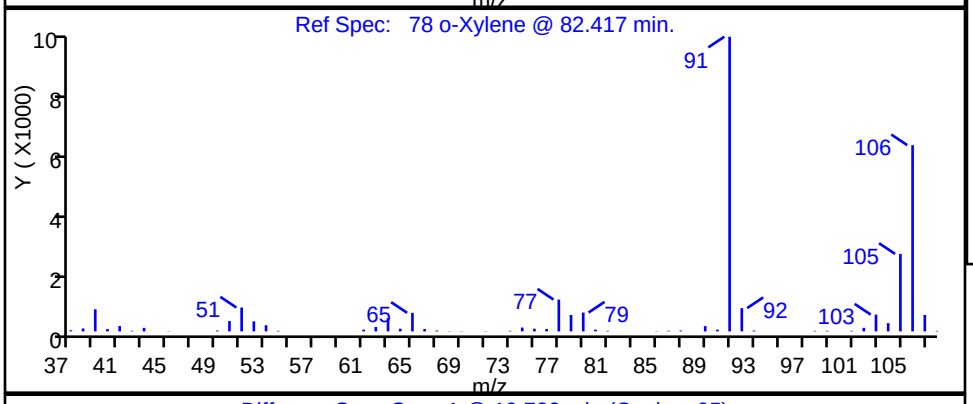
78 o-Xylene, CAS: 95-47-6

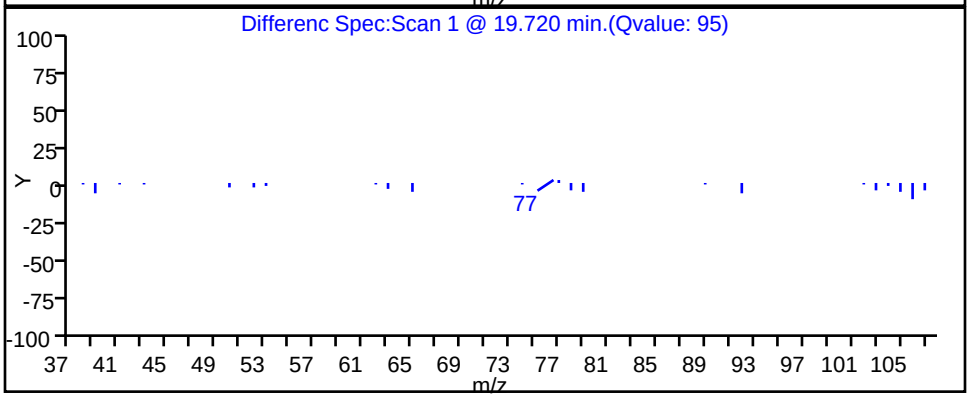








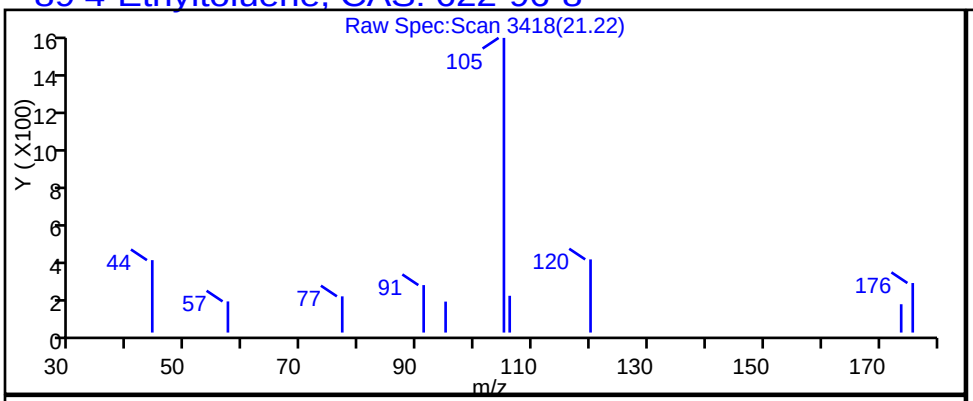


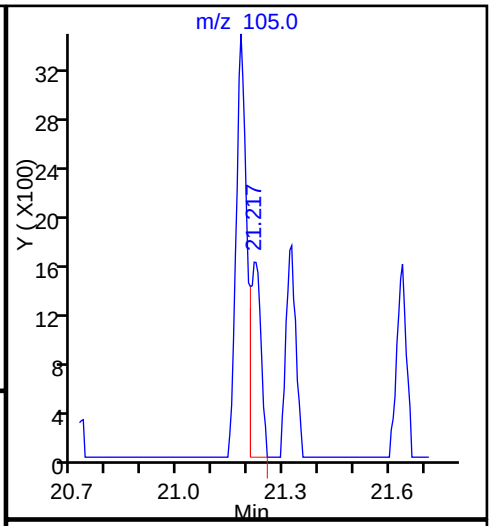


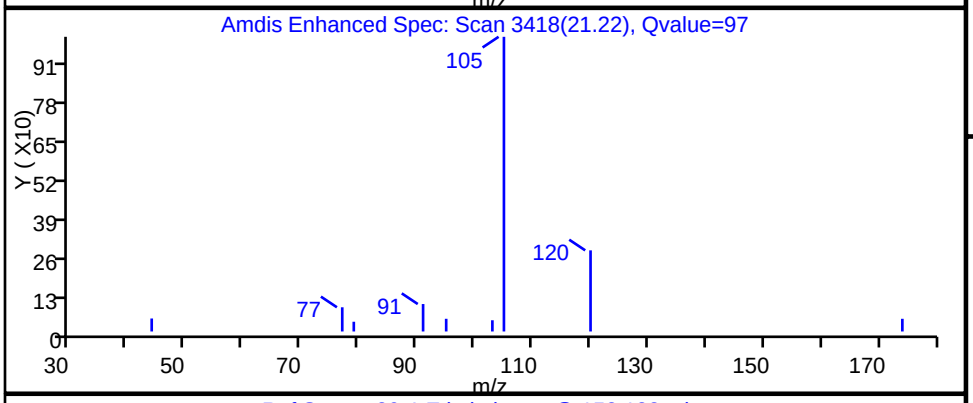
TestAmerica Burlington

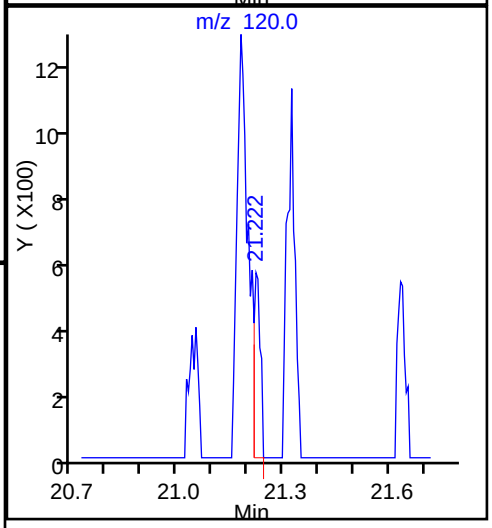
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

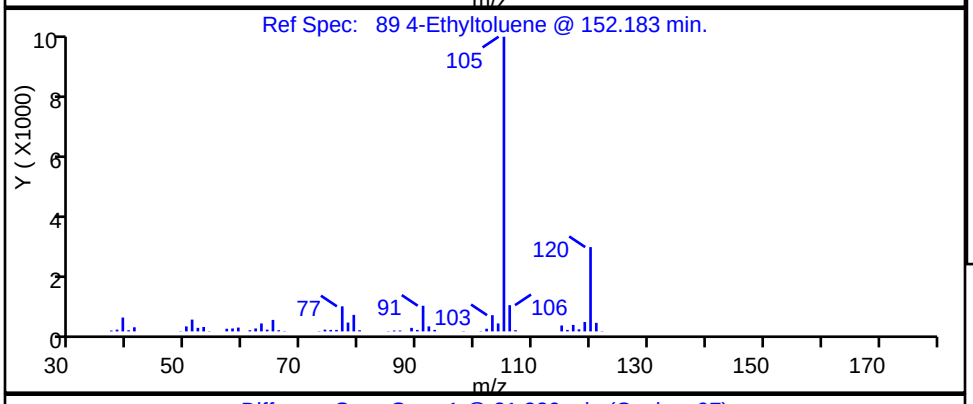
89 4-Ethyltoluene, CAS: 622-96-8

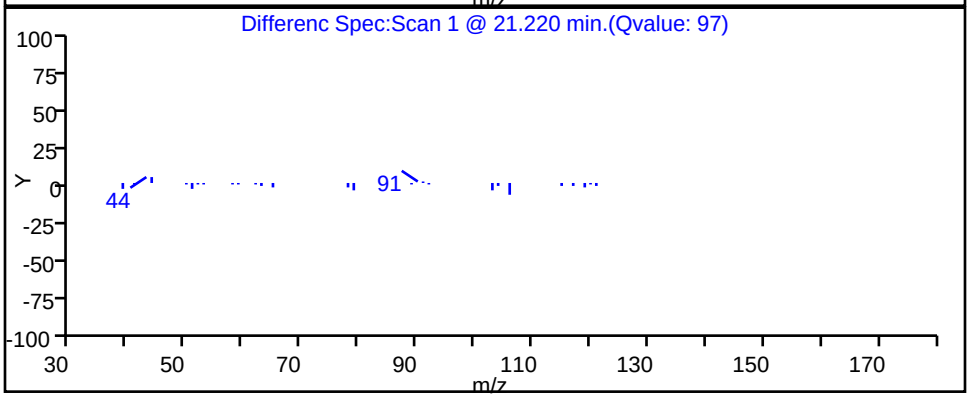








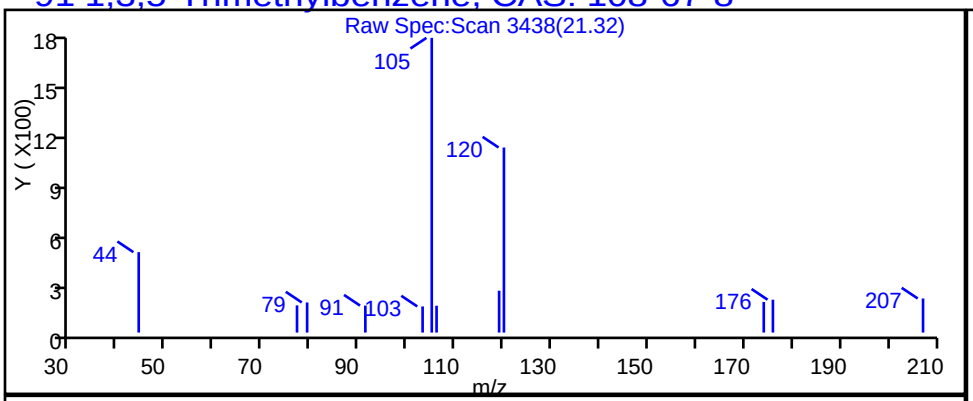


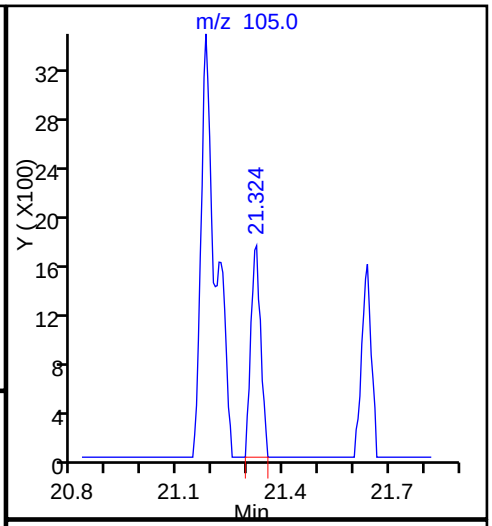


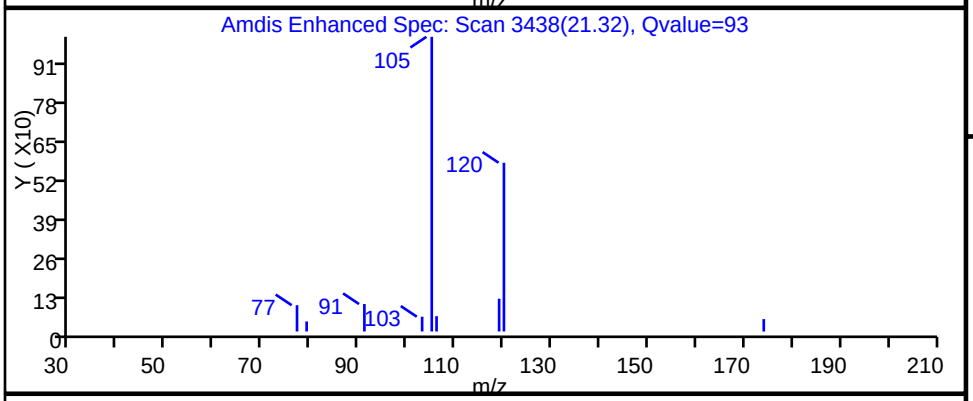
TestAmerica Burlington

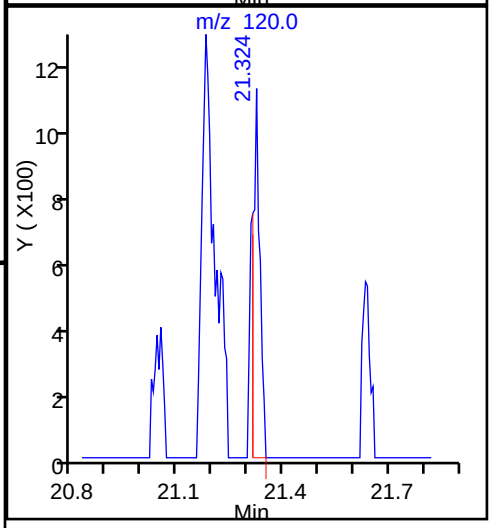
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

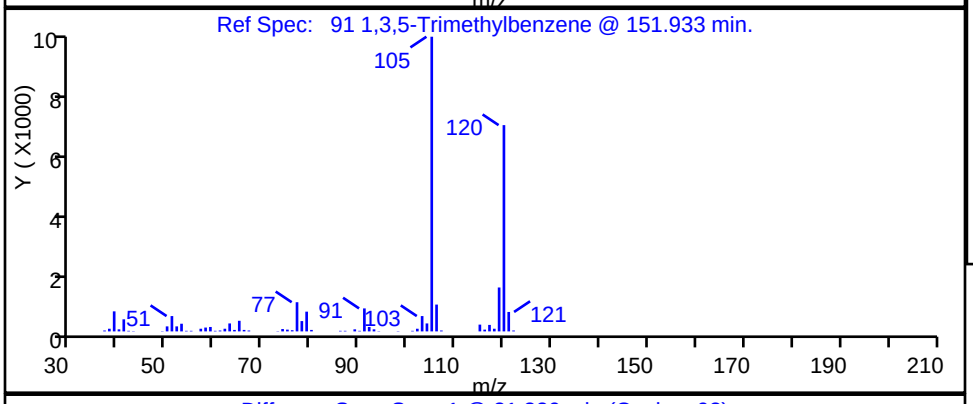
91 1,3,5-Trimethylbenzene, CAS: 108-67-8

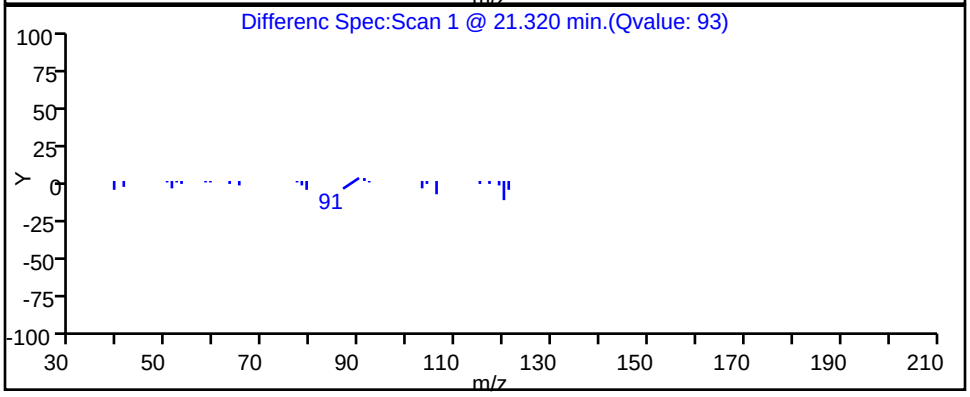








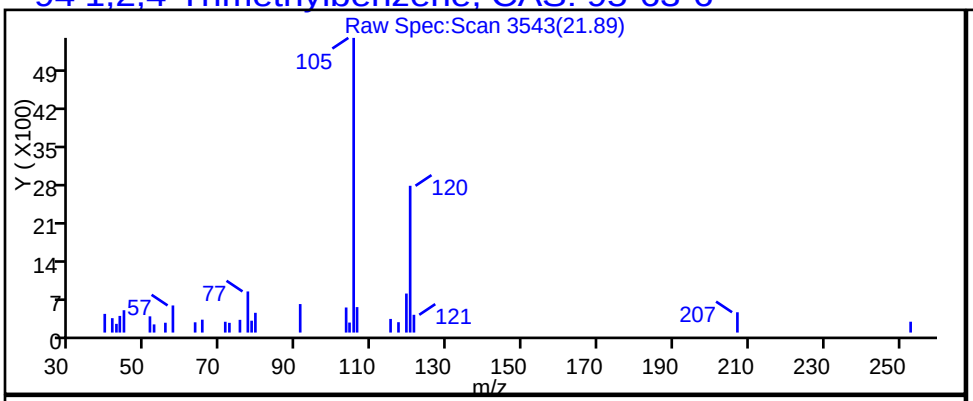


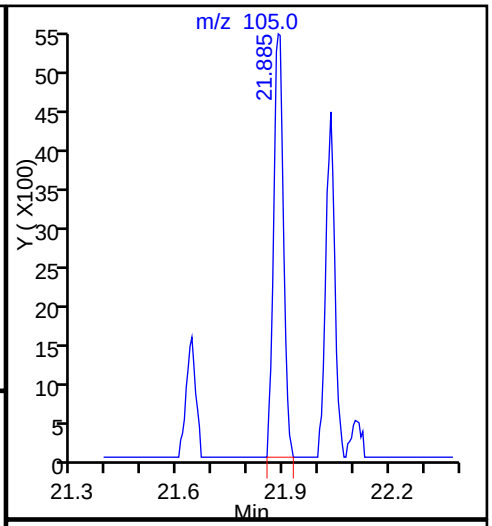


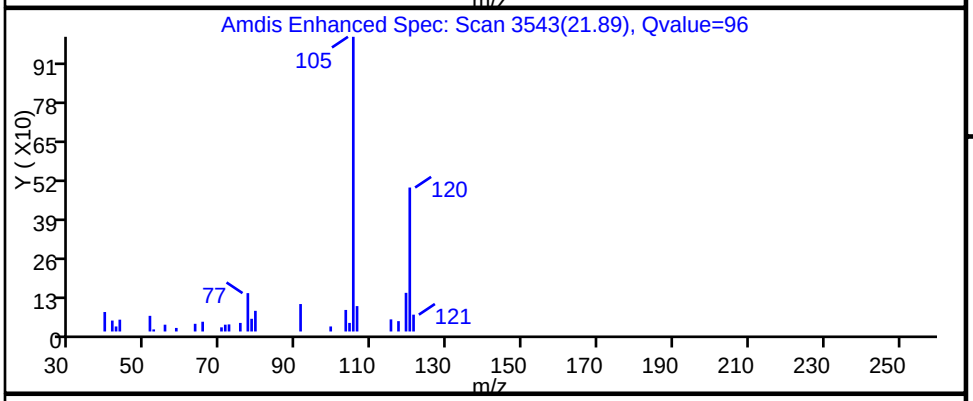
TestAmerica Burlington

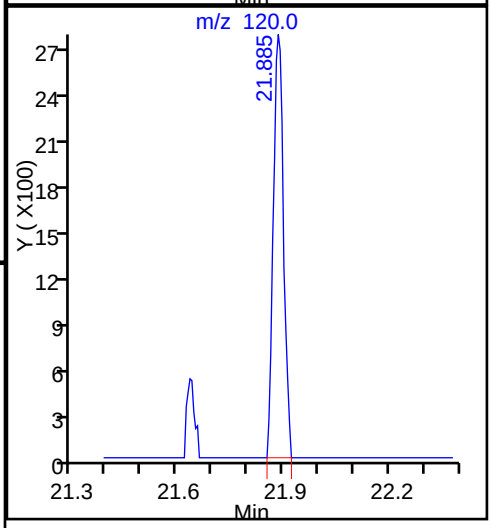
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

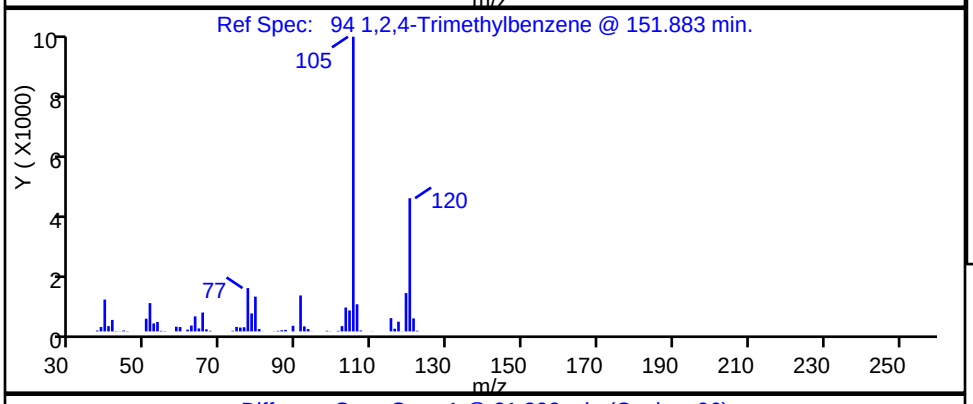
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

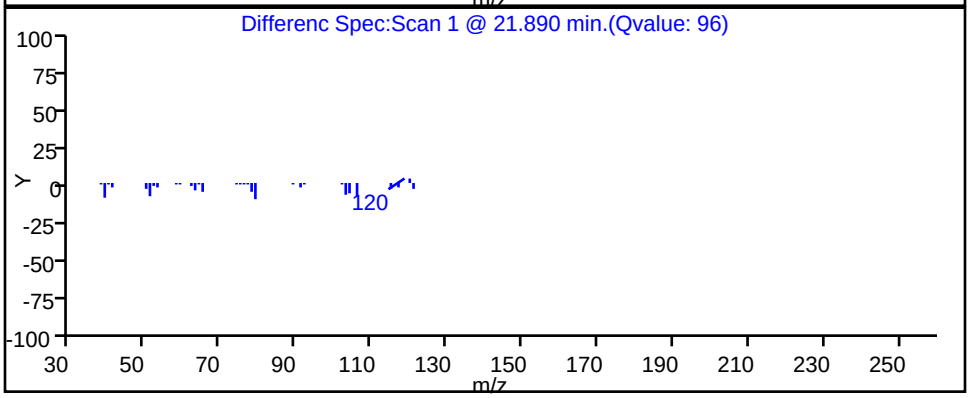








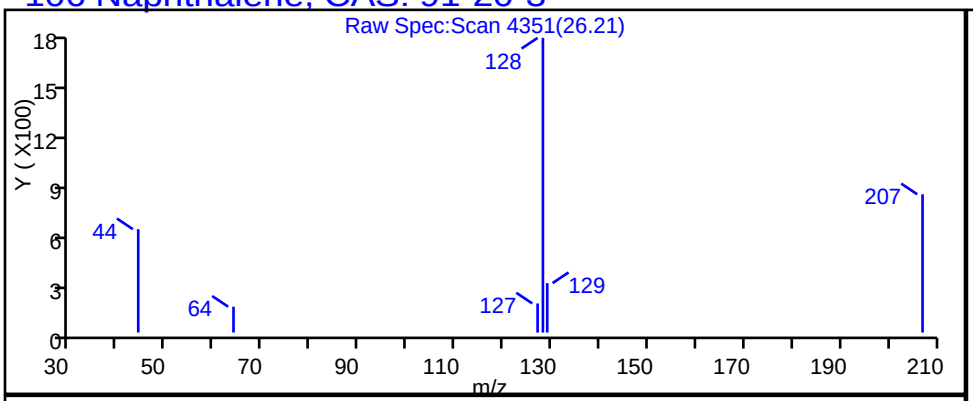


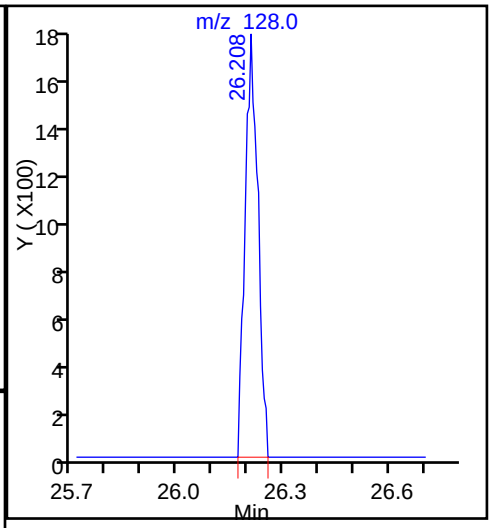


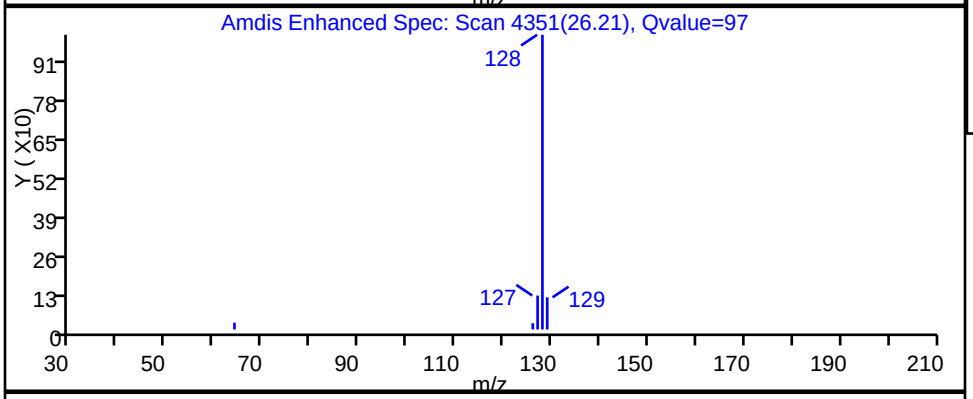
TestAmerica Burlington

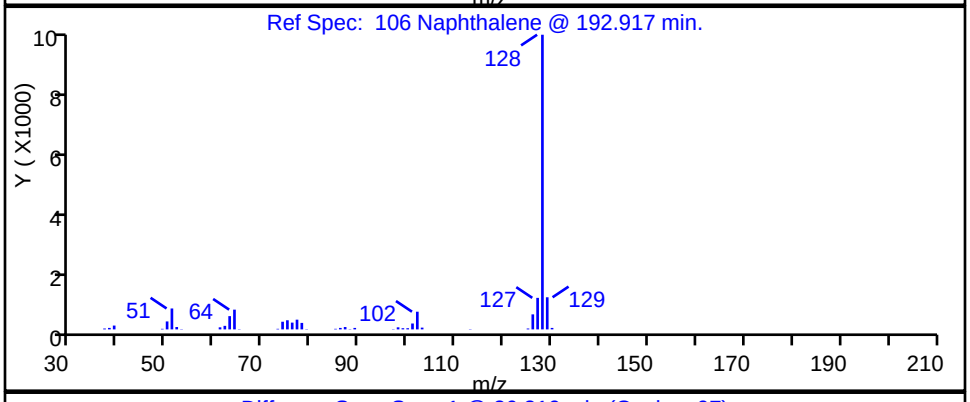
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D
Injection Date: 05-Sep-2015 02:30:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-17 Lab Sample ID: 200-29580-17
Client ID: 785IA14
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

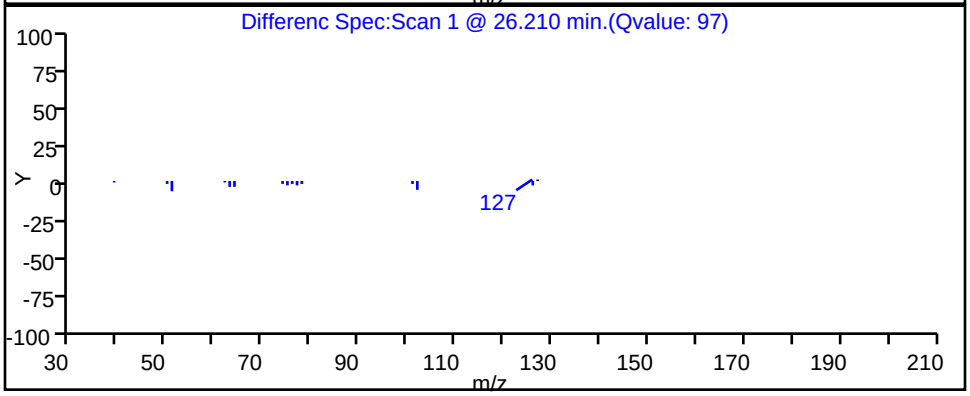
106 Naphthalene, CAS: 91-20-3











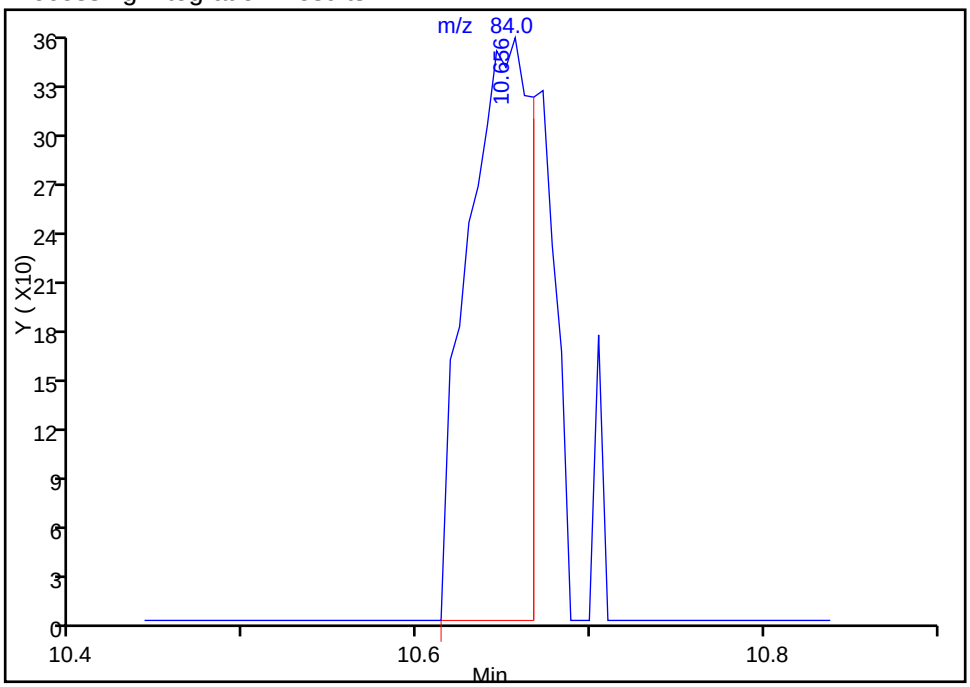
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Cyclohexane, CAS: 110-82-7

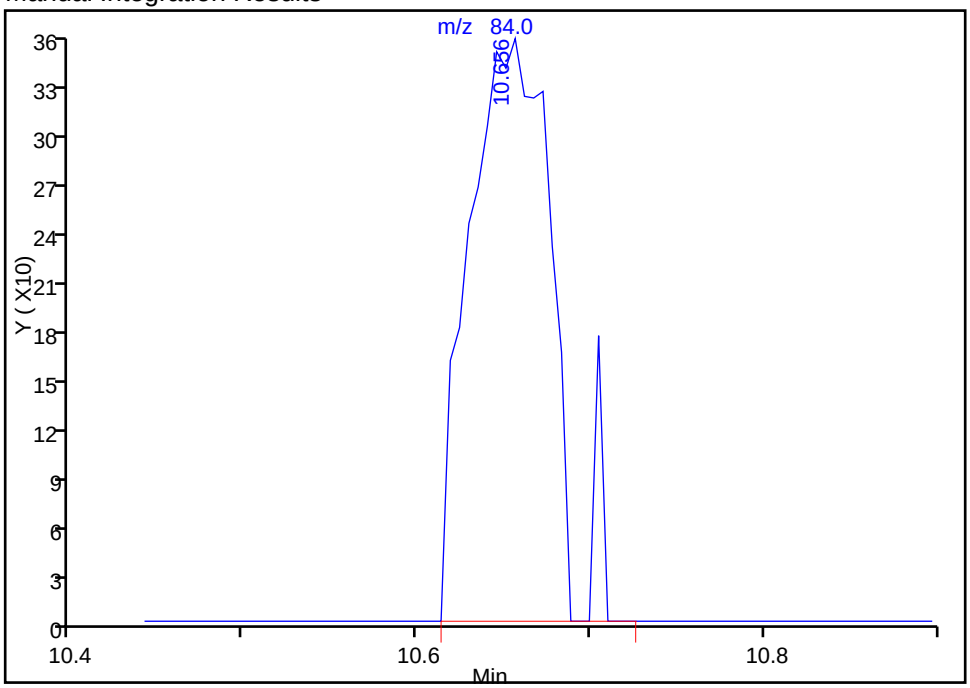
Processing Integration Results

RT: 10.66
Area: 901
Amount: 0.047425
Amount Units: ppb v/v



Manual Integration Results

RT: 10.66
Area: 1185
Amount: 0.062373
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

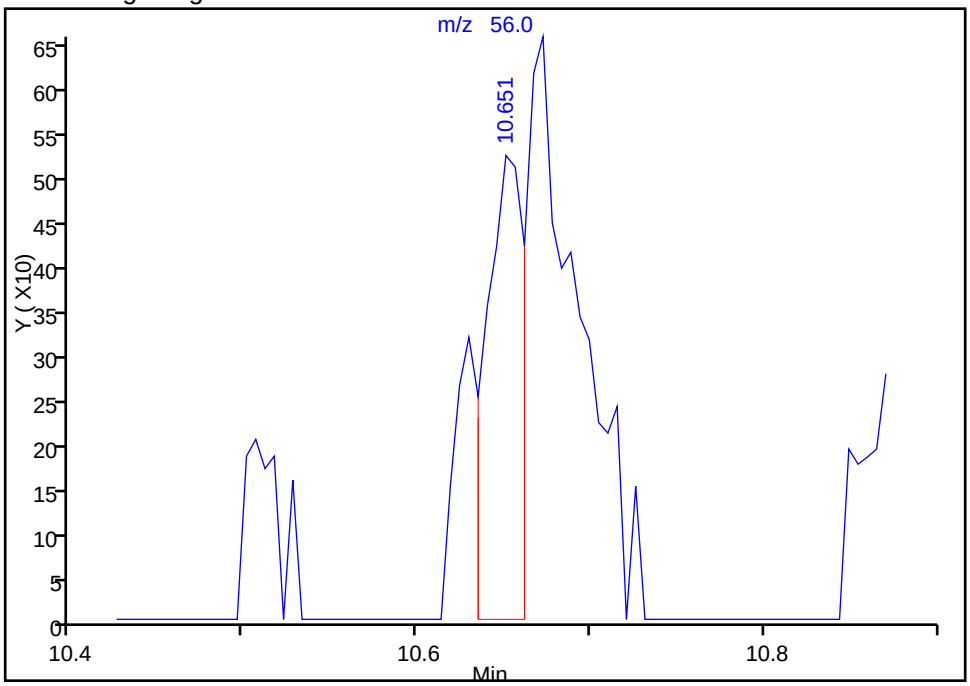
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Cyclohexane, CAS: 110-82-7

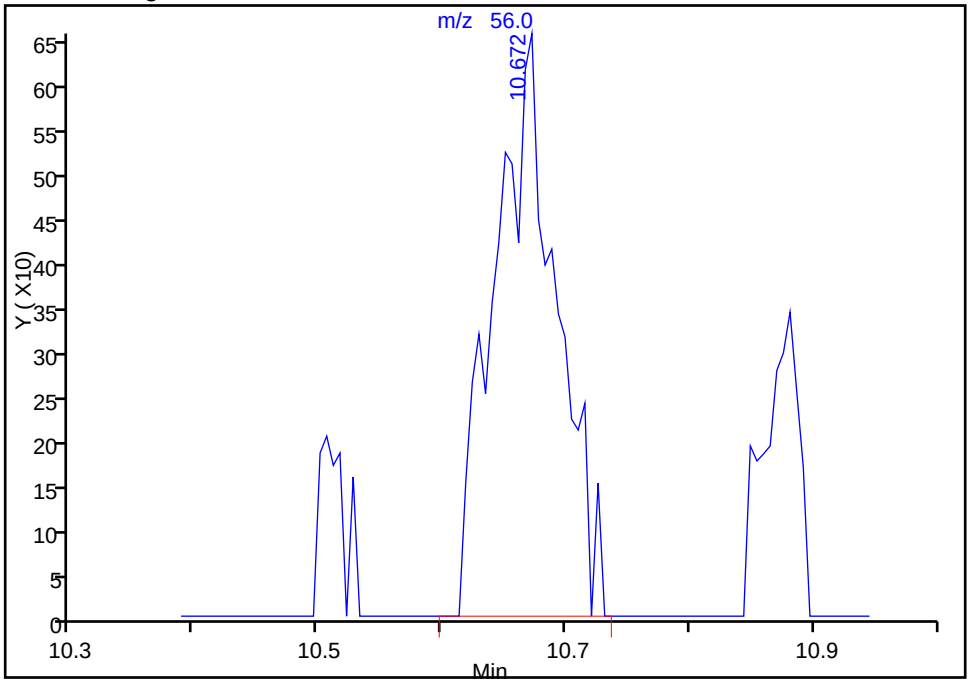
Processing Integration Results

RT: 10.65
Area: 796
Amount: 0.047425
Amount Units: ppb v/v



Manual Integration Results

RT: 10.67
Area: 2318
Amount: 0.062373
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

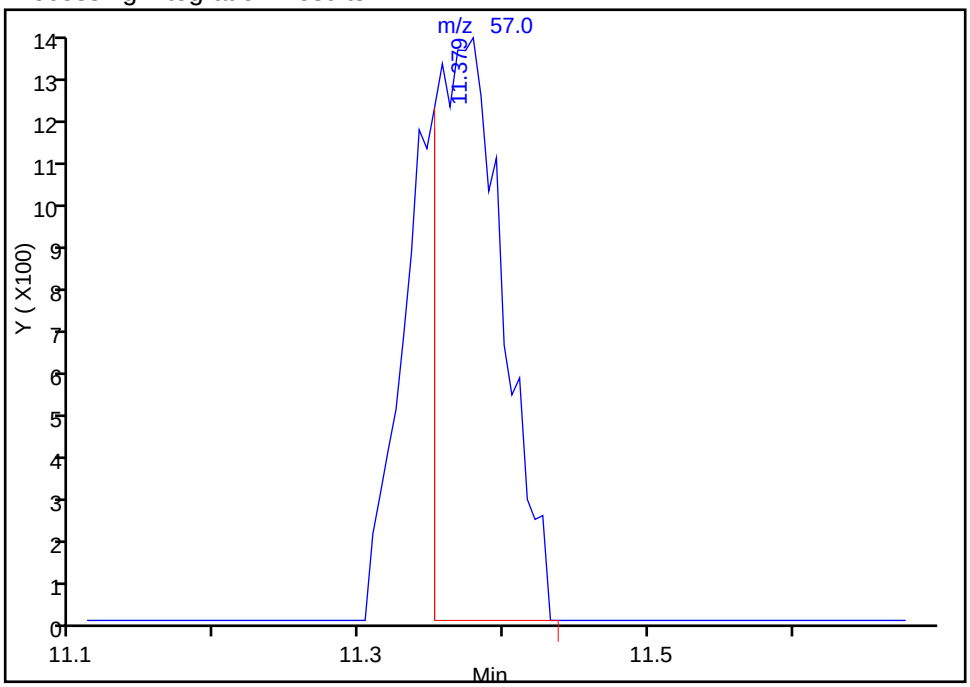
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Isooctane, CAS: 540-84-1

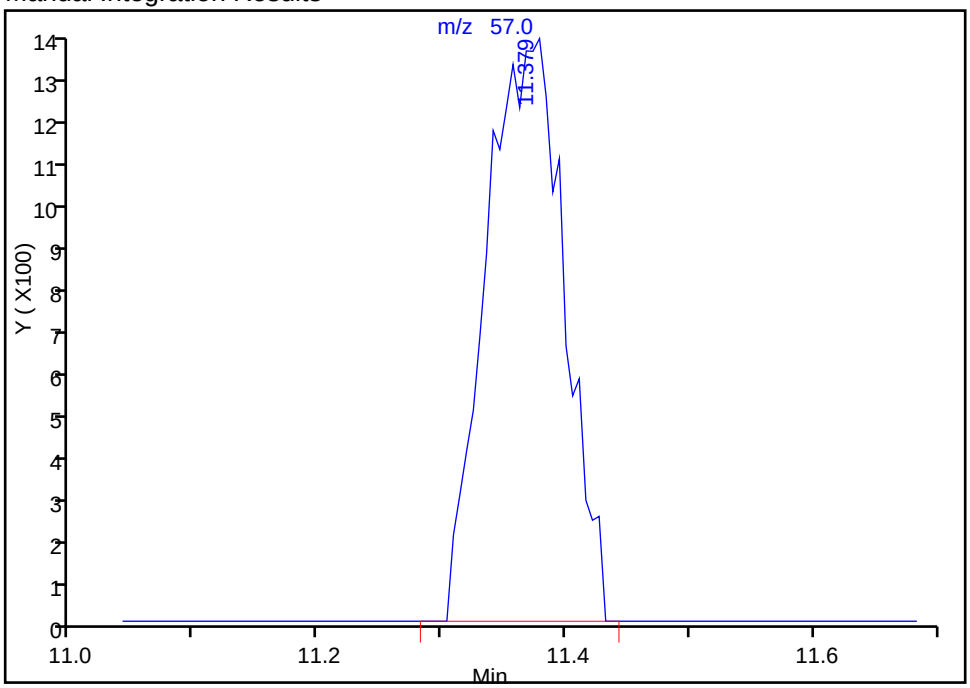
Processing Integration Results

RT: 11.38
Area: 4362
Amount: 0.068703
Amount Units: ppb v/v



Manual Integration Results

RT: 11.38
Area: 6028
Amount: 0.094943
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

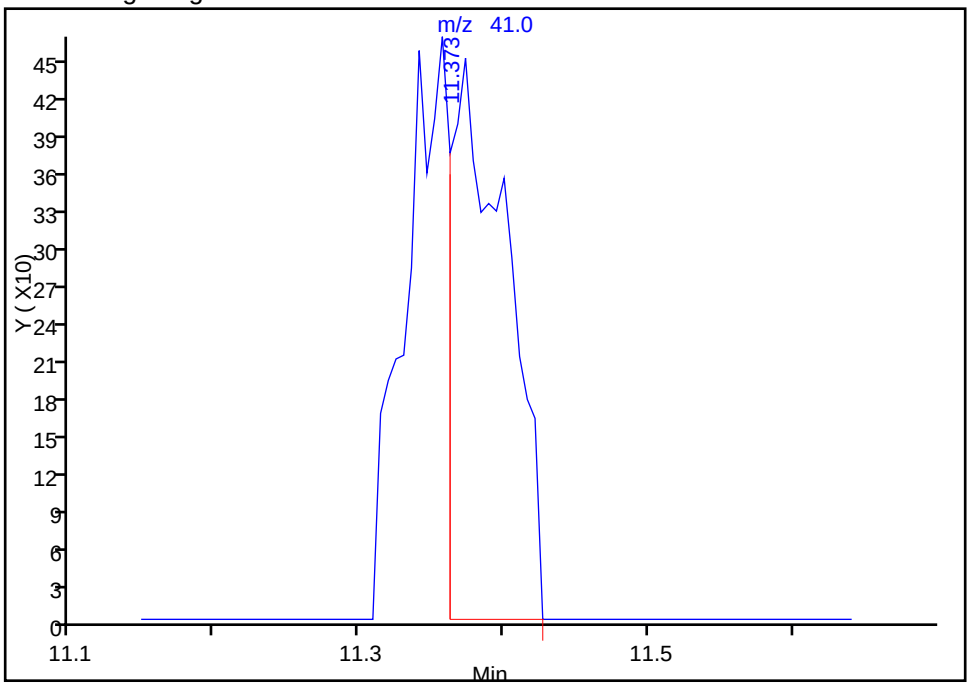
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Isooctane, CAS: 540-84-1

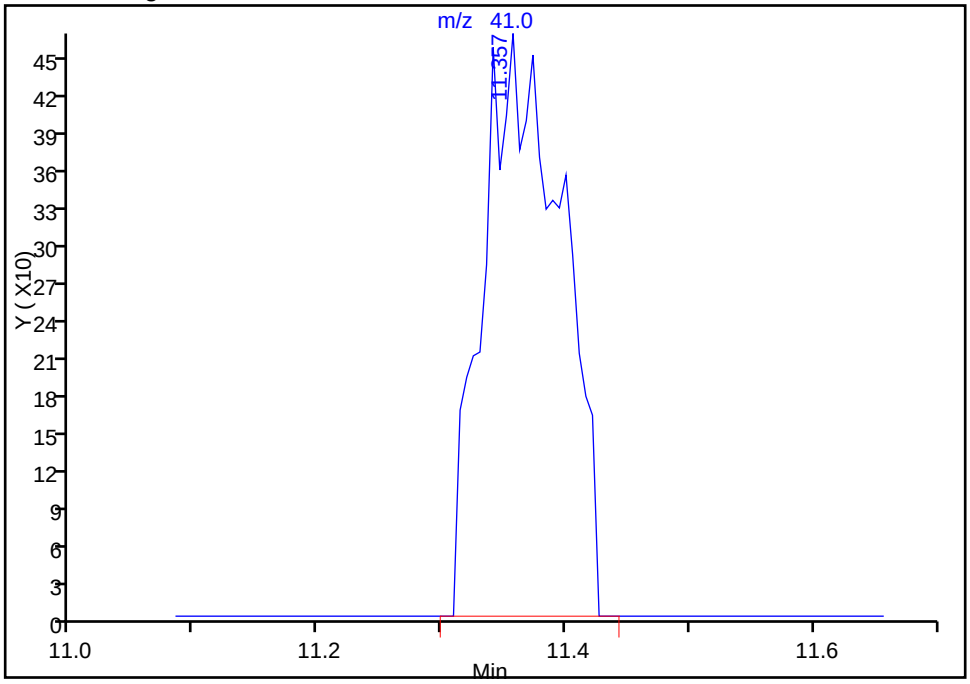
Processing Integration Results

RT: 11.37
Area: 1193
Amount: 0.068703
Amount Units: ppb v/v



Manual Integration Results

RT: 11.36
Area: 2062
Amount: 0.094943
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

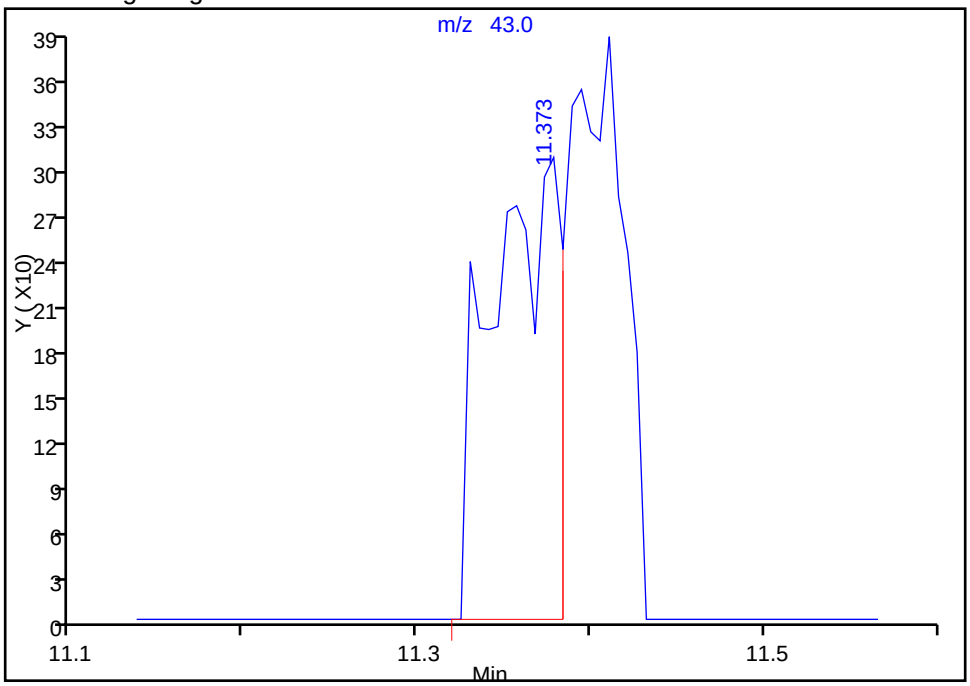
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Isooctane, CAS: 540-84-1

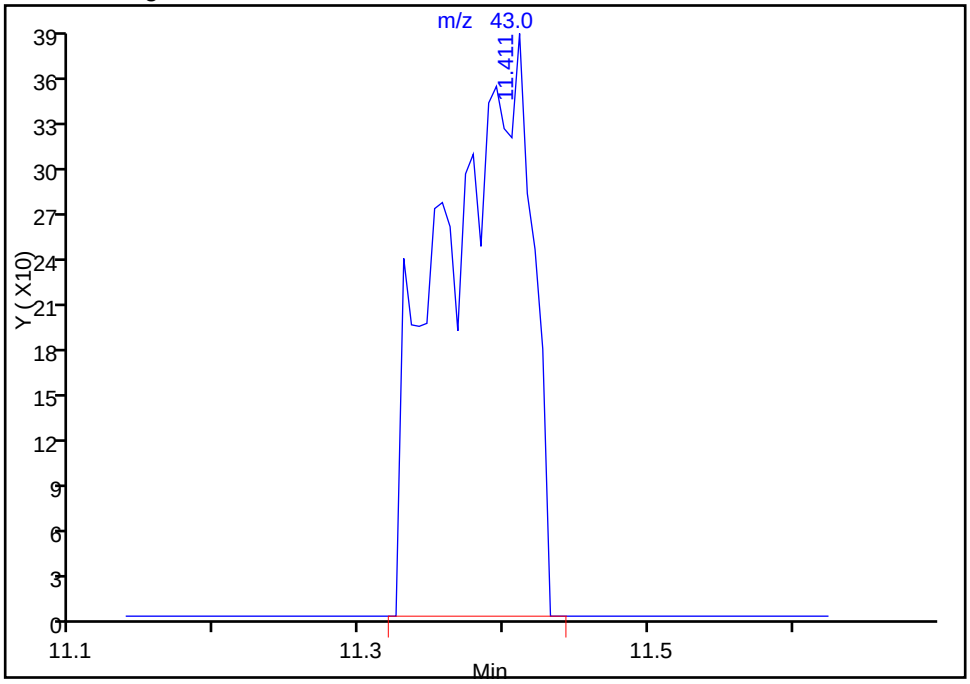
Processing Integration Results

RT: 11.37
Area: 851
Amount: 0.068703
Amount Units: ppb v/v



Manual Integration Results

RT: 11.41
Area: 1627
Amount: 0.094943
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

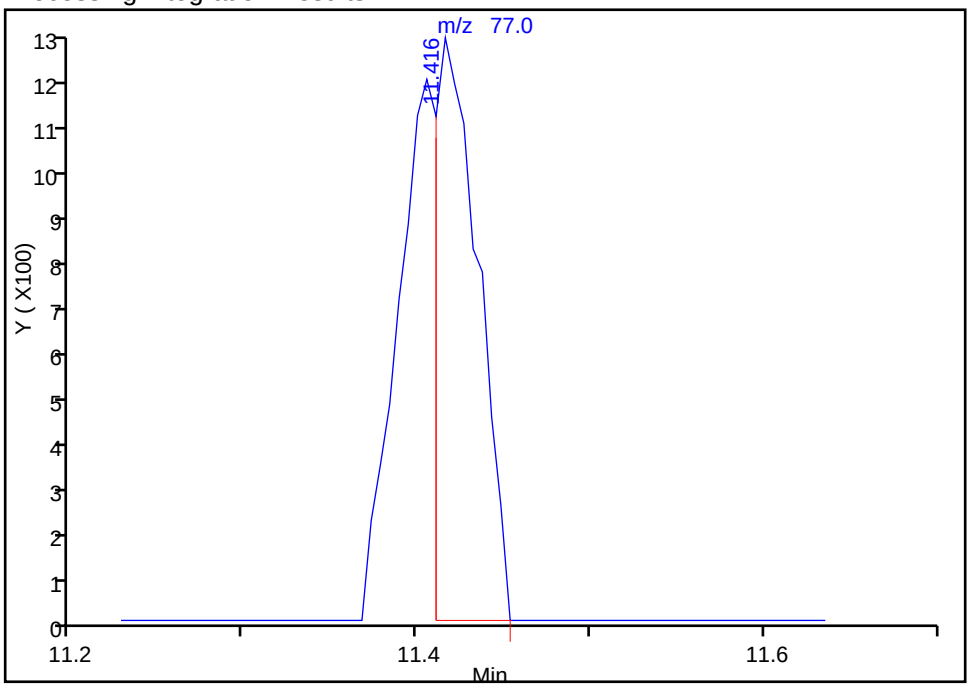
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2

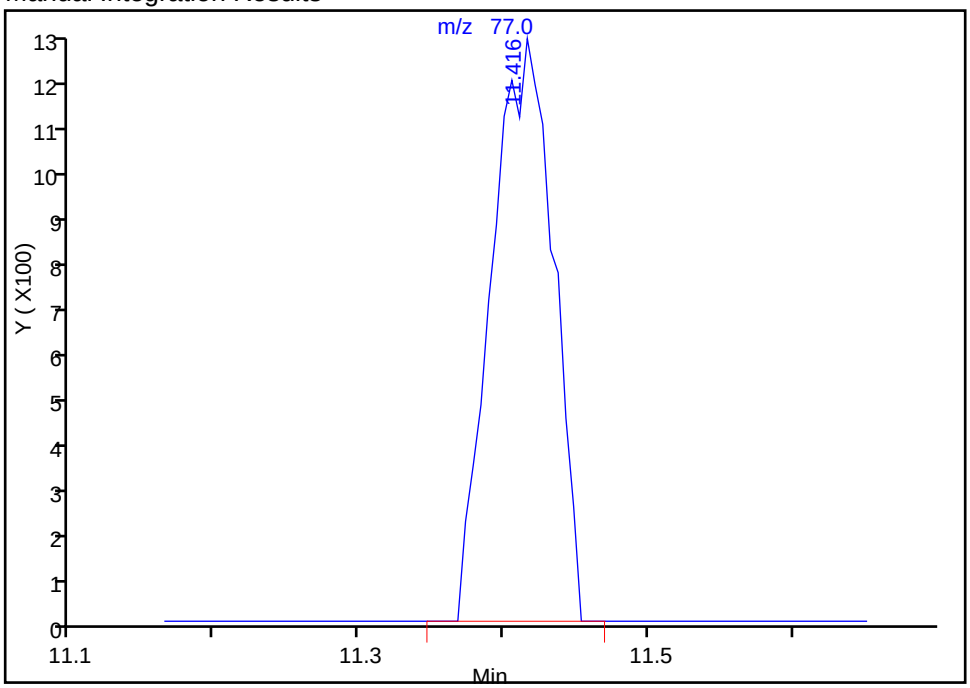
Processing Integration Results

RT: 11.42
Area: 2164
Amount: 0.375246
Amount Units: ppb v/v



Manual Integration Results

RT: 11.42
Area: 3696
Amount: 0.375246
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

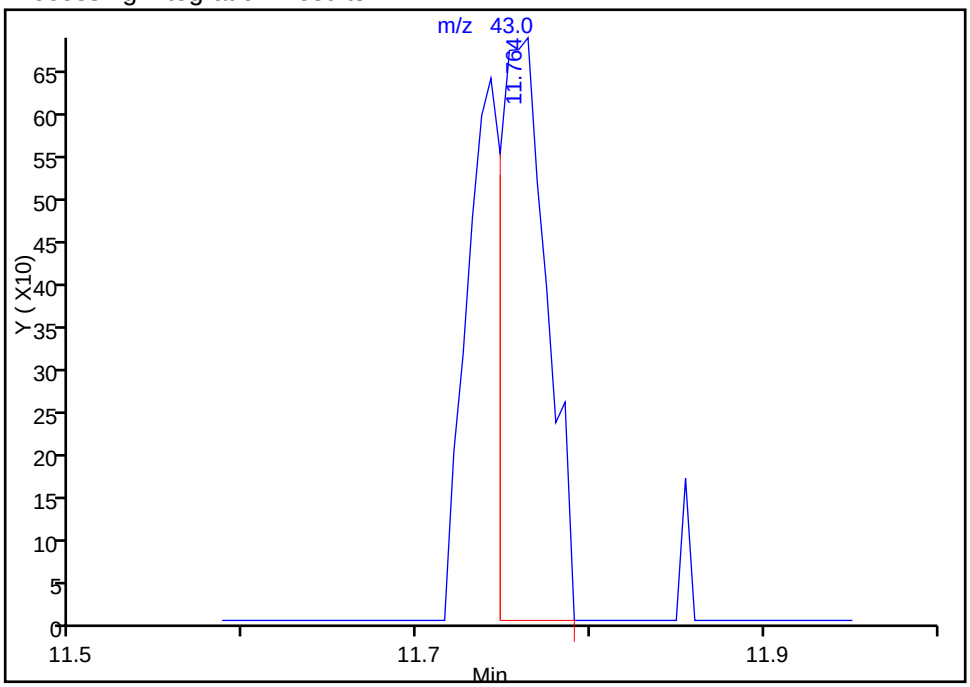
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

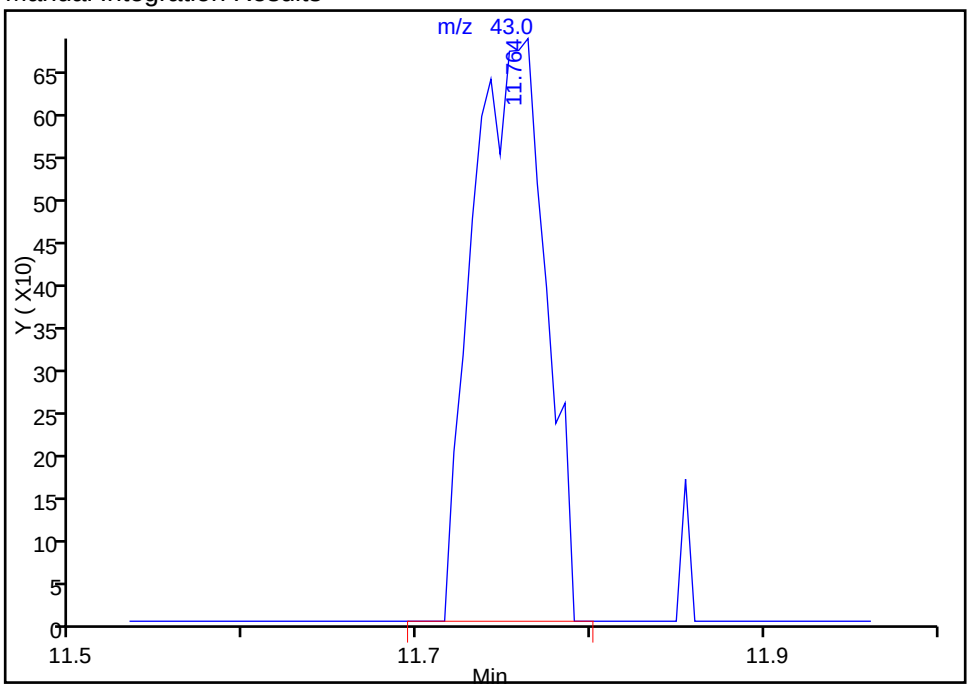
Processing Integration Results

RT: 11.76
Area: 1282
Amount: 0.059954
Amount Units: ppb v/v



Manual Integration Results

RT: 11.76
Area: 1998
Amount: 0.093438
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

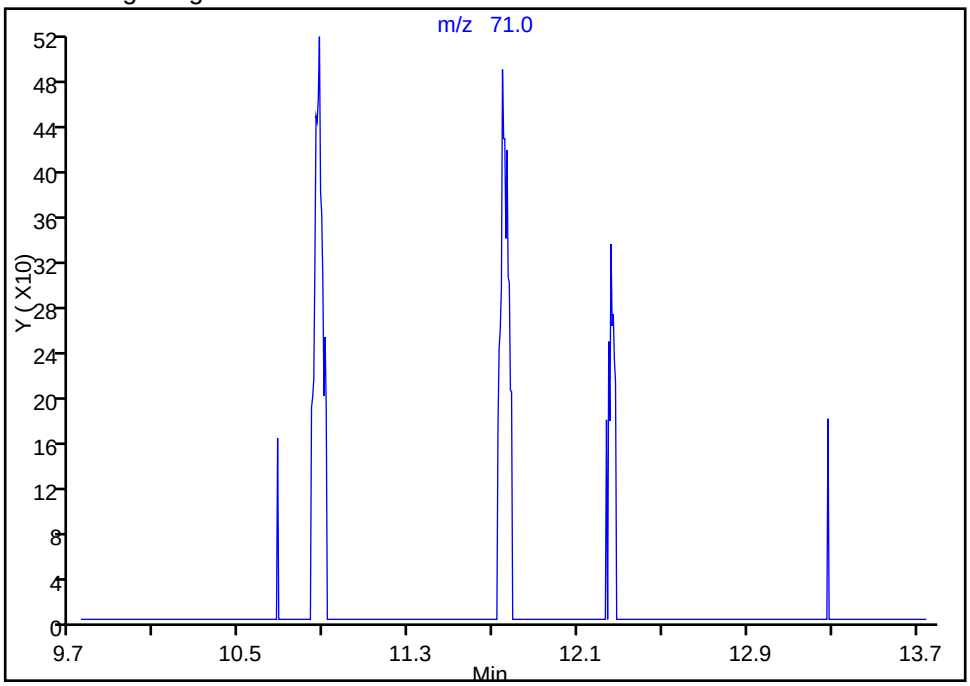
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_19.D				
Injection Date:	05-Sep-2015 02:30:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-17	Lab Sample ID:	200-29580-17		
Client ID:	785IA14				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

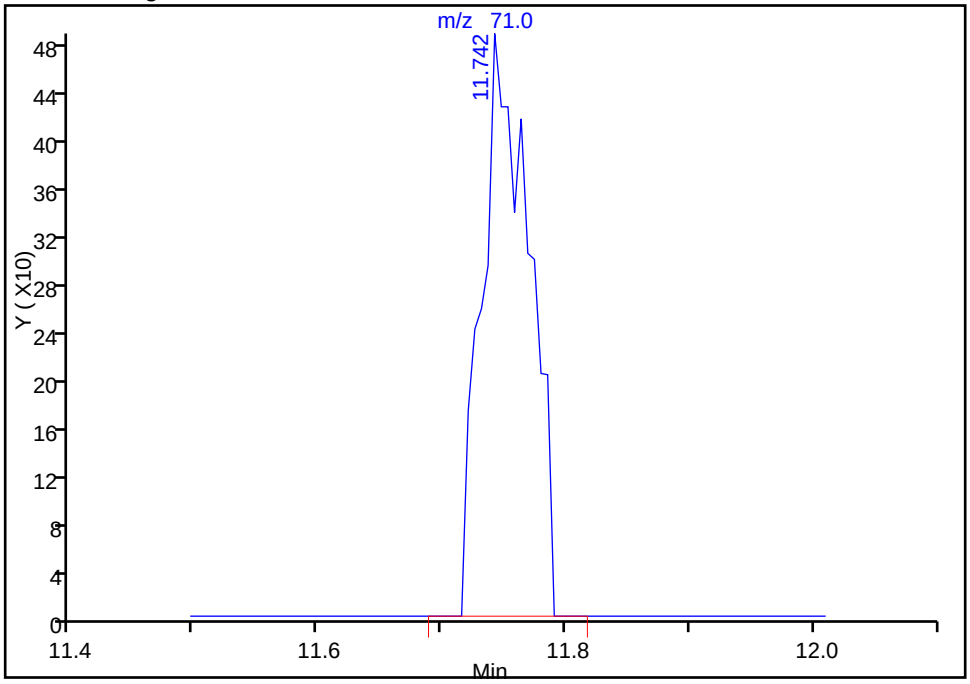
Processing Integration Results

RT: 11.75
Area: 0
Amount: 0.059954
Amount Units: ppb v/v



Manual Integration Results

RT: 11.74
Area: 1298
Amount: 0.093438
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:14:09
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786OA11 | Lab Sample ID: 200-29580-18

Matrix: Air | Lab File ID: 15629_20.D

Analysis Method: TO-15 | Date Collected: 09/01/2015 08:15

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 03:19

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.: 93647 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.47	J	0.50	0.056
75-45-6	Freon 22	86.47	0.27	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.45	J	0.50	0.060
106-97-8	n-Butane	58.12	0.32	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.21		0.20	0.045
76-13-1	Freon TF	187.38	0.064	J M	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	4.9	J	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.26	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.40	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.59		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.072	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.095	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786OA11 Lab Sample ID: 200-29580-18

Matrix: Air Lab File ID: 15629_20.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:15

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 03:19

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.16	J	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.023	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.076	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.038	J M	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.11	J	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.018	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786OA11 Lab Sample ID: 200-29580-18

Matrix: Air Lab File ID: 15629_20.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:15

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 03:19

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786OA11 Lab Sample ID: 200-29580-18

Matrix: Air Lab File ID: 15629_20.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:15

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 03:19

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.28
75-45-6	Freon 22	86.47	0.96	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.93	J	1.0	0.12
106-97-8	n-Butane	58.12	0.75	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.25
76-13-1	Freon TF	187.38	0.49	J M	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	12	J	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.80	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	1.4	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.7		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.45	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.30	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786OA11 Lab Sample ID: 200-29580-18

Matrix: Air Lab File ID: 15629_20.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:15

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 03:19

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.62	J	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.099	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.33	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.16	J M	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.50	J	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.091	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785786OA11 Lab Sample ID: 200-29580-18

Matrix: Air Lab File ID: 15629_20.D

Analysis Method: TO-15 Date Collected: 09/01/2015 08:15

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 03:19

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Sample Type: Client
Inject. Date: 05-Sep-2015 03:19:30 ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-020
Misc. Info.: 29580-18
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2015 09:16:14 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 08-Sep-2015 09:16:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.172	3.167	0.005	98	12146	0.4724	
3 Chlorodifluoromethane	51	3.220	3.215	0.005	95	3386	0.2723	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.429				ND	
5 Chloromethane	50	3.579	3.568	0.011	96	3245	0.4485	
6 Butane	43	3.771	3.761	0.011	99	3750	0.3155	
7 Vinyl chloride	62		3.809				ND	
8 Butadiene	54		3.884				ND	
9 Bromomethane	94		4.552				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	95	5865	0.2068	
18 1,1,2-Trichloro-1,2,2-trif	101	6.302	6.296	0.011	67	1453	0.0640	M
20 1,1-Dichloroethene	96		6.350				ND	
21 Acetone	43	6.633	6.596	0.037	88	56251	4.86	
22 Carbon disulfide	76	6.746	6.740	0.006	97	6929	0.2570	
23 Isopropyl alcohol	45		6.885				ND	
24 3-Chloro-1-propene	41		7.120				ND	
26 Methylene Chloride	49	7.414	7.409	0.005	85	3932	0.4036	
28 2-Methyl-2-propanol	59		7.660				ND	
29 Methyl tert-butyl ether	73		7.810				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.709				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72	9.929	9.870	0.059	98	3600	0.5863	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	77	132186	10.0	
39 Tetrahydrofuran	42		10.293				ND	
41 Chloroform	83		10.410				ND	
42 Cyclohexane	84		10.651				ND	
43 1,1,1-Trichloroethane	97		10.688				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117	10.929	10.934	-0.005	69	1994	0.0716	
	45 Isooctane	57		11.362				ND	
	46 Benzene	78	11.416	11.411	0.005	87	4067	0.0950	
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43		11.748				ND	
*	50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	733178	10.0	
	52 Trichloroethene	95		12.743				ND	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88		13.567				ND	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43	15.236	15.182	0.054	88	3826	0.1367	
	62 Toluene	92	15.476	15.482	-0.006	94	6164	0.1637	
	67 trans-1,3-Dichloropropene	75		16.097				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.584				ND	
	70 2-Hexanone	43		16.948				ND	
	71 Chlorodibromomethane	129		17.269				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.451	18.451	0.000	83	739365	10.0	
	74 Chlorobenzene	112		18.515				ND	
	75 Ethylbenzene	91	18.659	18.654	0.005	92	1859	0.0229	
	77 m-Xylene & p-Xylene	106	18.906	18.911	-0.005	96	2585	0.0755	
	78 o-Xylene	106	19.735	19.735	0.011	1	1276	0.0377	M
	79 Styrene	104		19.772				ND	
S	80 Xylenes, Total	106				0		0.1132	
	81 Bromoform	173		20.184				ND	
	82 Isopropylbenzene	105		20.361				ND	
	85 1,1,2,2-Tetrachloroethane	83		20.987				ND	
	86 N-Propylbenzene	91		21.045				ND	
	89 4-Ethyltoluene	105		21.222				ND	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105		21.324				ND	
	93 tert-Butylbenzene	119		21.794				ND	
	94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	90	1487	0.0184	
	95 sec-Butylbenzene	105		22.110				ND	
	96 4-Isopropyltoluene	119		22.303				ND	
	97 1,3-Dichlorobenzene	146		22.351				ND	
	98 1,4-Dichlorobenzene	146		22.490				ND	
	99 Benzyl chloride	91		22.693				ND	
	101 n-Butylbenzene	91		22.896				ND	
	102 1,2-Dichlorobenzene	146		23.046				ND	
	104 1,2,4-Trichlorobenzene	180		25.678				ND	
	105 Hexachlorobutadiene	225		25.865				ND	
	106 Naphthalene	128	26.208	26.208	0.000	93	1096	0.0105	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

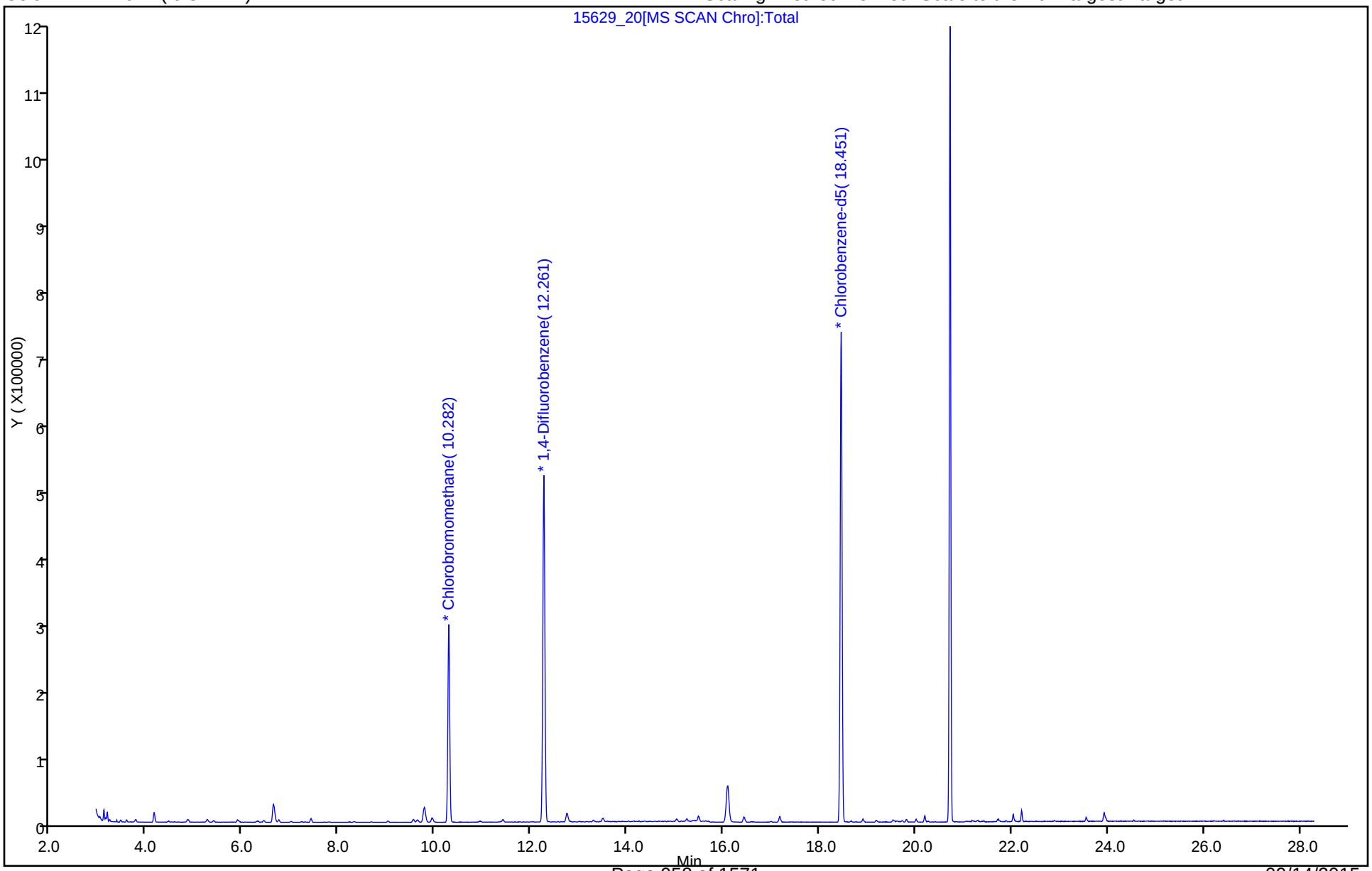
Report Date: 08-Sep-2015 09:16:15 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D

Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18	Worklist Smp#:	20
Client ID:	785786OA11				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

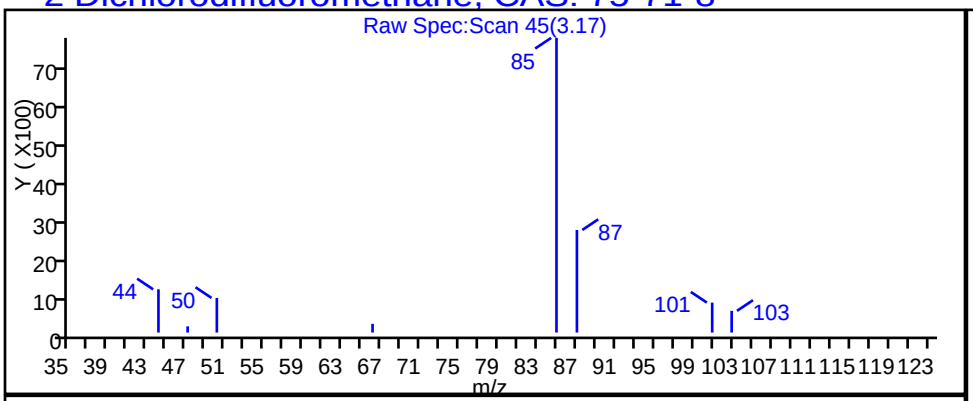
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

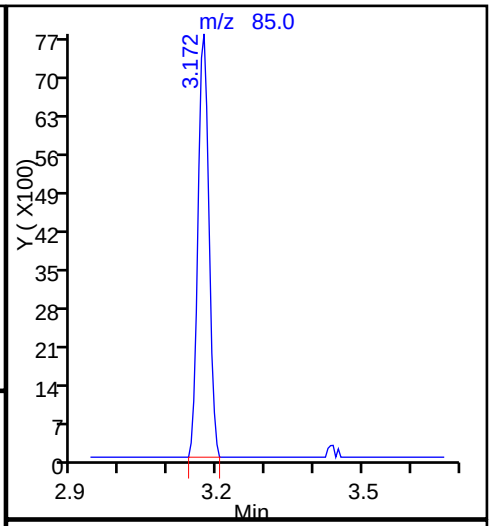


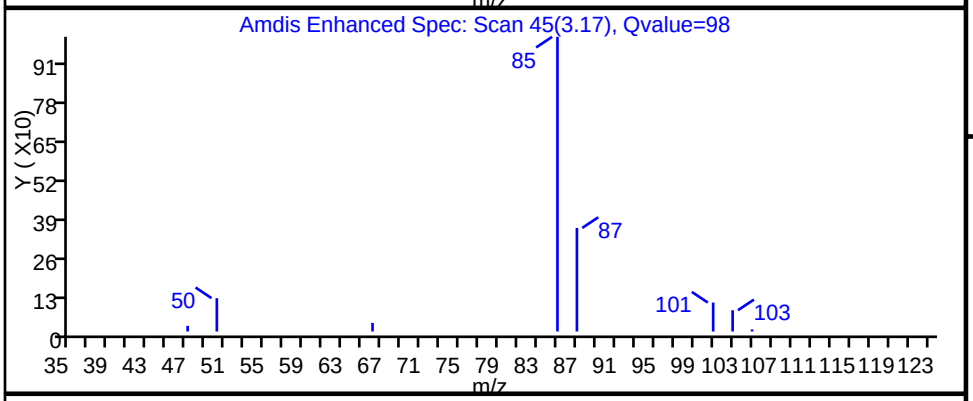
TestAmerica Burlington

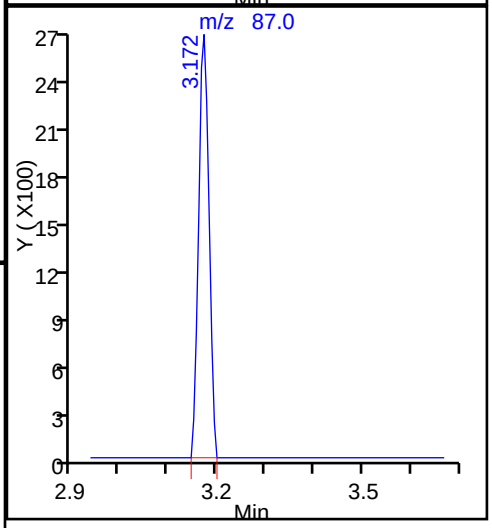
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

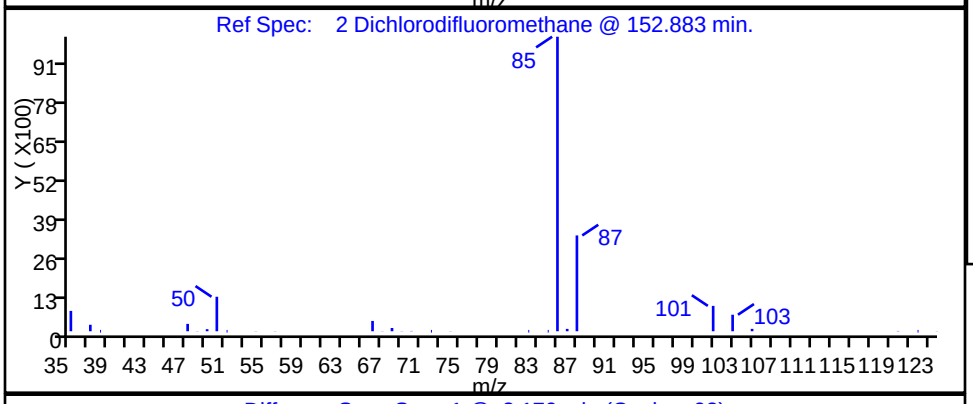
2 Dichlorodifluoromethane, CAS: 75-71-8

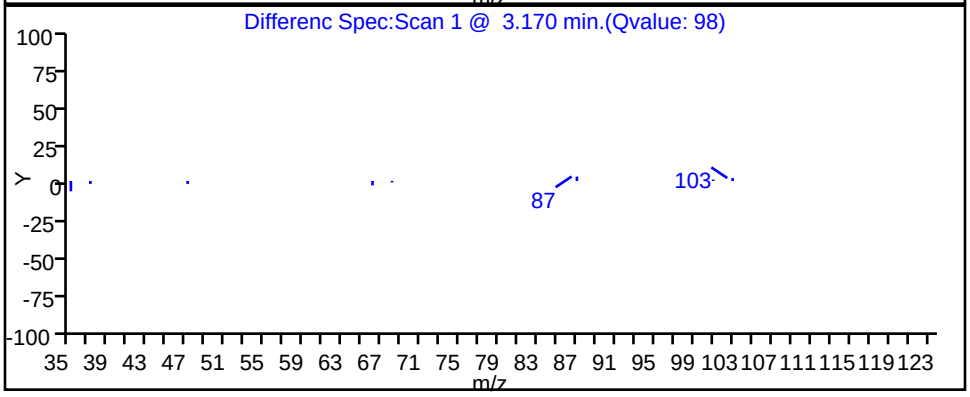






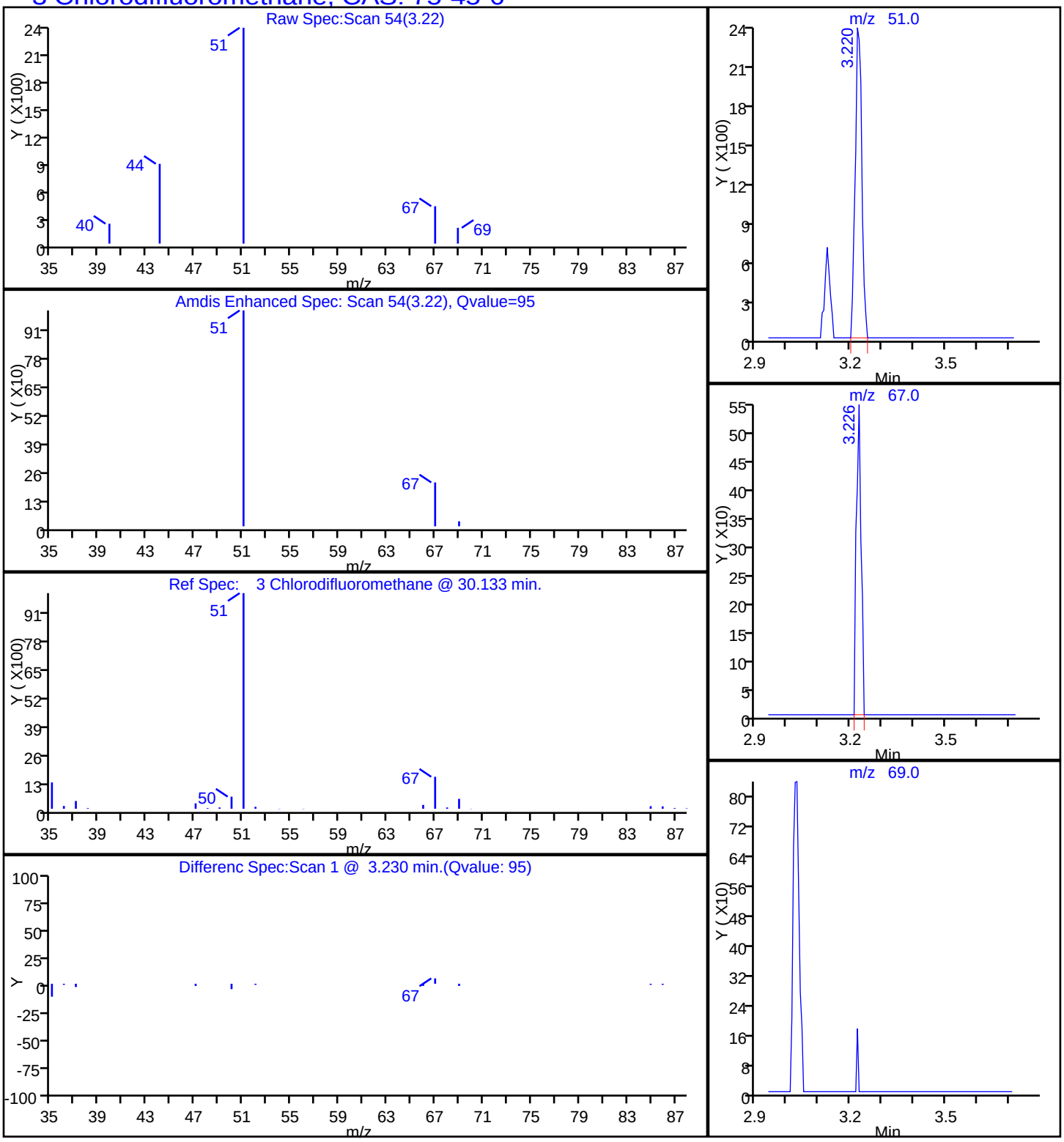






Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

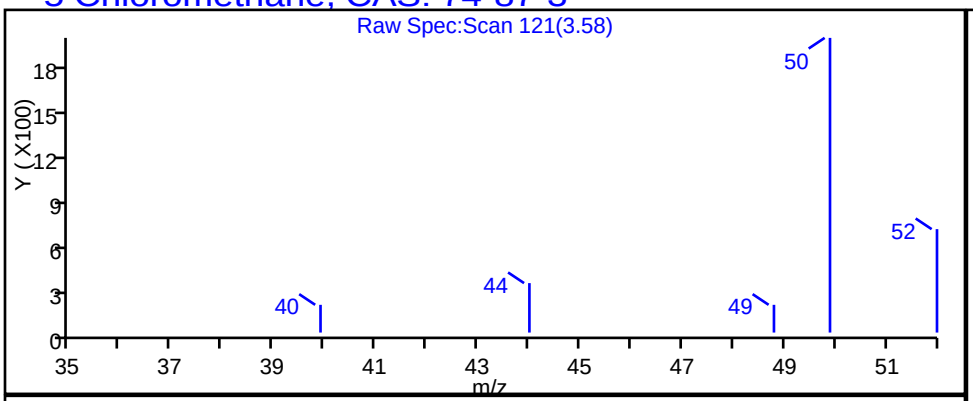
3 Chlorodifluoromethane, CAS: 75-45-6

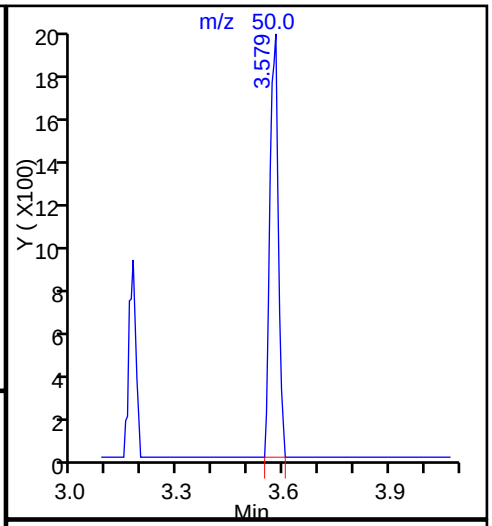


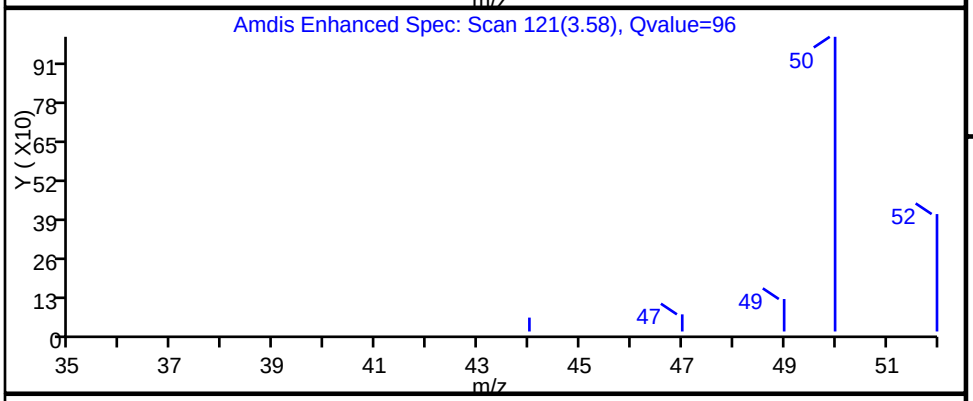
TestAmerica Burlington

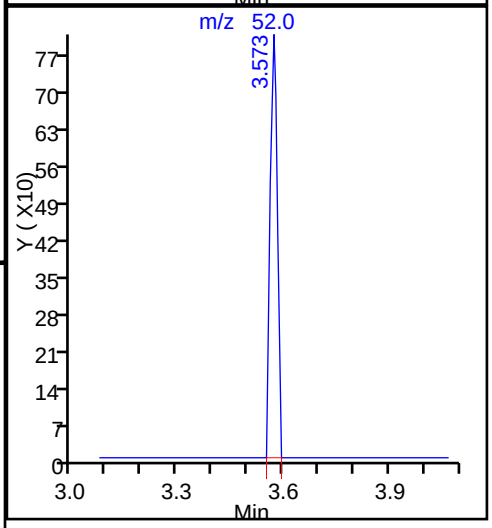
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

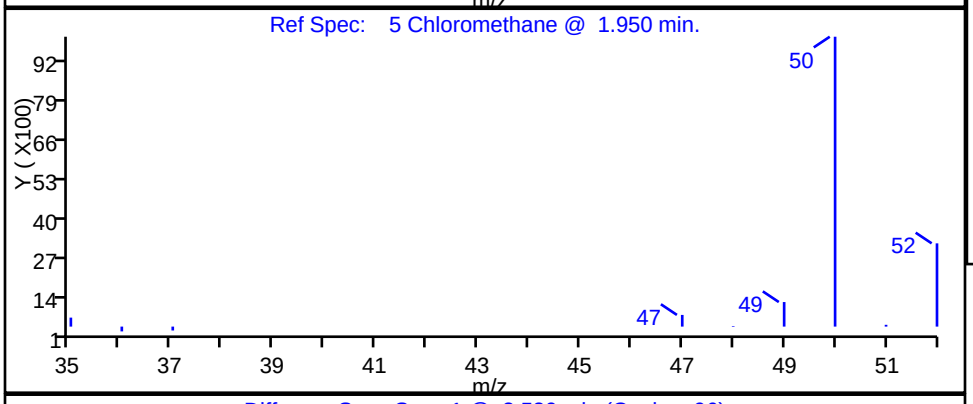
5 Chloromethane, CAS: 74-87-3

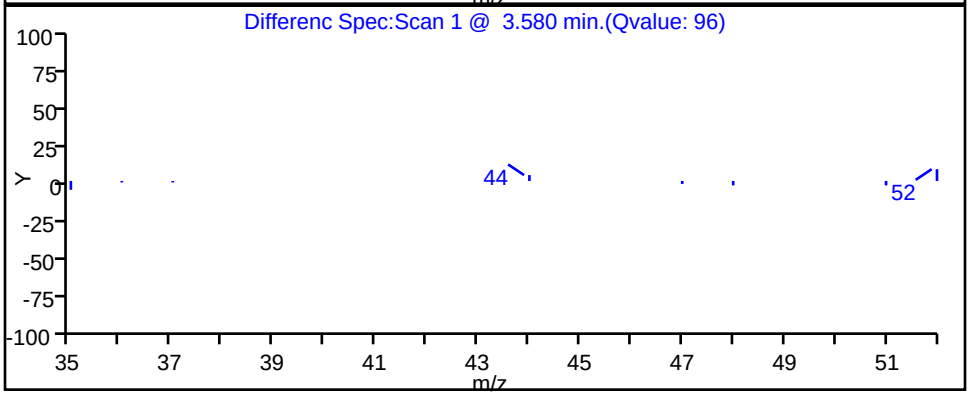








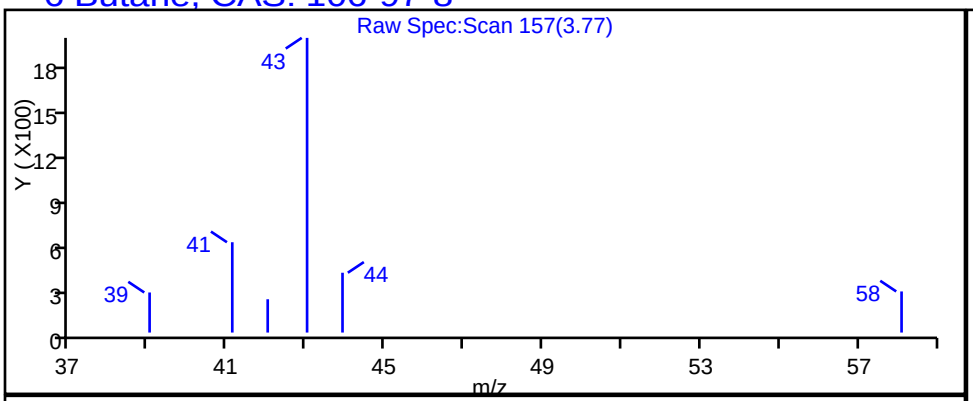


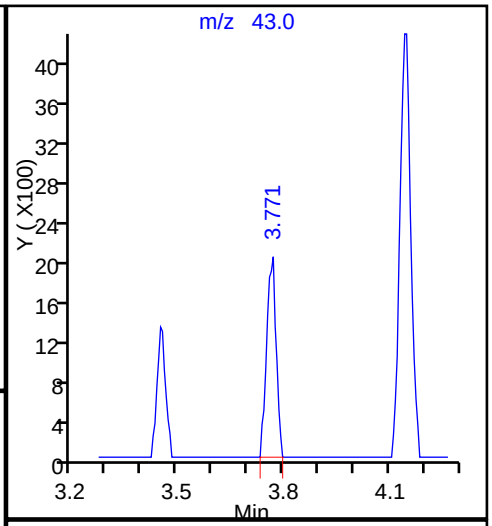


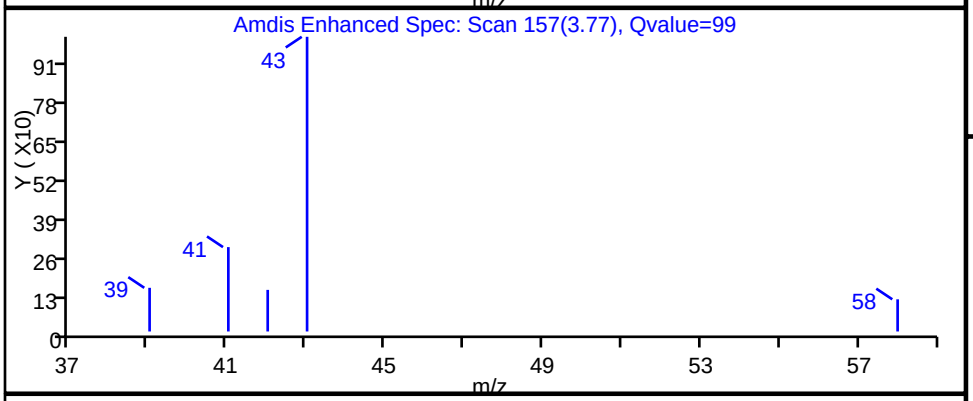
TestAmerica Burlington

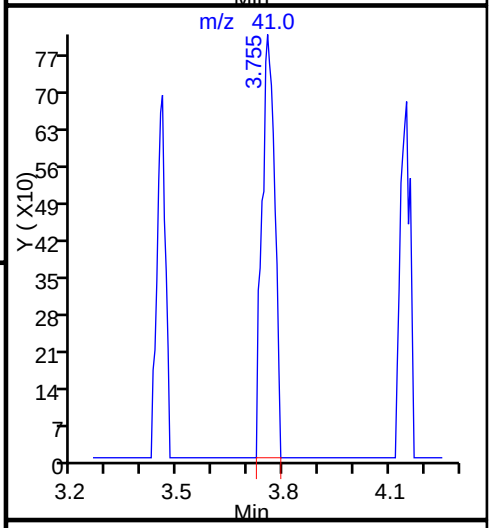
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

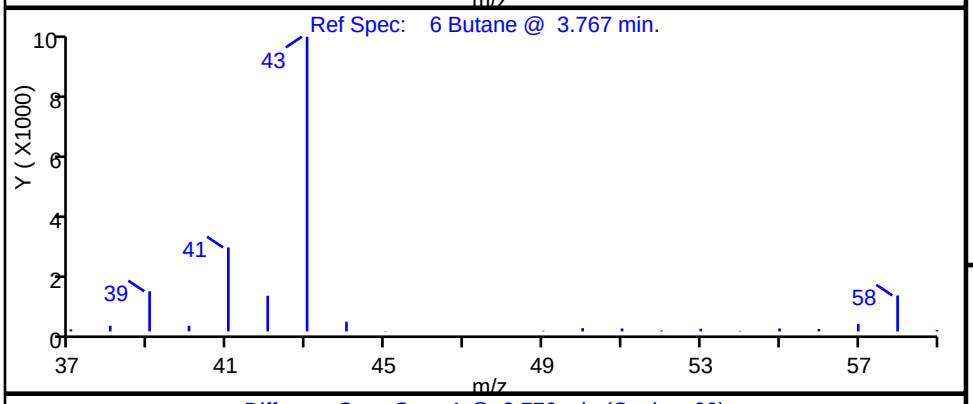
6 Butane, CAS: 106-97-8

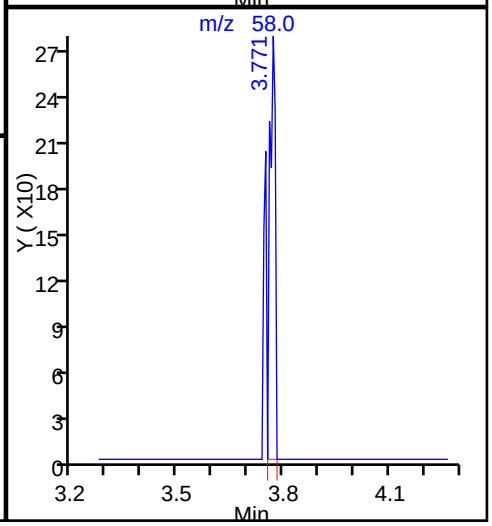


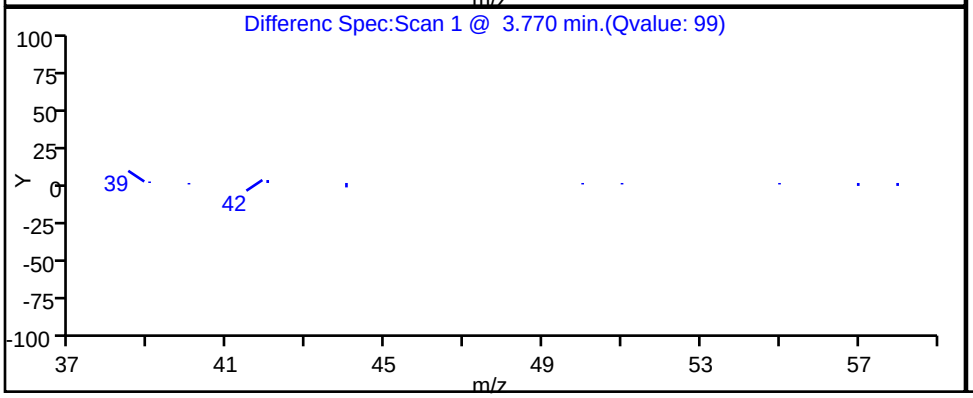








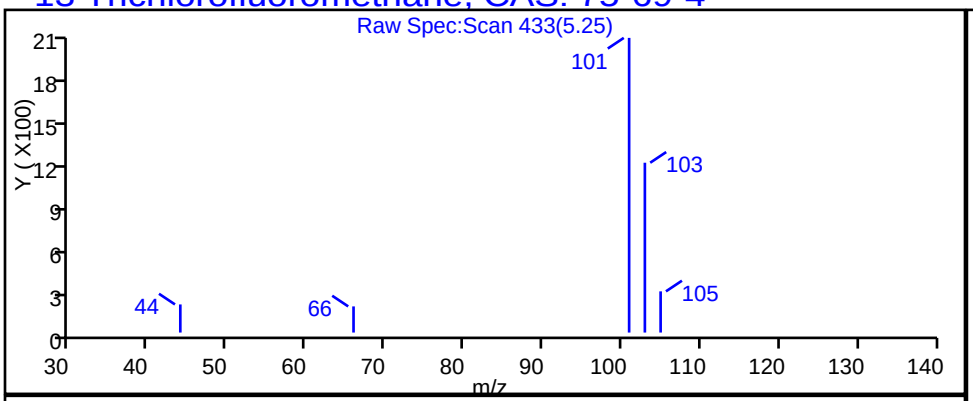


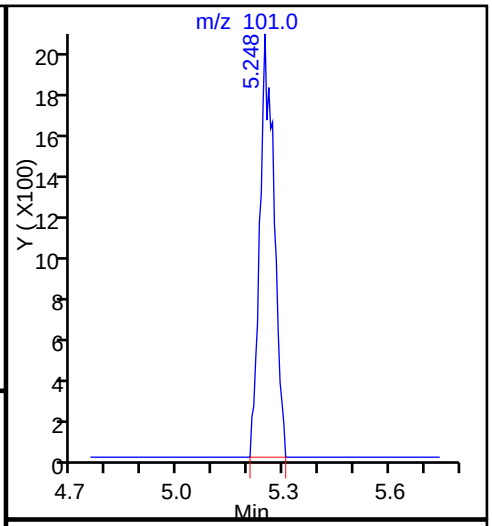


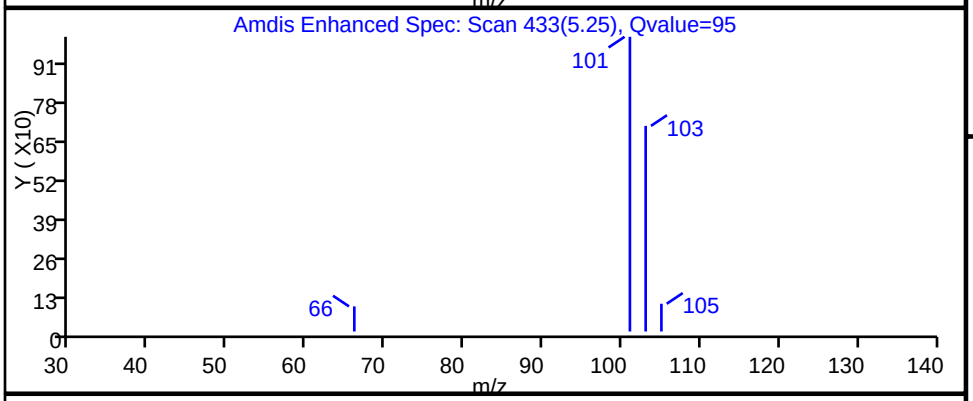
TestAmerica Burlington

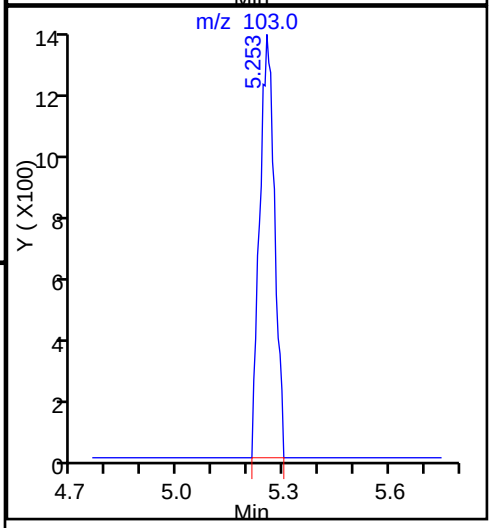
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

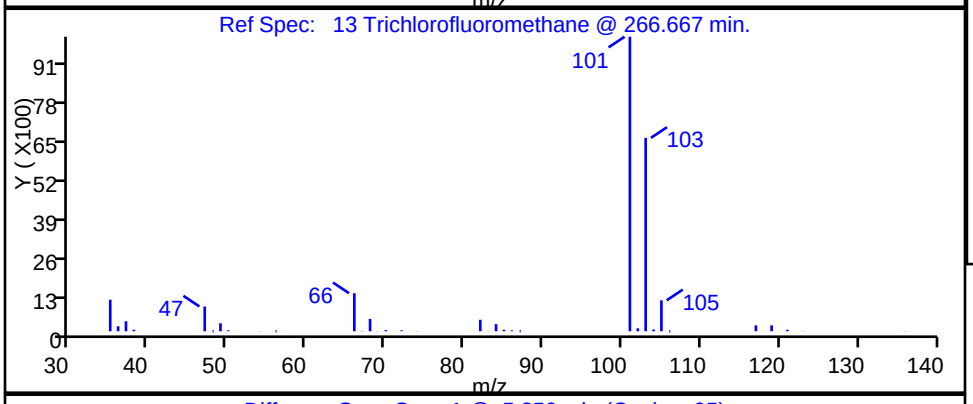
13 Trichlorofluoromethane, CAS: 75-69-4

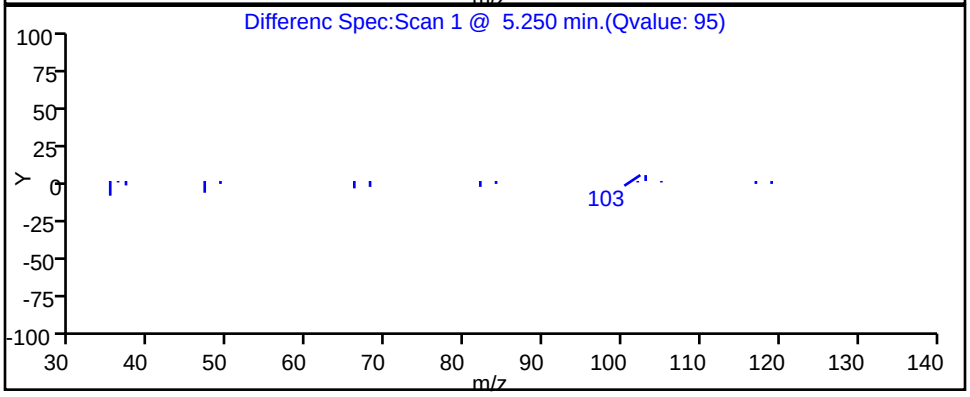








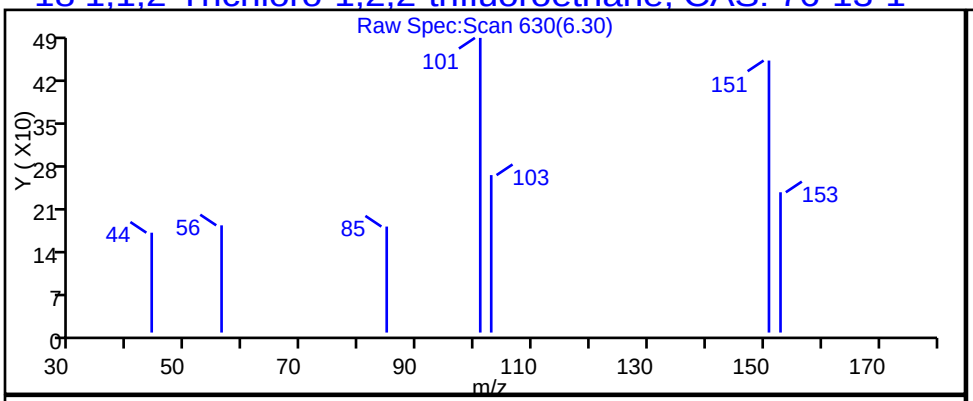


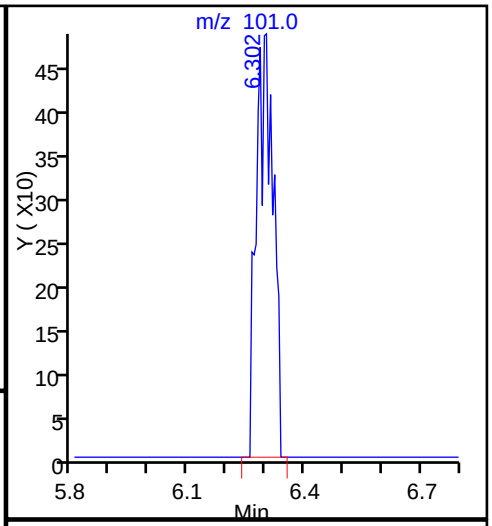


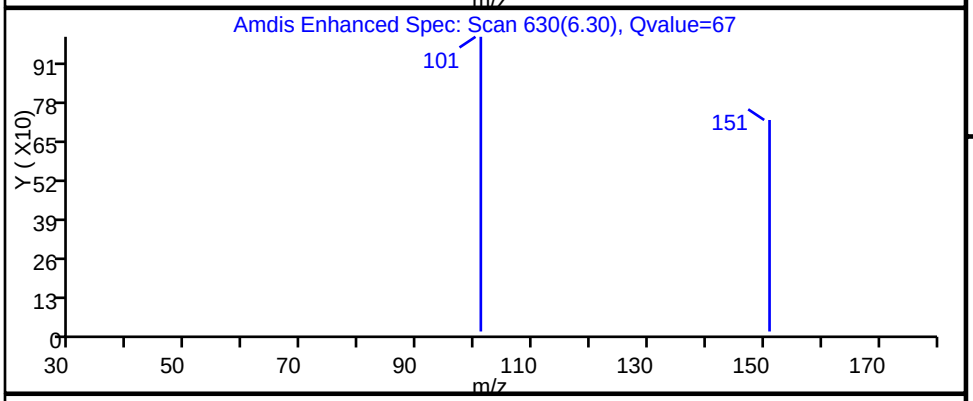
TestAmerica Burlington

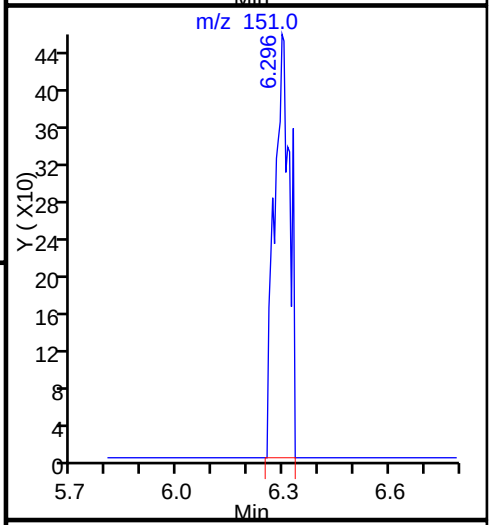
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

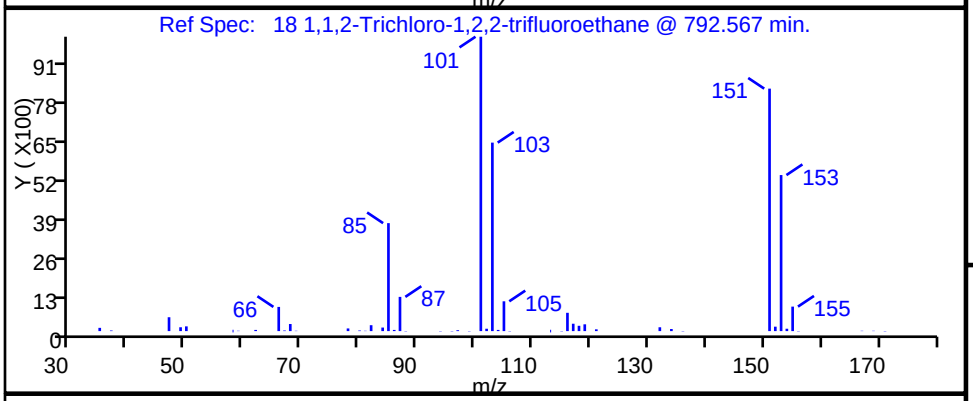
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

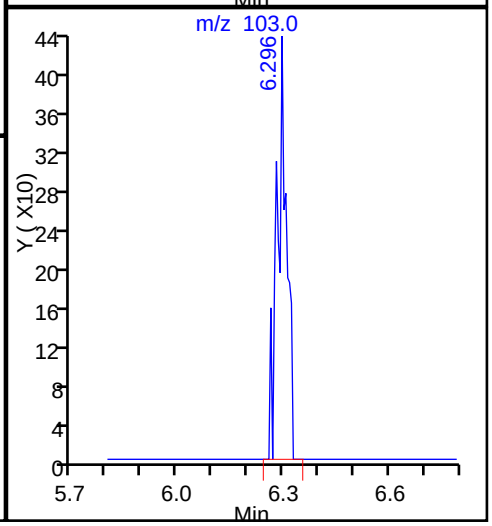


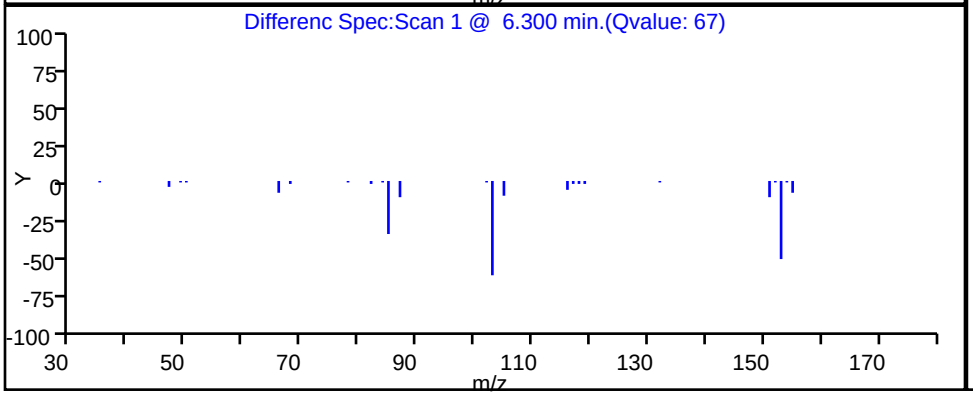








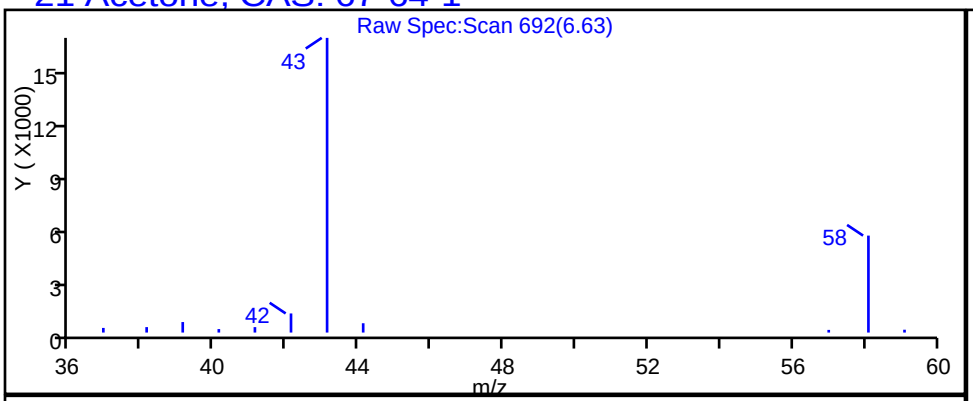


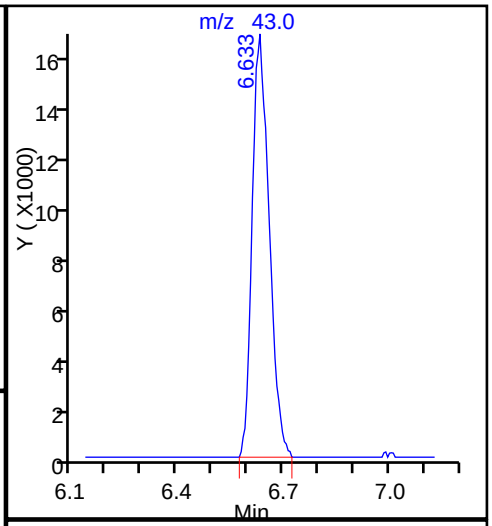


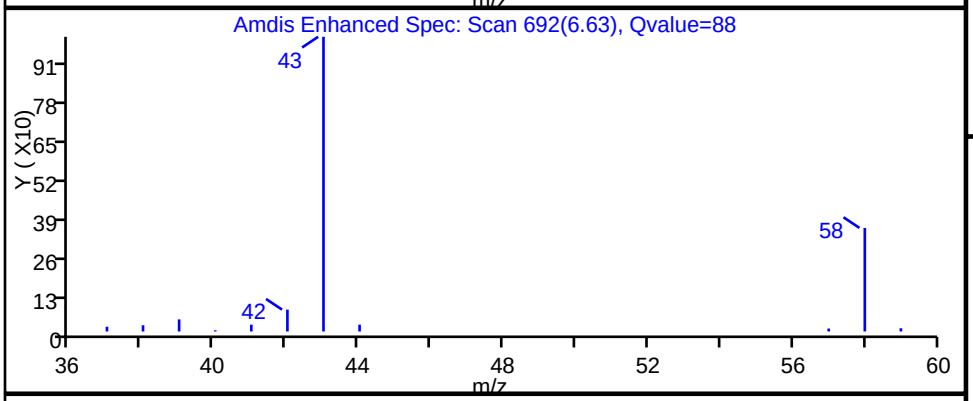
TestAmerica Burlington

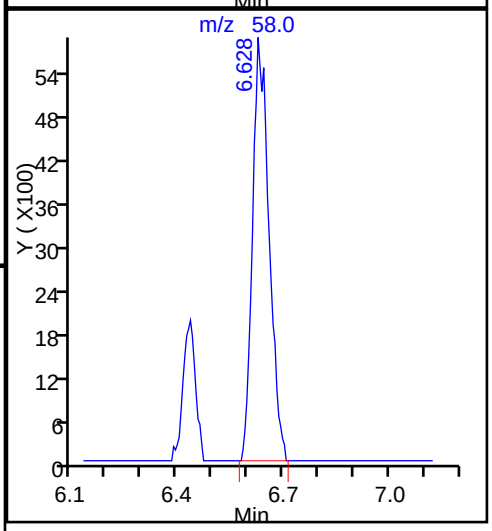
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

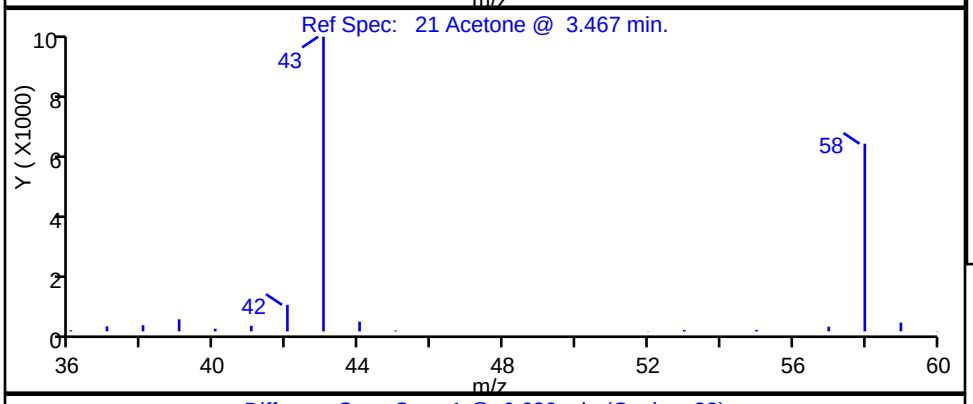
21 Acetone, CAS: 67-64-1

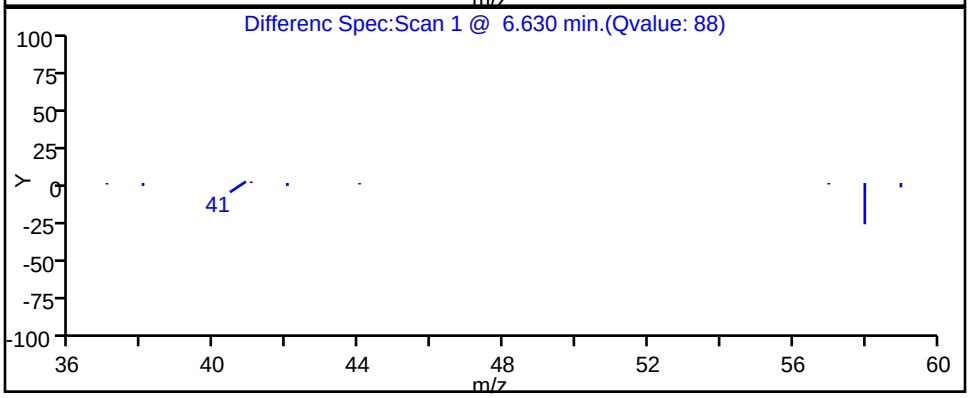








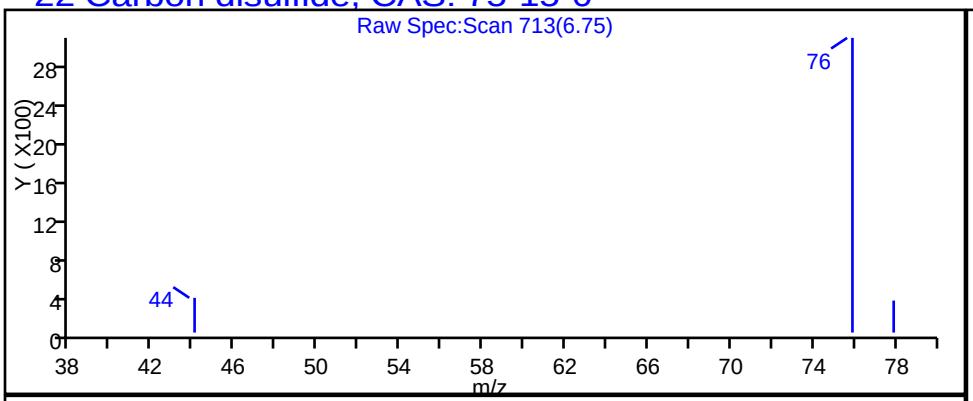


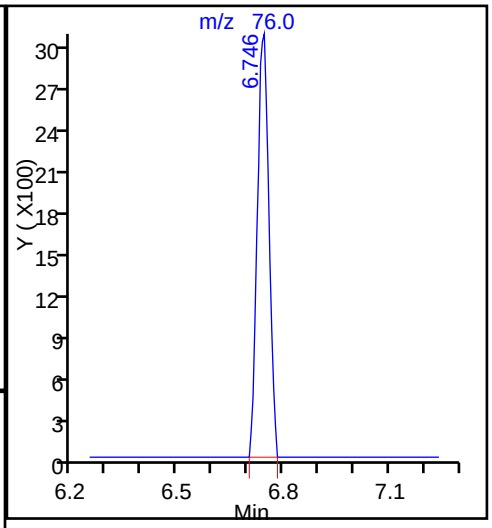


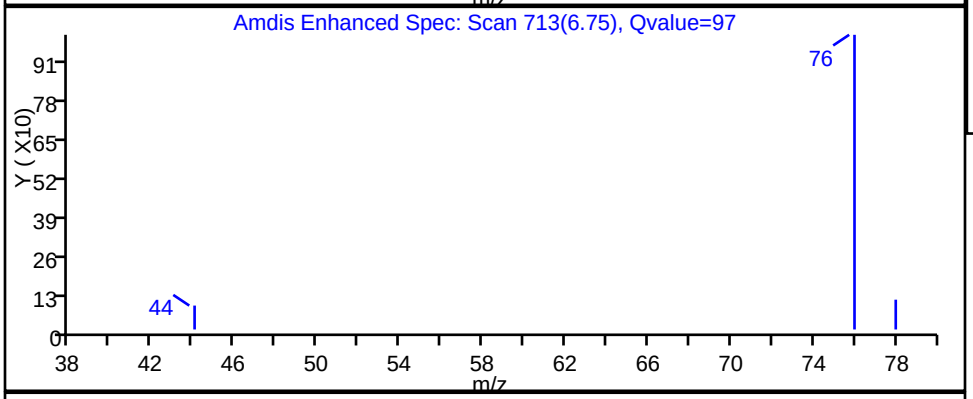
TestAmerica Burlington

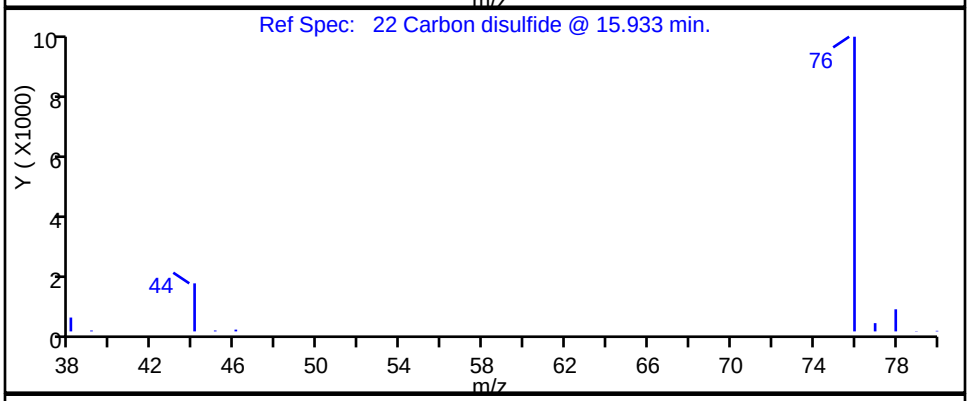
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

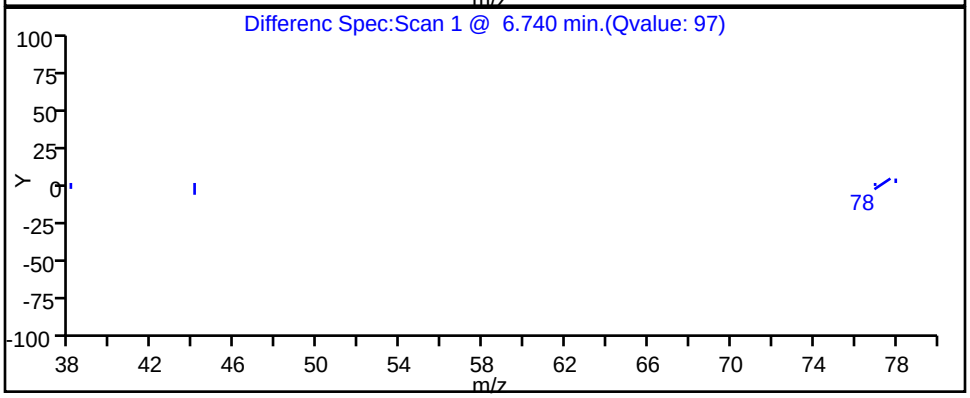
22 Carbon disulfide, CAS: 75-15-0







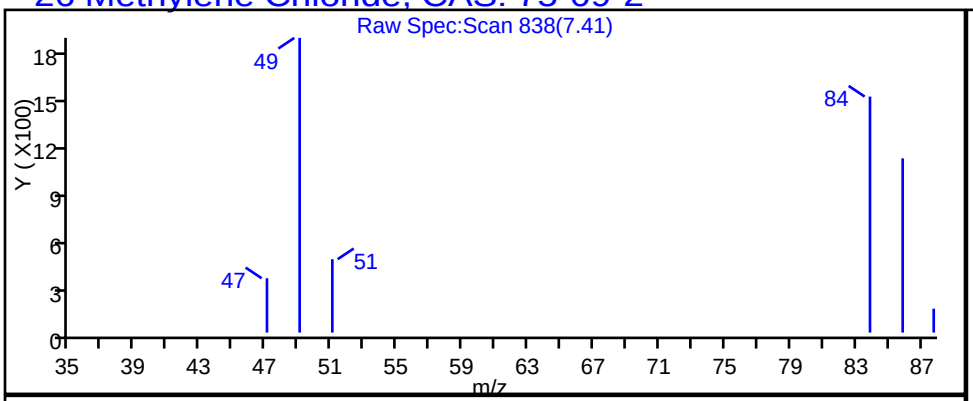


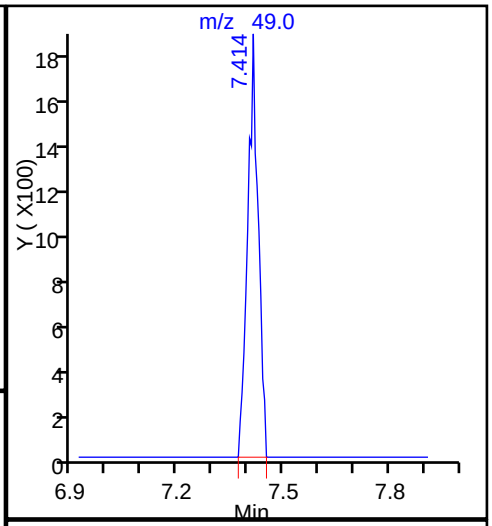


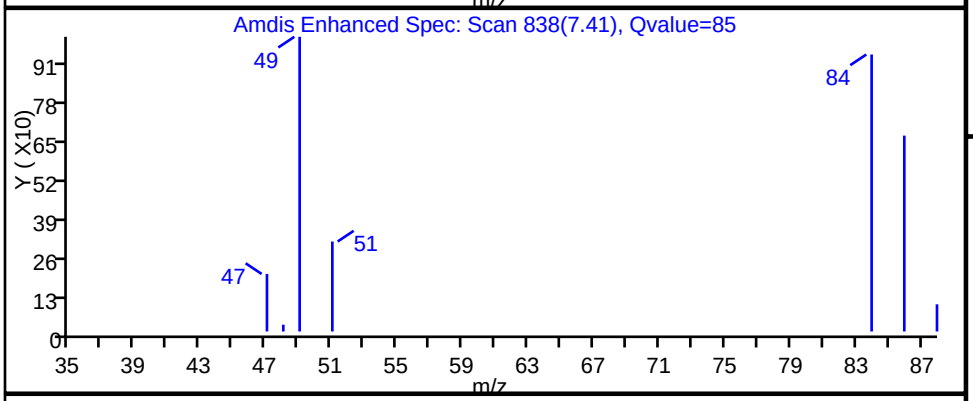
TestAmerica Burlington

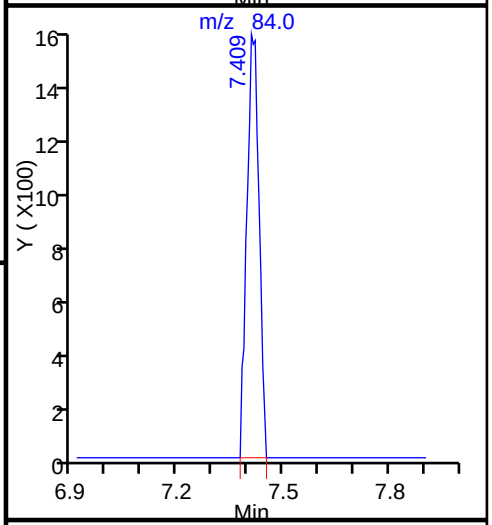
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

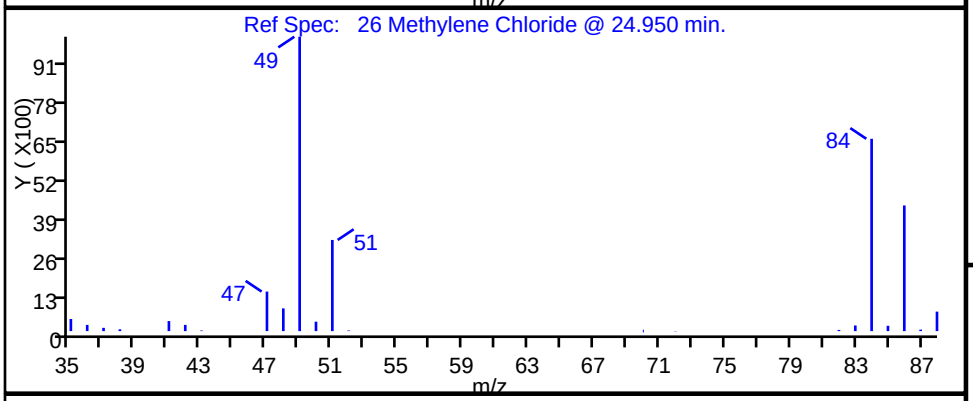
26 Methylene Chloride, CAS: 75-09-2

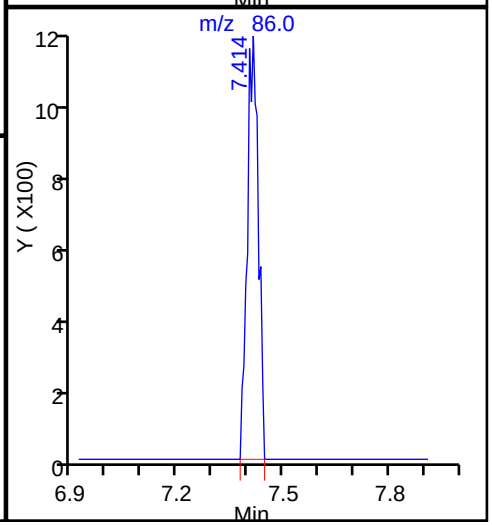


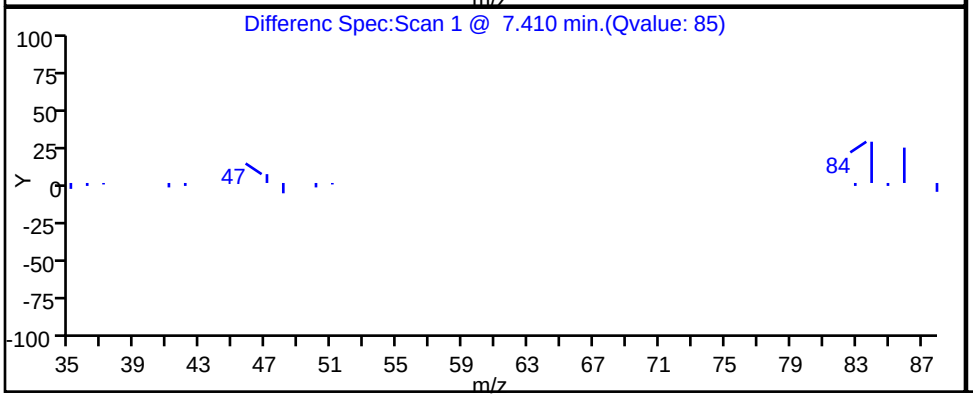








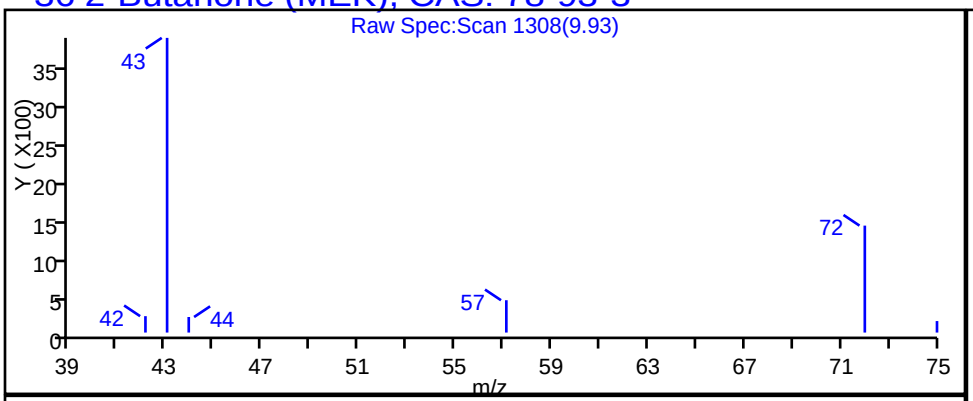


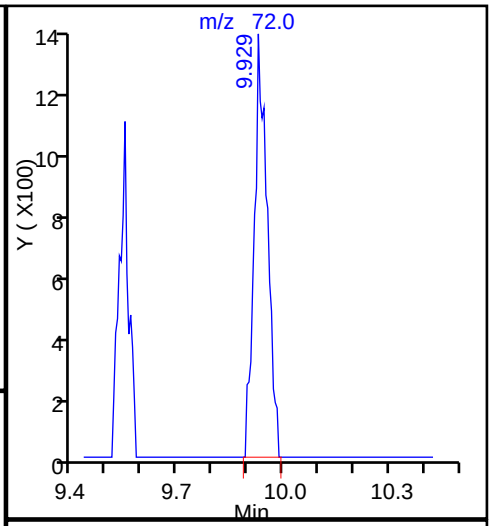


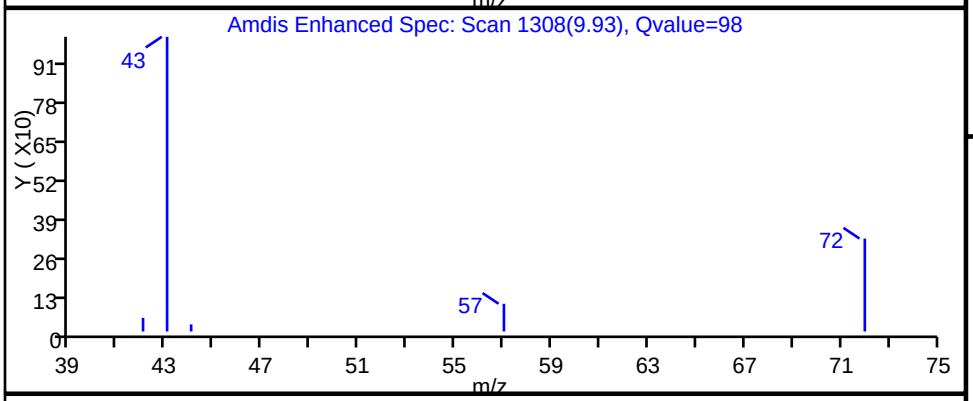
TestAmerica Burlington

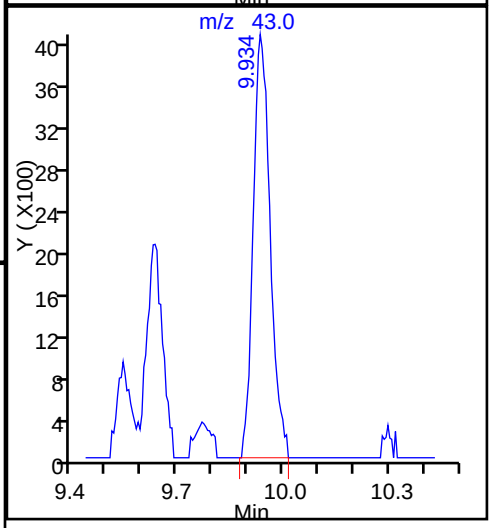
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

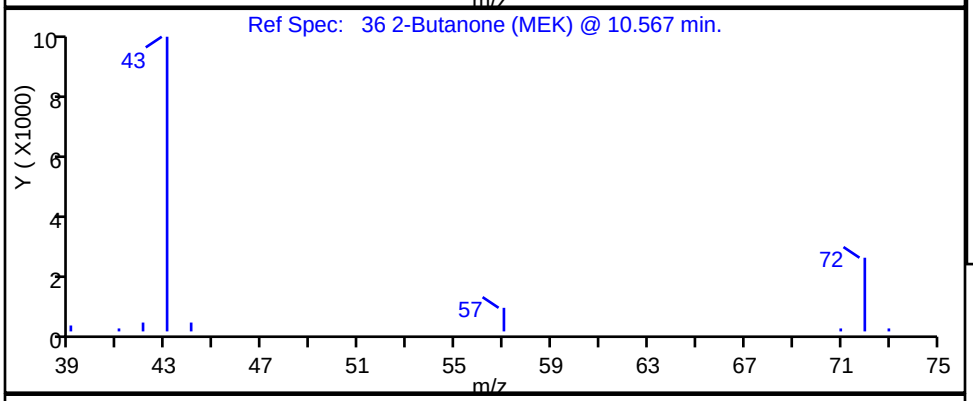
36 2-Butanone (MEK), CAS: 78-93-3

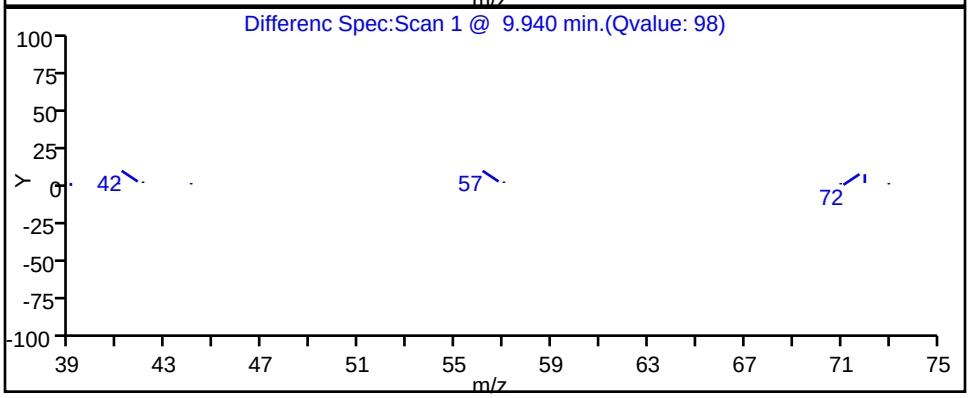








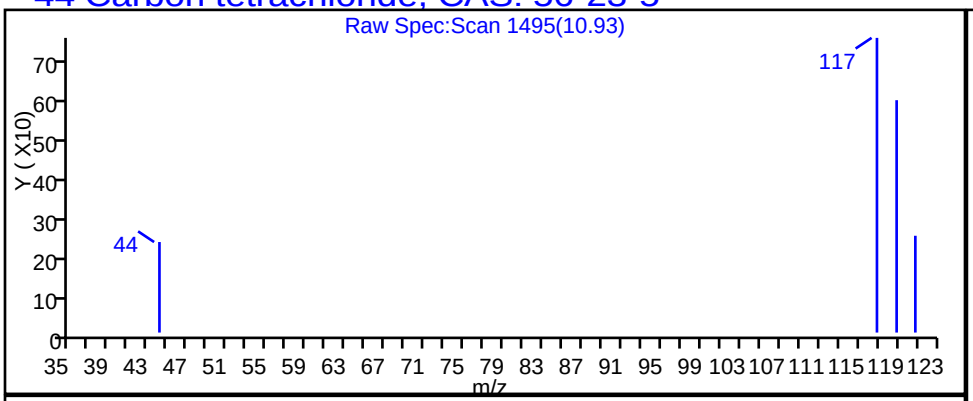


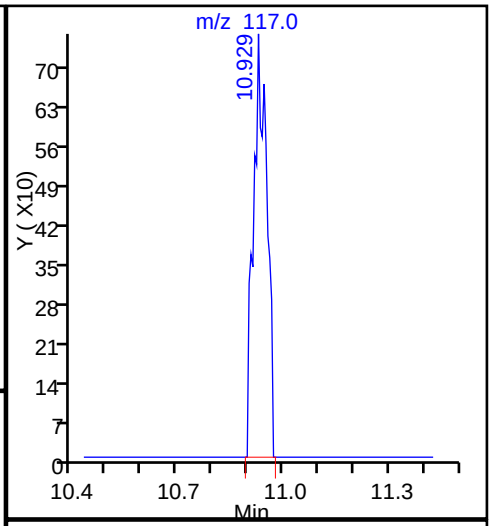


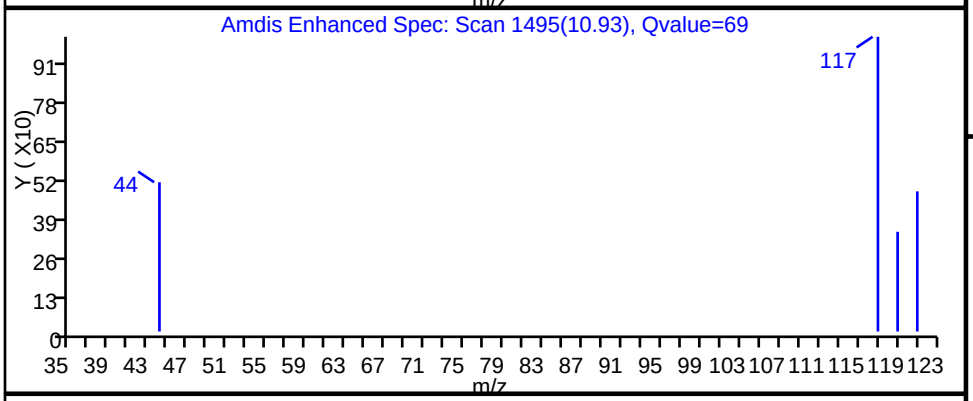
TestAmerica Burlington

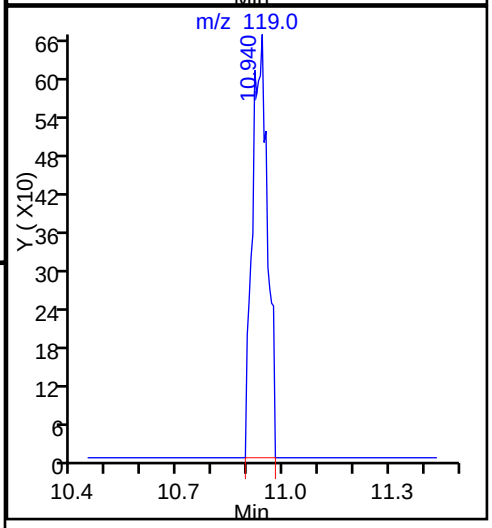
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

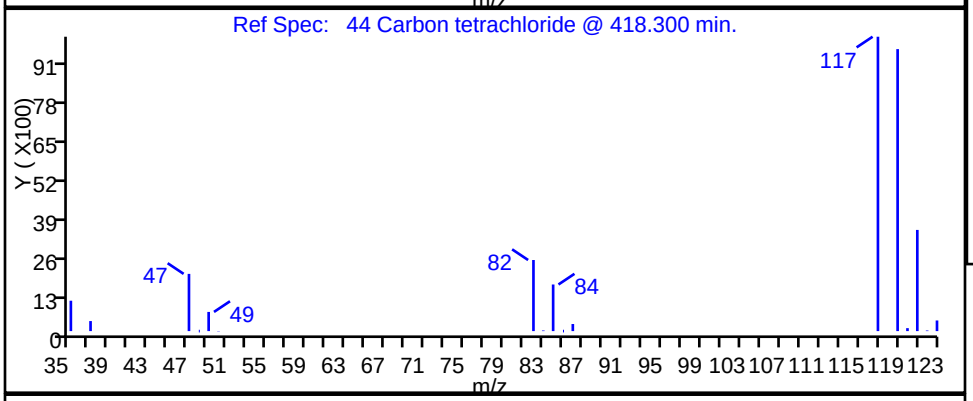
44 Carbon tetrachloride, CAS: 56-23-5

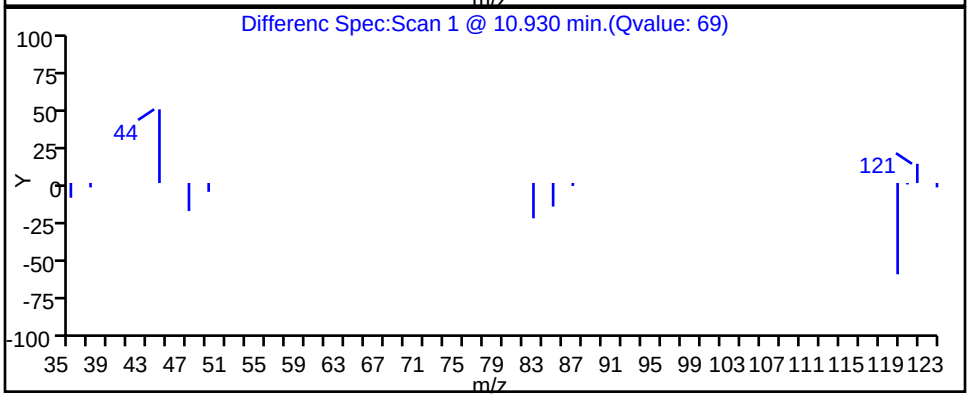








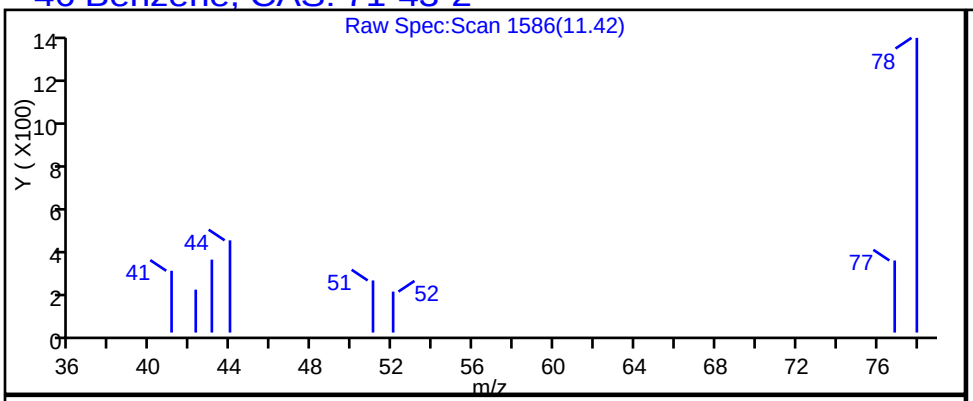


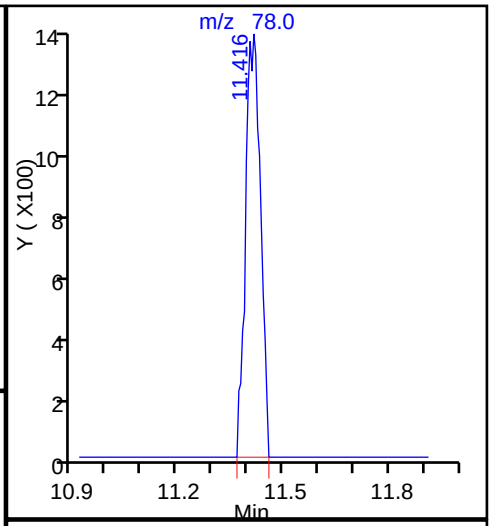


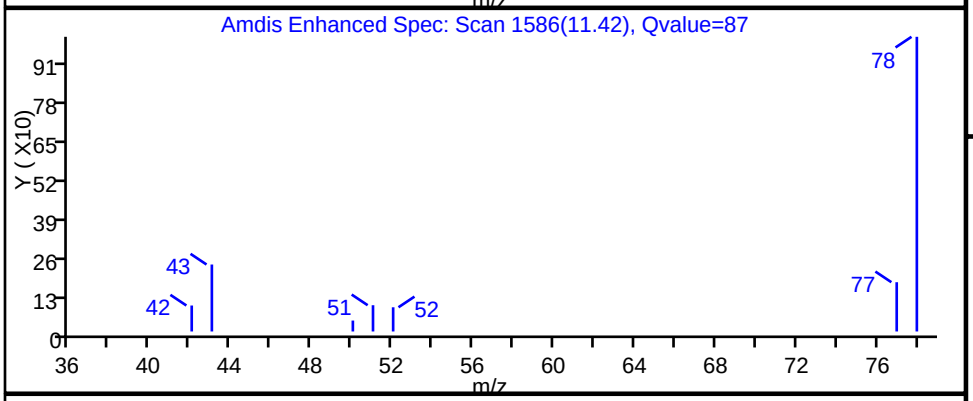
TestAmerica Burlington

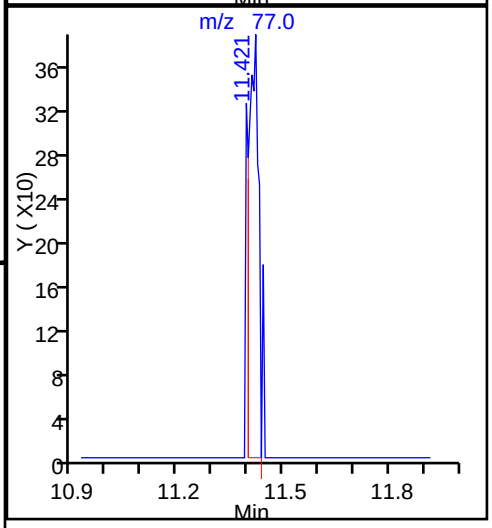
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

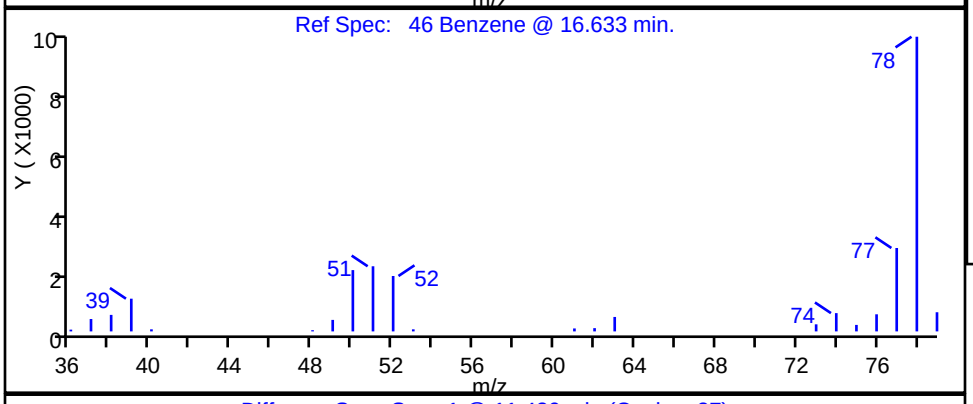
46 Benzene, CAS: 71-43-2

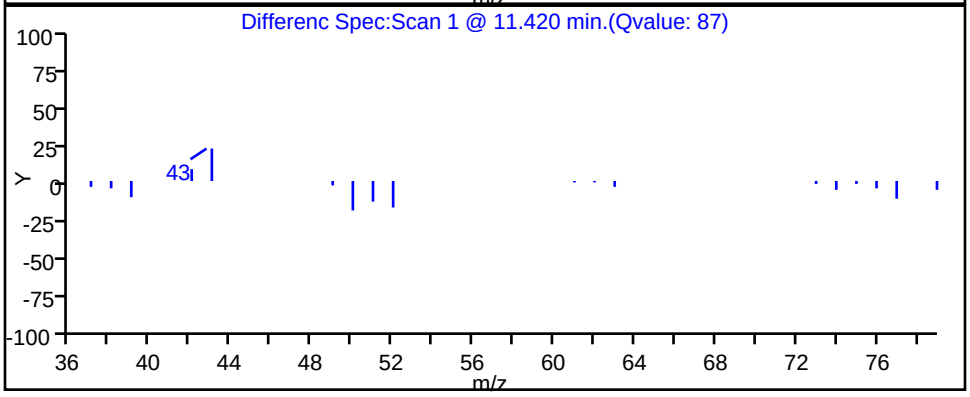








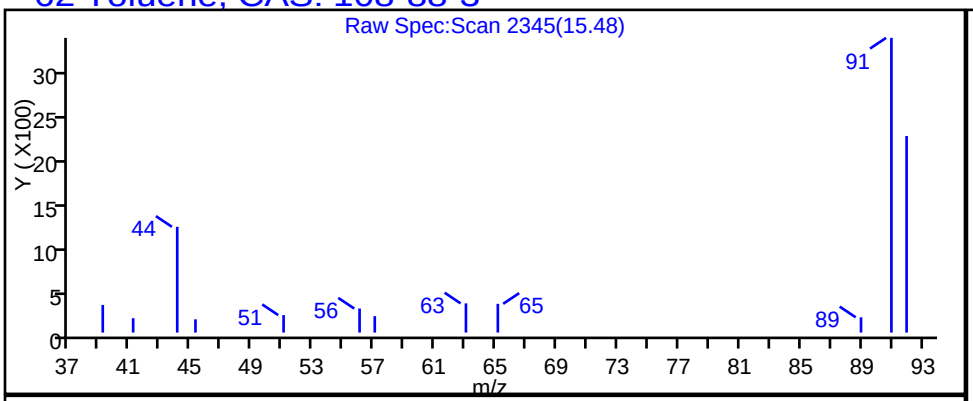


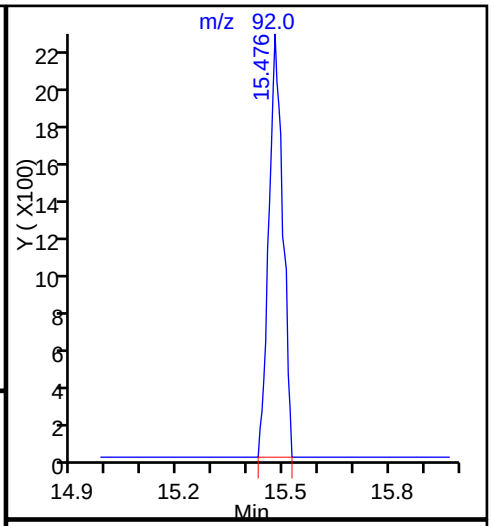


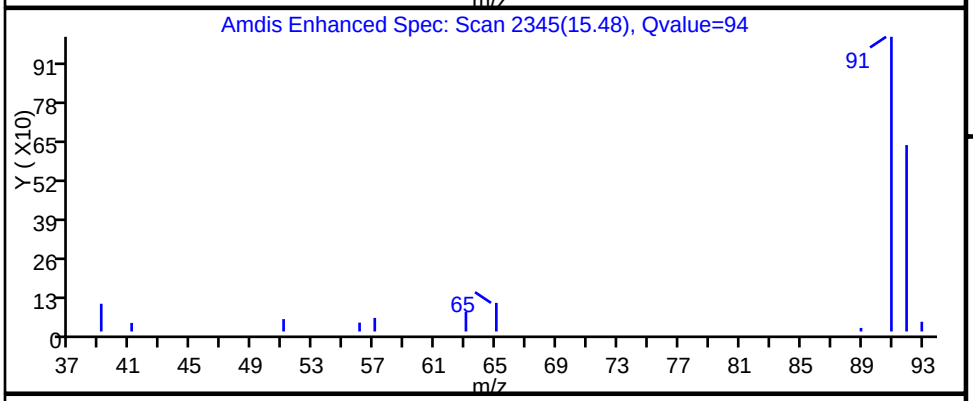
TestAmerica Burlington

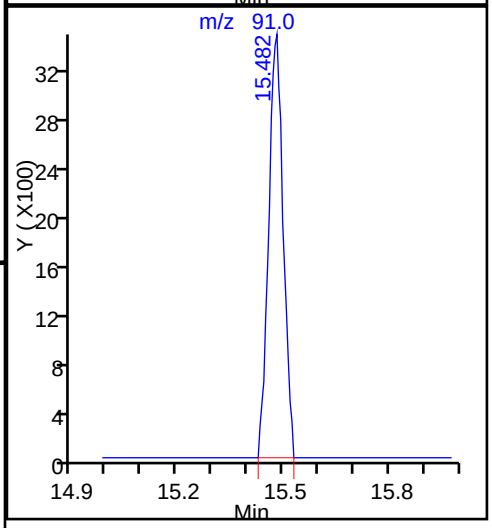
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D
Injection Date: 05-Sep-2015 03:19:30 Instrument ID: CHX.i
Lims ID: 200-29580-A-18 Lab Sample ID: 200-29580-18
Client ID: 785786OA11
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

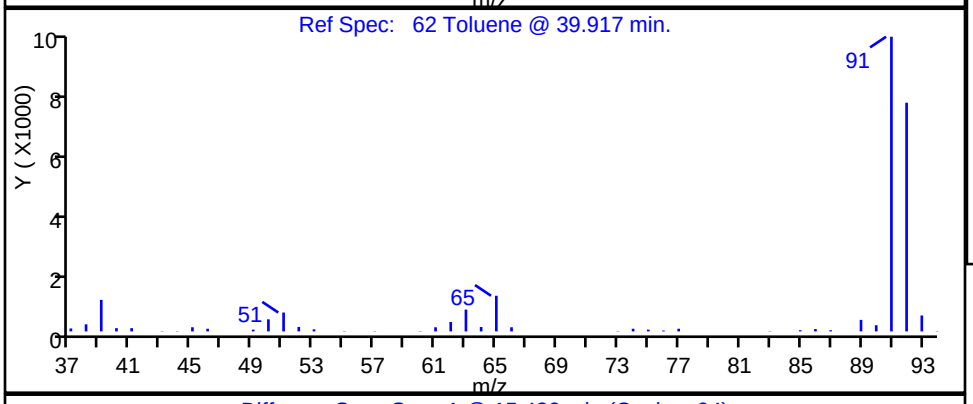
62 Toluene, CAS: 108-88-3

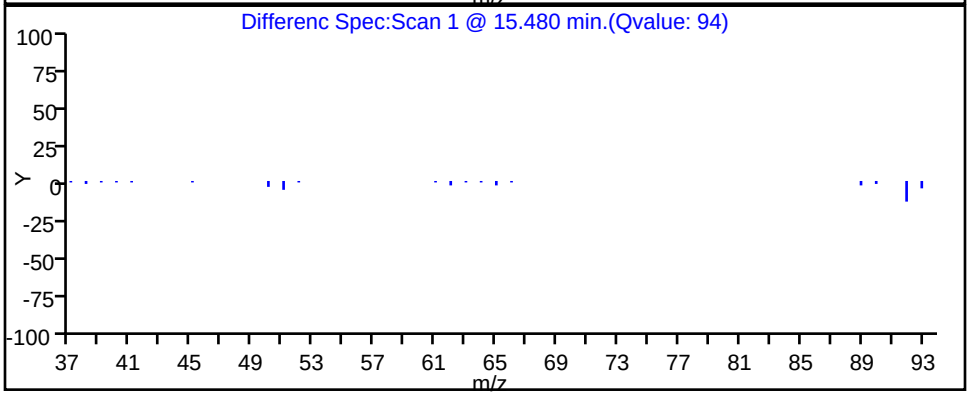








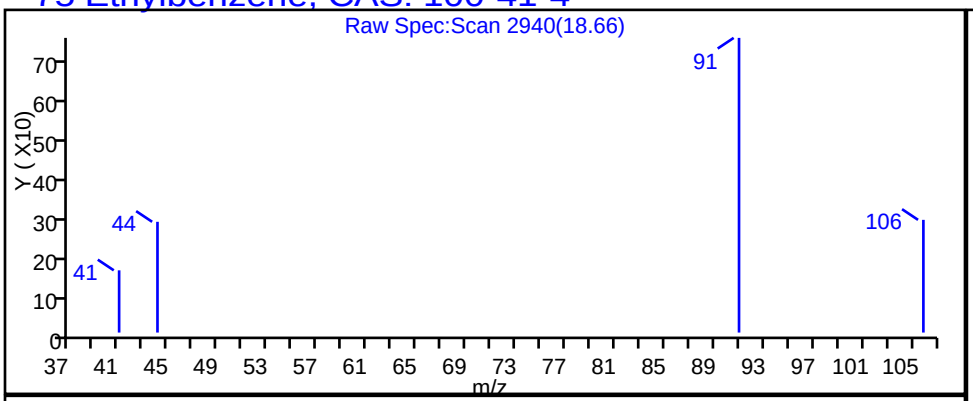


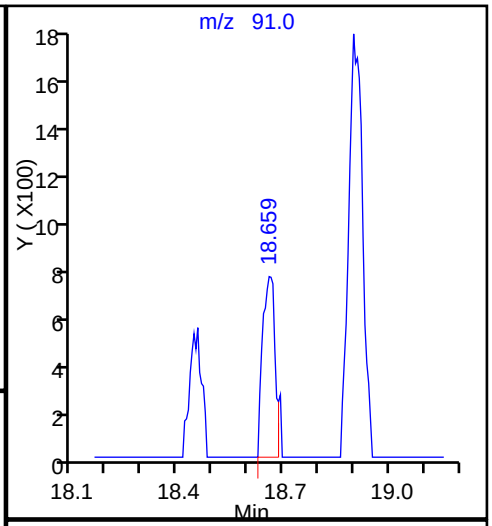


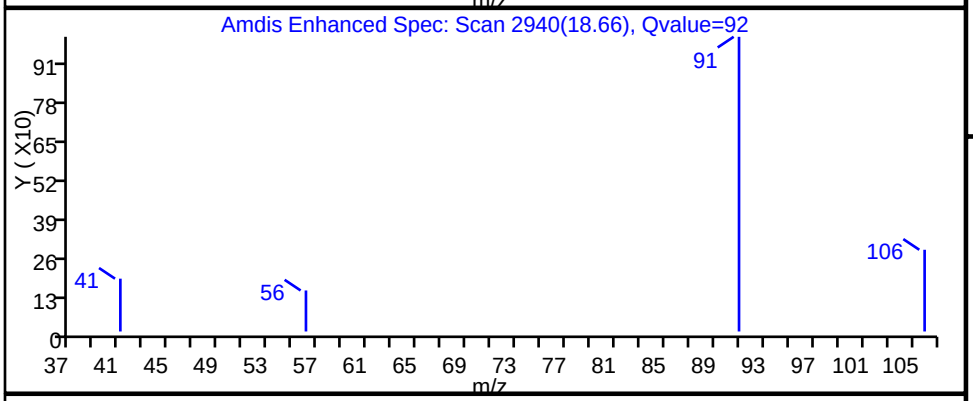
TestAmerica Burlington

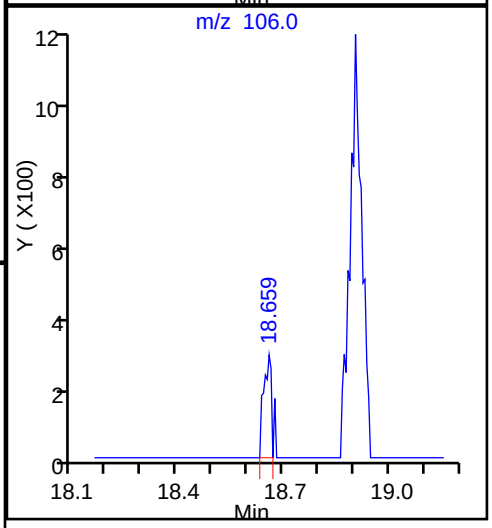
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

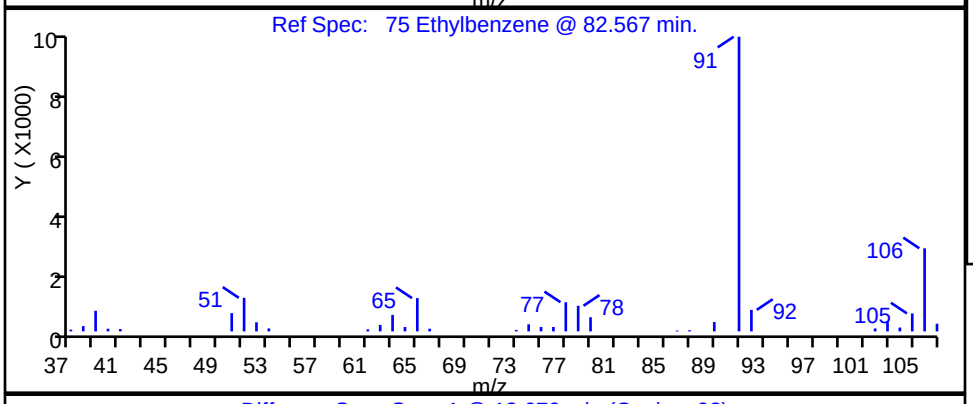
75 Ethylbenzene, CAS: 100-41-4

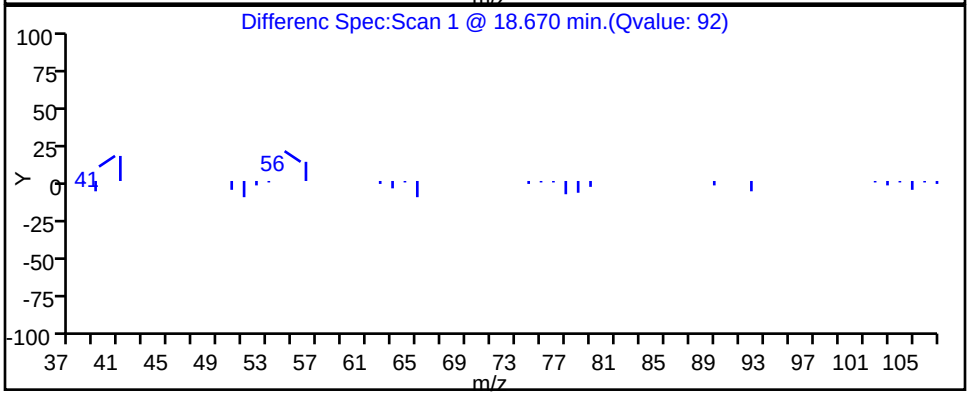








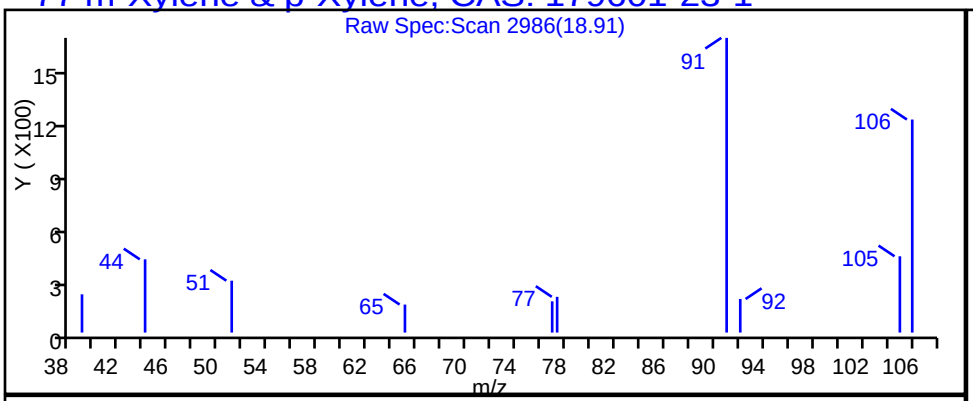


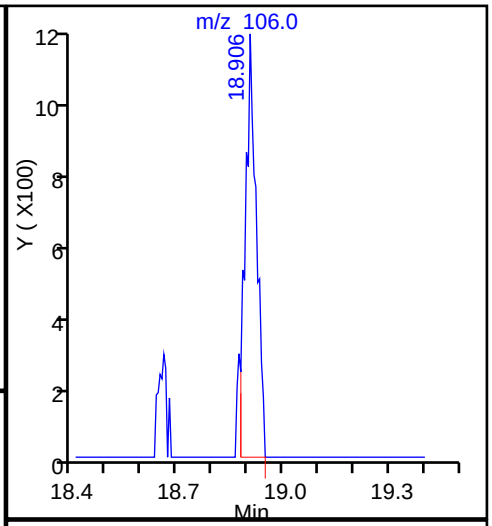


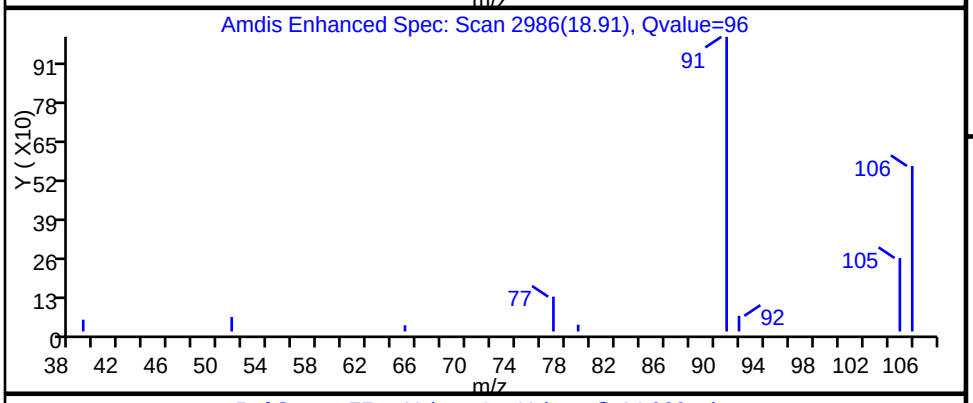
TestAmerica Burlington

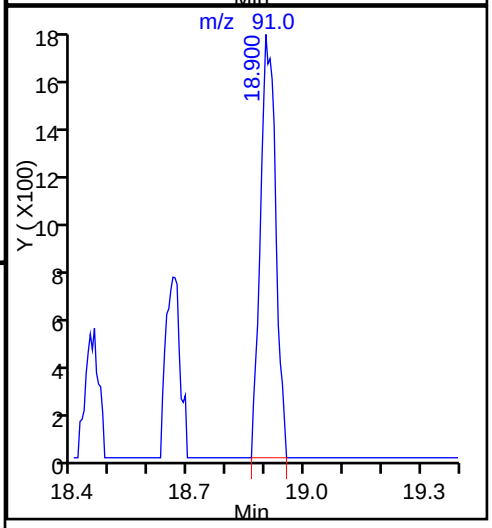
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

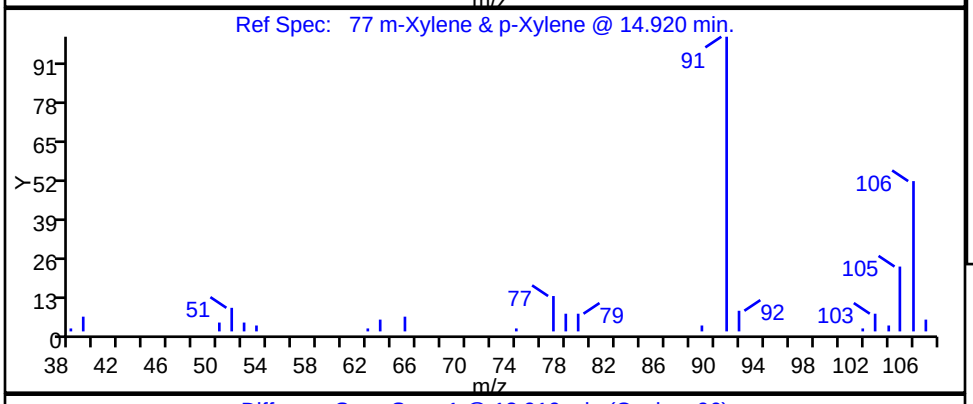
77 m-Xylene & p-Xylene, CAS: 179601-23-1

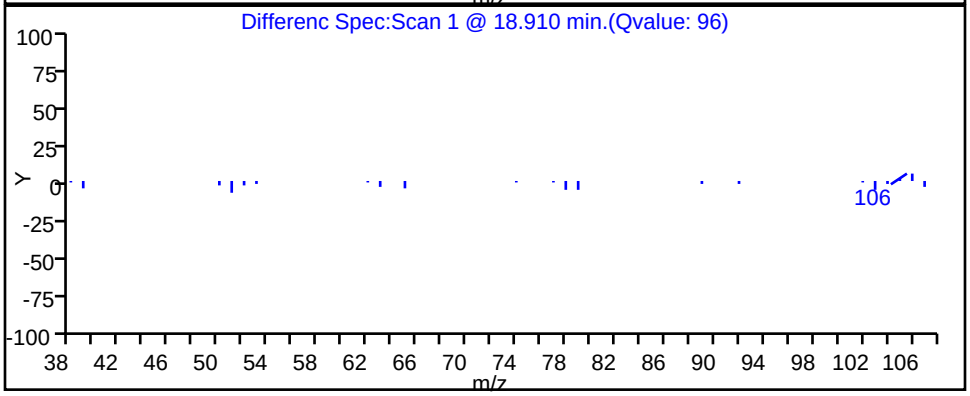










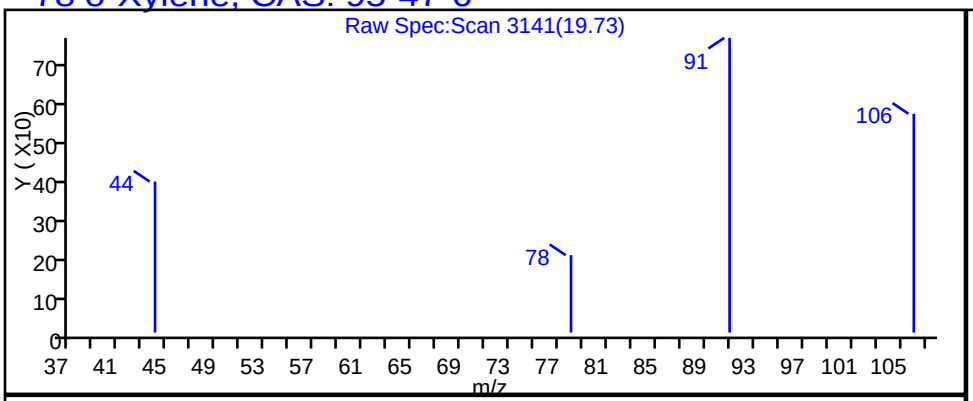


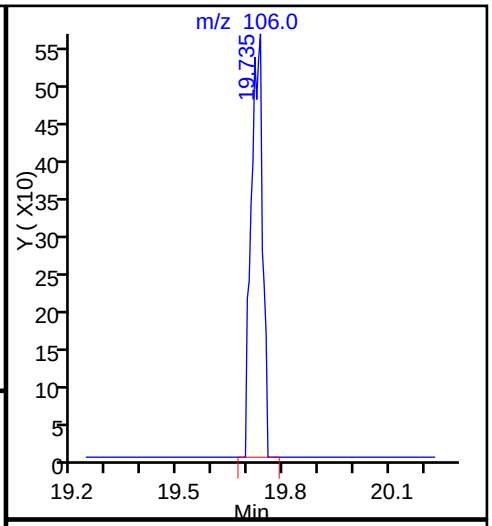
TestAmerica Burlington

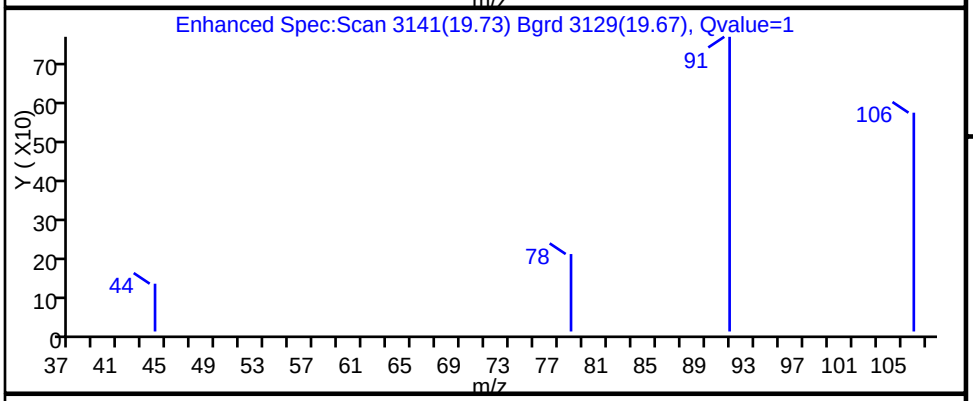
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D

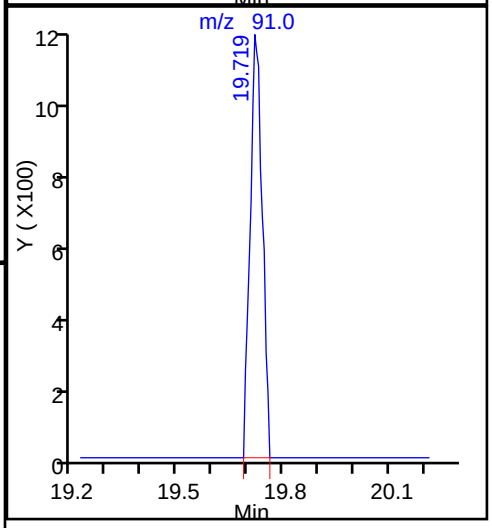
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

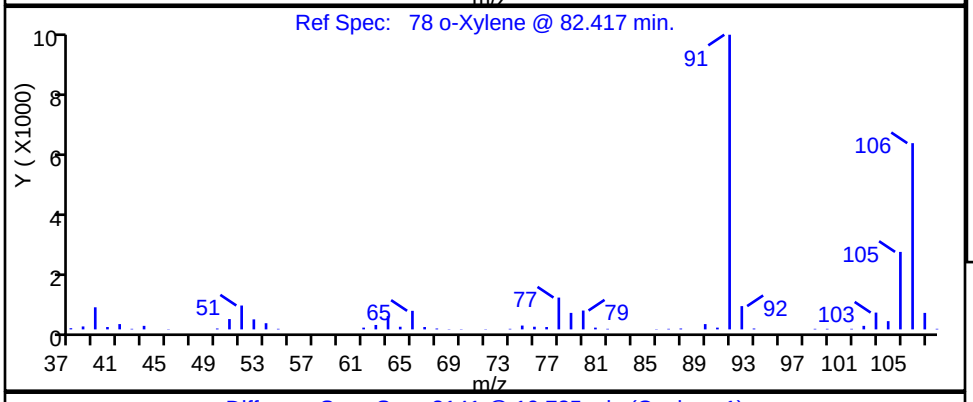
78 o-Xylene, CAS: 95-47-6

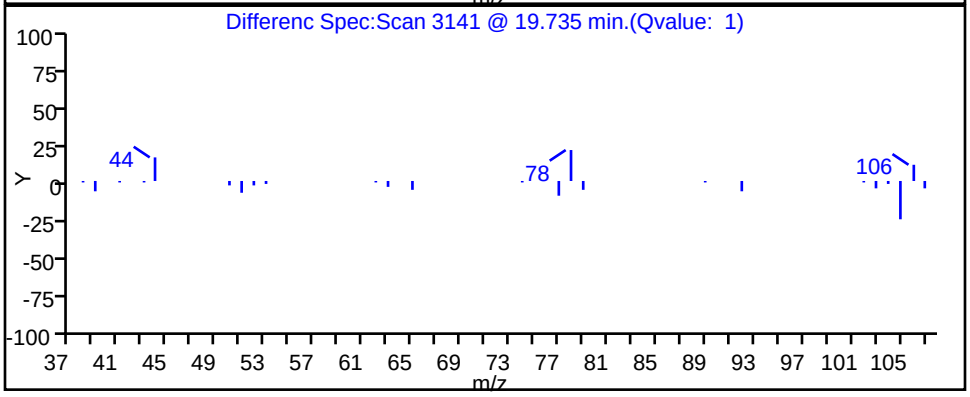








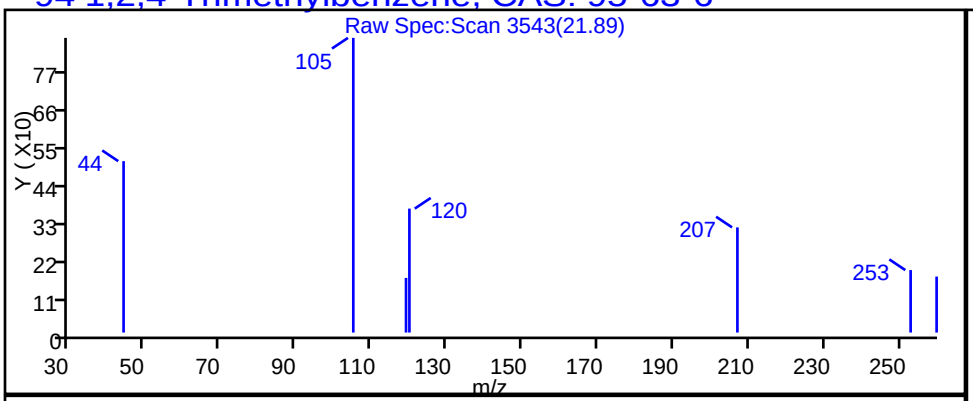


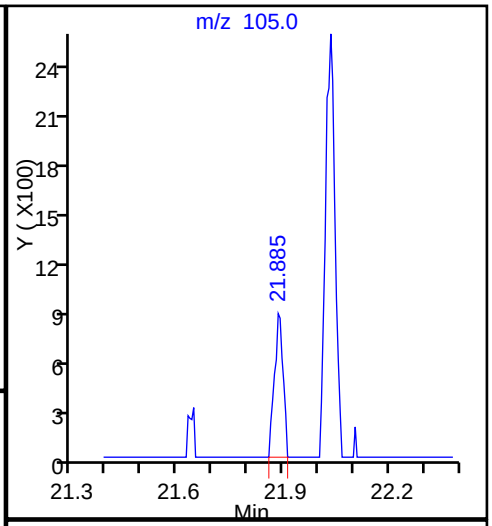


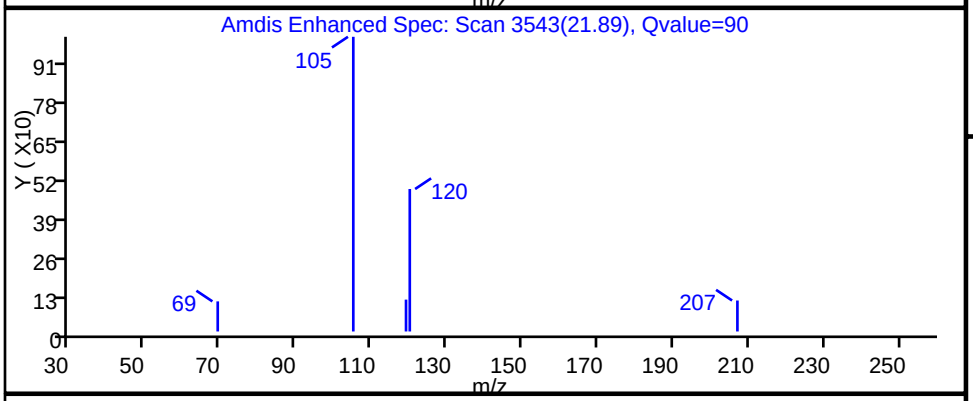
TestAmerica Burlington

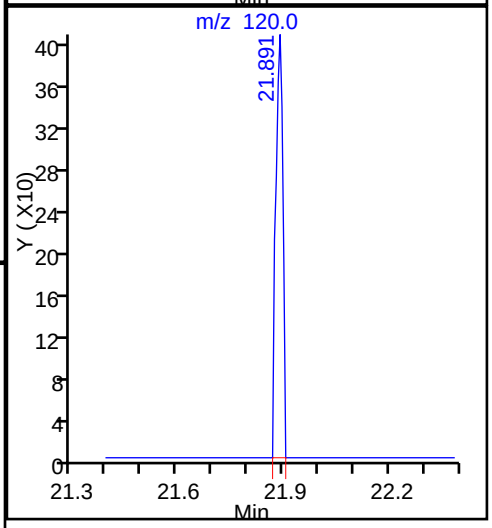
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

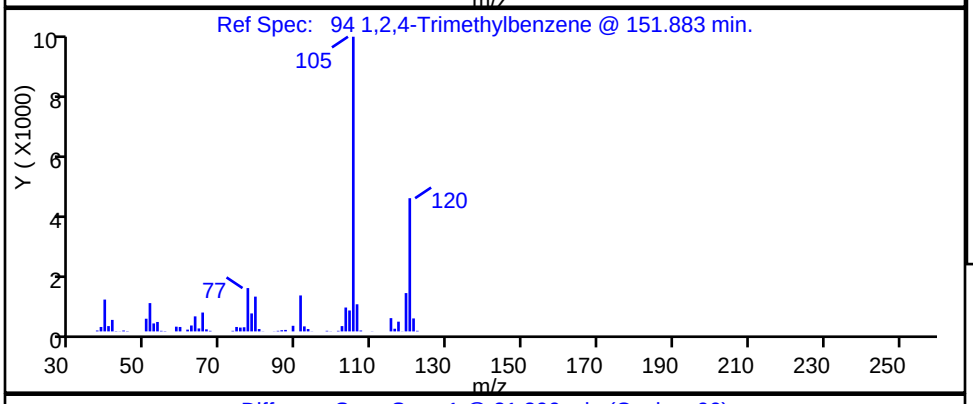
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

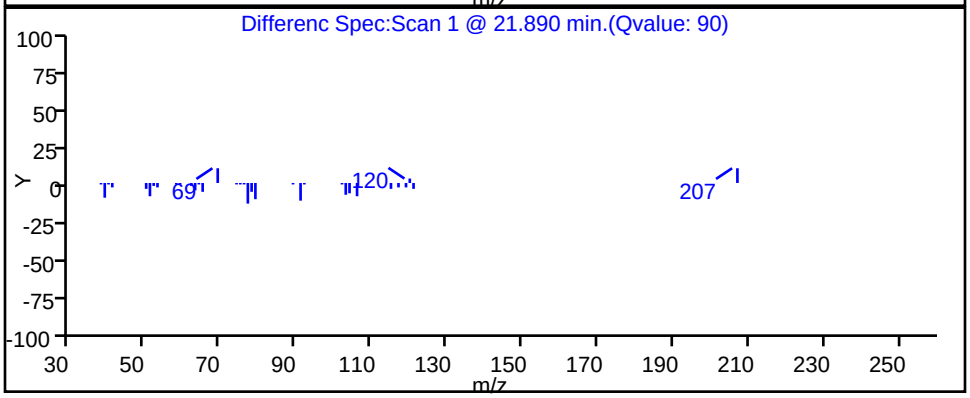












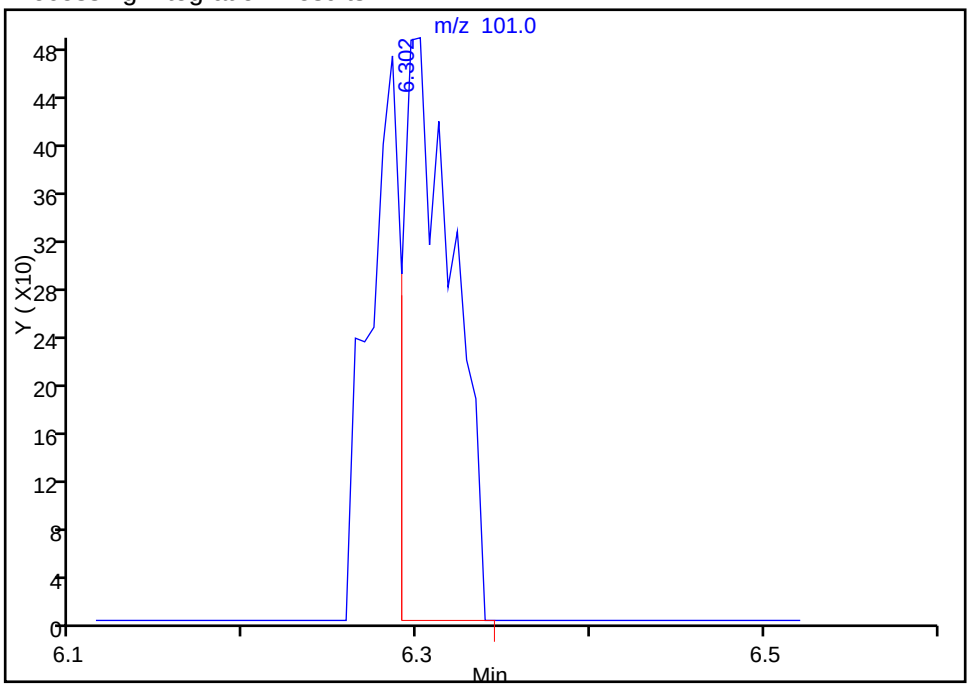
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

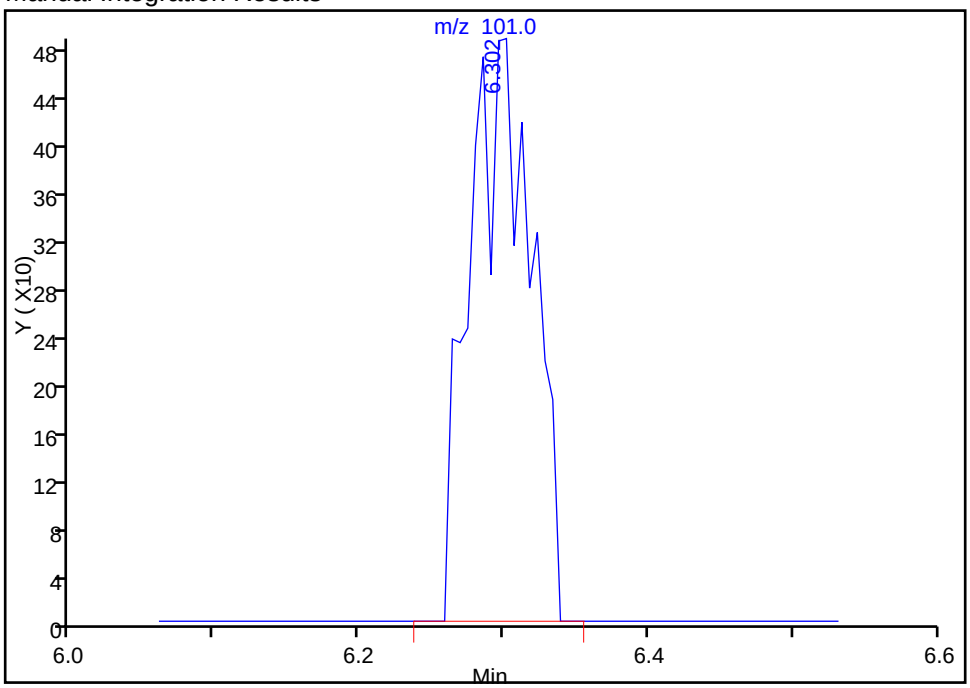
Processing Integration Results

RT: 6.30
Area: 951
Amount: 0.041890
Amount Units: ppb v/v



Manual Integration Results

RT: 6.30
Area: 1453
Amount: 0.064002
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:16:14
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

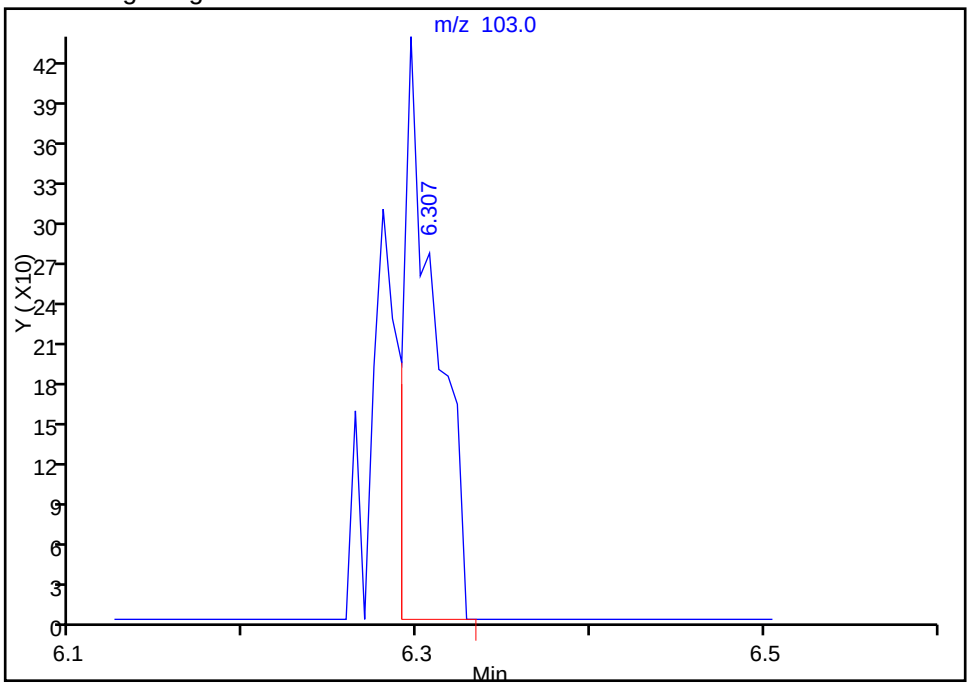
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

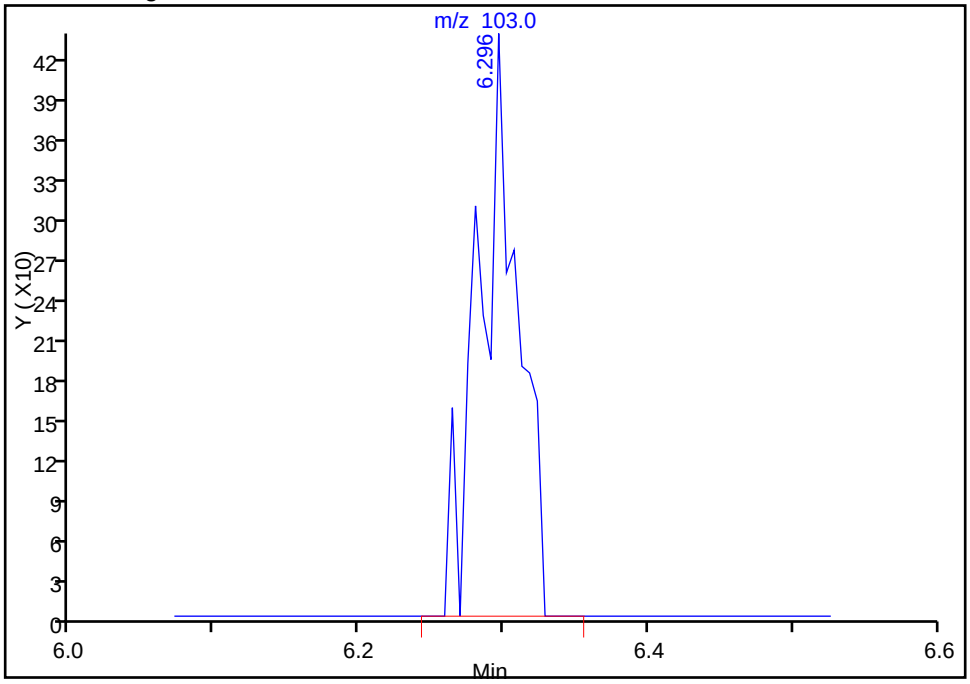
Processing Integration Results

RT: 6.31
Area: 542
Amount: 0.041890
Amount Units: ppb v/v



Manual Integration Results

RT: 6.30
Area: 824
Amount: 0.064002
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:16:14
Audit Action: Manually Integrated
Audit Reason: Baseline

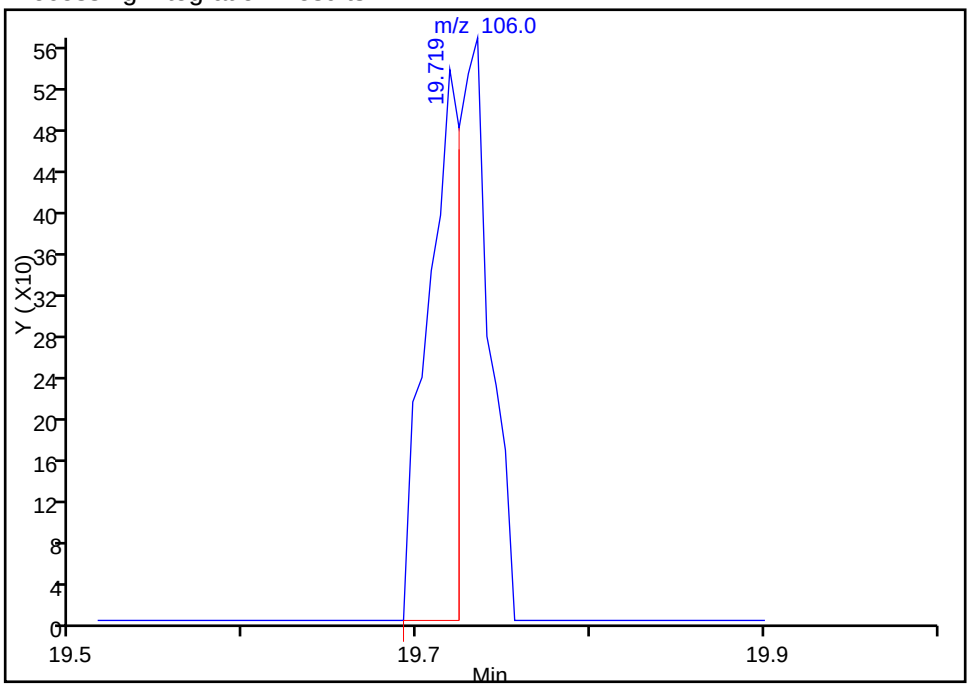
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_20.D				
Injection Date:	05-Sep-2015 03:19:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-18	Lab Sample ID:	200-29580-18		
Client ID:	785786OA11				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

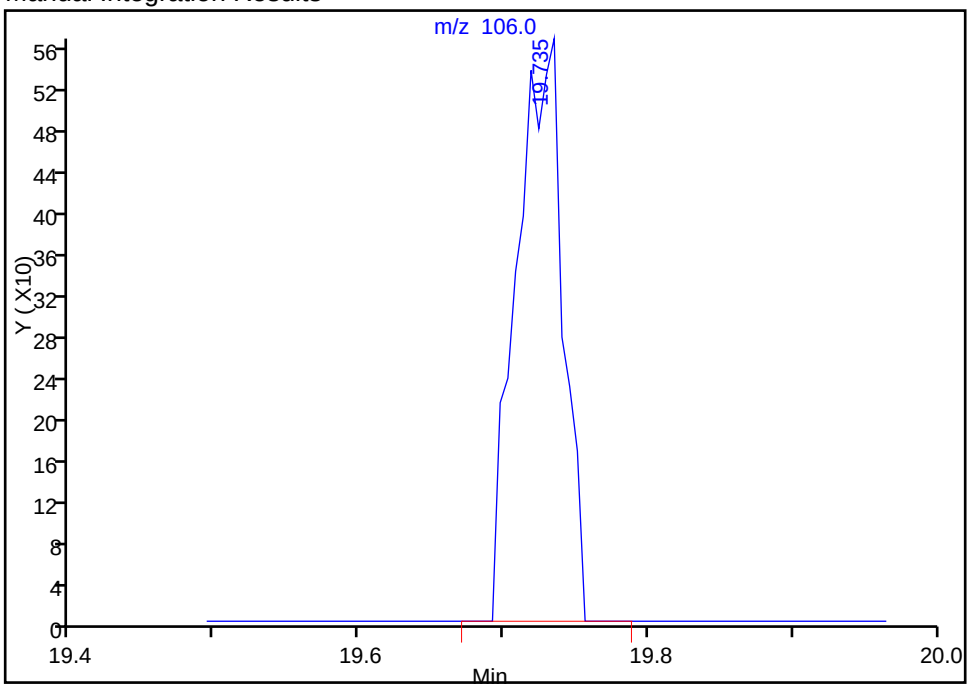
Processing Integration Results

RT: 19.72
Area: 707
Amount: 0.020899
Amount Units: ppb v/v



Manual Integration Results

RT: 19.73
Area: 1276
Amount: 0.037719
Amount Units: ppb v/v



Reviewer: desjardinsb, 08-Sep-2015 09:16:14
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0202PA Lab Sample ID: 200-29580-19

Matrix: Air Lab File ID: 15679_020.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 00:15

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.56		0.50	0.056
75-45-6	Freon 22	86.47	0.27	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	2.0		0.50	0.060
106-97-8	n-Butane	58.12	0.43	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.045
76-13-1	Freon TF	187.38	0.089	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	5.9		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	1.7	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	1.5		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	1.1	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.064	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.2		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	J	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.058	J	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	7.3		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.091	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.080	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0202PA | Lab Sample ID: 200-29580-19

Matrix: Air | Lab File ID: 15679_020.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) | Date Analyzed: 09/11/2015 00:15

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	2.9		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.23	J	0.50	0.18
108-88-3	Toluene	92.14	0.57		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.19	J	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	1.3		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.5		0.50	0.025
95-47-6	Xylene, o-	106.17	0.66		0.20	0.018
1330-20-7	Xylene (total)	106.17	2.2		0.70	0.041
100-42-5	Styrene	104.15	0.12	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.12	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.16	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.20		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.22		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.79		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.082	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.36		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.035	J	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0202PA Lab Sample ID: 200-29580-19

Matrix: Air Lab File ID: 15679_020.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 00:15

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.10	J	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0202PA Lab Sample ID: 200-29580-19

Matrix: Air Lab File ID: 15679_020.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 00:15

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.7		2.5	0.28
75-45-6	Freon 22	86.47	0.95	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	4.2		1.0	0.12
106-97-8	n-Butane	58.12	1.0	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.25
76-13-1	Freon TF	187.38	0.68	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	14		12	1.6
67-63-0	Isopropyl alcohol	60.10	4.2	J	12	0.37
75-15-0	Carbon disulfide	76.14	4.8		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	3.3	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.23	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	3.6		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.16	J	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.28	J	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	21		15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.57	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.25	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0202PA | Lab Sample ID: 200-29580-19

Matrix: Air | Lab File ID: 15679_020.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) | Date Analyzed: 09/11/2015 00:15

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	15		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.96	J	2.0	0.74
108-88-3	Toluene	92.14	2.1		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.77	J	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	5.8		0.87	0.087
179601-23-1	m,p-Xylene	106.17	6.5		2.2	0.11
95-47-6	Xylene, o-	106.17	2.9		0.87	0.078
1330-20-7	Xylene (total)	106.17	9.4		3.0	0.18
100-42-5	Styrene	104.15	0.52	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.61	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.78	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.98		0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	1.1		0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	3.9		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.45	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	2.2		1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.21	J	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0202PA Lab Sample ID: 200-29580-19

Matrix: Air Lab File ID: 15679_020.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 00:15

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.54	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Sample Type: Client
Inject. Date: 11-Sep-2015 00:15:30 ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-020
Misc. Info.: 29580-19
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:40:01 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:40:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.420	4.415	0.005	99	42172	0.5554	
3 Chlorodifluoromethane	51	4.495	4.485	0.010	96	9152	0.2677	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	5.003	4.998	0.005	99	40148	2.04	
6 Butane	43	5.282	5.282	0.000	92	12407	0.4318	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.298	7.288	0.010	98	20283	0.2425	
20 1,1,2-Trichloro-1,2,2-trif	101	8.588	8.593	-0.005	56	5620	0.0892	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.952	8.946	0.006	97	179152	5.86	
23 Carbon disulfide	76	9.166	9.166	0.000	98	112416	1.53	
24 Isopropyl alcohol	45	9.230	9.224	0.006	98	44933	1.70	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.936	9.931	0.005	81	2734	0.1149	
28 2-Methyl-2-propanol	59	10.128	10.123	0.005	95	45045	1.08	
S 30 1,2-Dichloroethene, Total	61				0		0.0397	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.861	10.856	0.005	89	2468	0.0641	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96	12.621	12.621	0.000	69	1413	0.0397	
38 2-Butanone (MEK)	72	12.659	12.654	0.005	97	18923	1.22	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	72	235709	10.0	
41 Tetrahydrofuran	42	13.114	13.114	0.000	83	158993	7.28	
42 Chloroform	83	13.215	13.221	-0.006	87	3589	0.0577	
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.793	13.788	0.005	97	6085	0.0909	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.258	14.259	0.000	92	7504	0.0798	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1092859	10.0	
53 Trichloroethene	95	15.484	15.484	0.000	95	126743	2.87	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.629	0.005	93	11324	0.2333	
65 Toluene	92	17.960	17.960	0.000	93	43295	0.5694	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43	19.271	19.266	0.005	96	9176	0.1884	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		2.17	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1054532	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.897	20.903	-0.006	97	220415	1.33	
78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	100	103044	1.51	
79 o-Xylene	106	21.807	21.807	0.000	98	46617	0.6602	
80 Styrene	104	21.839	21.839	0.000	90	13075	0.1210	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.353	22.353	0.000	94	25134	0.1249	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.978	22.979	-0.001	99	36781	0.1587	
88 4-Ethyltoluene	105	23.139	23.144	-0.005	98	41019	0.1988	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	94	38876	0.2211	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	140750	0.7931	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	97	18461	0.0824	
96 1,3-Dichlorobenzene	146	24.337	24.337	0.000	94	49850	0.3632	
97 1,4-Dichlorobenzene	146	24.482	24.487	-0.005	47	4775	0.0349	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.783	28.772	0.011	99	22245	0.1034	

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

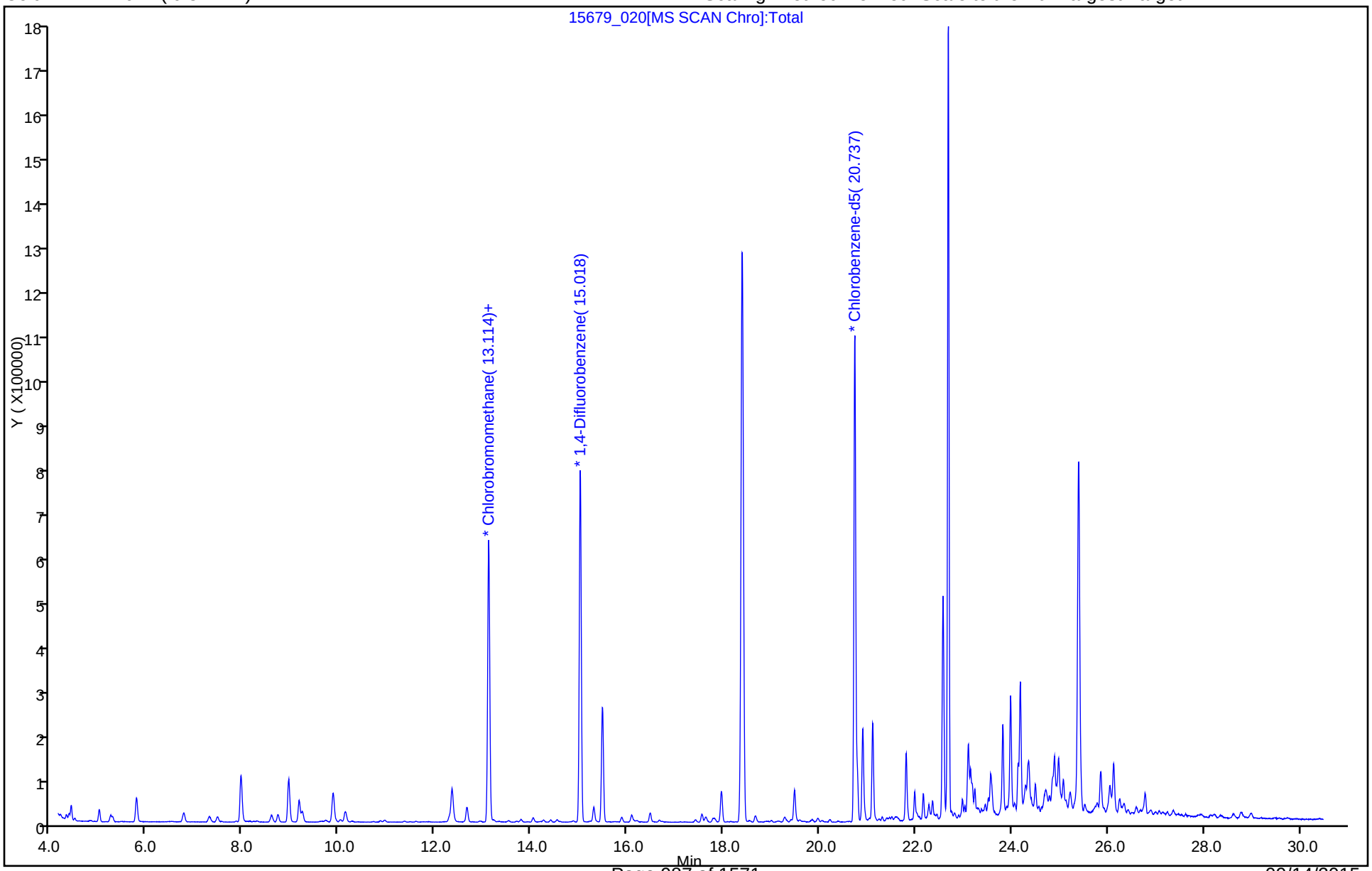
Report Date: 11-Sep-2015 11:40:01 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d

Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19	Worklist Smp#:	20
Client ID:	785VMP0202PA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

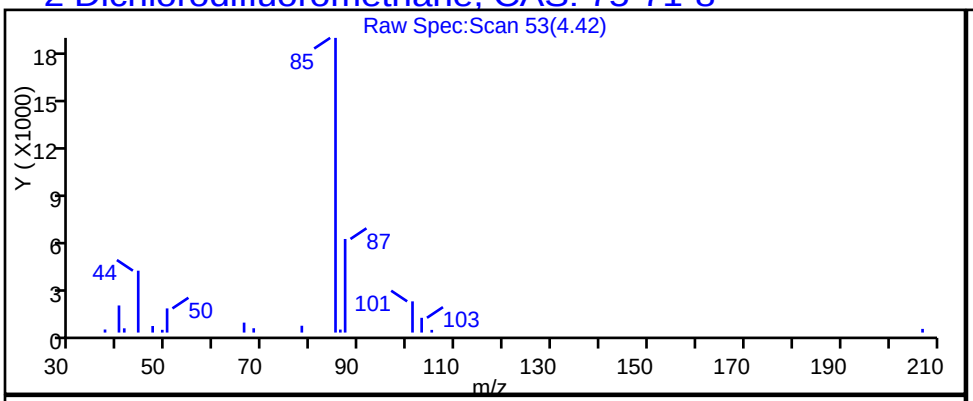
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

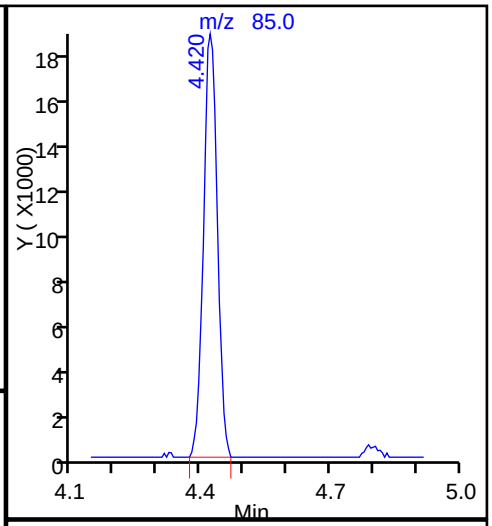


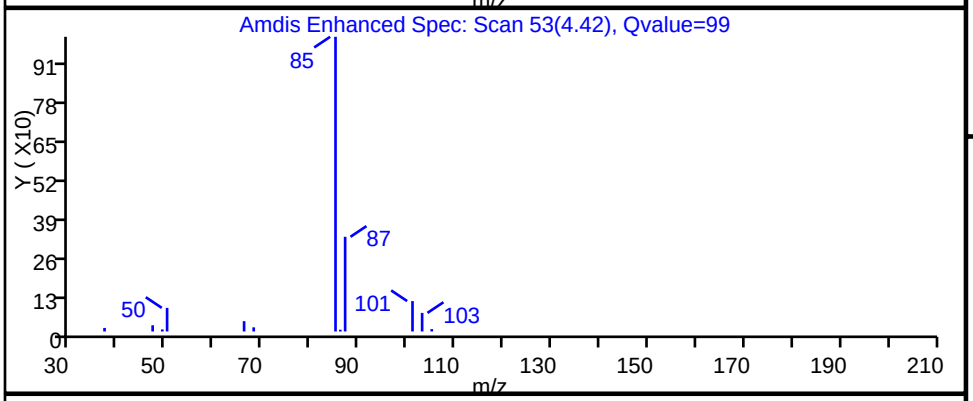
TestAmerica Burlington

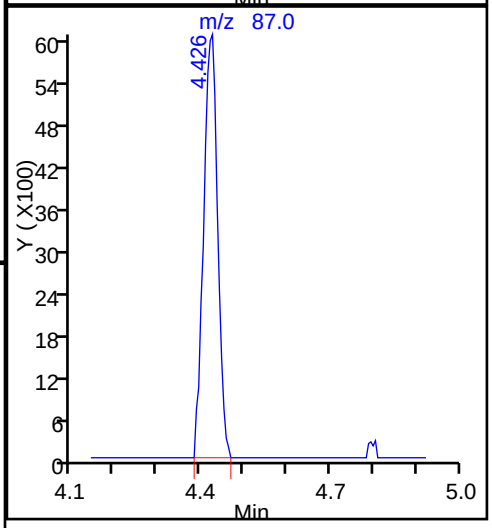
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

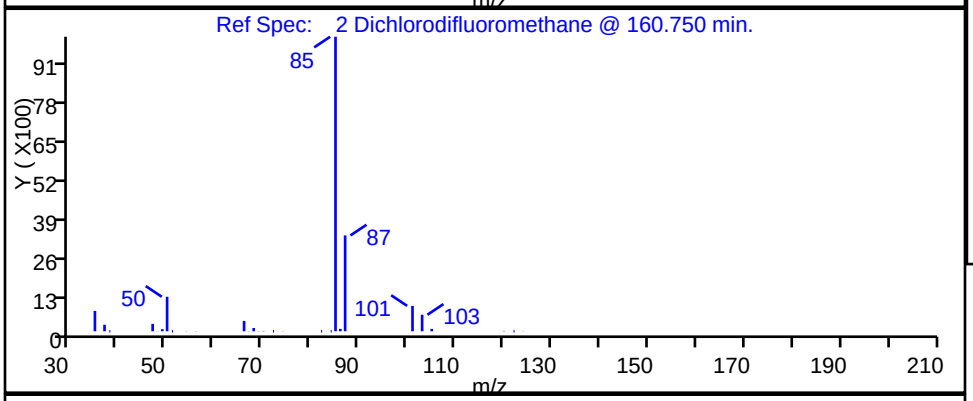
2 Dichlorodifluoromethane, CAS: 75-71-8

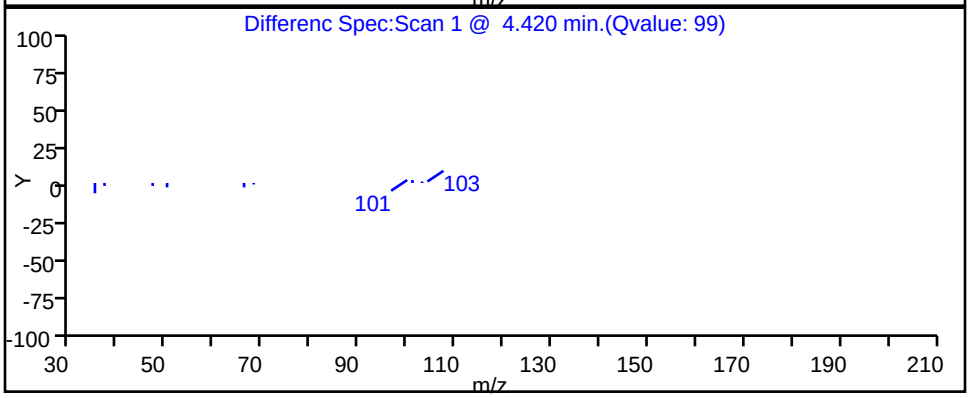






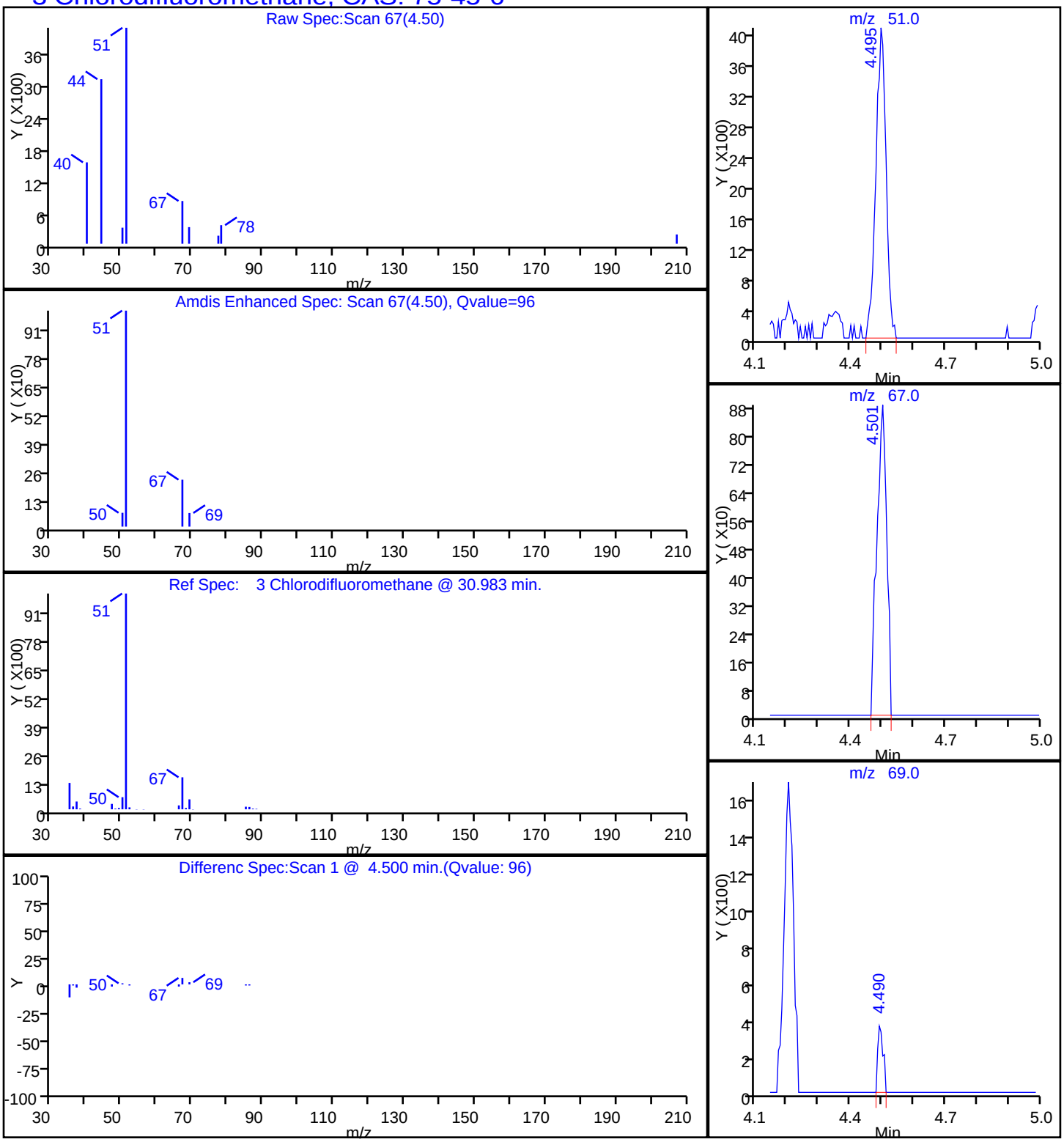






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

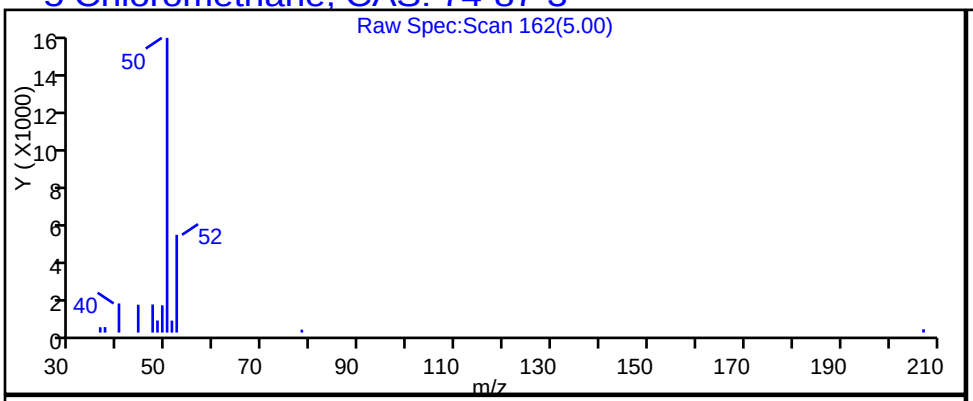
3 Chlorodifluoromethane, CAS: 75-45-6

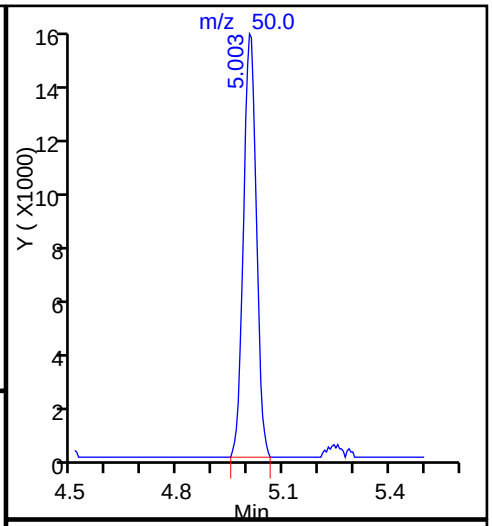


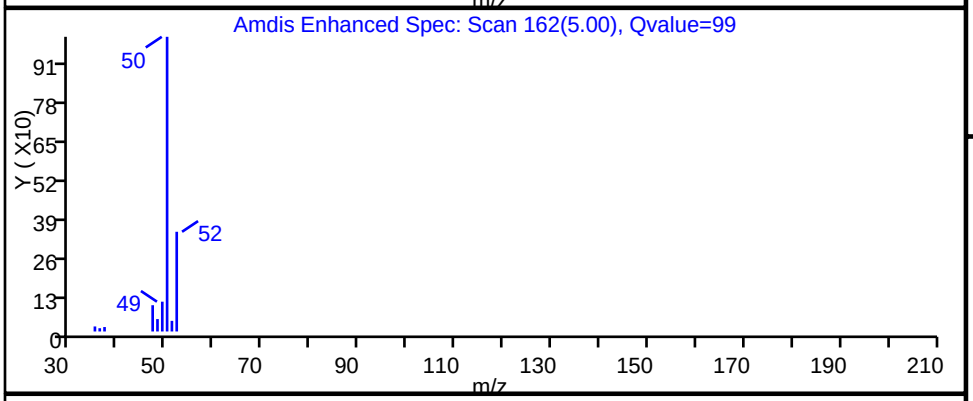
TestAmerica Burlington

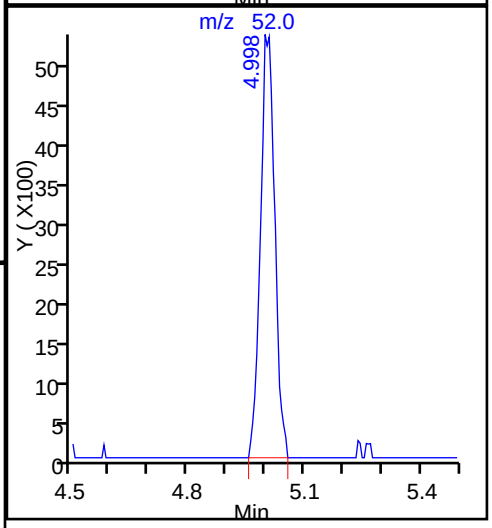
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

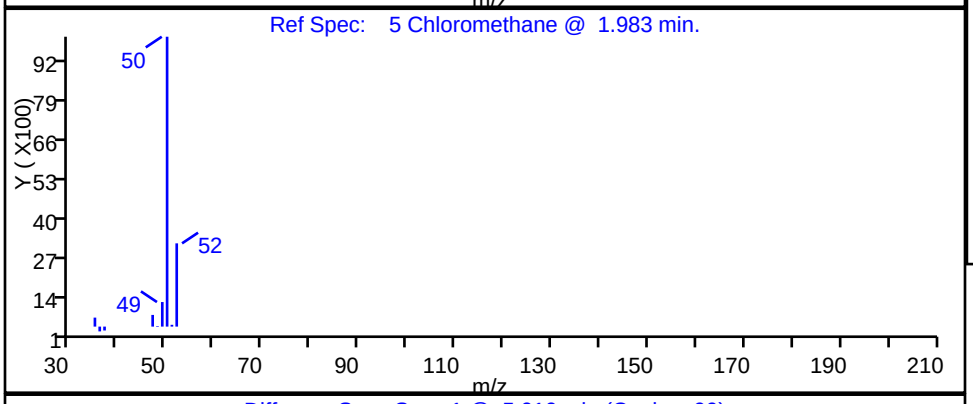
5 Chloromethane, CAS: 74-87-3

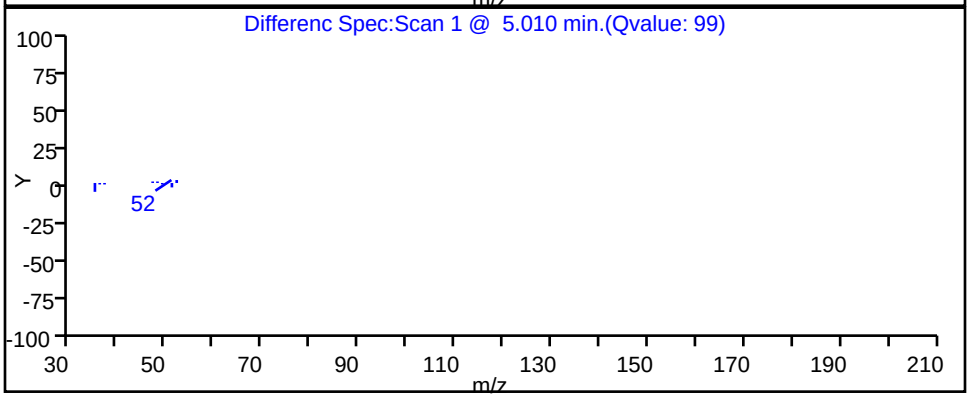








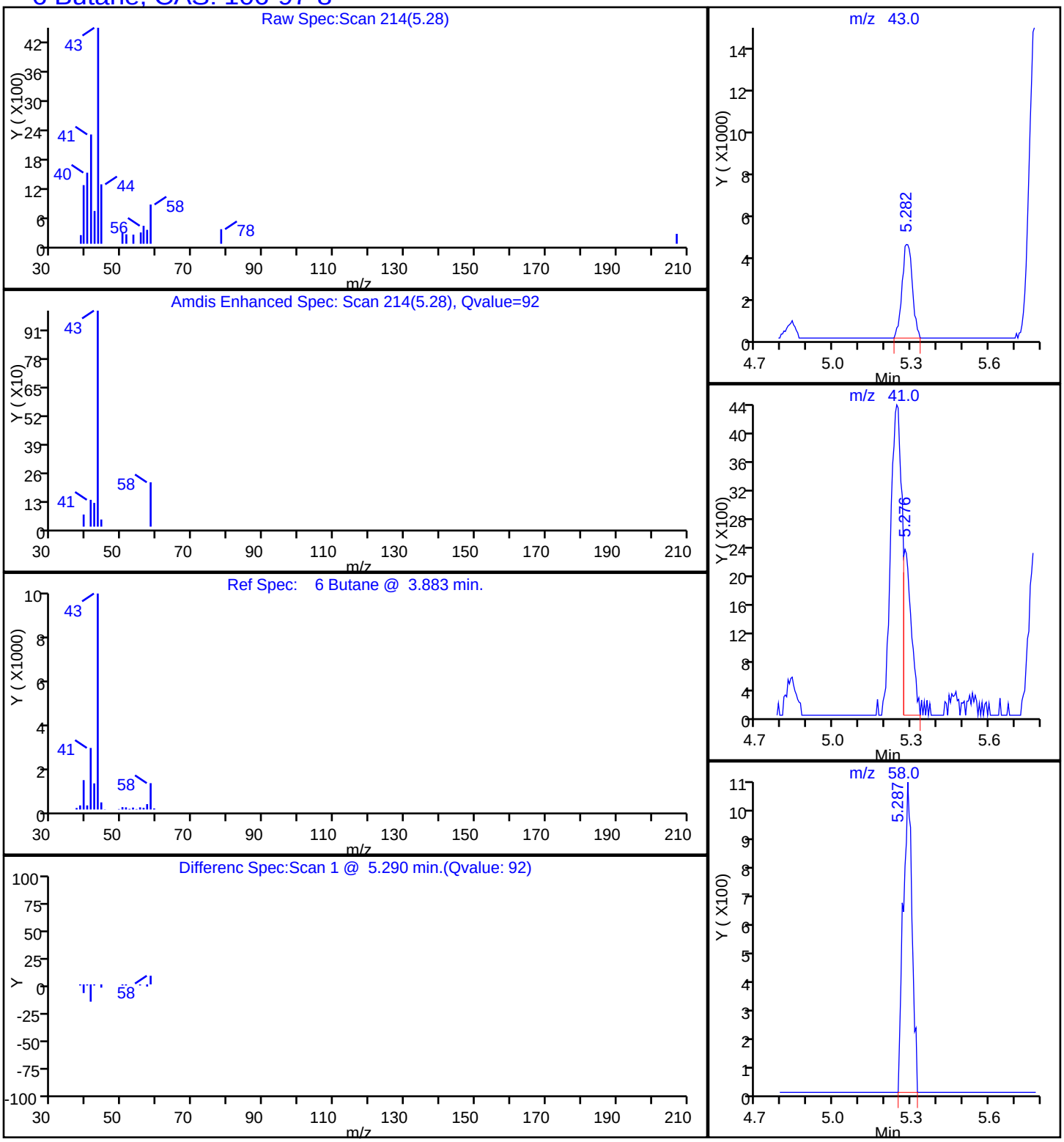




TestAmerica Burlington

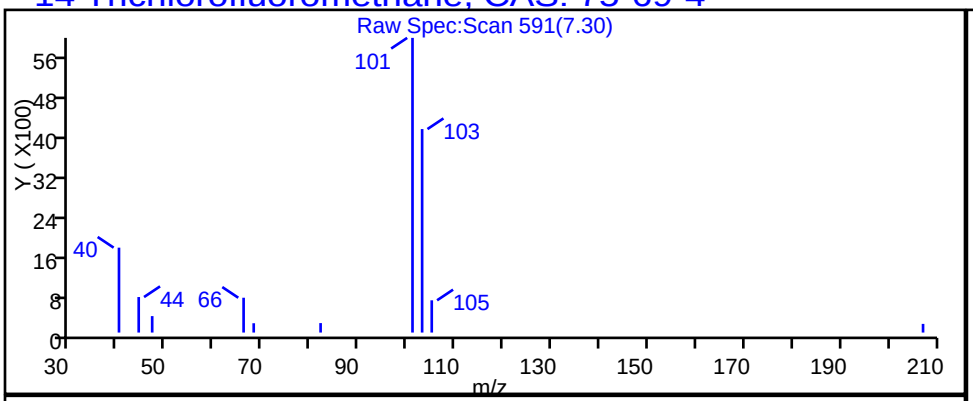
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

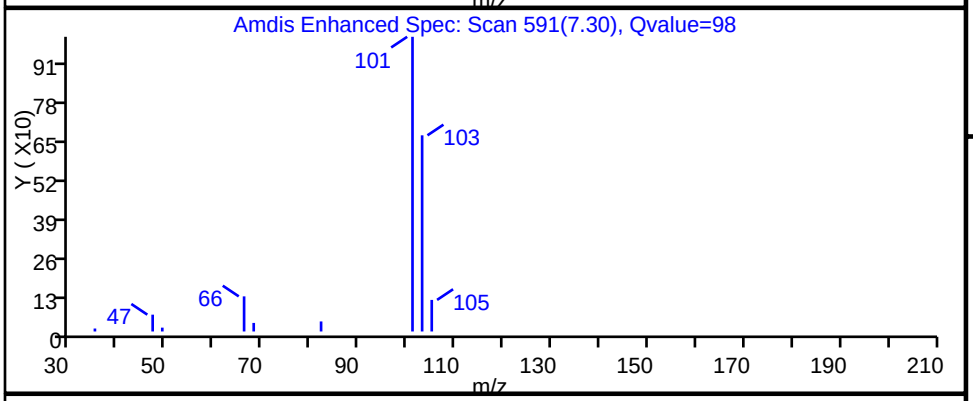
6 Butane, CAS: 106-97-8

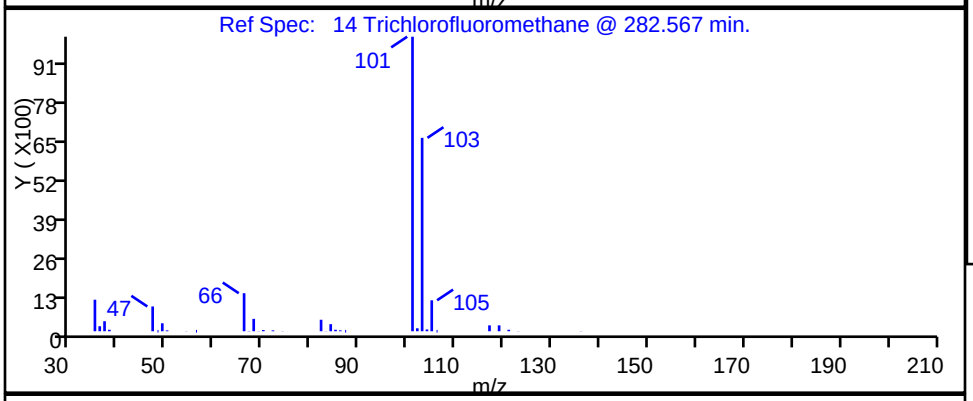


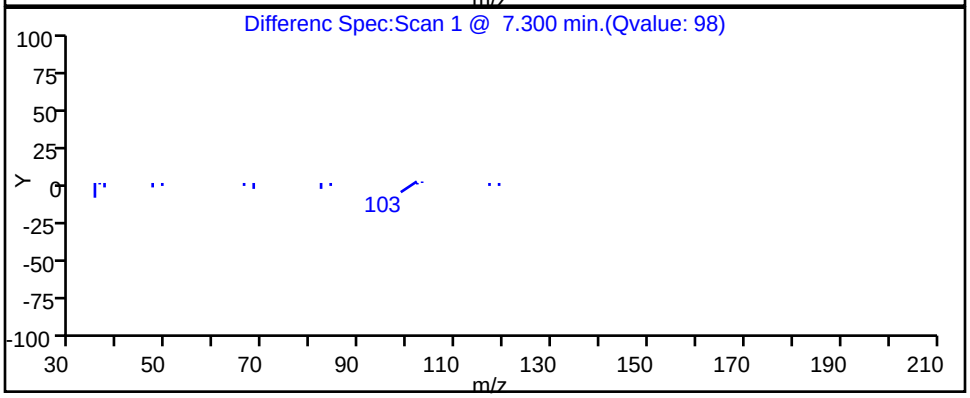
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

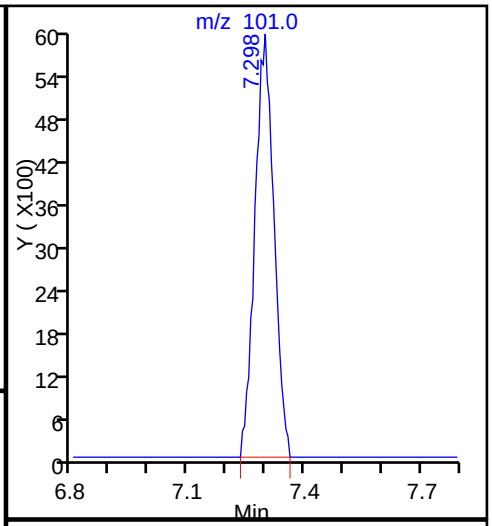
14 Trichlorofluoromethane, CAS: 75-69-4

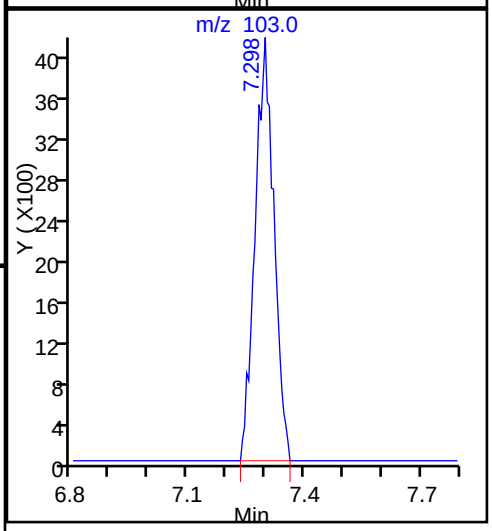






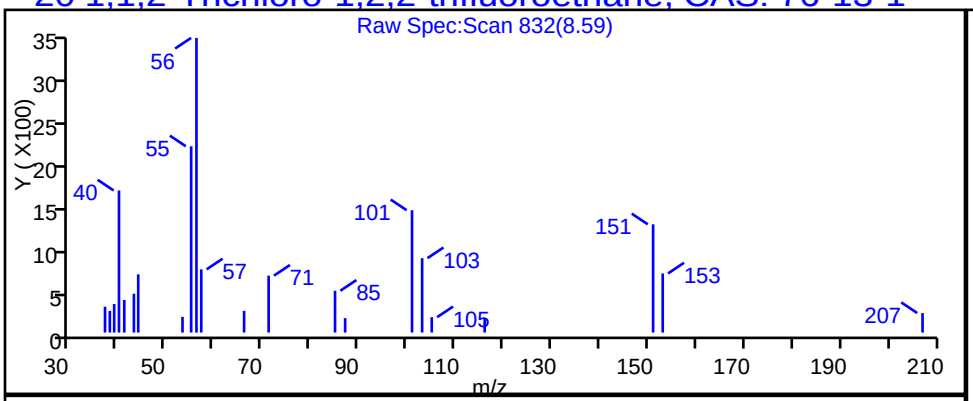


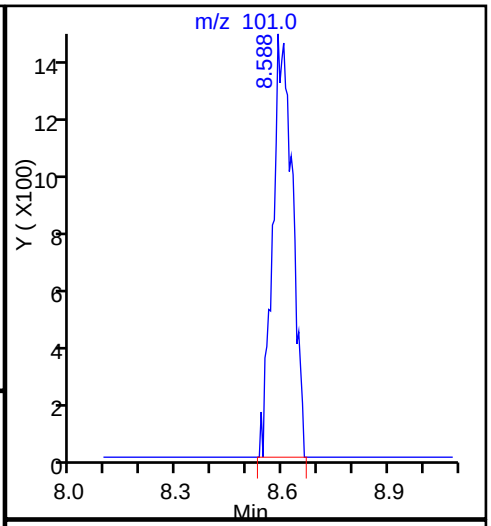


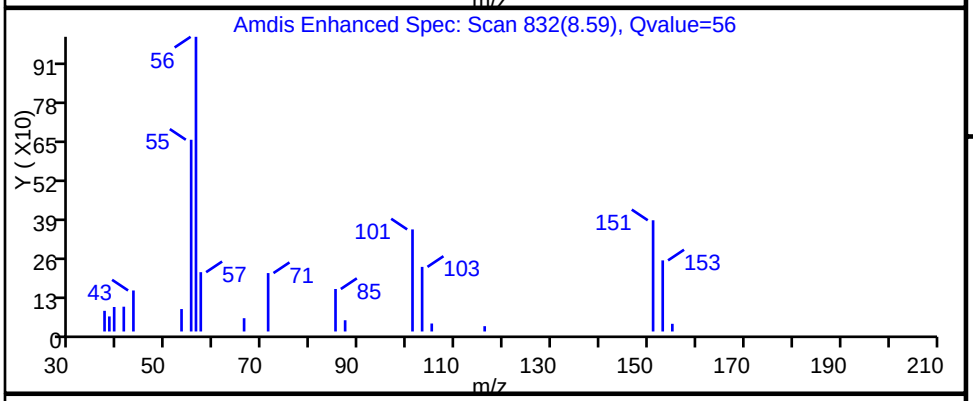


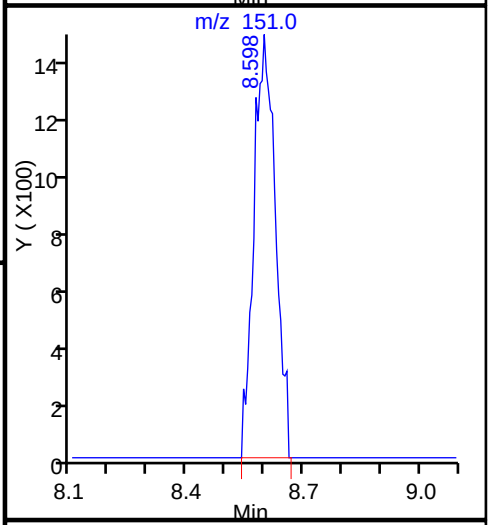
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

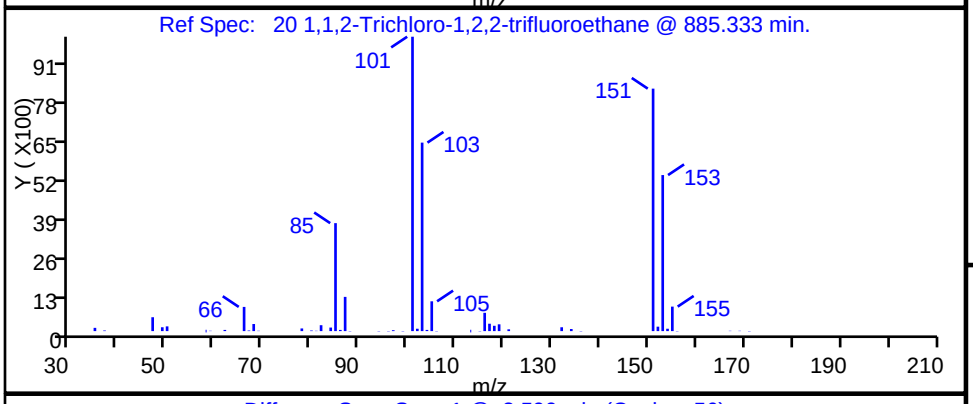
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

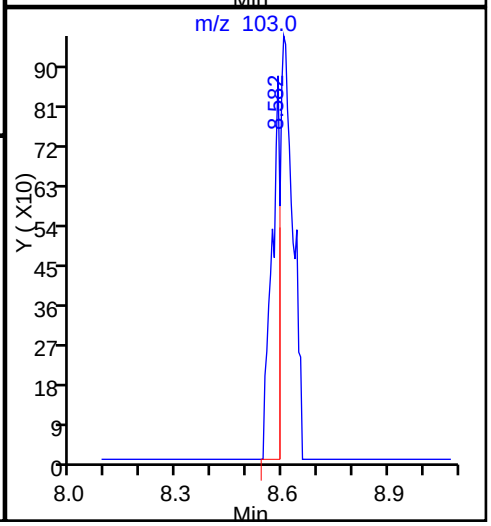


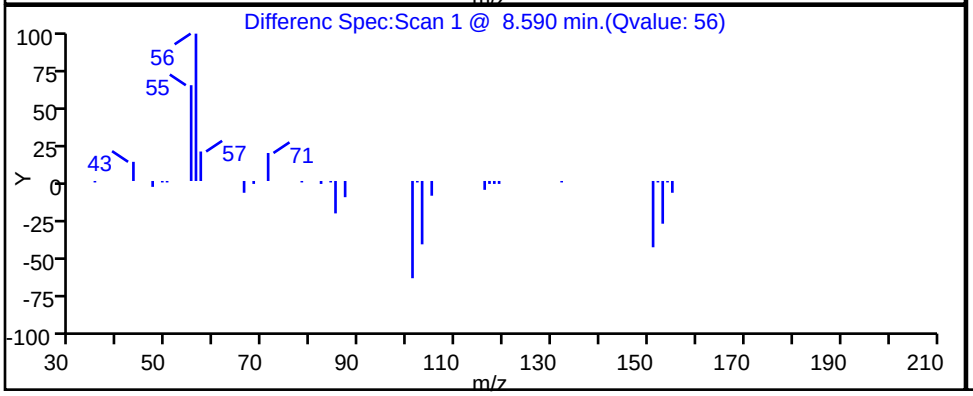








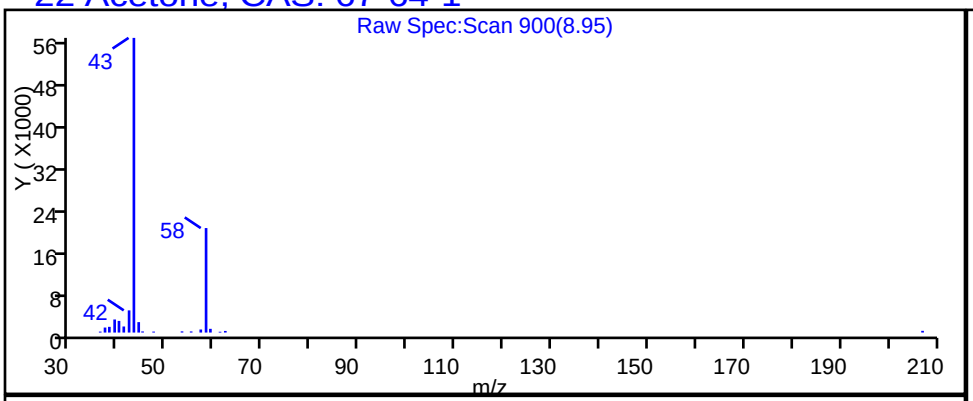


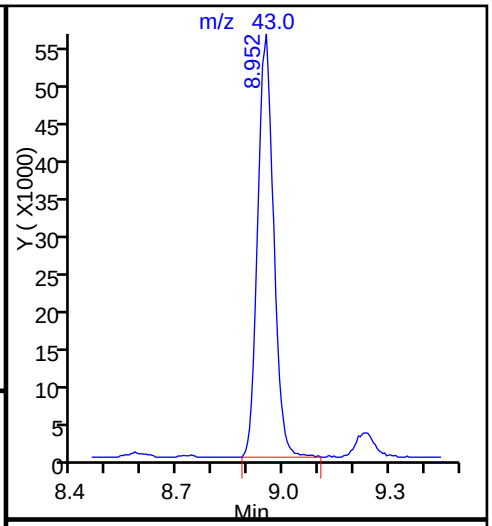


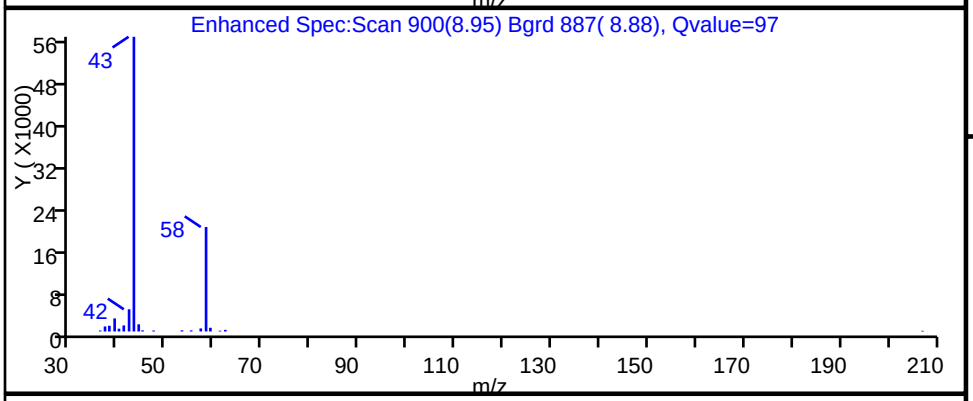
TestAmerica Burlington

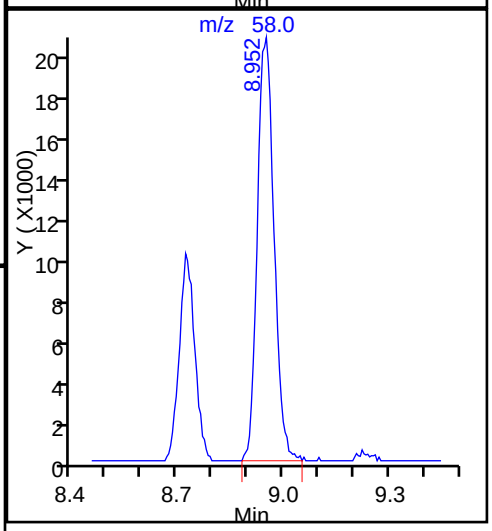
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

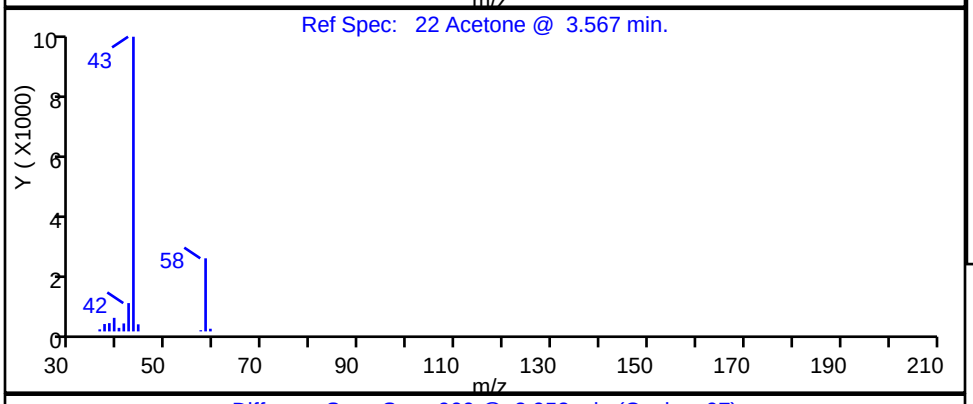
22 Acetone, CAS: 67-64-1

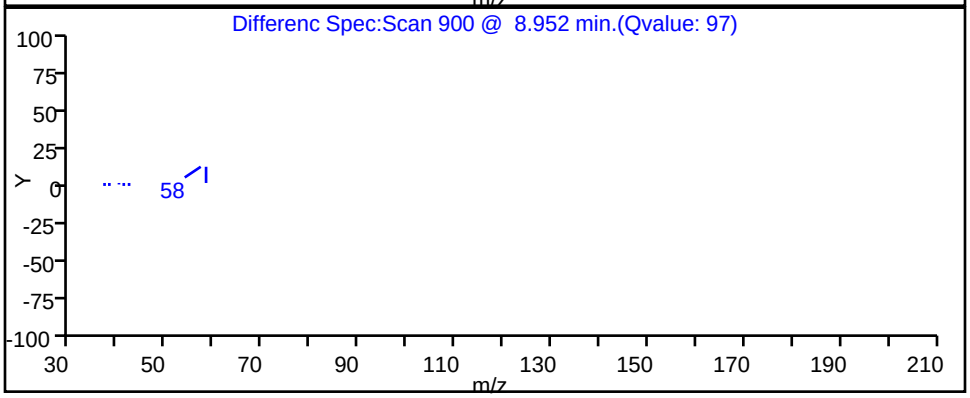






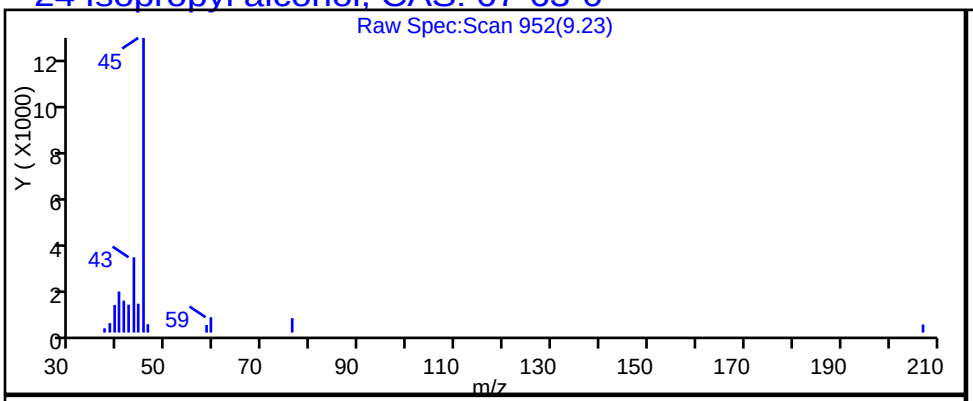


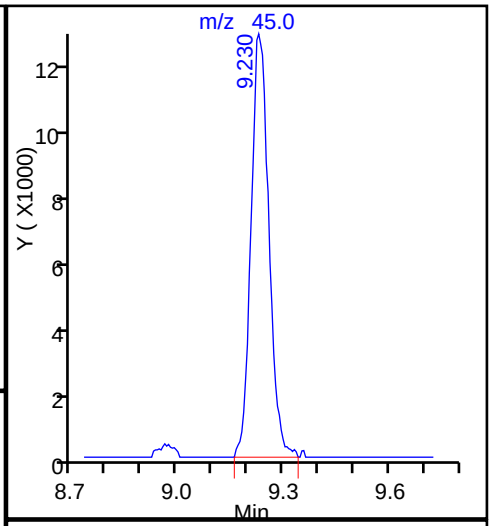


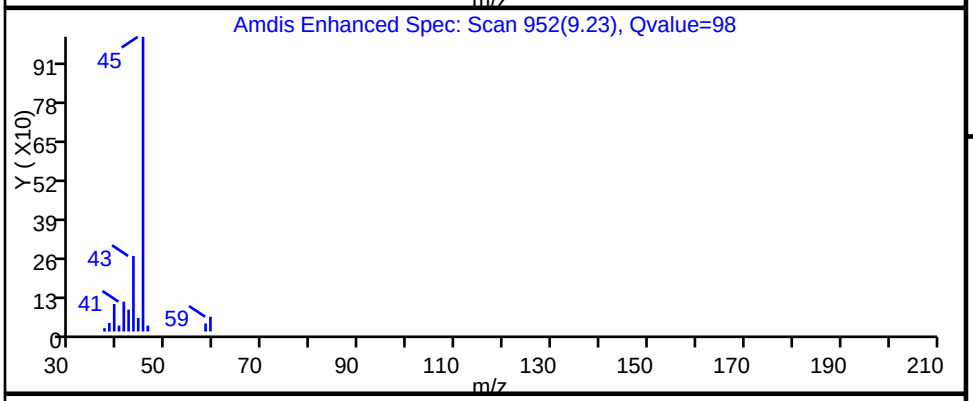


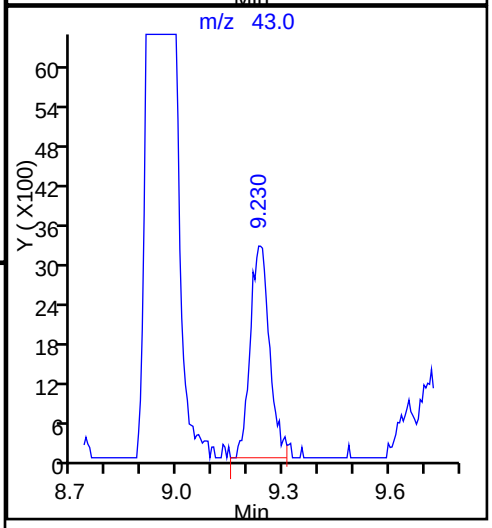
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

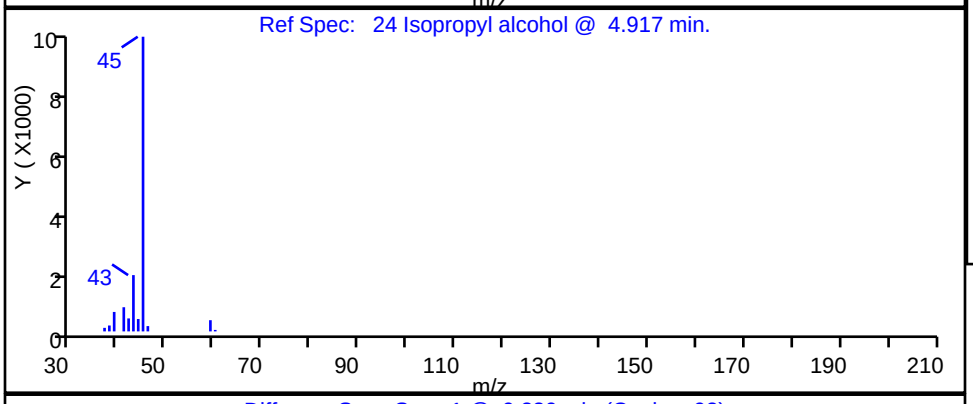
24 Isopropyl alcohol, CAS: 67-63-0

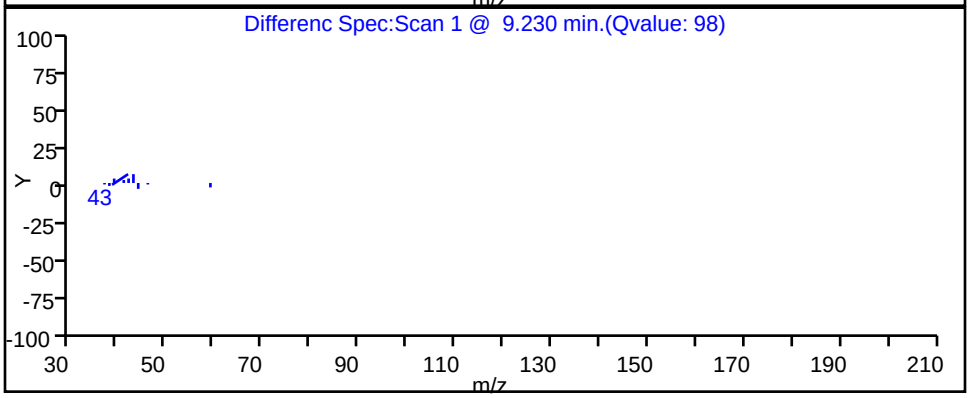








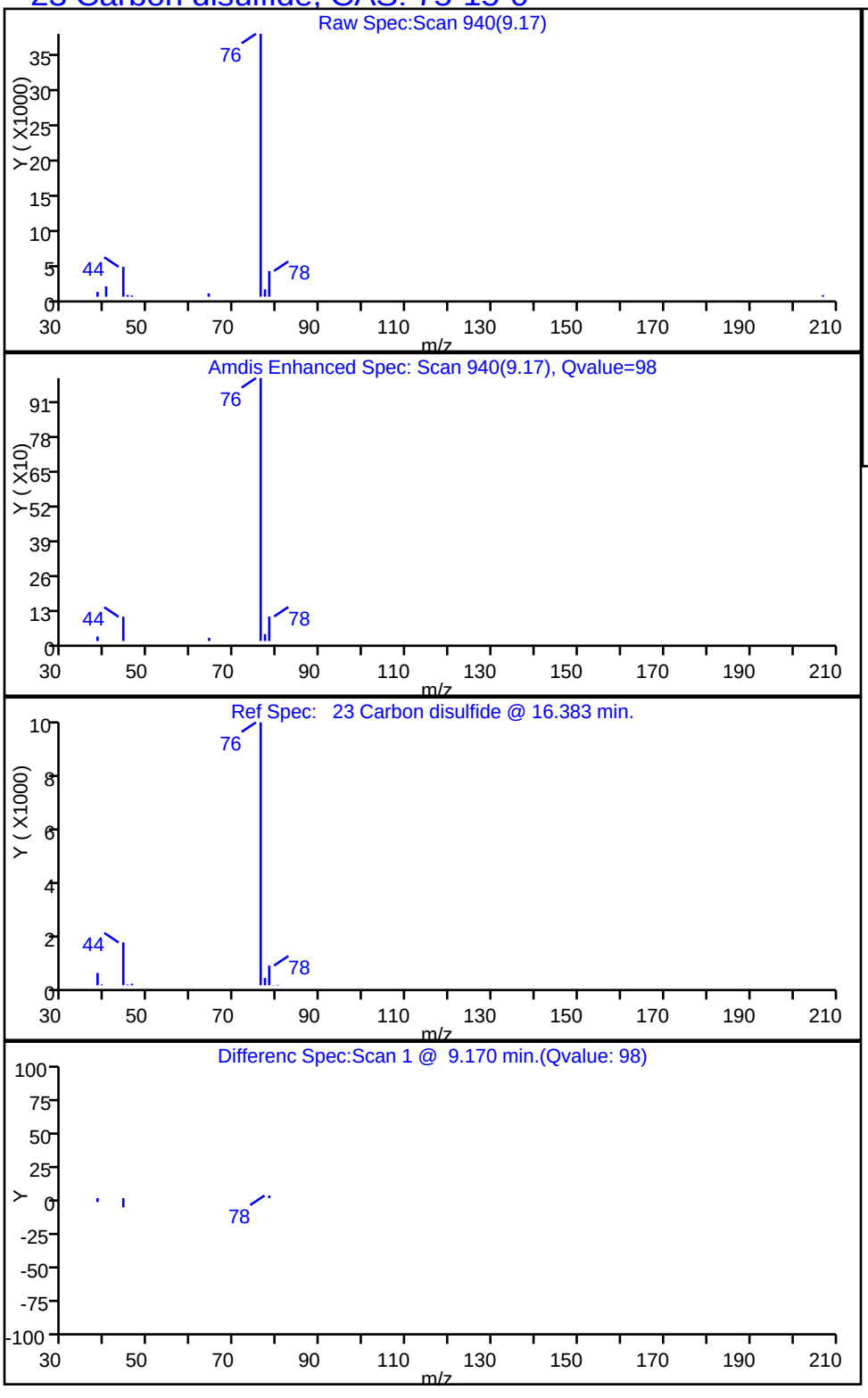


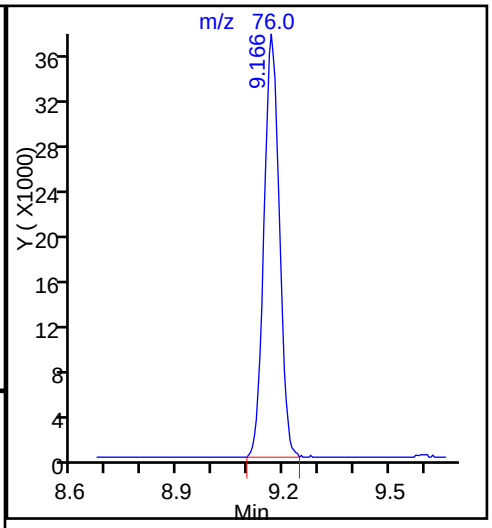


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

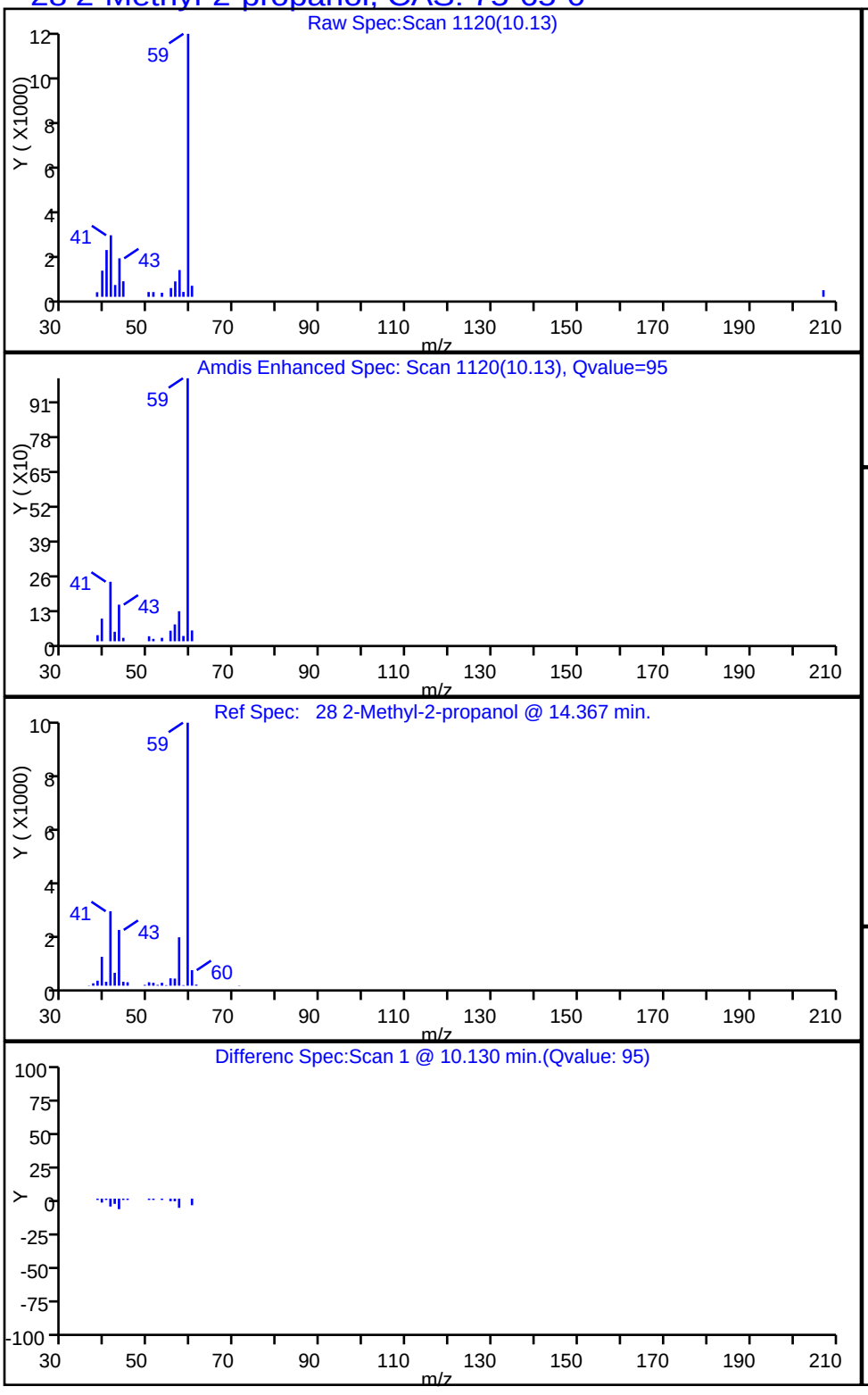


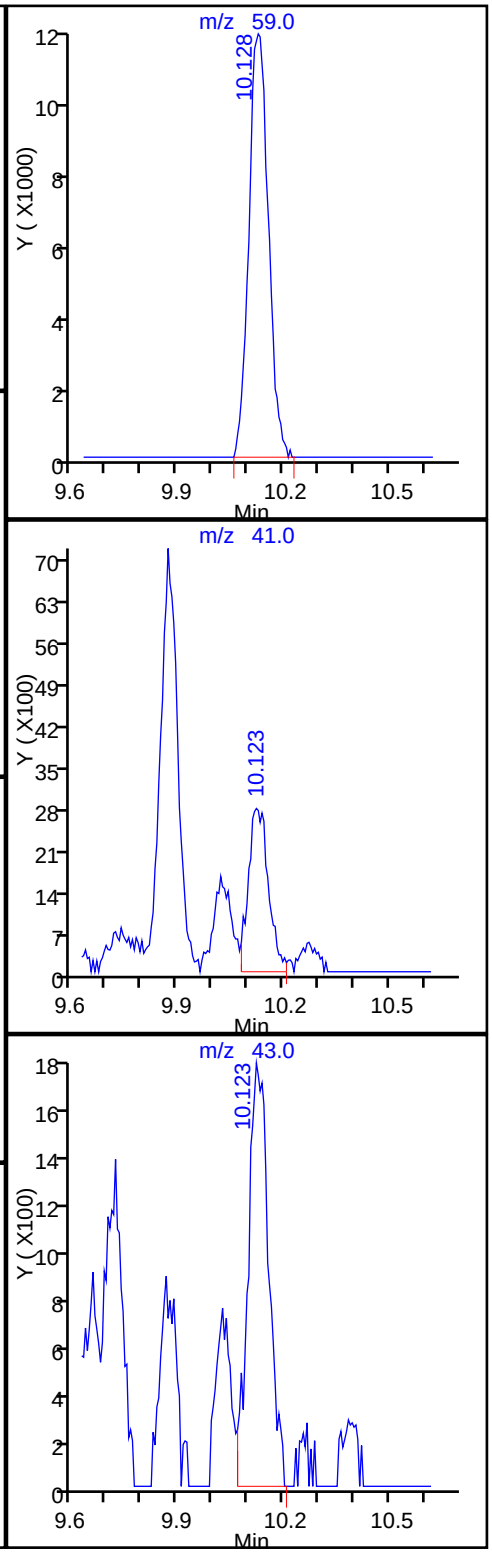


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

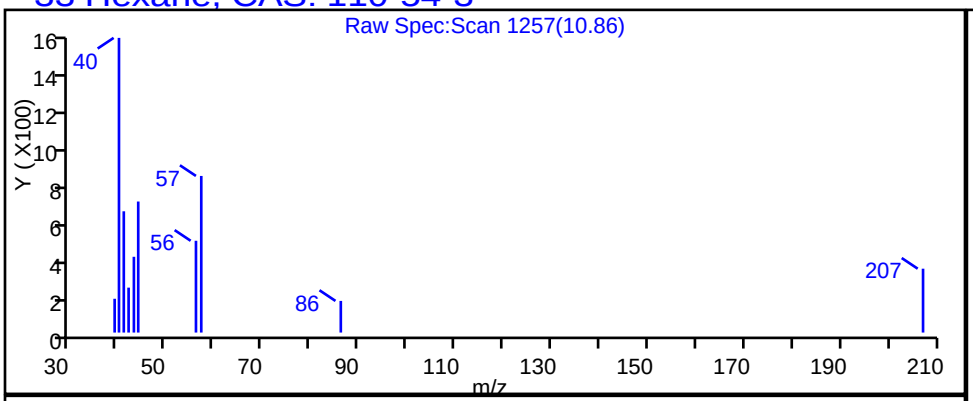
28 2-Methyl-2-propanol, CAS: 75-65-0

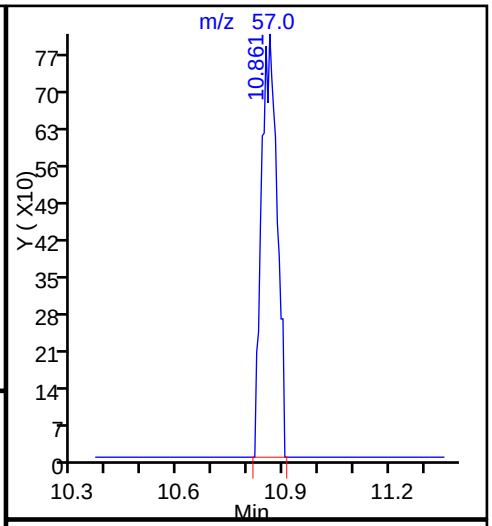


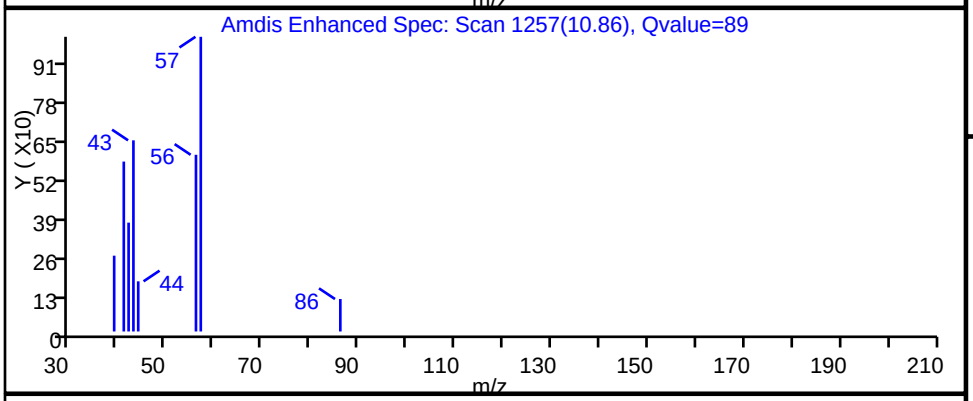


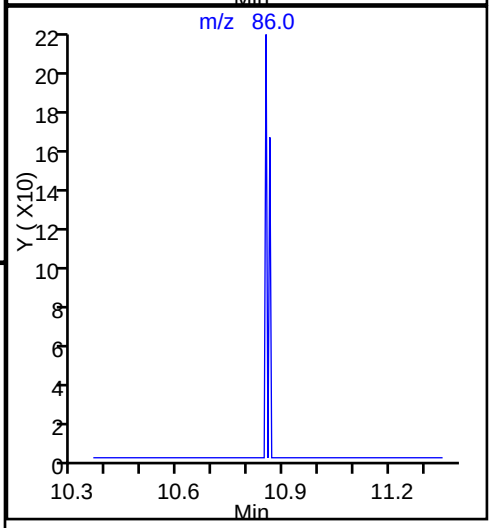
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

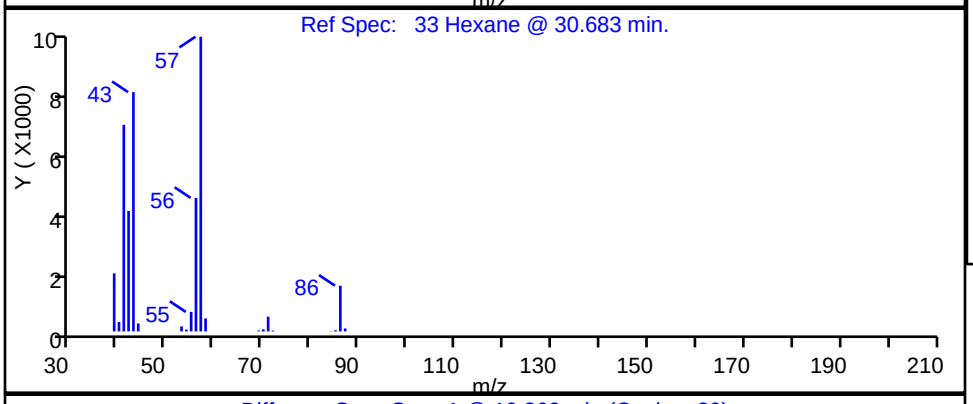
33 Hexane, CAS: 110-54-3

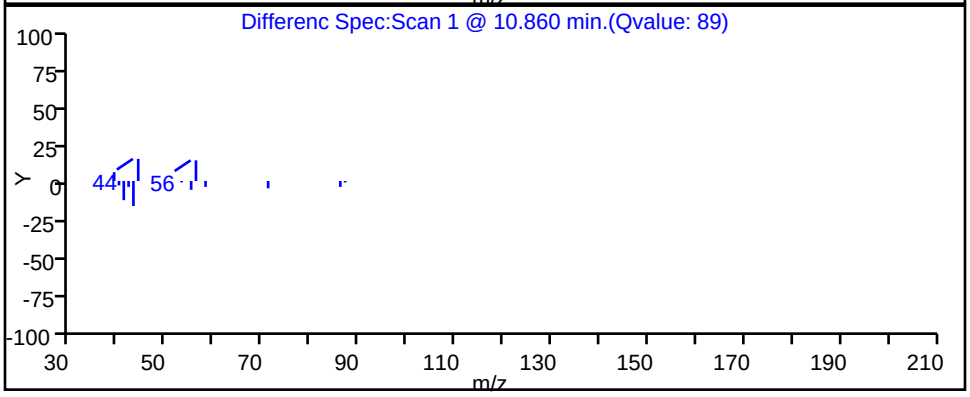






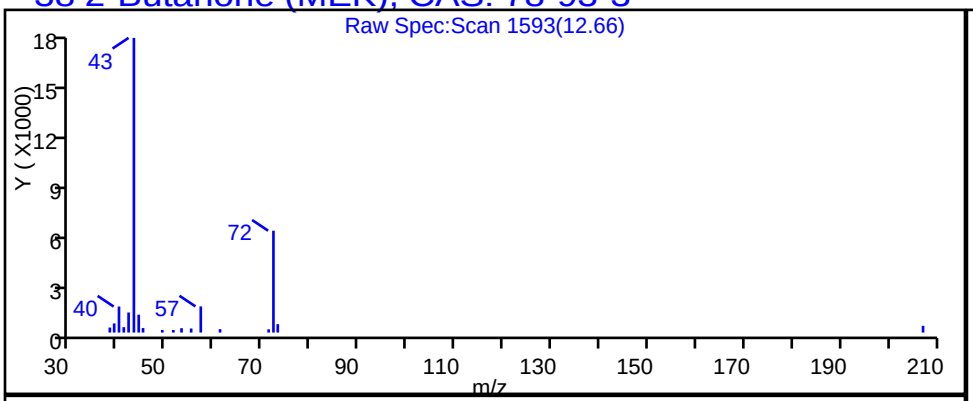


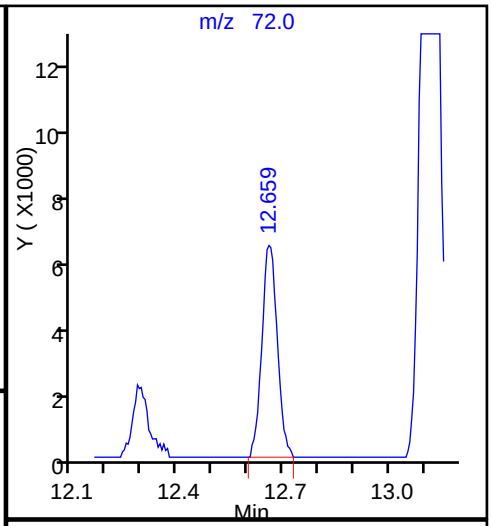


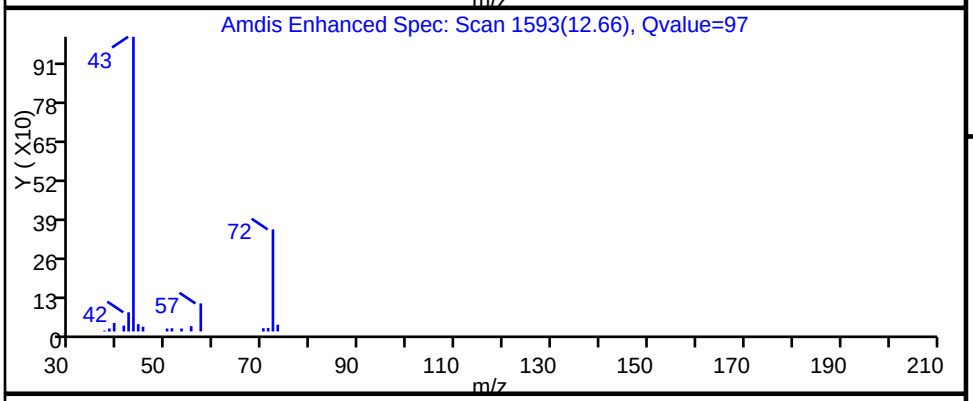


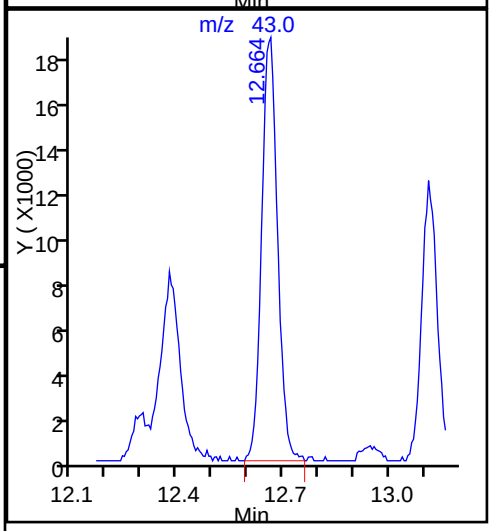
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

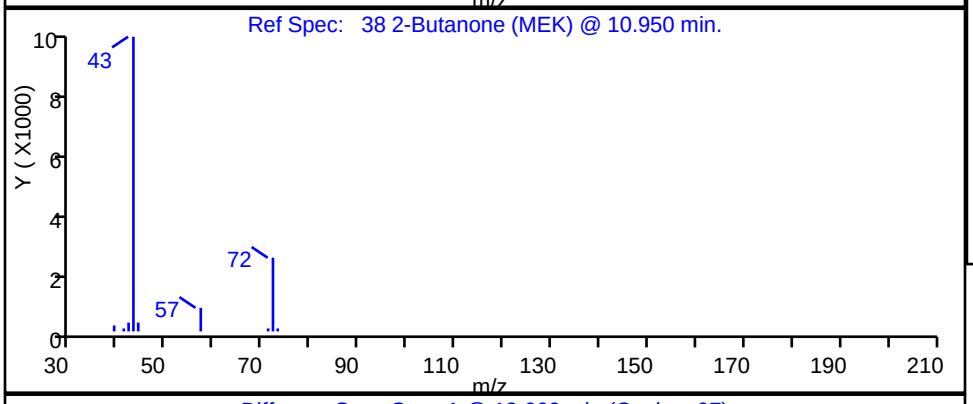
38 2-Butanone (MEK), CAS: 78-93-3

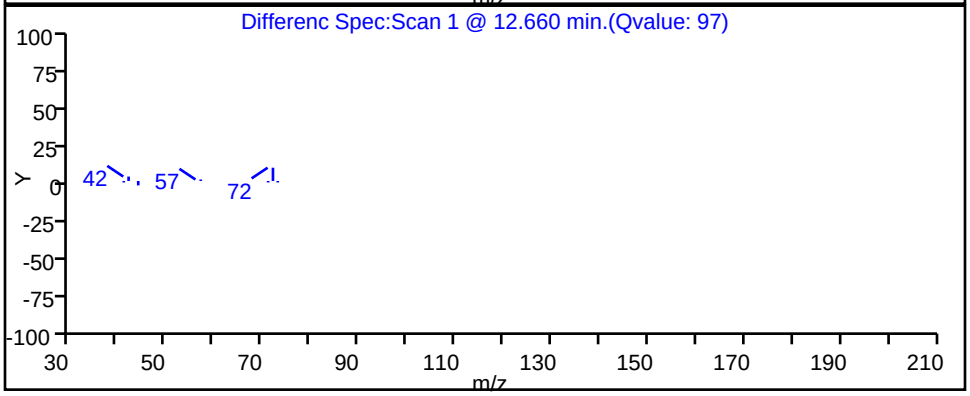








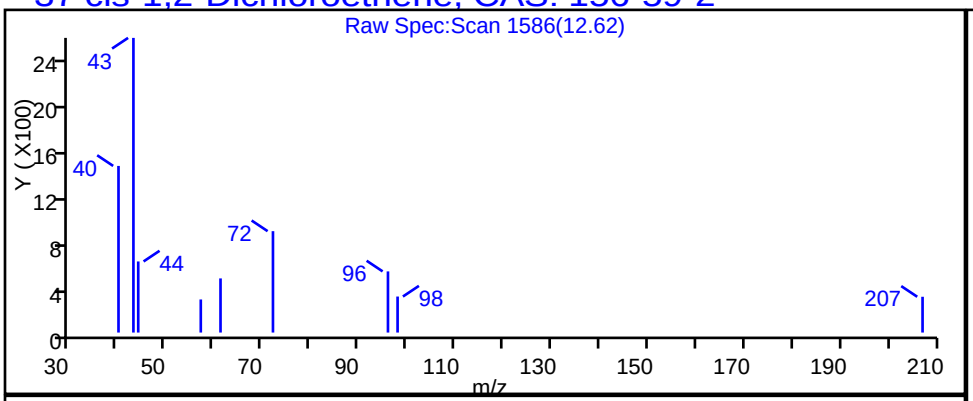


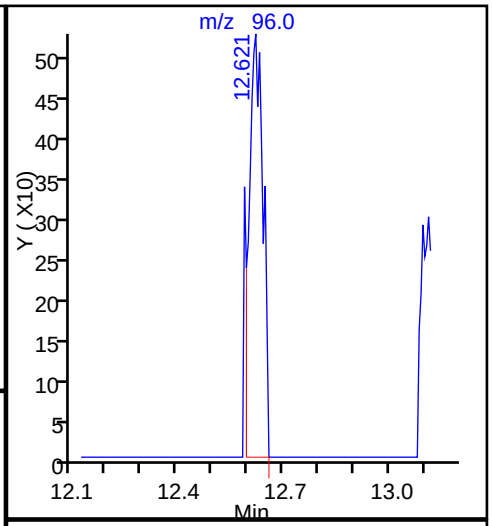


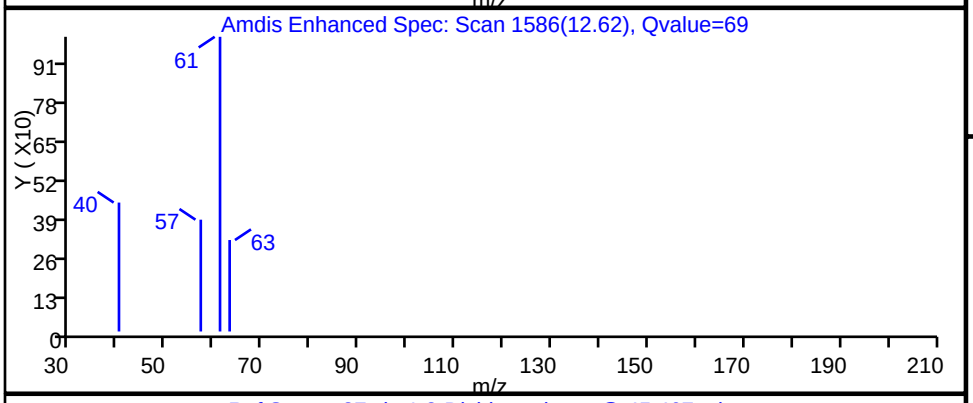
TestAmerica Burlington

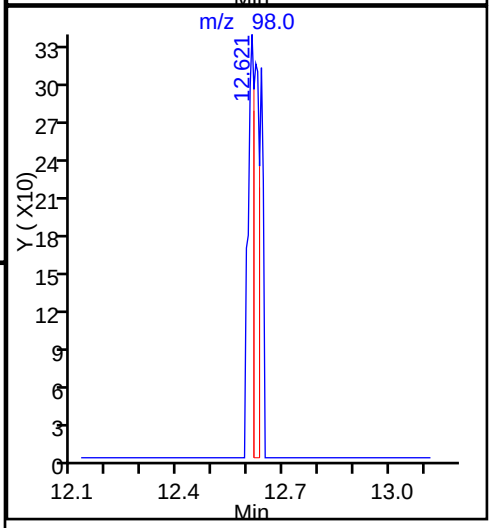
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

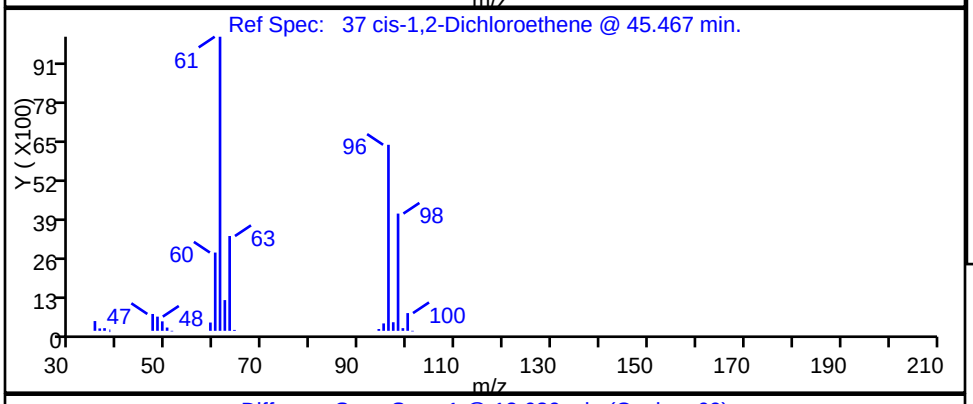
37 cis-1,2-Dichloroethene, CAS: 156-59-2

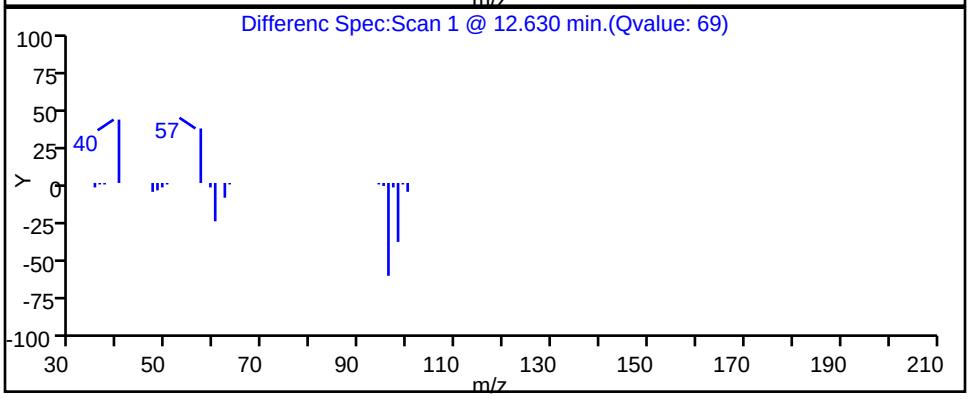








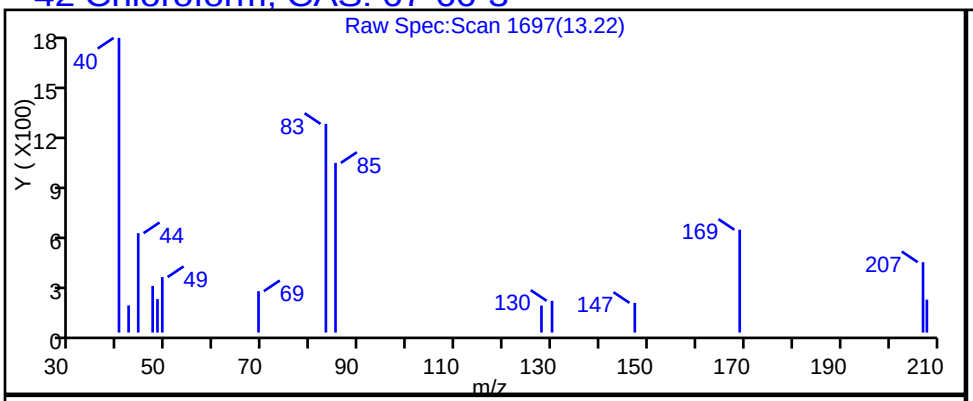


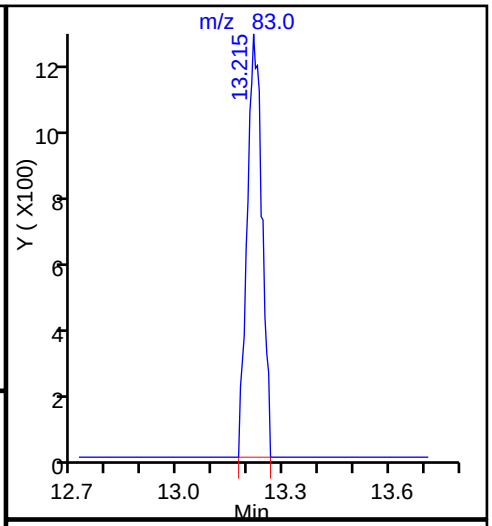


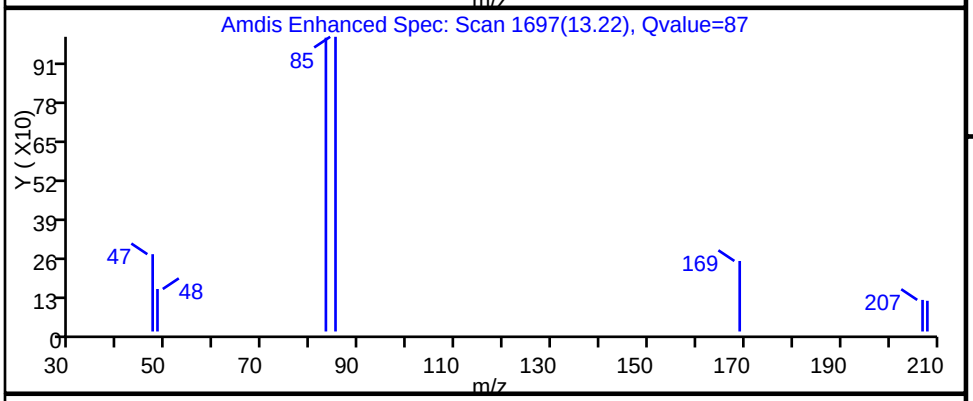
TestAmerica Burlington

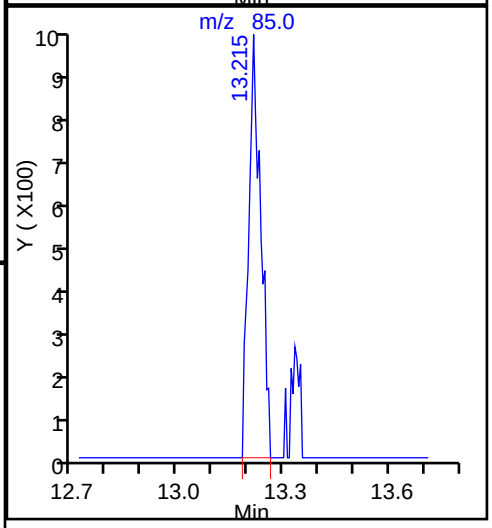
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

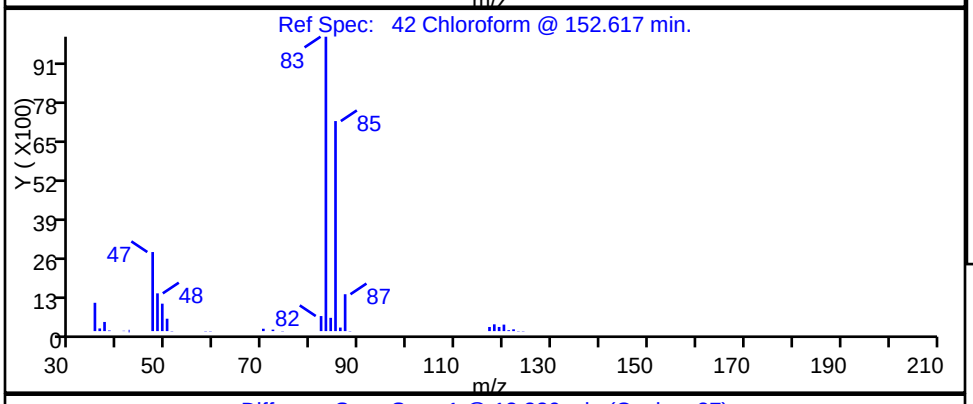
42 Chloroform, CAS: 67-66-3

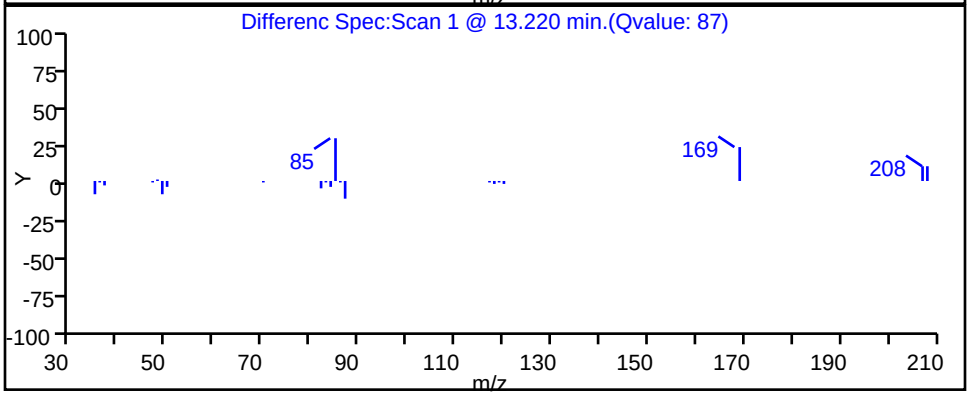






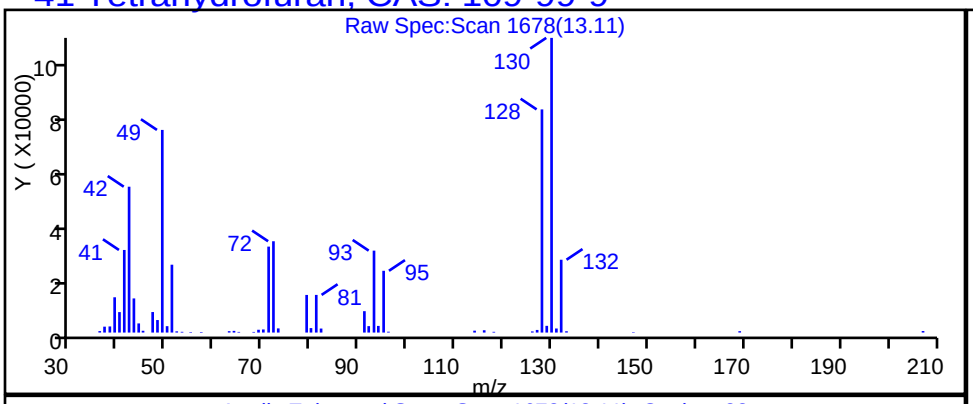


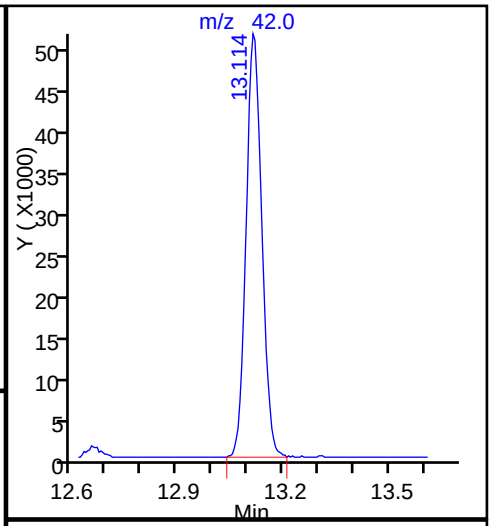


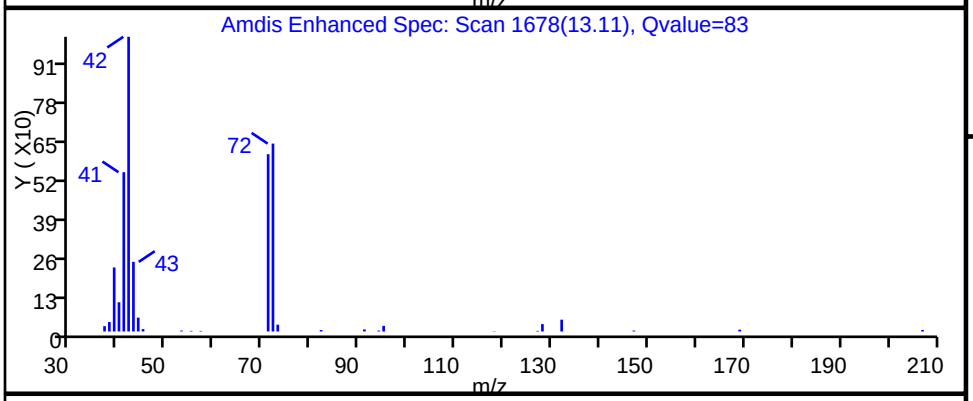


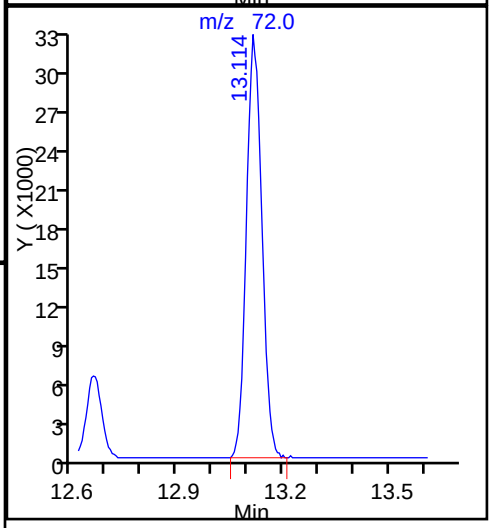
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

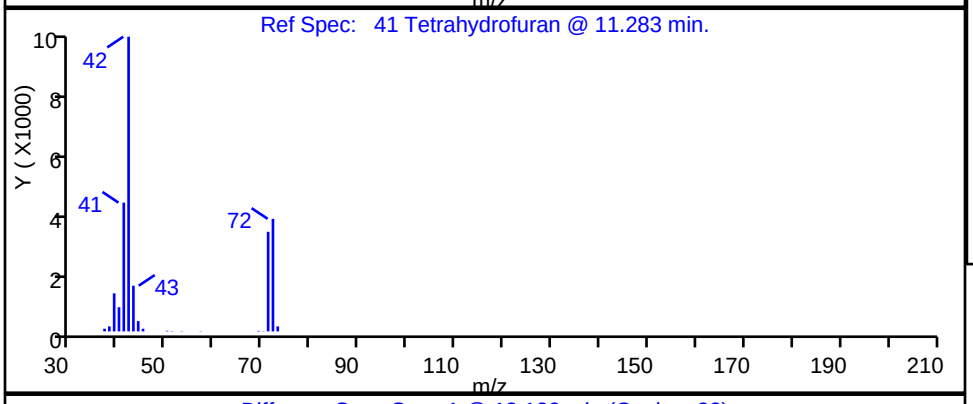
41 Tetrahydrofuran, CAS: 109-99-9

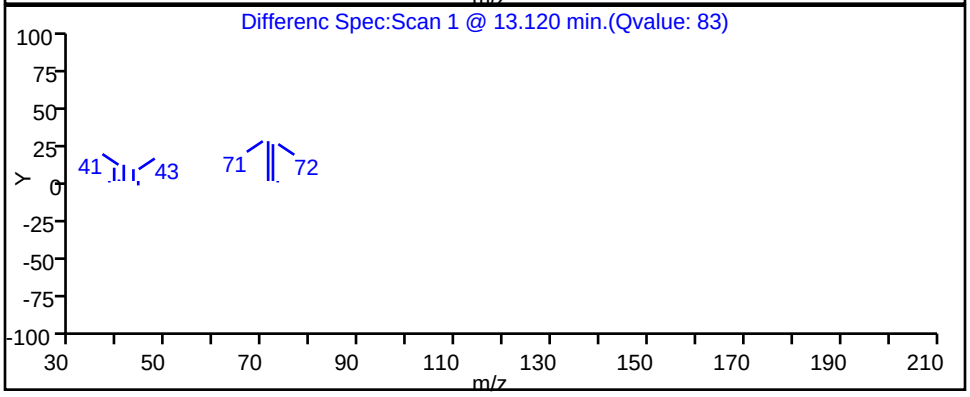








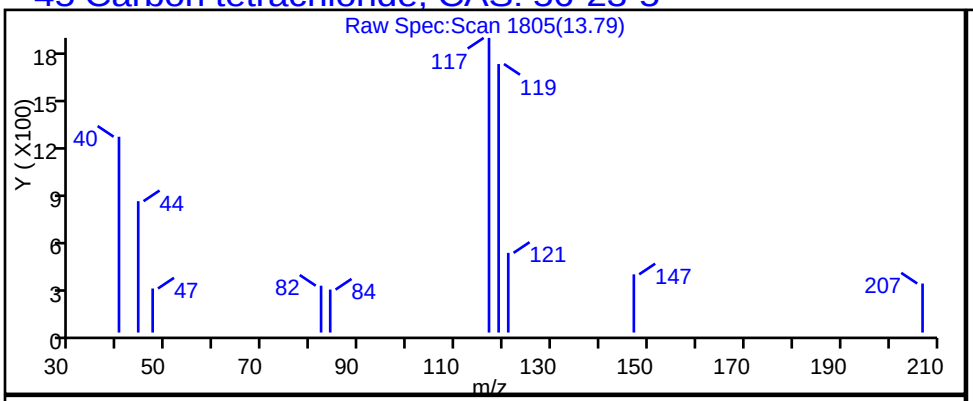


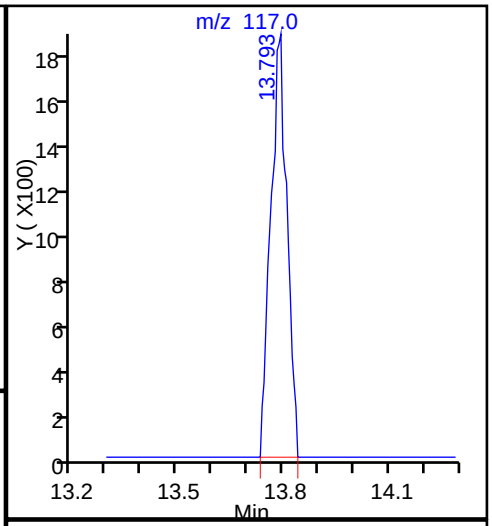


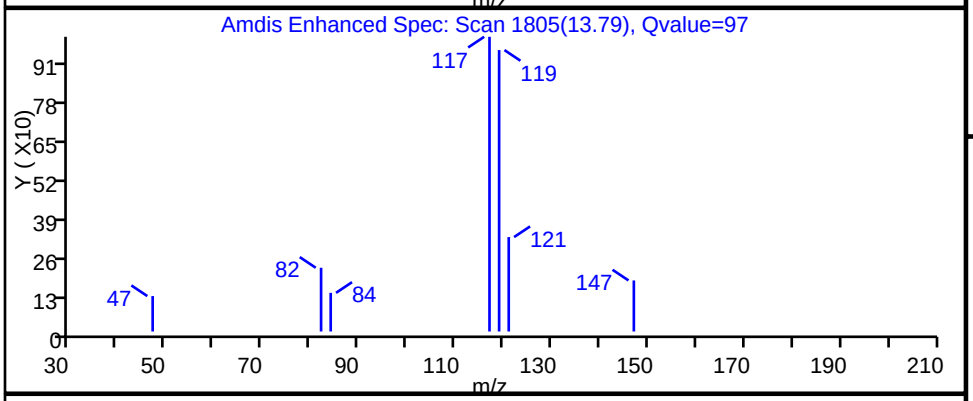
TestAmerica Burlington

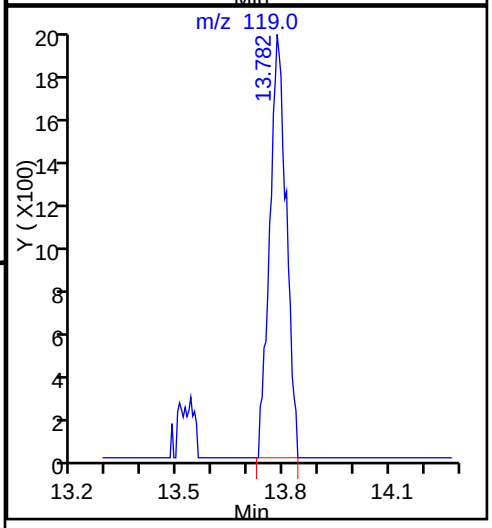
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

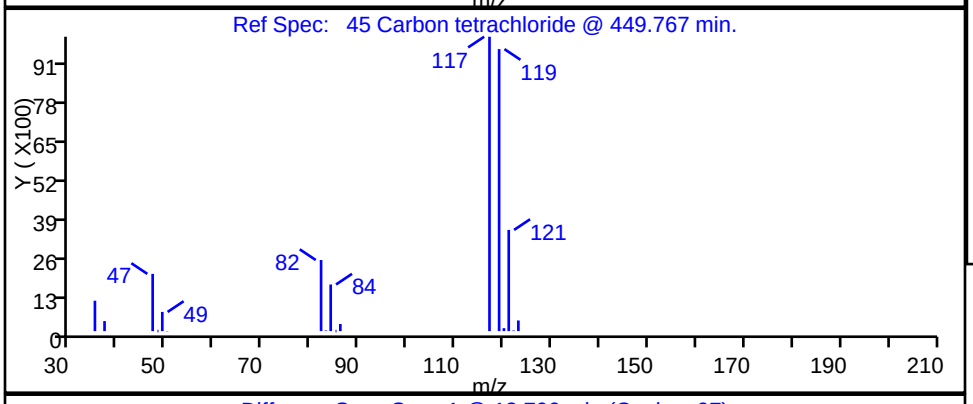
45 Carbon tetrachloride, CAS: 56-23-5

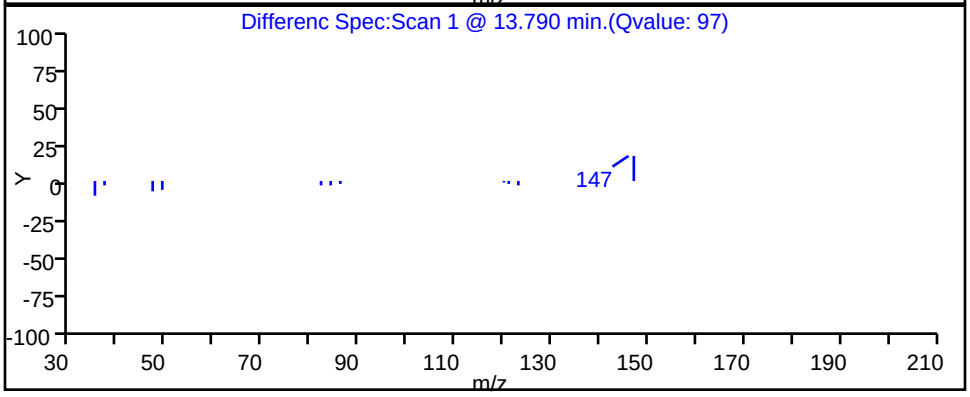








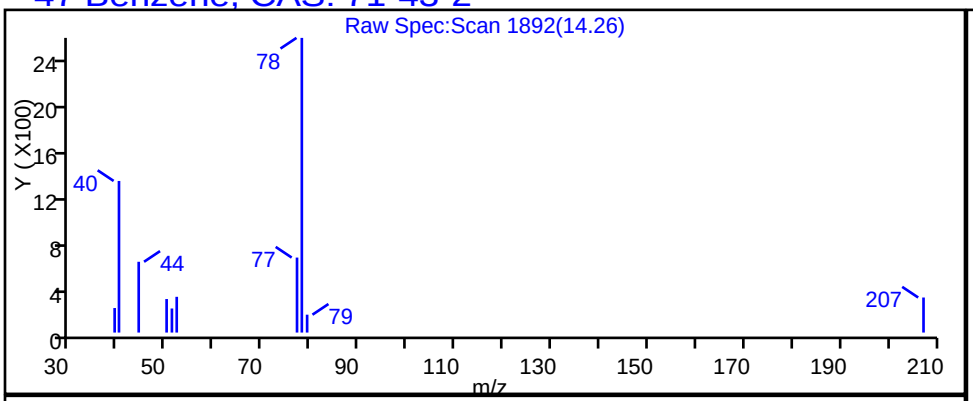


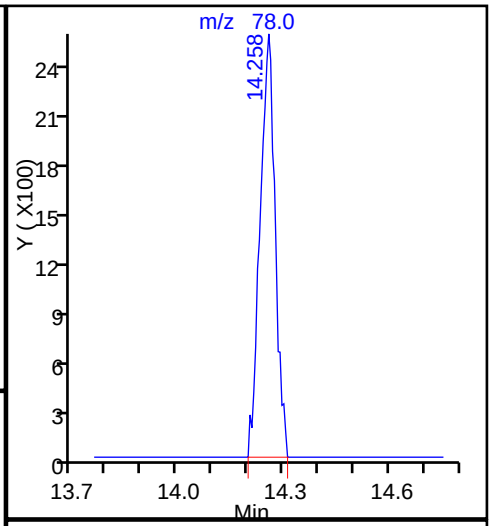


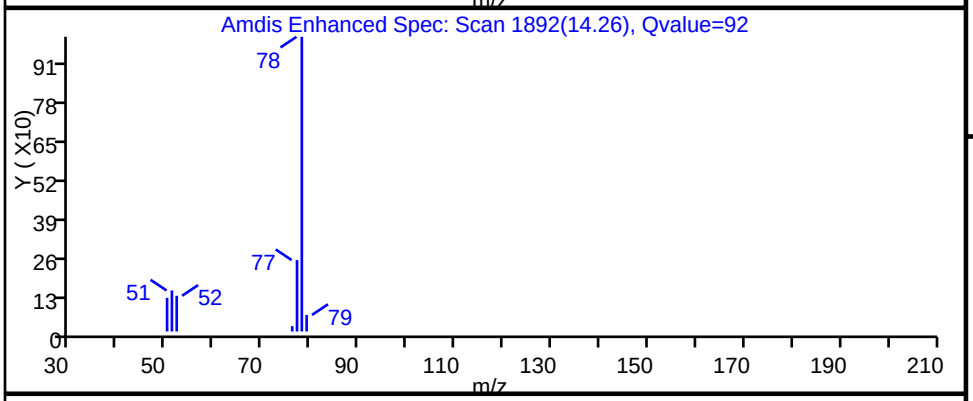
TestAmerica Burlington

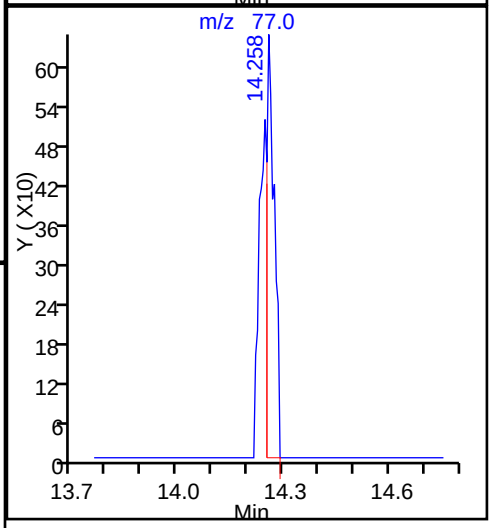
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

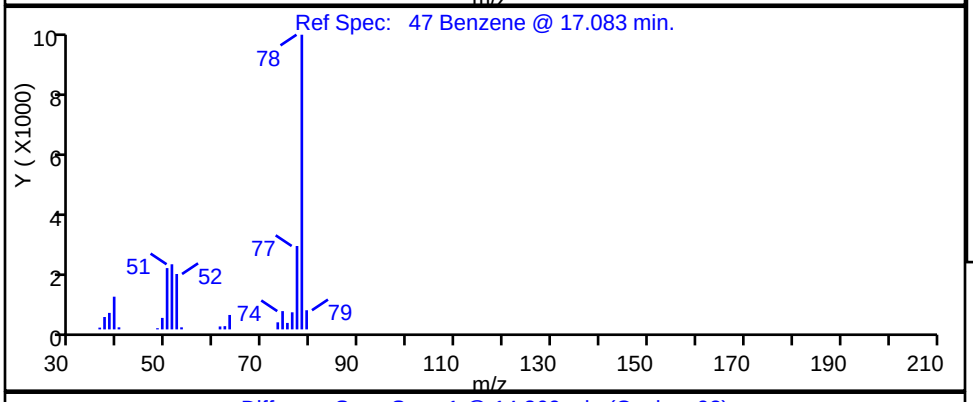
47 Benzene, CAS: 71-43-2

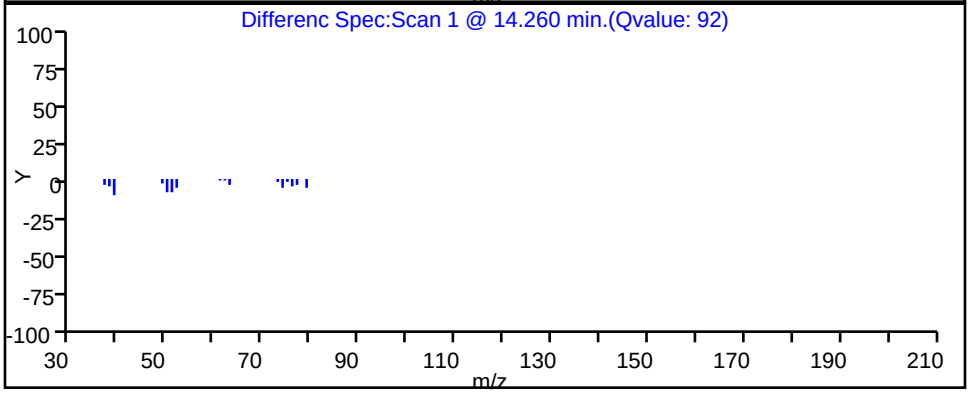






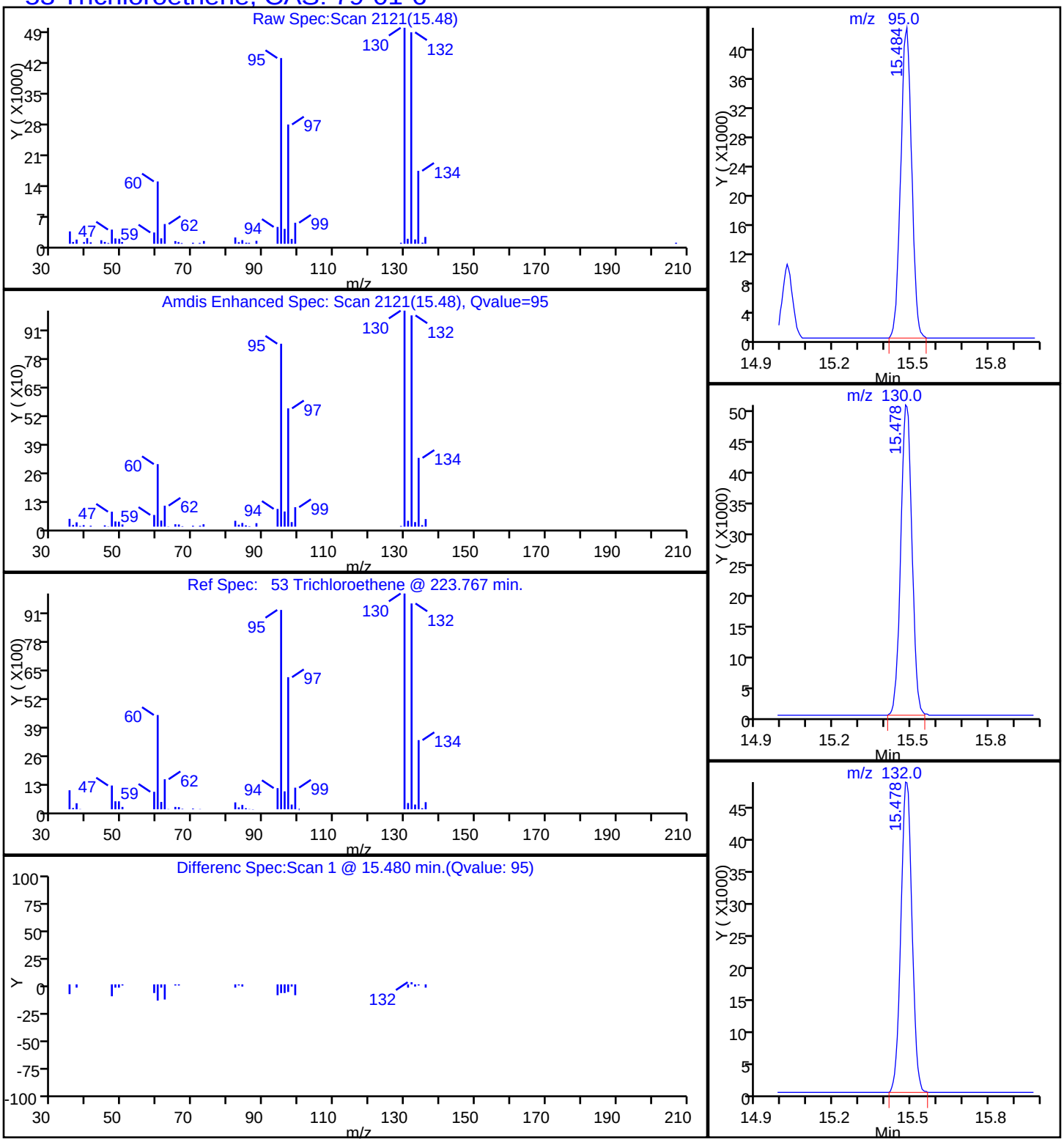






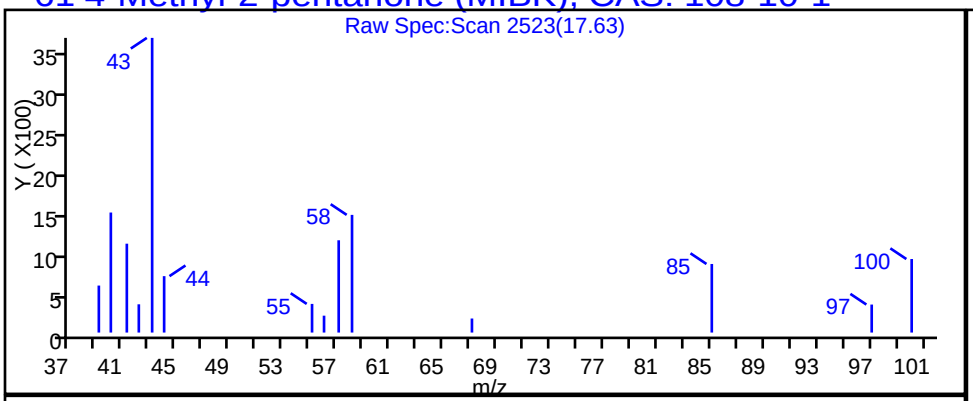
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

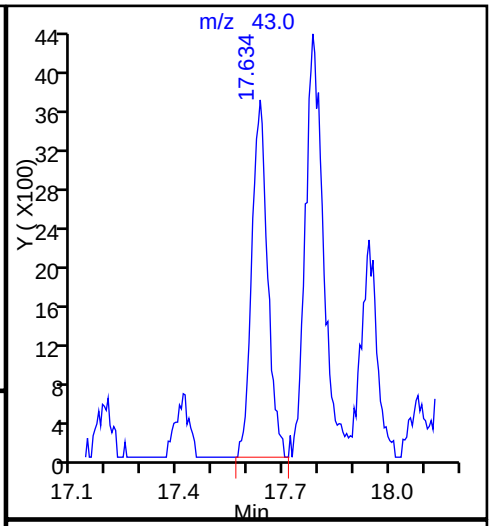
53 Trichloroethene, CAS: 79-01-6

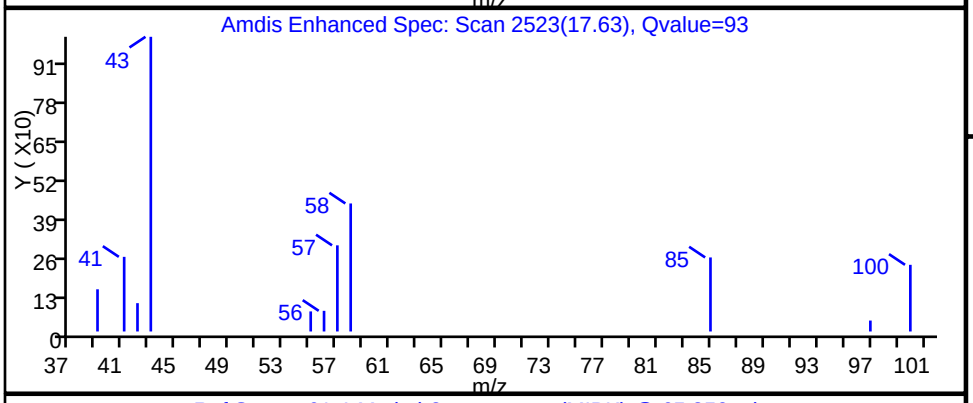


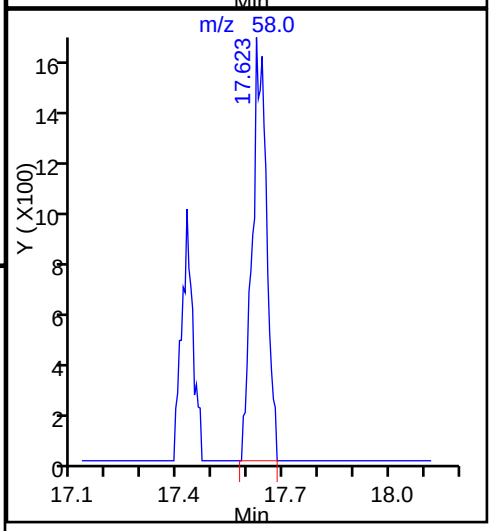
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

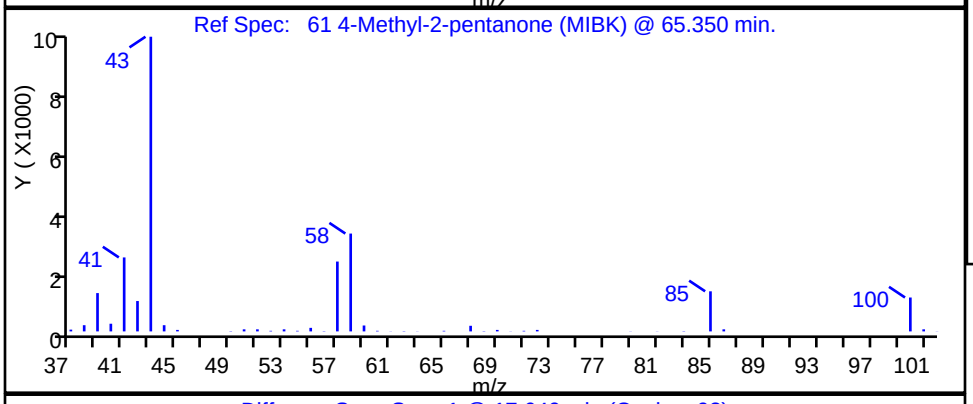
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

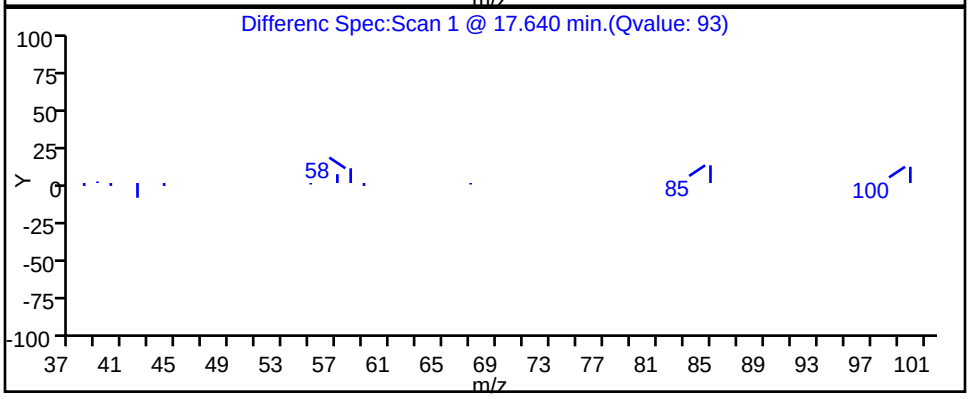








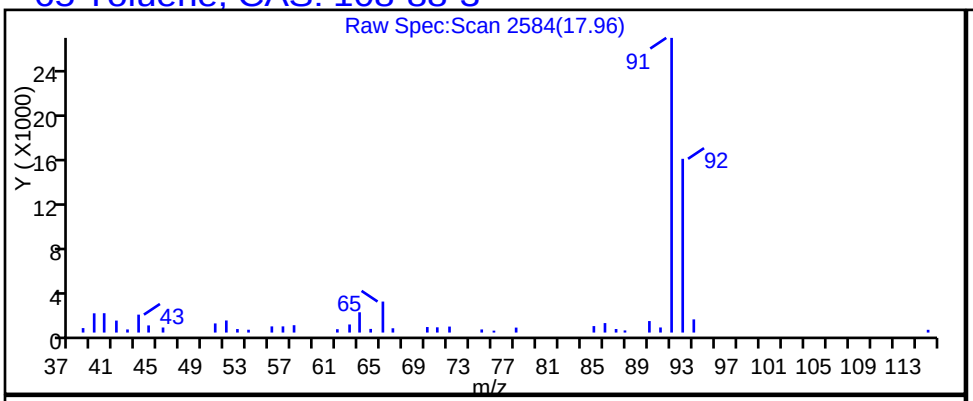


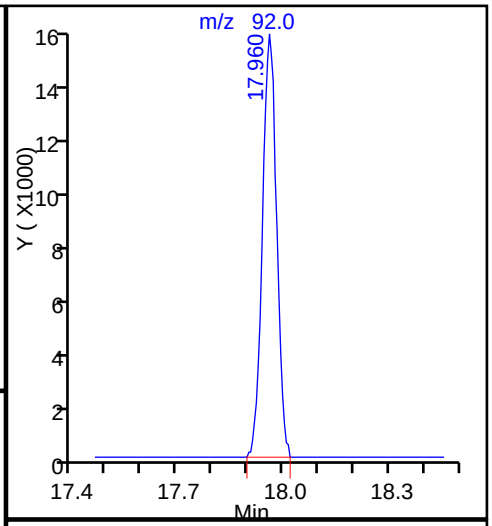


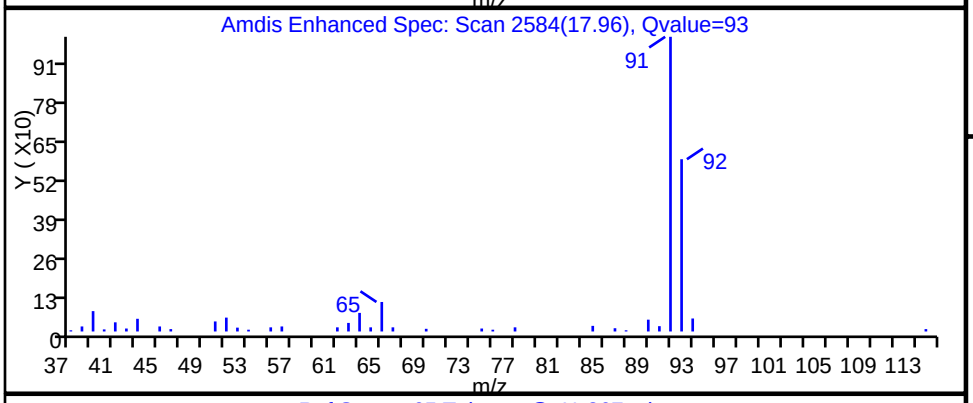
TestAmerica Burlington

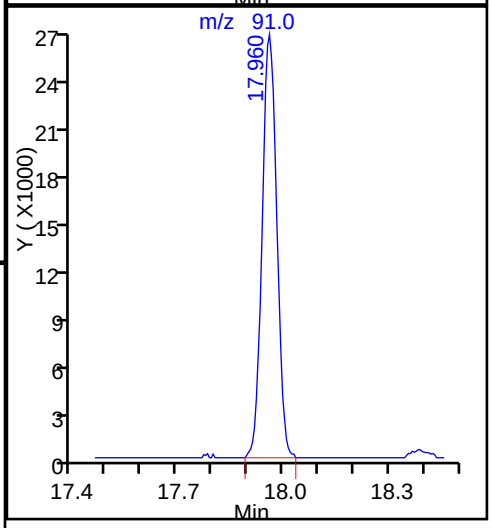
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

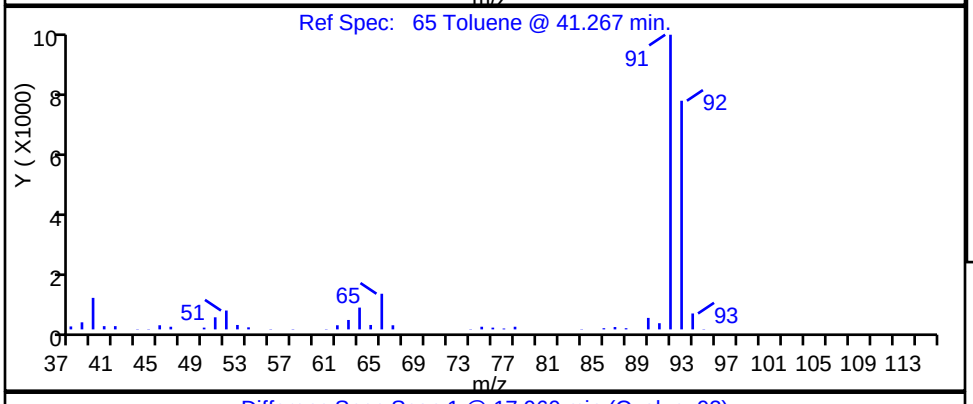
65 Toluene, CAS: 108-88-3

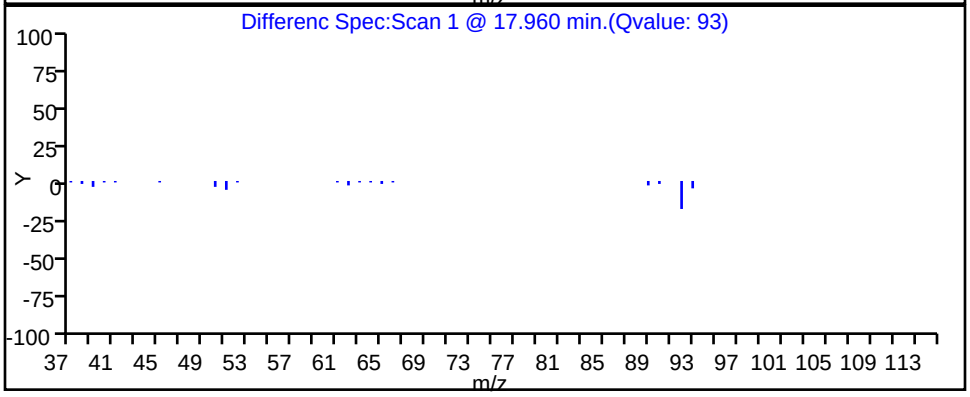








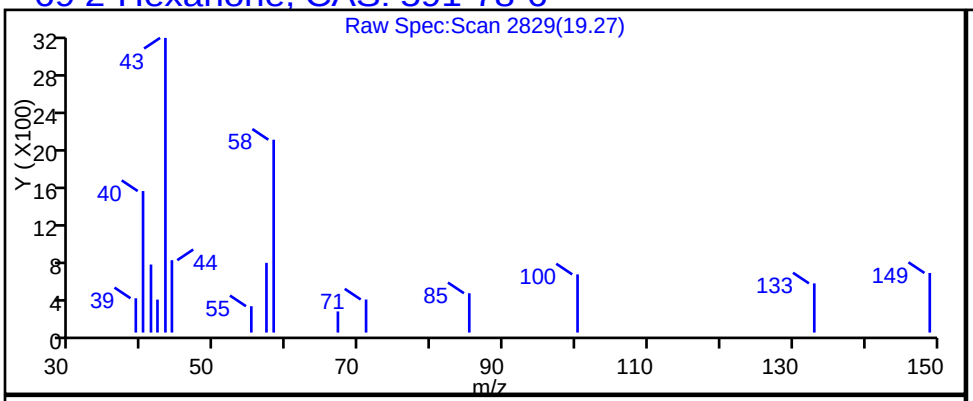


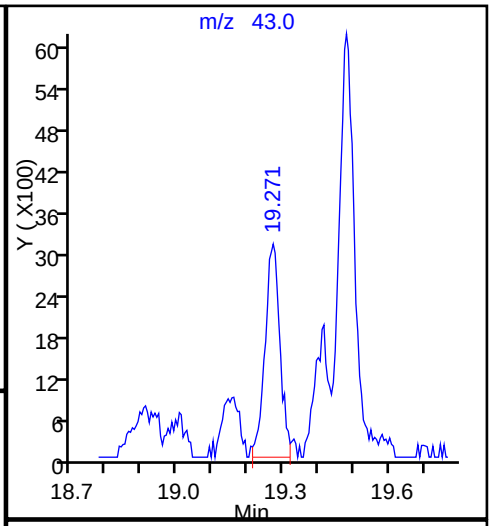


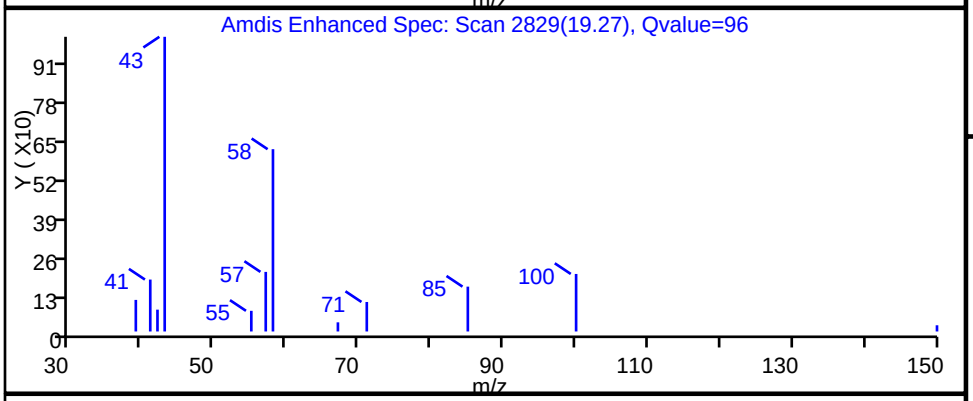
TestAmerica Burlington

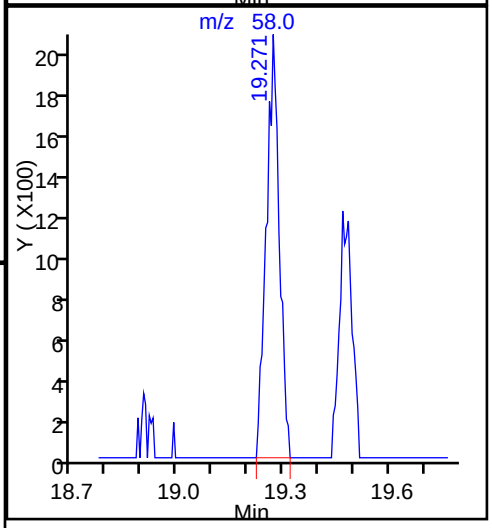
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

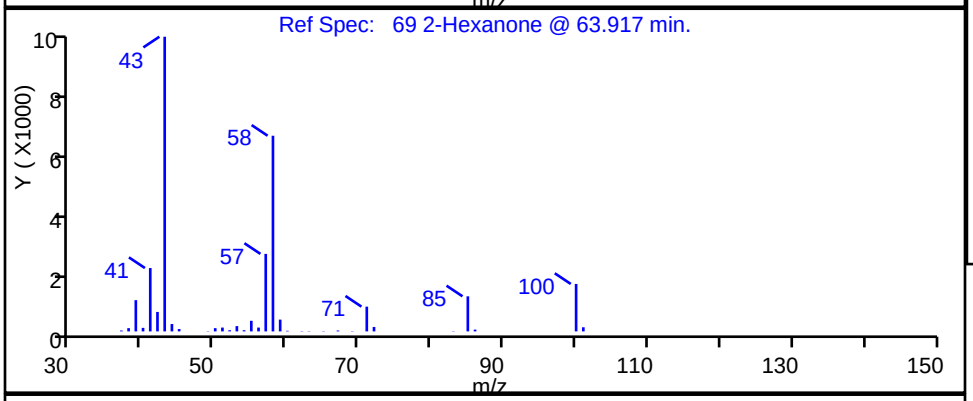
69 2-Hexanone, CAS: 591-78-6

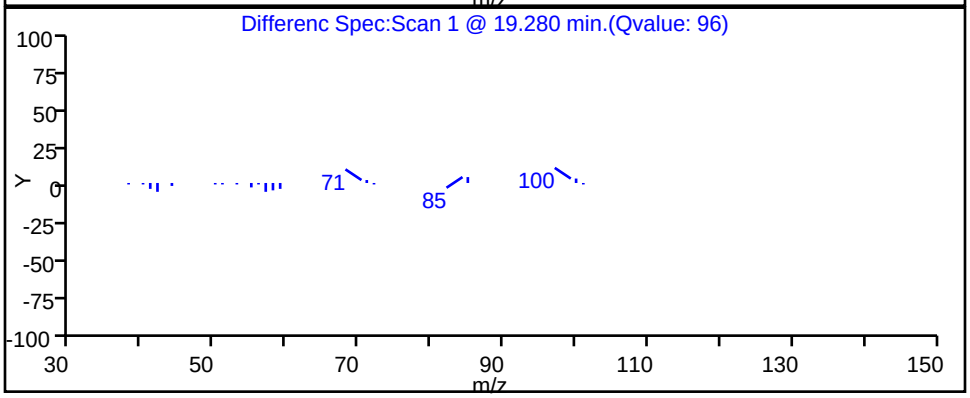






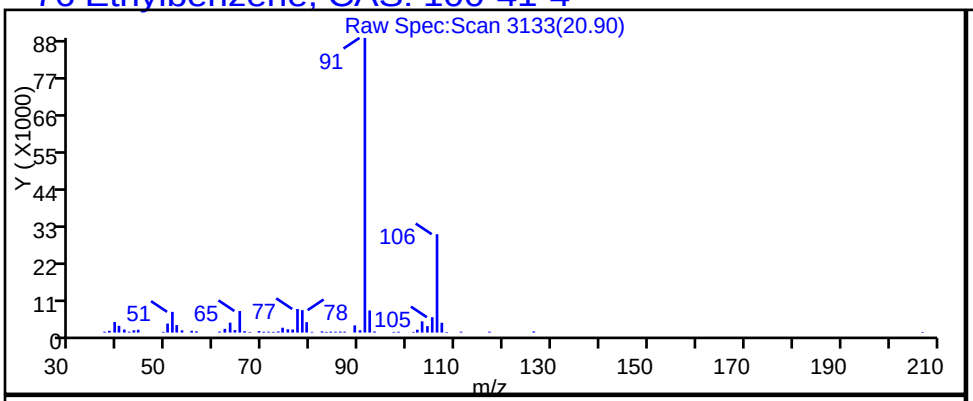


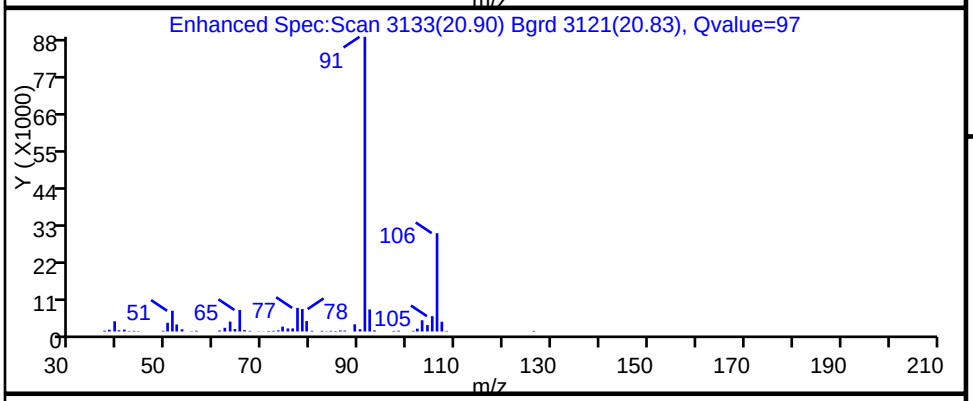


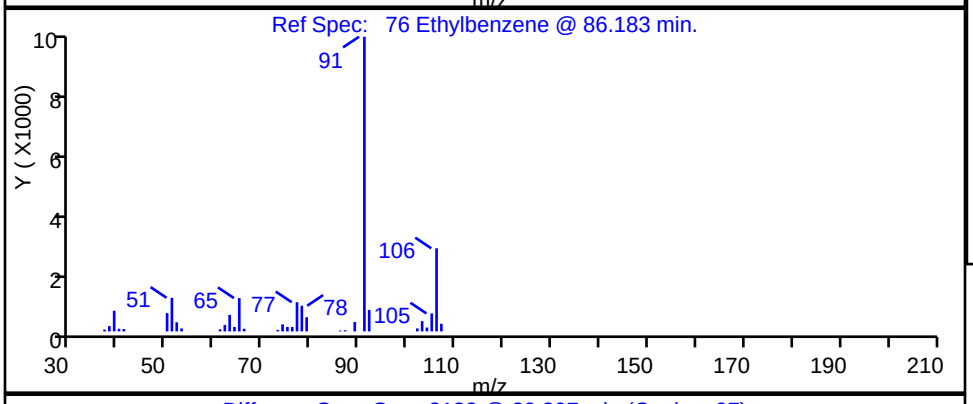


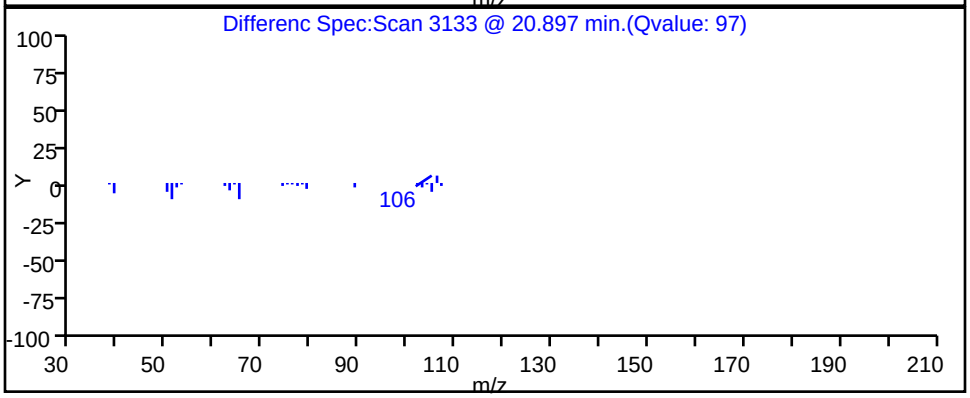
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

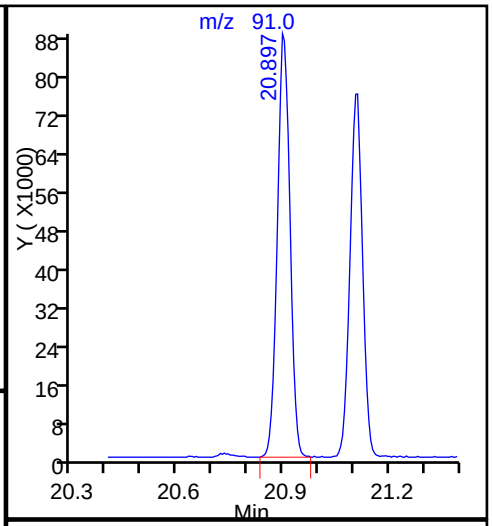
76 Ethylbenzene, CAS: 100-41-4

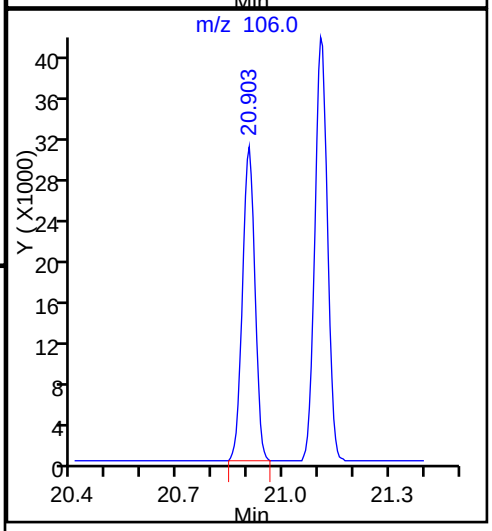








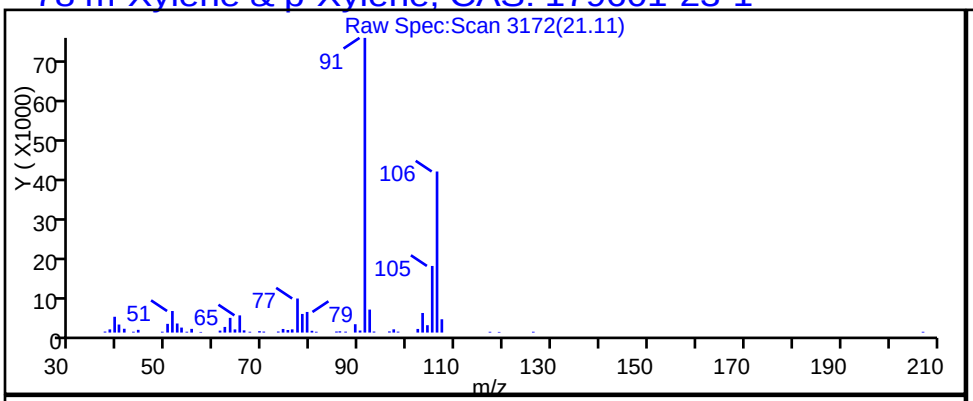


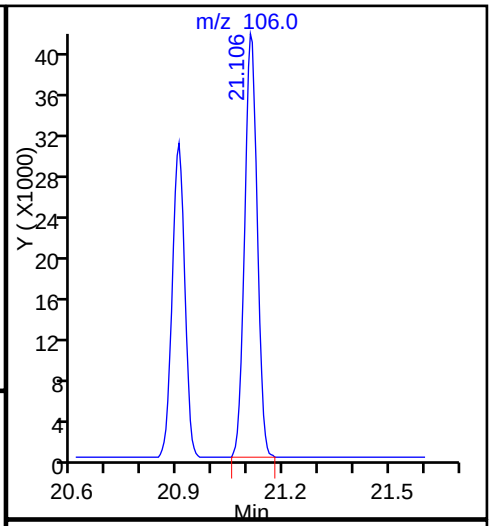


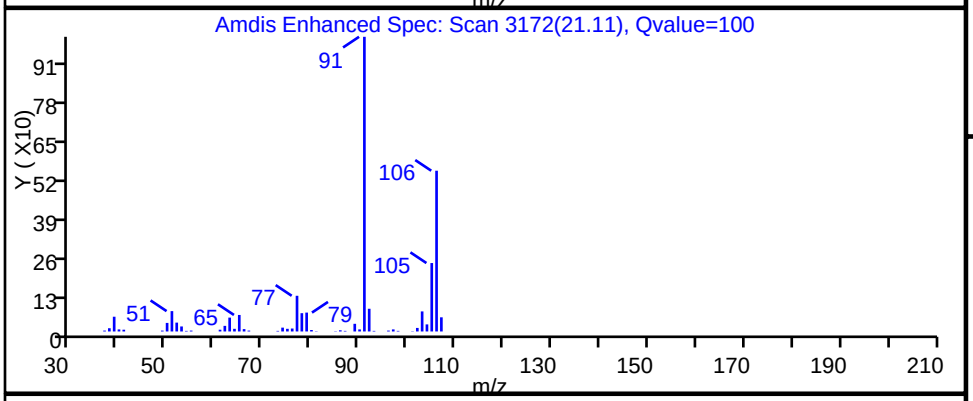
TestAmerica Burlington

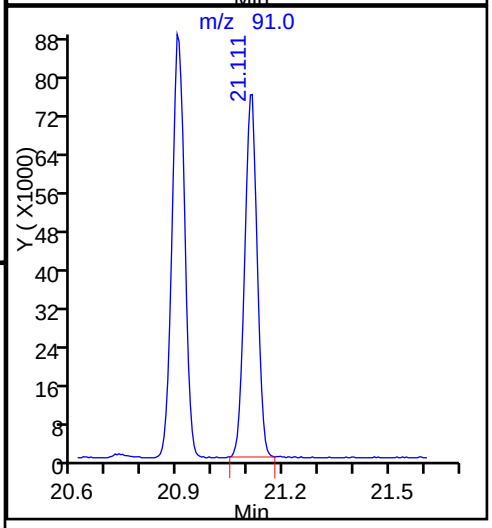
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

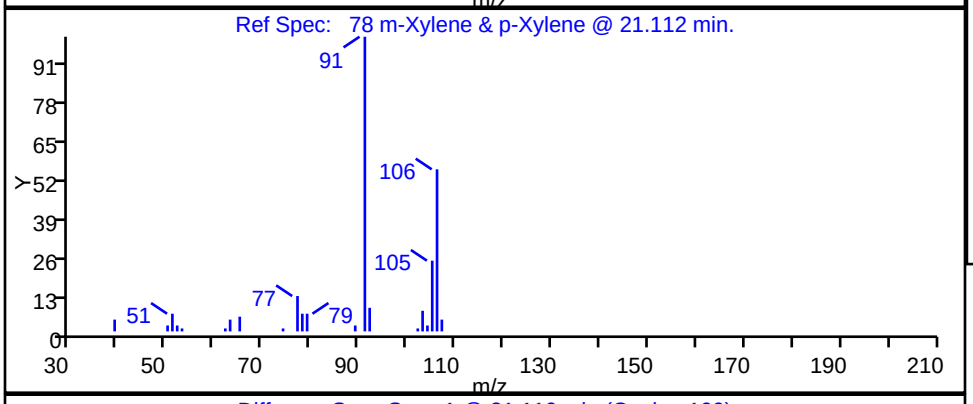
78 m-Xylene & p-Xylene, CAS: 179601-23-1

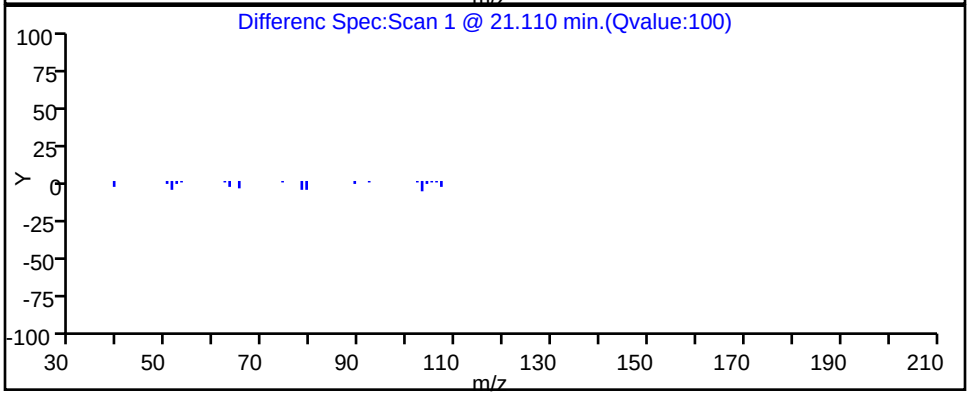








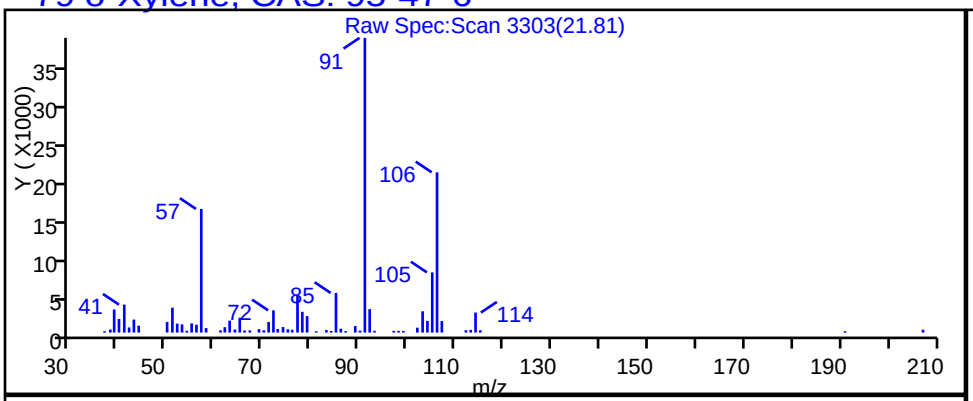


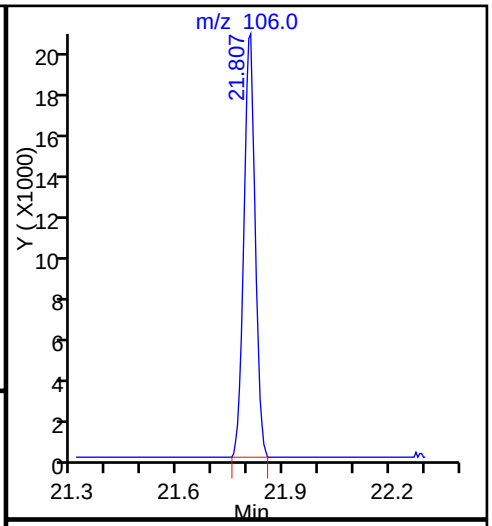


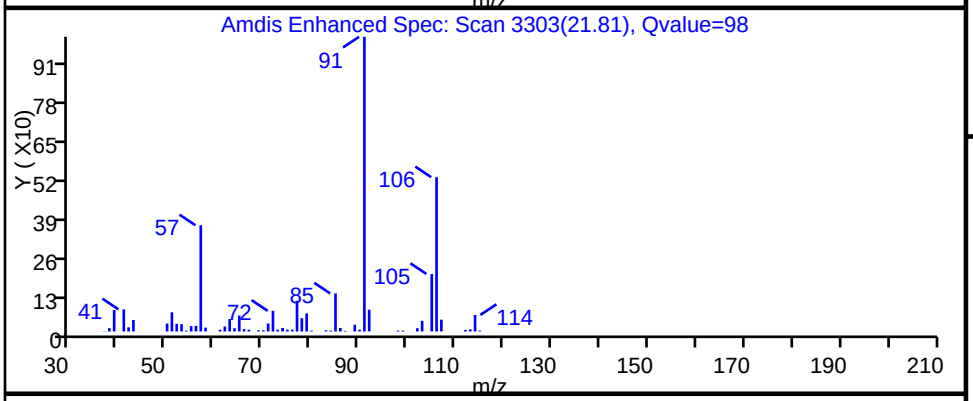
TestAmerica Burlington

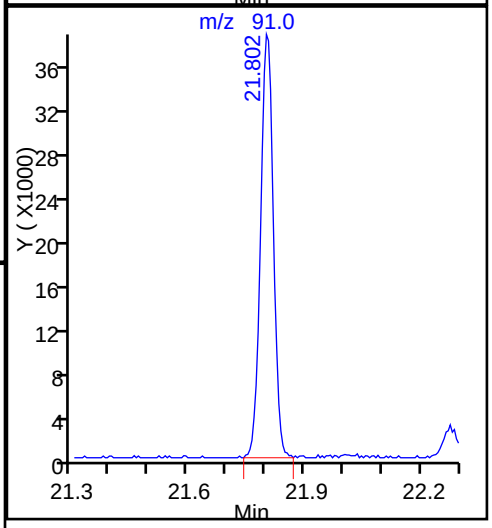
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

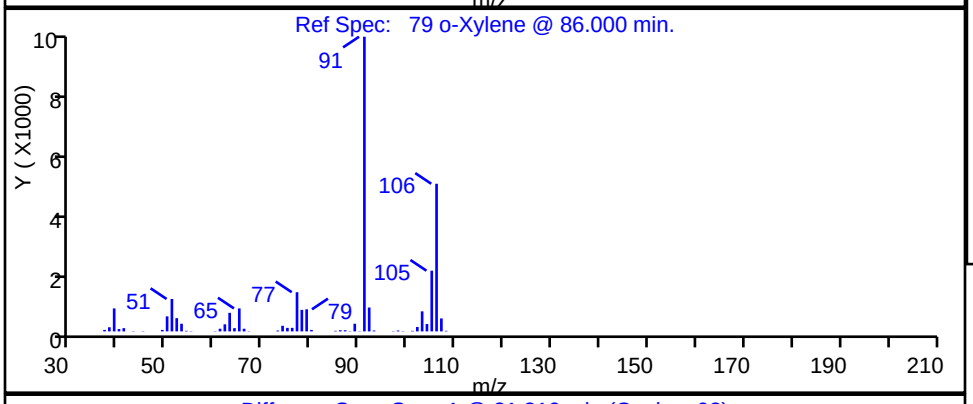
79 o-Xylene, CAS: 95-47-6

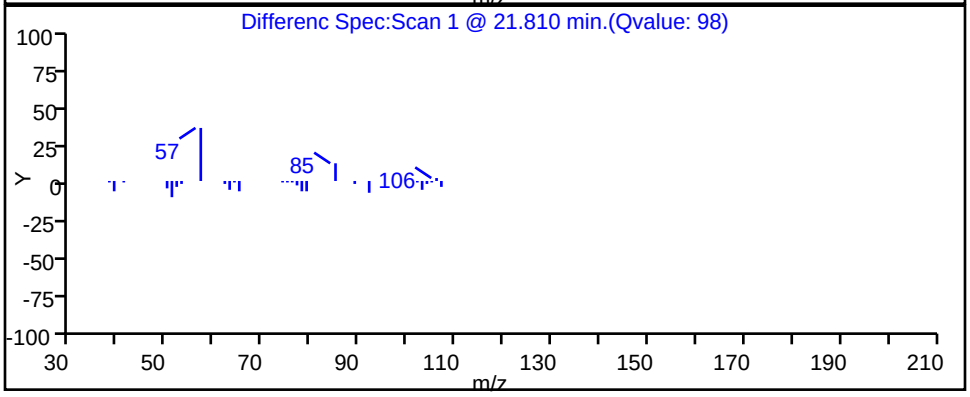








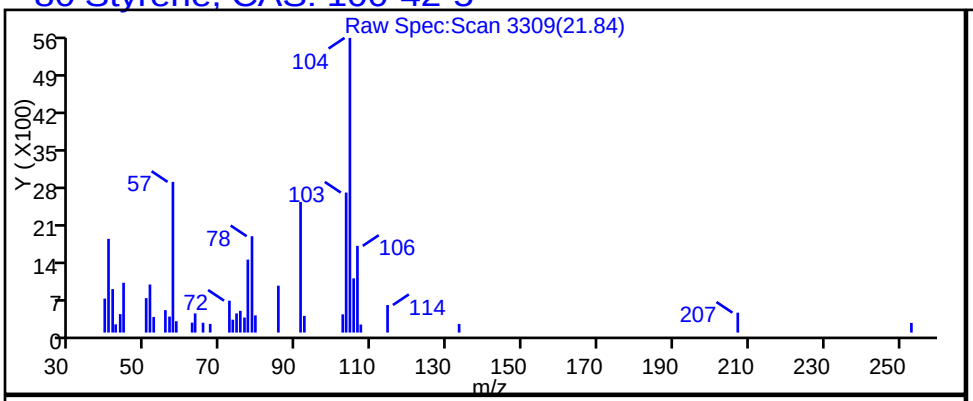


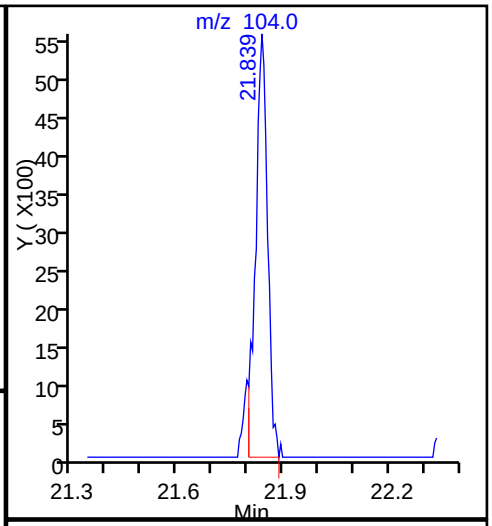


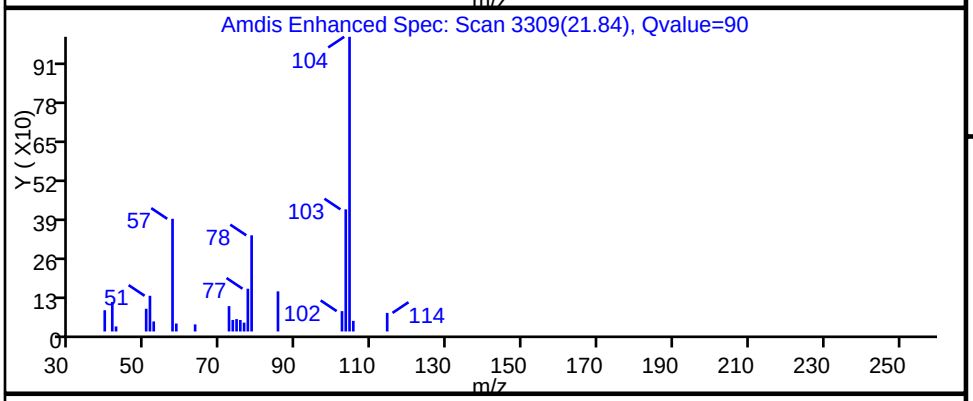
TestAmerica Burlington

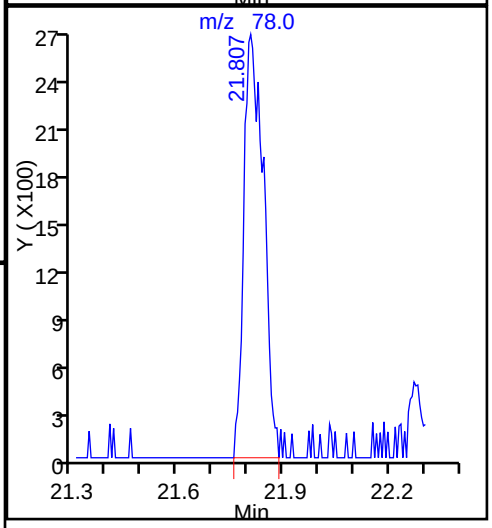
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

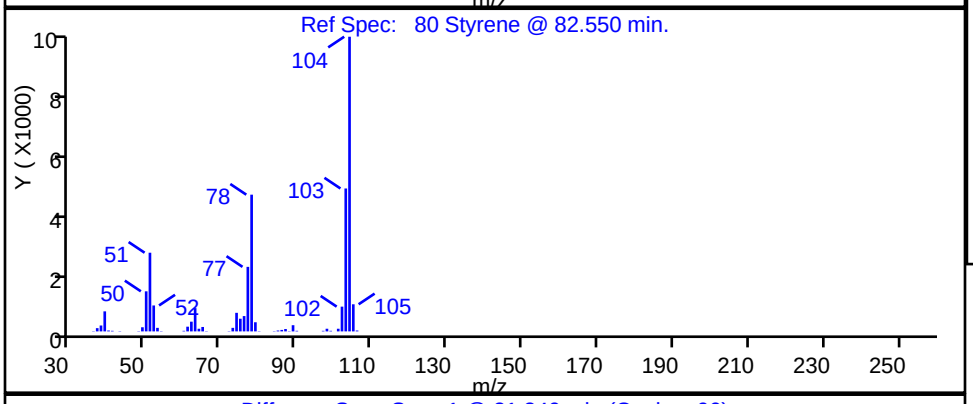
80 Styrene, CAS: 100-42-5

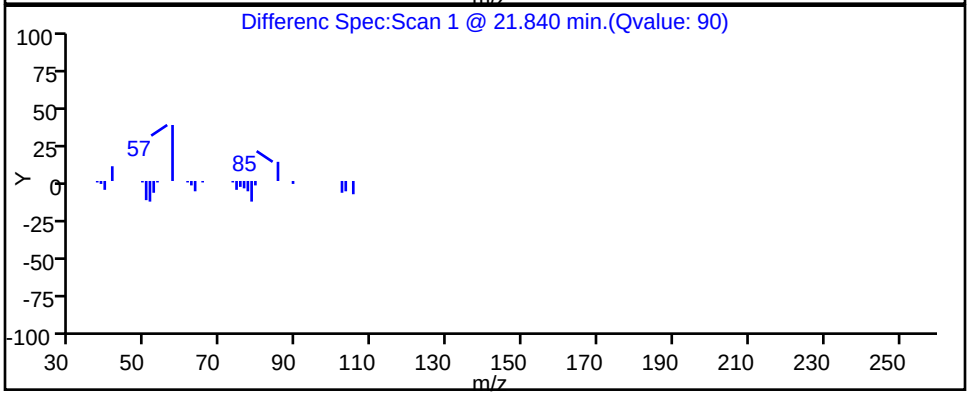








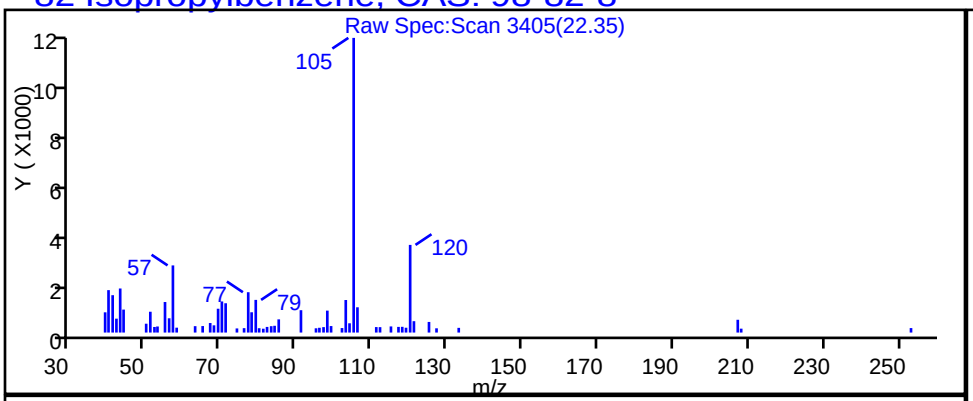


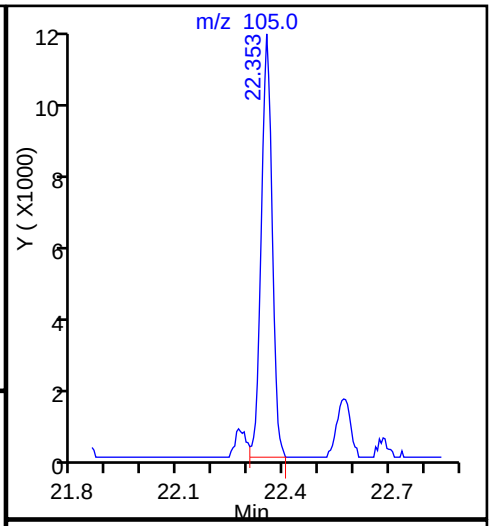


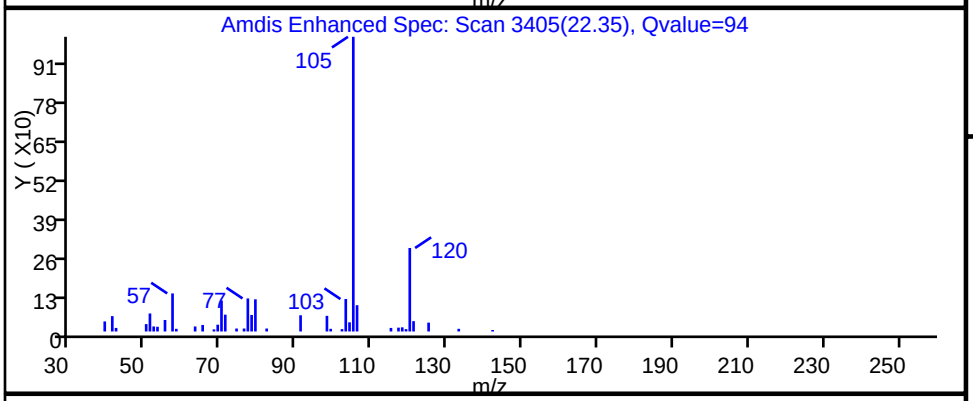
TestAmerica Burlington

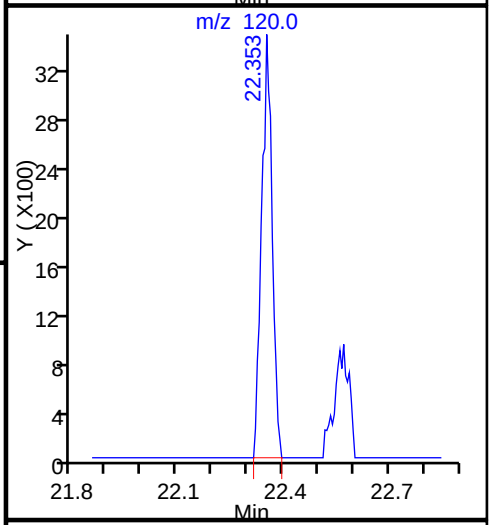
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

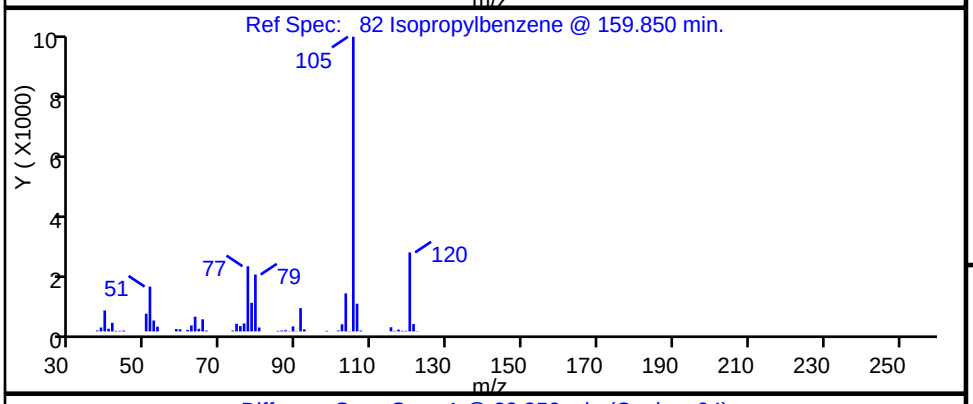
82 Isopropylbenzene, CAS: 98-82-8

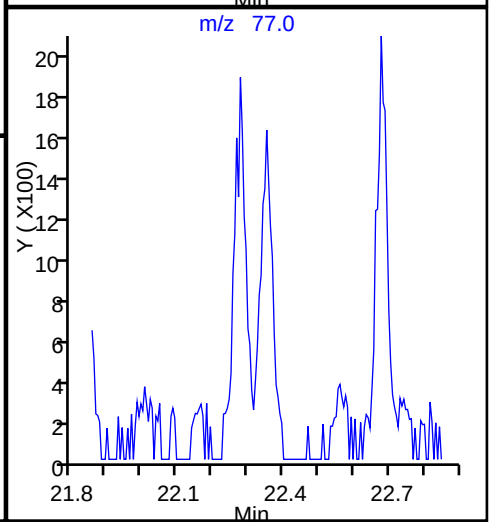


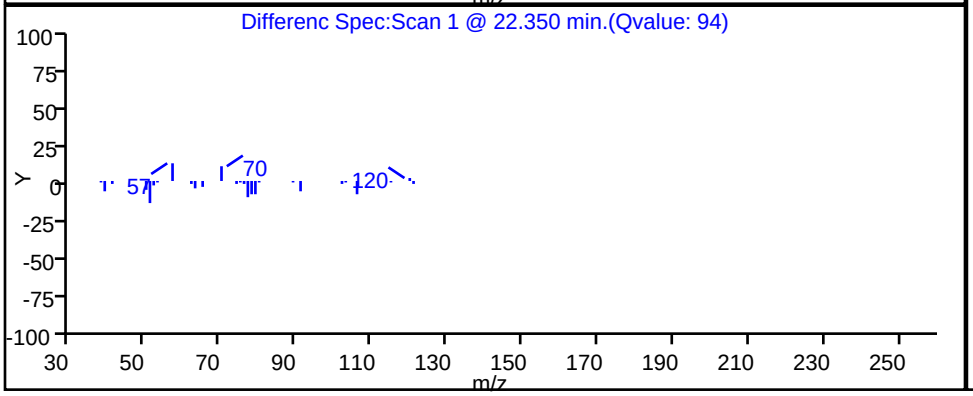








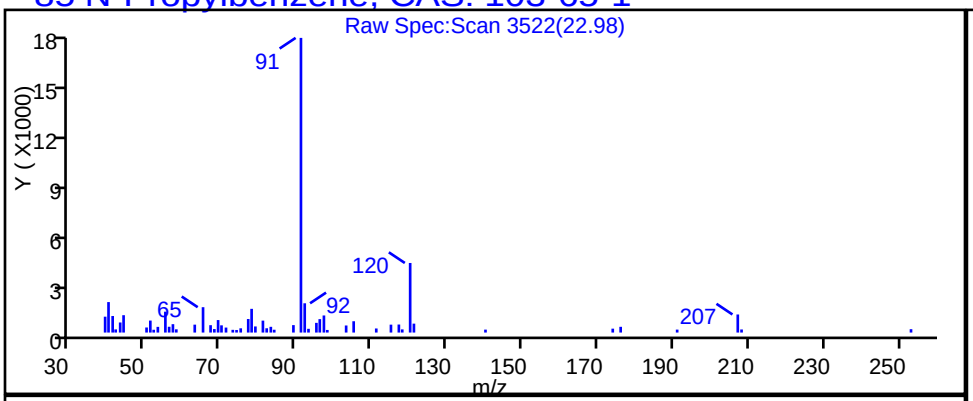


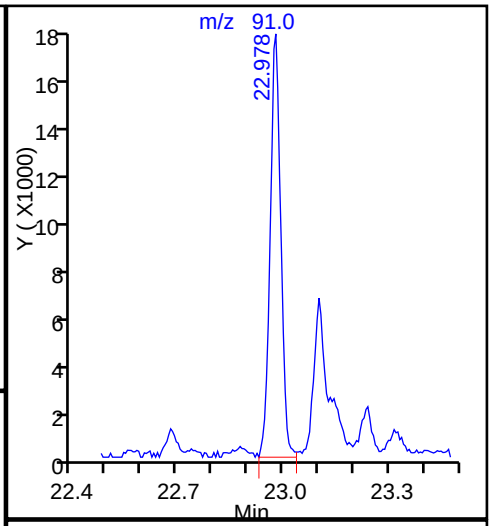


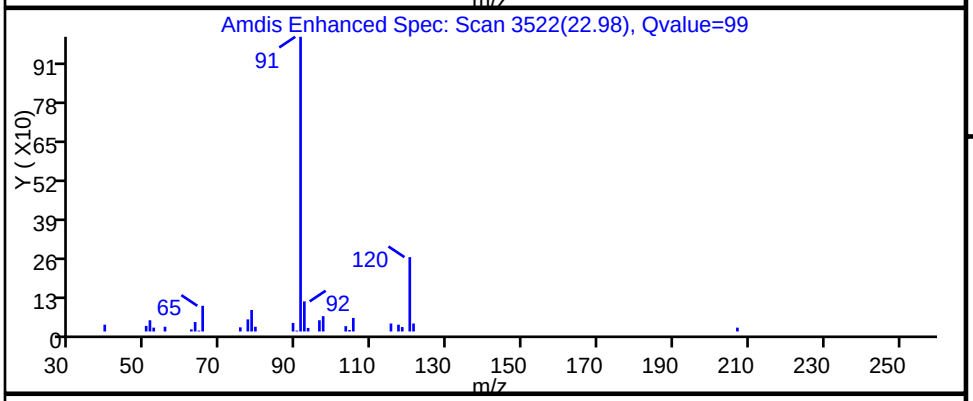
TestAmerica Burlington

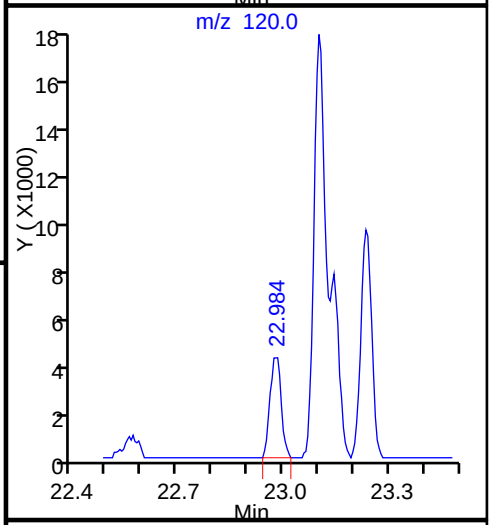
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

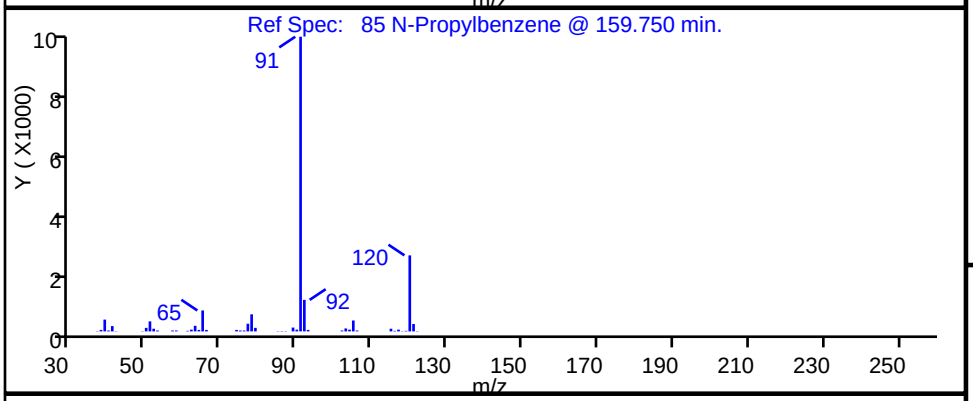
85 N-Propylbenzene, CAS: 103-65-1

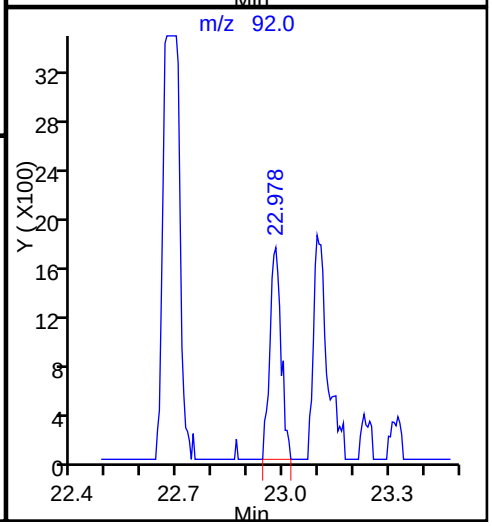


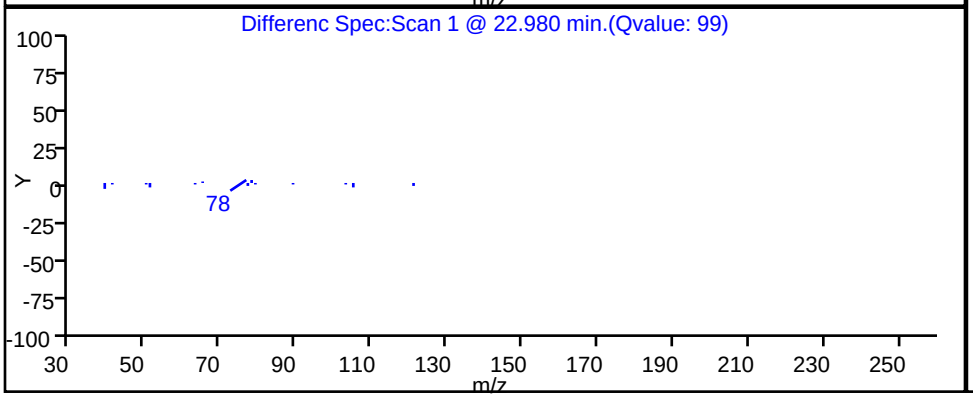






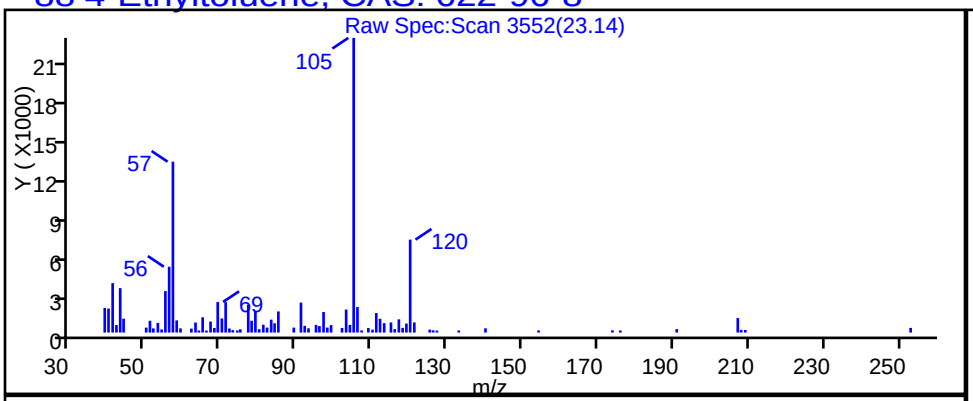


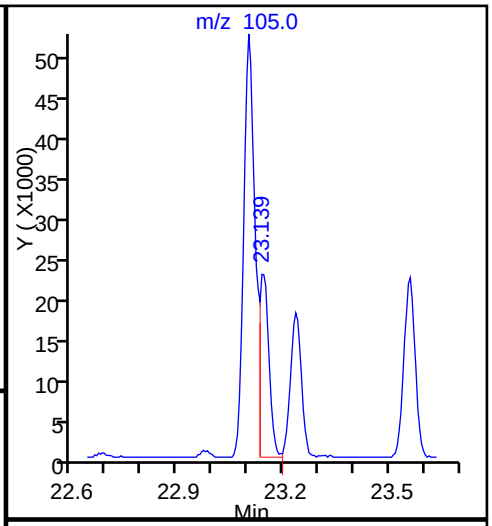


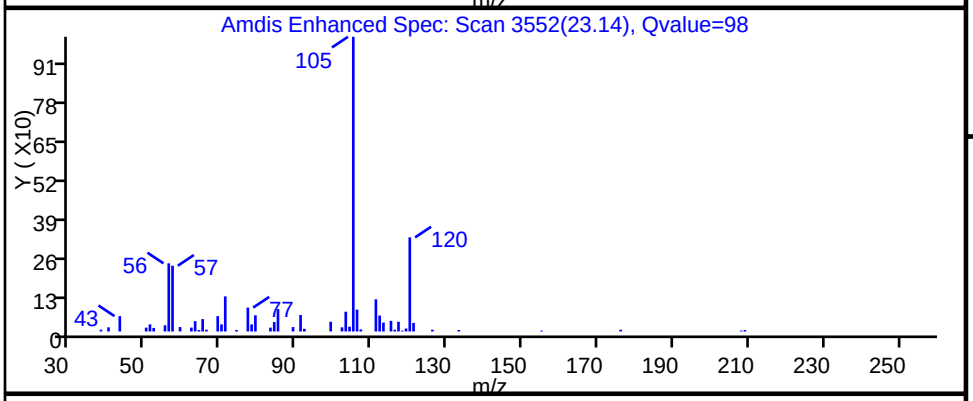


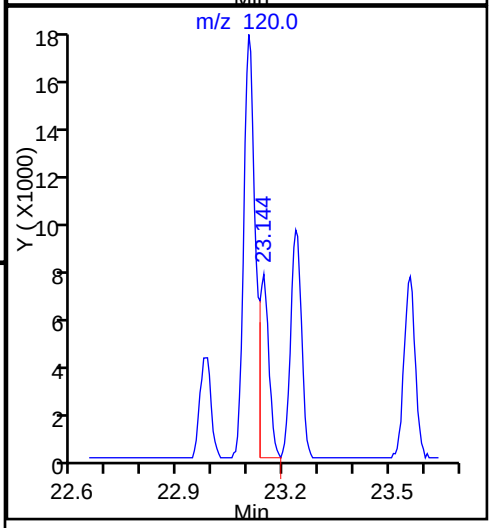
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

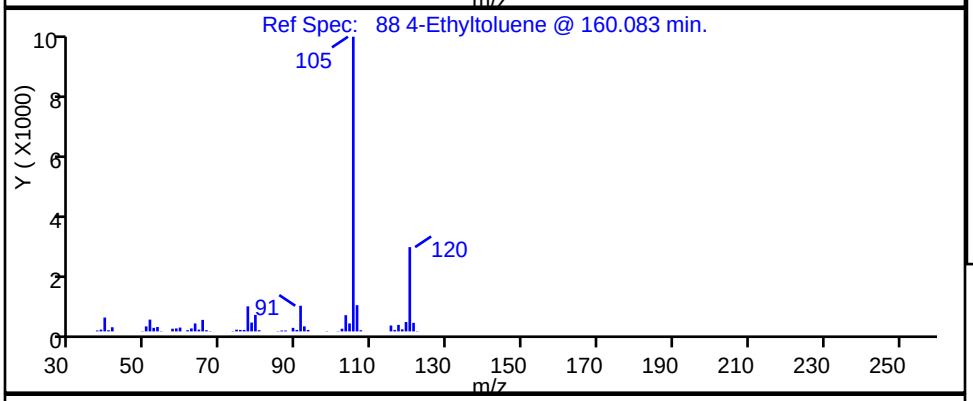
88 4-Ethyltoluene, CAS: 622-96-8

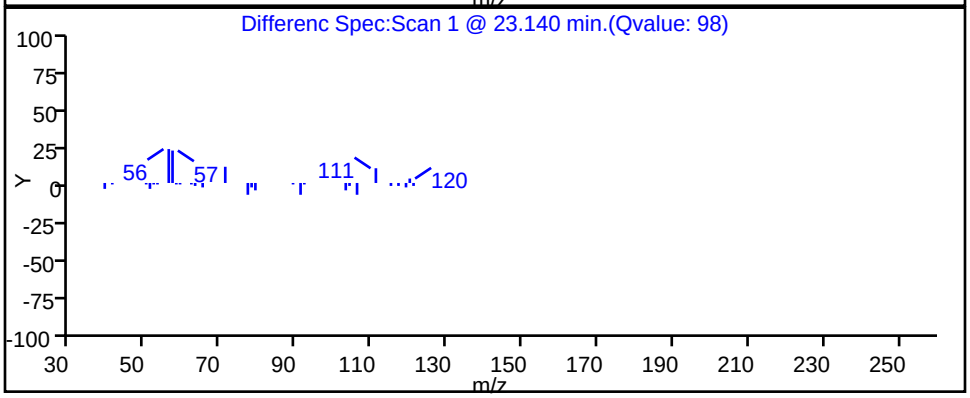








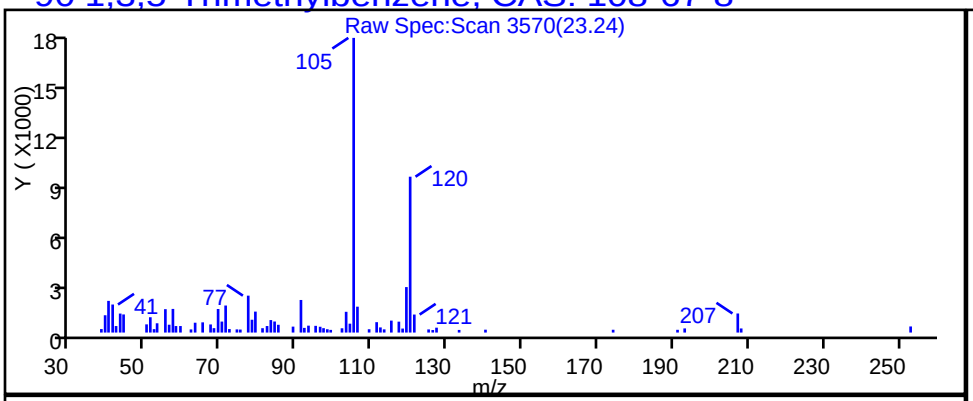


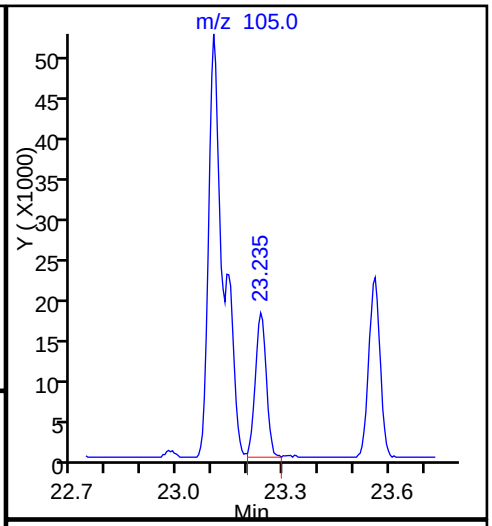


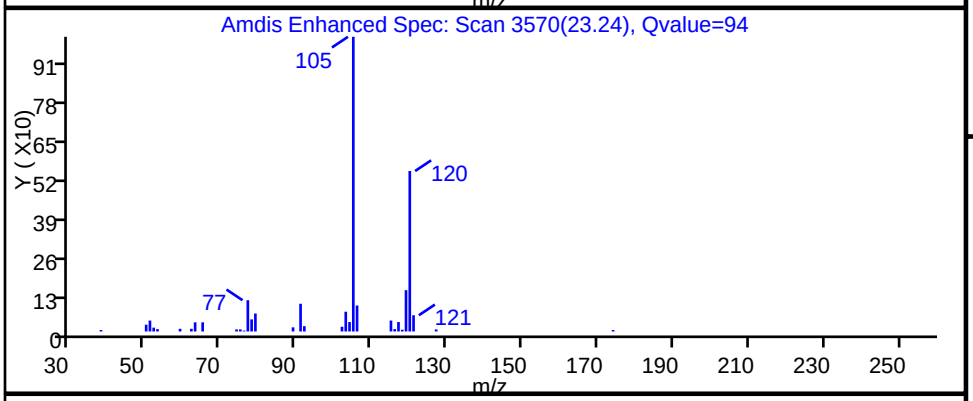
TestAmerica Burlington

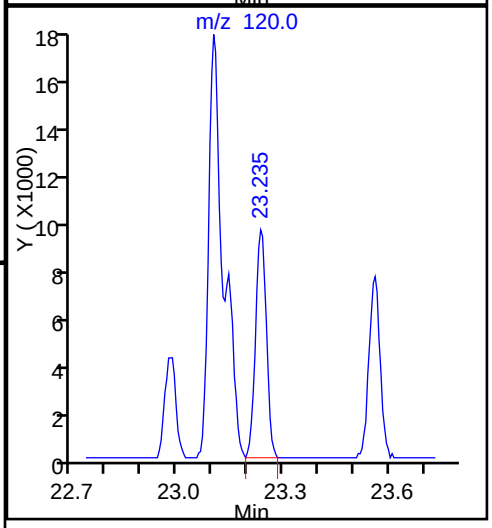
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

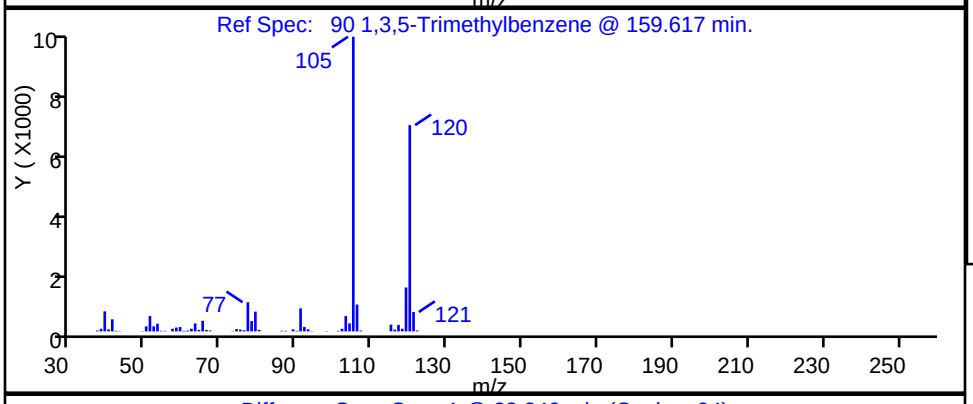
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

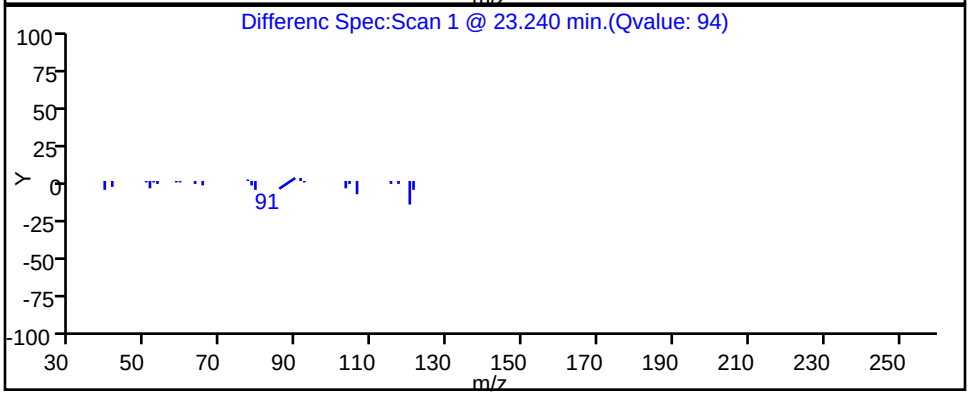








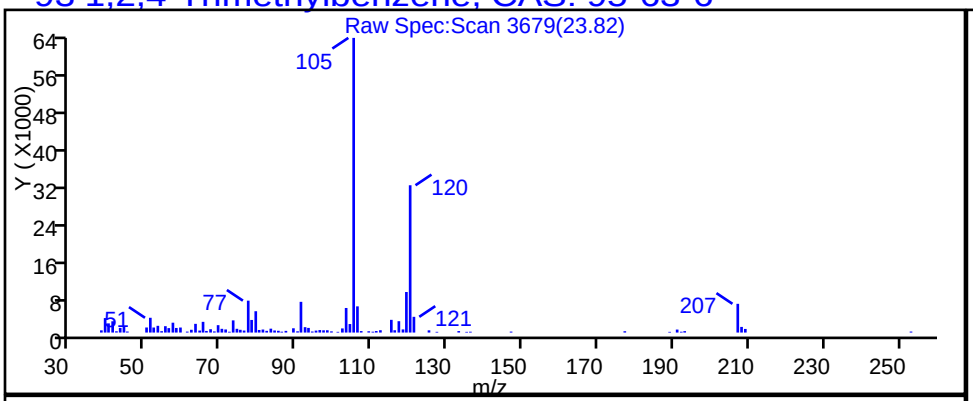


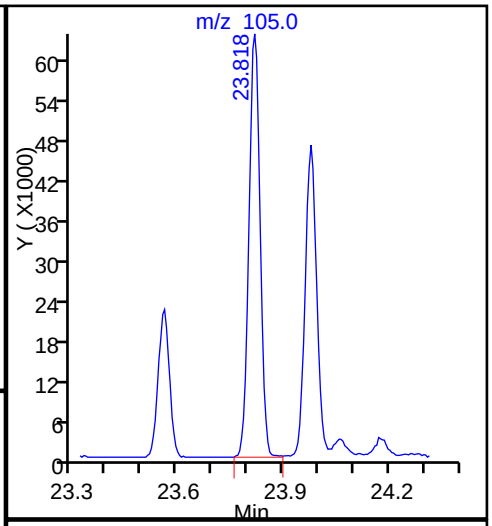


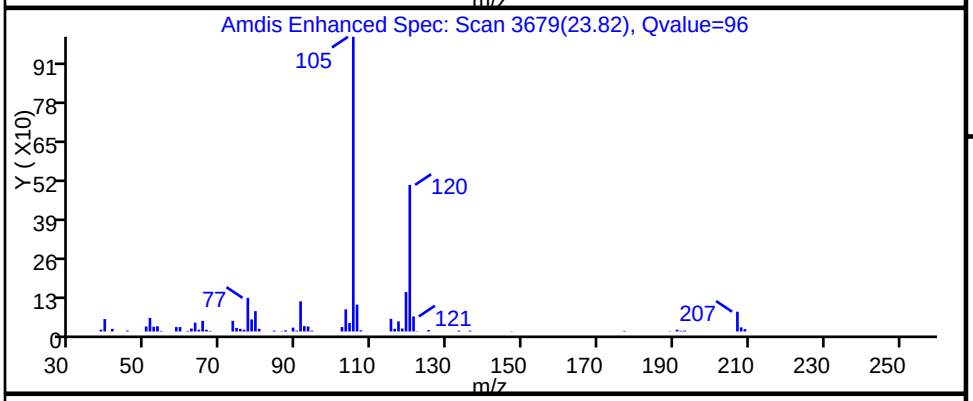
TestAmerica Burlington

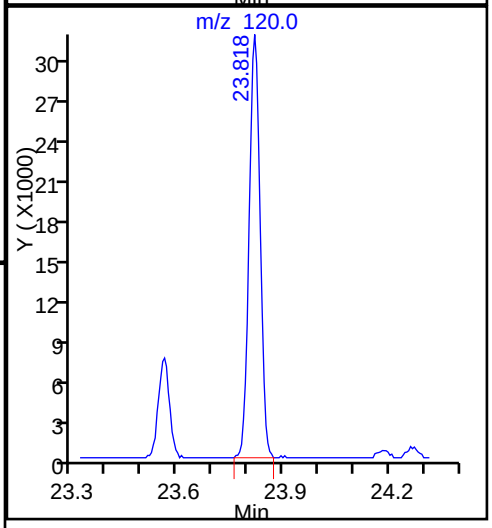
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

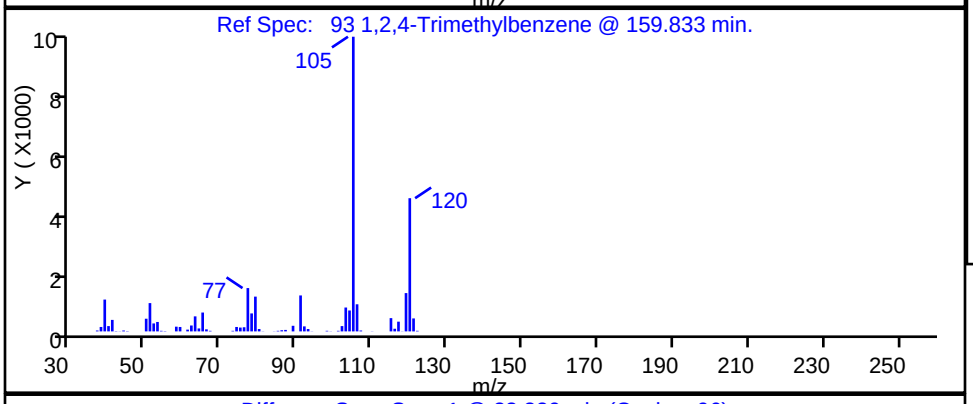
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

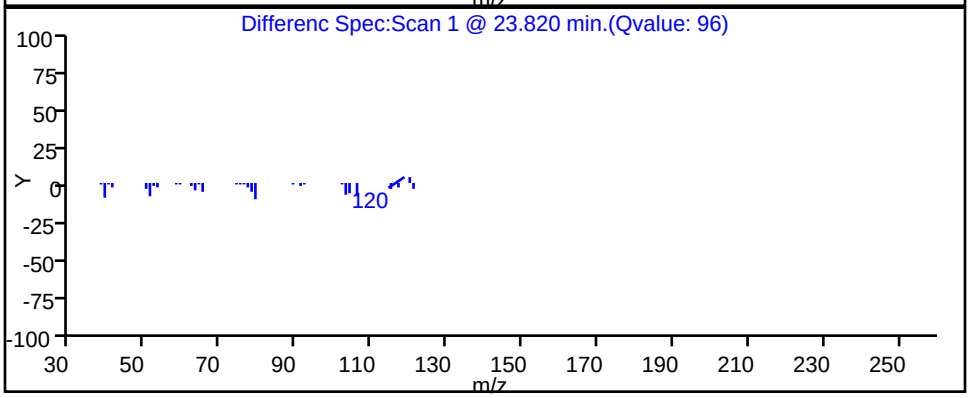








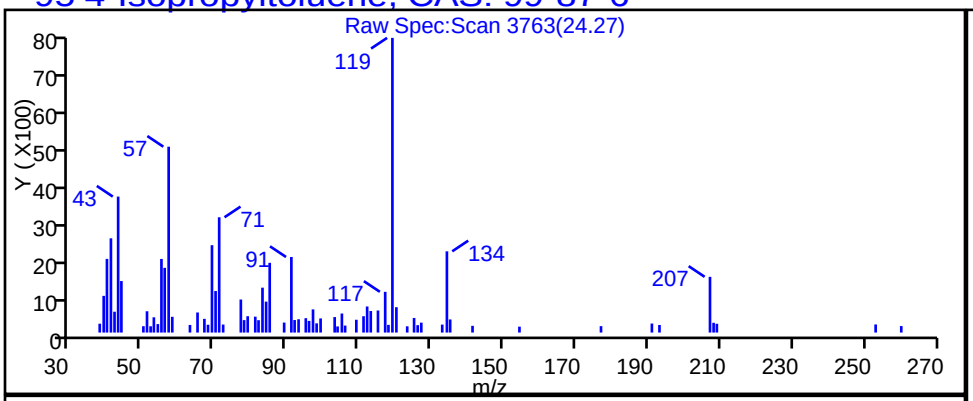


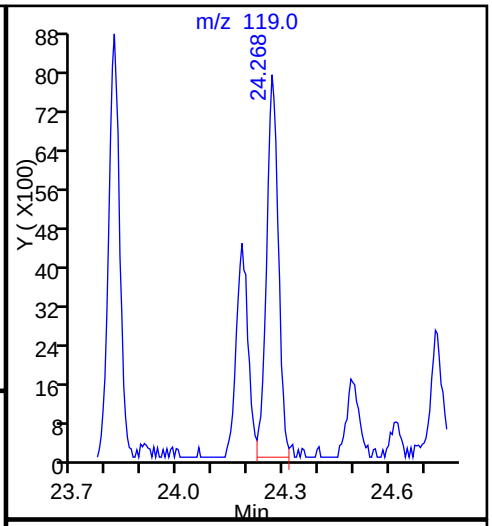


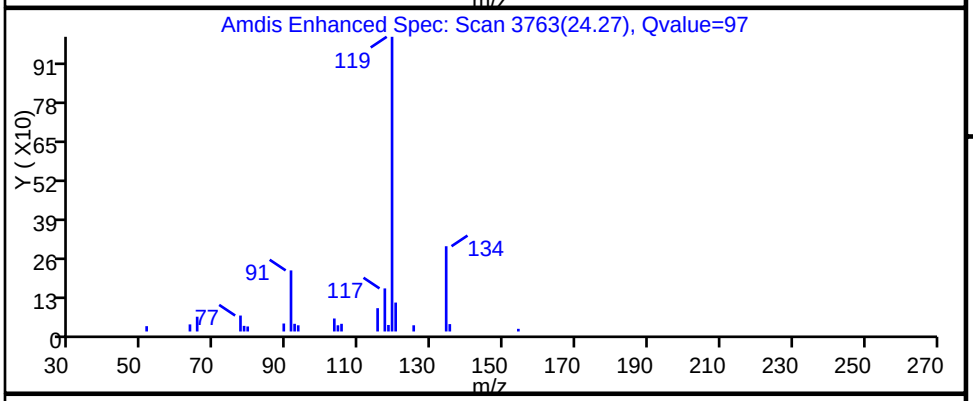
TestAmerica Burlington

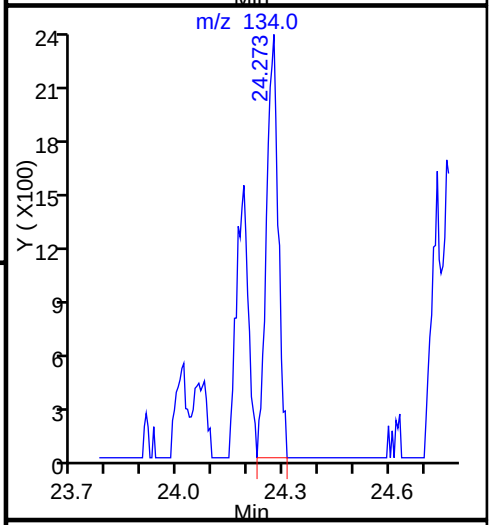
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

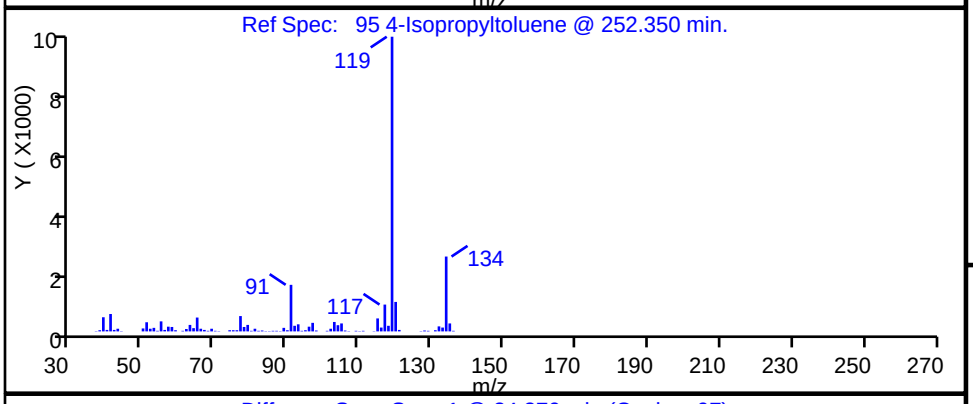
95 4-Isopropyltoluene, CAS: 99-87-6

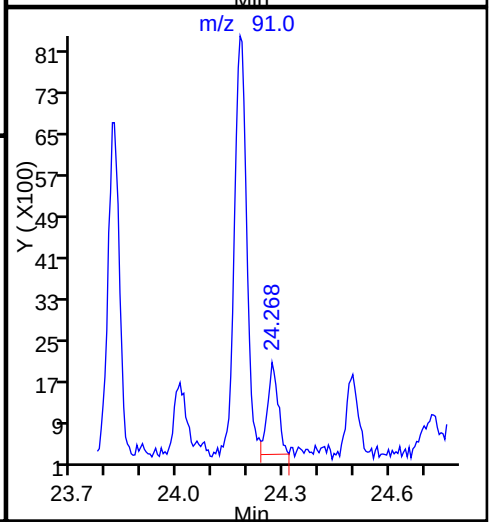


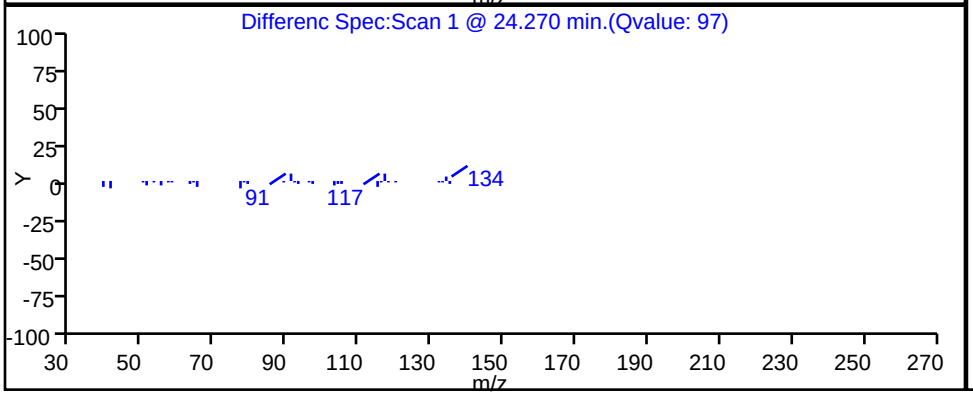






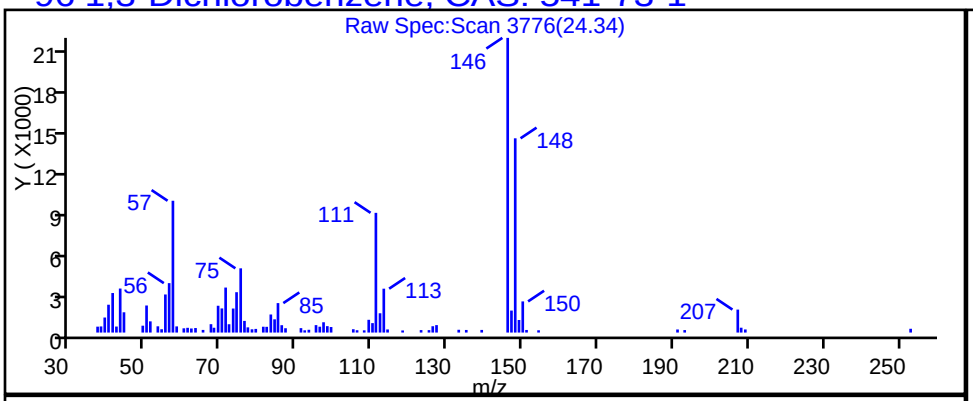


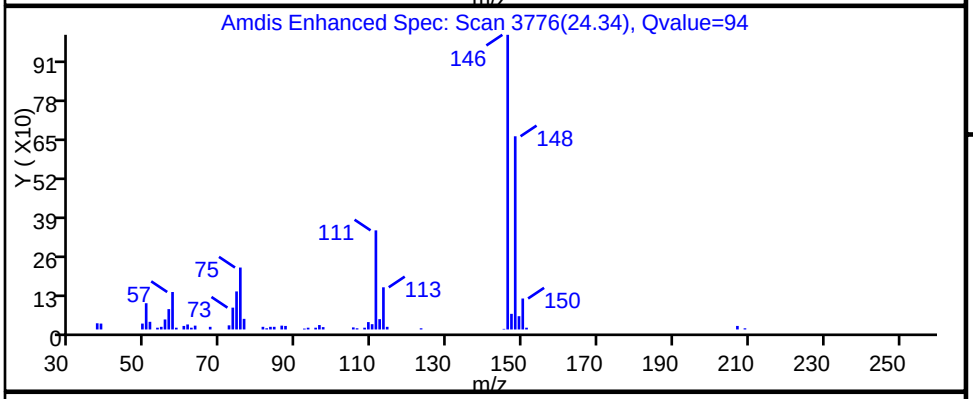


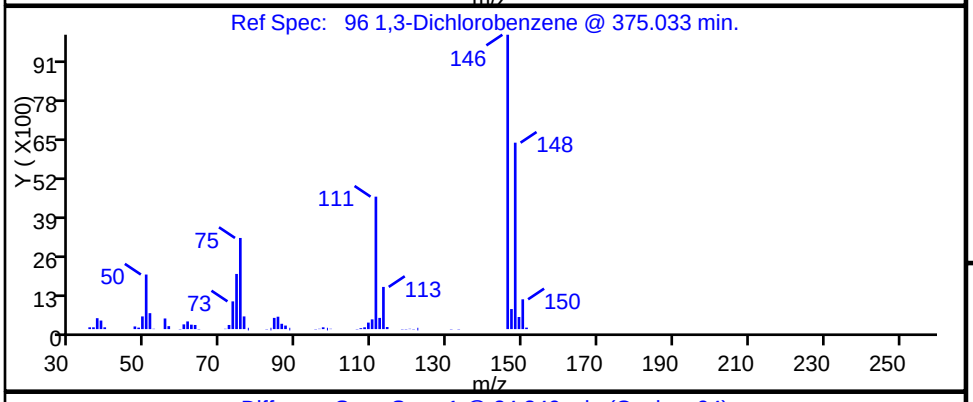


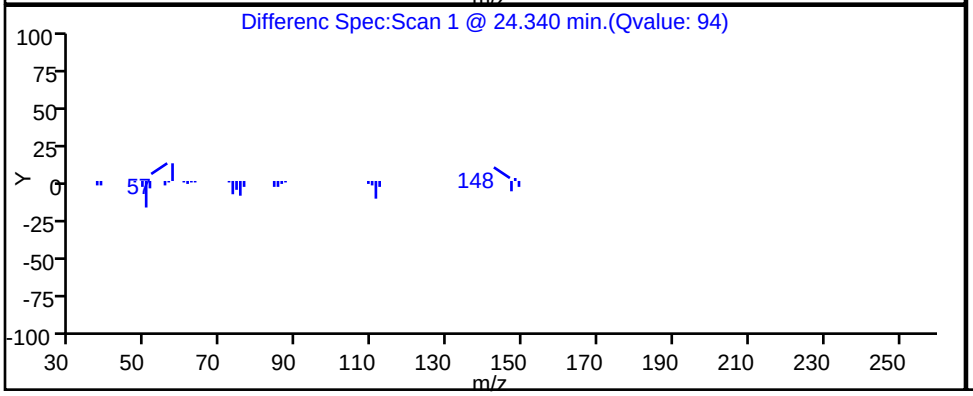
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d
Injection Date: 11-Sep-2015 00:15:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-19 Lab Sample ID: 200-29580-19
Client ID: 785VMP0202PA
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

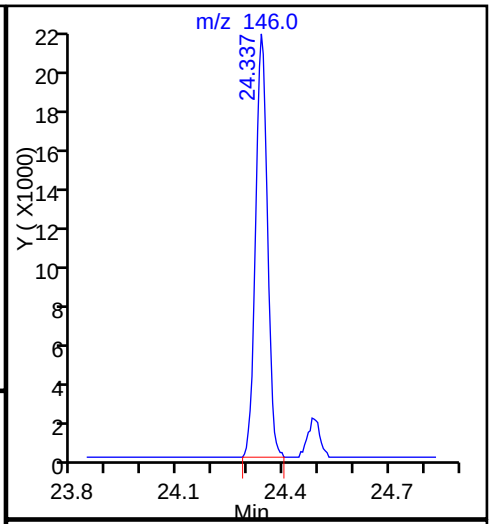
96 1,3-Dichlorobenzene, CAS: 541-73-1

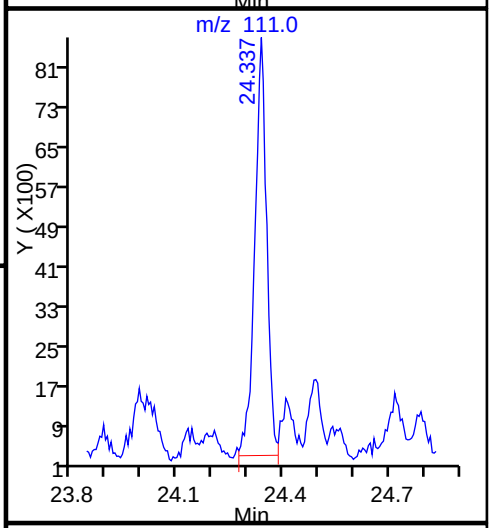


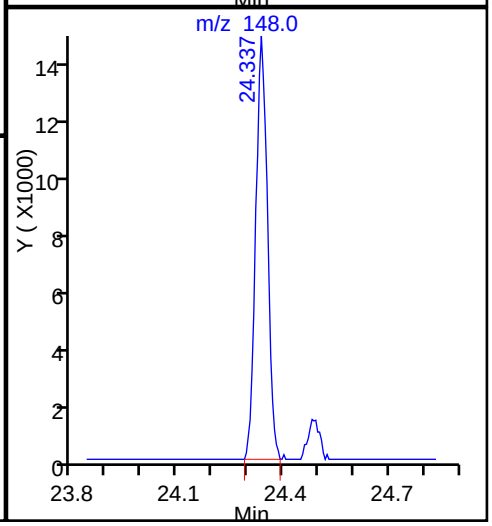








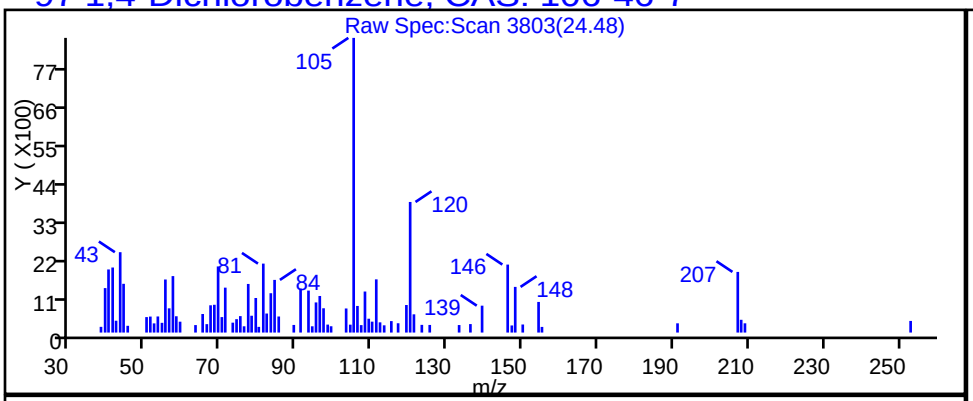


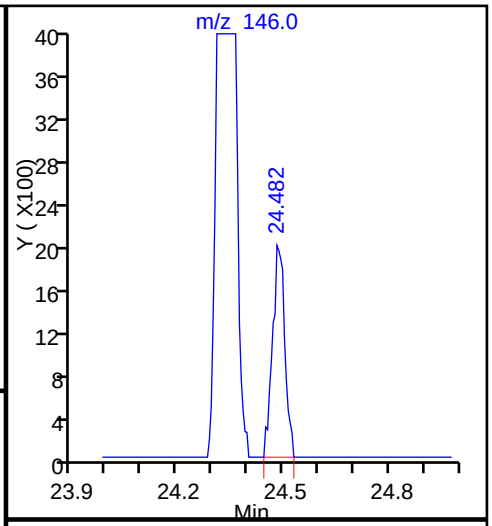


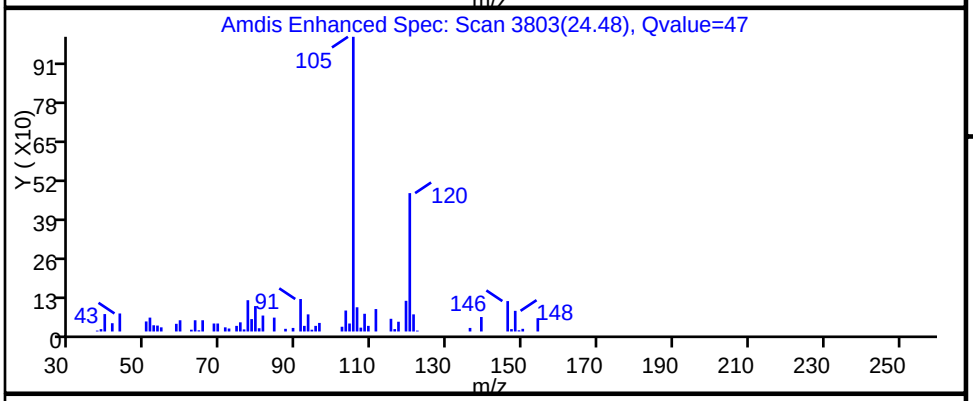
TestAmerica Burlington

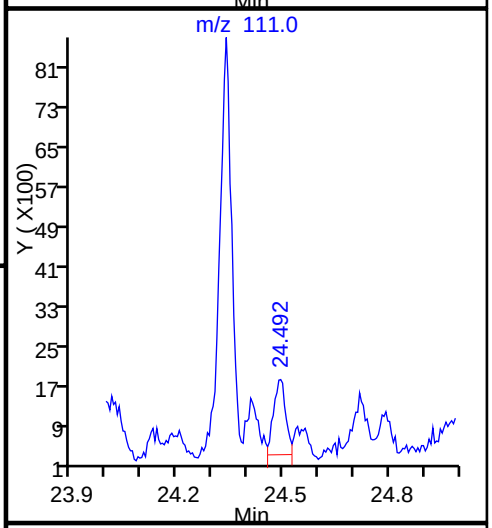
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

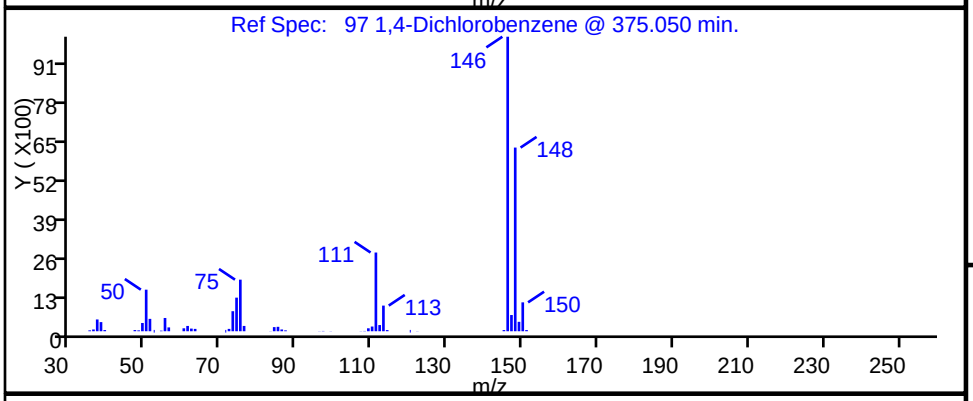
97 1,4-Dichlorobenzene, CAS: 106-46-7

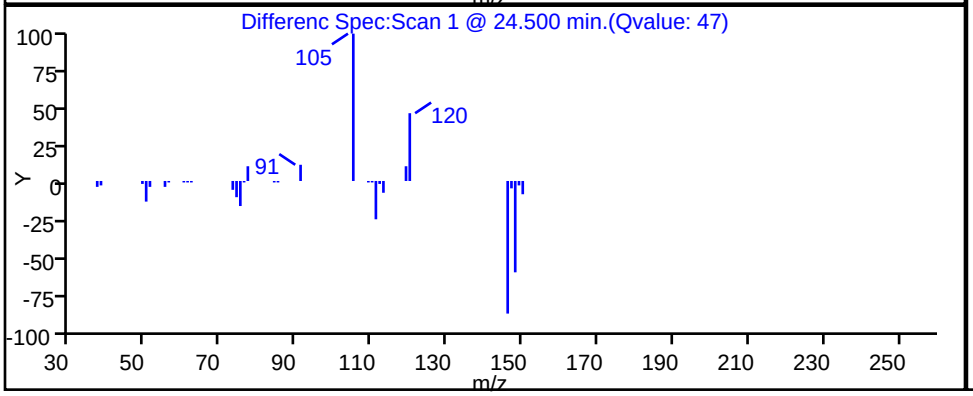


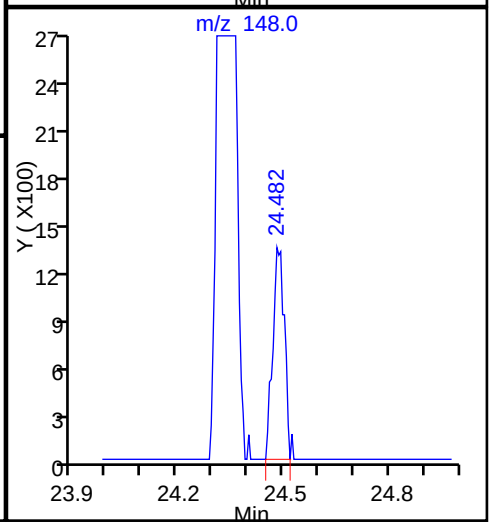








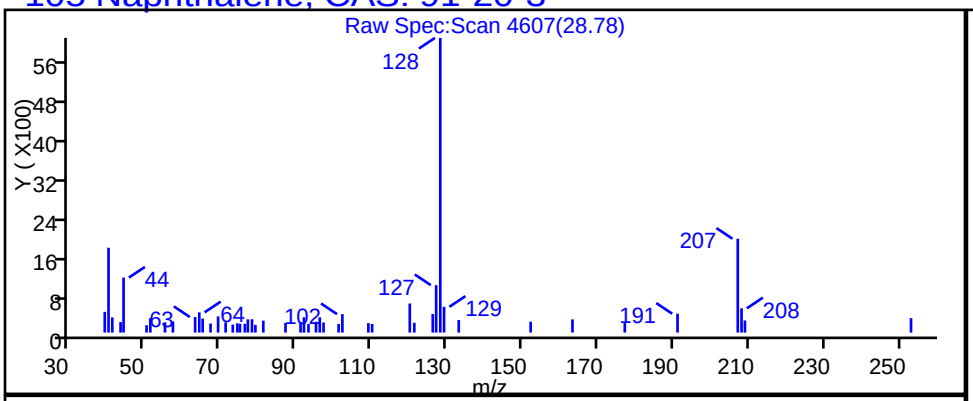


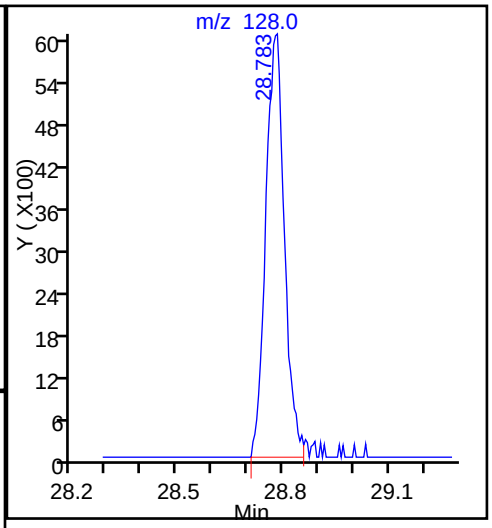


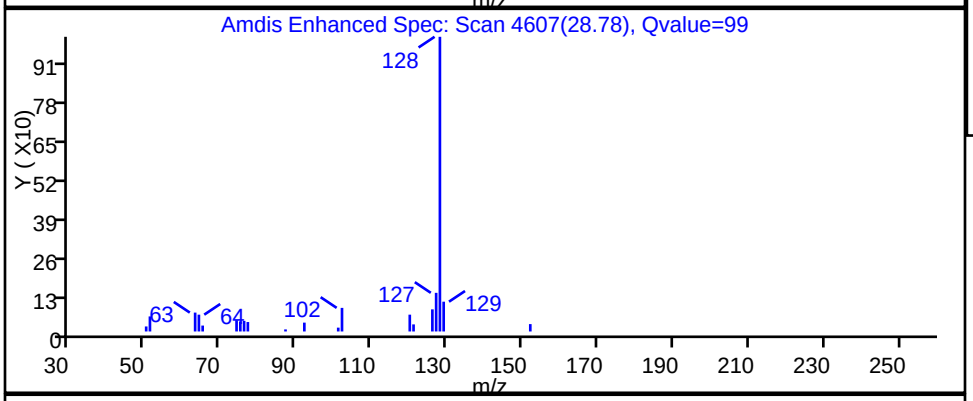
TestAmerica Burlington

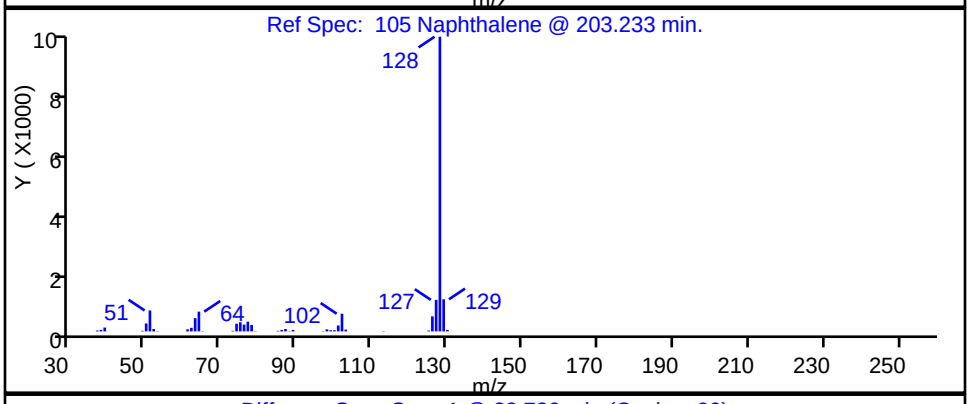
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_020.d				
Injection Date:	11-Sep-2015 00:15:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-19	Lab Sample ID:	200-29580-19		
Client ID:	785VMP0202PA				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

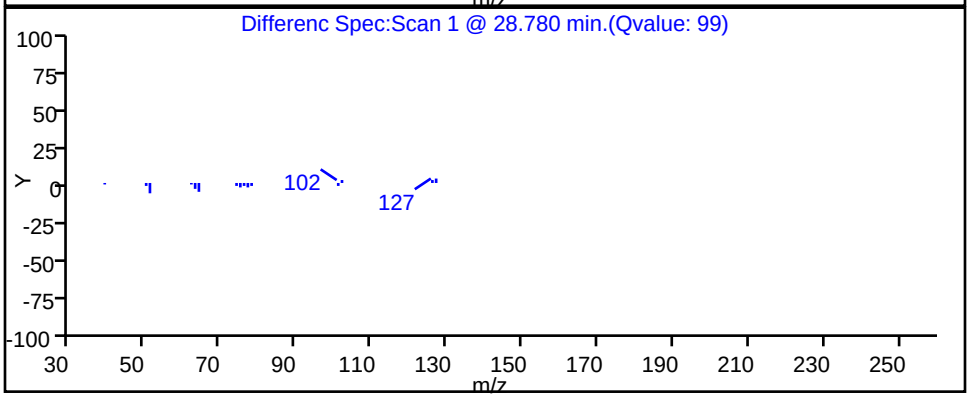
105 Naphthalene, CAS: 91-20-3











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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0501PA Lab Sample ID: 200-29580-20

Matrix: Air Lab File ID: 15679_021.d

Analysis Method: TO-15 Date Collected: 09/01/2015 16:00

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 01:04

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.59	J D	2.5	0.28
75-45-6	Freon 22	86.47	1.0	U	2.5	0.40
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.40	U	1.0	0.26
74-87-3	Chloromethane	50.49	1.0	U	2.5	0.30
106-97-8	n-Butane	58.12	1.0	U	2.5	0.90
75-01-4	Vinyl chloride	62.50	0.15	U	1.0	0.13
106-99-0	1,3-Butadiene	54.09	0.40	U	1.0	0.18
74-83-9	Bromomethane	94.94	0.40	U	1.0	0.22
75-00-3	Chloroethane	64.52	0.40	U	2.5	0.31
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.15	U	1.0	0.10
75-69-4	Trichlorofluoromethane	137.37	0.28	J D M	1.0	0.23
76-13-1	Freon TF	187.38	0.40	U	1.0	0.21
75-35-4	1,1-Dichloroethene	96.94	0.15	U	1.0	0.050
67-64-1	Acetone	58.08	33	D	25	3.5
67-63-0	Isopropyl alcohol	60.10	2.5	U	25	0.75
75-15-0	Carbon disulfide	76.14	2.2	J D	2.5	0.15
107-05-1	3-Chloropropene	76.53	1.0	U	2.5	0.80
75-09-2	Methylene Chloride	84.93	1.0	U	2.5	0.60
75-65-0	tert-Butyl alcohol	74.12	1.0	U	25	0.60
1634-04-4	Methyl tert-butyl ether	88.15	0.15	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.15	U	1.0	0.14
110-54-3	n-Hexane	86.17	0.15	U	1.0	0.14
75-34-3	1,1-Dichloroethane	98.96	0.15	U	1.0	0.14
78-93-3	Methyl Ethyl Ketone	72.11	1.0	U	2.5	0.46
156-59-2	cis-1,2-Dichloroethene	96.94	0.40	U	1.0	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	2.0	0.27
67-66-3	Chloroform	119.38	0.40	U M	1.0	0.19
109-99-9	Tetrahydrofuran	72.11	180	D	25	0.90
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	1.0	0.15
110-82-7	Cyclohexane	84.16	0.15	U	1.0	0.050
56-23-5	Carbon tetrachloride	153.81	0.15	J D	1.0	0.055
540-84-1	2,2,4-Trimethylpentane	114.23	0.15	U	1.0	0.12
71-43-2	Benzene	78.11	2.7	D	1.0	0.15
107-06-2	1,2-Dichloroethane	98.96	0.40	U	1.0	0.26

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0501PA Lab Sample ID: 200-29580-20

Matrix: Air Lab File ID: 15679_021.d

Analysis Method: TO-15 Date Collected: 09/01/2015 16:00

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 01:04

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.40	U	1.0	0.19
79-01-6	Trichloroethene	131.39	27	D	1.0	0.15
80-62-6	Methyl methacrylate	100.12	1.0	U	2.5	0.48
78-87-5	1,2-Dichloropropane	112.99	0.40	U	1.0	0.18
123-91-1	1,4-Dioxane	88.11	1.0	U	25	0.80
75-27-4	Bromodichloromethane	163.83	0.15	U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	110.97	0.15	U	1.0	0.15
108-10-1	methyl isobutyl ketone	100.16	1.0	U	2.5	0.90
108-88-3	Toluene	92.14	0.70	J D	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.15	U	1.0	0.13
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	1.0	0.19
127-18-4	Tetrachloroethene	165.83	0.15	U	1.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	2.5	0.85
124-48-1	Dibromochloromethane	208.29	0.15	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	0.15	U	1.0	0.090
108-90-7	Chlorobenzene	112.56	0.15	U	1.0	0.090
100-41-4	Ethylbenzene	106.17	1.5	D	1.0	0.10
179601-23-1	m,p-Xylene	106.17	4.7	D	2.5	0.13
95-47-6	Xylene, o-	106.17	1.9	D	1.0	0.090
1330-20-7	Xylene (total)	106.17	6.6		3.5	0.21
100-42-5	Styrene	104.15	5.1	D	1.0	0.080
75-25-2	Bromoform	252.75	0.15	U Q	1.0	0.13
98-82-8	Cumene	120.19	0.24	J D	1.0	0.095
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	1.0	0.17
103-65-1	n-Propylbenzene	120.19	0.31	J D	1.0	0.14
622-96-8	4-Ethyltoluene	120.20	0.53	J D	1.0	0.10
108-67-8	1,3,5-Trimethylbenzene	120.20	0.48	J D	1.0	0.095
95-49-8	2-Chlorotoluene	126.59	0.40	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.15	U	1.0	0.10
95-63-6	1,2,4-Trimethylbenzene	120.20	1.9	D	1.0	0.080
135-98-8	sec-Butylbenzene	134.22	0.15	U	1.0	0.11
99-87-6	4-Isopropyltoluene	134.22	0.15	U	1.0	0.10
541-73-1	1,3-Dichlorobenzene	147.00	0.15	U	1.0	0.10
106-46-7	1,4-Dichlorobenzene	147.00	0.15	U	1.0	0.095

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0501PA Lab Sample ID: 200-29580-20

Matrix: Air Lab File ID: 15679_021.d

Analysis Method: TO-15 Date Collected: 09/01/2015 16:00

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 01:04

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.15	U	1.0	0.090
104-51-8	n-Butylbenzene	134.22	0.15	U	1.0	0.14
95-50-1	1,2-Dichlorobenzene	147.00	0.15	U	1.0	0.090
120-82-1	1,2,4-Trichlorobenzene	181.45	0.40	U	2.5	0.17
87-68-3	Hexachlorobutadiene	260.76	0.40	U	1.0	0.18
91-20-3	Naphthalene	128.17	0.40	U M	2.5	0.15

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0501PA Lab Sample ID: 200-29580-20

Matrix: Air Lab File ID: 15679_021.d

Analysis Method: TO-15 Date Collected: 09/01/2015 16:00

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 01:04

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.9	J D	12	1.4
75-45-6	Freon 22	86.47	3.5	U	8.8	1.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.8	U	7.0	1.8
74-87-3	Chloromethane	50.49	2.1	U	5.2	0.62
106-97-8	n-Butane	58.12	2.4	U	5.9	2.1
75-01-4	Vinyl chloride	62.50	0.38	U	2.6	0.33
106-99-0	1,3-Butadiene	54.09	0.88	U	2.2	0.40
74-83-9	Bromomethane	94.94	1.6	U	3.9	0.85
75-00-3	Chloroethane	64.52	1.1	U	6.6	0.80
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.66	U	4.4	0.44
75-69-4	Trichlorofluoromethane	137.37	1.5	J D M	5.6	1.3
76-13-1	Freon TF	187.38	3.1	U	7.7	1.6
75-35-4	1,1-Dichloroethene	96.94	0.59	U	4.0	0.20
67-64-1	Acetone	58.08	77	D	59	8.2
67-63-0	Isopropyl alcohol	60.10	6.1	U	61	1.8
75-15-0	Carbon disulfide	76.14	6.8	J D	7.8	0.47
107-05-1	3-Chloropropene	76.53	3.1	U	7.8	2.5
75-09-2	Methylene Chloride	84.93	3.5	U	8.7	2.1
75-65-0	tert-Butyl alcohol	74.12	3.0	U	76	1.8
1634-04-4	Methyl tert-butyl ether	88.15	0.54	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	0.59	U	4.0	0.54
110-54-3	n-Hexane	86.17	0.53	U	3.5	0.49
75-34-3	1,1-Dichloroethane	98.96	0.61	U	4.0	0.57
78-93-3	Methyl Ethyl Ketone	72.11	2.9	U	7.4	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	4.0	0.59
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	7.9	1.1
67-66-3	Chloroform	119.38	2.0	U M	4.9	0.93
109-99-9	Tetrahydrofuran	72.11	540	D	74	2.7
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	5.5	0.82
110-82-7	Cyclohexane	84.16	0.52	U	3.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.92	J D	6.3	0.35
540-84-1	2,2,4-Trimethylpentane	114.23	0.70	U	4.7	0.54
71-43-2	Benzene	78.11	8.6	D	3.2	0.46
107-06-2	1,2-Dichloroethane	98.96	1.6	U	4.0	1.1

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0501PA Lab Sample ID: 200-29580-20

Matrix: Air Lab File ID: 15679_021.d

Analysis Method: TO-15 Date Collected: 09/01/2015 16:00

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 01:04

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.6	U	4.1	0.76
79-01-6	Trichloroethene	131.39	150	D	5.4	0.81
80-62-6	Methyl methacrylate	100.12	4.1	U	10	2.0
78-87-5	1,2-Dichloropropane	112.99	1.8	U	4.6	0.81
123-91-1	1,4-Dioxane	88.11	3.6	U	90	2.9
75-27-4	Bromodichloromethane	163.83	1.0	U	6.7	0.97
10061-01-5	cis-1,3-Dichloropropene	110.97	0.68	U	4.5	0.66
108-10-1	methyl isobutyl ketone	100.16	4.1	U	10	3.7
108-88-3	Toluene	92.14	2.6	J D	3.8	0.47
10061-02-6	trans-1,3-Dichloropropene	110.97	0.68	U	4.5	0.59
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	5.5	1.0
127-18-4	Tetrachloroethene	165.83	1.0	U	6.8	1.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	10	3.5
124-48-1	Dibromochloromethane	208.29	1.3	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	1.2	U	7.7	0.69
108-90-7	Chlorobenzene	112.56	0.69	U	4.6	0.41
100-41-4	Ethylbenzene	106.17	6.7	D	4.3	0.43
179601-23-1	m,p-Xylene	106.17	21	D	11	0.54
95-47-6	Xylene, o-	106.17	8.1	D	4.3	0.39
1330-20-7	Xylene (total)	106.17	29		15	0.89
100-42-5	Styrene	104.15	22	D	4.3	0.34
75-25-2	Bromoform	252.75	1.6	U Q	10	1.3
98-82-8	Cumene	120.19	1.2	J D	4.9	0.47
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	6.9	1.2
103-65-1	n-Propylbenzene	120.19	1.5	J D	4.9	0.66
622-96-8	4-Ethyltoluene	120.20	2.6	J D	4.9	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	2.4	J D	4.9	0.47
95-49-8	2-Chlorotoluene	126.59	2.1	U	5.2	0.80
98-06-6	tert-Butylbenzene	134.22	0.82	U	5.5	0.55
95-63-6	1,2,4-Trimethylbenzene	120.20	9.3	D	4.9	0.39
135-98-8	sec-Butylbenzene	134.22	0.82	U	5.5	0.58
99-87-6	4-Isopropyltoluene	134.22	0.82	U	5.5	0.55
541-73-1	1,3-Dichlorobenzene	147.00	0.90	U	6.0	0.60
106-46-7	1,4-Dichlorobenzene	147.00	0.90	U	6.0	0.57

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0501PA Lab Sample ID: 200-29580-20

Matrix: Air Lab File ID: 15679_021.d

Analysis Method: TO-15 Date Collected: 09/01/2015 16:00

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 01:04

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.78	U	5.2	0.47
104-51-8	n-Butylbenzene	134.22	0.82	U	5.5	0.77
95-50-1	1,2-Dichlorobenzene	147.00	0.90	U	6.0	0.54
120-82-1	1,2,4-Trichlorobenzene	181.45	3.0	U	19	1.3
87-68-3	Hexachlorobutadiene	260.76	4.3	U	11	1.9
91-20-3	Naphthalene	128.17	2.1	U M	13	0.79

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d
Lims ID: 200-29580-A-20 Lab Sample ID: 200-29580-20
Client ID: 785VMP0501PA
Sample Type: Client
Inject. Date: 11-Sep-2015 01:04:30 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0015679-021
Misc. Info.: 29580-20
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:42:10 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:42:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.426	4.415	0.011	99	9018	0.1182	
3 Chlorodifluoromethane	51	4.506	4.485	0.021	95	2329	0.0678	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	5.019	4.998	0.021	35	614	0.0310	
6 Butane	43		5.282				ND	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.288	7.304	0.000	34	4629	0.0551	M
20 1,1,2-Trichloro-1,2,2-trif	101		8.593				ND	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.946	8.946	0.000	96	199827	6.50	
23 Carbon disulfide	76	9.171	9.166	0.005	98	32273	0.4383	
24 Isopropyl alcohol	45		9.224				ND	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49		9.931				ND	
28 2-Methyl-2-propanol	59		10.123				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57		10.856				ND	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96		12.621				ND	
38 2-Butanone (MEK)	72		12.654				ND	
* 40 Chlorobromomethane	128	13.113	13.114	-0.001	71	236797	10.0	
41 Tetrahydrofuran	42	13.108	13.114	-0.006	85	786471	36.5	
42 Chloroform	83	13.220	13.236	-0.001	70	1919	0.0307	M
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.793	13.788	0.005	26	1921	0.0291	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.253	14.259	-0.005	94	49801	0.5374	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1077153	10.0	
53 Trichloroethene	95	15.478	15.484	-0.006	94	237340	5.45	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88	16.211	16.200	0.011	77	1503	0.0963	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43		17.629				ND	
65 Toluene	92	17.955	17.960	-0.005	95	10084	0.1406	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43		19.266				ND	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		1.32	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	994523	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.903	20.903	0.000	97	48126	0.3087	
78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	100	61152	0.9471	
79 o-Xylene	106	21.801	21.807	-0.006	96	24842	0.3730	
80 Styrene	104	21.839	21.839	0.000	93	103382	1.01	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.347	22.353	-0.006	93	8952	0.0472	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.978	22.979	-0.001	100	13557	0.0620	
88 4-Ethyltoluene	105	23.144	23.144	0.000	98	20764	0.1067	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	94	15919	0.0960	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	97	63074	0.3769	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119		24.268				ND	
96 1,3-Dichlorobenzene	146		24.337				ND	
97 1,4-Dichlorobenzene	146		24.487				ND	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.777	28.777	0.005	94	5750	0.0283	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

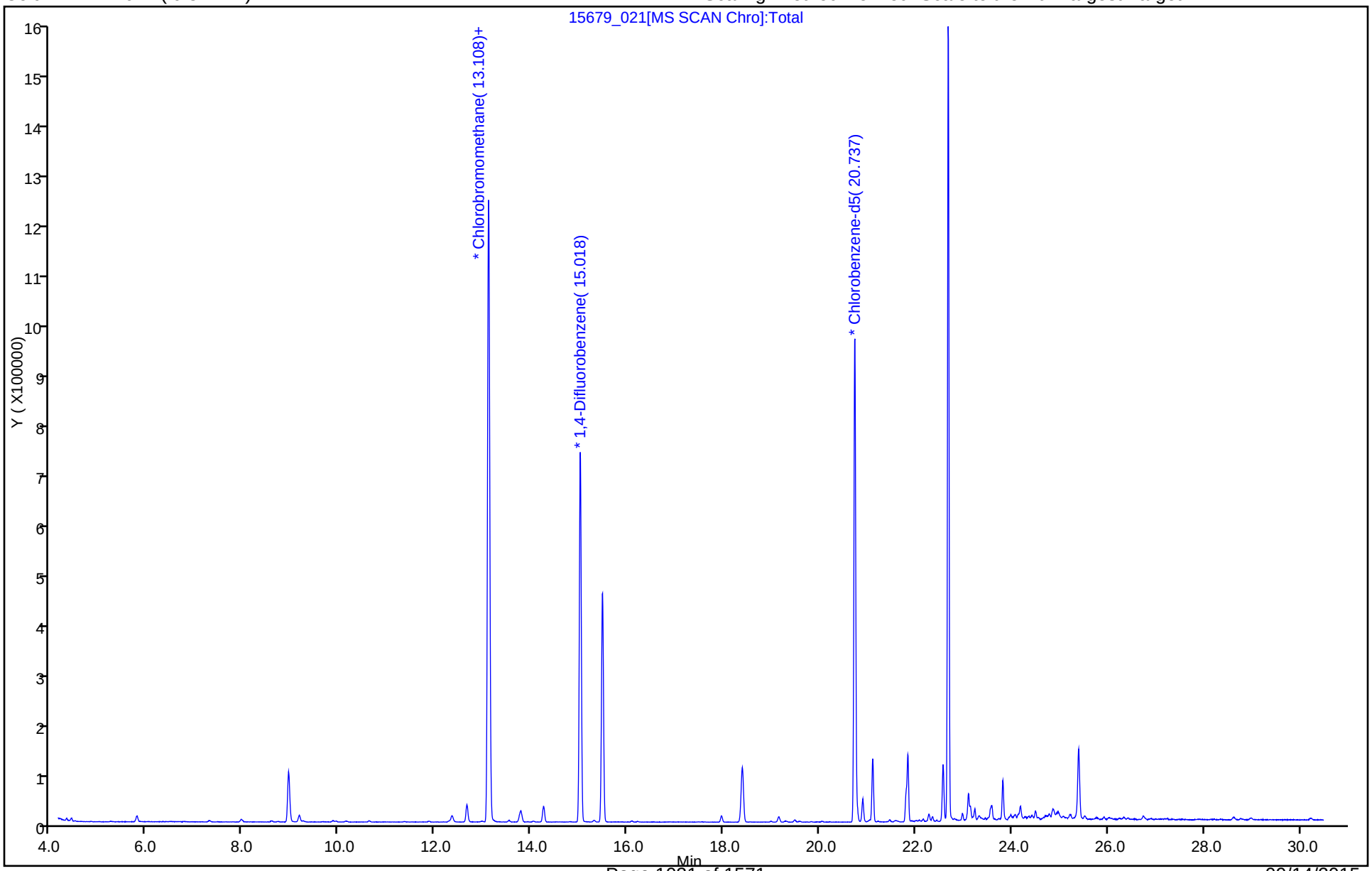
Report Date: 11-Sep-2015 11:42:11 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d

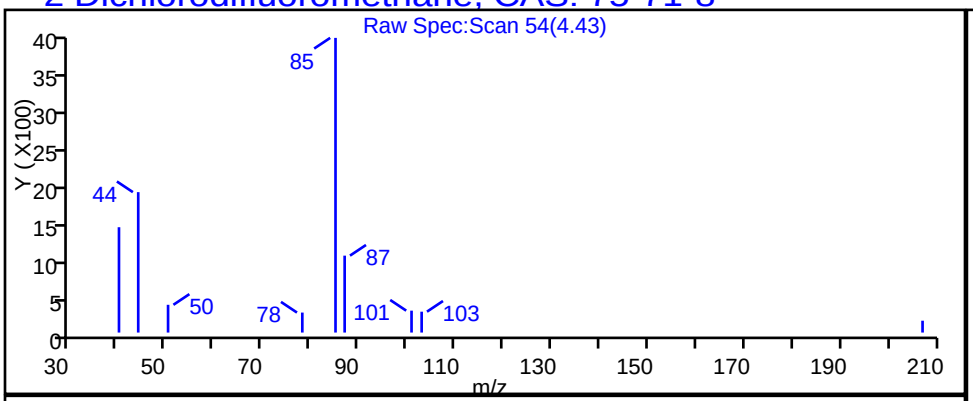
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20	Worklist Smp#:	21
Client ID:	785VMP0501PA				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	4
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

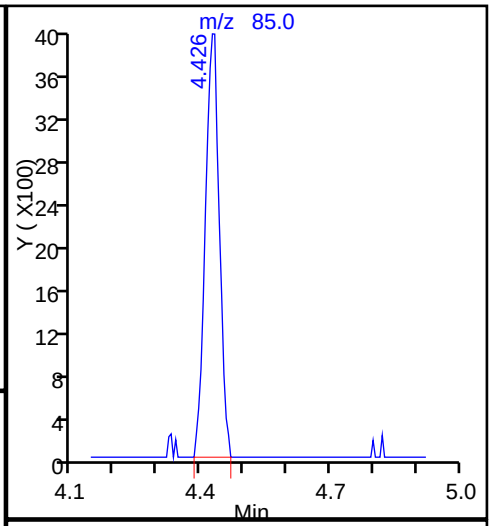
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

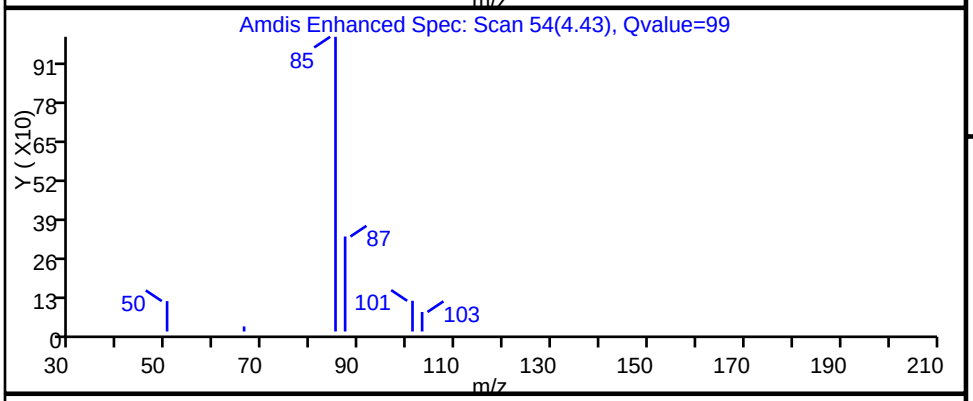


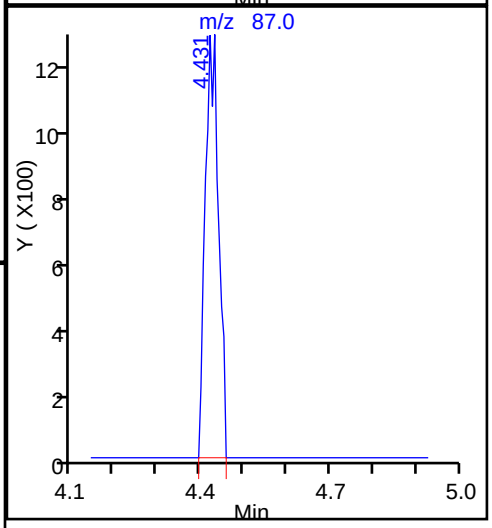
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d
Injection Date: 11-Sep-2015 01:04:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-20 Lab Sample ID: 200-29580-20
Client ID: 785VMP0501PA
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

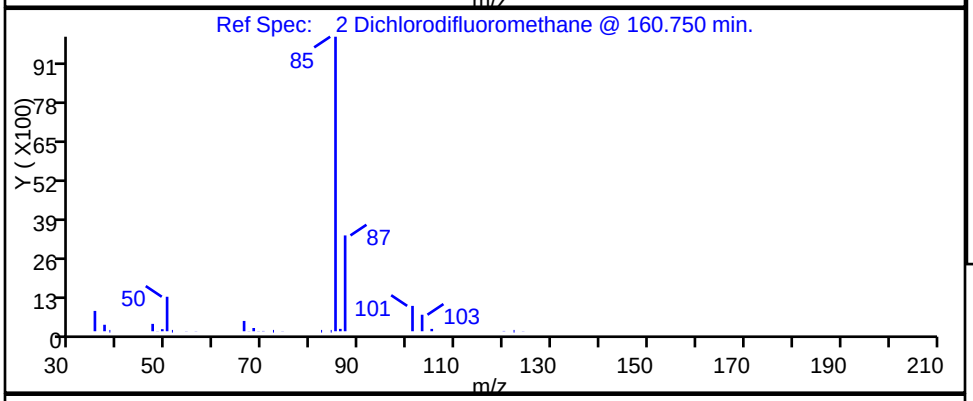
2 Dichlorodifluoromethane, CAS: 75-71-8

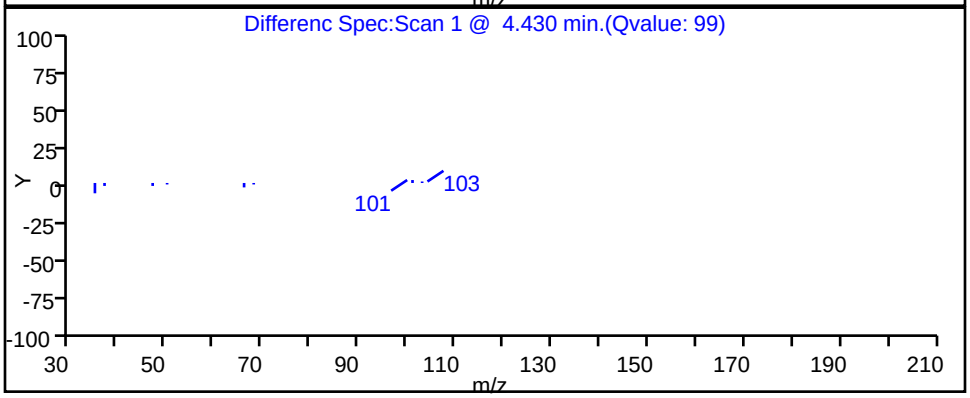






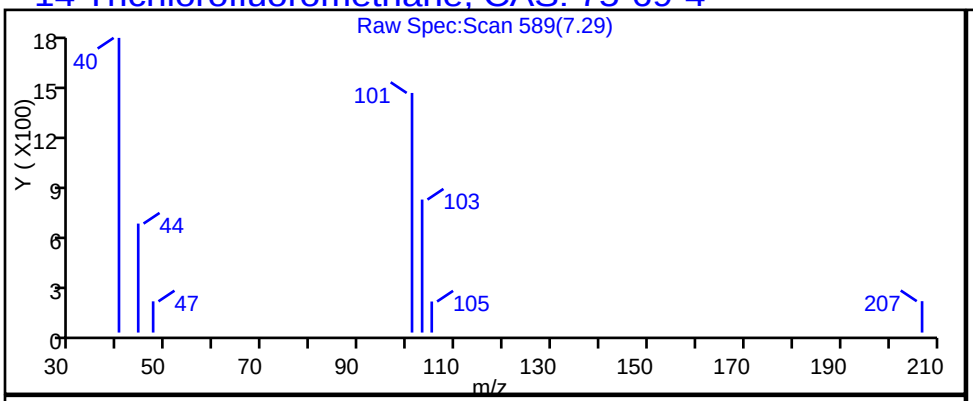


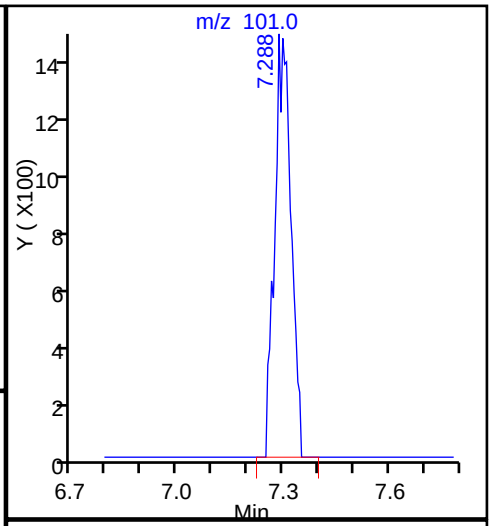


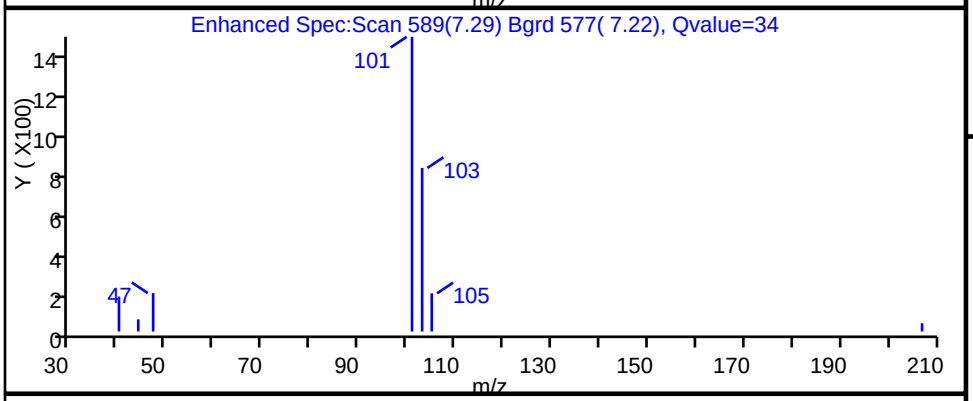


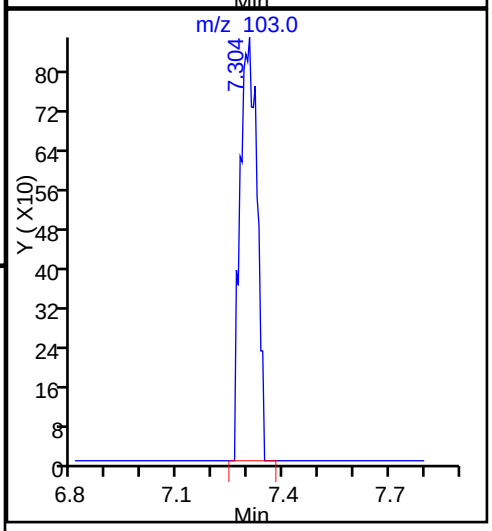
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d
Injection Date: 11-Sep-2015 01:04:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-20 Lab Sample ID: 200-29580-20
Client ID: 785VMP0501PA
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

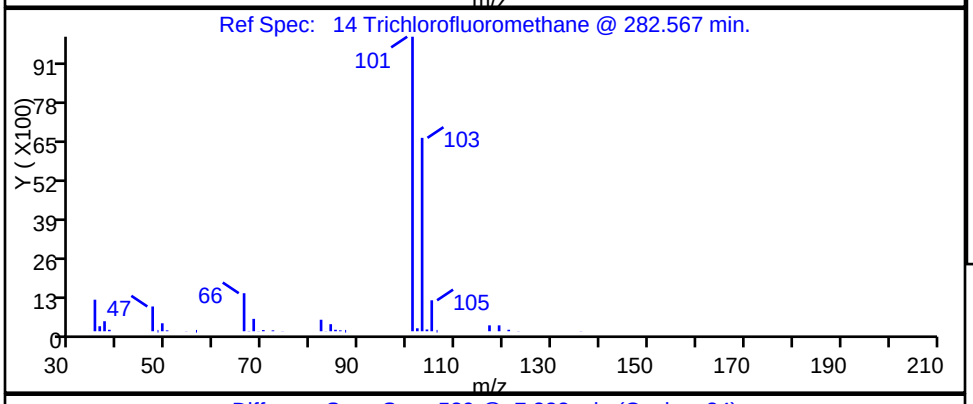
14 Trichlorofluoromethane, CAS: 75-69-4

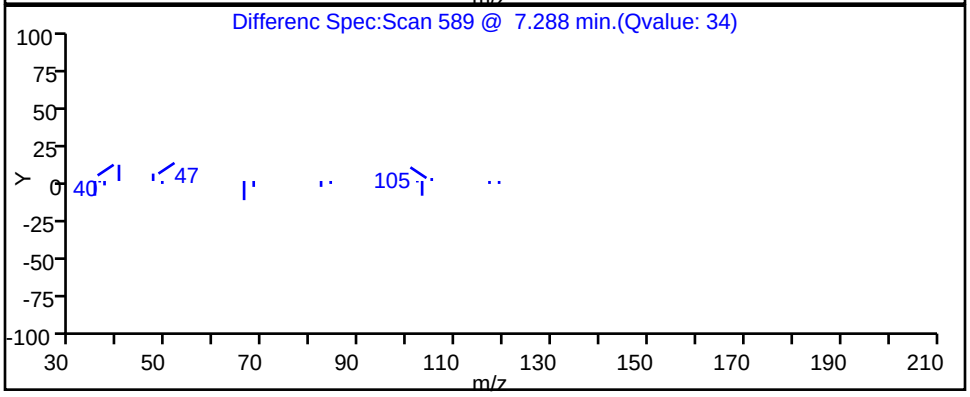






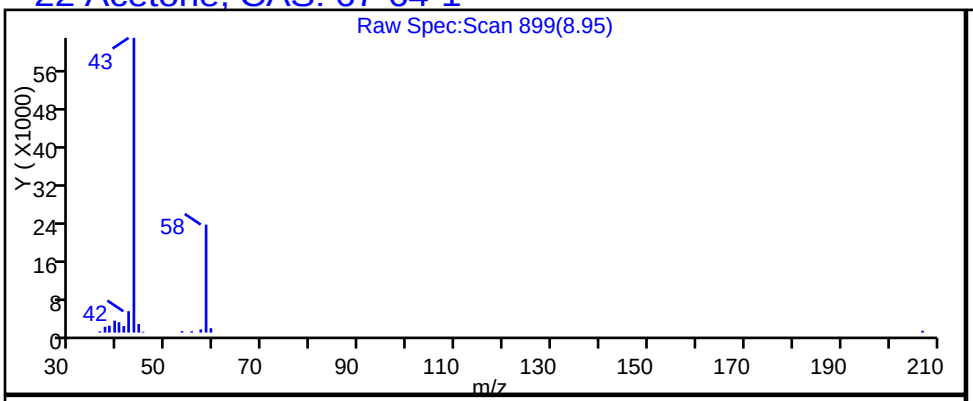


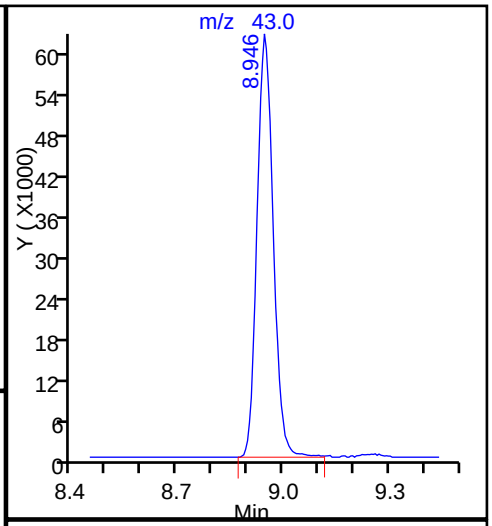


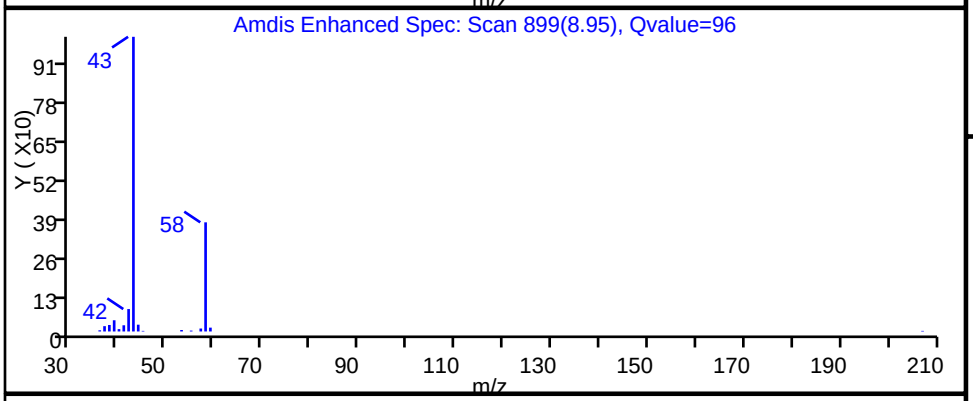


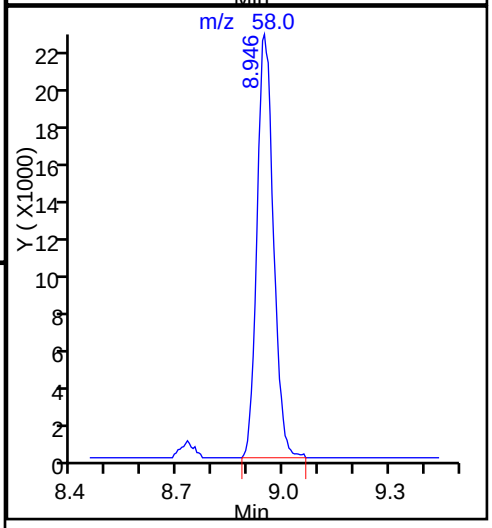
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d
Injection Date: 11-Sep-2015 01:04:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-20 Lab Sample ID: 200-29580-20
Client ID: 785VMP0501PA
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

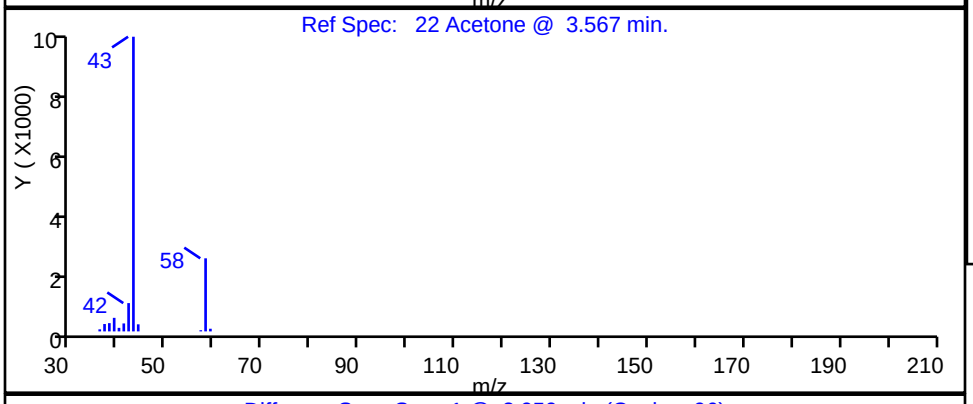
22 Acetone, CAS: 67-64-1

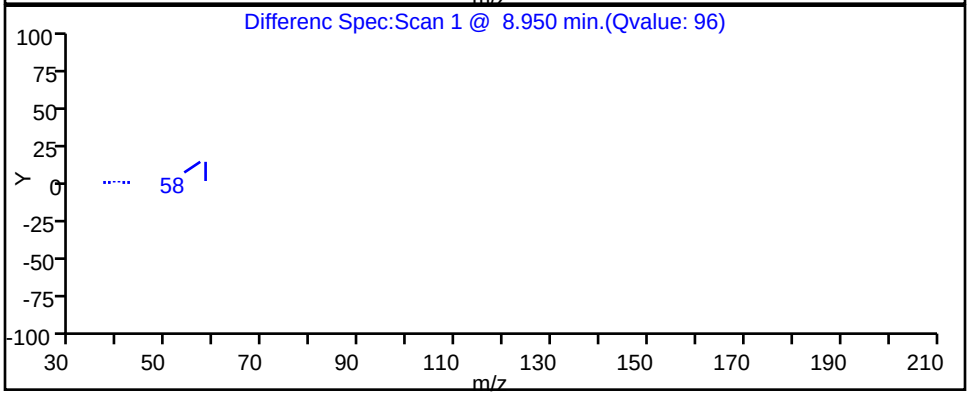






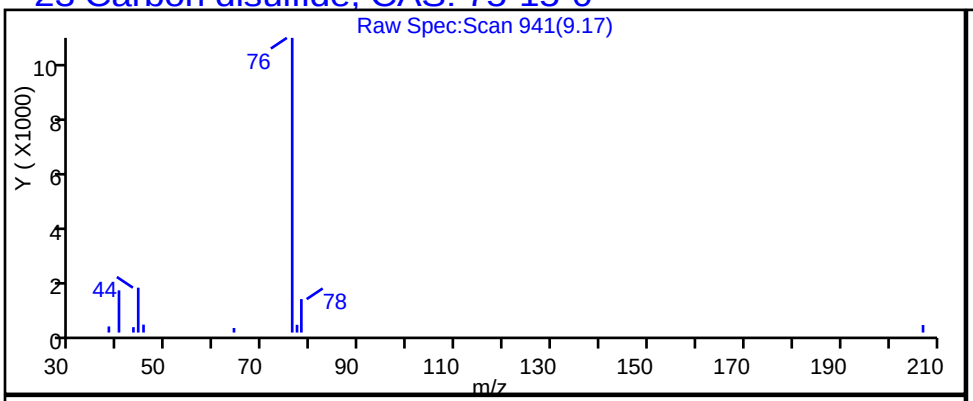


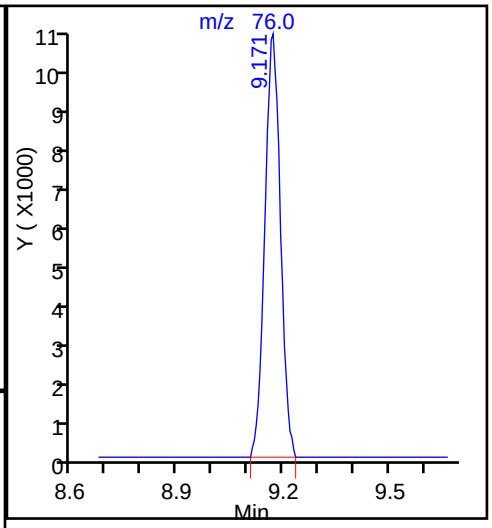


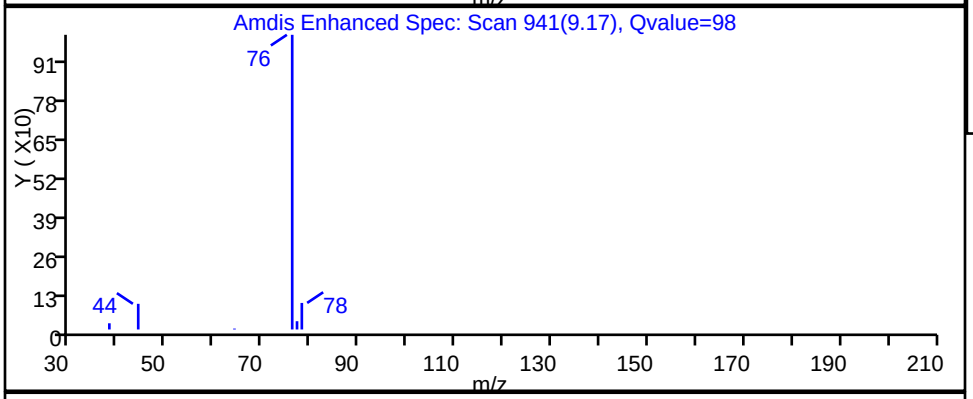


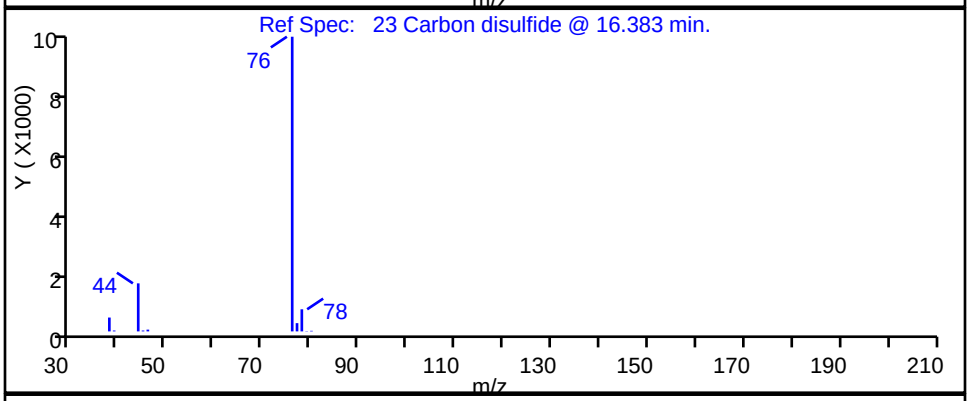
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

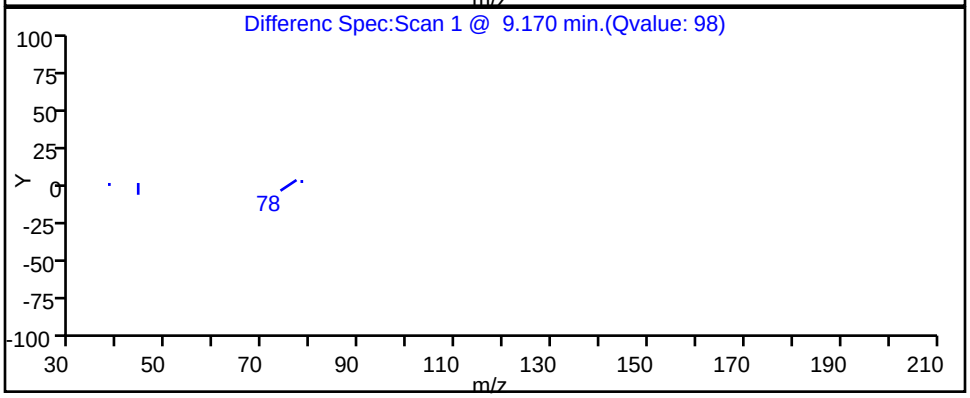
23 Carbon disulfide, CAS: 75-15-0







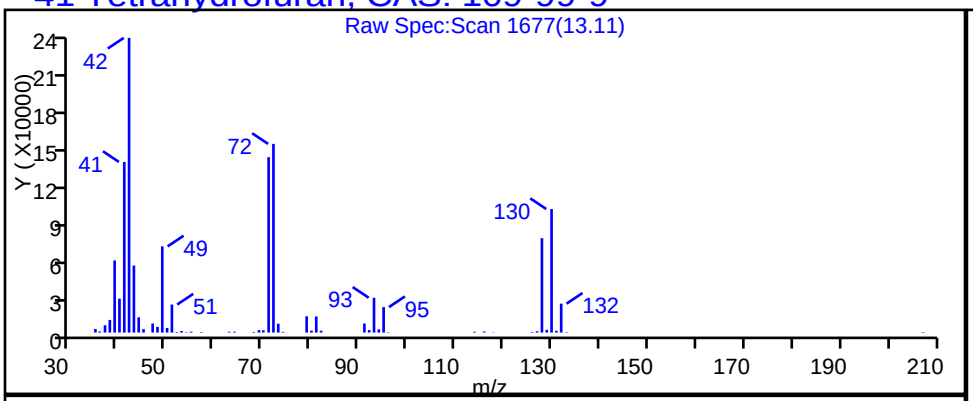


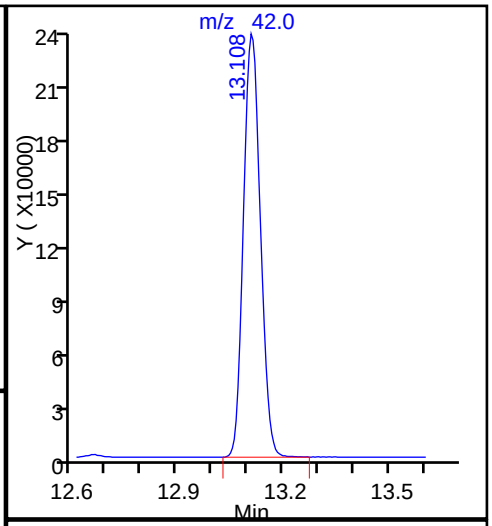


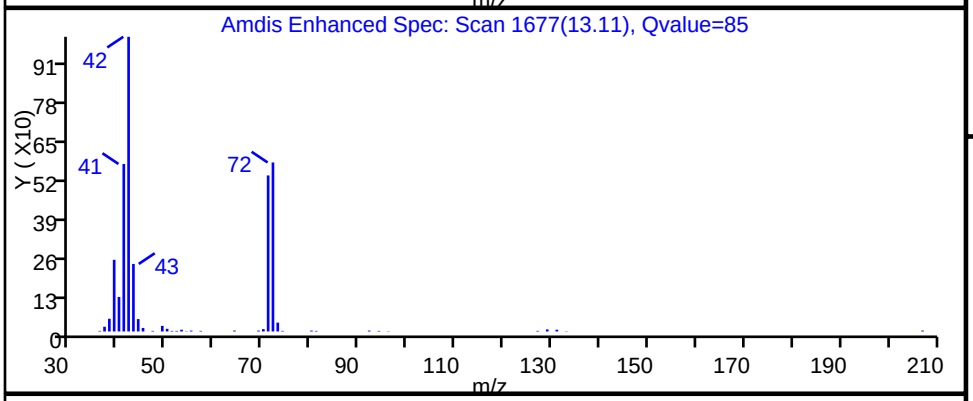
TestAmerica Burlington

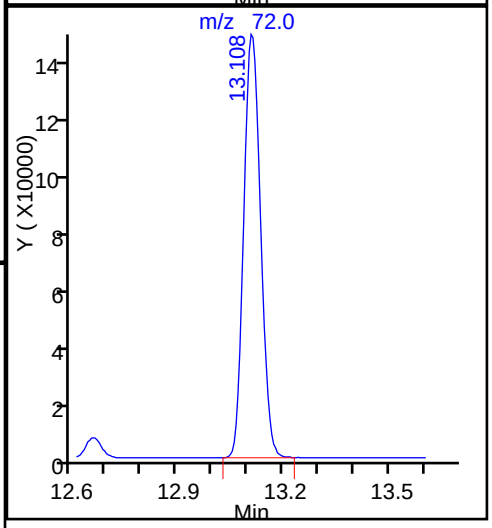
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

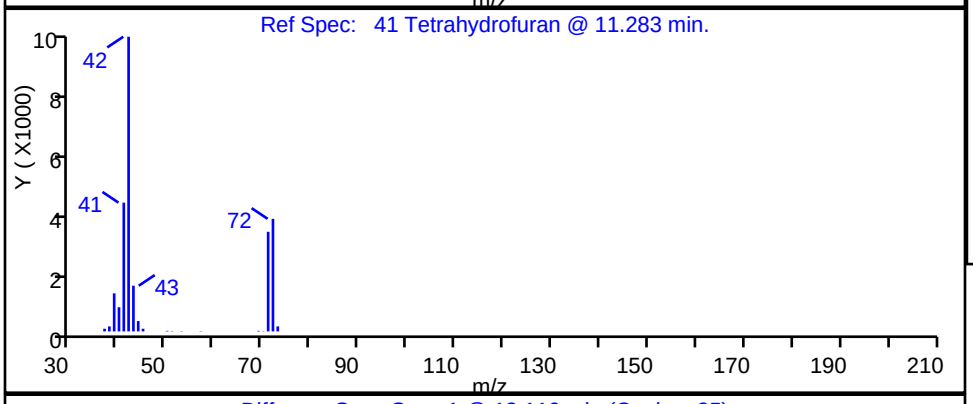
41 Tetrahydrofuran, CAS: 109-99-9

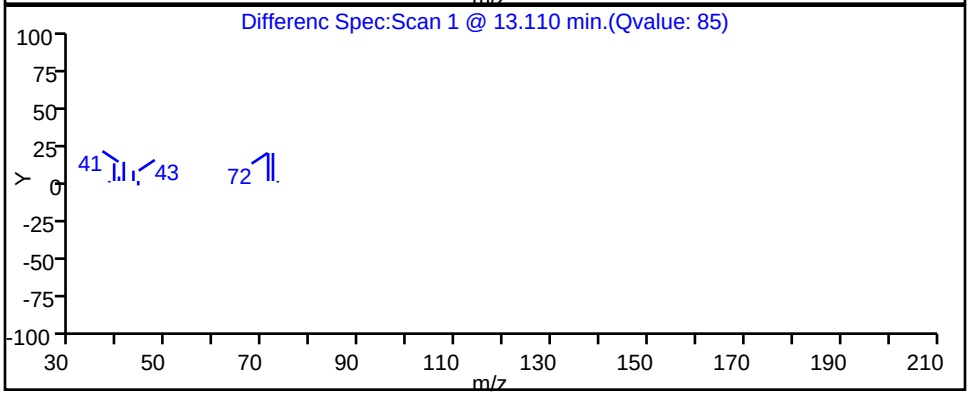






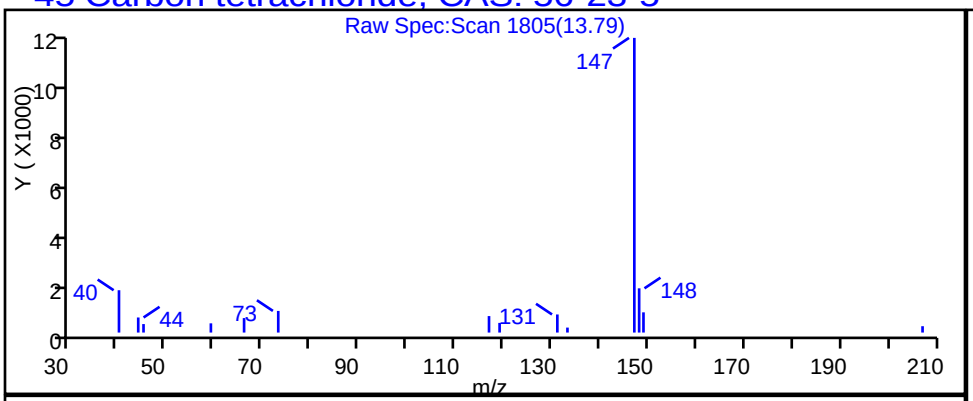


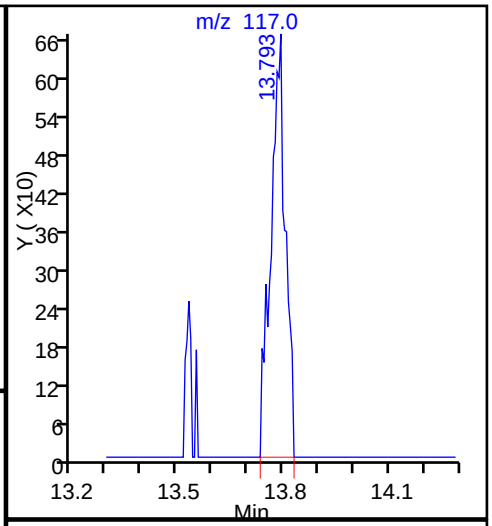


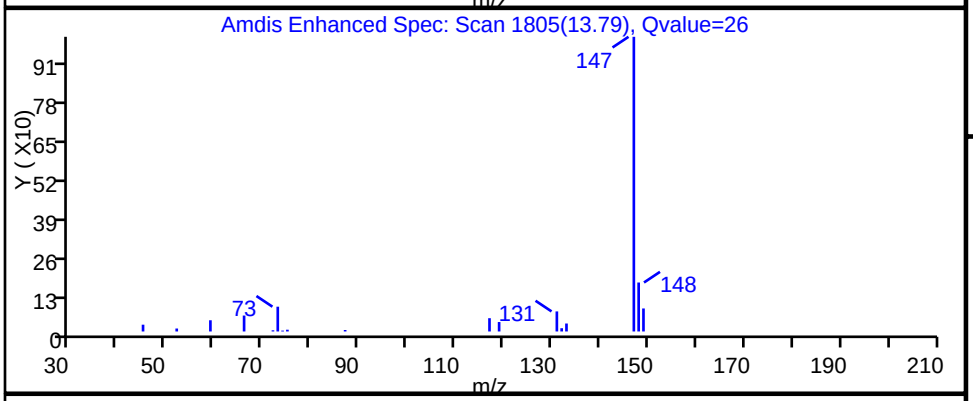


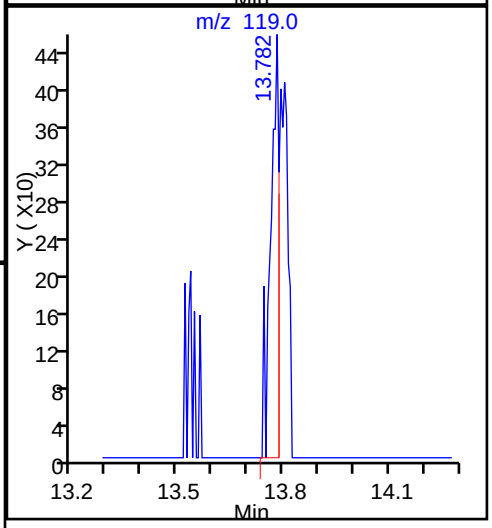
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

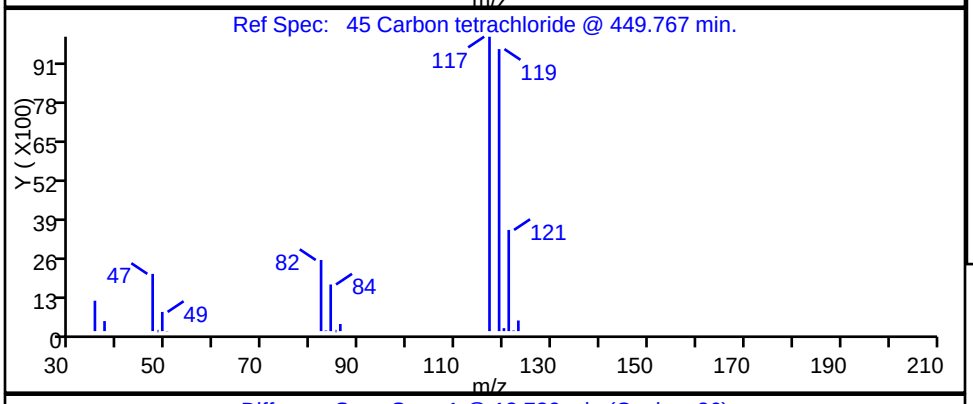
45 Carbon tetrachloride, CAS: 56-23-5

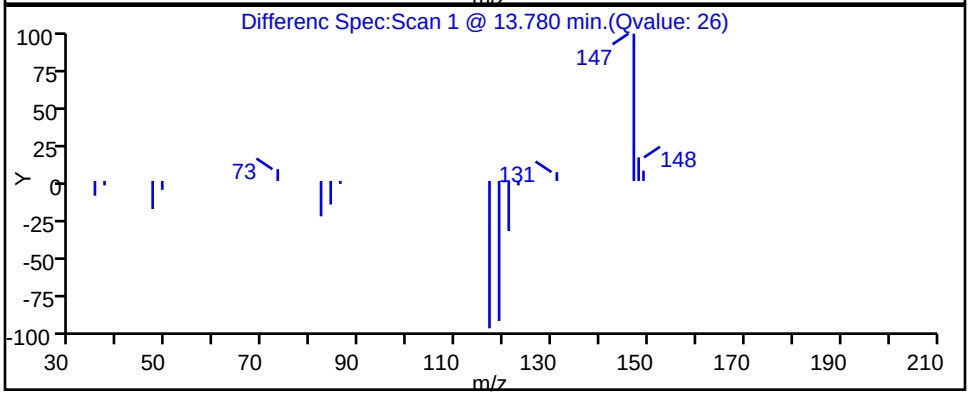






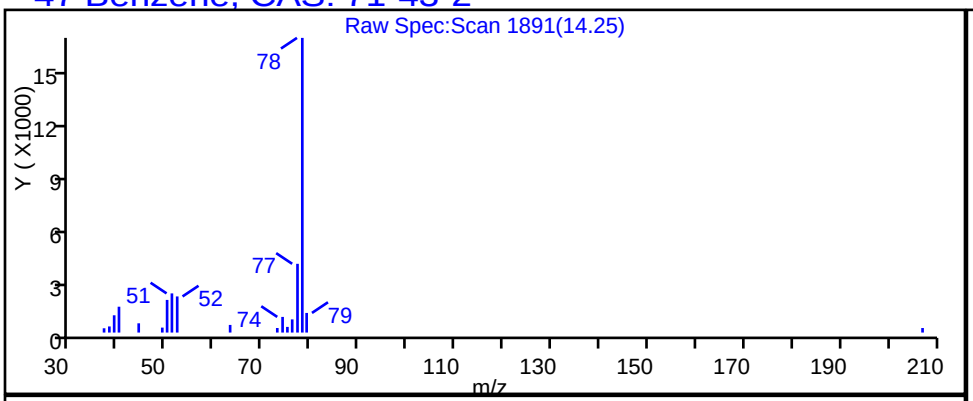


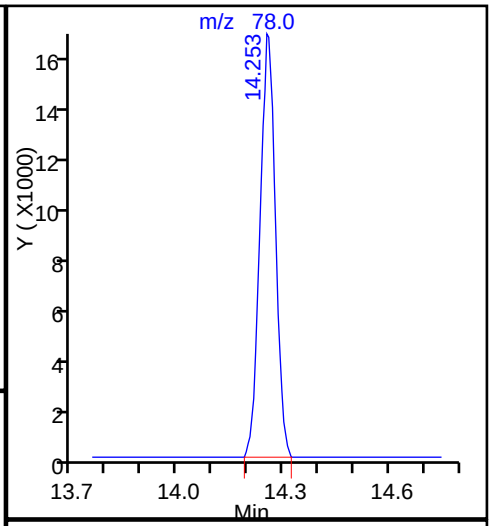


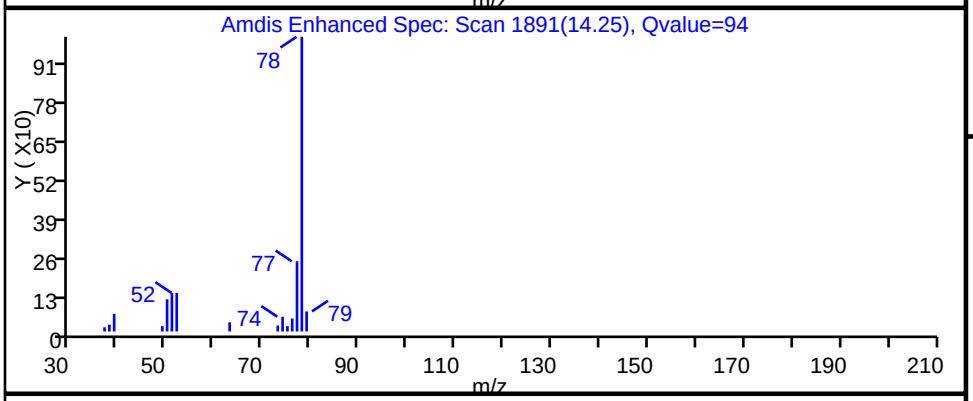


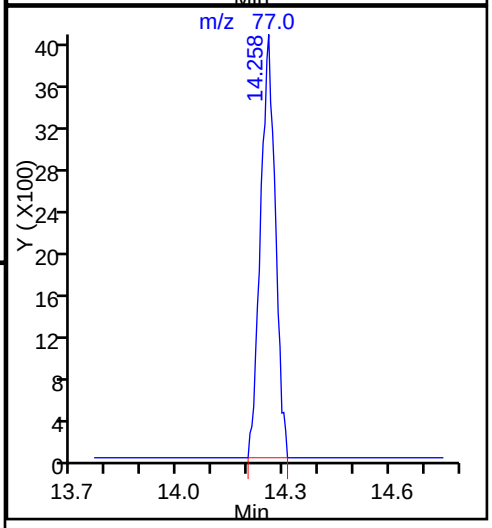
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

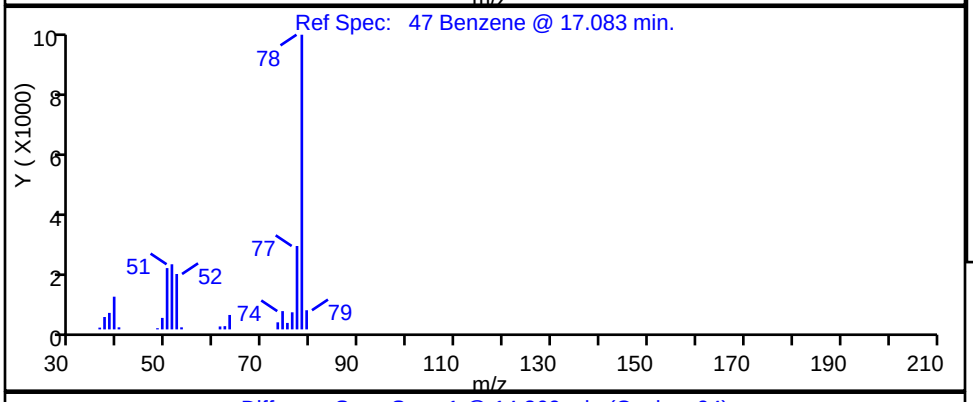
47 Benzene, CAS: 71-43-2

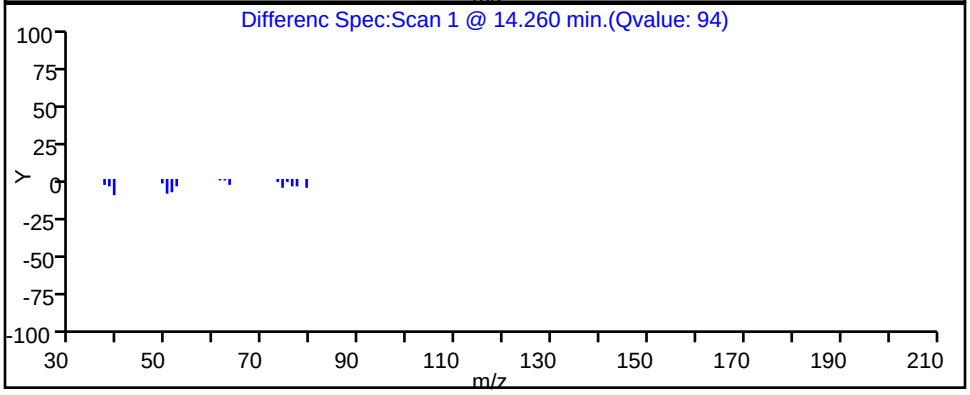






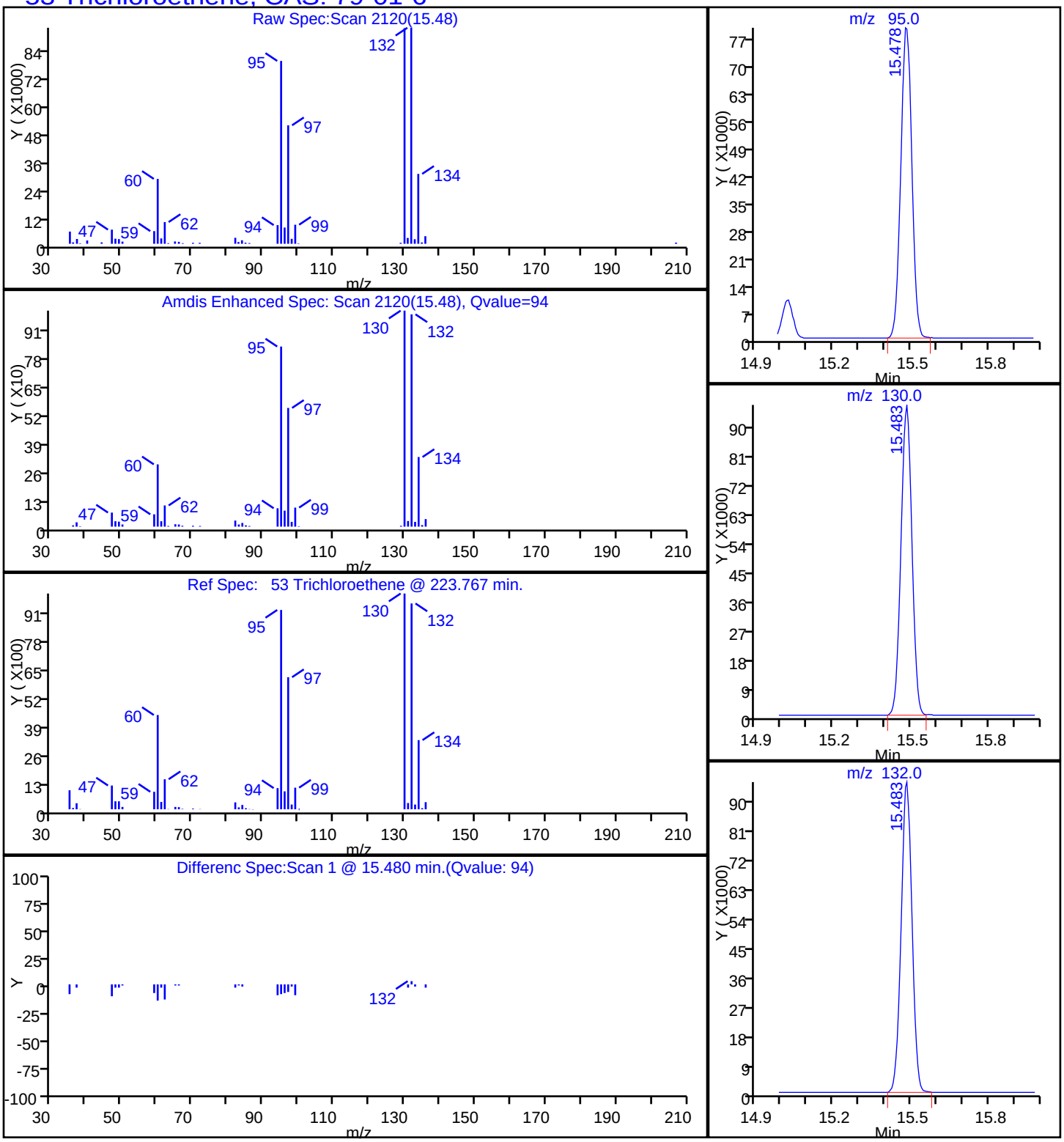






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d
Injection Date: 11-Sep-2015 01:04:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-20 Lab Sample ID: 200-29580-20
Client ID: 785VMP0501PA
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

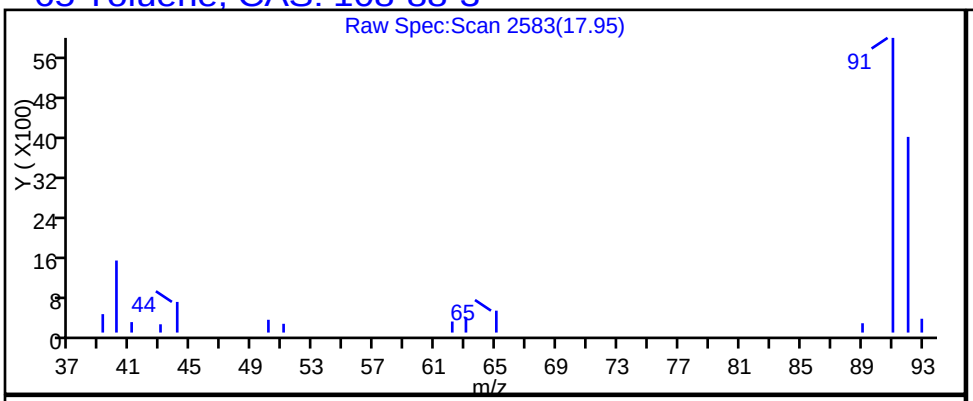
53 Trichloroethene, CAS: 79-01-6

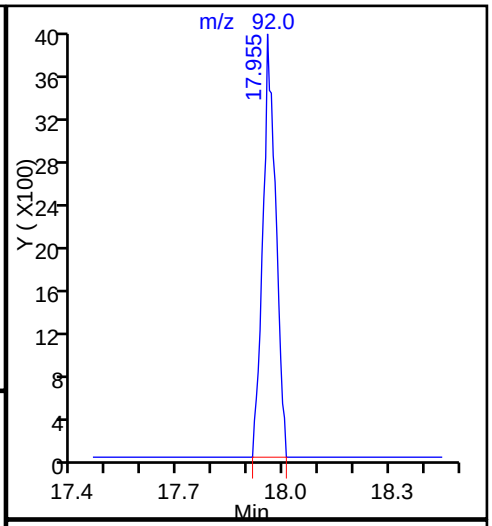


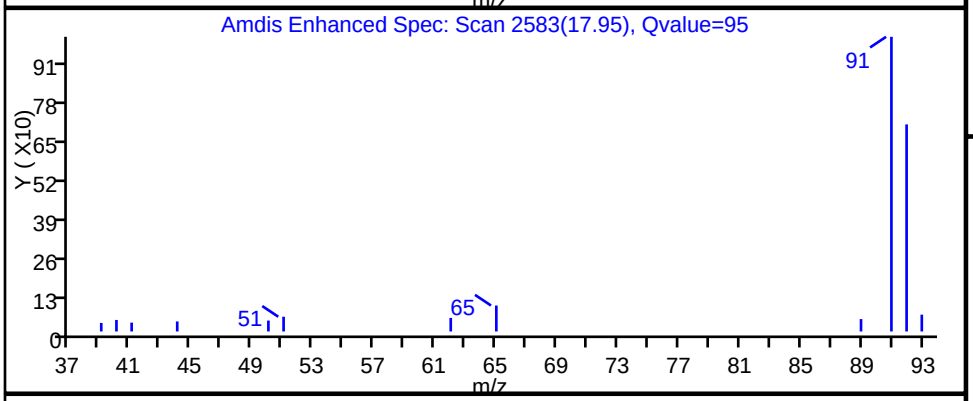
TestAmerica Burlington

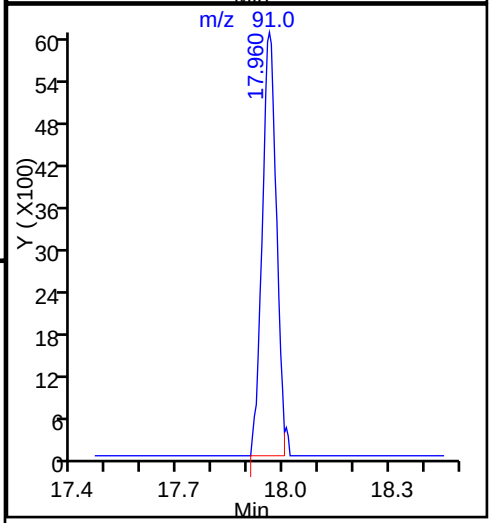
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

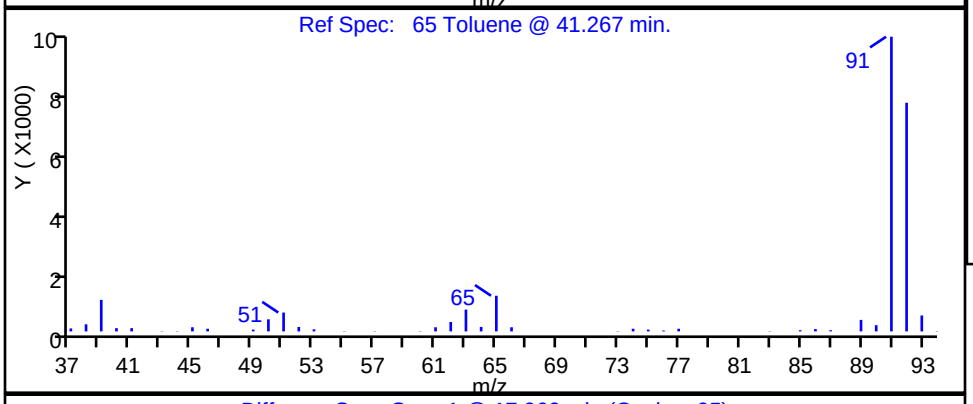
65 Toluene, CAS: 108-88-3

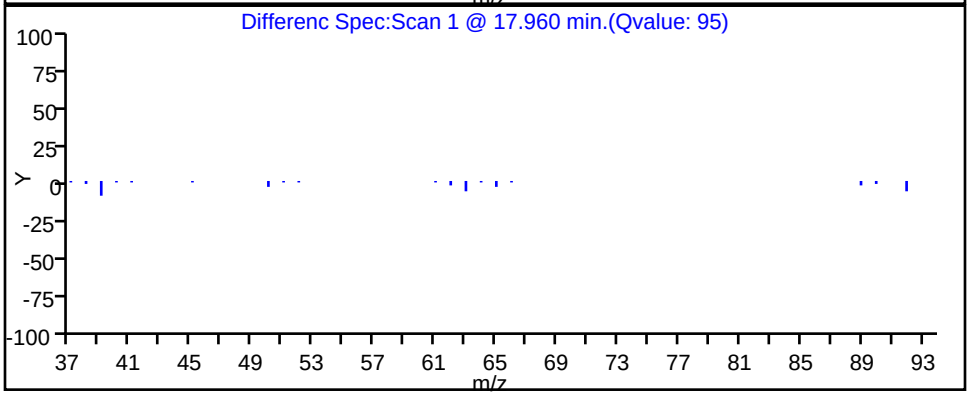






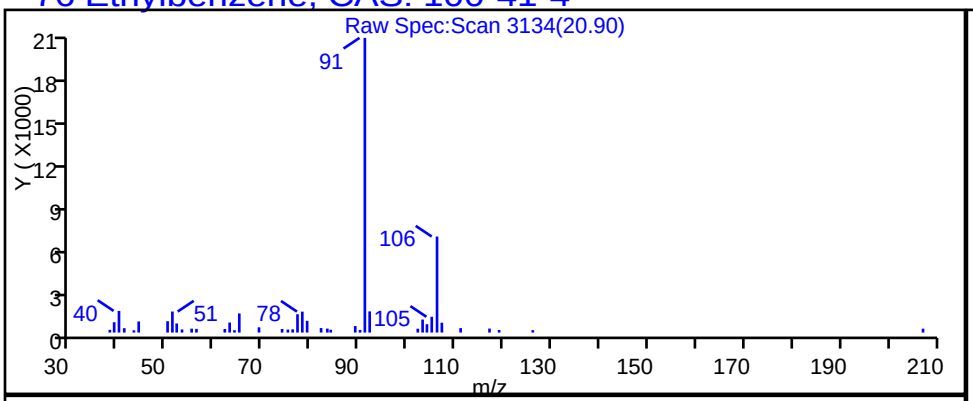


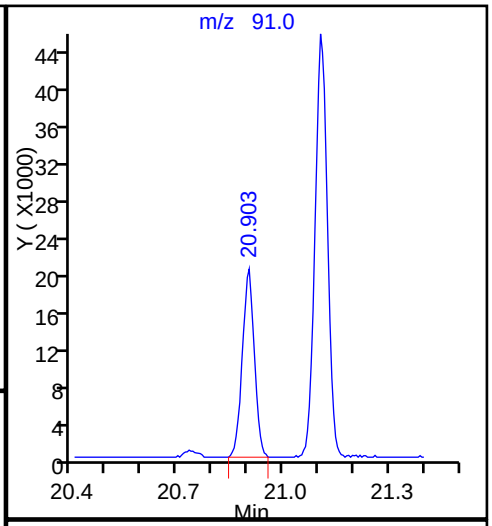


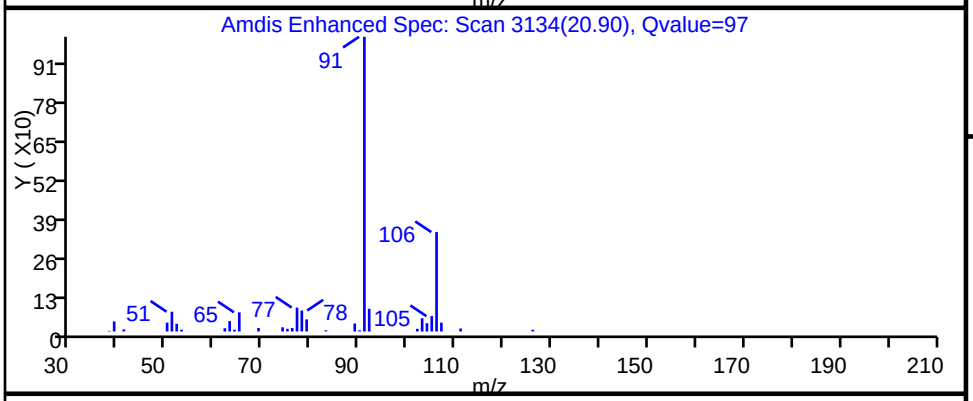


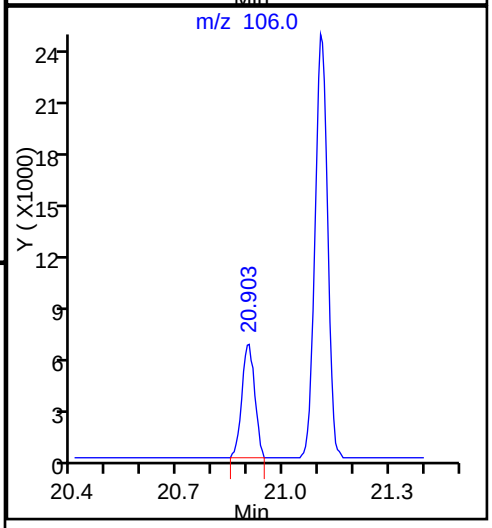
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d
Injection Date: 11-Sep-2015 01:04:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-20 Lab Sample ID: 200-29580-20
Client ID: 785VMP0501PA
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

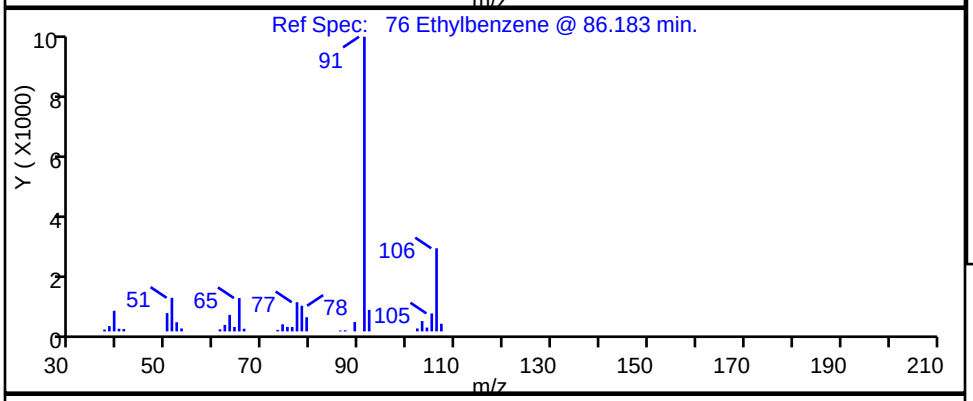
76 Ethylbenzene, CAS: 100-41-4

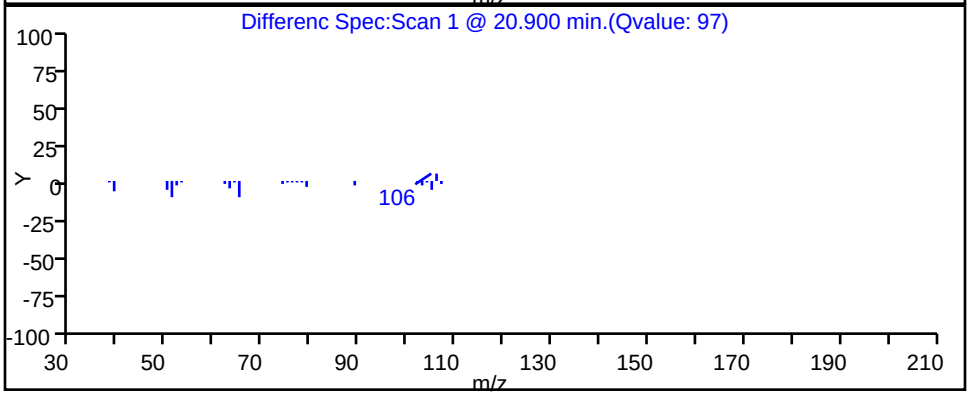






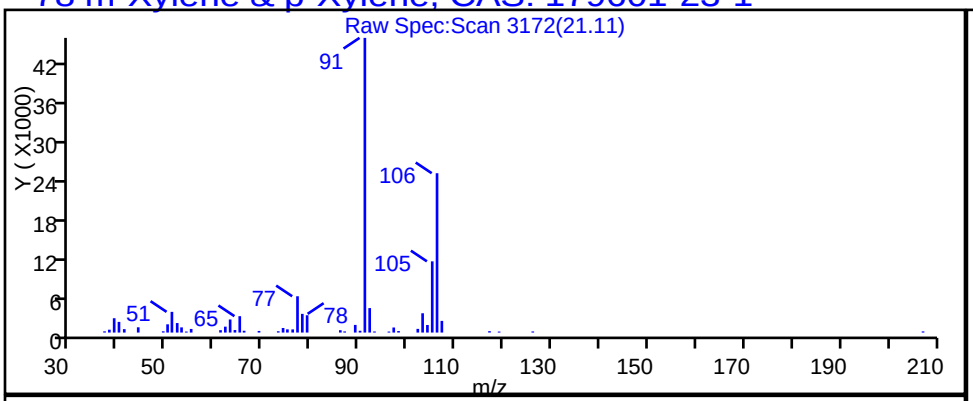


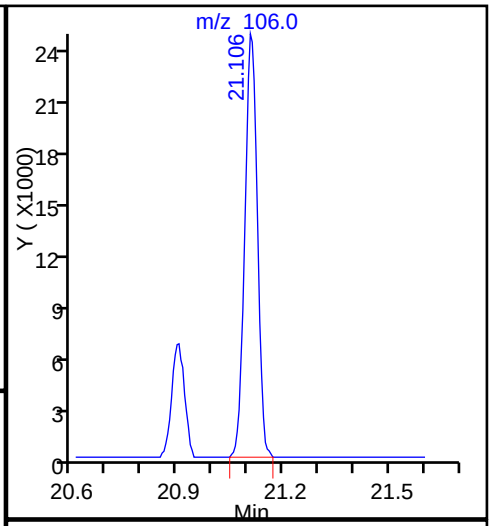


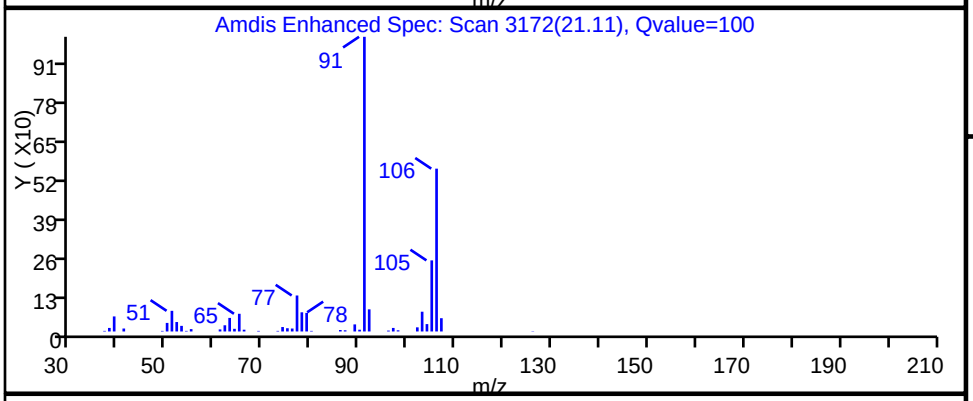


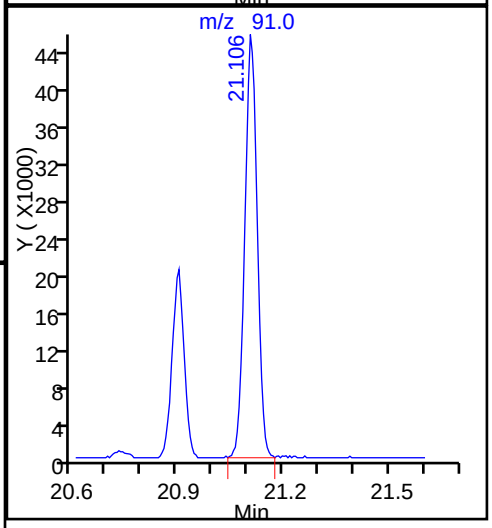
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

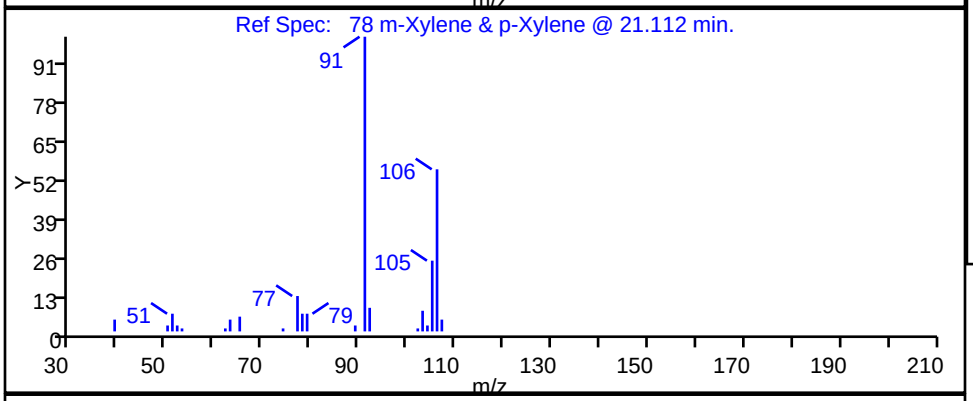
78 m-Xylene & p-Xylene, CAS: 179601-23-1

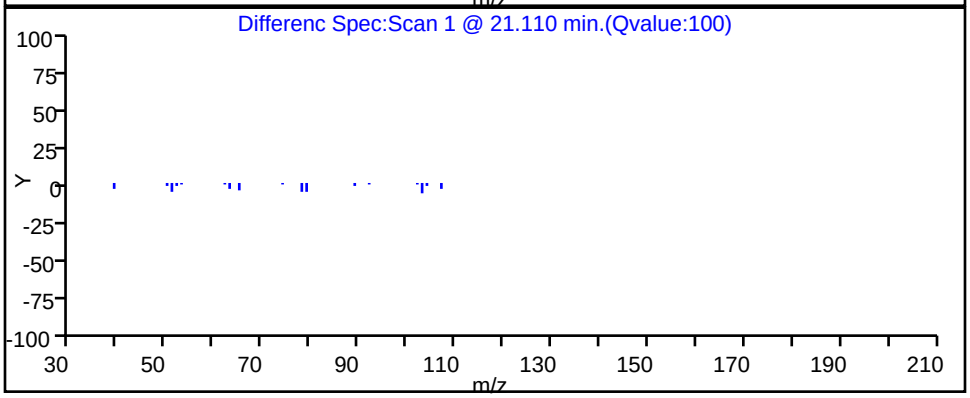








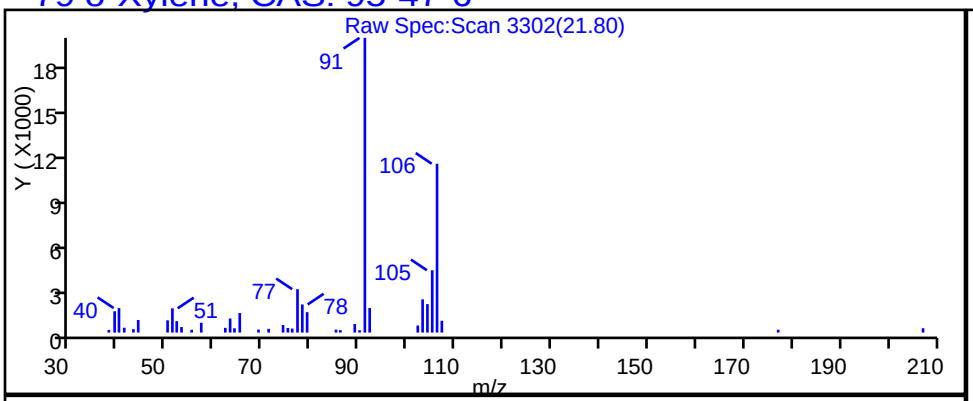


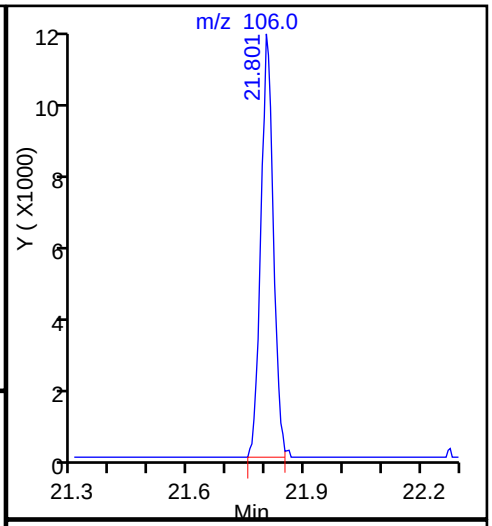


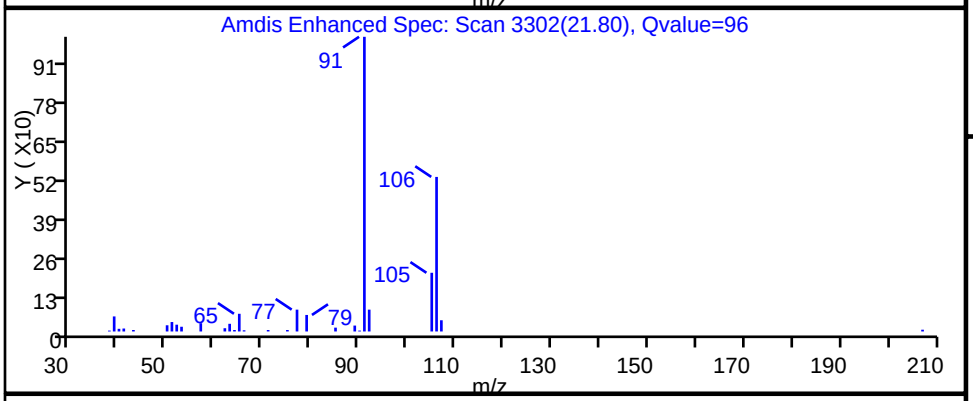
TestAmerica Burlington

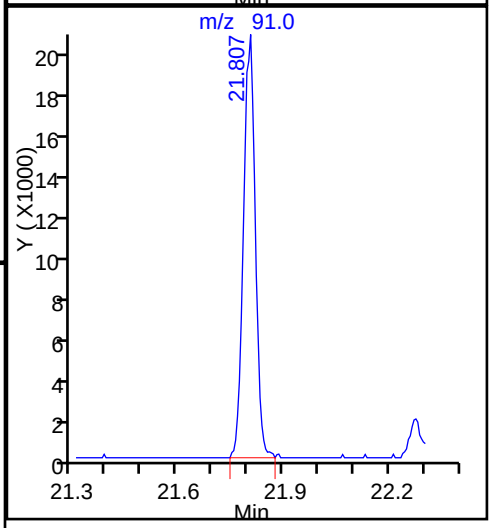
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

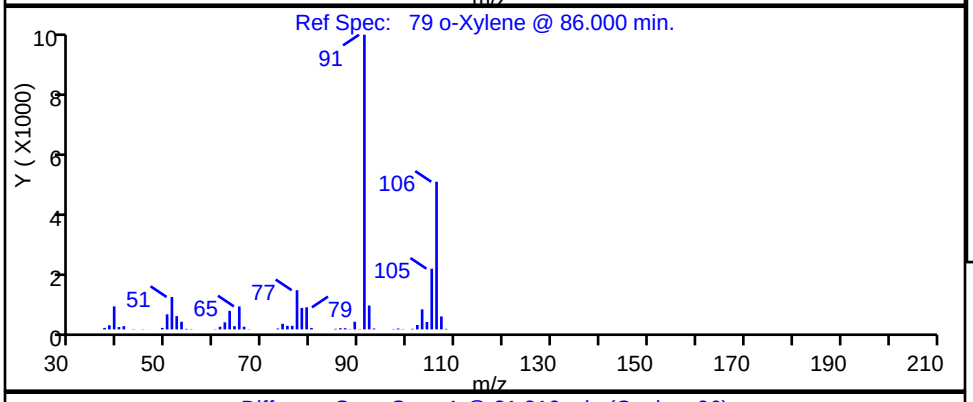
79 o-Xylene, CAS: 95-47-6

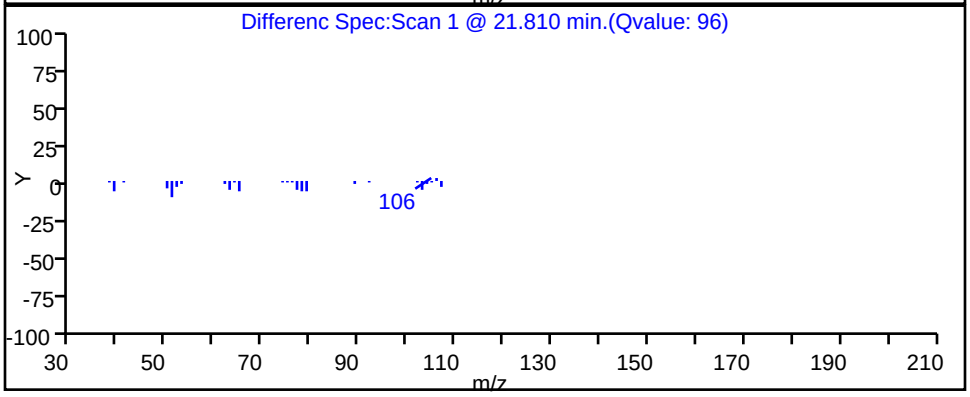






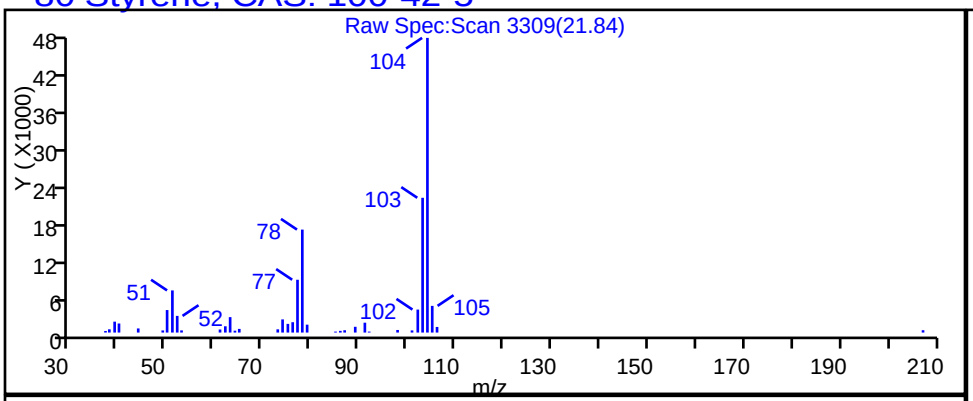


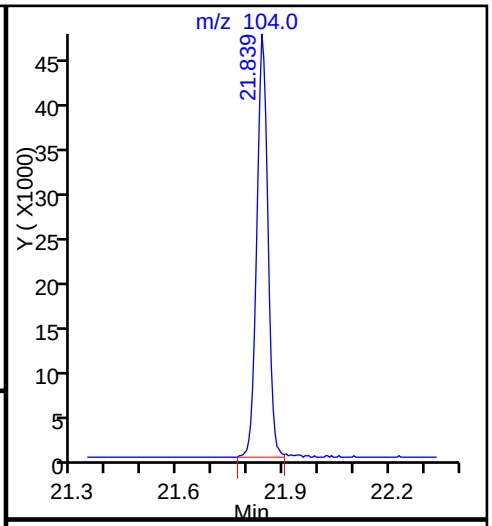


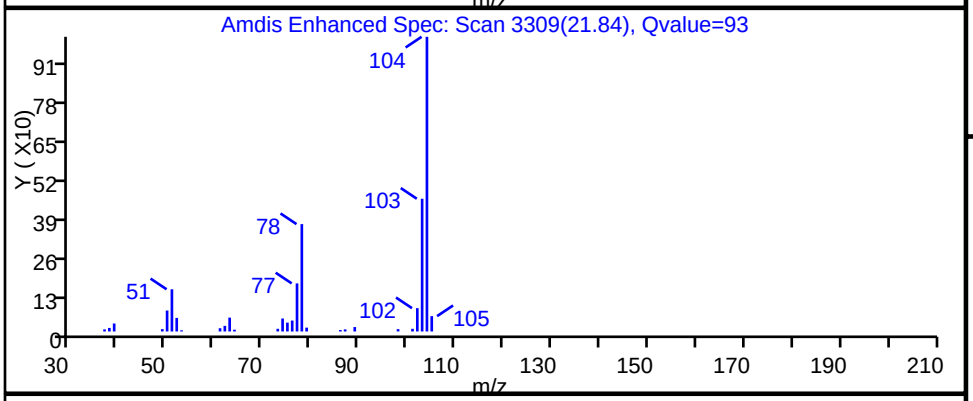


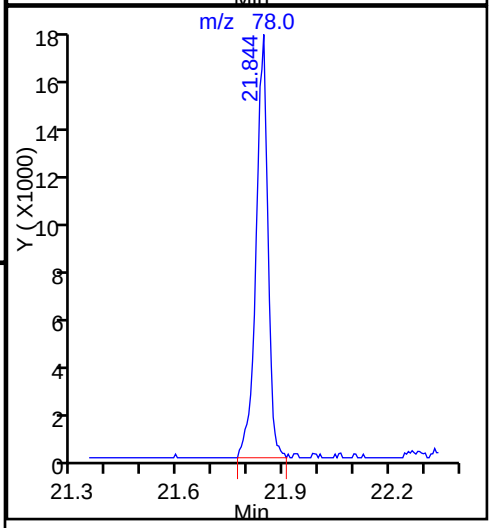
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d
Injection Date: 11-Sep-2015 01:04:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-20 Lab Sample ID: 200-29580-20
Client ID: 785VMP0501PA
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

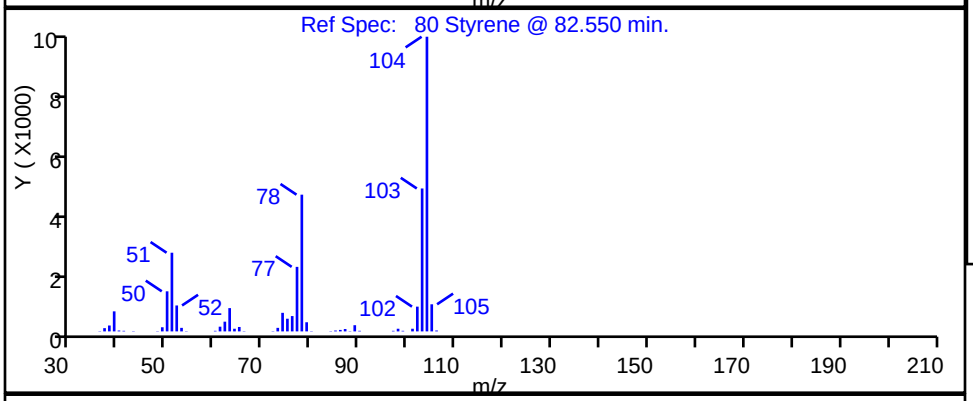
80 Styrene, CAS: 100-42-5

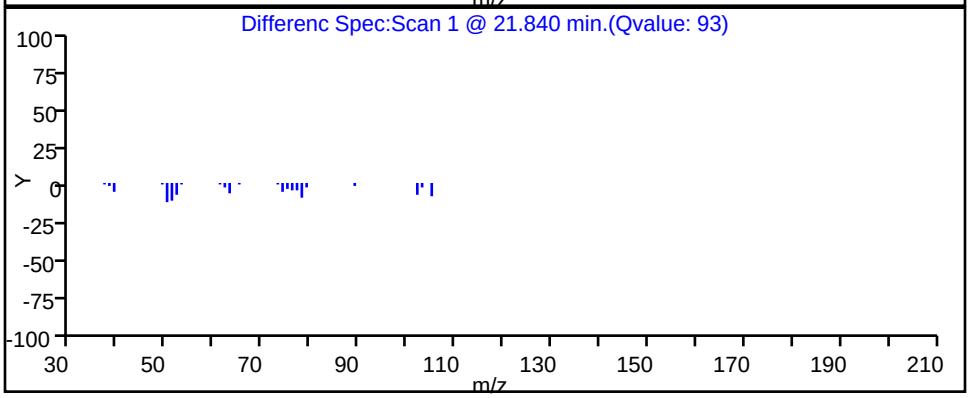








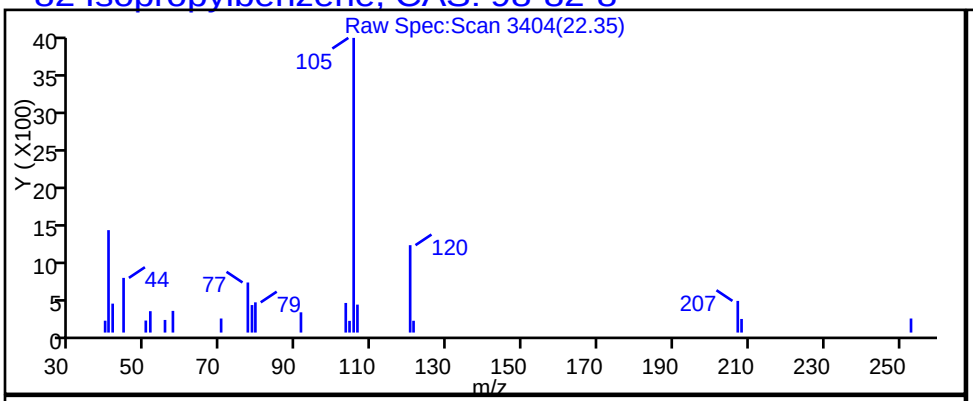


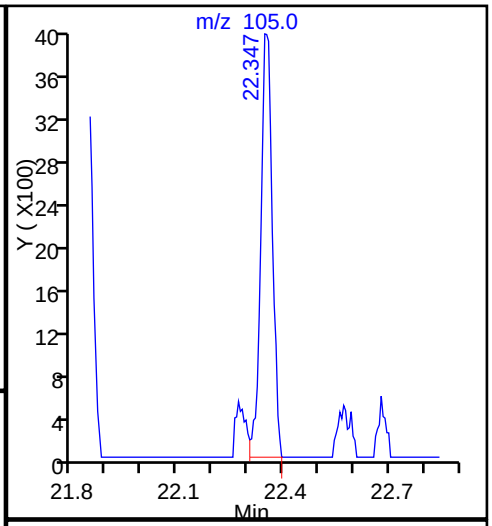


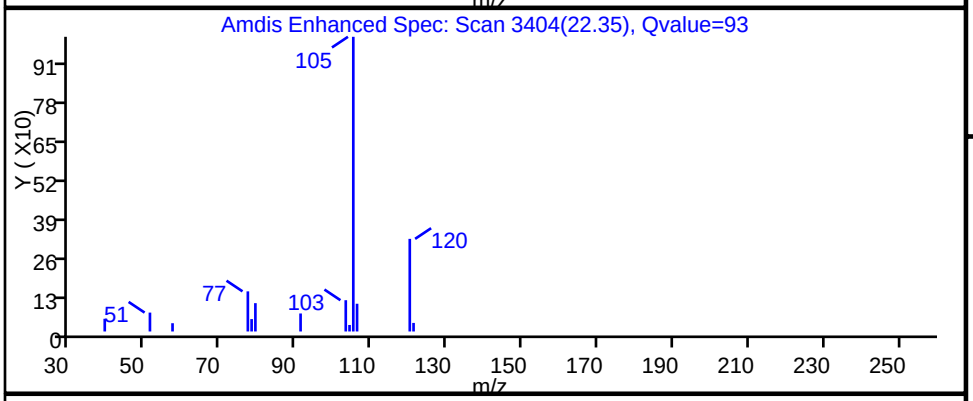
TestAmerica Burlington

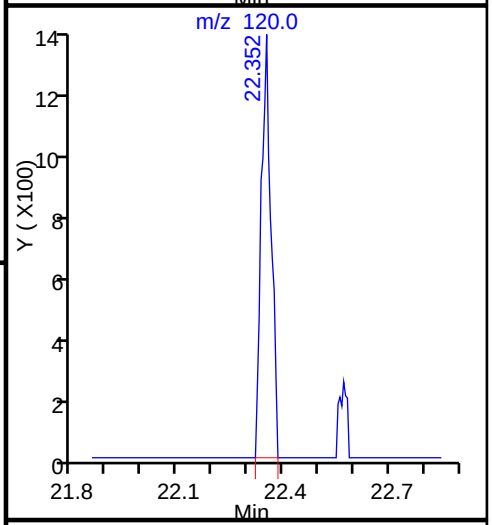
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

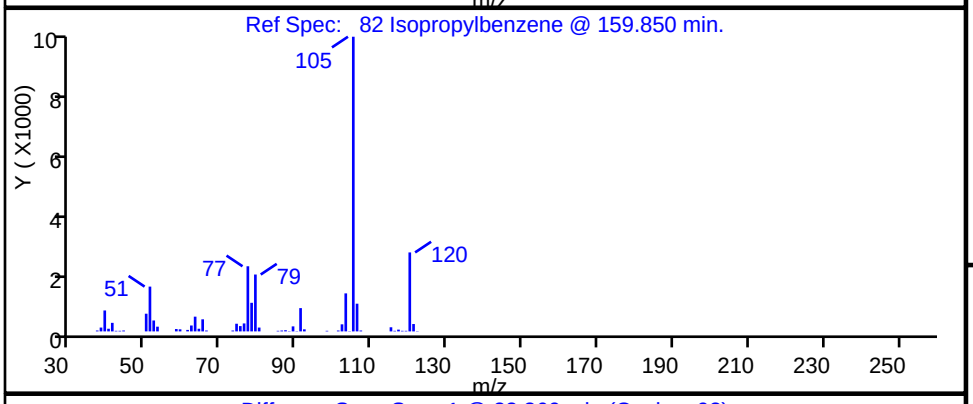
82 Isopropylbenzene, CAS: 98-82-8

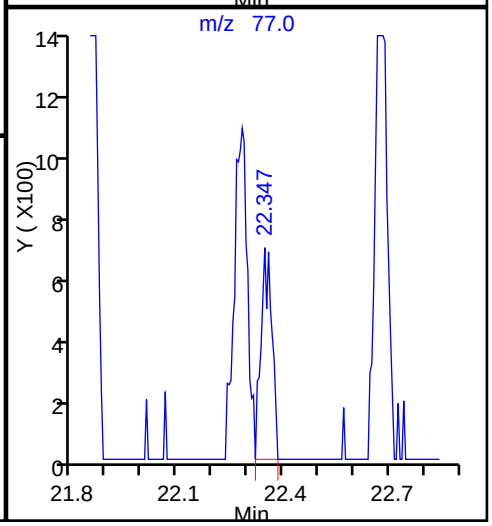


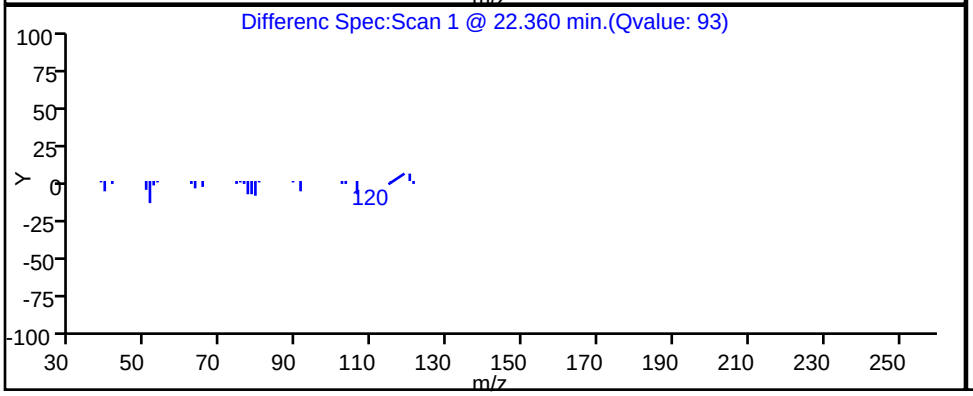








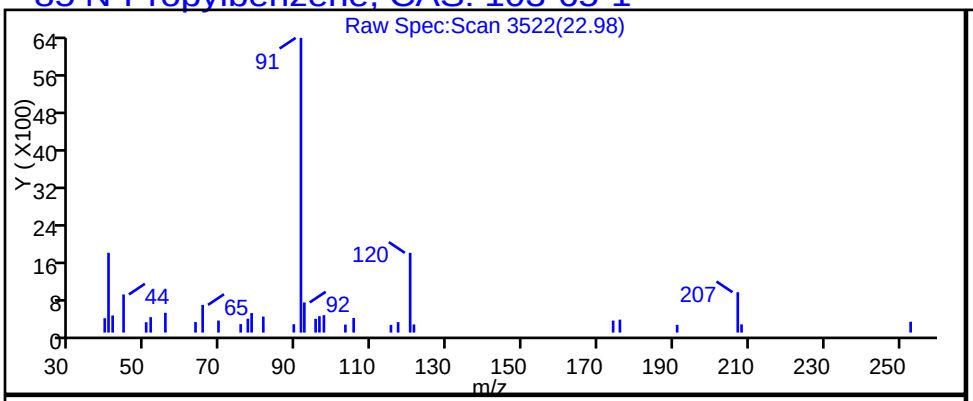


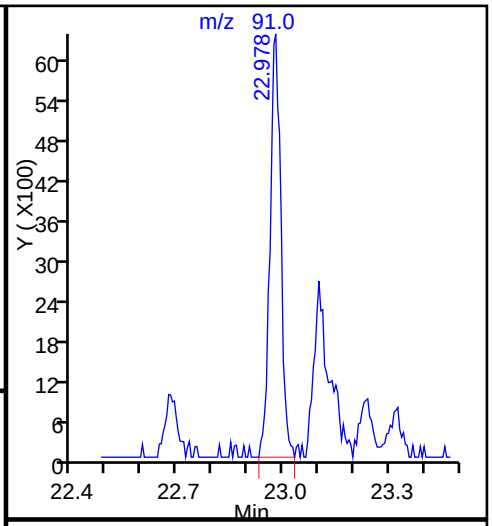


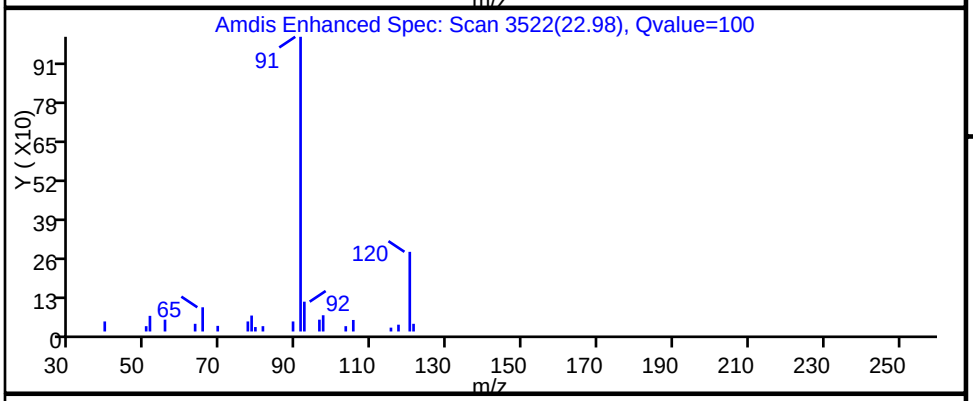
TestAmerica Burlington

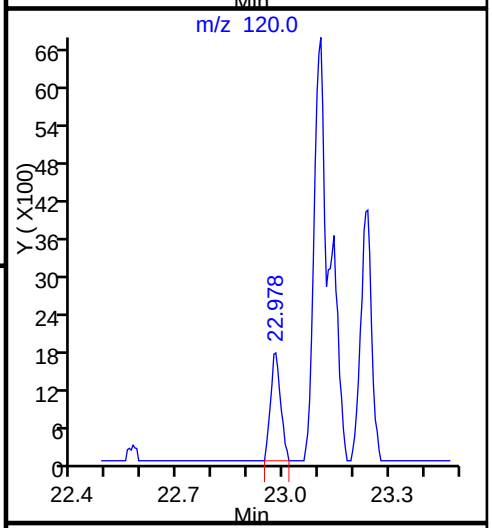
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

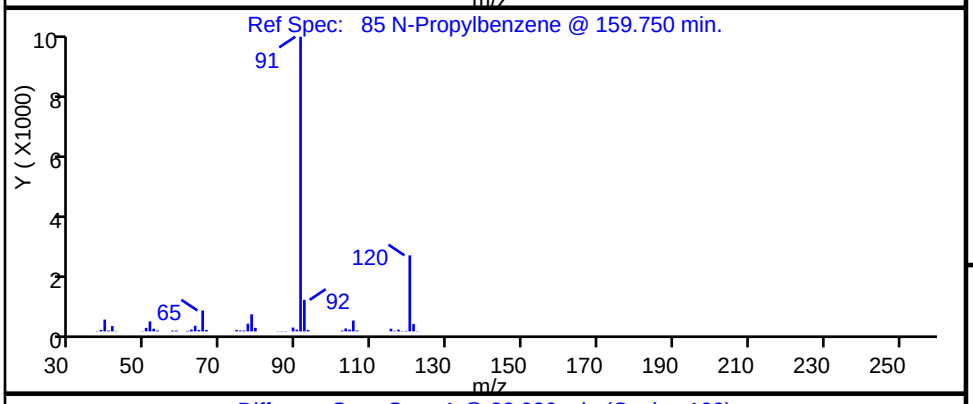
85 N-Propylbenzene, CAS: 103-65-1

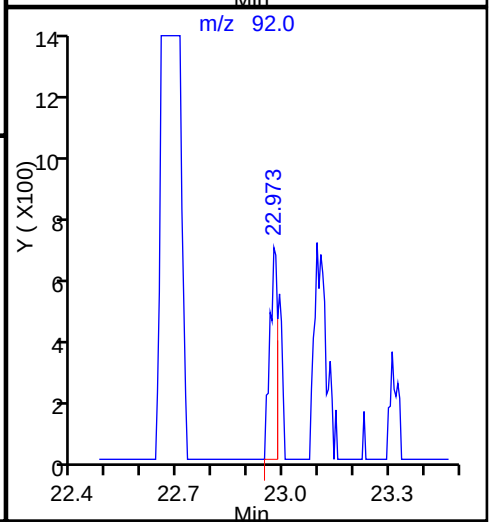


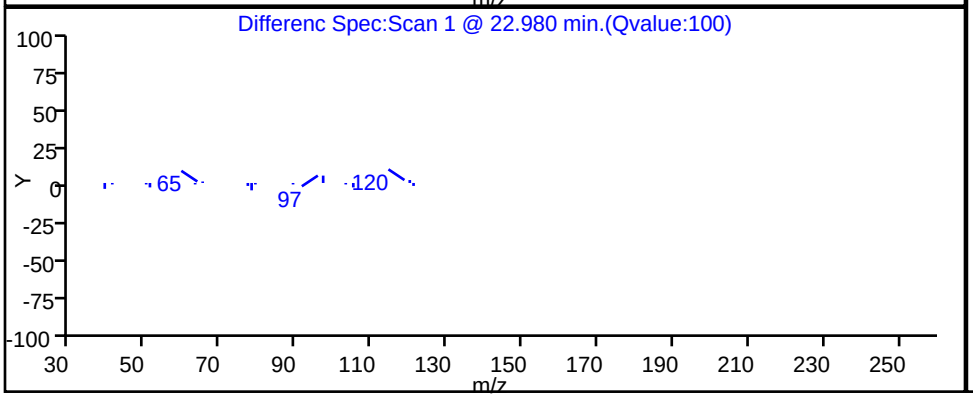








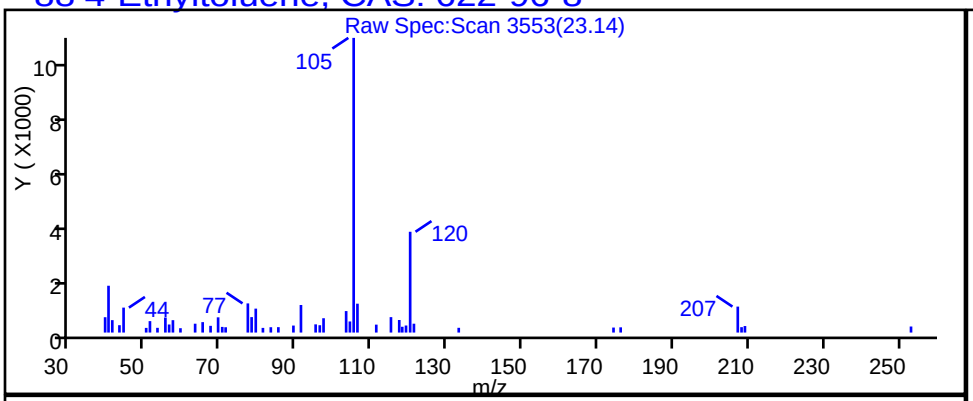


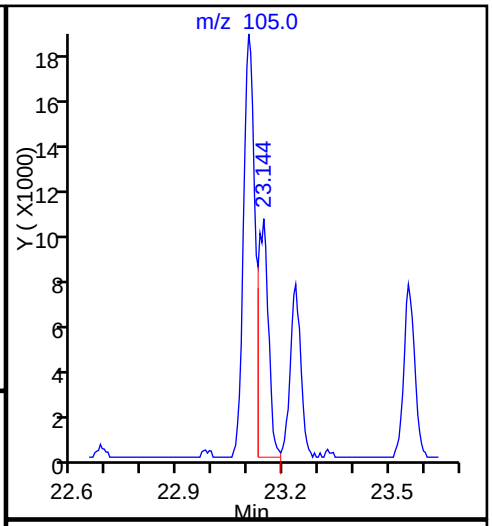


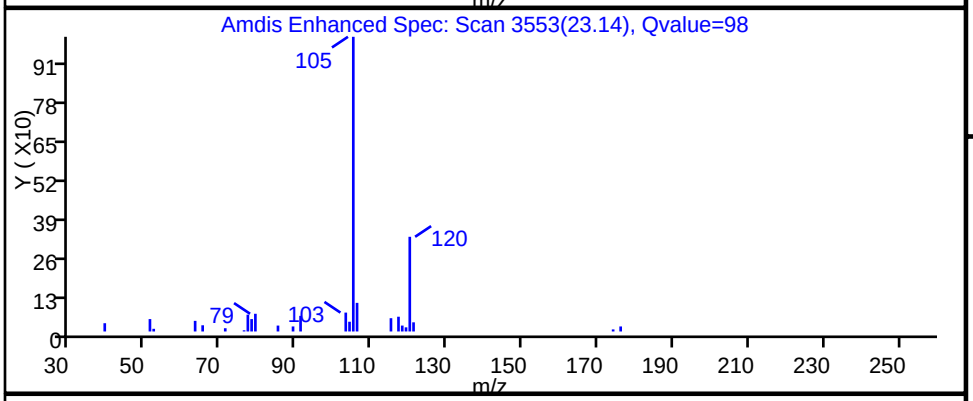
TestAmerica Burlington

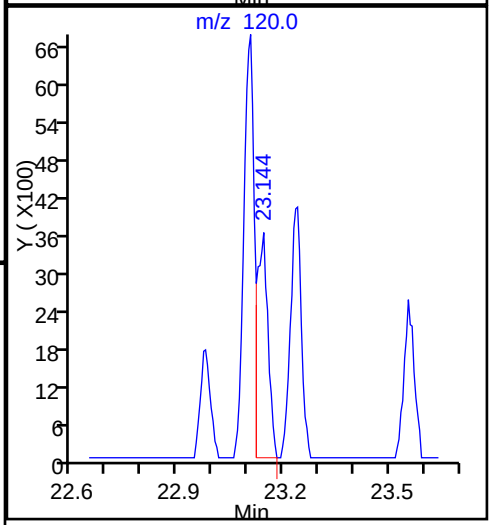
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

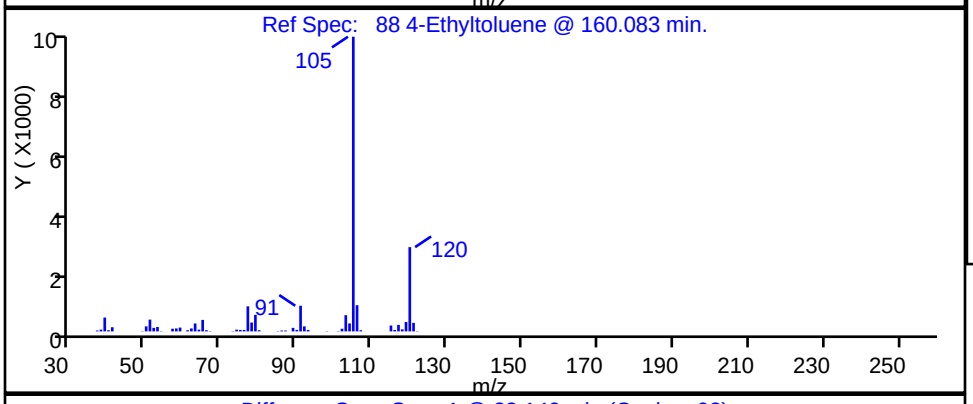
88 4-Ethyltoluene, CAS: 622-96-8

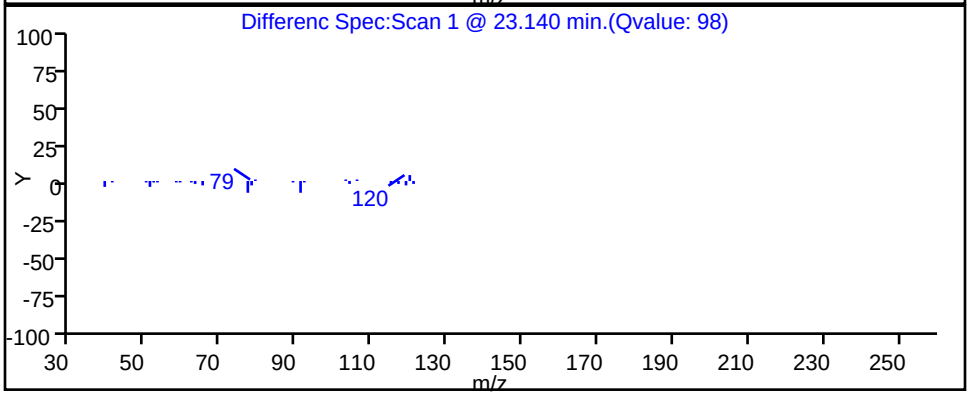








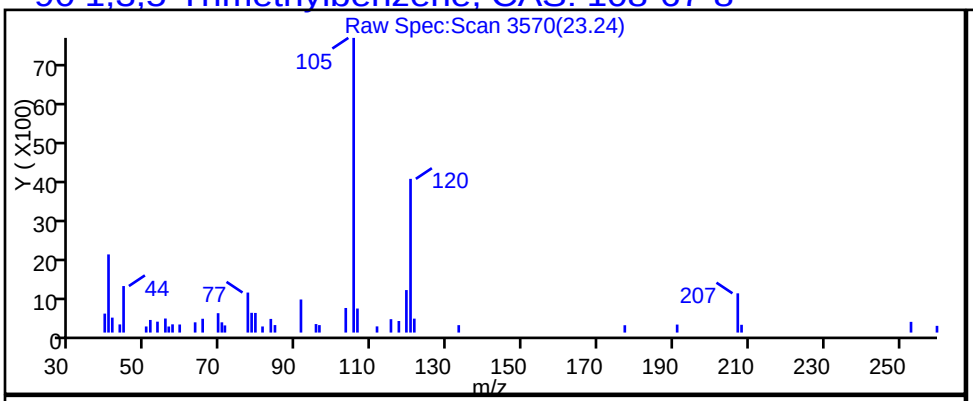


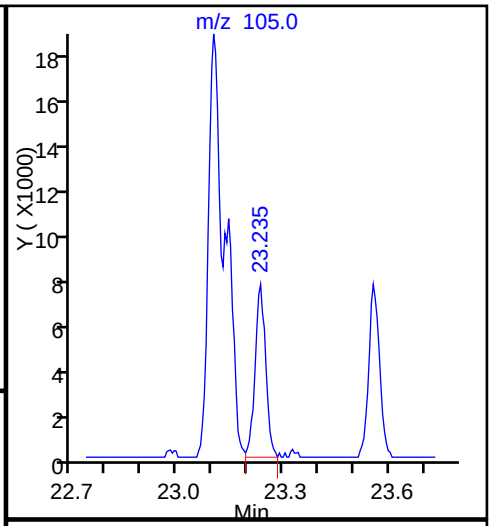


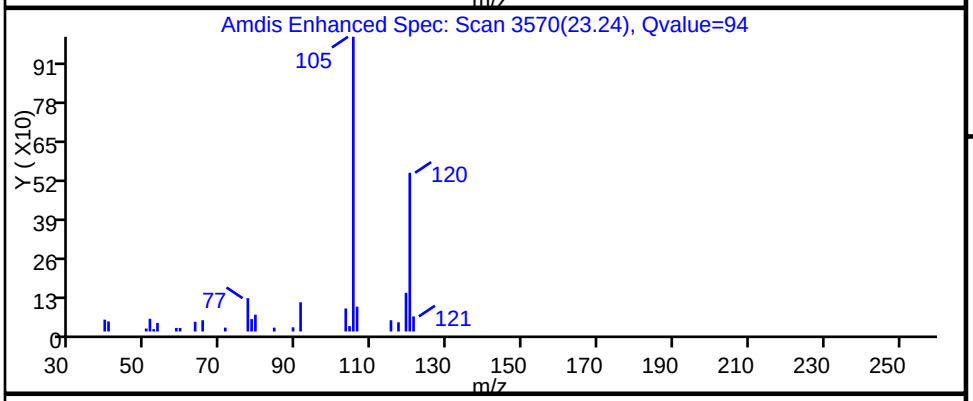
TestAmerica Burlington

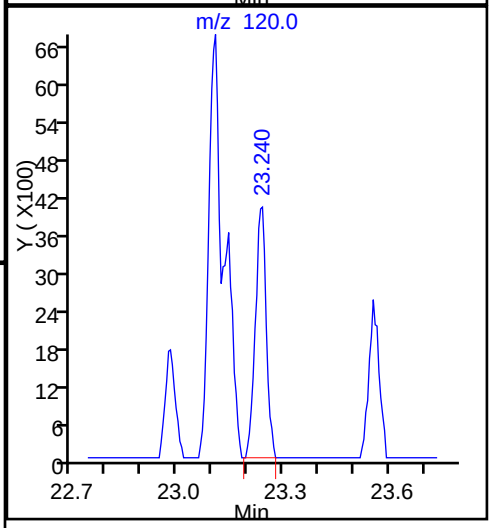
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

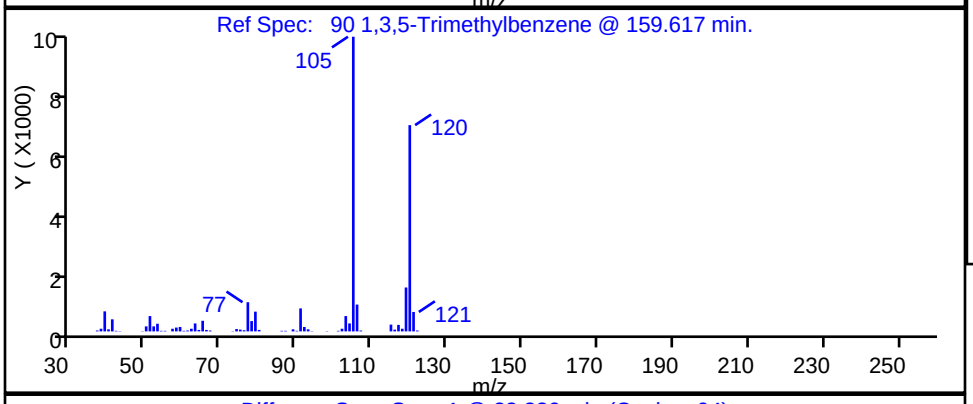
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

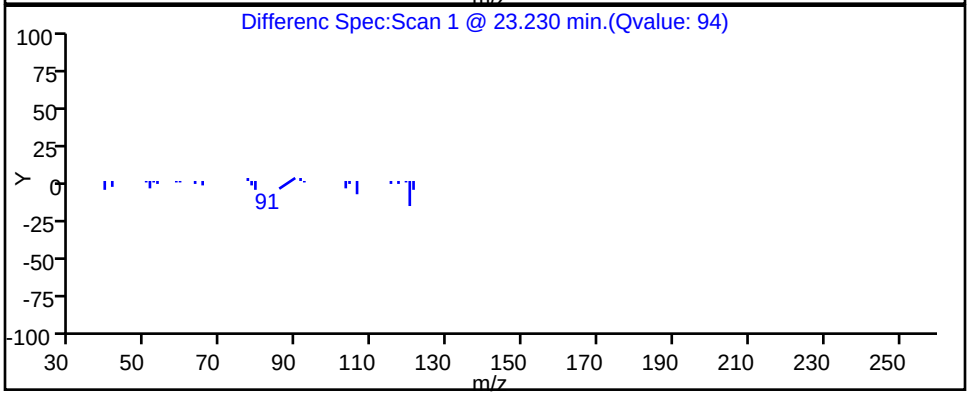








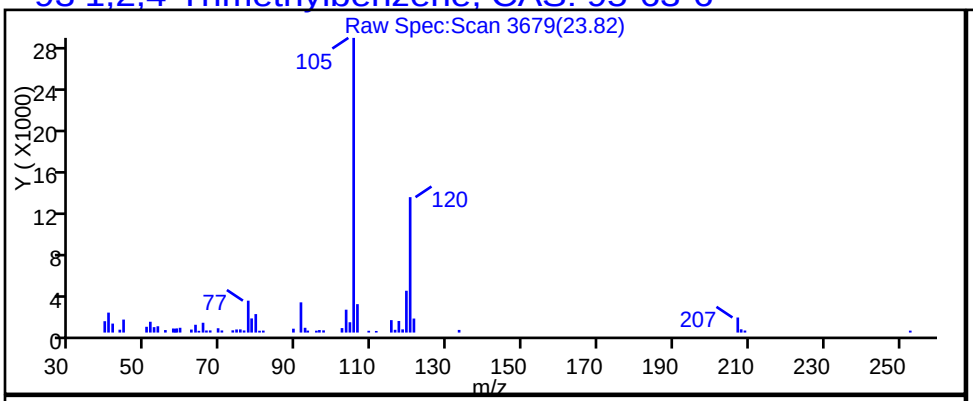


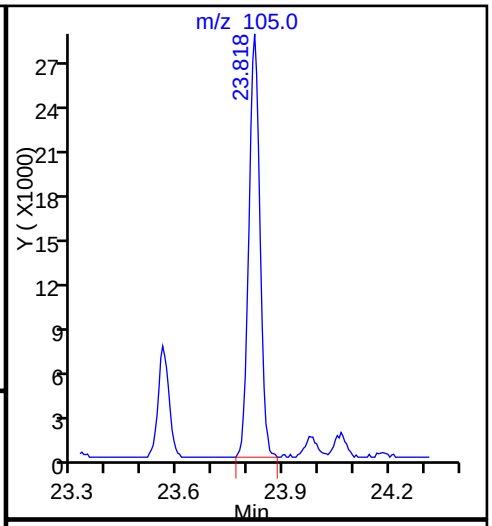


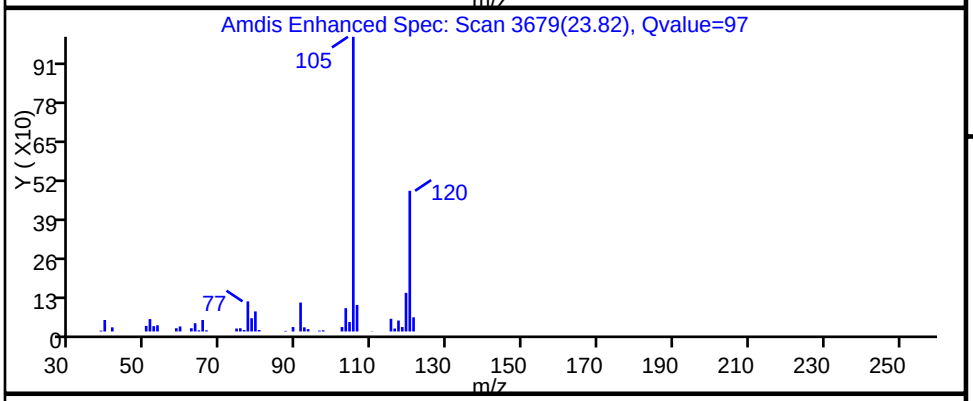
TestAmerica Burlington

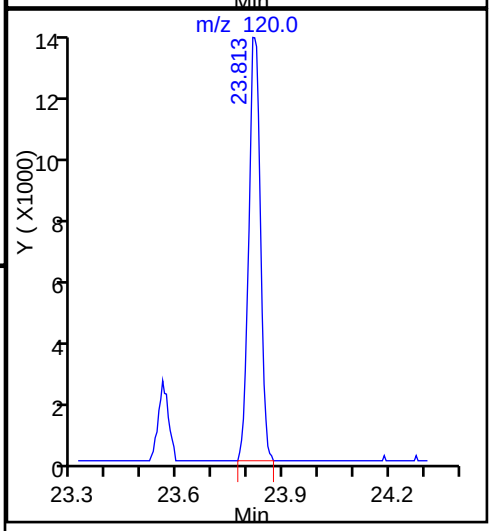
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

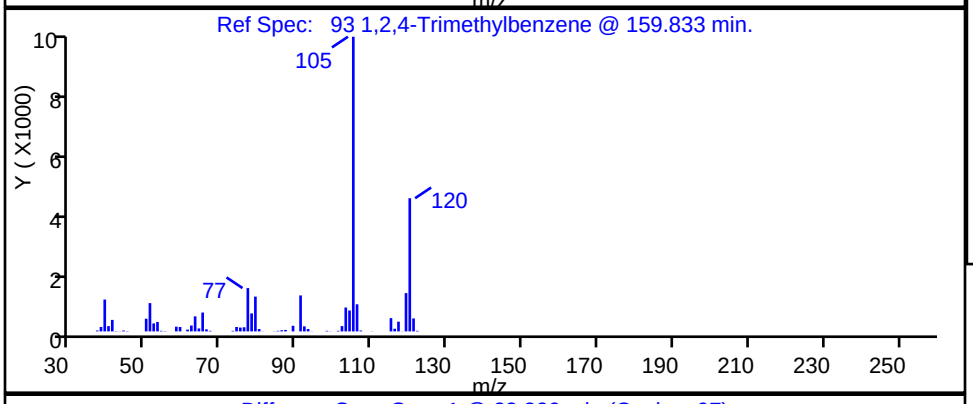
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

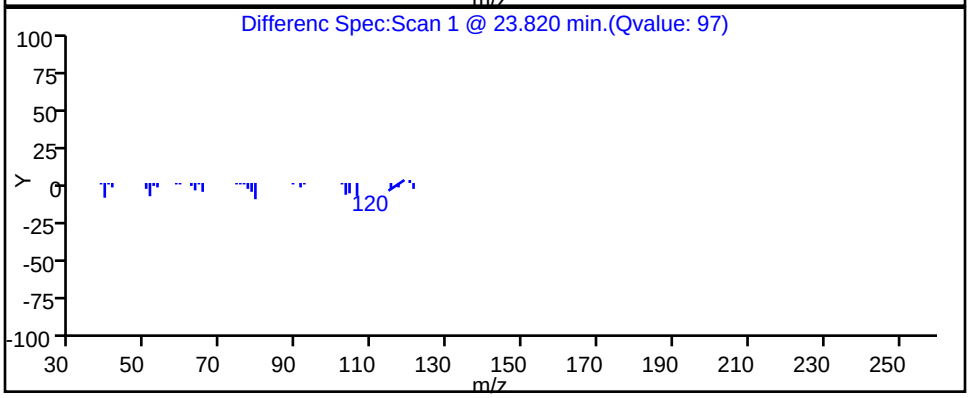












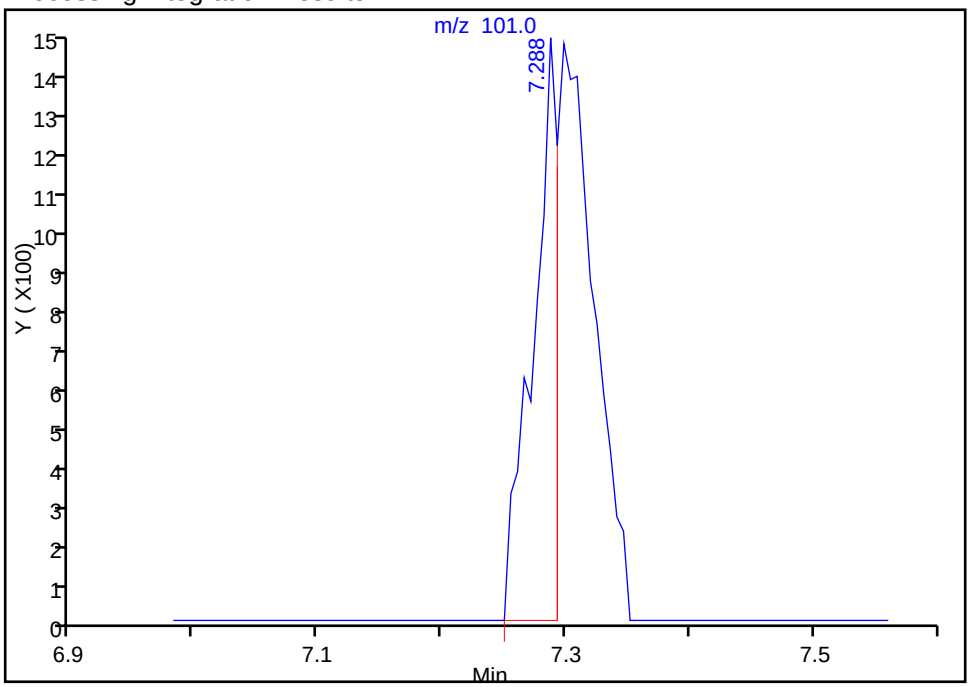
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 Trichlorofluoromethane, CAS: 75-69-4

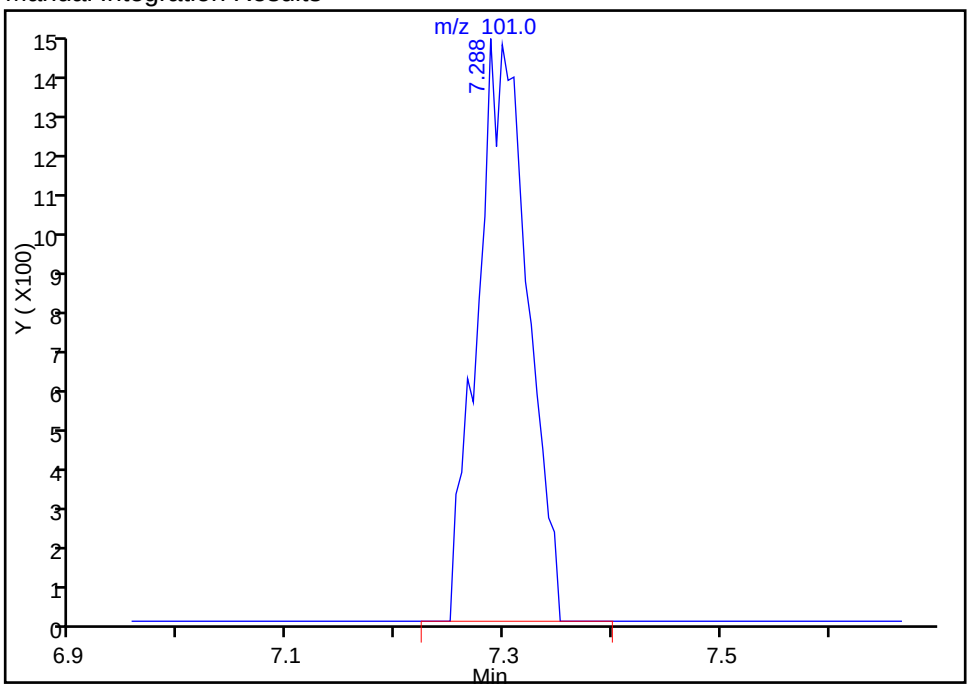
Processing Integration Results

RT: 7.29
Area: 1995
Amount: 0.023740
Amount Units: ppb v/v



Manual Integration Results

RT: 7.29
Area: 4629
Amount: 0.055083
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:42:10
Audit Action: Manually Integrated
Audit Reason: Baseline

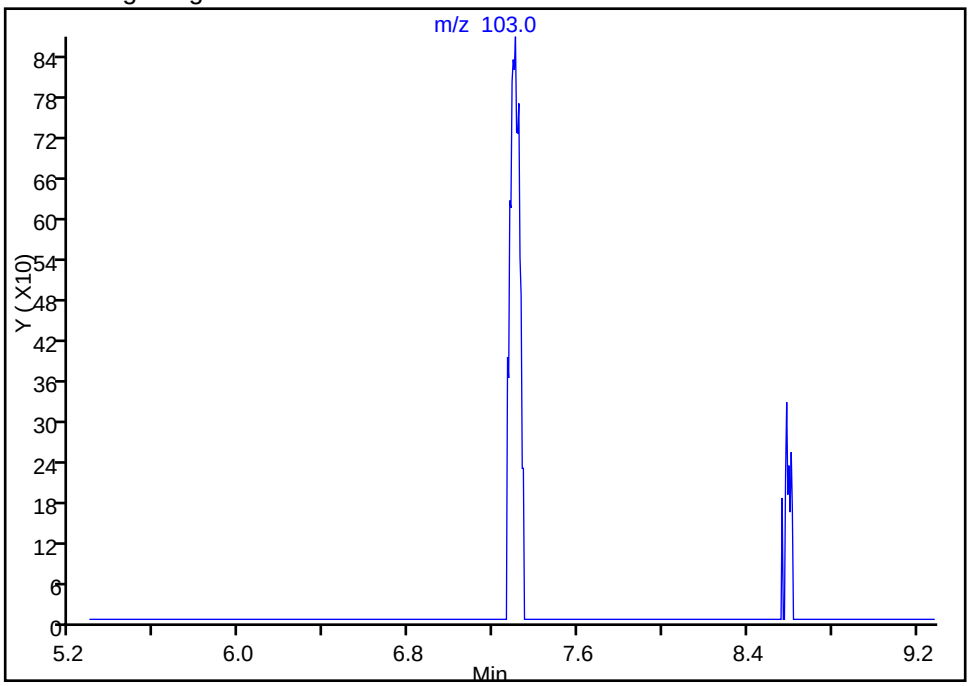
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 Trichlorofluoromethane, CAS: 75-69-4

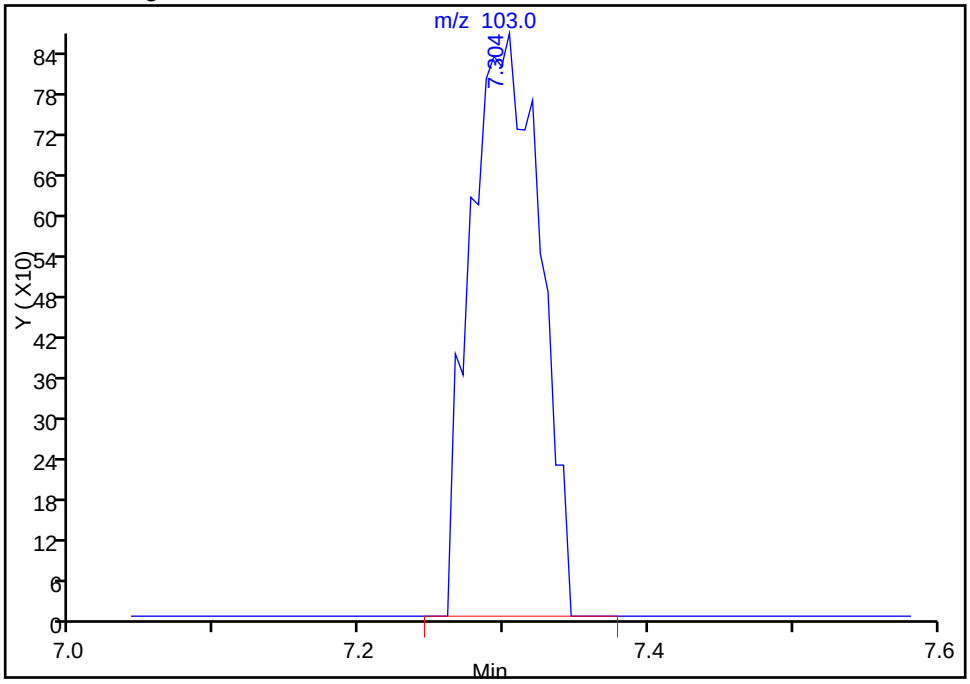
Processing Integration Results

RT: 7.29
Area: 0
Amount: 0.023740
Amount Units: ppb v/v



Manual Integration Results

RT: 7.30
Area: 2876
Amount: 0.055083
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:42:10
Audit Action: Manually Integrated
Audit Reason: Baseline

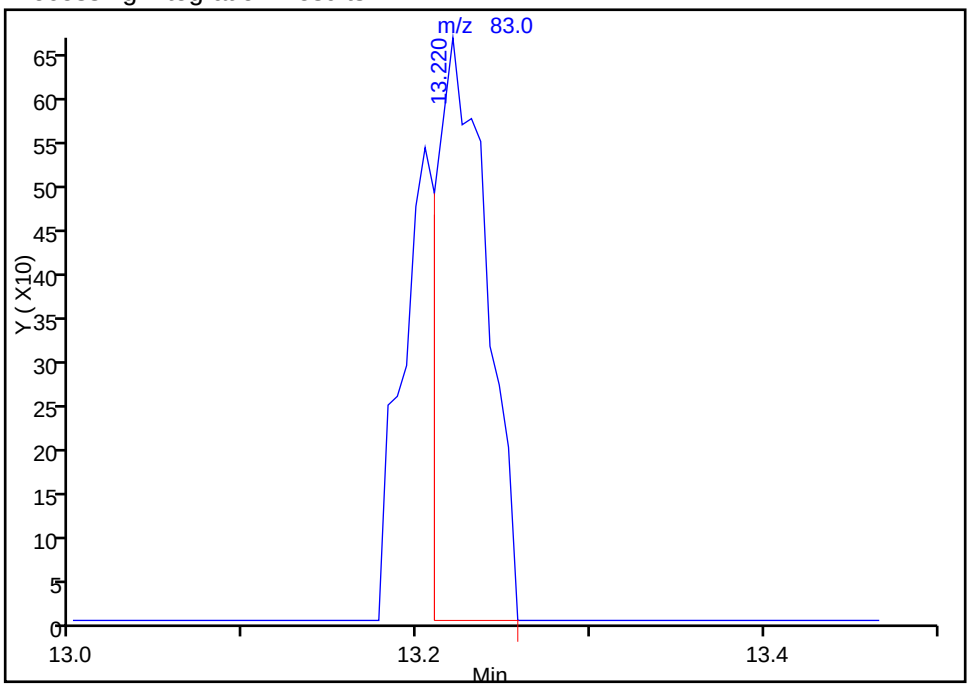
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Chloroform, CAS: 67-66-3

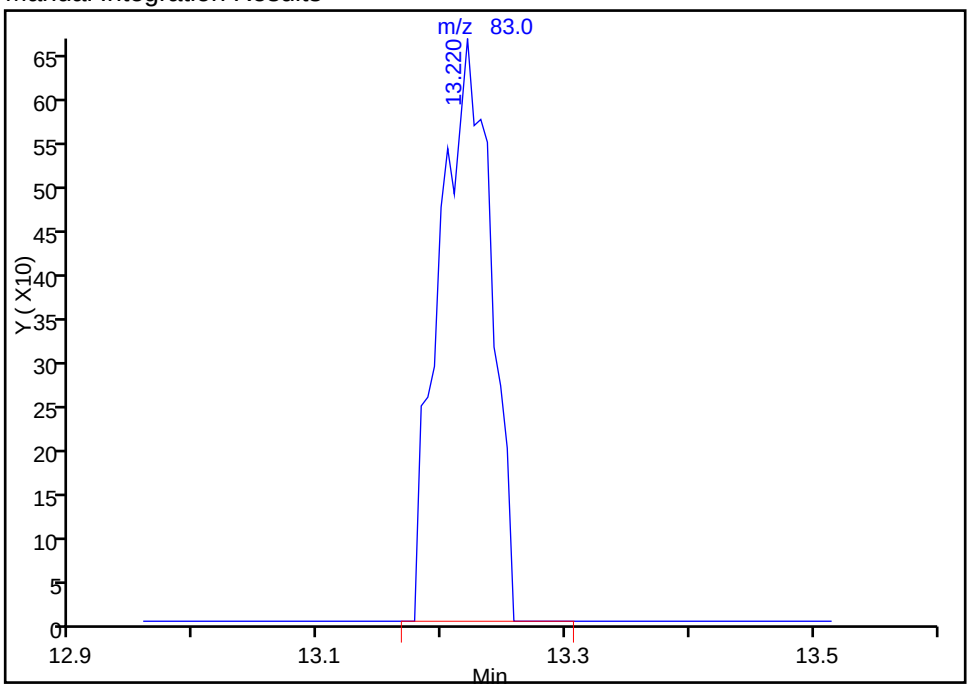
Processing Integration Results

RT: 13.22
Area: 1341
Amount: 0.021477
Amount Units: ppb v/v



Manual Integration Results

RT: 13.22
Area: 1919
Amount: 0.030734
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:42:10
Audit Action: Manually Integrated
Audit Reason: Baseline

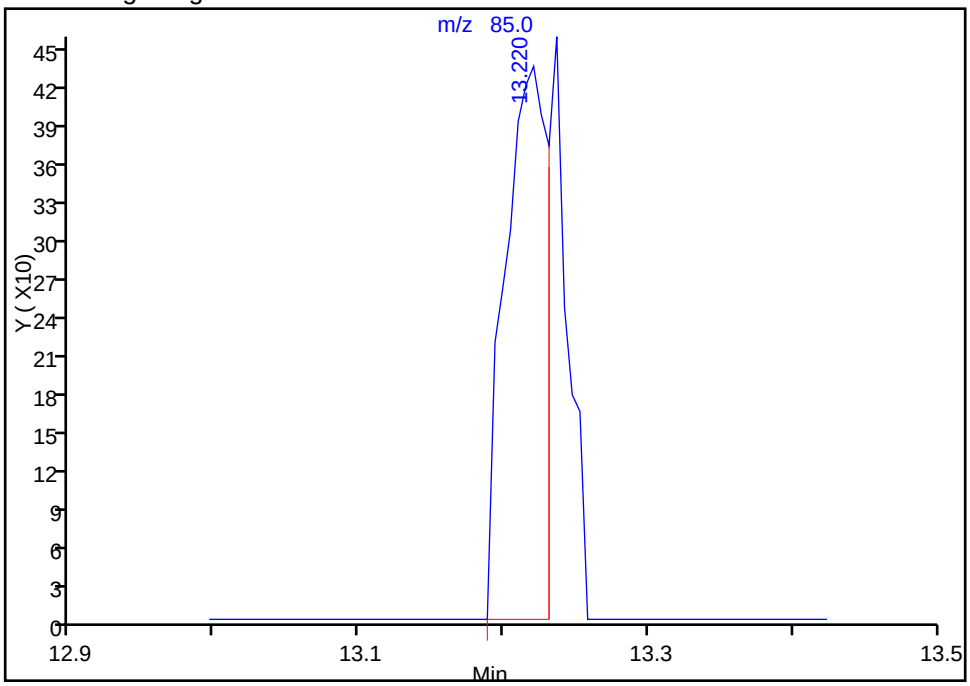
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Chloroform, CAS: 67-66-3

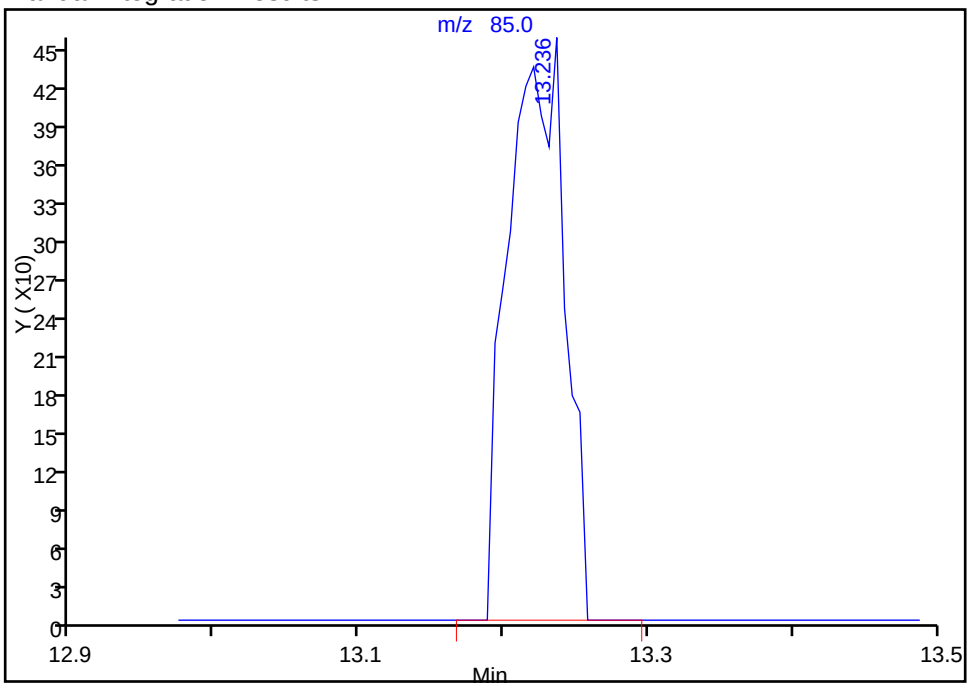
Processing Integration Results

RT: 13.22
Area: 890
Amount: 0.021477
Amount Units: ppb v/v



Manual Integration Results

RT: 13.24
Area: 1222
Amount: 0.030734
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:42:10
Audit Action: Manually Integrated
Audit Reason: Baseline

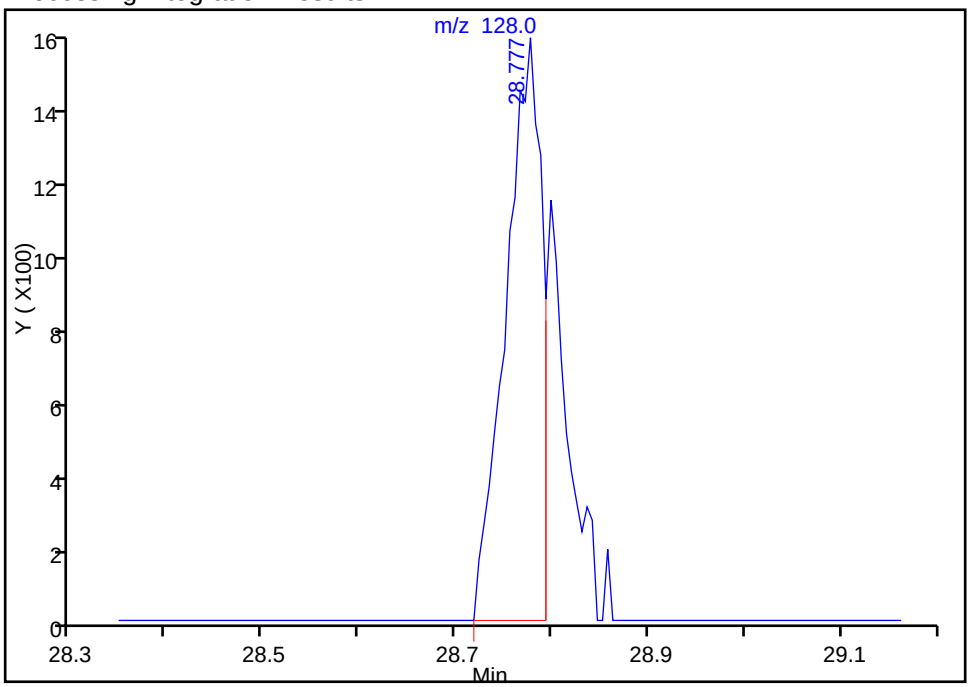
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_021.d				
Injection Date:	11-Sep-2015 01:04:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-20	Lab Sample ID:	200-29580-20		
Client ID:	785VMP0501PA				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

105 Naphthalene, CAS: 91-20-3

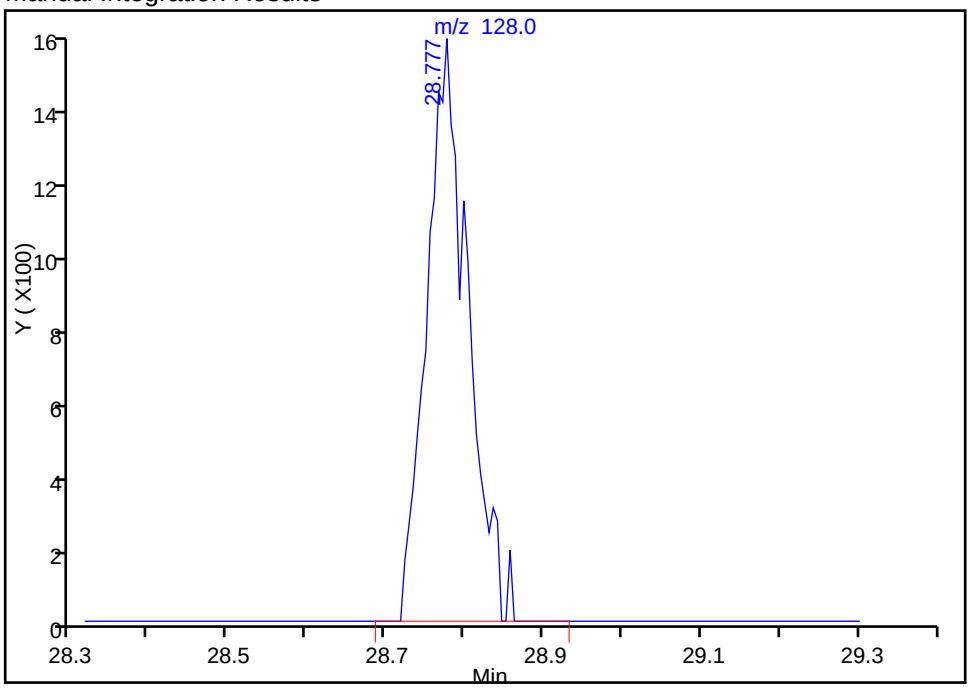
Processing Integration Results

RT: 28.78
Area: 4120
Amount: 0.020312
Amount Units: ppb v/v



Manual Integration Results

RT: 28.78
Area: 5750
Amount: 0.028348
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:42:10
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0401PA | Lab Sample ID: 200-29580-21

Matrix: Air | Lab File ID: 15679_024.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 15:45

Sample wt/vol: 40(mL) | Date Analyzed: 09/11/2015 07:59

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.62	J D	2.5	0.28
75-45-6	Freon 22	86.47	1.0	U	2.5	0.40
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.40	U	1.0	0.26
74-87-3	Chloromethane	50.49	1.0	U	2.5	0.30
106-97-8	n-Butane	58.12	1.0	U	2.5	0.90
75-01-4	Vinyl chloride	62.50	0.15	U	1.0	0.13
106-99-0	1,3-Butadiene	54.09	0.40	U	1.0	0.18
74-83-9	Bromomethane	94.94	0.40	U	1.0	0.22
75-00-3	Chloroethane	64.52	0.40	U	2.5	0.31
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.15	U	1.0	0.10
75-69-4	Trichlorofluoromethane	137.37	0.27	J D M	1.0	0.23
76-13-1	Freon TF	187.38	0.40	U	1.0	0.21
75-35-4	1,1-Dichloroethene	96.94	0.15	U	1.0	0.050
67-64-1	Acetone	58.08	51	D	25	3.5
67-63-0	Isopropyl alcohol	60.10	2.5	U	25	0.75
75-15-0	Carbon disulfide	76.14	6.6	D	2.5	0.15
107-05-1	3-Chloropropene	76.53	1.0	U	2.5	0.80
75-09-2	Methylene Chloride	84.93	1.0	U	2.5	0.60
75-65-0	tert-Butyl alcohol	74.12	1.0	U	25	0.60
1634-04-4	Methyl tert-butyl ether	88.15	0.15	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.15	U	1.0	0.14
110-54-3	n-Hexane	86.17	0.15	U	1.0	0.14
75-34-3	1,1-Dichloroethane	98.96	0.15	U	1.0	0.14
78-93-3	Methyl Ethyl Ketone	72.11	19	D	2.5	0.46
156-59-2	cis-1,2-Dichloroethene	96.94	1.3	D	1.0	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	1.3	J	2.0	0.27
67-66-3	Chloroform	119.38	0.34	J D M	1.0	0.19
109-99-9	Tetrahydrofuran	72.11	120	D	25	0.90
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	1.0	0.15
110-82-7	Cyclohexane	84.16	0.15	U	1.0	0.050
56-23-5	Carbon tetrachloride	153.81	0.085	J D	1.0	0.055
540-84-1	2,2,4-Trimethylpentane	114.23	0.15	U	1.0	0.12
71-43-2	Benzene	78.11	0.23	J D M	1.0	0.15
107-06-2	1,2-Dichloroethane	98.96	0.40	U	1.0	0.26

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0401PA | Lab Sample ID: 200-29580-21

Matrix: Air | Lab File ID: 15679_024.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 15:45

Sample wt/vol: 40(mL) | Date Analyzed: 09/11/2015 07:59

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.40	U	1.0	0.19
79-01-6	Trichloroethene	131.39	6.1	D	1.0	0.15
80-62-6	Methyl methacrylate	100.12	1.0	U	2.5	0.48
78-87-5	1,2-Dichloropropane	112.99	0.40	U	1.0	0.18
123-91-1	1,4-Dioxane	88.11	1.0	U	25	0.80
75-27-4	Bromodichloromethane	163.83	0.15	U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	110.97	0.15	U	1.0	0.15
108-10-1	methyl isobutyl ketone	100.16	1.0	U	2.5	0.90
108-88-3	Toluene	92.14	1.8	D	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.15	U	1.0	0.13
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	1.0	0.19
127-18-4	Tetrachloroethene	165.83	0.15	U	1.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	2.5	0.85
124-48-1	Dibromochloromethane	208.29	0.15	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	0.15	U	1.0	0.090
108-90-7	Chlorobenzene	112.56	0.15	U	1.0	0.090
100-41-4	Ethylbenzene	106.17	1.0	D	1.0	0.10
179601-23-1	m,p-Xylene	106.17	3.7	D	2.5	0.13
95-47-6	Xylene, o-	106.17	1.2	D	1.0	0.090
1330-20-7	Xylene (total)	106.17	4.9		3.5	0.21
100-42-5	Styrene	104.15	0.33	J D	1.0	0.080
75-25-2	Bromoform	252.75	0.15	U Q	1.0	0.13
98-82-8	Cumene	120.19	0.12	J D	1.0	0.095
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	1.0	0.17
103-65-1	n-Propylbenzene	120.19	0.52	J D	1.0	0.14
622-96-8	4-Ethyltoluene	120.20	0.84	J D	1.0	0.10
108-67-8	1,3,5-Trimethylbenzene	120.20	0.63	J D	1.0	0.095
95-49-8	2-Chlorotoluene	126.59	0.40	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.15	U	1.0	0.10
95-63-6	1,2,4-Trimethylbenzene	120.20	2.2	D	1.0	0.080
135-98-8	sec-Butylbenzene	134.22	0.15	U	1.0	0.11
99-87-6	4-Isopropyltoluene	134.22	0.15	U	1.0	0.10
541-73-1	1,3-Dichlorobenzene	147.00	0.15	U	1.0	0.10
106-46-7	1,4-Dichlorobenzene	147.00	0.15	U	1.0	0.095

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0401PA Lab Sample ID: 200-29580-21

Matrix: Air Lab File ID: 15679_024.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:45

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 07:59

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.15	U	1.0	0.090
104-51-8	n-Butylbenzene	134.22	0.15	U	1.0	0.14
95-50-1	1,2-Dichlorobenzene	147.00	0.15	U	1.0	0.090
120-82-1	1,2,4-Trichlorobenzene	181.45	0.40	U	2.5	0.17
87-68-3	Hexachlorobutadiene	260.76	0.40	U	1.0	0.18
91-20-3	Naphthalene	128.17	0.40	U	2.5	0.15

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0401PA Lab Sample ID: 200-29580-21

Matrix: Air Lab File ID: 15679_024.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:45

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 07:59

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.1	J D	12	1.4
75-45-6	Freon 22	86.47	3.5	U	8.8	1.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.8	U	7.0	1.8
74-87-3	Chloromethane	50.49	2.1	U	5.2	0.62
106-97-8	n-Butane	58.12	2.4	U	5.9	2.1
75-01-4	Vinyl chloride	62.50	0.38	U	2.6	0.33
106-99-0	1,3-Butadiene	54.09	0.88	U	2.2	0.40
74-83-9	Bromomethane	94.94	1.6	U	3.9	0.85
75-00-3	Chloroethane	64.52	1.1	U	6.6	0.80
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.66	U	4.4	0.44
75-69-4	Trichlorofluoromethane	137.37	1.5	J D M	5.6	1.3
76-13-1	Freon TF	187.38	3.1	U	7.7	1.6
75-35-4	1,1-Dichloroethene	96.94	0.59	U	4.0	0.20
67-64-1	Acetone	58.08	120	D	59	8.2
67-63-0	Isopropyl alcohol	60.10	6.1	U	61	1.8
75-15-0	Carbon disulfide	76.14	21	D	7.8	0.47
107-05-1	3-Chloropropene	76.53	3.1	U	7.8	2.5
75-09-2	Methylene Chloride	84.93	3.5	U	8.7	2.1
75-65-0	tert-Butyl alcohol	74.12	3.0	U	76	1.8
1634-04-4	Methyl tert-butyl ether	88.15	0.54	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	0.59	U	4.0	0.54
110-54-3	n-Hexane	86.17	0.53	U	3.5	0.49
75-34-3	1,1-Dichloroethane	98.96	0.61	U	4.0	0.57
78-93-3	Methyl Ethyl Ketone	72.11	55	D	7.4	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	5.1	D	4.0	0.59
540-59-0	1,2-Dichloroethene, Total	96.94	5.2	J	7.9	1.1
67-66-3	Chloroform	119.38	1.7	J D M	4.9	0.93
109-99-9	Tetrahydrofuran	72.11	360	D	74	2.7
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	5.5	0.82
110-82-7	Cyclohexane	84.16	0.52	U	3.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.53	J D	6.3	0.35
540-84-1	2,2,4-Trimethylpentane	114.23	0.70	U	4.7	0.54
71-43-2	Benzene	78.11	0.75	J D M	3.2	0.46
107-06-2	1,2-Dichloroethane	98.96	1.6	U	4.0	1.1

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0401PA | Lab Sample ID: 200-29580-21

Matrix: Air | Lab File ID: 15679_024.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 15:45

Sample wt/vol: 40(mL) | Date Analyzed: 09/11/2015 07:59

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.6	U	4.1	0.76
79-01-6	Trichloroethene	131.39	33	D	5.4	0.81
80-62-6	Methyl methacrylate	100.12	4.1	U	10	2.0
78-87-5	1,2-Dichloropropane	112.99	1.8	U	4.6	0.81
123-91-1	1,4-Dioxane	88.11	3.6	U	90	2.9
75-27-4	Bromodichloromethane	163.83	1.0	U	6.7	0.97
10061-01-5	cis-1,3-Dichloropropene	110.97	0.68	U	4.5	0.66
108-10-1	methyl isobutyl ketone	100.16	4.1	U	10	3.7
108-88-3	Toluene	92.14	6.7	D	3.8	0.47
10061-02-6	trans-1,3-Dichloropropene	110.97	0.68	U	4.5	0.59
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	5.5	1.0
127-18-4	Tetrachloroethene	165.83	1.0	U	6.8	1.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	10	3.5
124-48-1	Dibromochloromethane	208.29	1.3	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	1.2	U	7.7	0.69
108-90-7	Chlorobenzene	112.56	0.69	U	4.6	0.41
100-41-4	Ethylbenzene	106.17	4.5	D	4.3	0.43
179601-23-1	m,p-Xylene	106.17	16	D	11	0.54
95-47-6	Xylene, o-	106.17	5.3	D	4.3	0.39
1330-20-7	Xylene (total)	106.17	21		15	0.89
100-42-5	Styrene	104.15	1.4	J D	4.3	0.34
75-25-2	Bromoform	252.75	1.6	U Q	10	1.3
98-82-8	Cumene	120.19	0.57	J D	4.9	0.47
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	6.9	1.2
103-65-1	n-Propylbenzene	120.19	2.6	J D	4.9	0.66
622-96-8	4-Ethyltoluene	120.20	4.2	J D	4.9	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	3.1	J D	4.9	0.47
95-49-8	2-Chlorotoluene	126.59	2.1	U	5.2	0.80
98-06-6	tert-Butylbenzene	134.22	0.82	U	5.5	0.55
95-63-6	1,2,4-Trimethylbenzene	120.20	11	D	4.9	0.39
135-98-8	sec-Butylbenzene	134.22	0.82	U	5.5	0.58
99-87-6	4-Isopropyltoluene	134.22	0.82	U	5.5	0.55
541-73-1	1,3-Dichlorobenzene	147.00	0.90	U	6.0	0.60
106-46-7	1,4-Dichlorobenzene	147.00	0.90	U	6.0	0.57

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 785VMP0401PA Lab Sample ID: 200-29580-21

Matrix: Air Lab File ID: 15679_024.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:45

Sample wt/vol: 40(mL) Date Analyzed: 09/11/2015 07:59

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.78	U	5.2	0.47
104-51-8	n-Butylbenzene	134.22	0.82	U	5.5	0.77
95-50-1	1,2-Dichlorobenzene	147.00	0.90	U	6.0	0.54
120-82-1	1,2,4-Trichlorobenzene	181.45	3.0	U	19	1.3
87-68-3	Hexachlorobutadiene	260.76	4.3	U	11	1.9
91-20-3	Naphthalene	128.17	2.1	U	13	0.79

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d
Lims ID: 200-29580-A-21 Lab Sample ID: 200-29580-21
Client ID: 785VMP0401PA
Sample Type: Client
Inject. Date: 11-Sep-2015 07:59:30 ALS Bottle#: 5 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0015679-024
Misc. Info.: 29580-21
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:47:42 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:48:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.426	4.415	0.011	98	8966	0.1235	
3 Chlorodifluoromethane	51	4.490	4.485	0.005	94	2431	0.0744	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50		4.998				ND	
6 Butane	43		5.282				ND	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.293	7.293	0.005	95	4384	0.0548	M
20 1,1,2-Trichloro-1,2,2-trif	101		8.593				ND	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.941	8.946	-0.005	96	298215	10.2	
23 Carbon disulfide	76	9.165	9.166	-0.001	98	93176	1.33	
24 Isopropyl alcohol	45		9.224				ND	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49		9.931				ND	
28 2-Methyl-2-propanol	59	10.139	10.123	0.016	93	4296	0.1072	
S 30 1,2-Dichloroethene, Total	61				0		0.2553	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57		10.856				ND	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96	12.627	12.621	0.006	98	8692	0.2553	
38 2-Butanone (MEK)	72	12.653	12.654	-0.001	97	55479	3.76	
* 40 Chlorobromomethane	128	13.108	13.114	-0.006	79	225377	10.0	
41 Tetrahydrofuran	42	13.108	13.114	-0.006	83	504586	24.7	
42 Chloroform	83	13.210	13.210	-0.011	89	4032	0.0678	M
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.782	13.788	-0.006	85	1058	0.0169	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.253	14.253	-0.005	91	4117	0.0469	M
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43		14.537				ND	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1020857	10.0	
53 Trichloroethene	95	15.478	15.484	-0.006	95	50110	1.21	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43		17.629				ND	
65 Toluene	92	17.960	17.960	0.000	93	24169	0.3534	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43		19.266				ND	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		0.9775	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	948626	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.897	20.903	-0.006	97	30731	0.2067	
78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	100	45274	0.7351	
79 o-Xylene	106	21.801	21.807	-0.006	97	15401	0.2425	
80 Styrene	104	21.839	21.839	0.000	93	6473	0.0666	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.363	22.353	0.010	92	4196	0.0232	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.989	22.979	0.010	99	21820	0.1047	
88 4-Ethyltoluene	105	23.155	23.144	0.011	98	31366	0.1690	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.251	23.235	0.016	93	20043	0.1267	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.834	23.818	0.016	96	69576	0.4358	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119		24.268				ND	
96 1,3-Dichlorobenzene	146		24.337				ND	
97 1,4-Dichlorobenzene	146		24.487				ND	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128		28.772				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

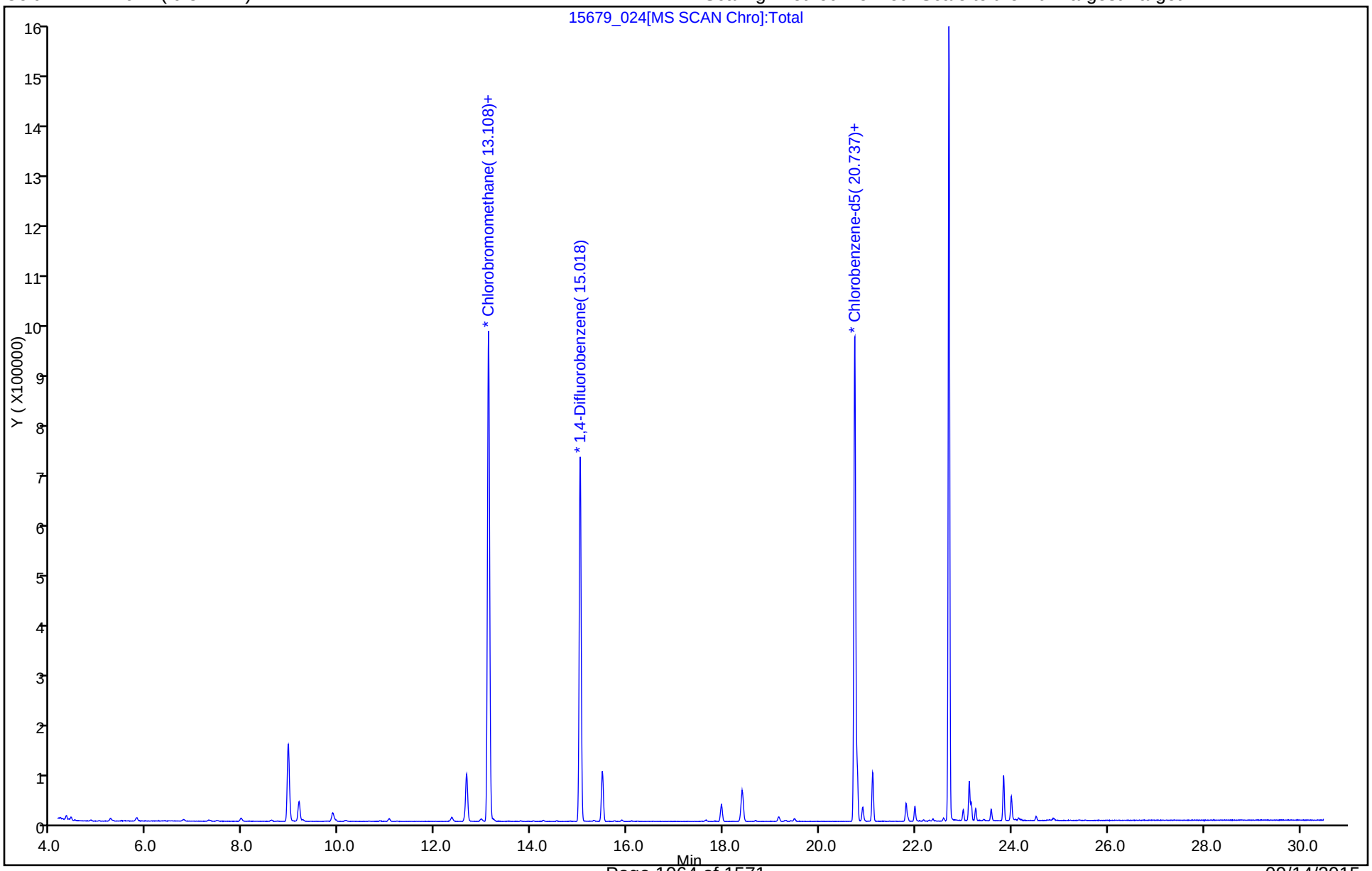
ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 11-Sep-2015 11:48:08 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21	Worklist Smp#:	24
Client ID:	785VMP0401PA				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	5
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

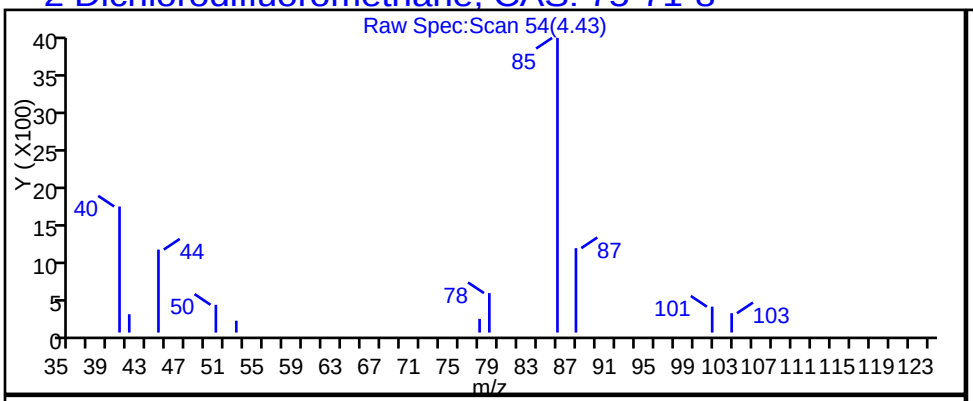
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

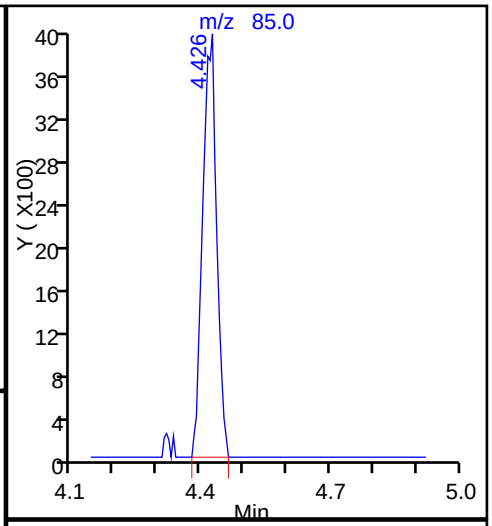


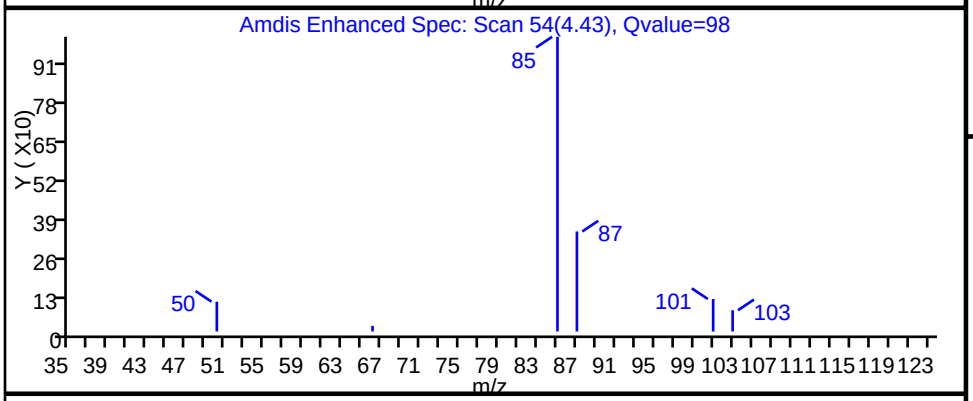
TestAmerica Burlington

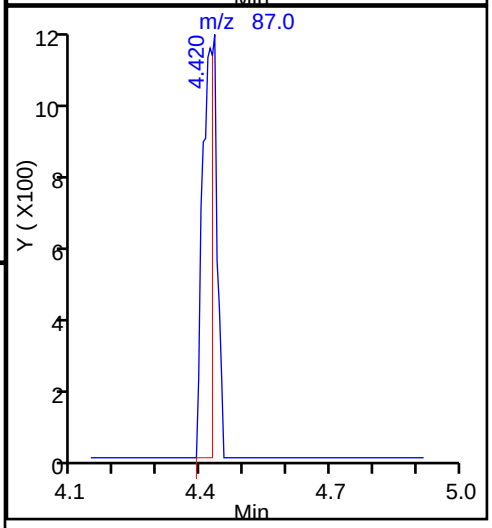
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

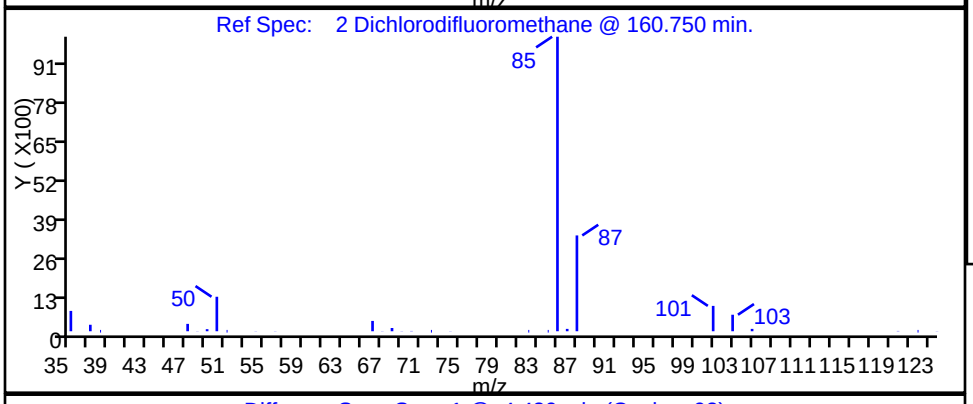
2 Dichlorodifluoromethane, CAS: 75-71-8

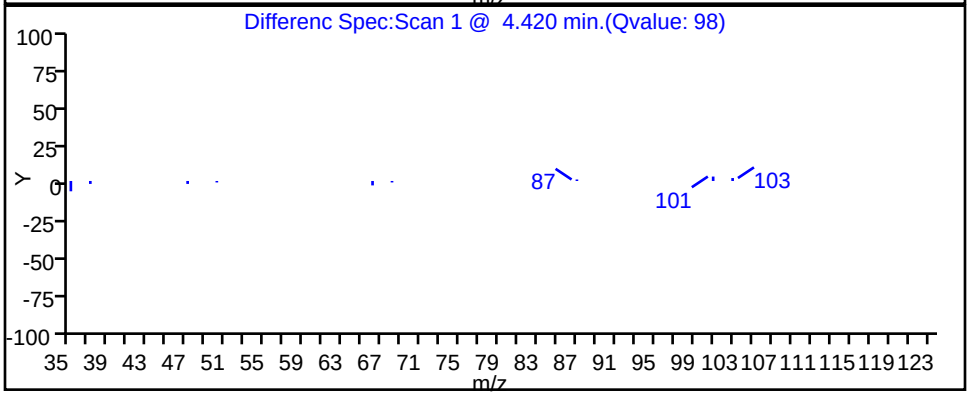








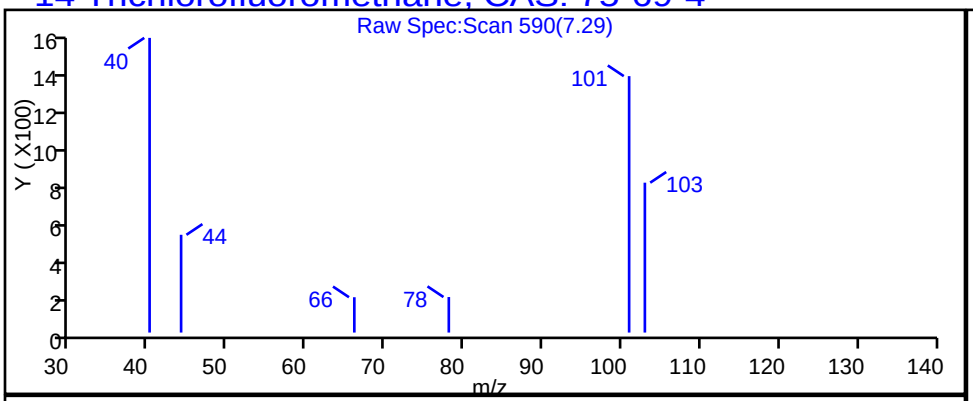


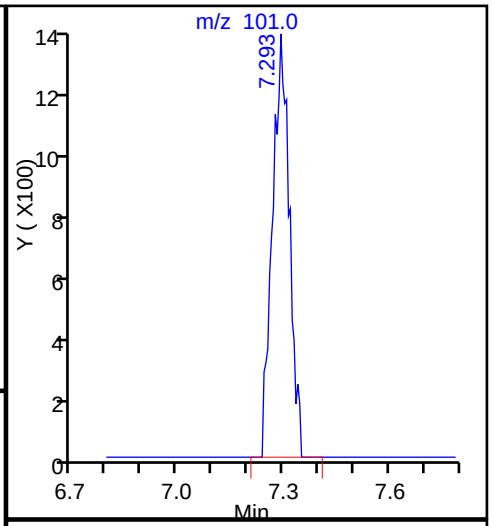


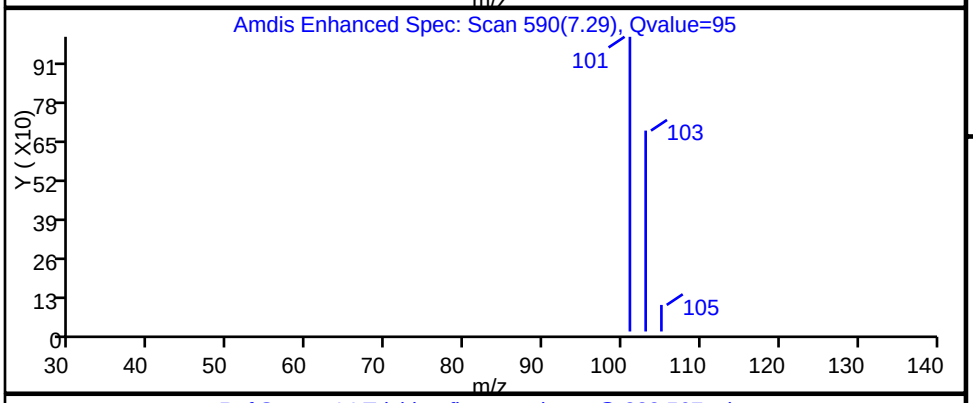
TestAmerica Burlington

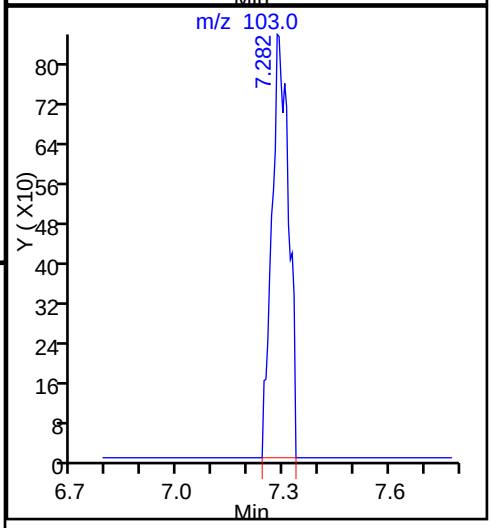
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

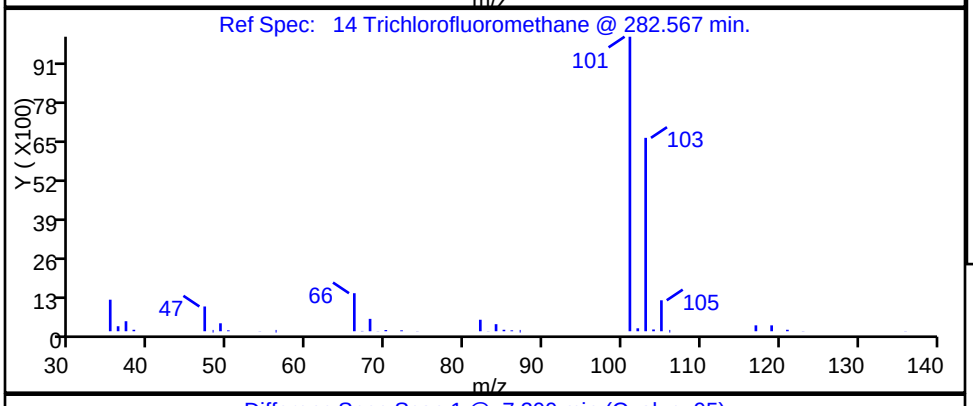
14 Trichlorofluoromethane, CAS: 75-69-4

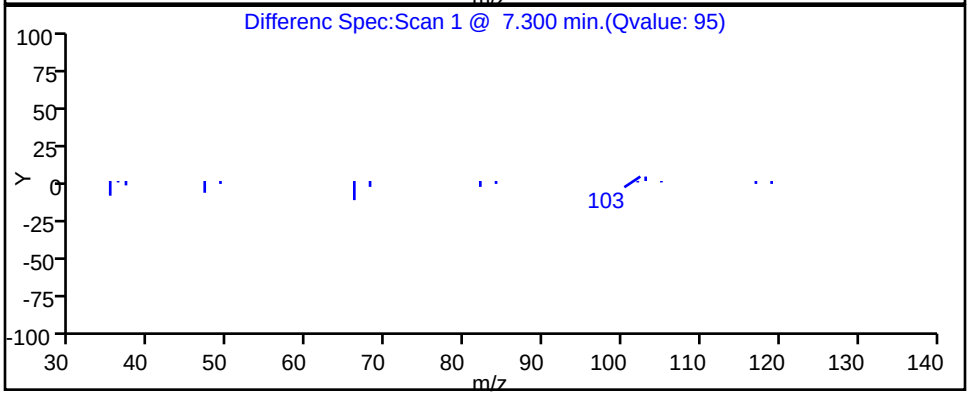






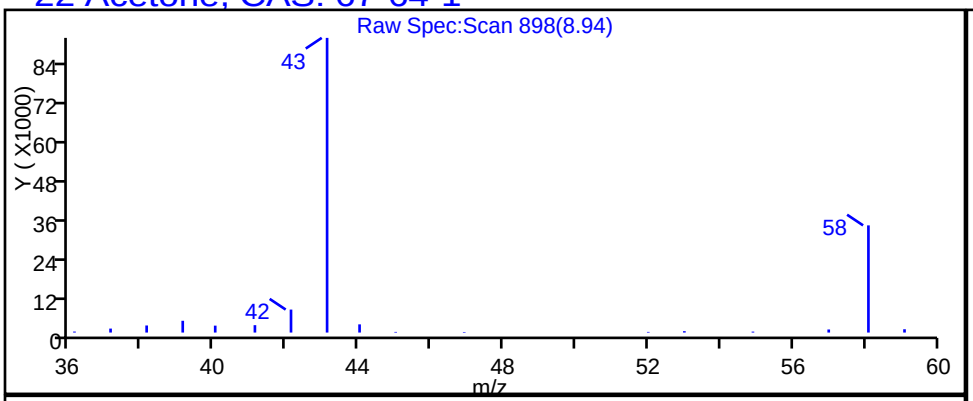


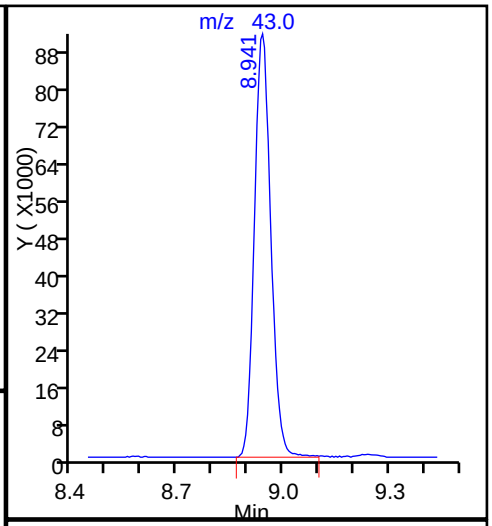


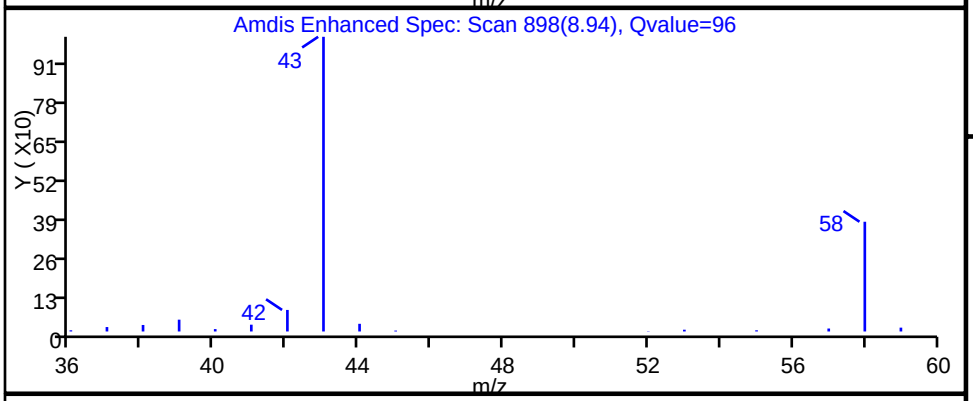


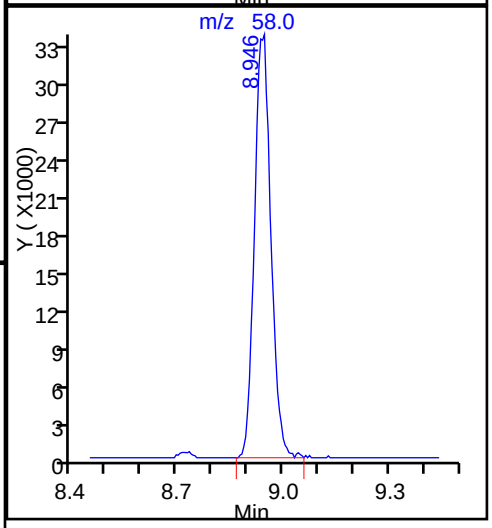
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d
Injection Date: 11-Sep-2015 07:59:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-21 Lab Sample ID: 200-29580-21
Client ID: 785VMP0401PA
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

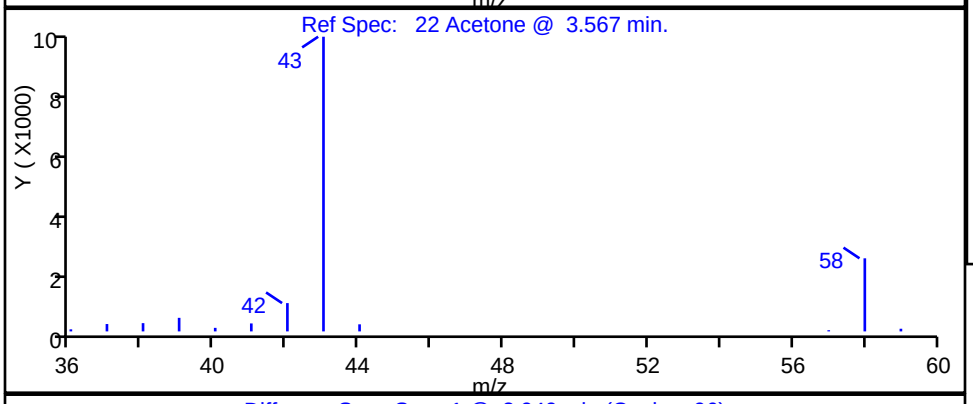
22 Acetone, CAS: 67-64-1

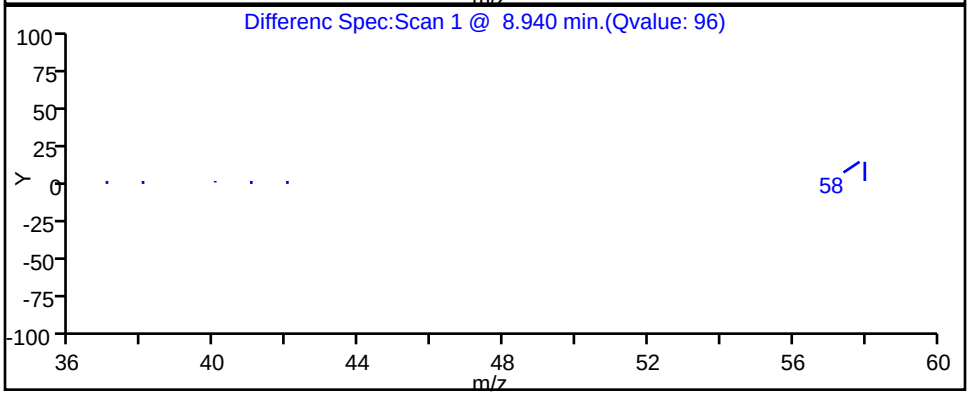








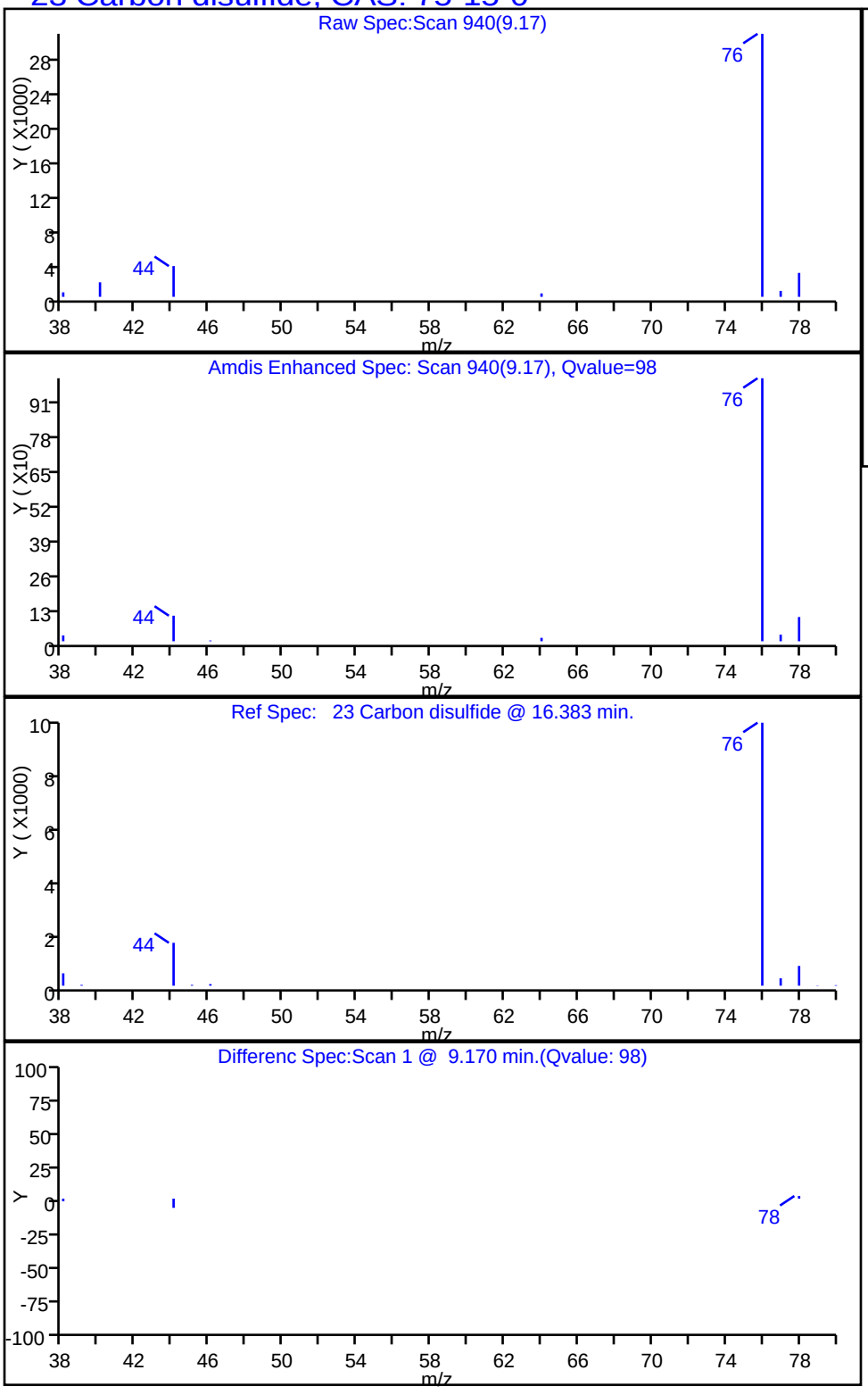


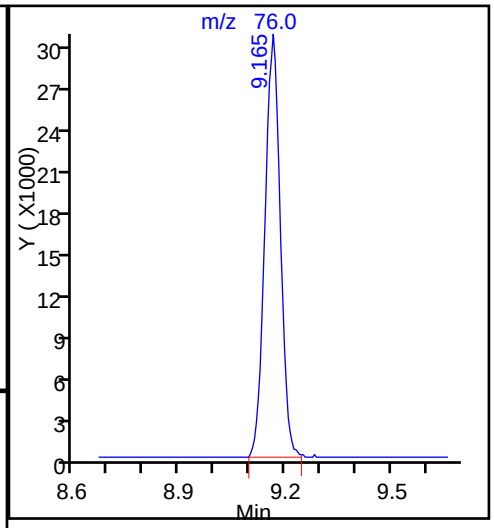


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 Carbon disulfide, CAS: 75-15-0

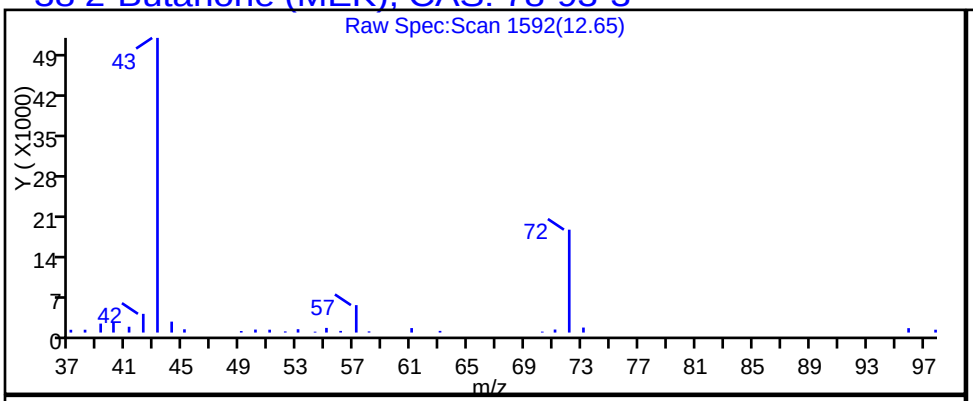


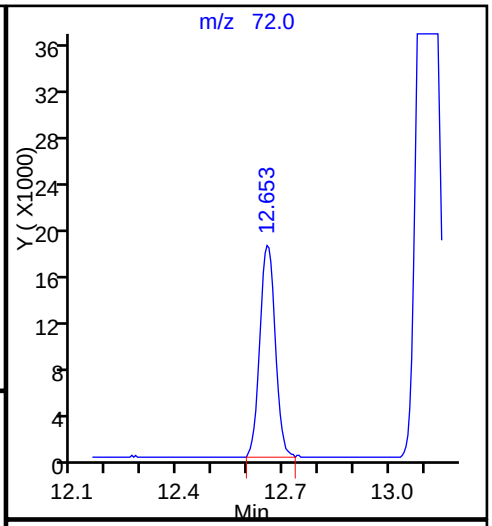


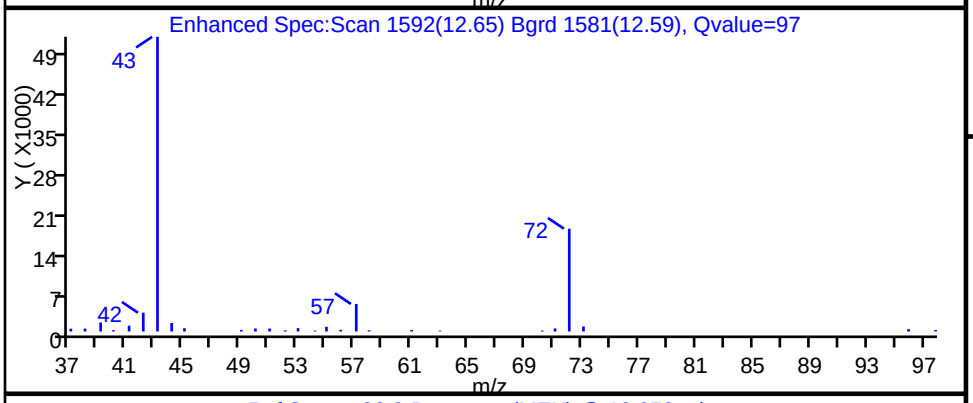
TestAmerica Burlington

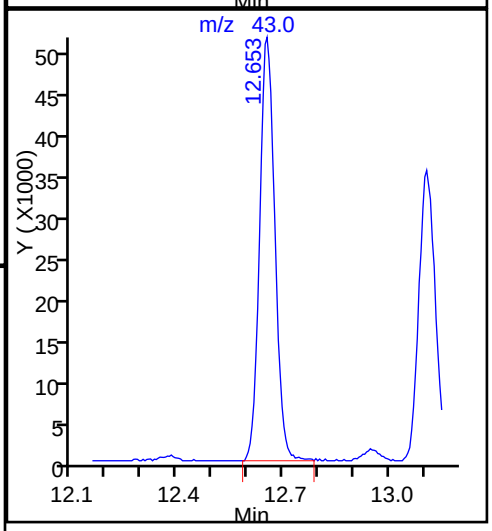
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

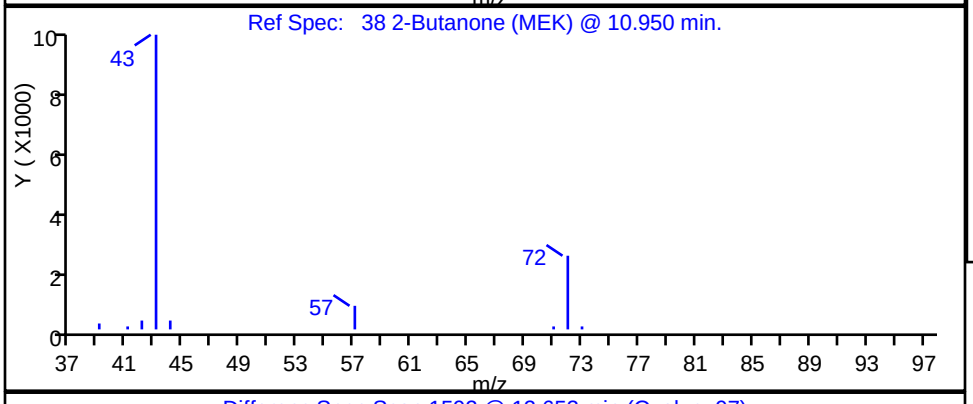
38 2-Butanone (MEK), CAS: 78-93-3

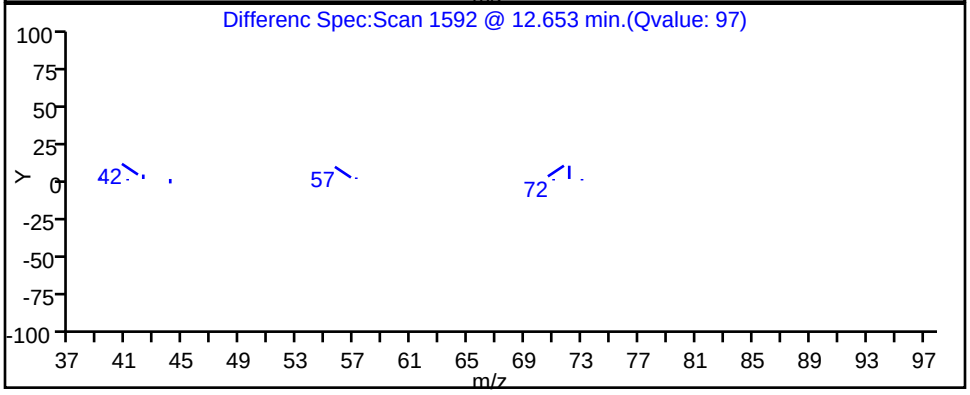








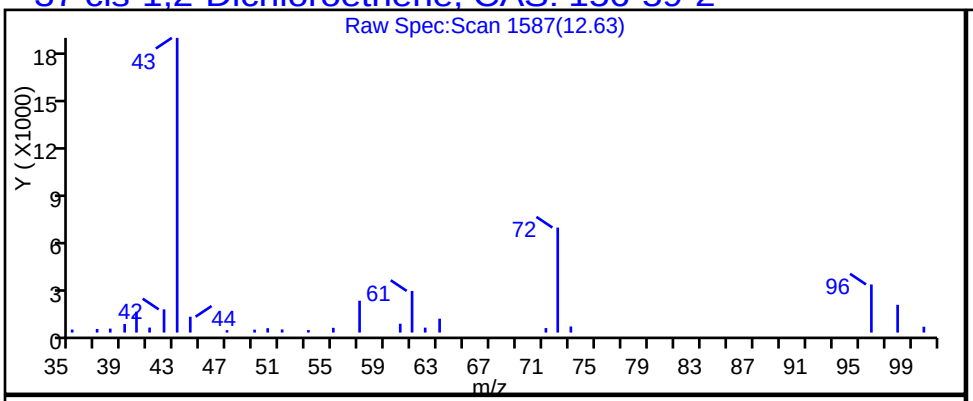


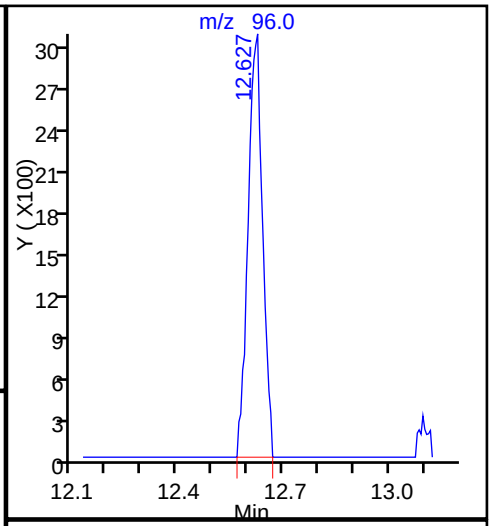


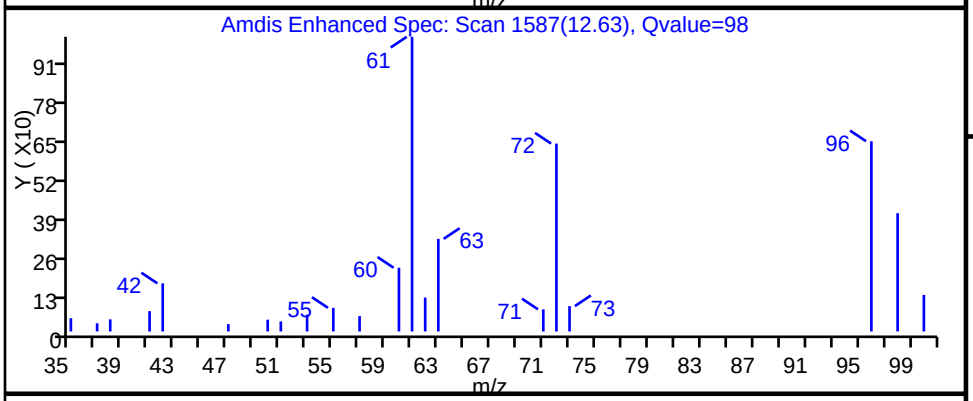
TestAmerica Burlington

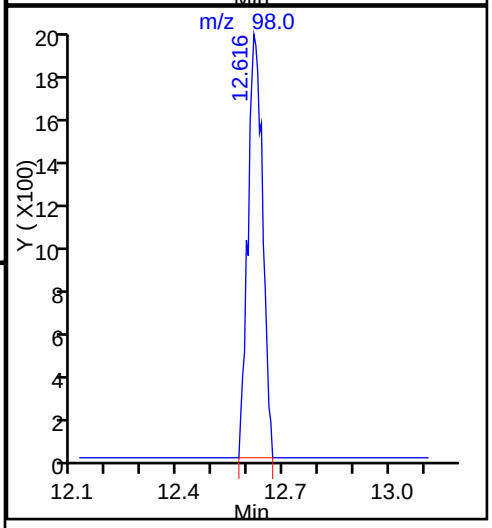
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

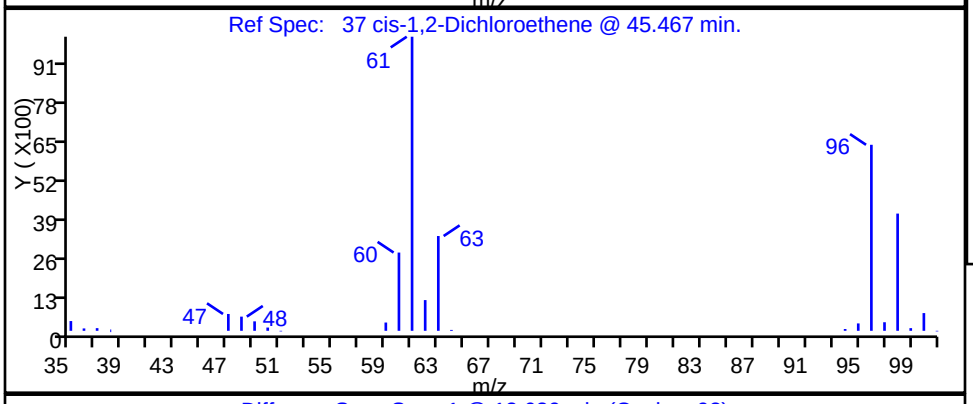
37 cis-1,2-Dichloroethene, CAS: 156-59-2

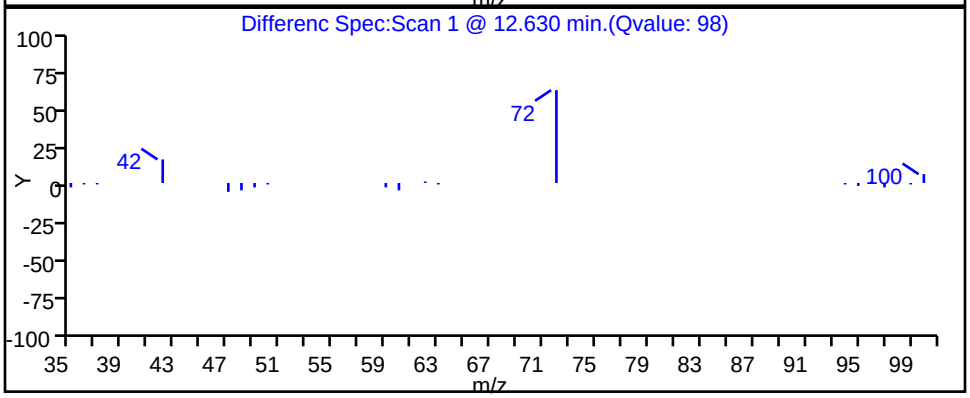








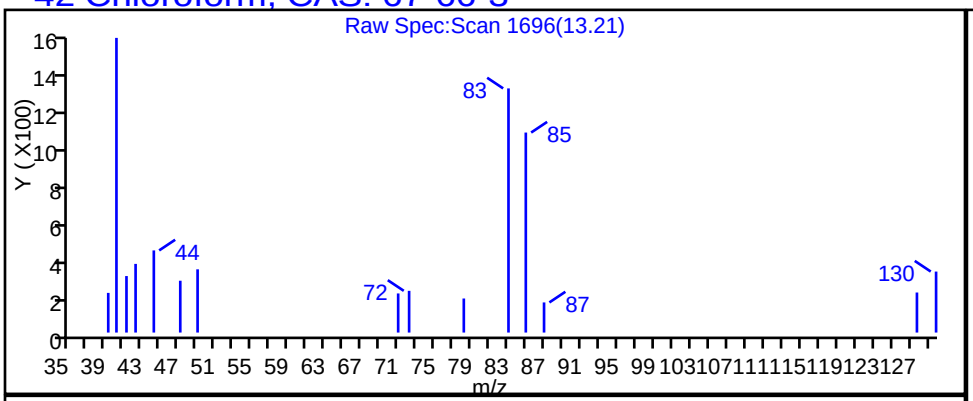


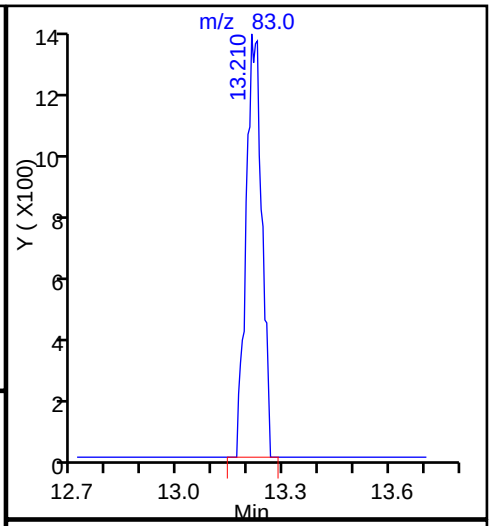


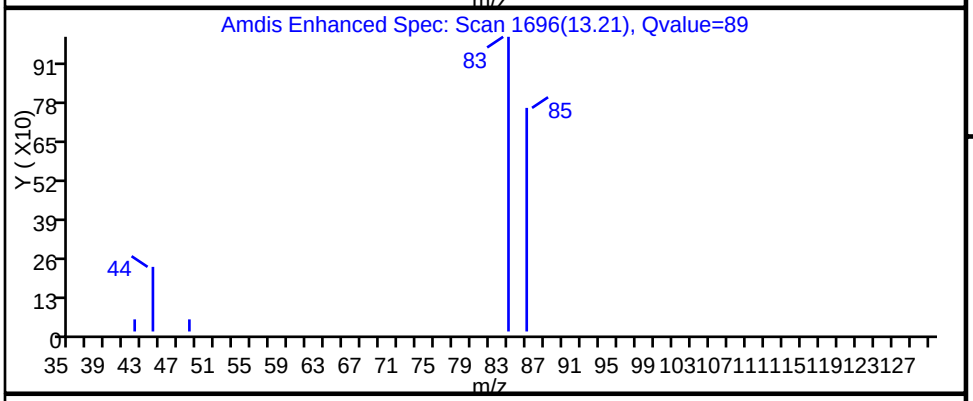
TestAmerica Burlington

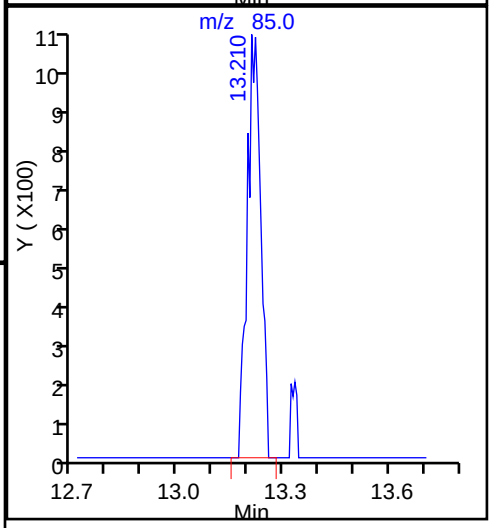
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

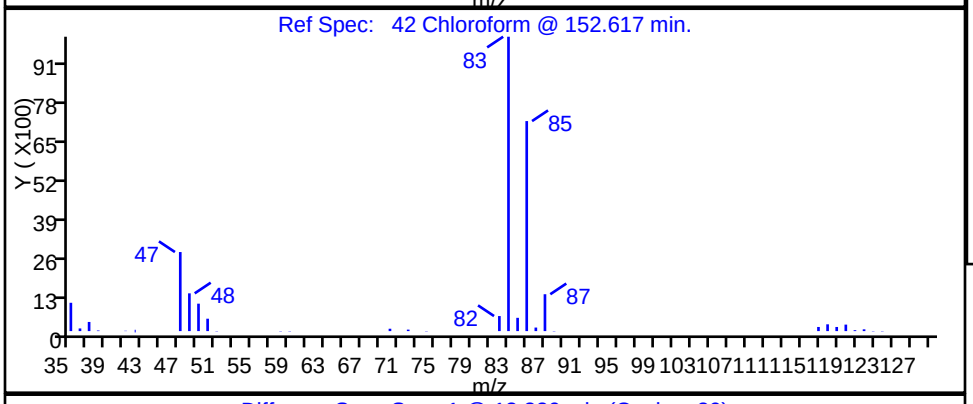
42 Chloroform, CAS: 67-66-3

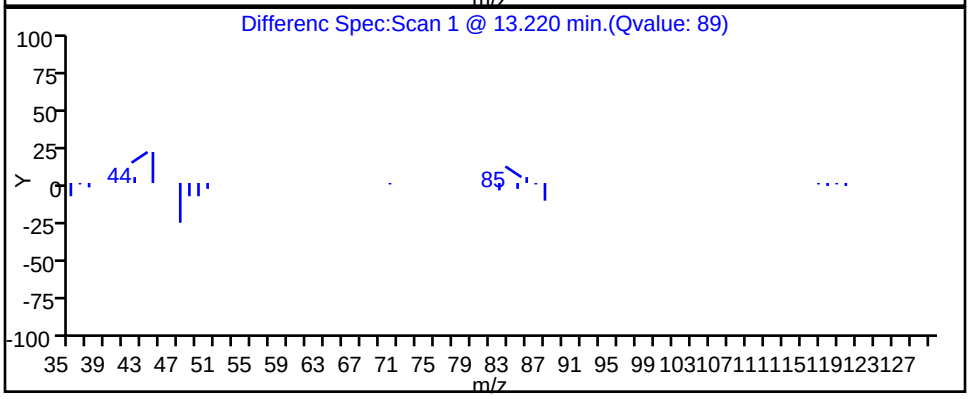








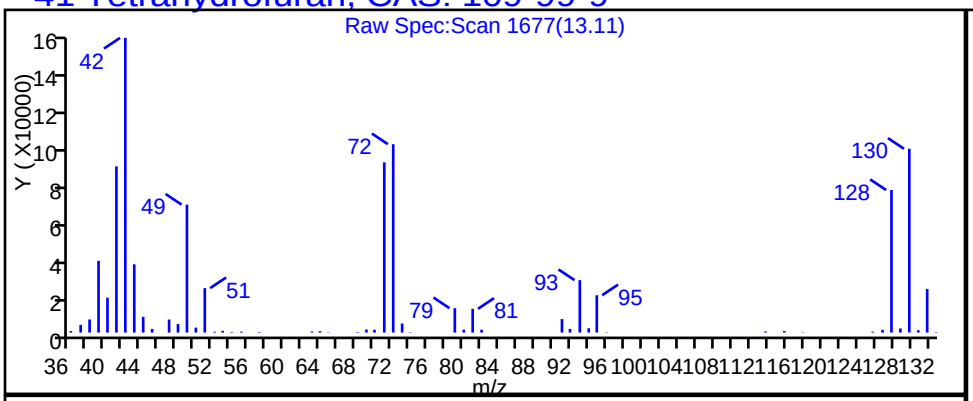


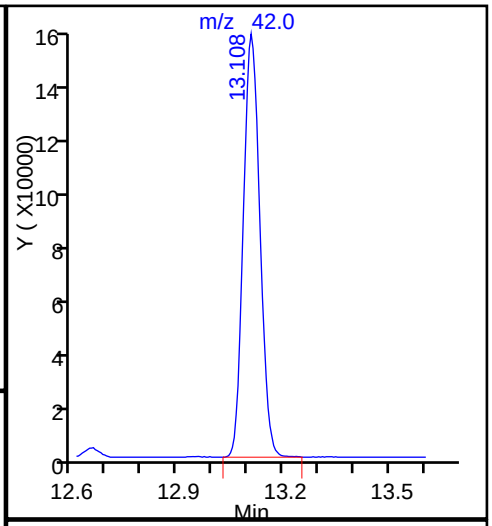


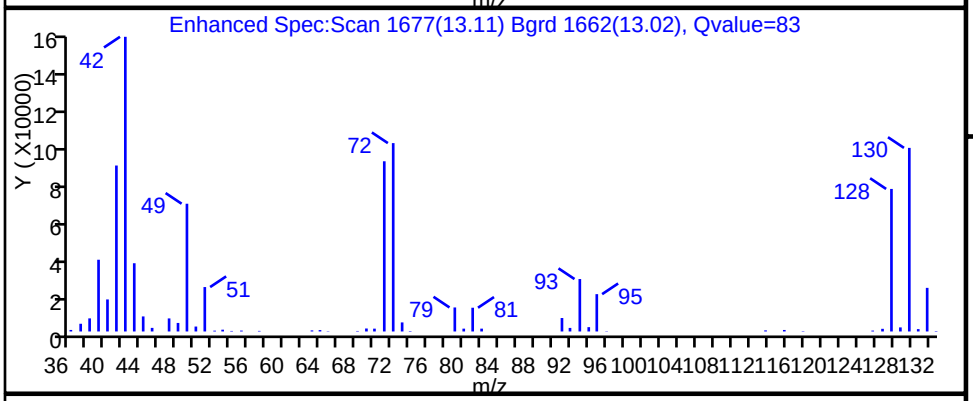
TestAmerica Burlington

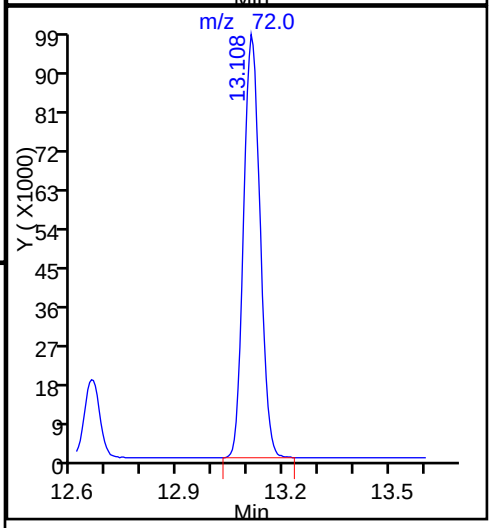
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

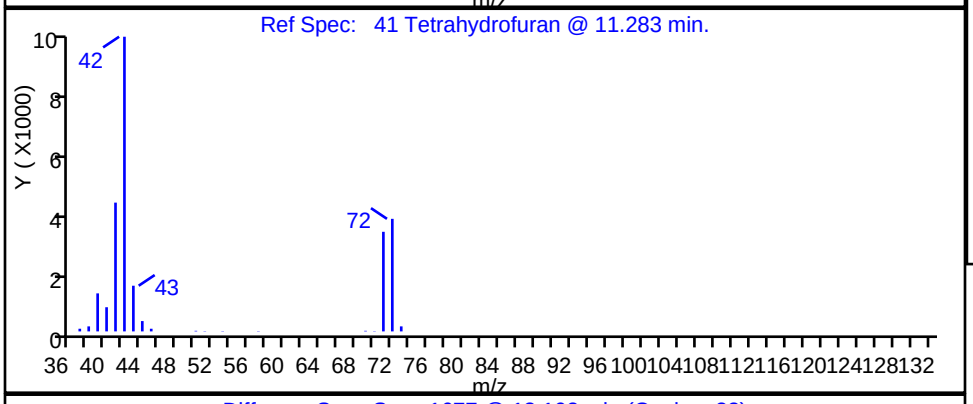
41 Tetrahydrofuran, CAS: 109-99-9

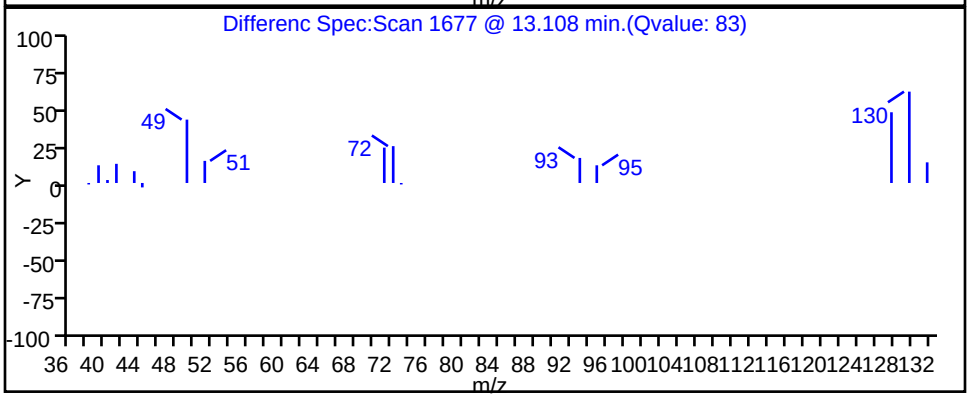








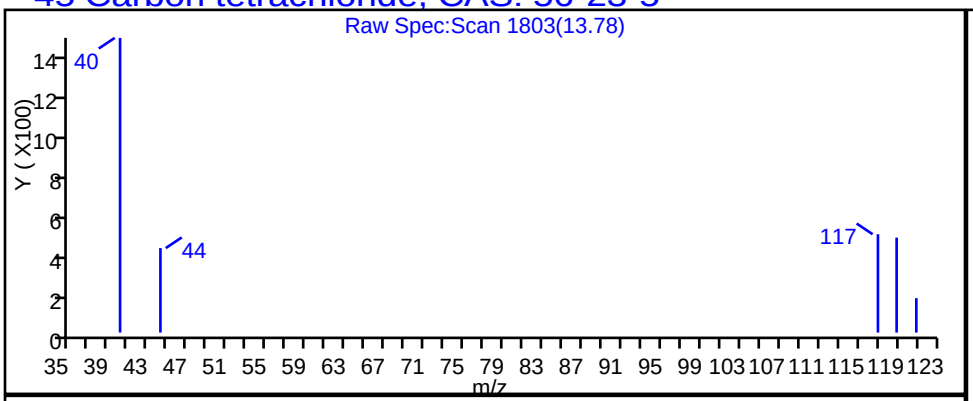


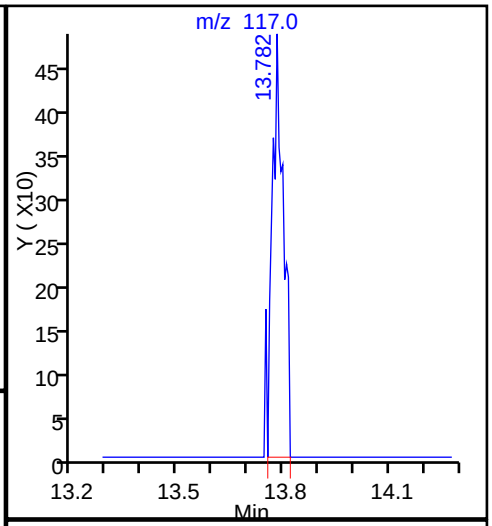


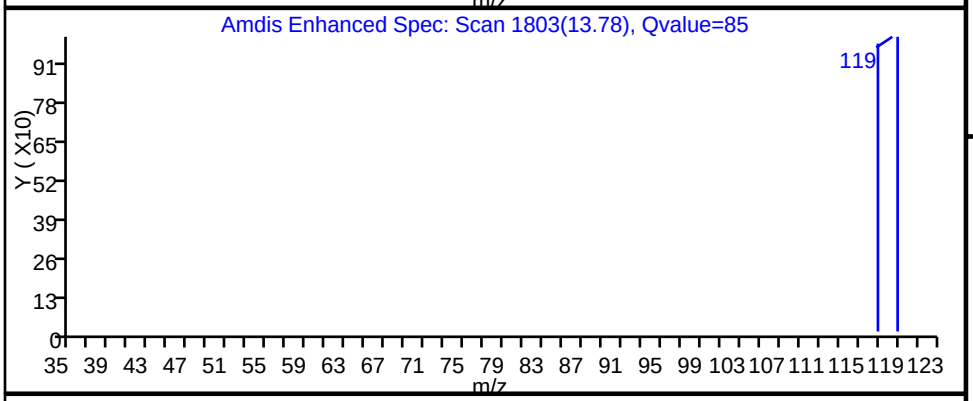
TestAmerica Burlington

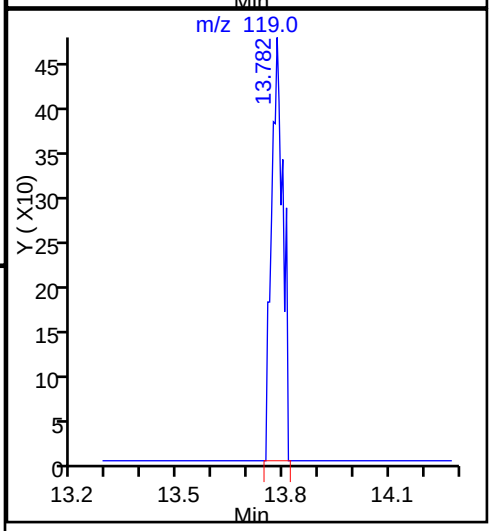
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

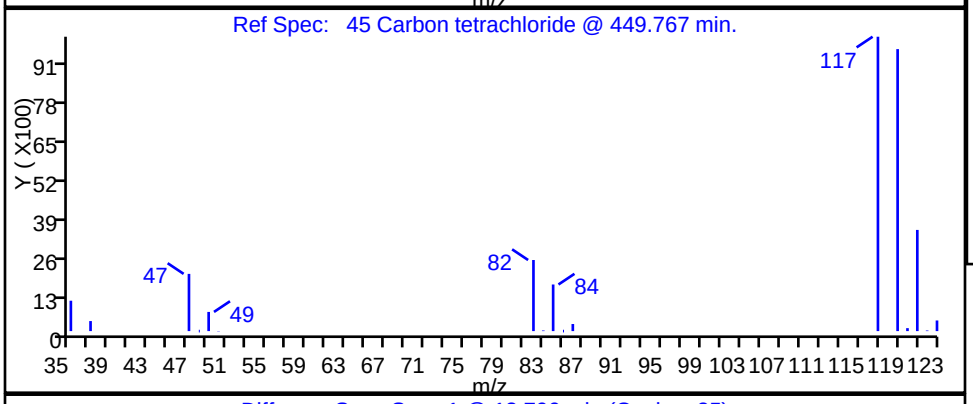
45 Carbon tetrachloride, CAS: 56-23-5

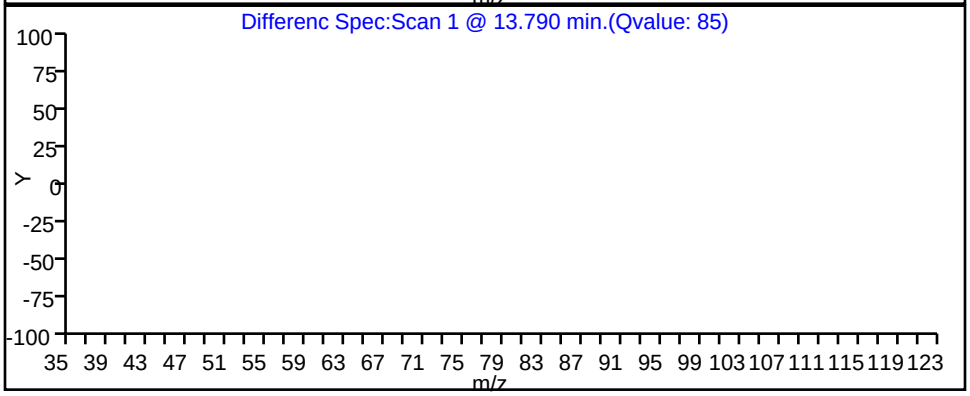








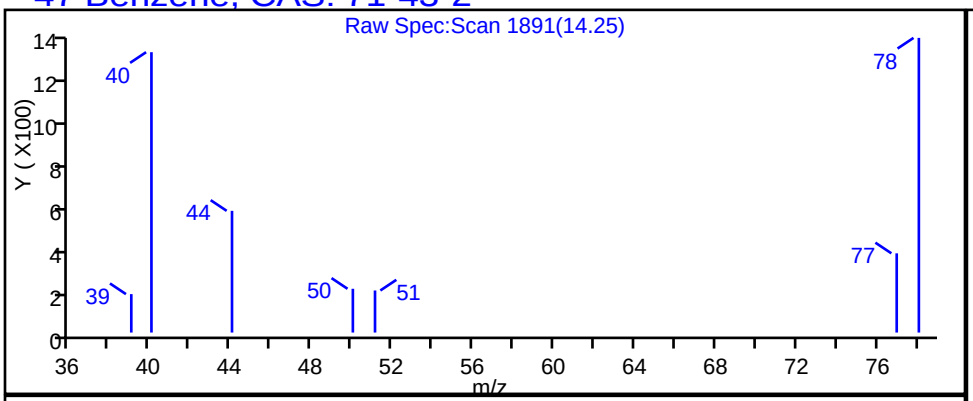


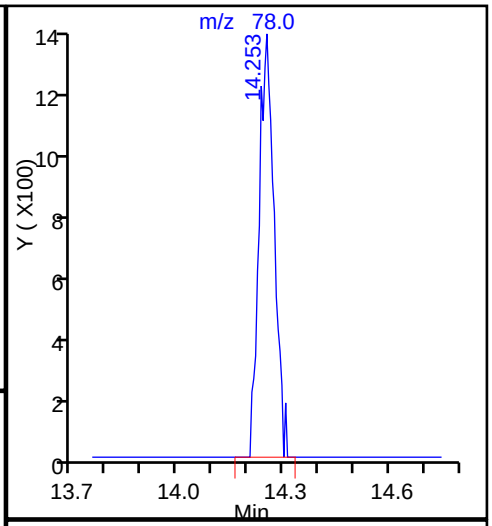


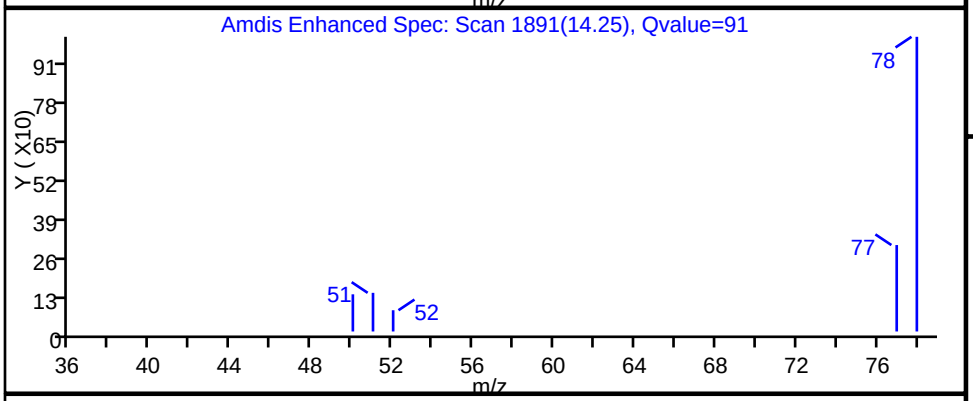
TestAmerica Burlington

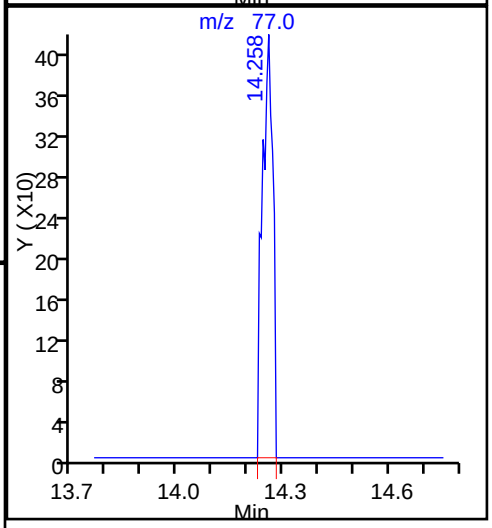
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

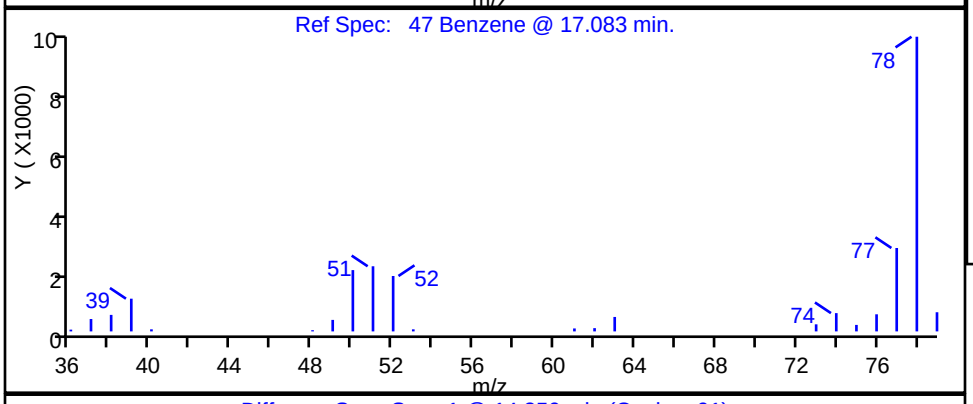
47 Benzene, CAS: 71-43-2

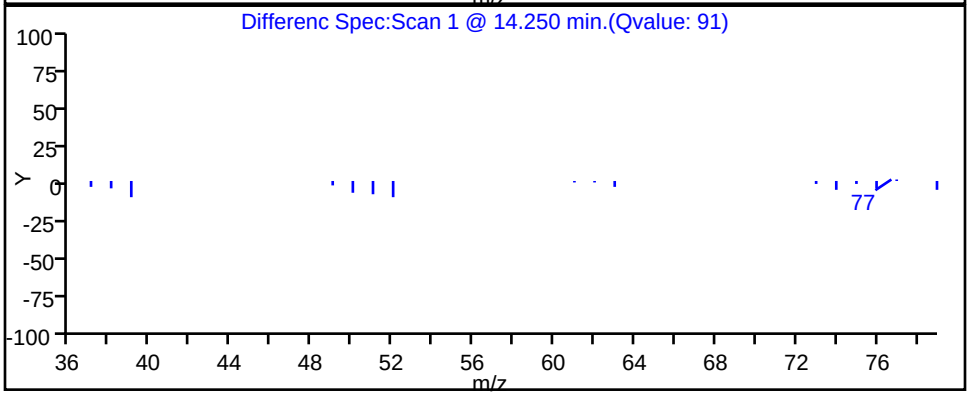








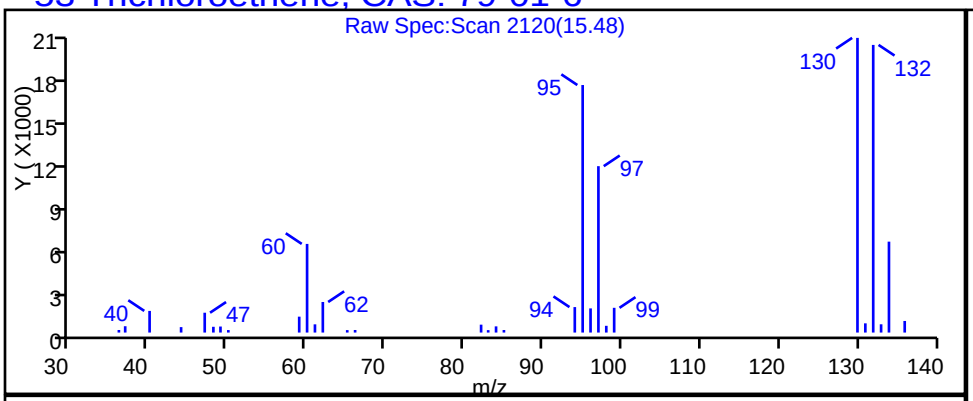


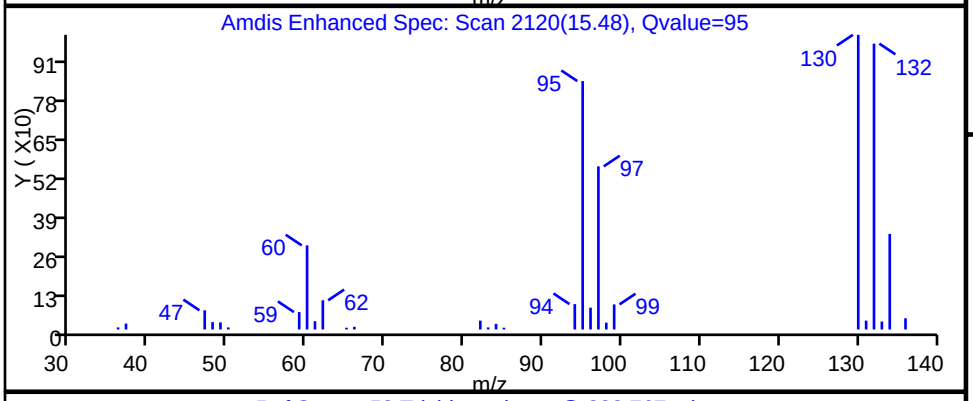


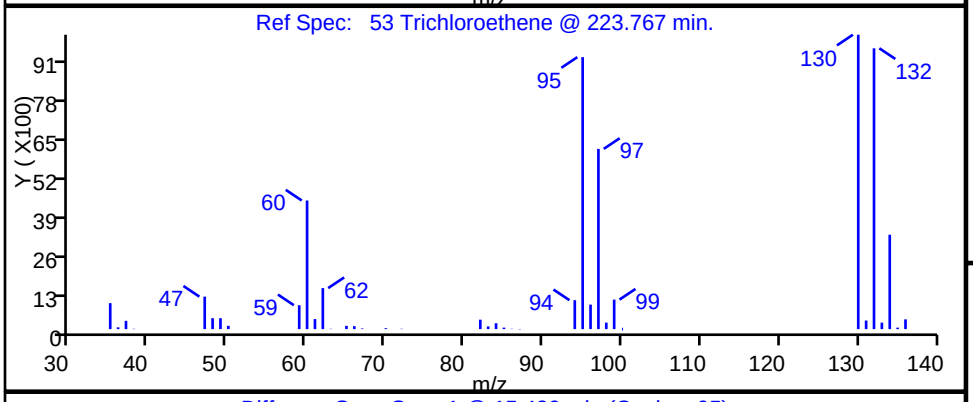
TestAmerica Burlington

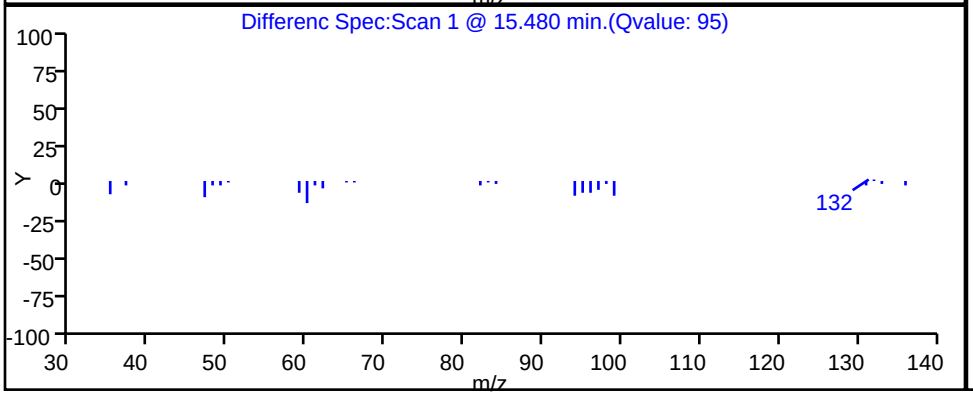
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

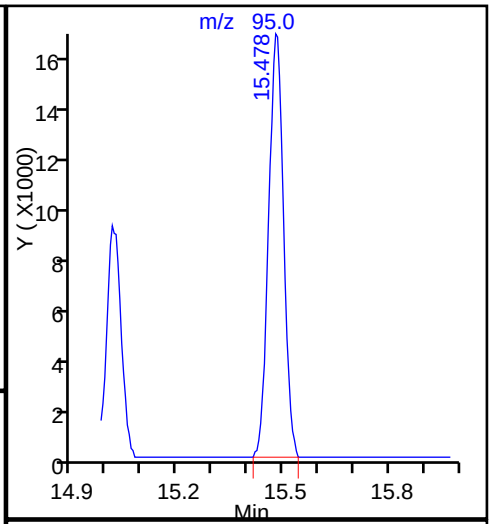
53 Trichloroethene, CAS: 79-01-6

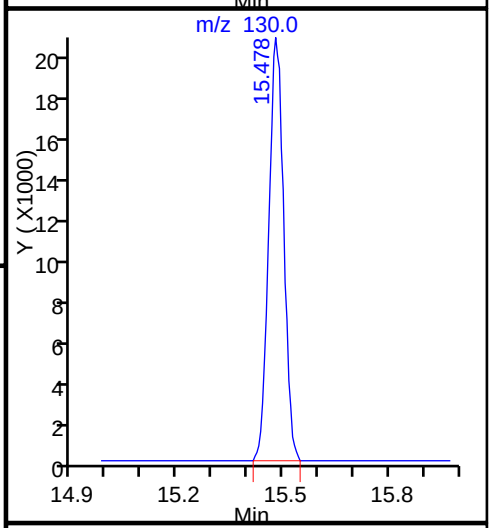


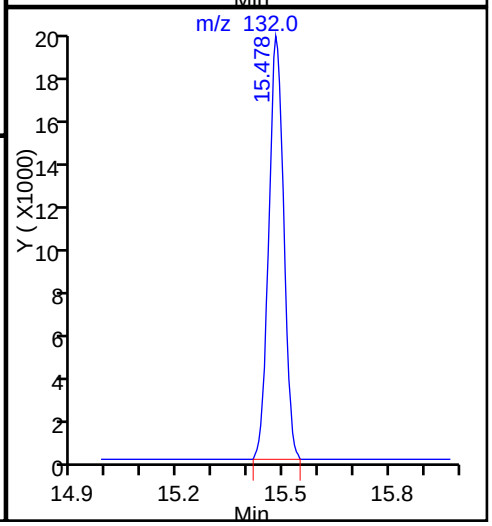








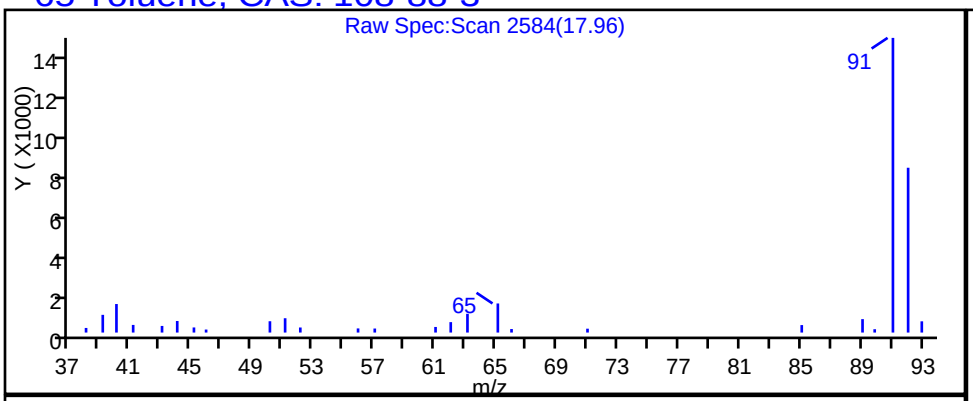


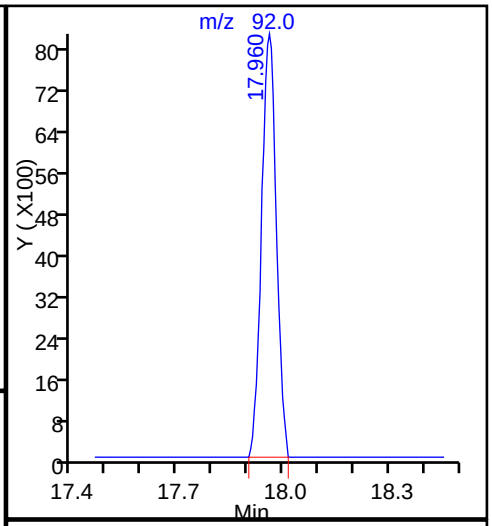


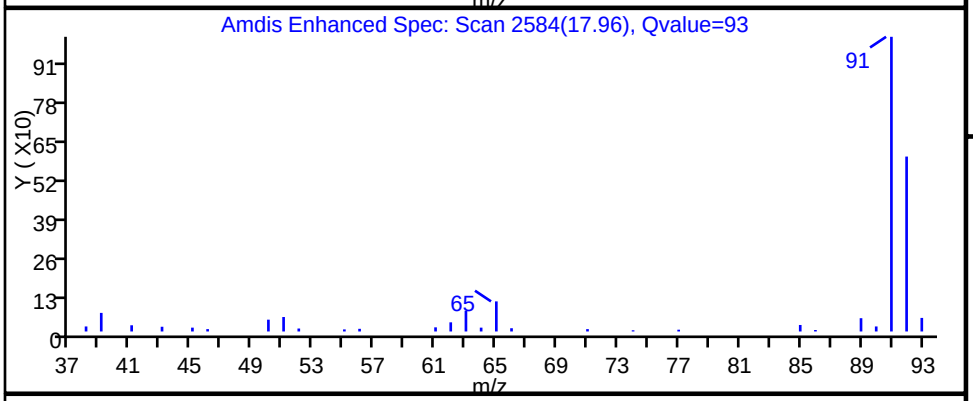
TestAmerica Burlington

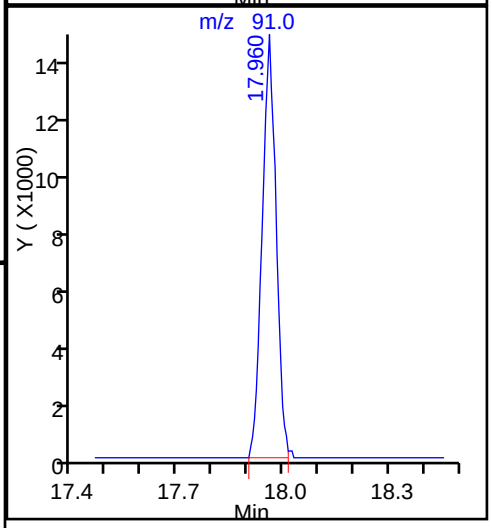
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

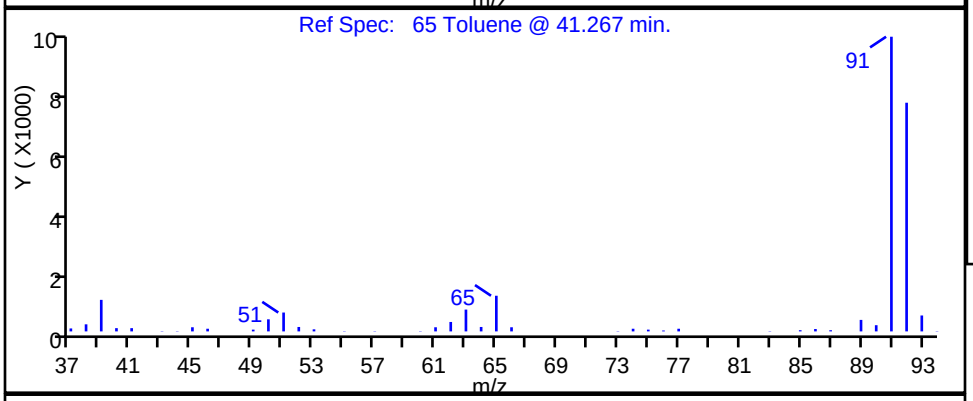
65 Toluene, CAS: 108-88-3

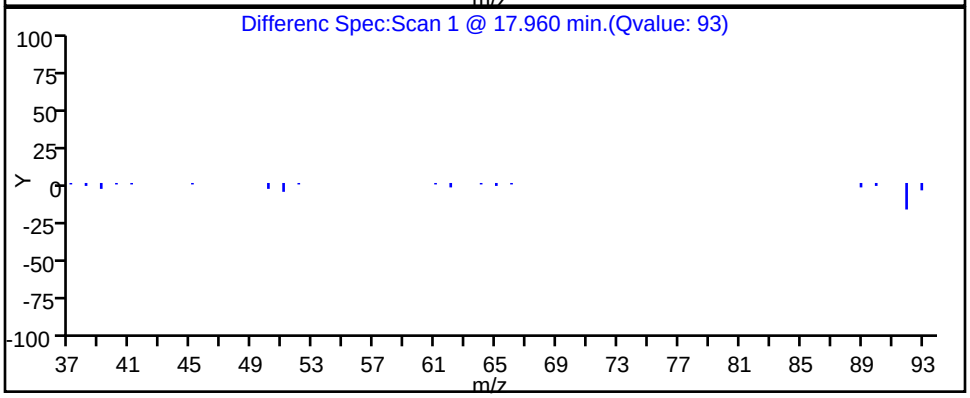






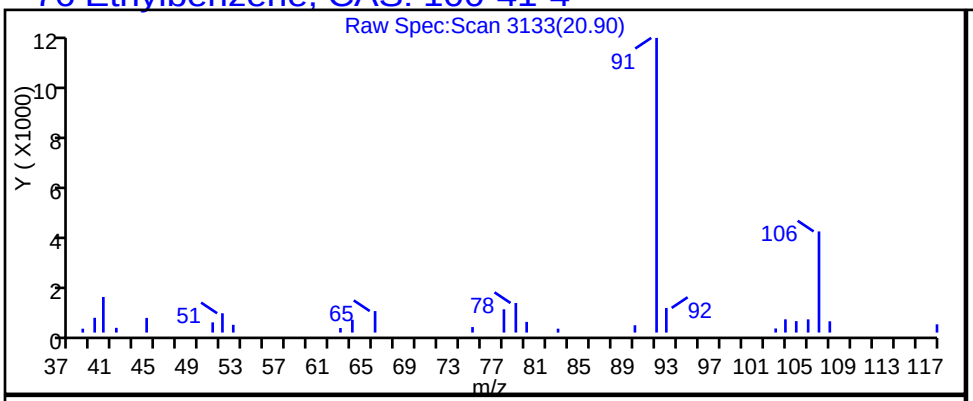


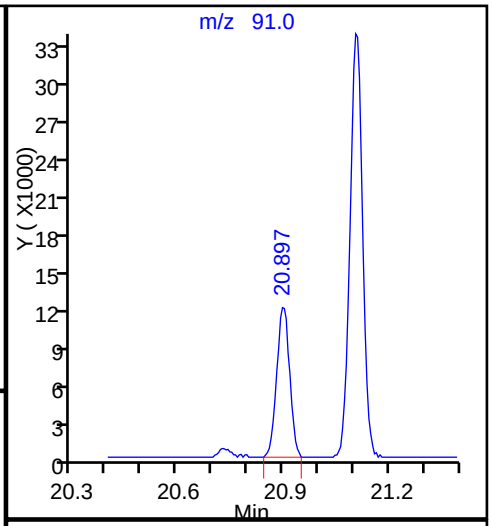


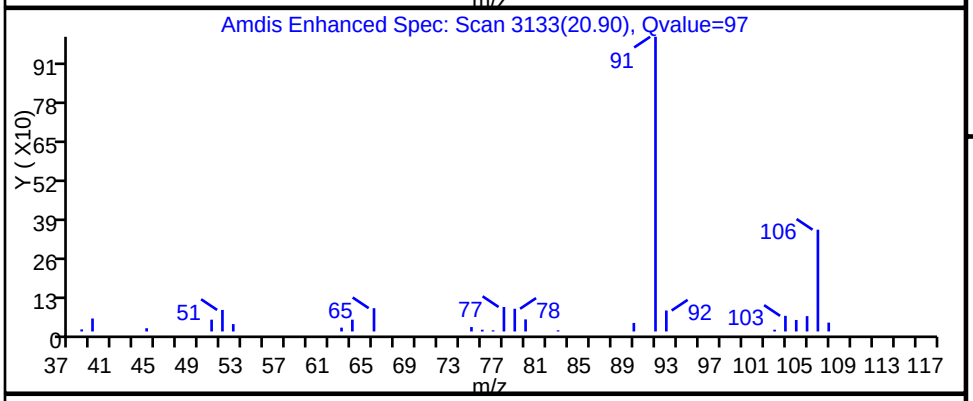


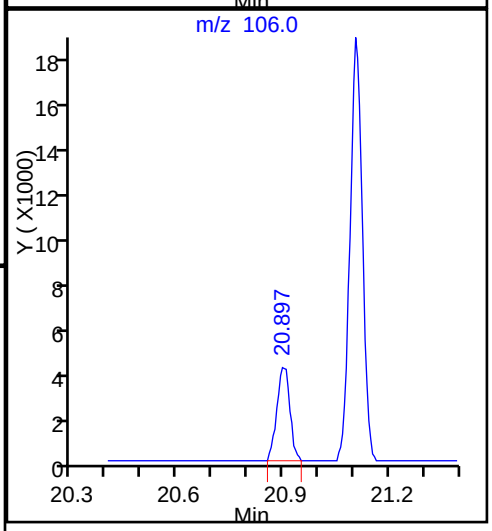
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d
Injection Date: 11-Sep-2015 07:59:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-21 Lab Sample ID: 200-29580-21
Client ID: 785VMP0401PA
Operator ID: wrd ALS Bottle#: 5 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

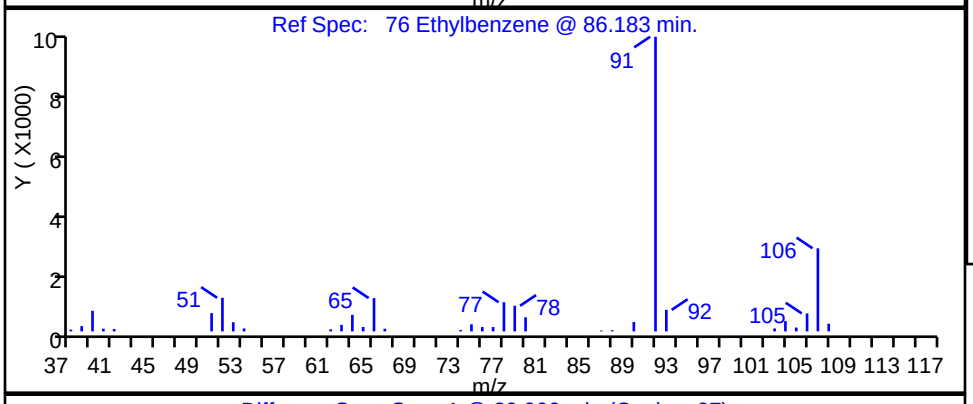
76 Ethylbenzene, CAS: 100-41-4

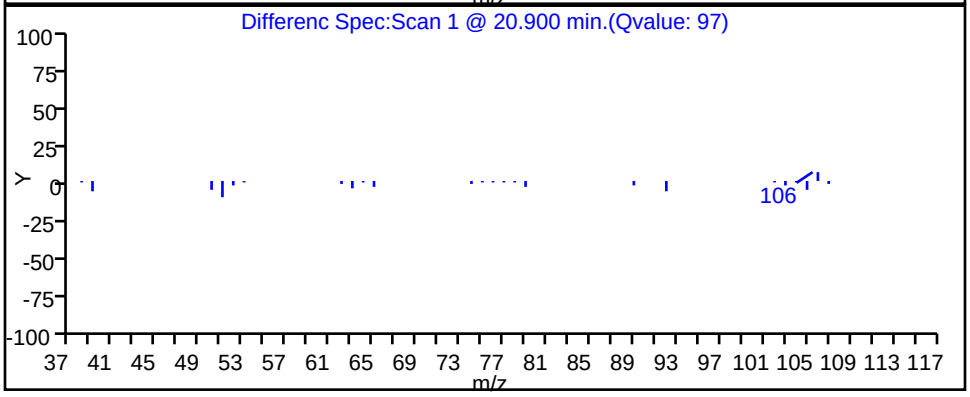






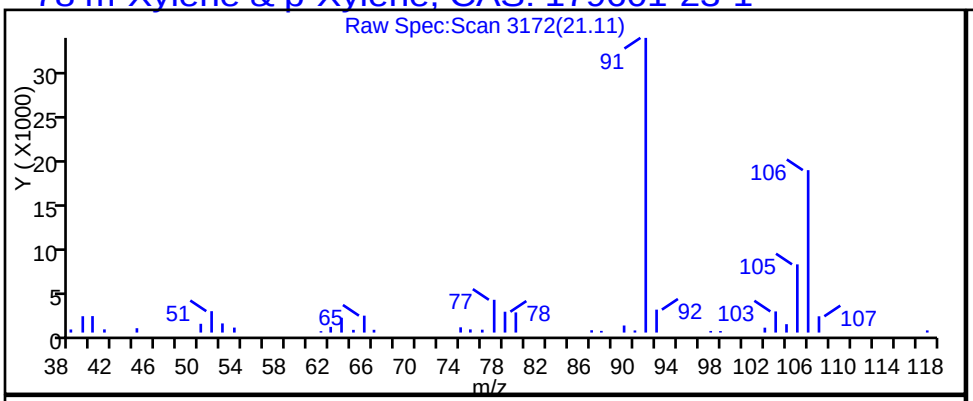


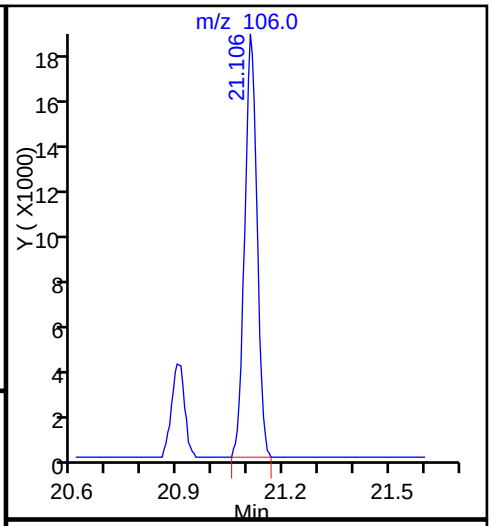


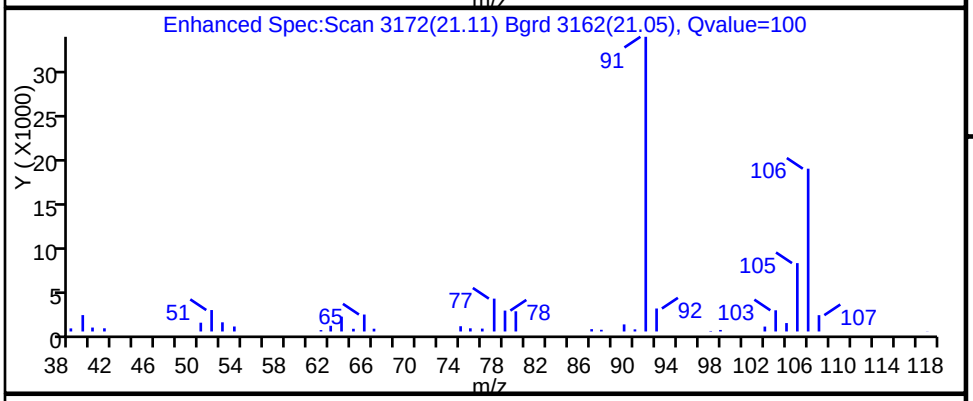


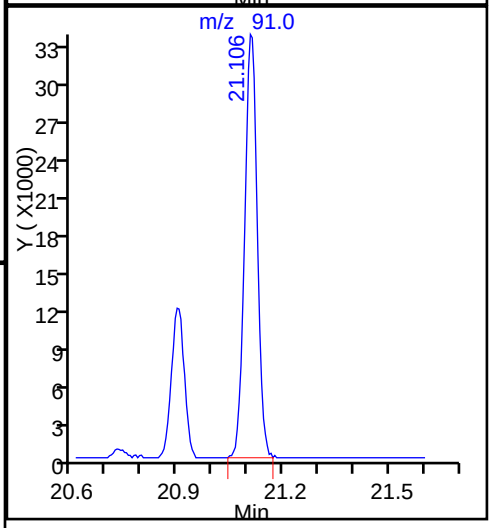
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

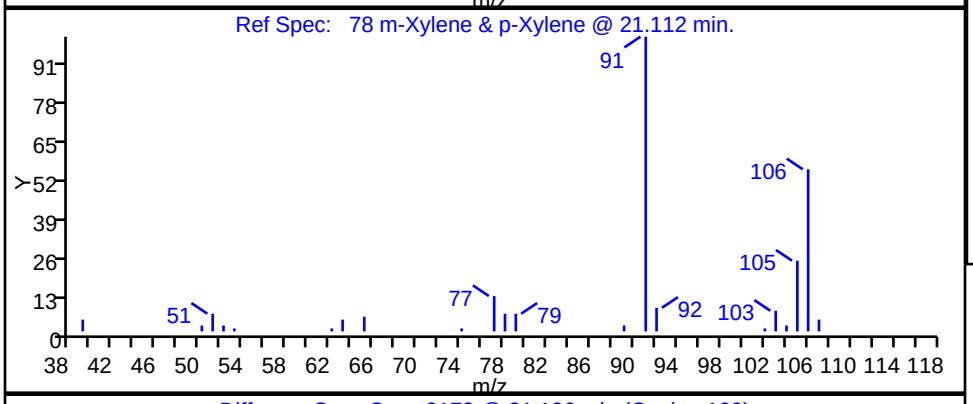
78 m-Xylene & p-Xylene, CAS: 179601-23-1

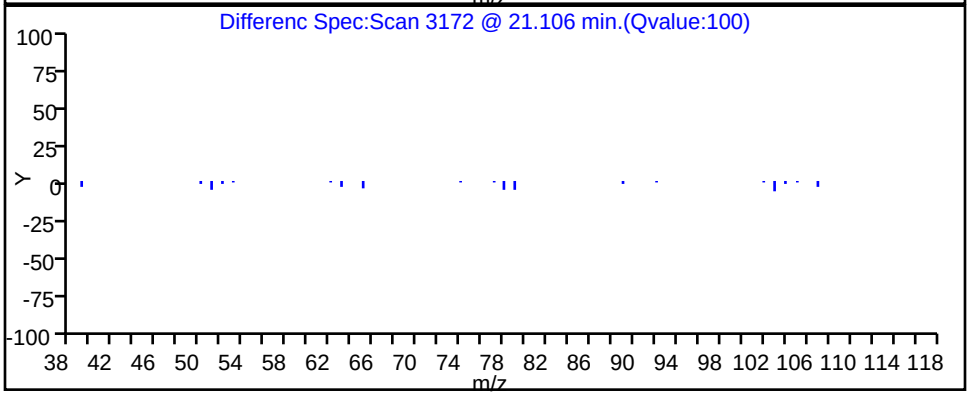








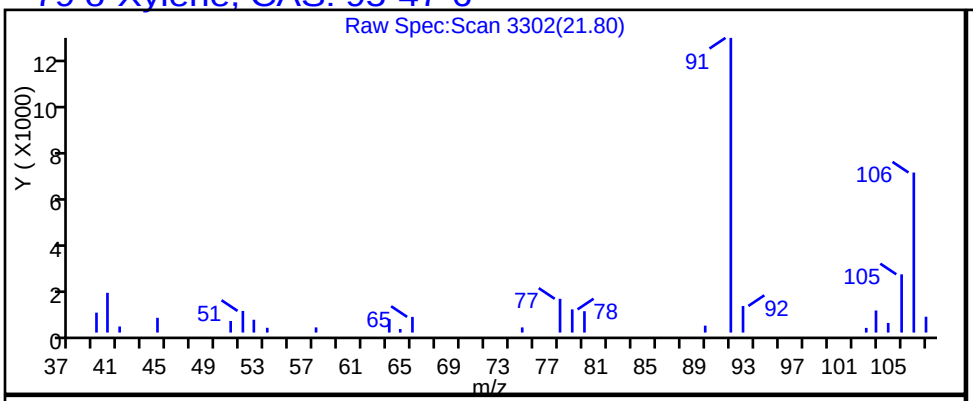


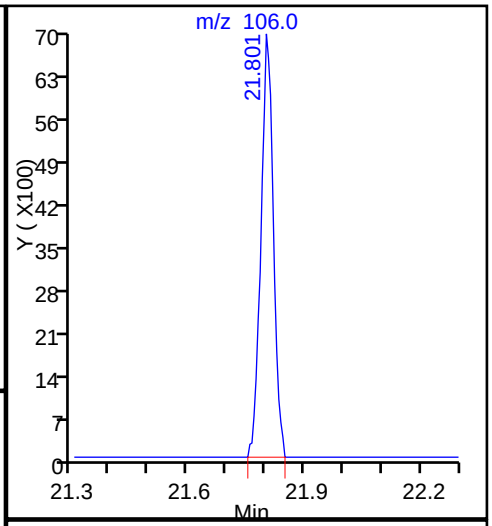


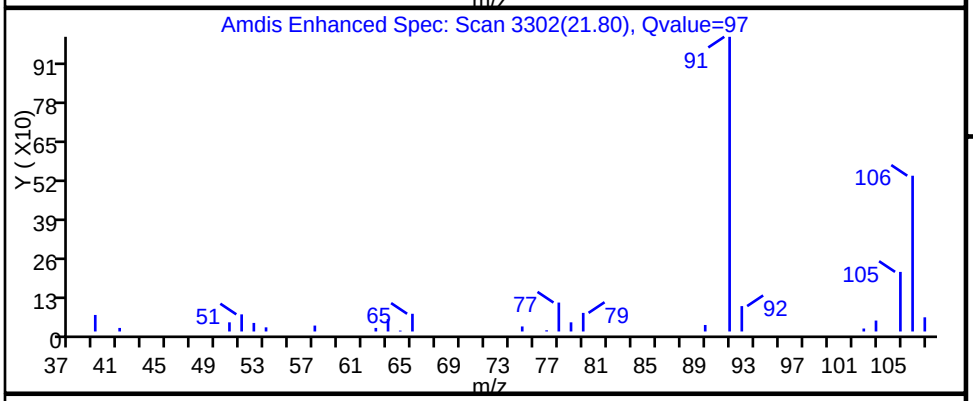
TestAmerica Burlington

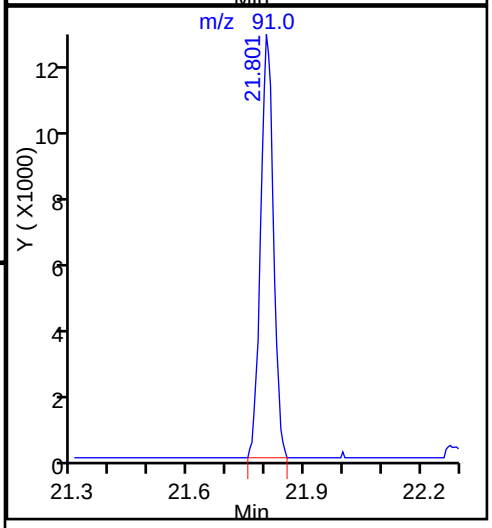
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

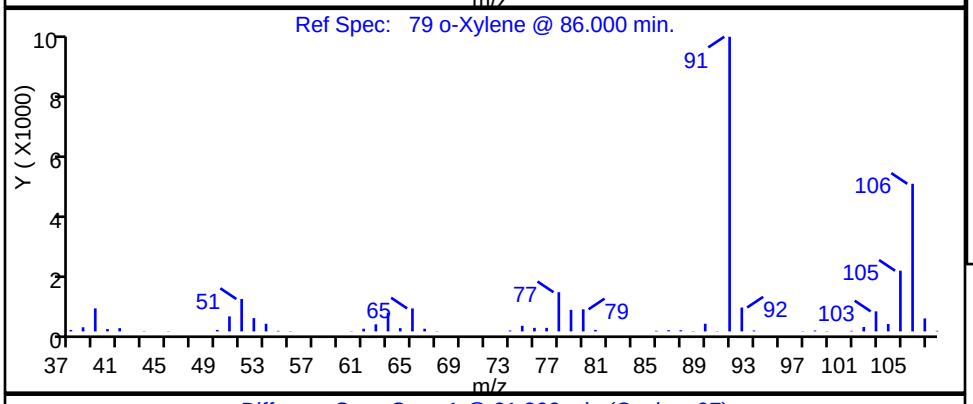
79 o-Xylene, CAS: 95-47-6

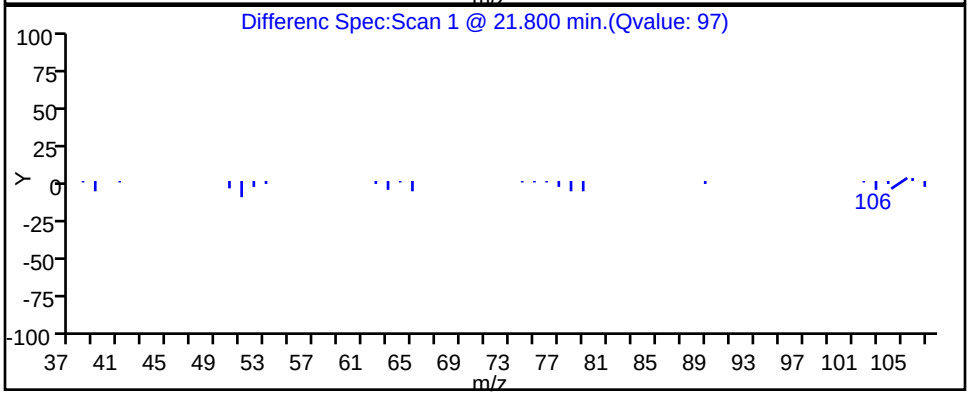








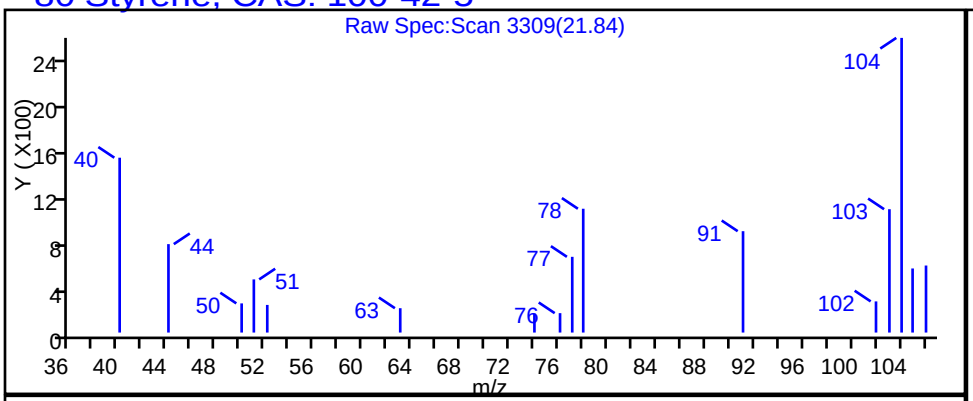


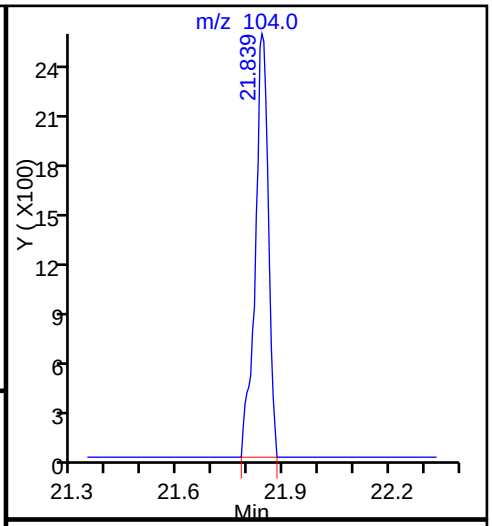


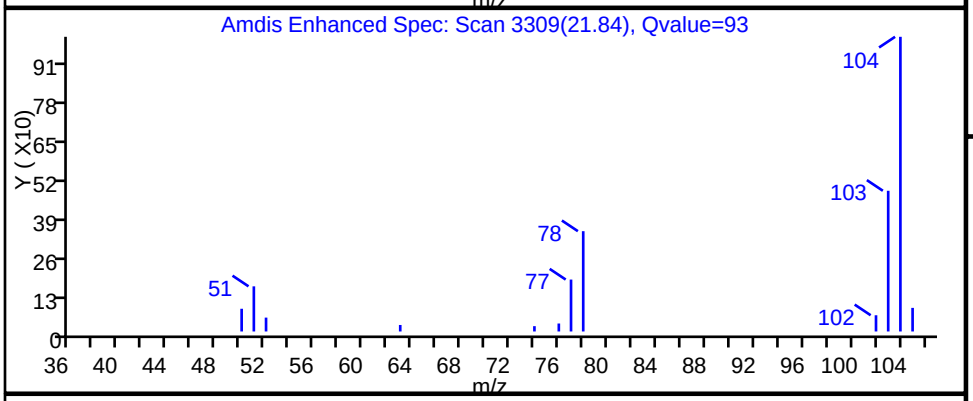
TestAmerica Burlington

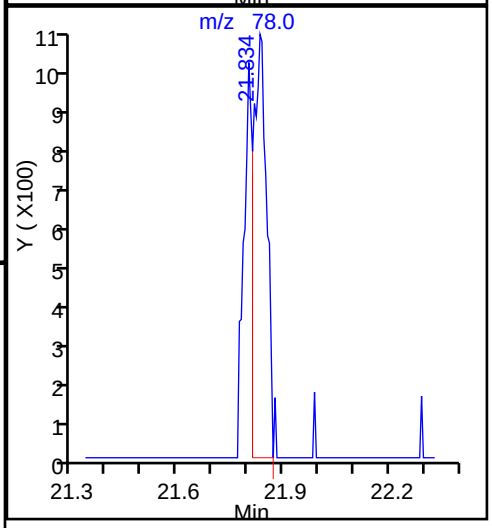
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

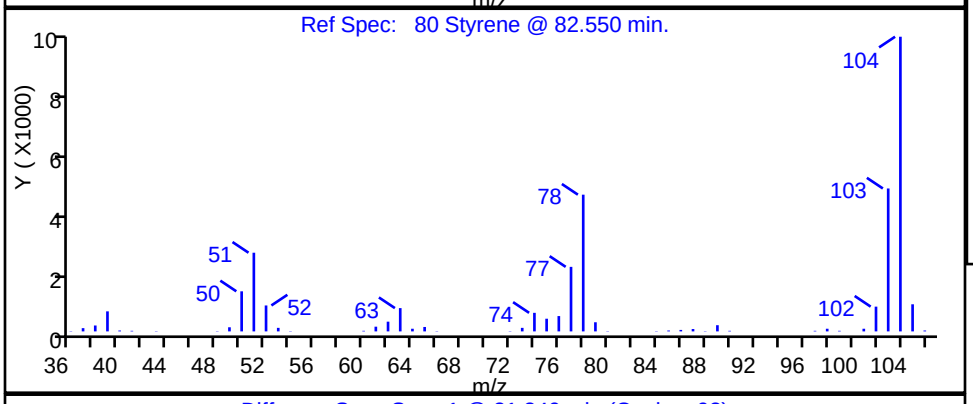
80 Styrene, CAS: 100-42-5

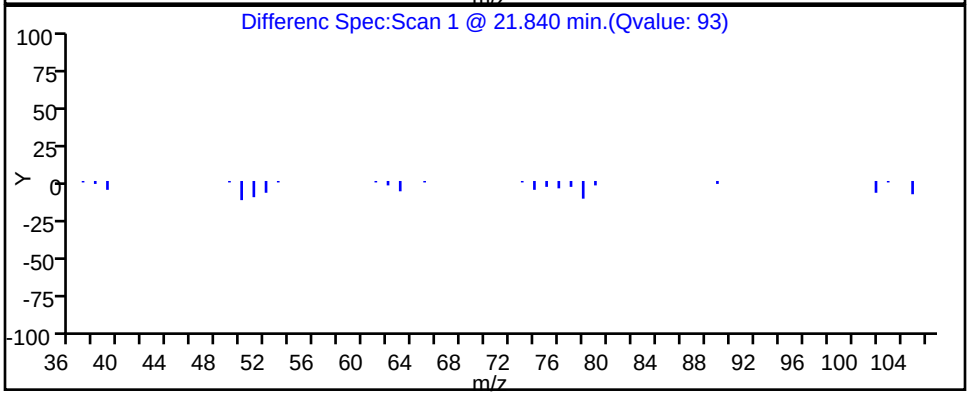








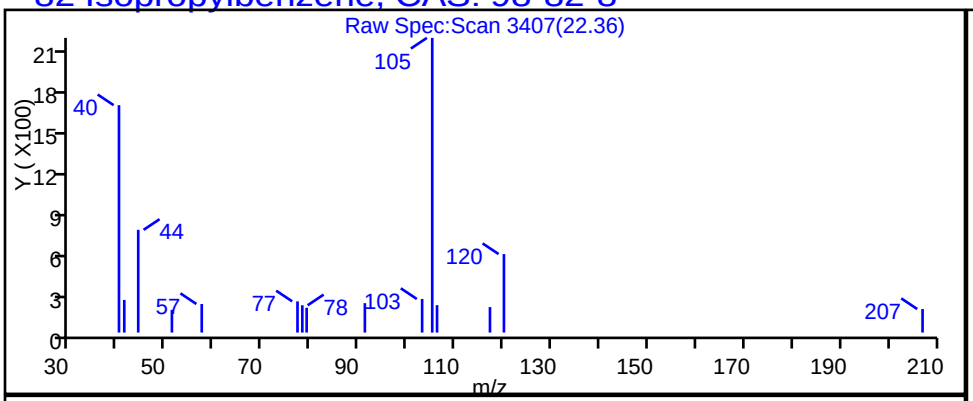


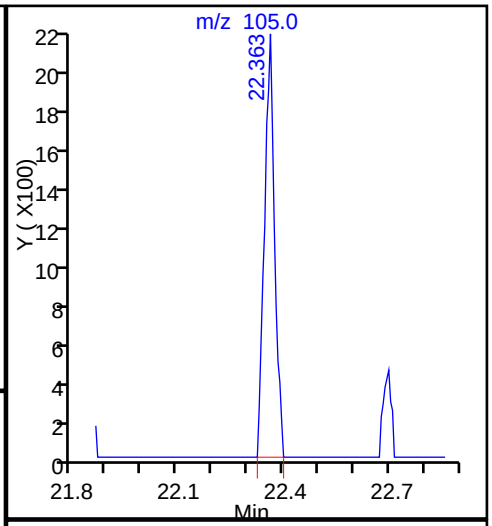


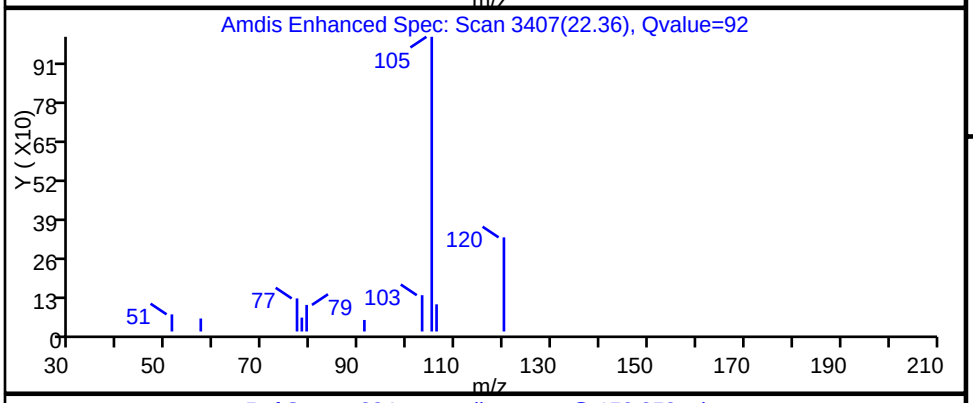
TestAmerica Burlington

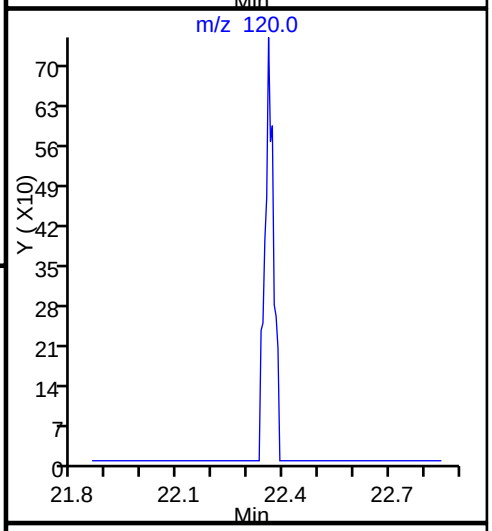
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

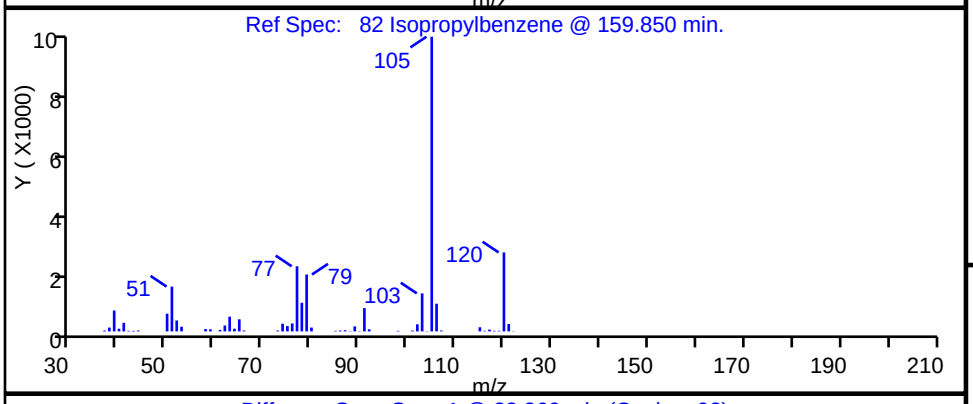
82 Isopropylbenzene, CAS: 98-82-8

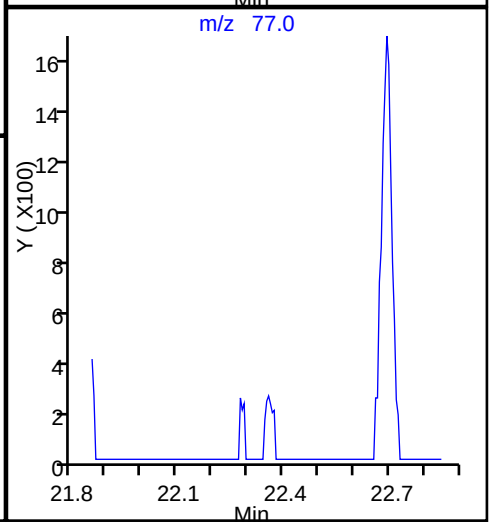


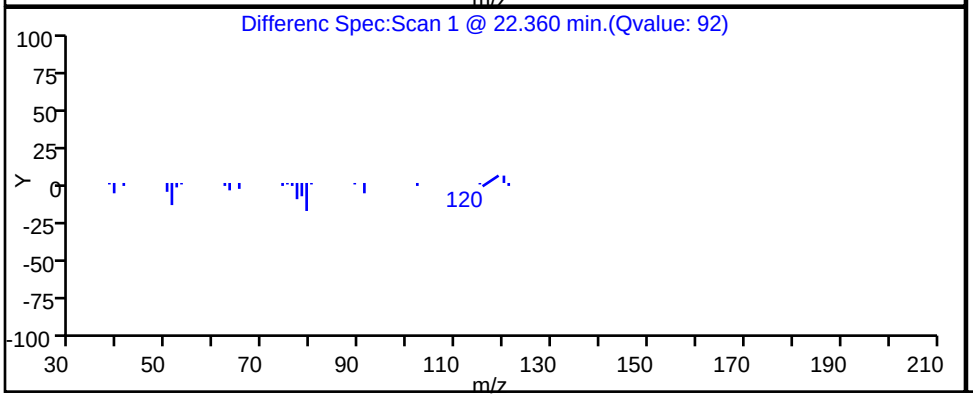








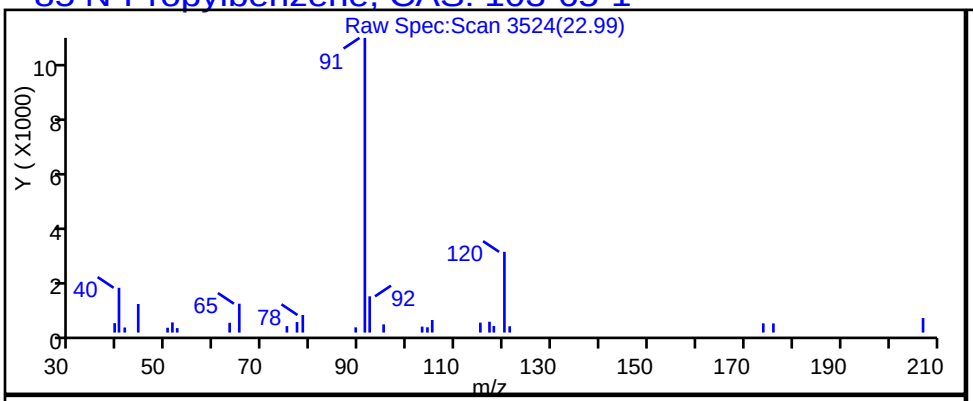


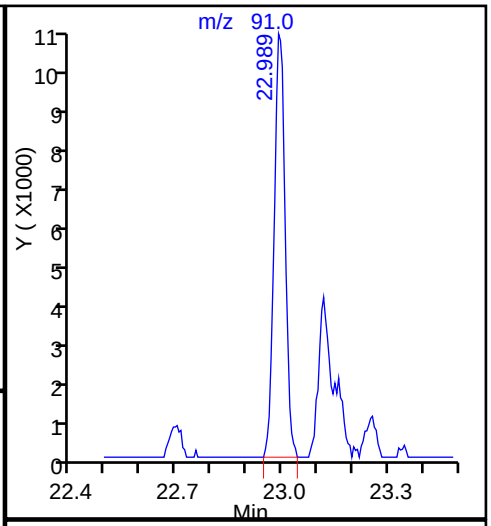


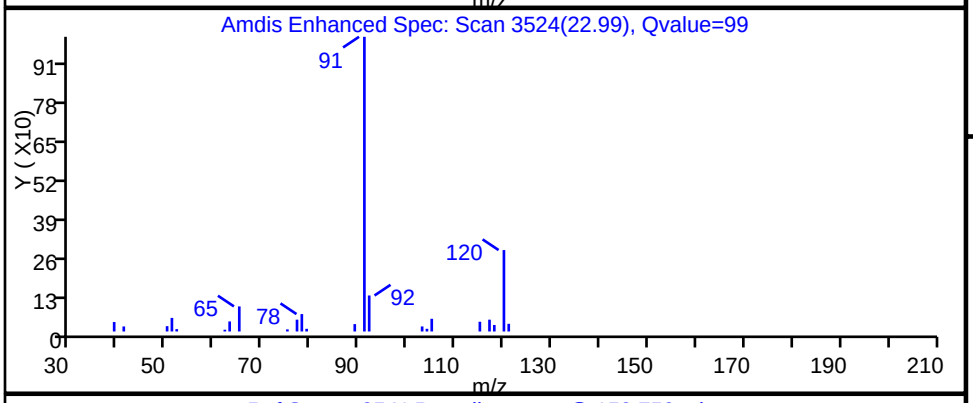
TestAmerica Burlington

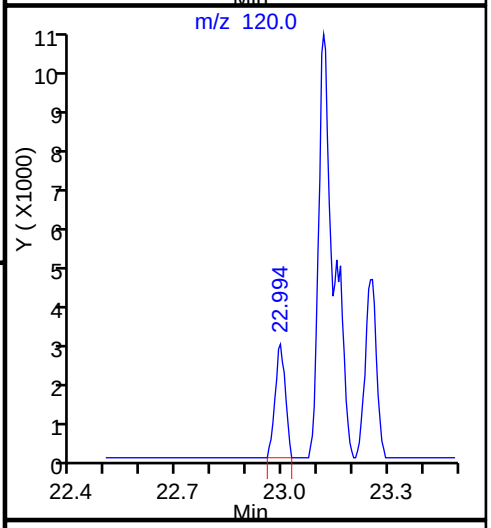
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

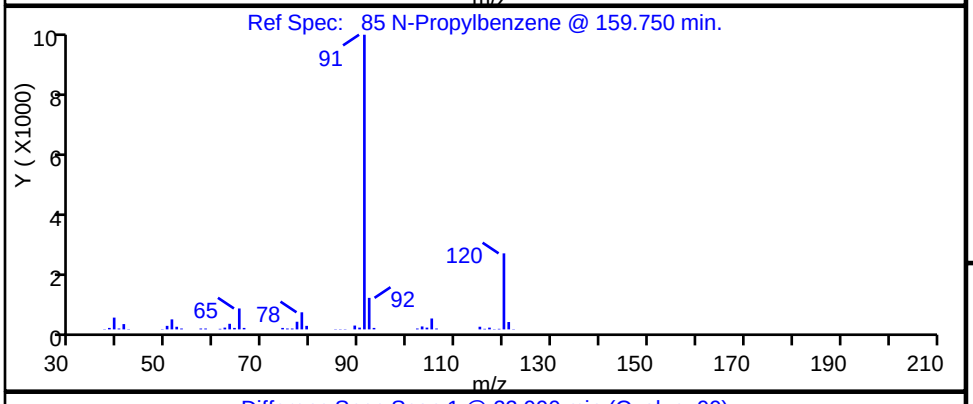
85 N-Propylbenzene, CAS: 103-65-1

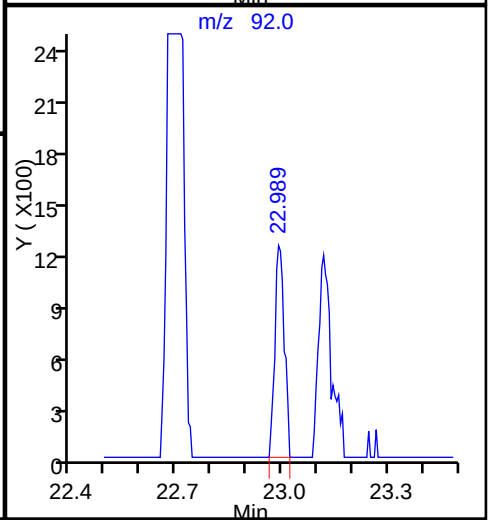


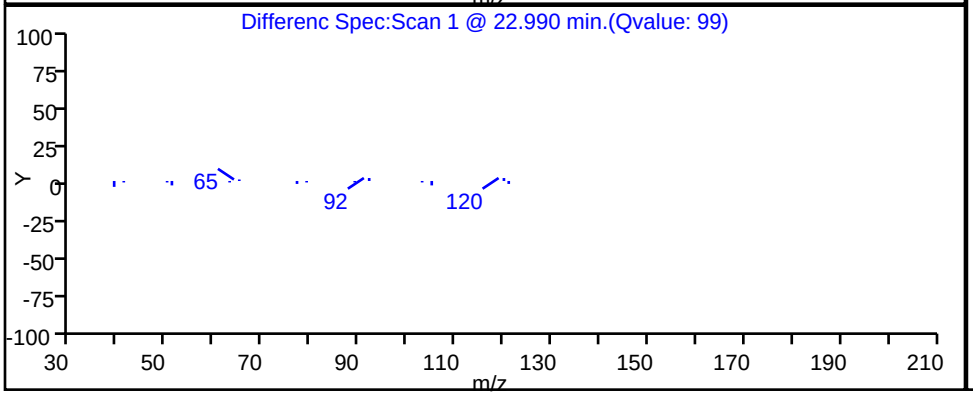








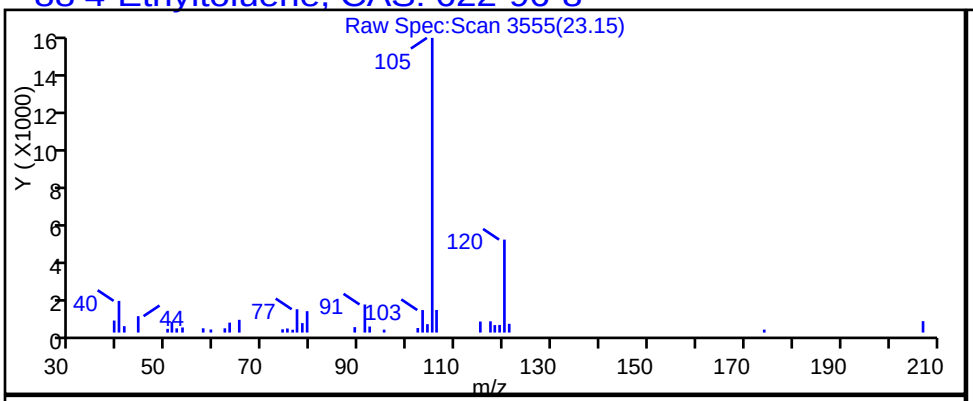


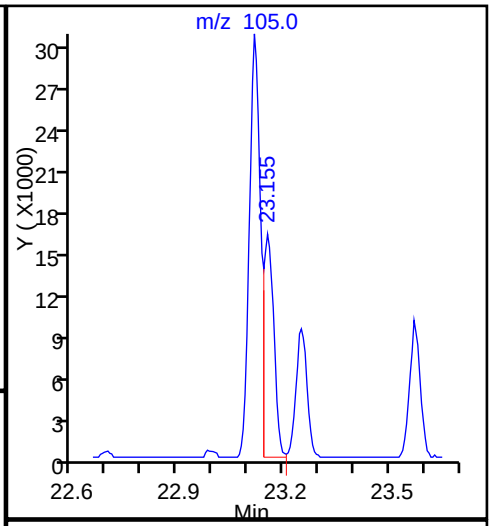


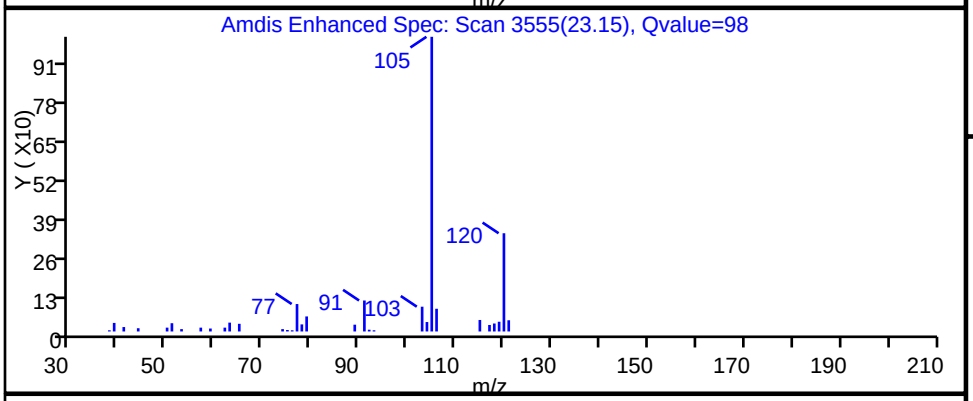
TestAmerica Burlington

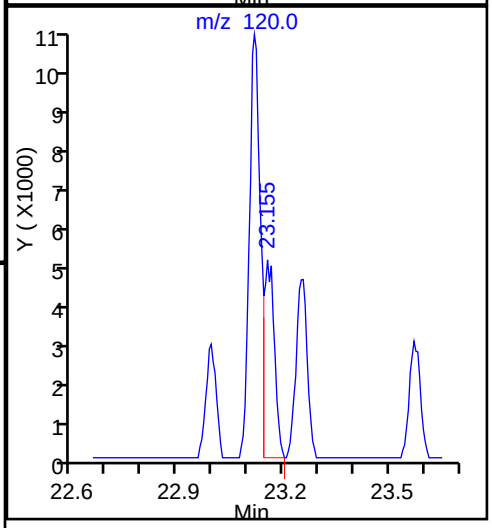
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

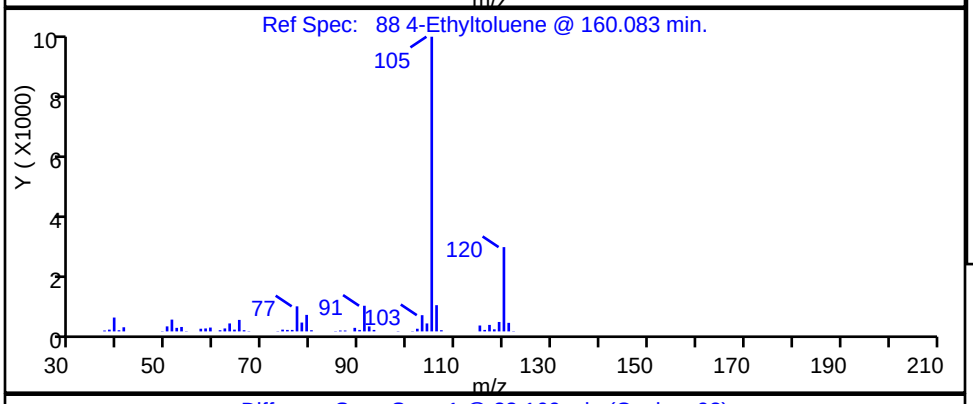
88 4-Ethyltoluene, CAS: 622-96-8

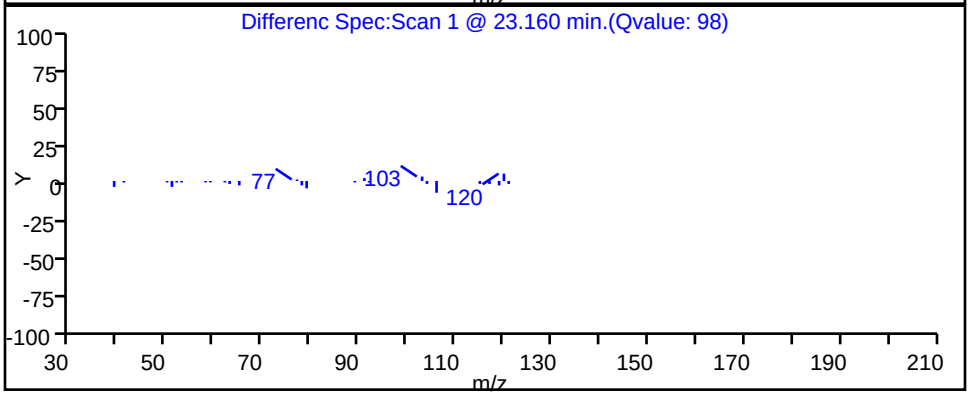








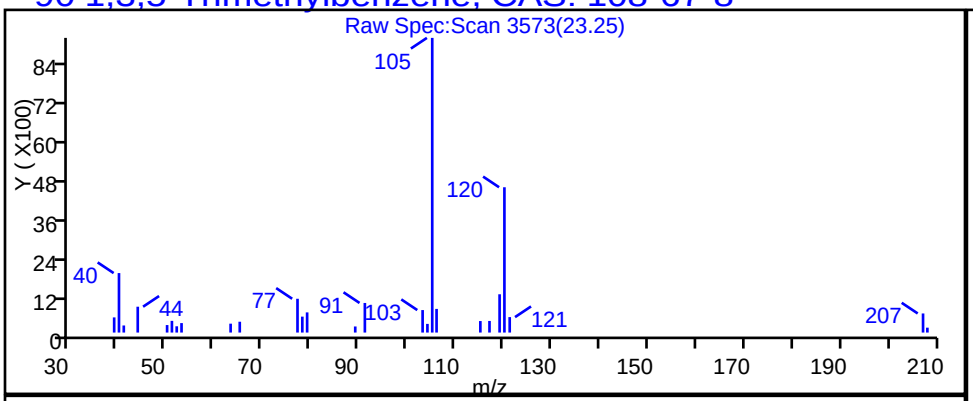


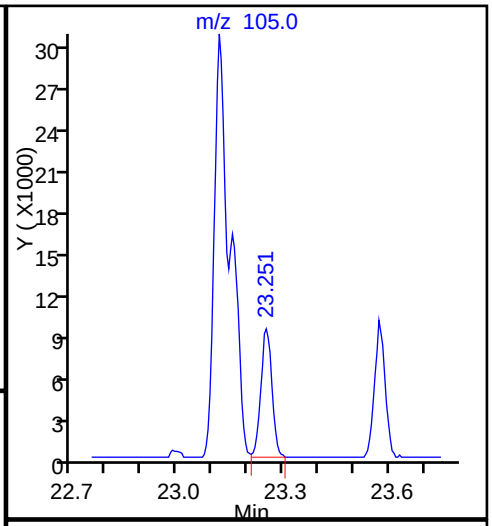


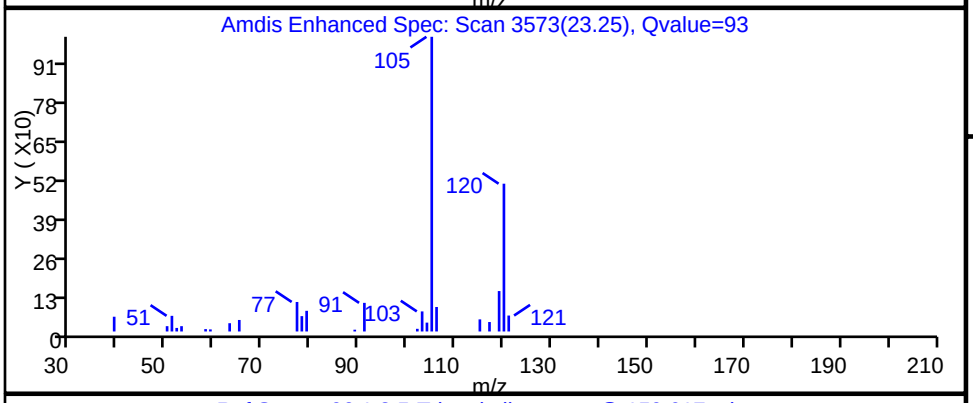
TestAmerica Burlington

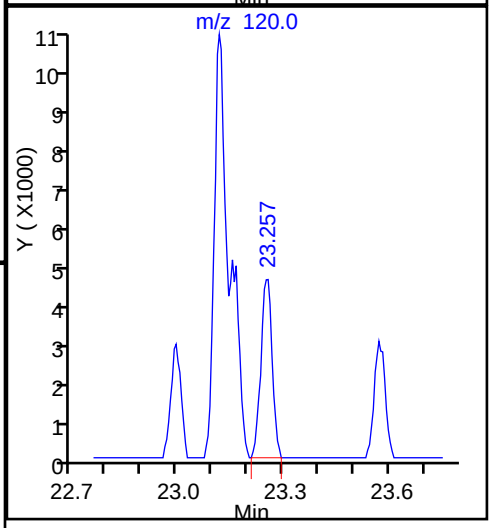
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

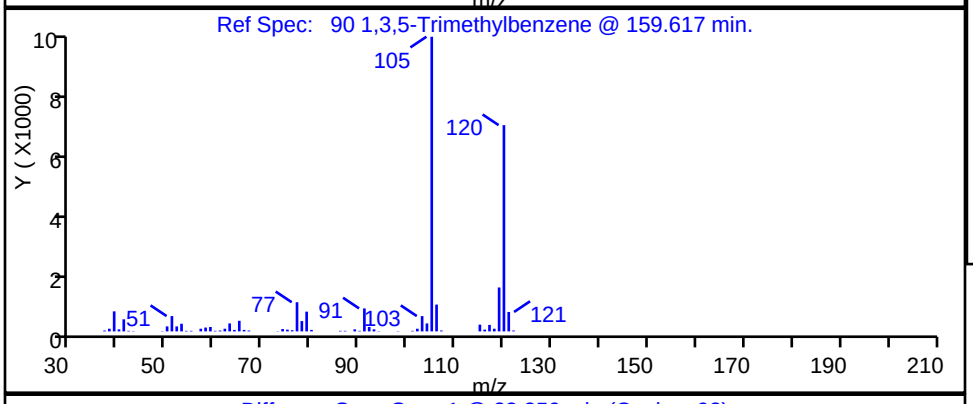
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

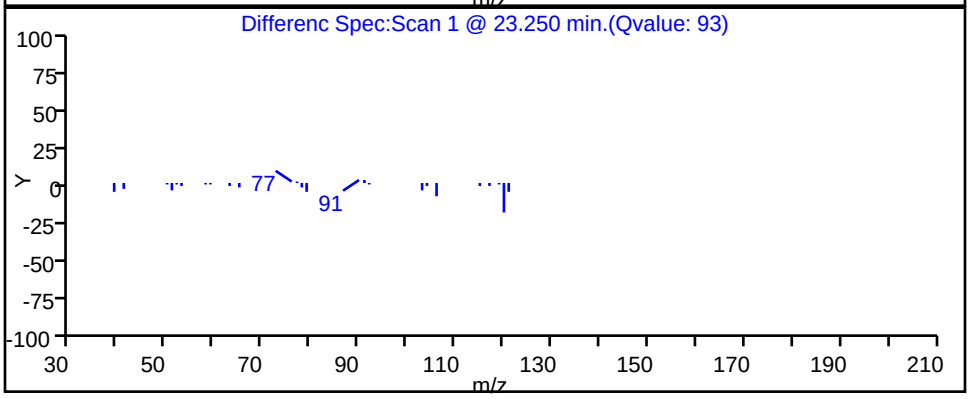








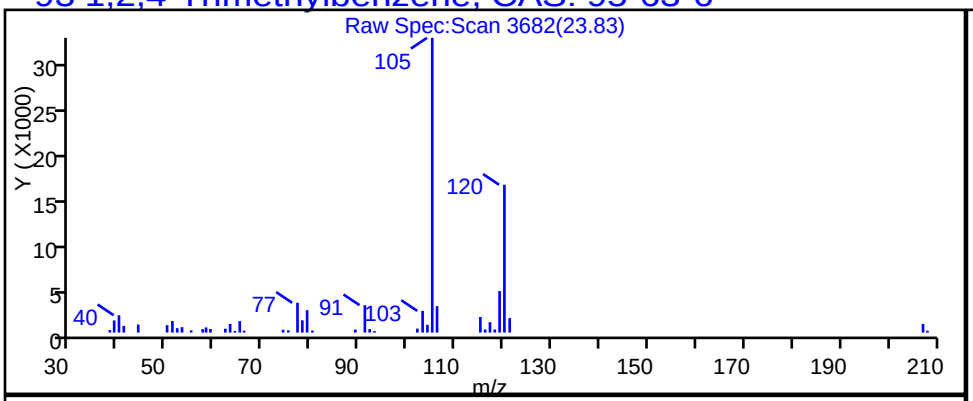


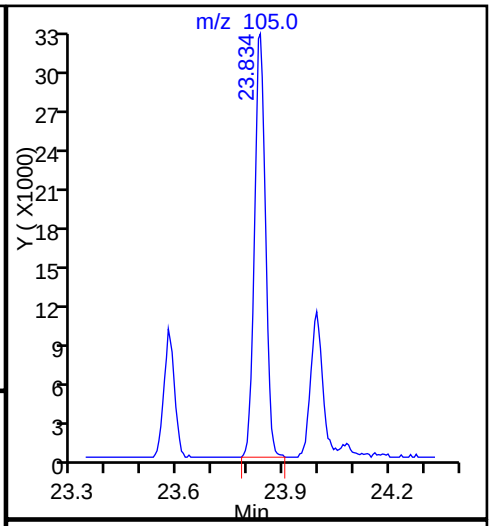


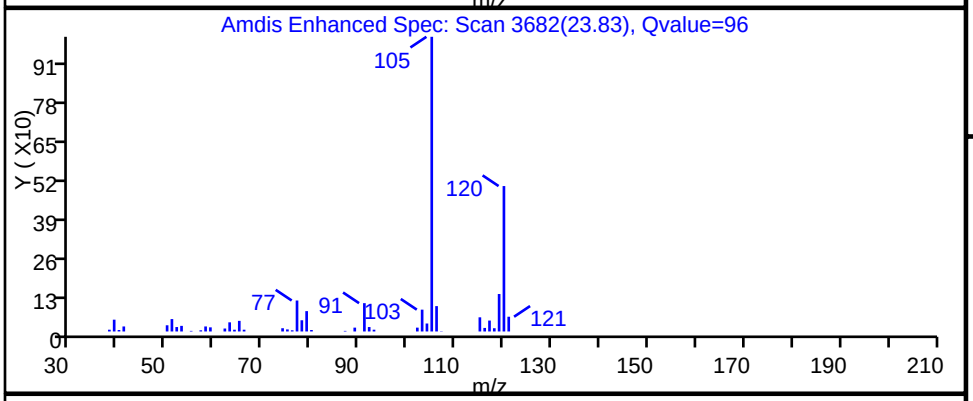
TestAmerica Burlington

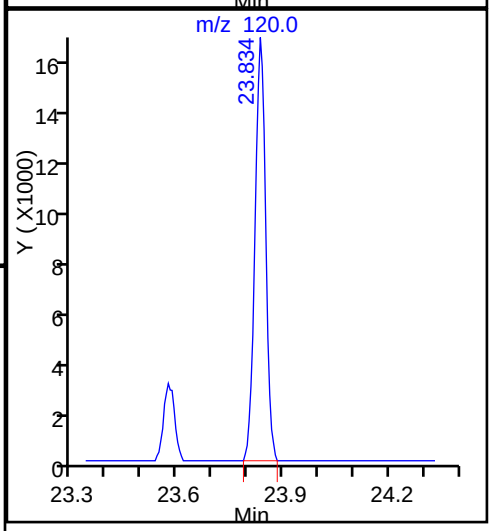
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

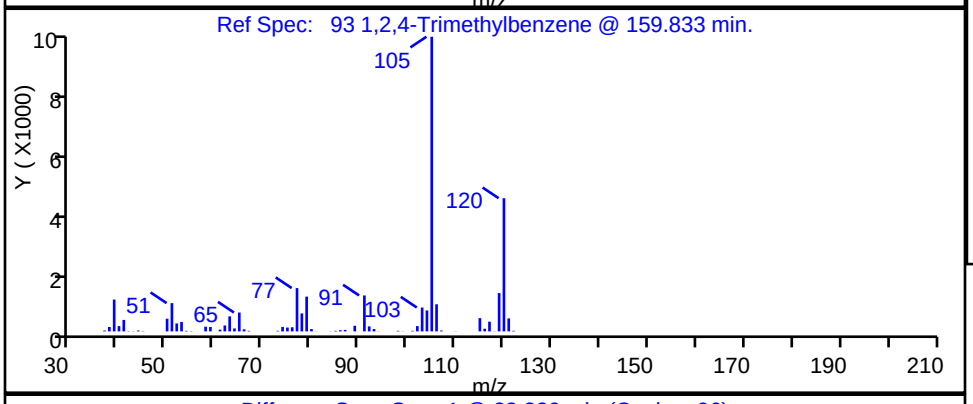
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

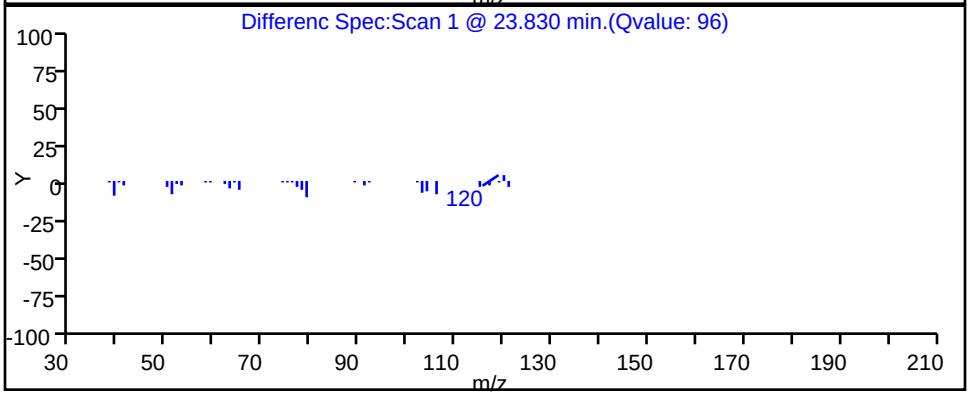












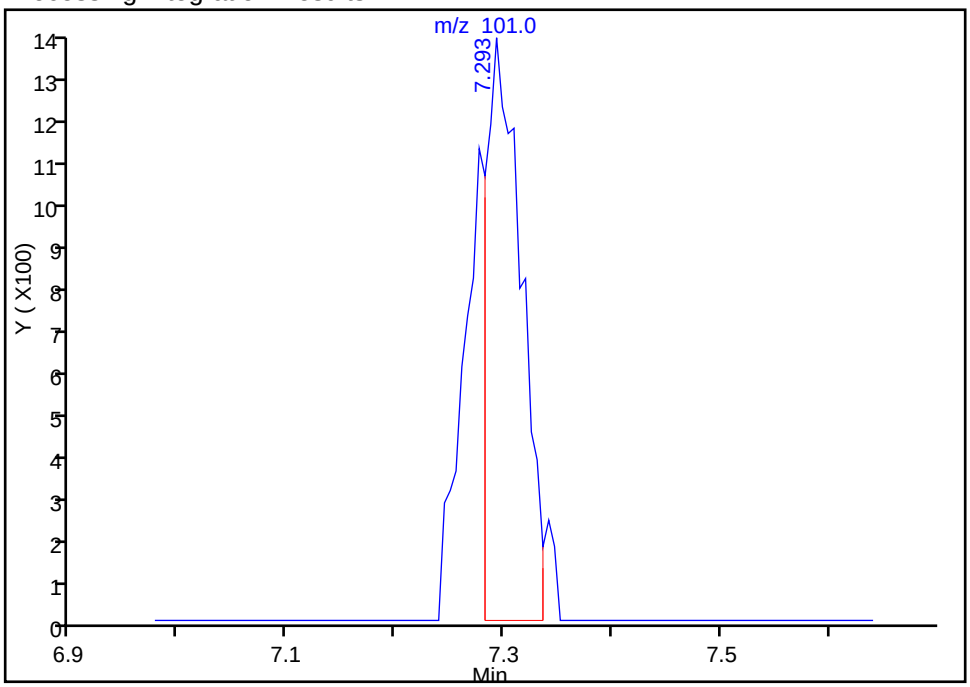
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 Trichlorofluoromethane, CAS: 75-69-4

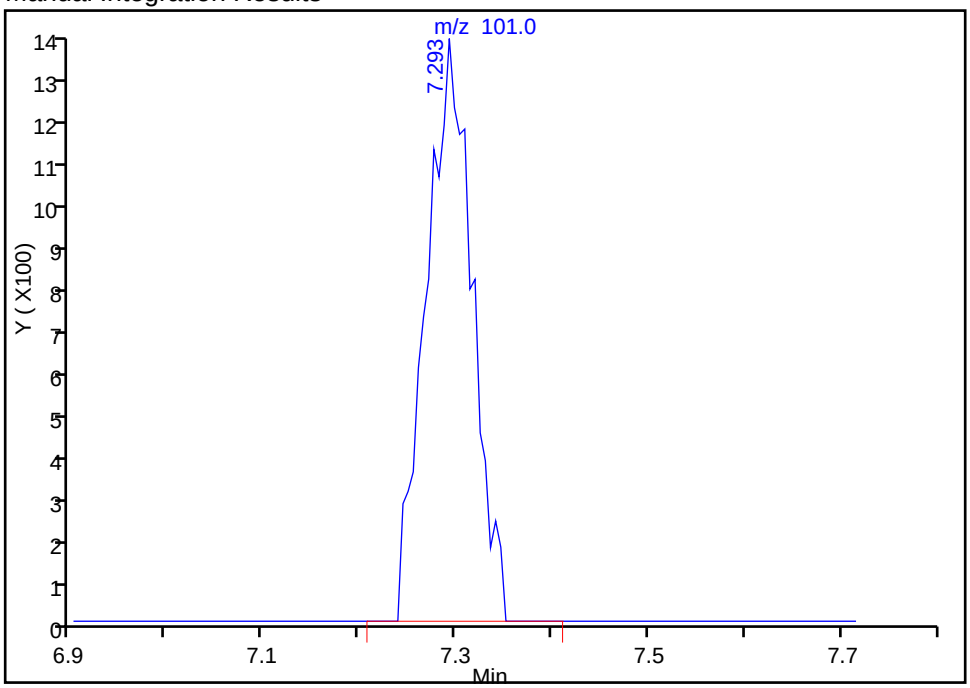
Processing Integration Results

RT: 7.29
Area: 2977
Amount: 0.037220
Amount Units: ppb v/v



Manual Integration Results

RT: 7.29
Area: 4384
Amount: 0.054811
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:48:07
Audit Action: Manually Integrated
Audit Reason: Baseline

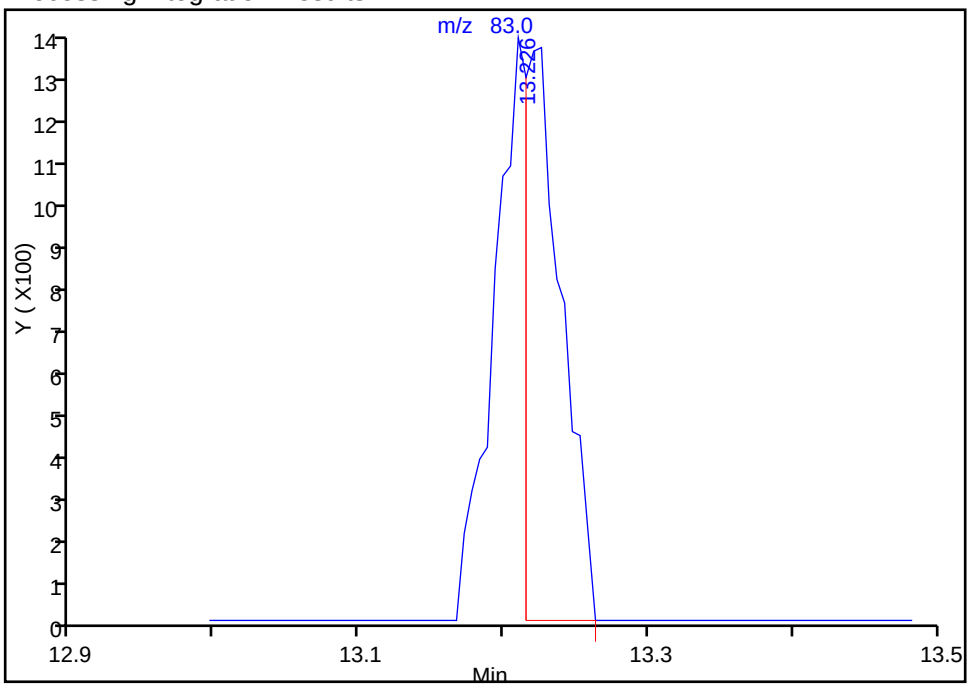
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Chloroform, CAS: 67-66-3

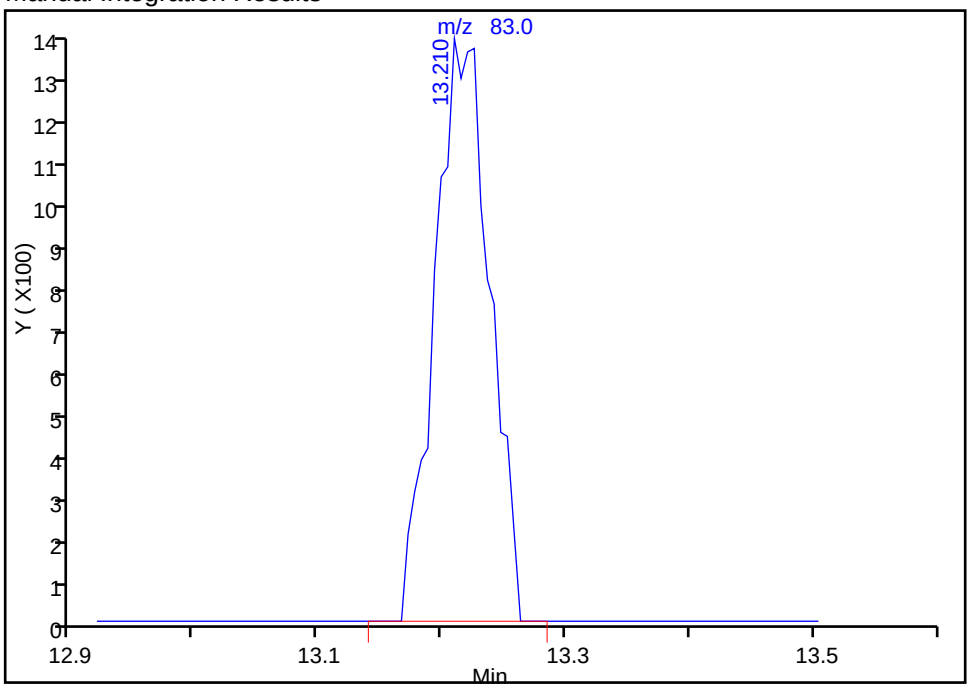
Processing Integration Results

RT: 13.23
Area: 2318
Amount: 0.039006
Amount Units: ppb v/v



Manual Integration Results

RT: 13.21
Area: 4032
Amount: 0.067848
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:48:07
Audit Action: Manually Integrated
Audit Reason: Baseline

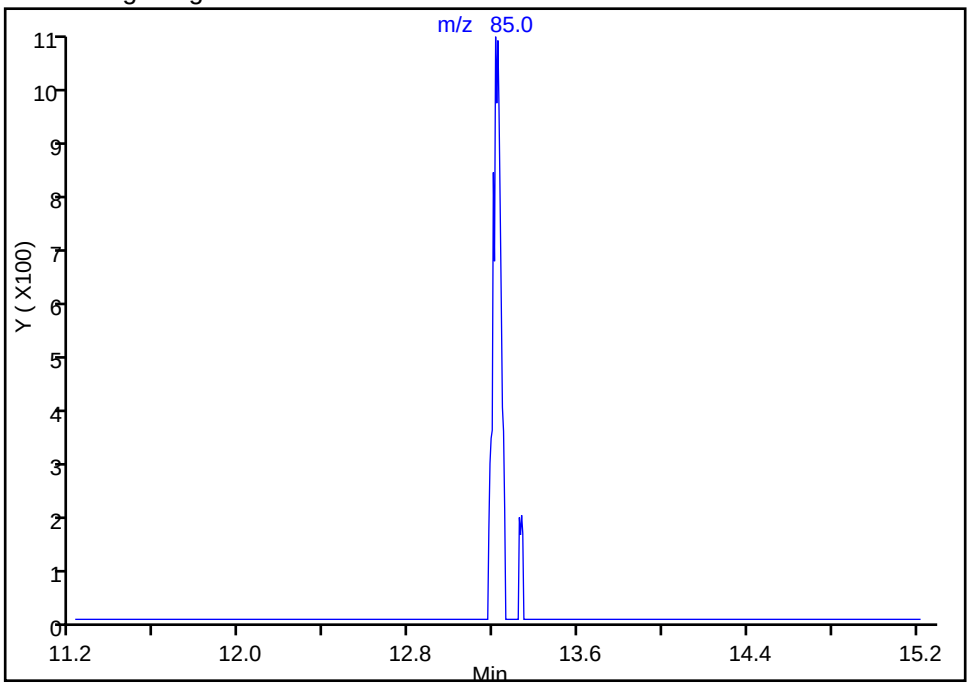
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Chloroform, CAS: 67-66-3

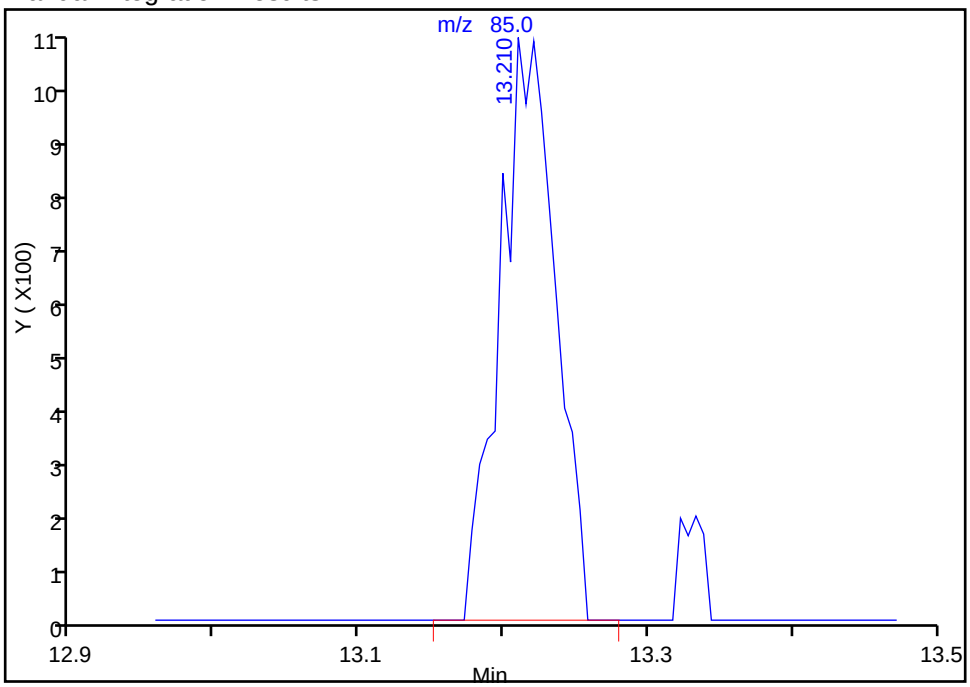
Processing Integration Results

RT: 13.22
Area: 0
Amount: 0.039006
Amount Units: ppb v/v



Manual Integration Results

RT: 13.21
Area: 2856
Amount: 0.067848
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:48:07
Audit Action: Manually Integrated
Audit Reason: Baseline

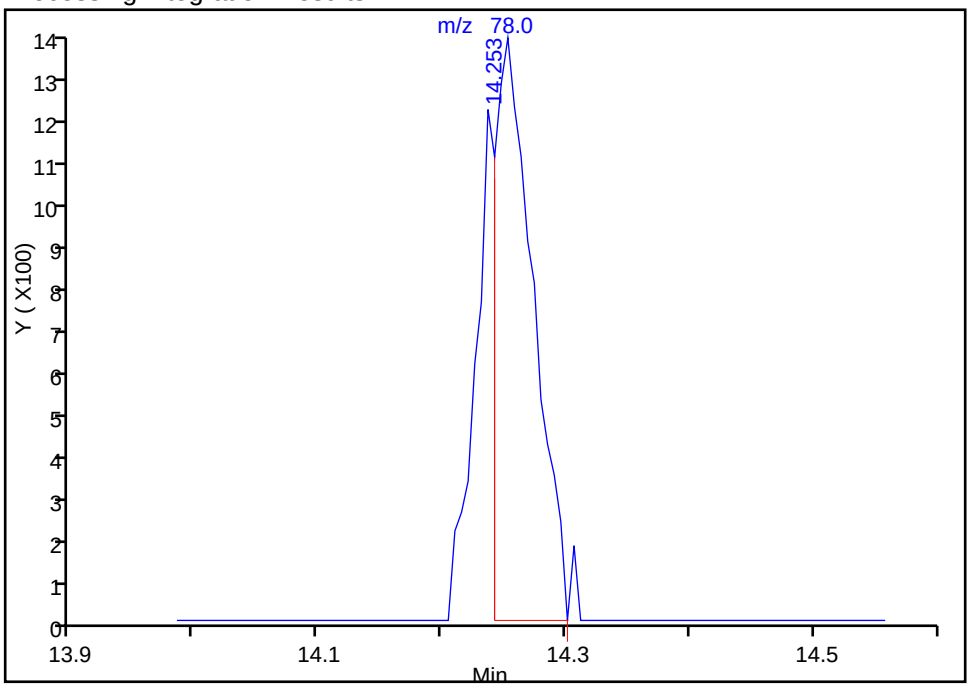
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_024.d				
Injection Date:	11-Sep-2015 07:59:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-21	Lab Sample ID:	200-29580-21		
Client ID:	785VMP0401PA				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 Benzene, CAS: 71-43-2

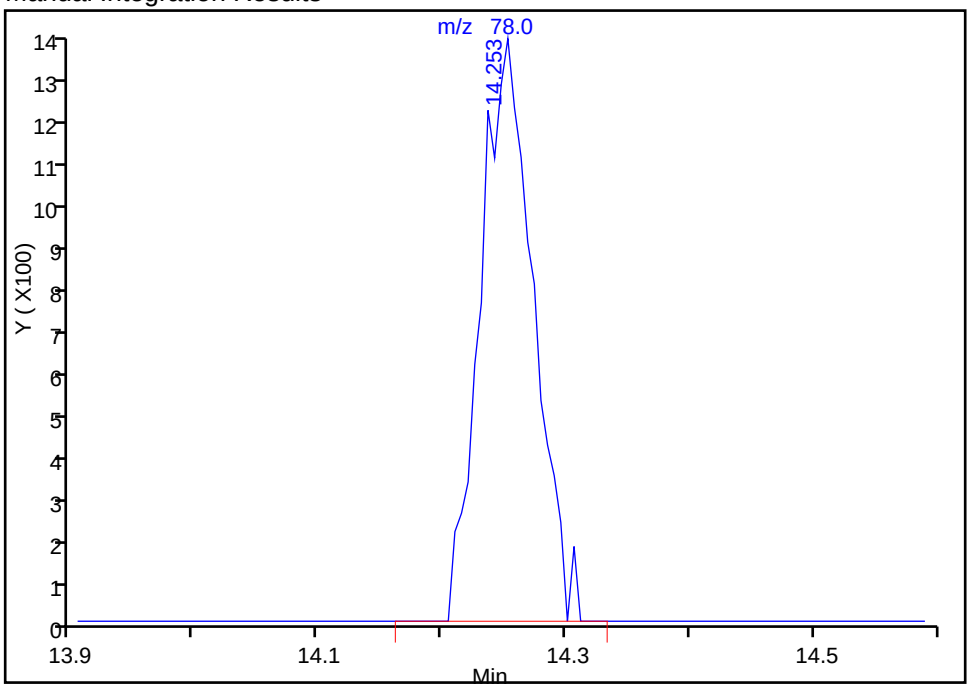
Processing Integration Results

RT: 14.25
Area: 2979
Amount: 0.033919
Amount Units: ppb v/v



Manual Integration Results

RT: 14.25
Area: 4117
Amount: 0.046876
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:48:07
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PC Lab Sample ID: 200-29580-22

Matrix: Air Lab File ID: 15679_023.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 02:42

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	0.50	0.056
75-45-6	Freon 22	86.47	0.24	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	1.4		0.50	0.060
106-97-8	n-Butane	58.12	0.36	J	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.22		0.20	0.045
76-13-1	Freon TF	187.38	0.078	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	5.1		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	1.5	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	8.2		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.12	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.69	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.089	J	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	1.0		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.035	J M	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	6.1		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.083	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.078	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PC Lab Sample ID: 200-29580-22

Matrix: Air Lab File ID: 15679_023.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 02:42

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.063	J	0.20	0.037
79-01-6	Trichloroethene	131.39	2.3		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.18	J	0.50	0.18
108-88-3	Toluene	92.14	0.49		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.98		0.20	0.020
179601-23-1	m,p-Xylene	106.17	1.1		0.50	0.025
95-47-6	Xylene, o-	106.17	0.48		0.20	0.018
1330-20-7	Xylene (total)	106.17	1.6		0.70	0.041
100-42-5	Styrene	104.15	0.092	J	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.10	J	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.11	J	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.15	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.13	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.49		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.15	J	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.22		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.020	J	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PC Lab Sample ID: 200-29580-22

Matrix: Air Lab File ID: 15679_023.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 02:42

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.17	J	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PC | Lab Sample ID: 200-29580-22

Matrix: Air | Lab File ID: 15679_023.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) | Date Analyzed: 09/11/2015 02:42

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	2.5	0.28
75-45-6	Freon 22	86.47	0.84	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	2.9		1.0	0.12
106-97-8	n-Butane	58.12	0.86	J	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.25
76-13-1	Freon TF	187.38	0.60	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	12		12	1.6
67-63-0	Isopropyl alcohol	60.10	3.7	J	12	0.37
75-15-0	Carbon disulfide	76.14	26		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.41	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	2.1	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.31	J	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	3.1		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	J M	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	18		15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.52	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.25	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PC | Lab Sample ID: 200-29580-22

Matrix: Air | Lab File ID: 15679_023.d

Analysis Method: TO-15 | Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) | Date Analyzed: 09/11/2015 02:42

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.: 93784 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.26	J	0.82	0.15
79-01-6	Trichloroethene	131.39	12		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.72	J	2.0	0.74
108-88-3	Toluene	92.14	1.9		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	4.2		0.87	0.087
179601-23-1	m,p-Xylene	106.17	4.9		2.2	0.11
95-47-6	Xylene, o-	106.17	2.1		0.87	0.078
1330-20-7	Xylene (total)	106.17	6.9		3.0	0.18
100-42-5	Styrene	104.15	0.39	J	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.50	J	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.53	J	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.72	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.63	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	2.4		0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.82	J	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	1.3		1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.12	J	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 786VMP0202PC Lab Sample ID: 200-29580-22

Matrix: Air Lab File ID: 15679_023.d

Analysis Method: TO-15 Date Collected: 09/01/2015 15:40

Sample wt/vol: 200(mL) Date Analyzed: 09/11/2015 02:42

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.87	J	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Sample Type: Client
Inject. Date: 11-Sep-2015 02:42:30 ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-023
Misc. Info.: 29580-22
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 11-Sep-2015 11:45:25 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

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

First Level Reviewer: desjardinsb Date: 11-Sep-2015 11:45:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.420	4.415	0.005	99	40004	0.4861	
3 Chlorodifluoromethane	51	4.495	4.485	0.010	96	8794	0.2373	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795				ND	
5 Chloromethane	50	5.004	4.998	0.006	99	30254	1.42	
6 Butane	43	5.292	5.282	0.010	93	11308	0.3632	
7 Vinyl chloride	62		5.341				ND	
8 Butadiene	54		5.448				ND	
10 Bromomethane	94		6.368				ND	
11 Chloroethane	64		6.667				ND	
13 Vinyl bromide	106		7.170				ND	
14 Trichlorofluoromethane	101	7.304	7.288	0.016	98	19997	0.2206	
20 1,1,2-Trichloro-1,2,2-trif	101	8.604	8.593	0.011	90	5320	0.0780	
21 1,1-Dichloroethene	96		8.668				ND	
22 Acetone	43	8.946	8.946	0.000	96	169831	5.12	
23 Carbon disulfide	76	9.171	9.166	0.005	98	651661	8.20	
24 Isopropyl alcohol	45	9.235	9.224	0.011	97	42963	1.50	
25 3-Chloro-1-propene	41		9.594				ND	
27 Methylene Chloride	49	9.936	9.931	0.005	30	3024	0.1173	
28 2-Methyl-2-propanol	59	10.134	10.123	0.011	95	31492	0.6936	
S 30 1,2-Dichloroethene, Total	61				0		0.0348	
29 Methyl tert-butyl ether	73		10.375				ND	
31 trans-1,2-Dichloroethene	61		10.433				ND	
33 Hexane	57	10.862	10.856	0.006	85	3709	0.0889	
34 1,1-Dichloroethane	63		11.429				ND	
37 cis-1,2-Dichloroethene	96	12.622	12.616	0.001	1	1343	0.0348	M
38 2-Butanone (MEK)	72	12.654	12.654	0.000	97	17544	1.05	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	73	255441	10.0	
41 Tetrahydrofuran	42	13.119	13.114	0.005	82	145598	6.11	
42 Chloroform	83		13.221				ND	
43 Cyclohexane	84		13.515				ND	
44 1,1,1-Trichloroethane	97		13.536				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
45 Carbon tetrachloride	117	13.788	13.788	0.000	95	6059	0.0830	
46 Isooctane	57		14.189				ND	
47 Benzene	78	14.253	14.259	-0.005	93	7968	0.0776	
48 1,2-Dichloroethane	62		14.424				ND	
49 n-Heptane	43	14.542	14.537	0.005	76	2637	0.0628	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1192880	10.0	
53 Trichloroethene	95	15.484	15.484	0.000	94	108615	2.25	
54 1,2-Dichloropropane	63		16.024				ND	
55 Methyl methacrylate	69		16.104				ND	
56 1,4-Dioxane	88		16.200				ND	
58 Dichlorobromomethane	83		16.505				ND	
60 cis-1,3-Dichloropropene	75		17.383				ND	
61 4-Methyl-2-pentanone (MIBK	43	17.629	17.629	0.000	95	9339	0.1763	
65 Toluene	92	17.961	17.960	0.001	93	40225	0.4941	
66 trans-1,3-Dichloropropene	75		18.495				ND	
67 1,1,2-Trichloroethane	83		18.865				ND	
68 Tetrachloroethene	166		18.993				ND	
69 2-Hexanone	43	19.271	19.266	0.005	98	6937	0.1330	
71 Chlorodibromomethane	129		19.624				ND	
72 Ethylene Dibromide	107		19.918				ND	
S 73 Xylenes, Total	106				0		1.60	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1129168	10.0	
75 Chlorobenzene	112		20.790				ND	
76 Ethylbenzene	91	20.903	20.903	0.000	97	173210	0.9786	
78 m-Xylene & p-Xylene	106	21.106	21.111	-0.005	100	82131	1.12	
79 o-Xylene	106	21.802	21.807	-0.005	98	35974	0.4758	
80 Styrene	104	21.834	21.839	-0.005	90	10617	0.0917	
81 Bromoform	173		22.208				ND	
82 Isopropylbenzene	105	22.363	22.353	0.010	94	21925	0.1018	
84 1,1,2,2-Tetrachloroethane	83		22.898				ND	
85 N-Propylbenzene	91	22.995	22.979	0.016	100	26983	0.1087	
88 4-Ethyltoluene	105	23.155	23.144	0.011	98	32139	0.1455	
89 2-Chlorotoluene	91		23.176				ND	
90 1,3,5-Trimethylbenzene	105	23.251	23.235	0.016	94	24279	0.1290	
92 tert-Butylbenzene	119		23.722				ND	
93 1,2,4-Trimethylbenzene	105	23.829	23.818	0.011	97	92906	0.4889	
94 sec-Butylbenzene	105		24.065				ND	
95 4-Isopropyltoluene	119	24.284	24.268	0.016	97	35945	0.1498	
96 1,3-Dichlorobenzene	146	24.353	24.337	0.016	94	31689	0.2156	
97 1,4-Dichlorobenzene	146	24.498	24.487	0.011	93	2963	0.0202	
98 Benzyl chloride	91		24.706				ND	
100 n-Butylbenzene	91		24.926				ND	
101 1,2-Dichlorobenzene	146		25.113				ND	
103 1,2,4-Trichlorobenzene	180		28.141				ND	
104 Hexachlorobutadiene	225		28.355				ND	
105 Naphthalene	128	28.783	28.772	0.011	99	38026	0.1651	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

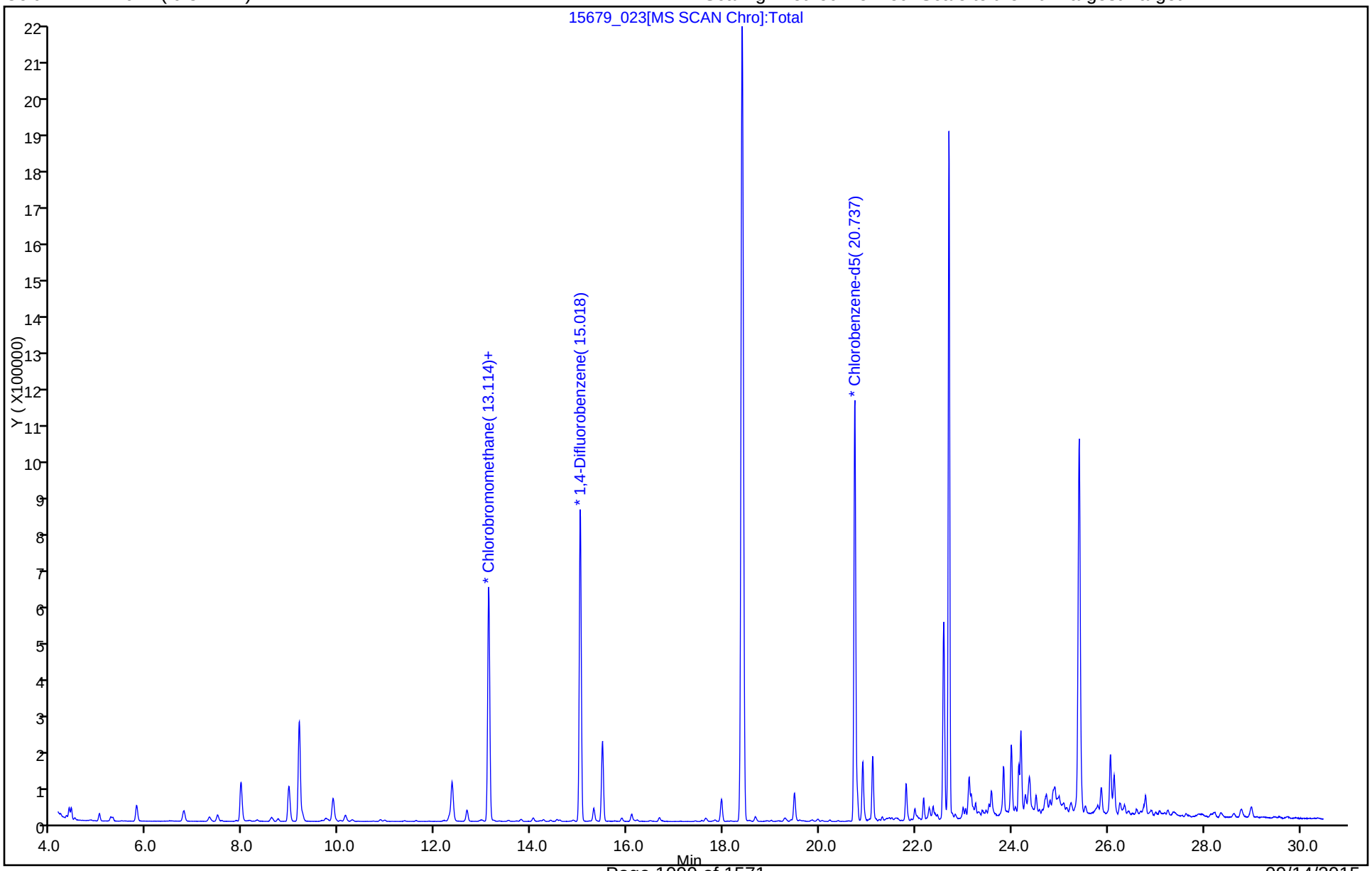
Report Date: 11-Sep-2015 11:45:26 Chrom Revision: 2.2 08-Sep-2015 13:41:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d

Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22	Worklist Smp#:	23
Client ID:	786VMP0202PC				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

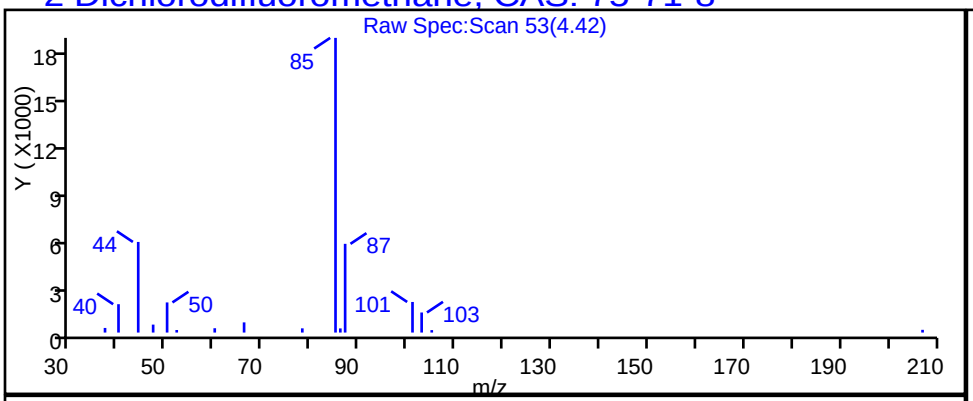
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

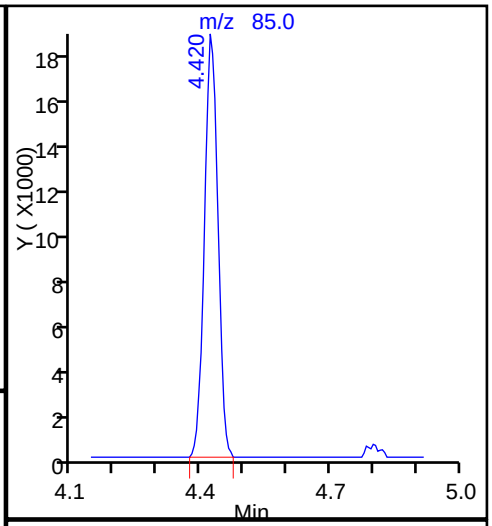


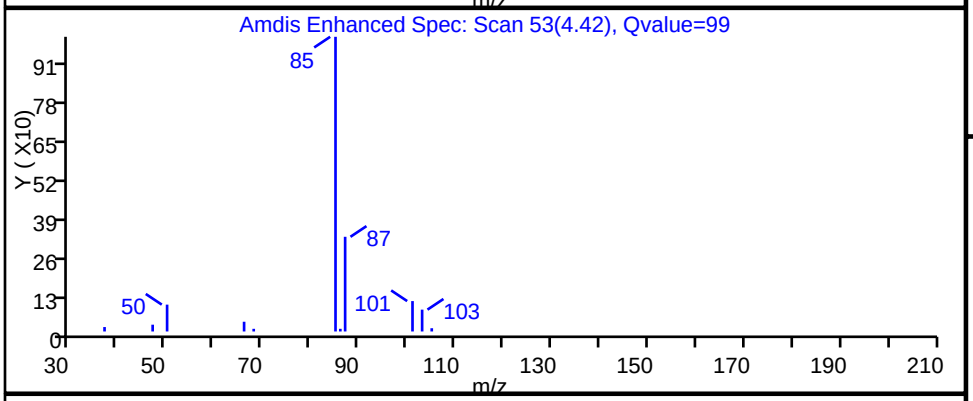
TestAmerica Burlington

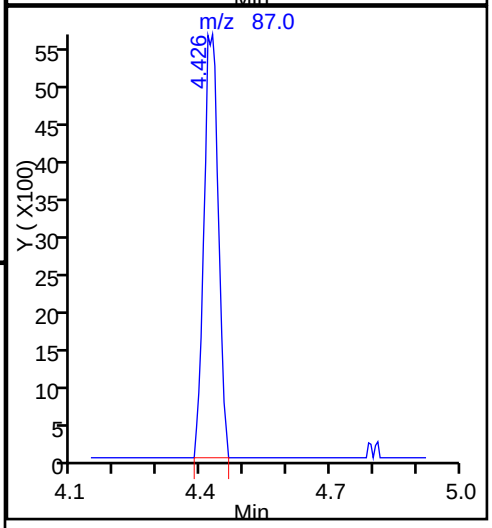
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

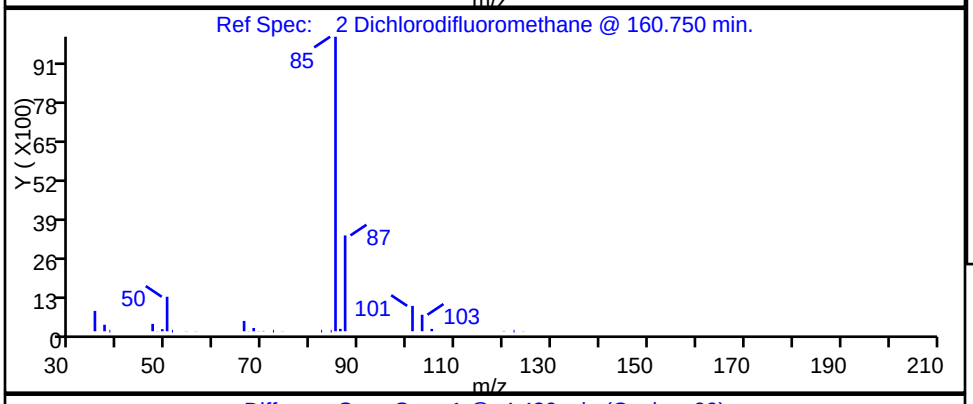
2 Dichlorodifluoromethane, CAS: 75-71-8

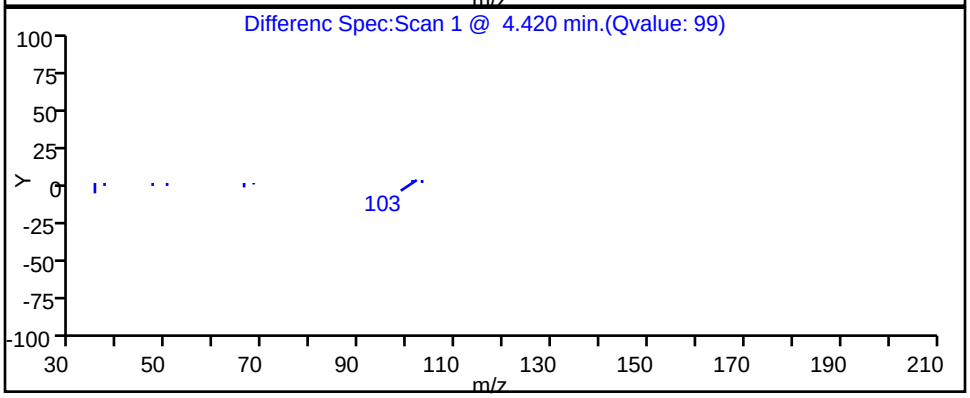






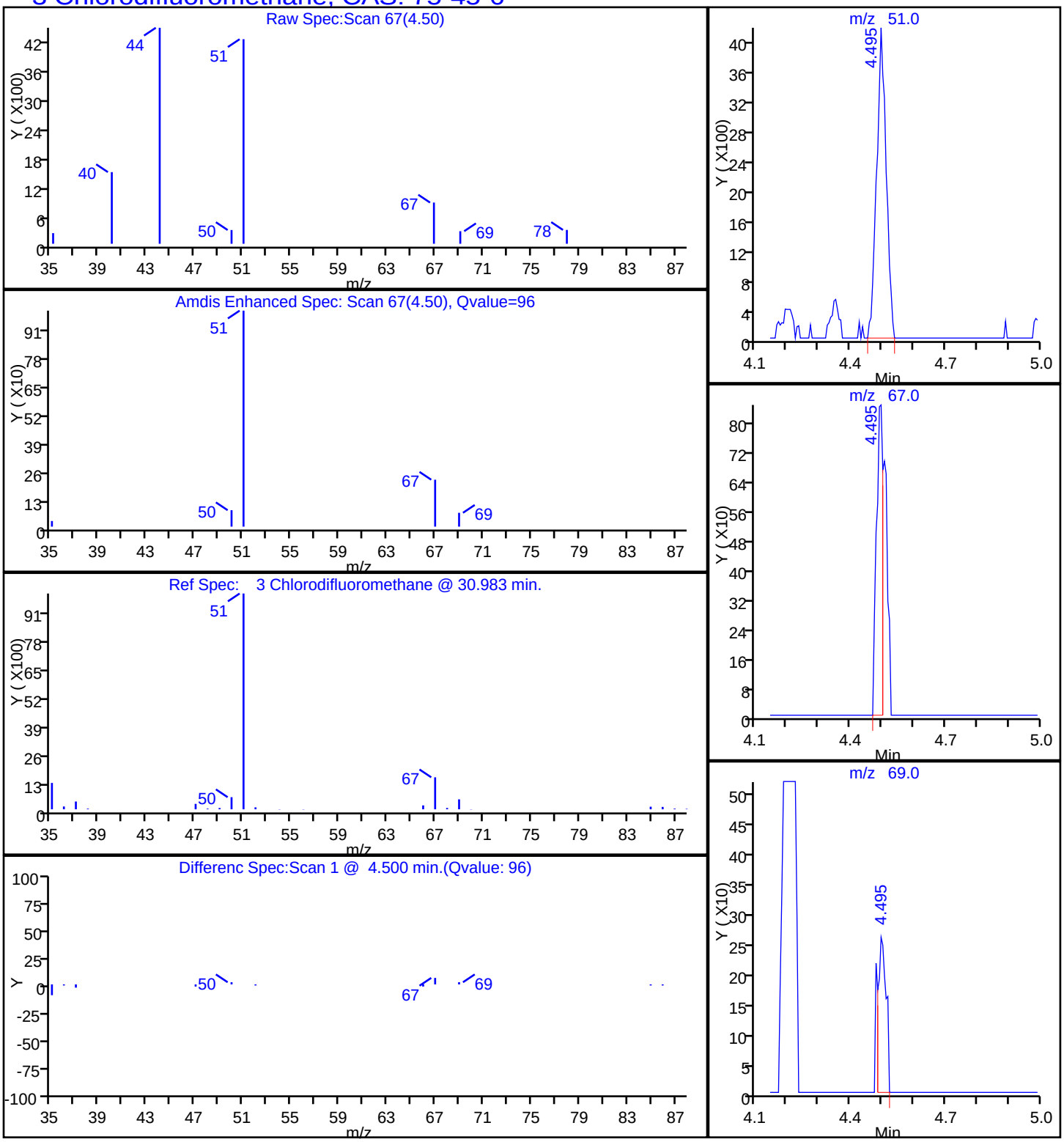






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

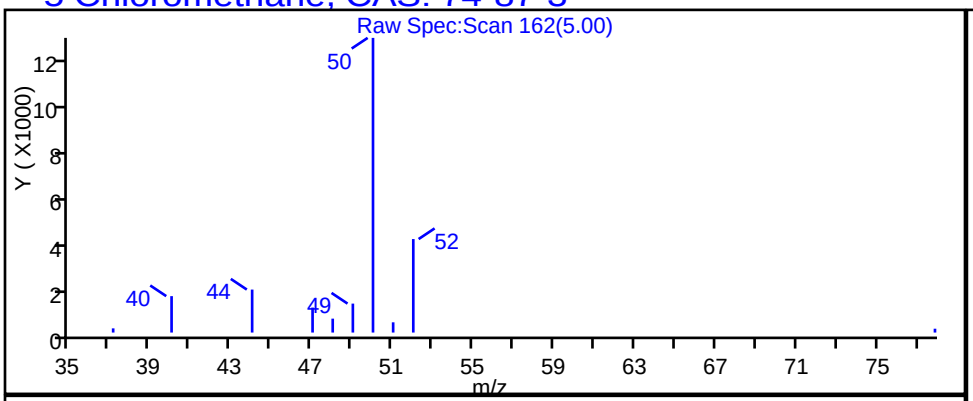
3 Chlorodifluoromethane, CAS: 75-45-6

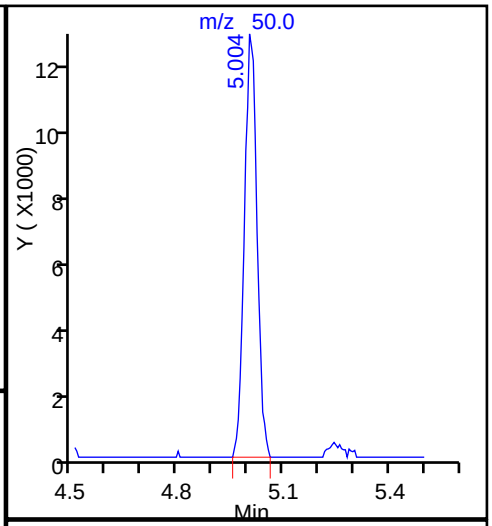


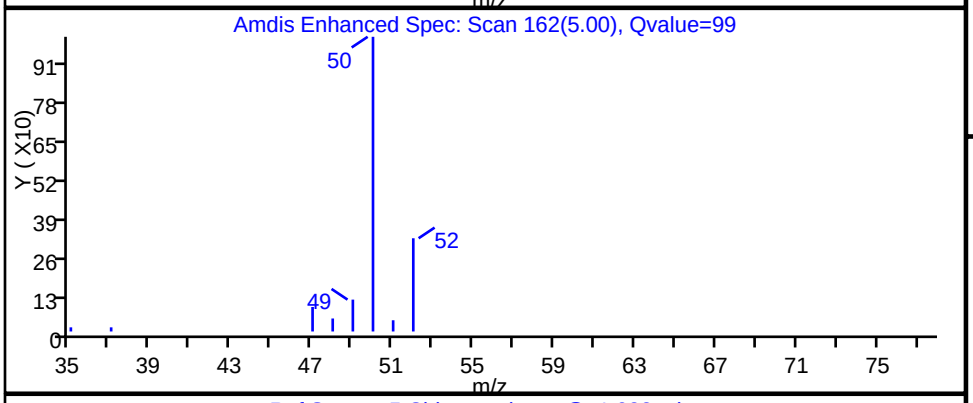
TestAmerica Burlington

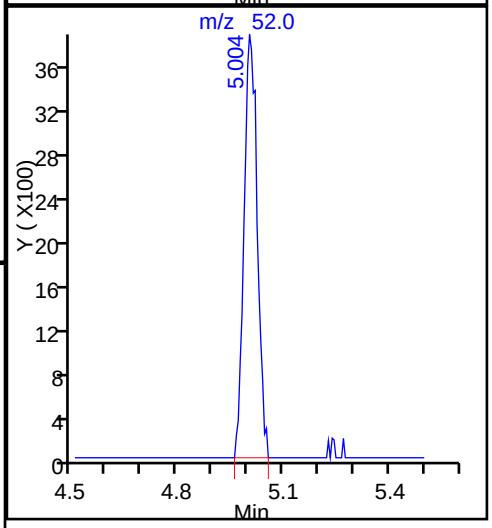
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

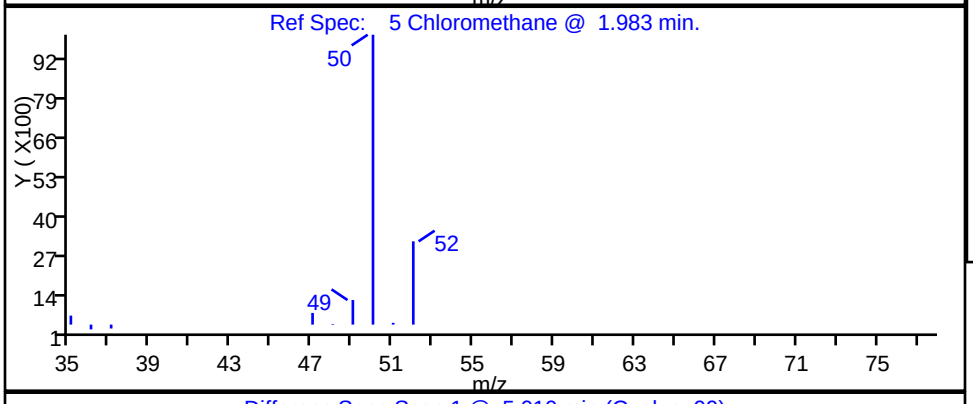
5 Chloromethane, CAS: 74-87-3

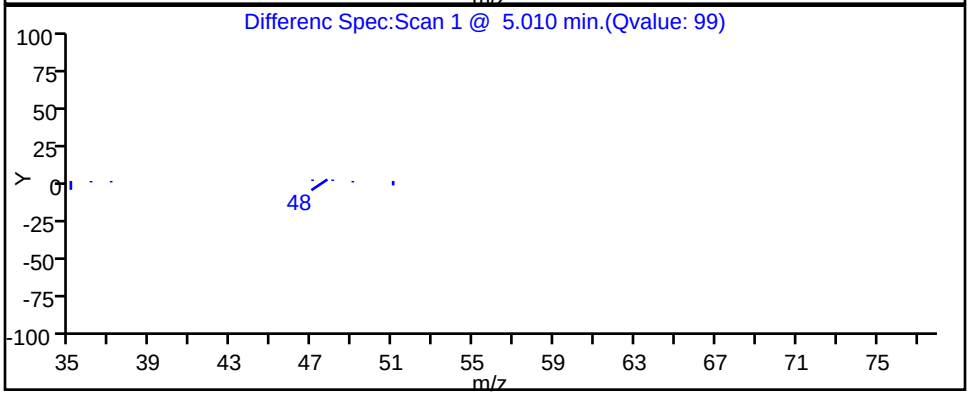






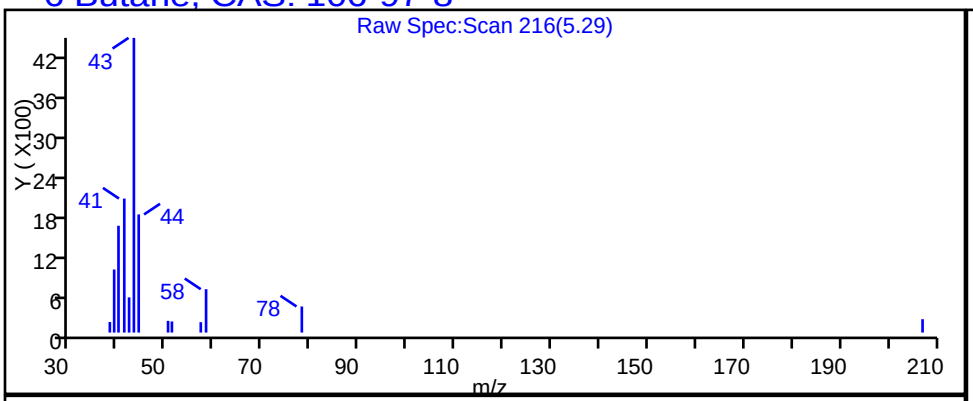


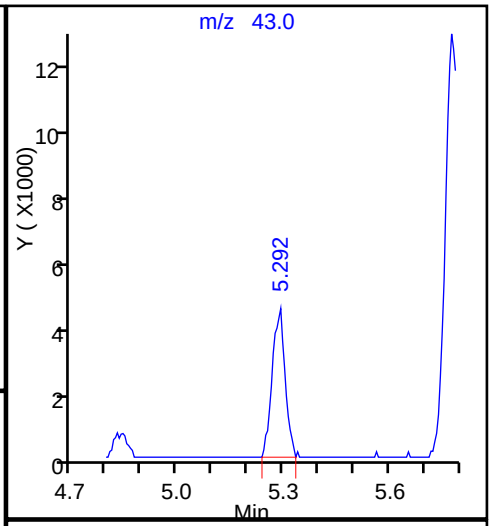


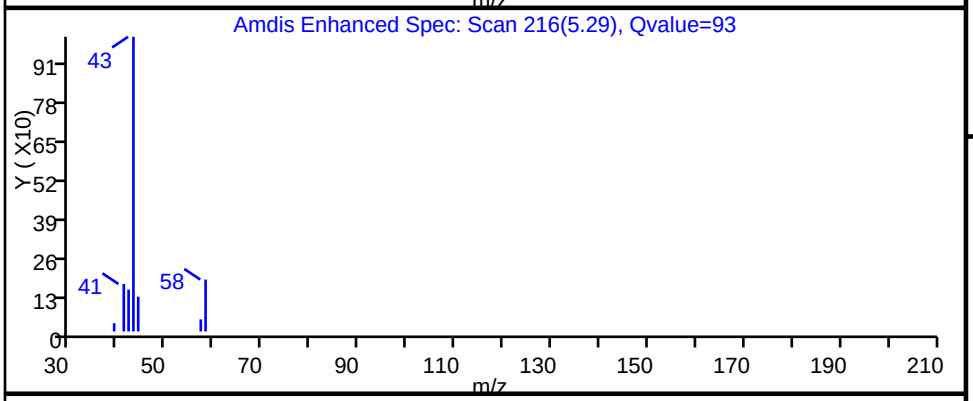


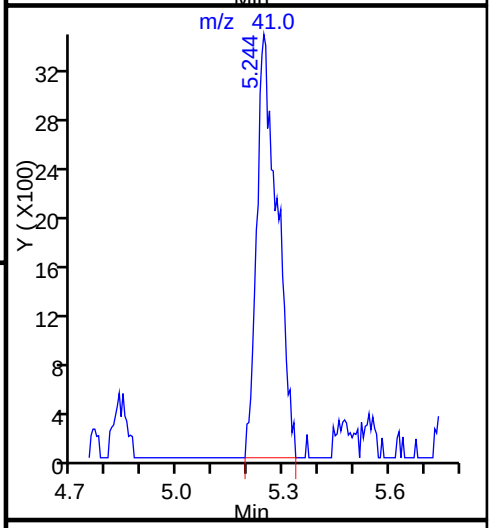
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

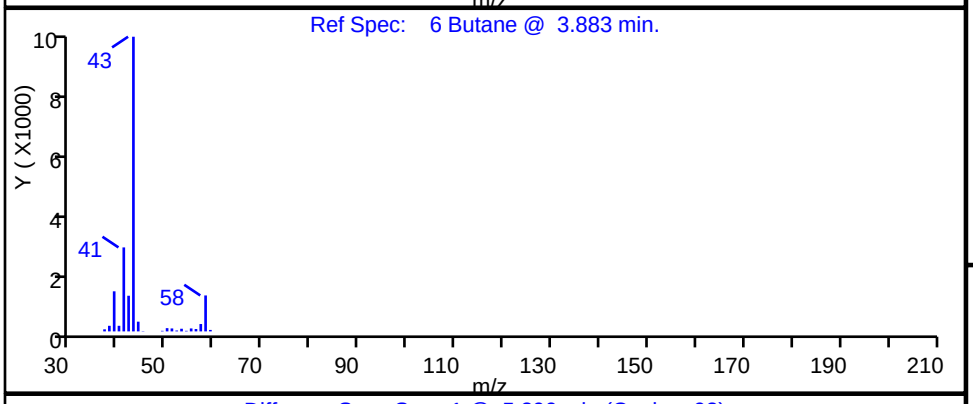
6 Butane, CAS: 106-97-8

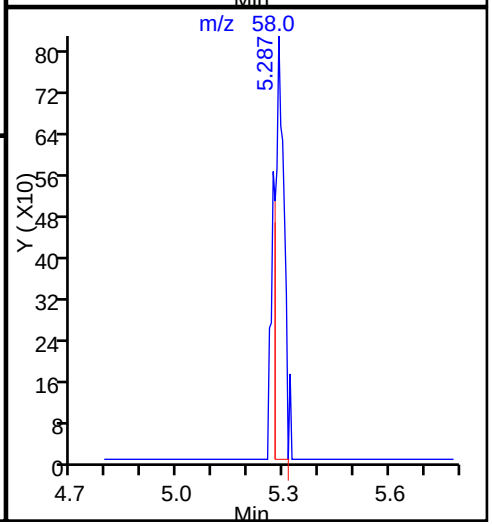


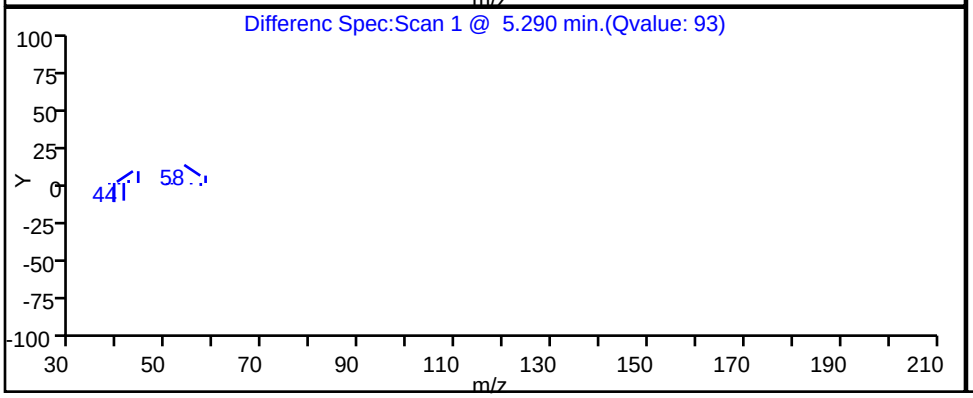






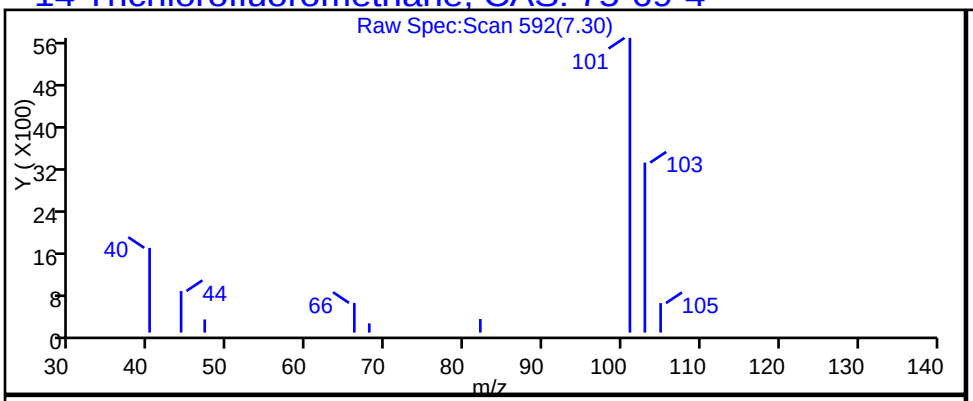


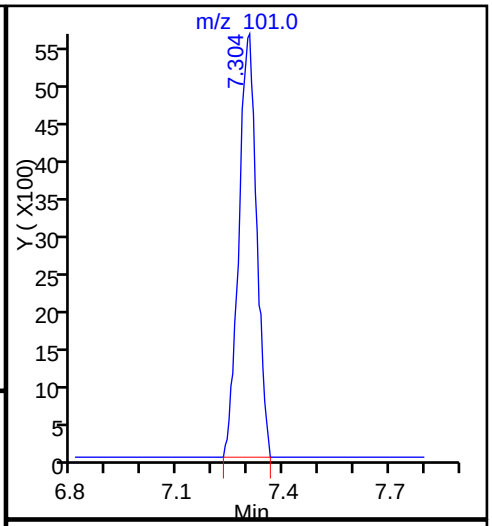


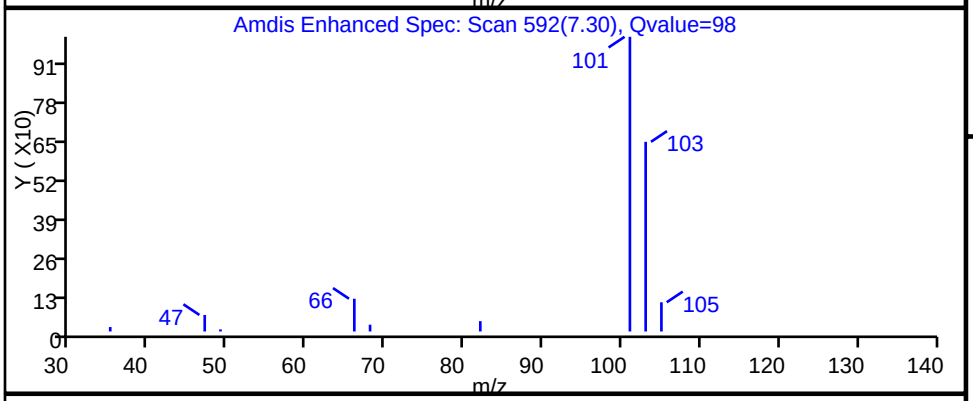


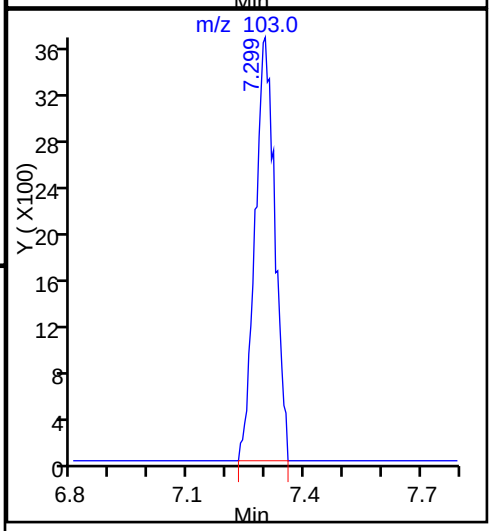
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

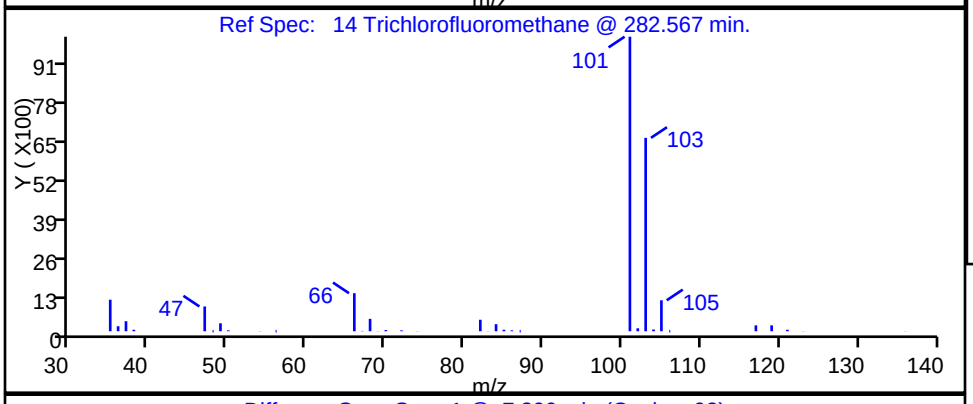
14 Trichlorofluoromethane, CAS: 75-69-4

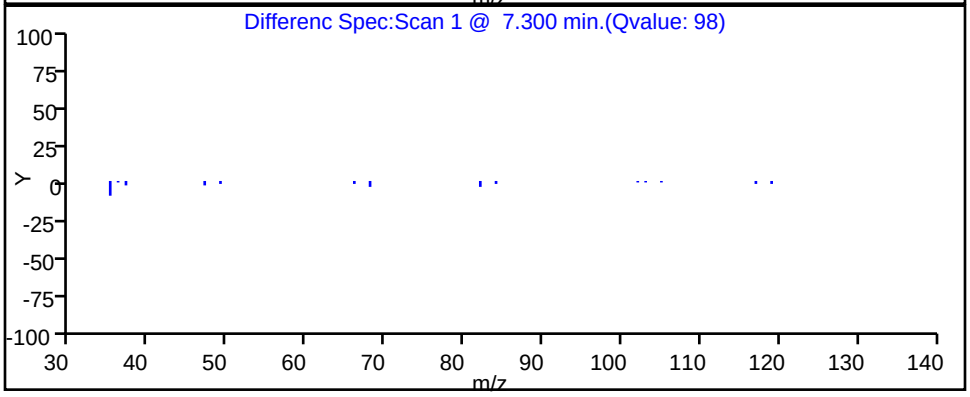








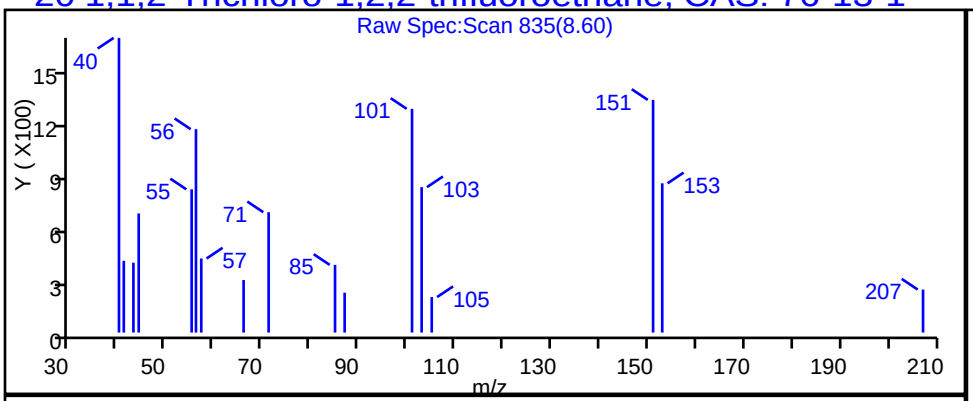


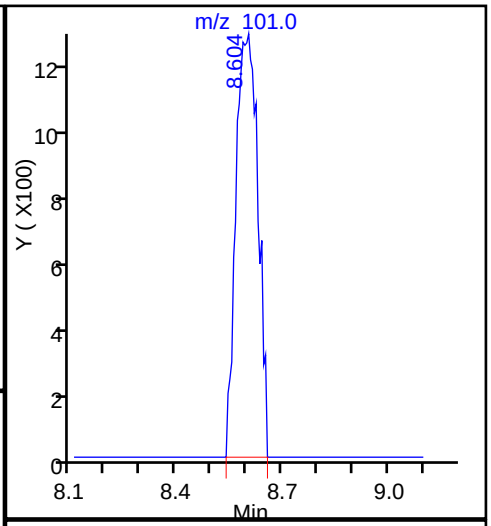


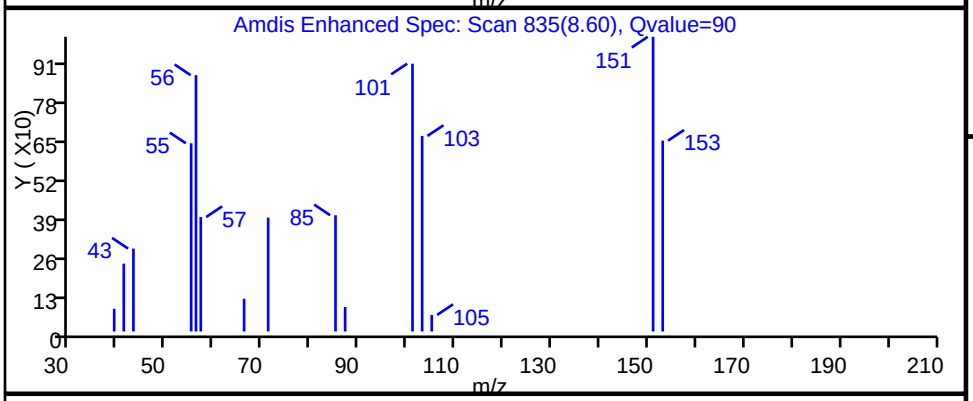
TestAmerica Burlington

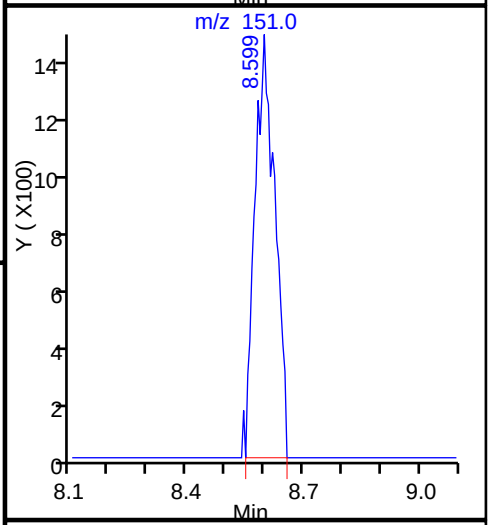
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

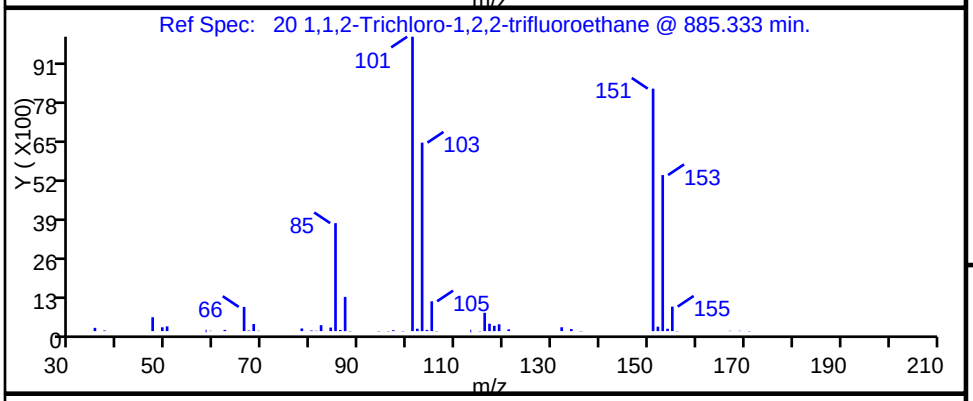
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

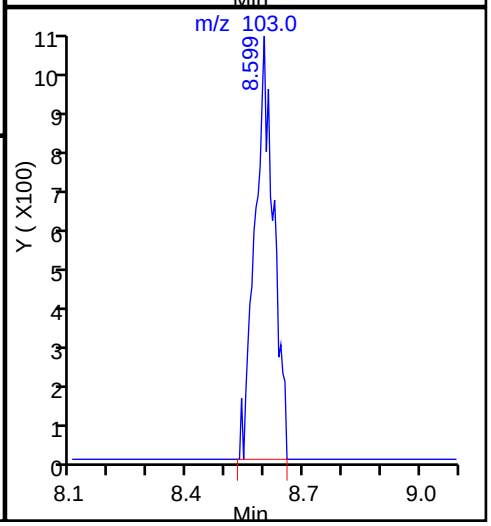


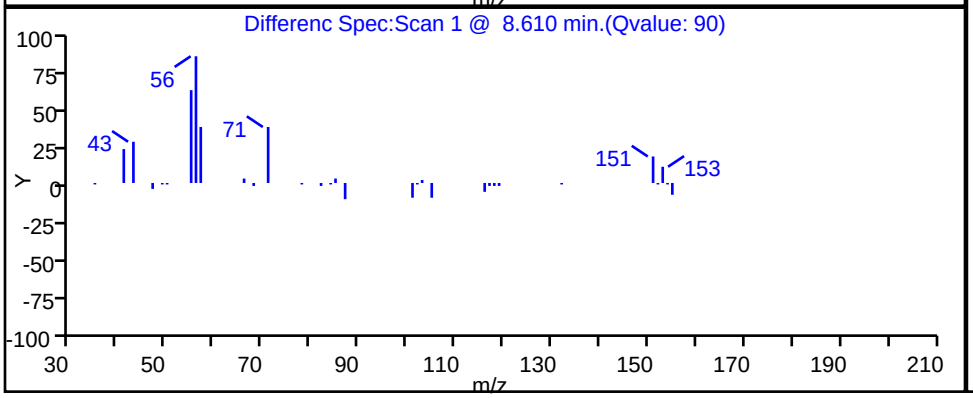








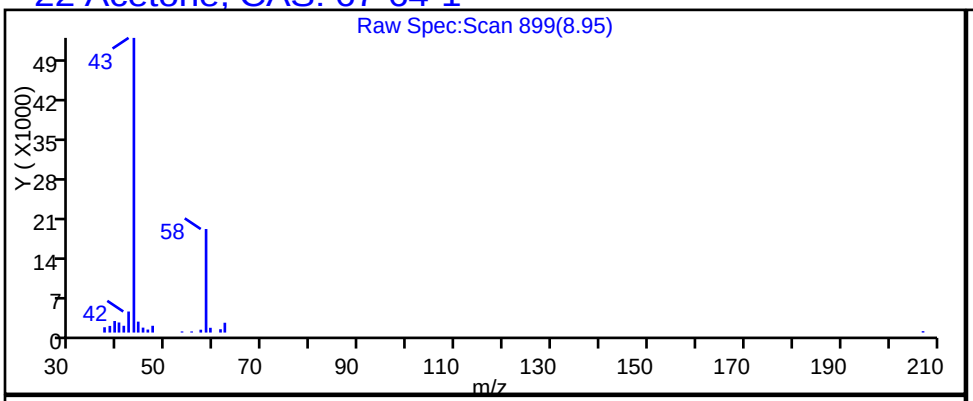


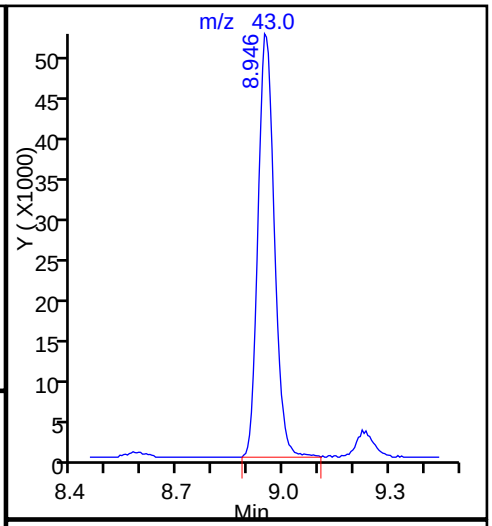


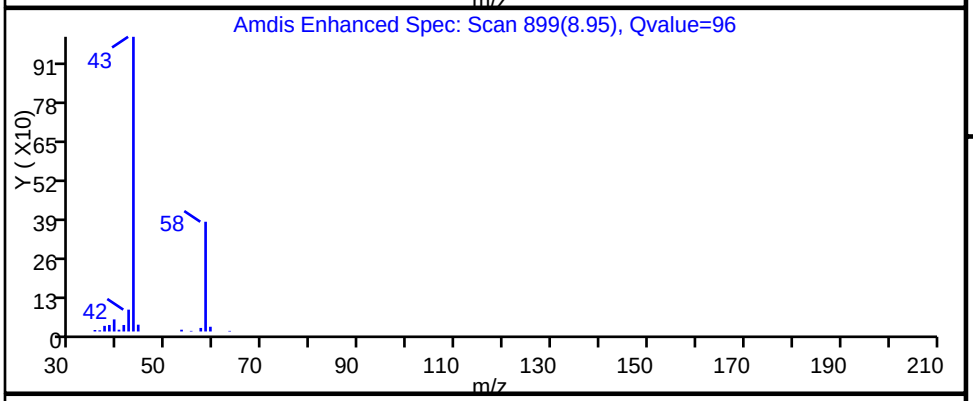
TestAmerica Burlington

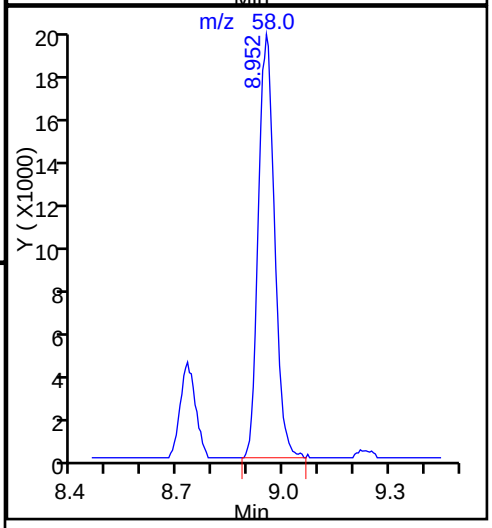
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

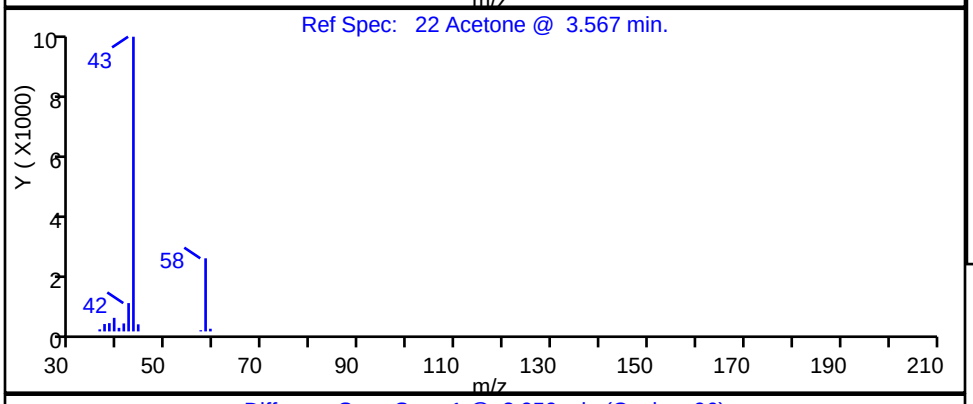
22 Acetone, CAS: 67-64-1

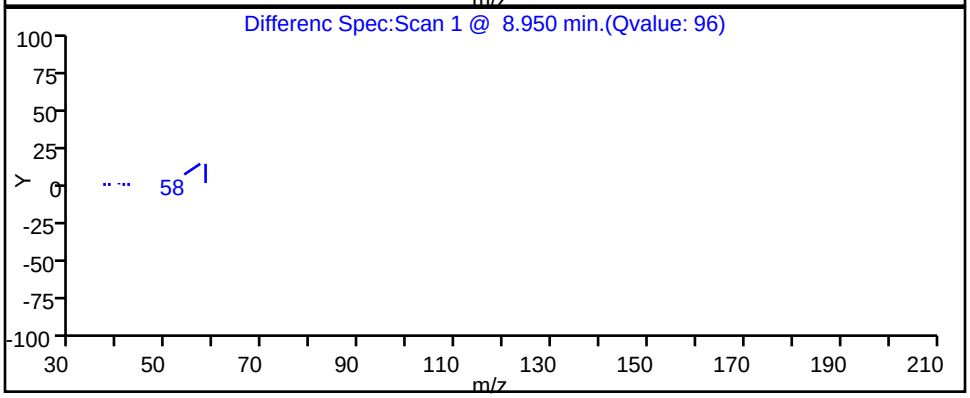








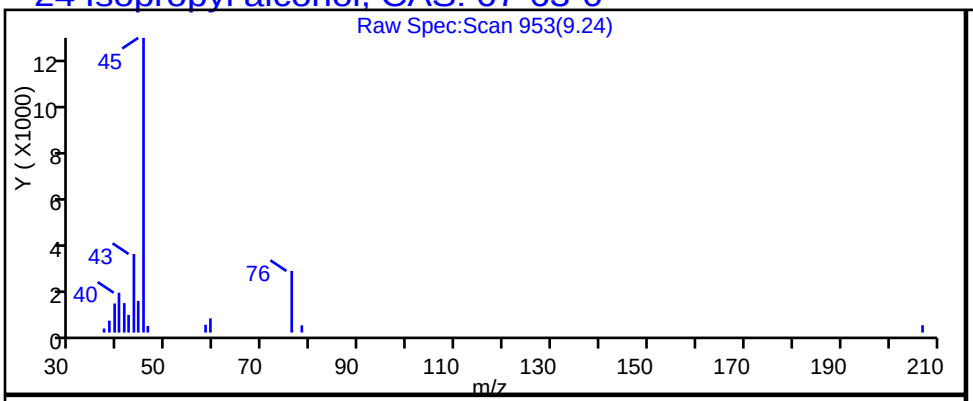


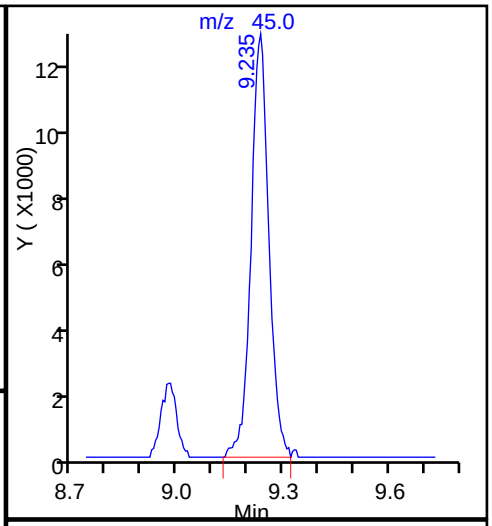


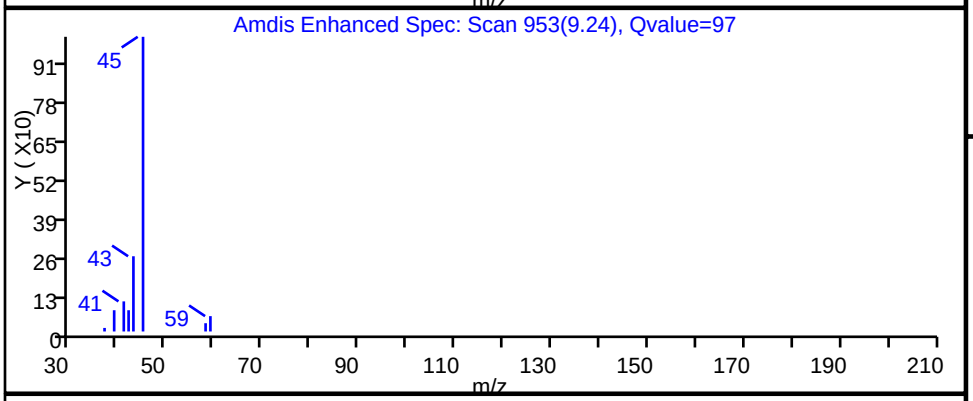
TestAmerica Burlington

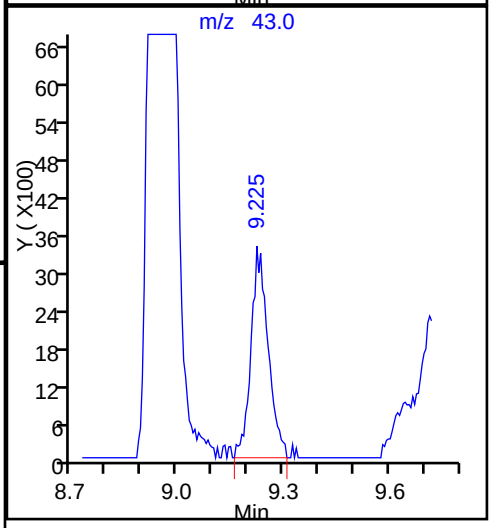
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

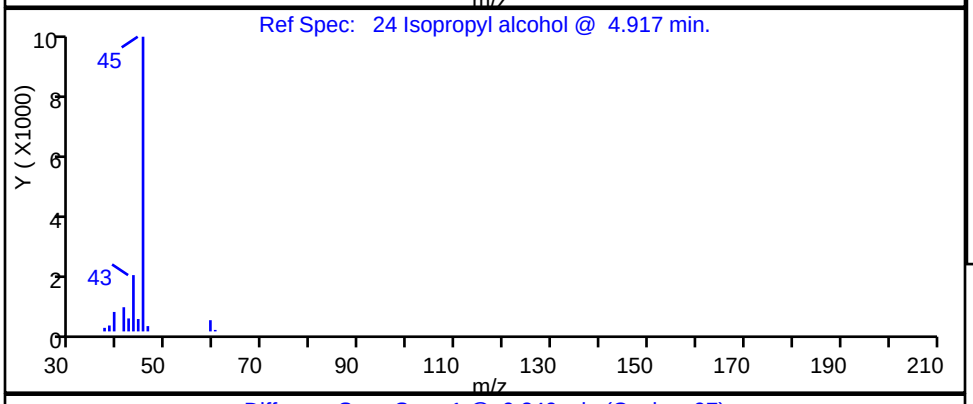
24 Isopropyl alcohol, CAS: 67-63-0

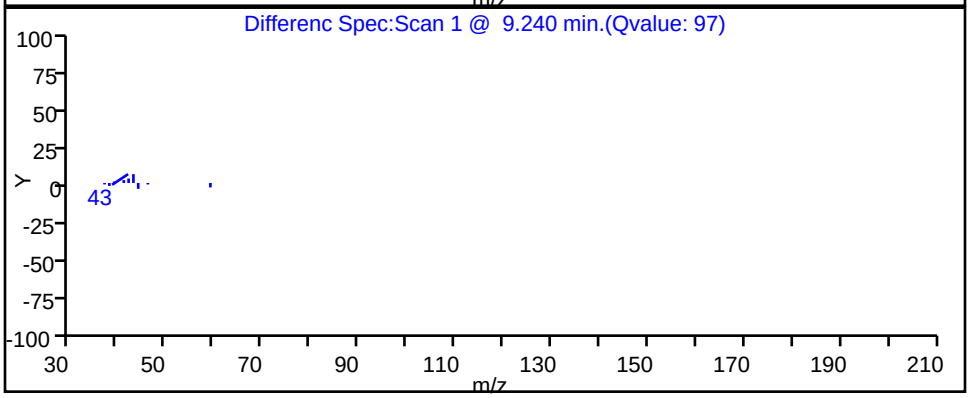








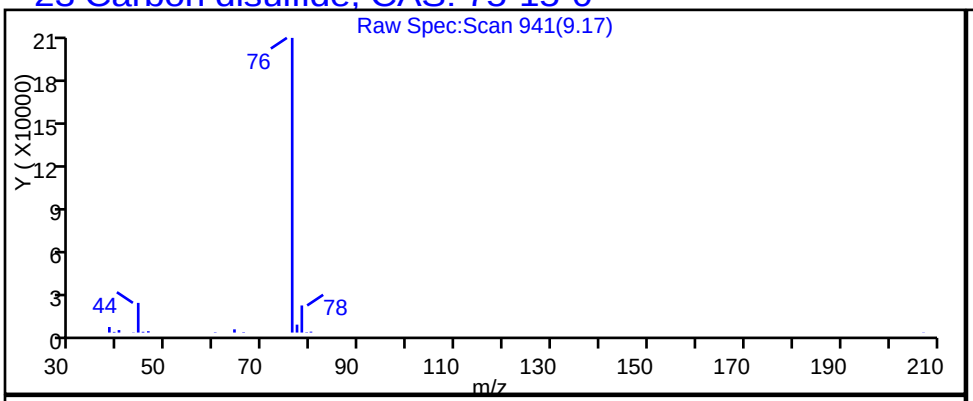


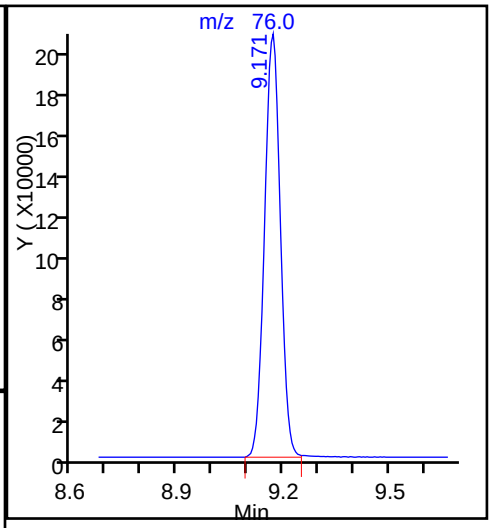


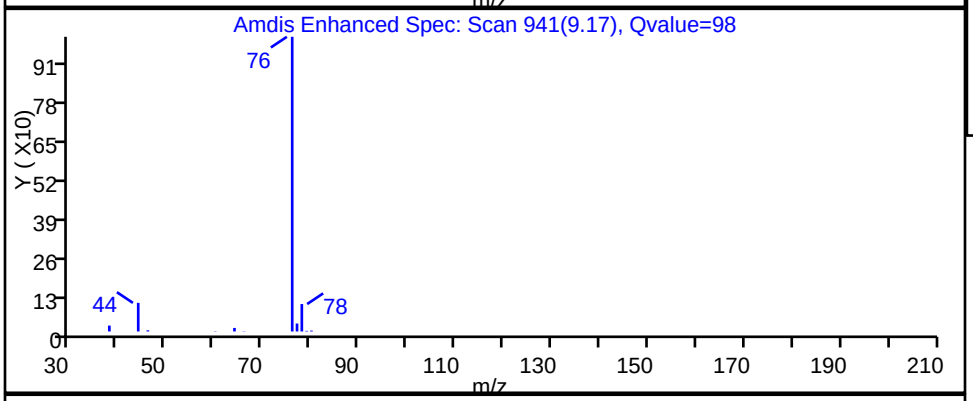
TestAmerica Burlington

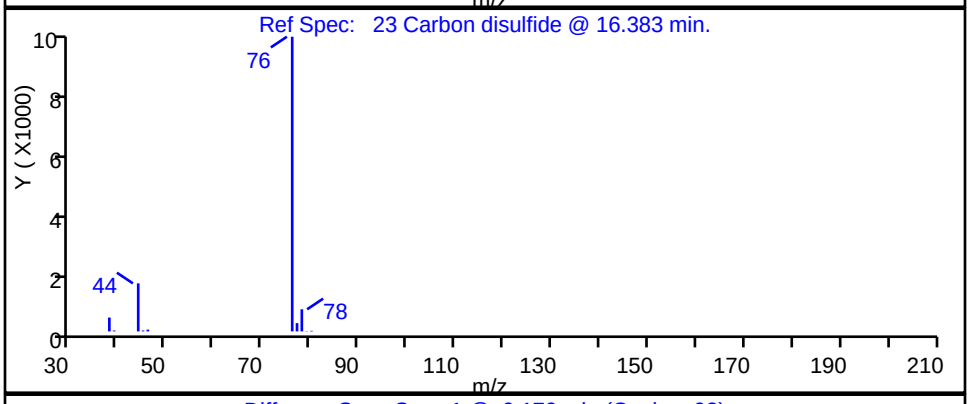
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

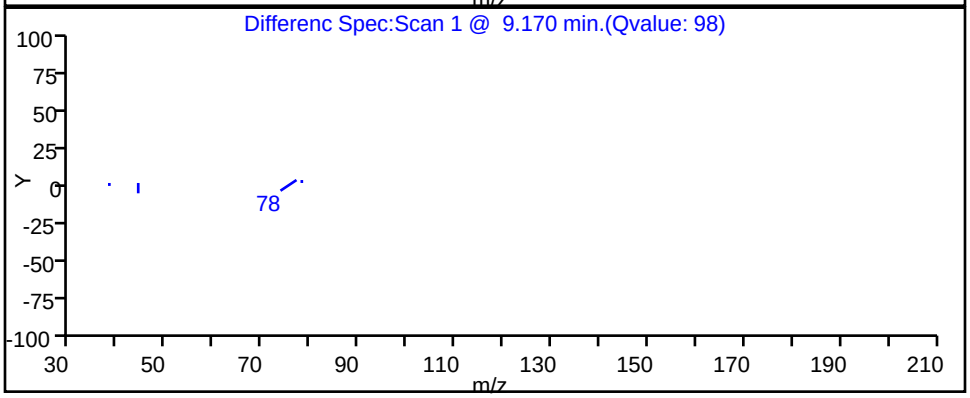
23 Carbon disulfide, CAS: 75-15-0







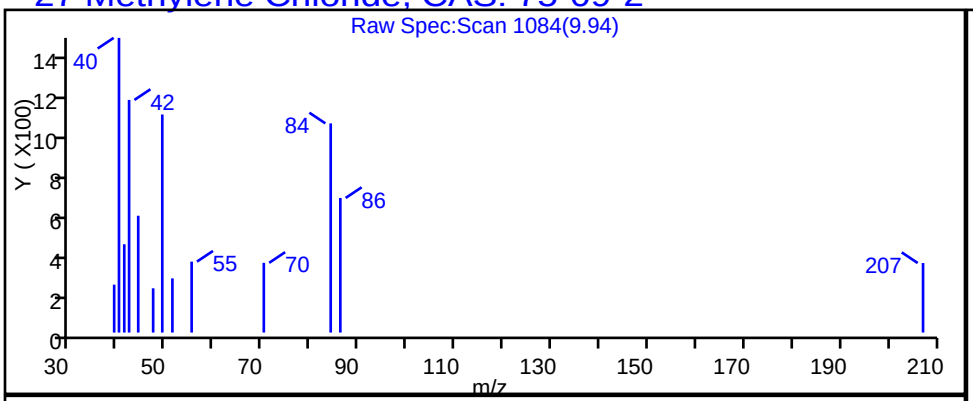


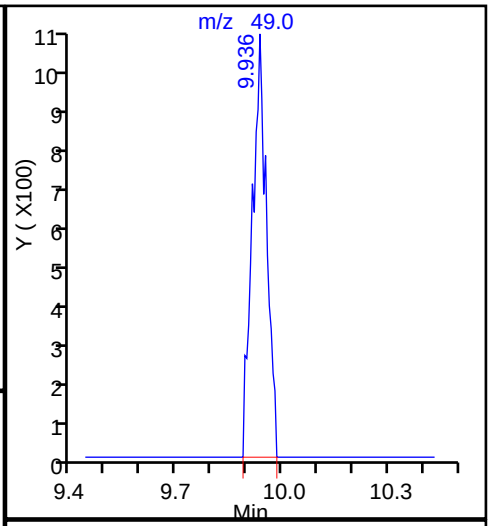


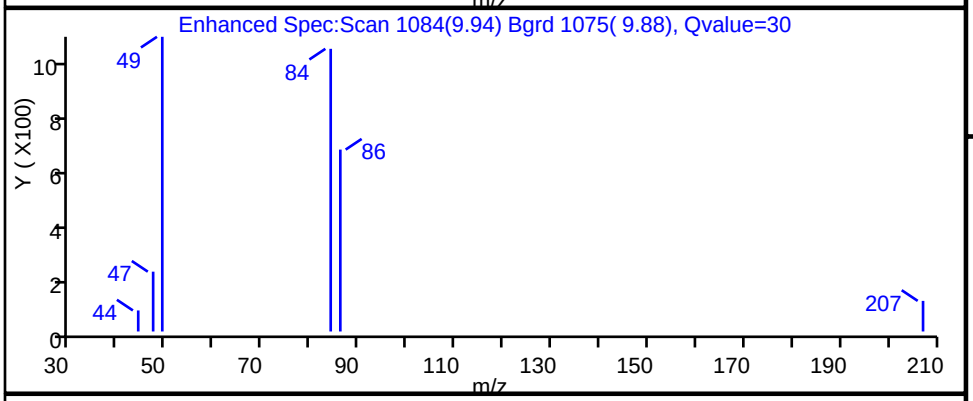
TestAmerica Burlington

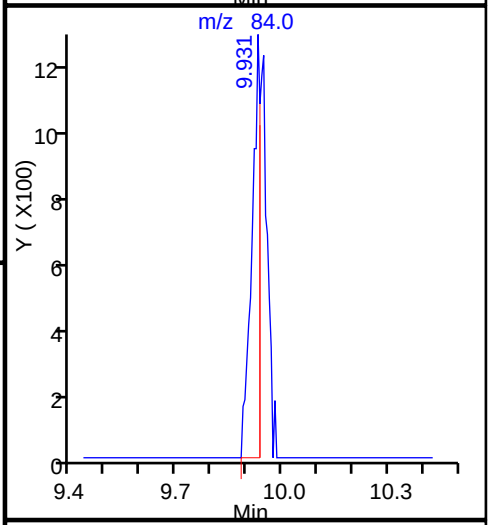
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

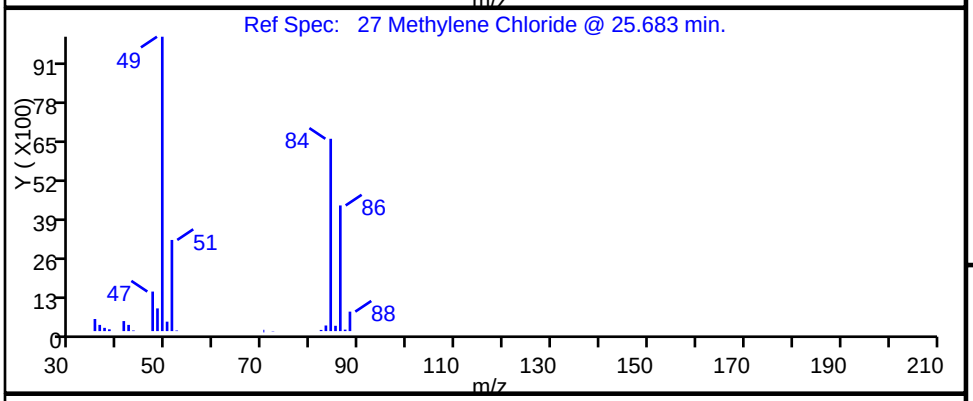
27 Methylene Chloride, CAS: 75-09-2

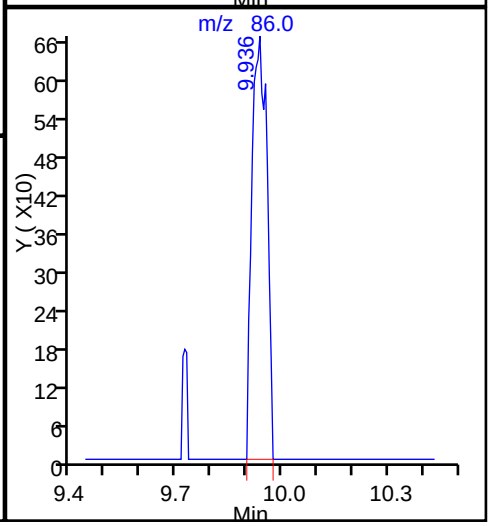


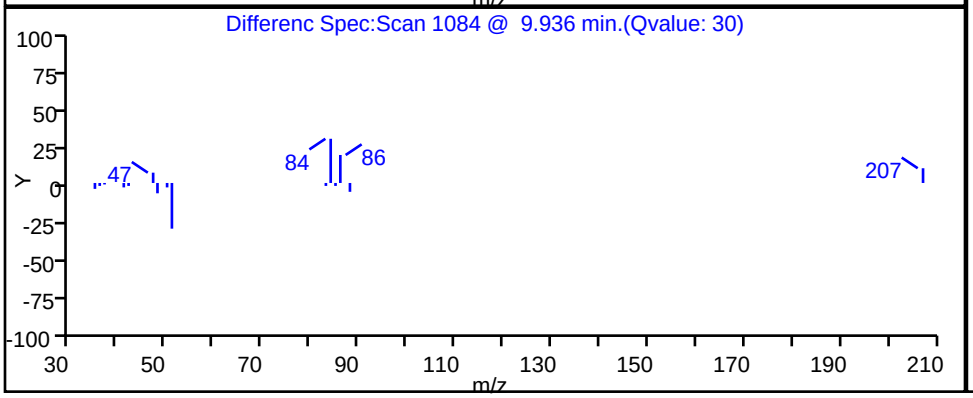






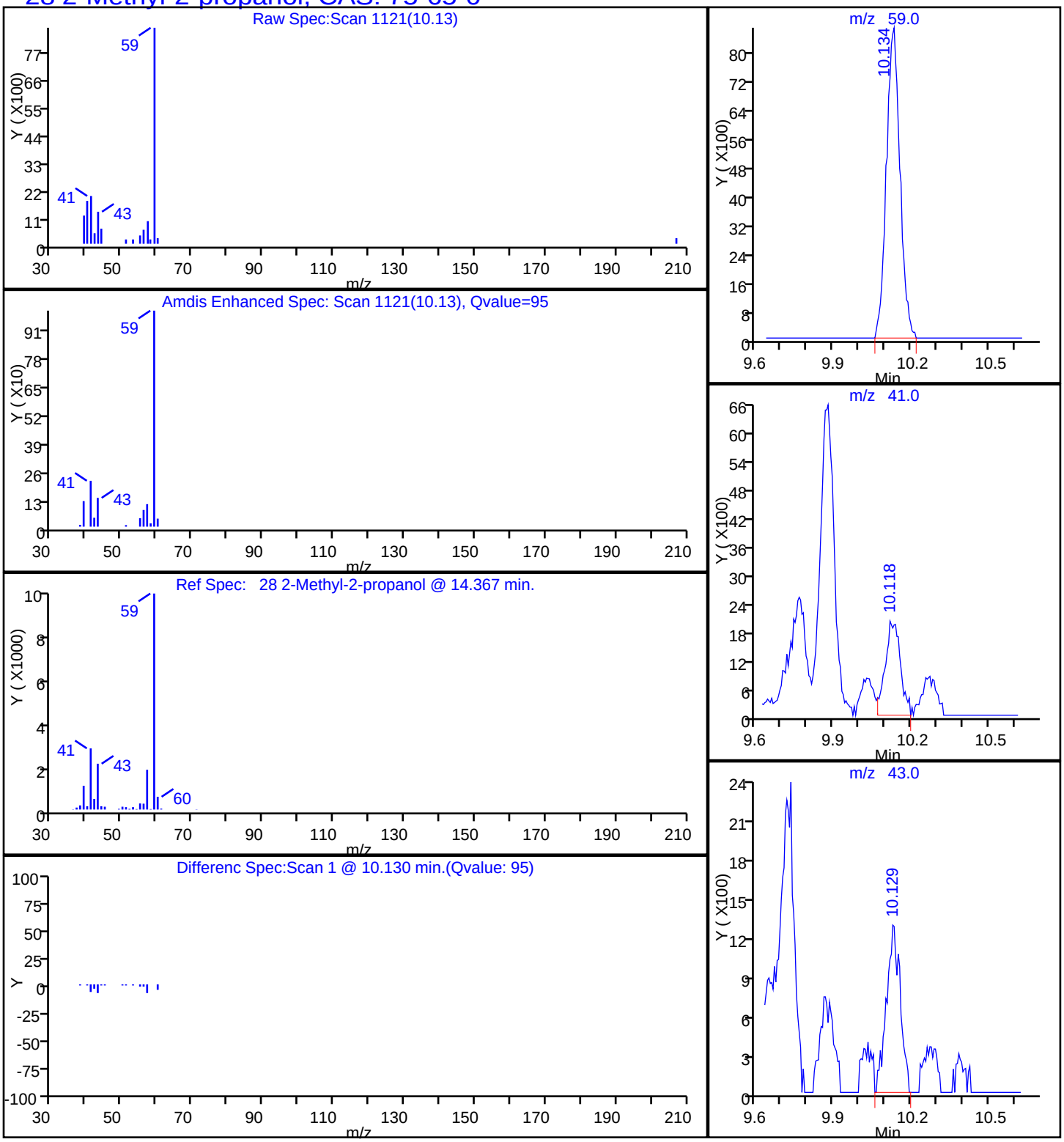






Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

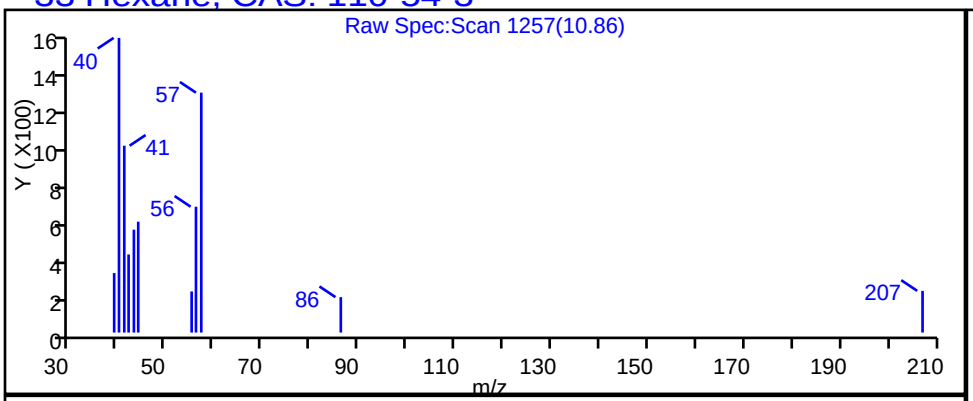
28 2-Methyl-2-propanol, CAS: 75-65-0

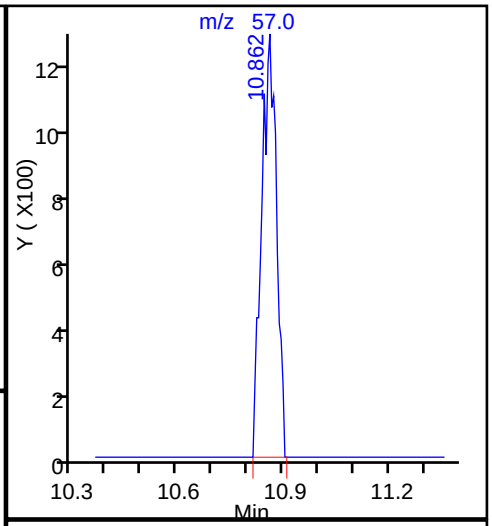


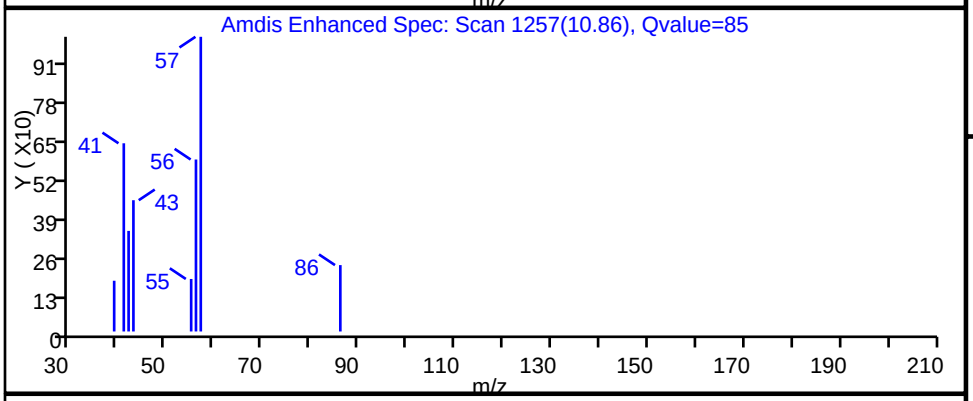
TestAmerica Burlington

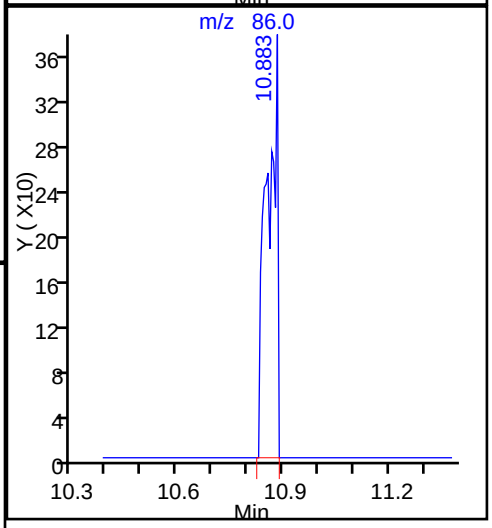
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

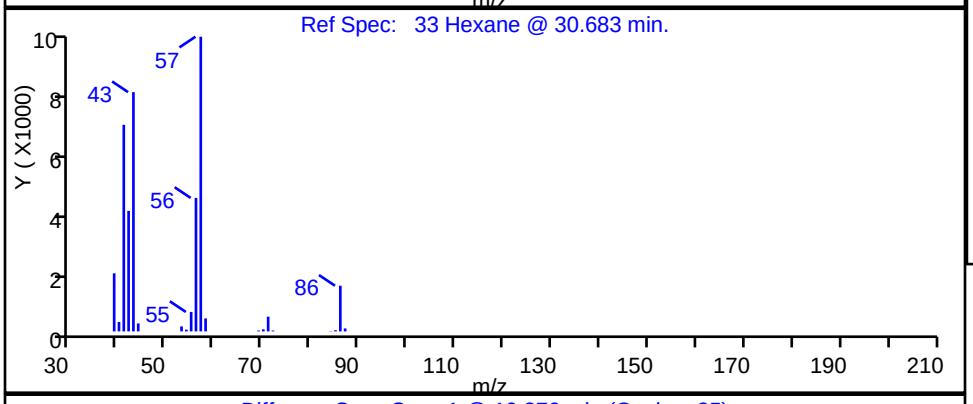
33 Hexane, CAS: 110-54-3

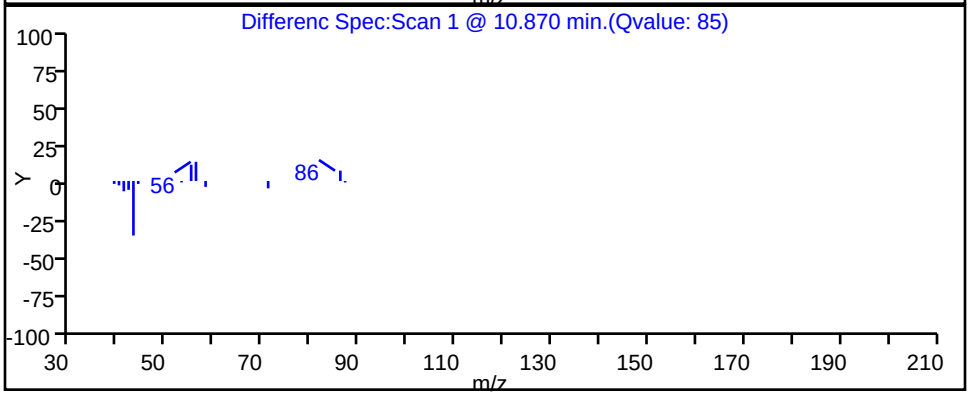






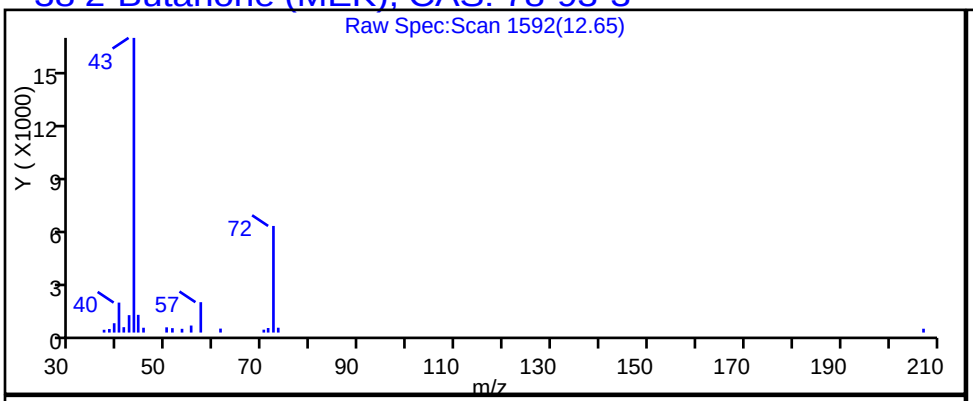


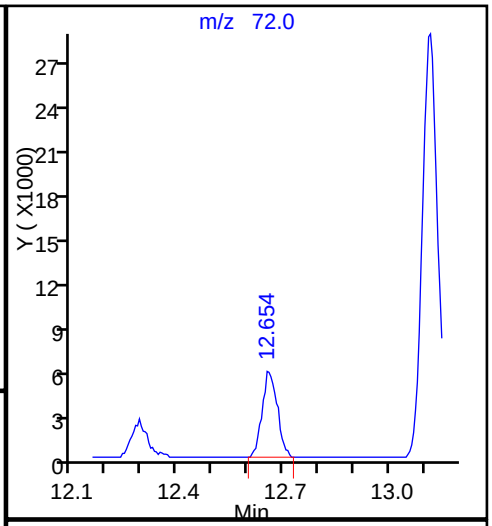


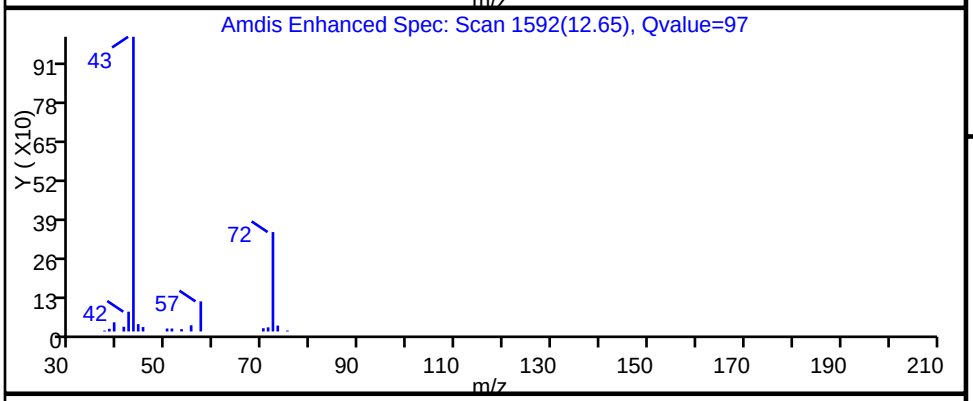


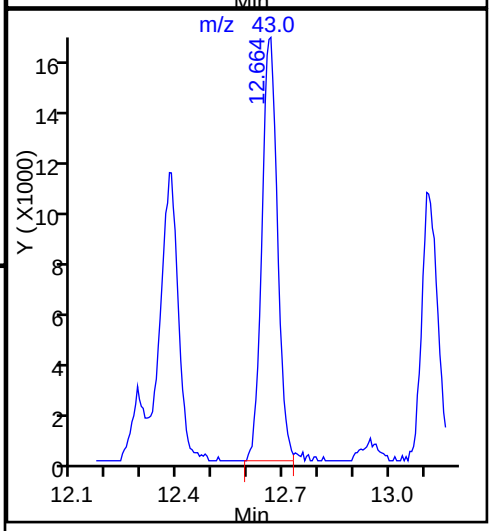
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

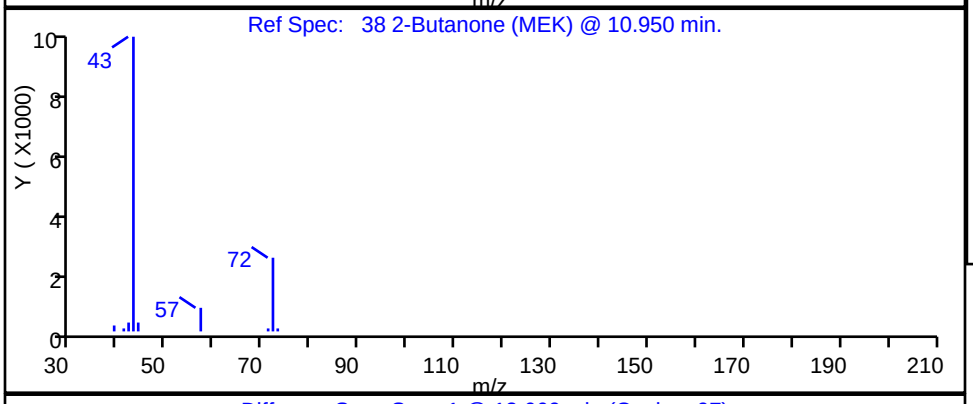
38 2-Butanone (MEK), CAS: 78-93-3

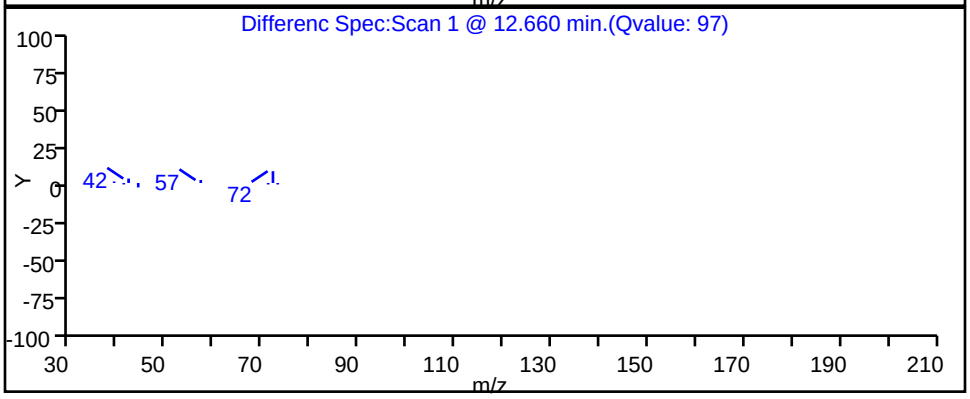






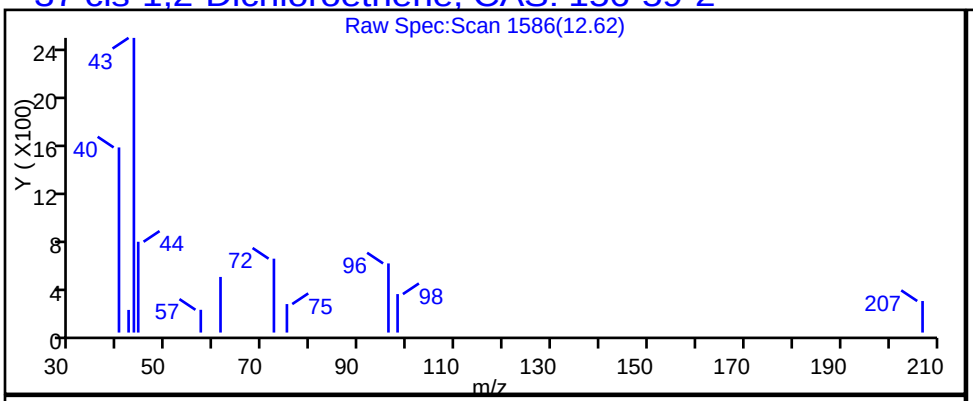


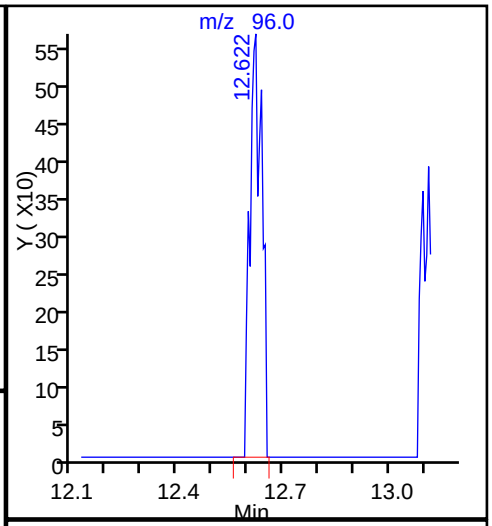


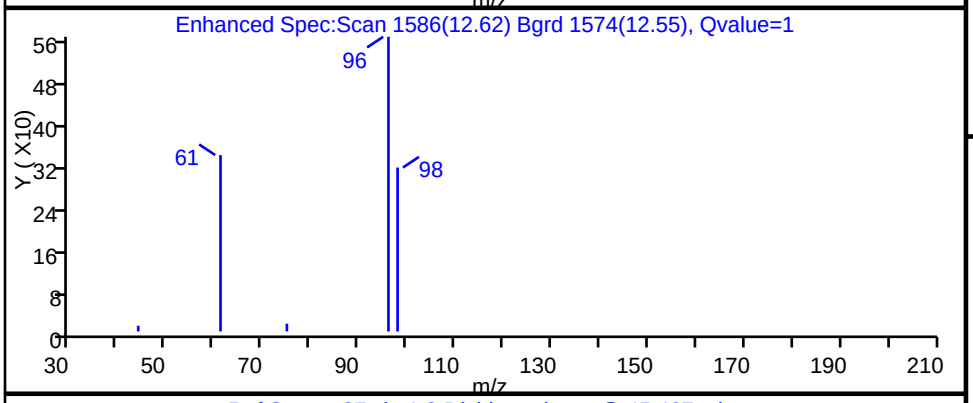


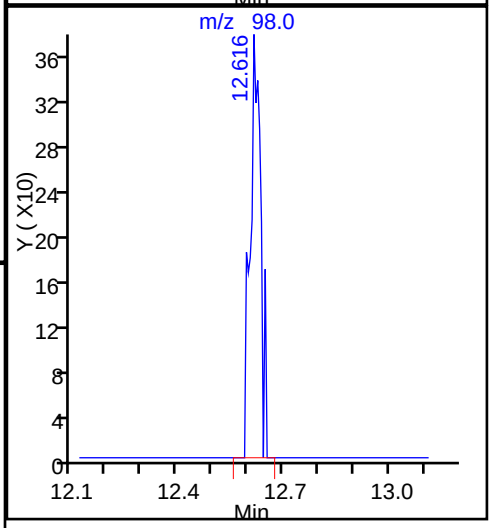
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

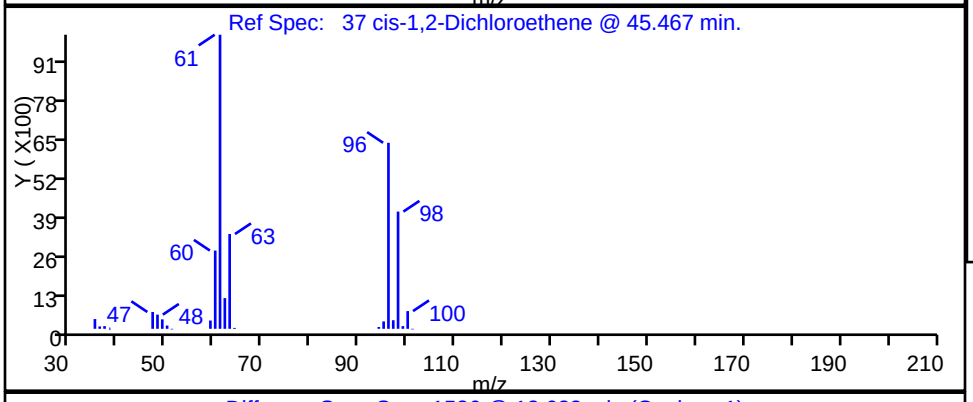
37 cis-1,2-Dichloroethene, CAS: 156-59-2

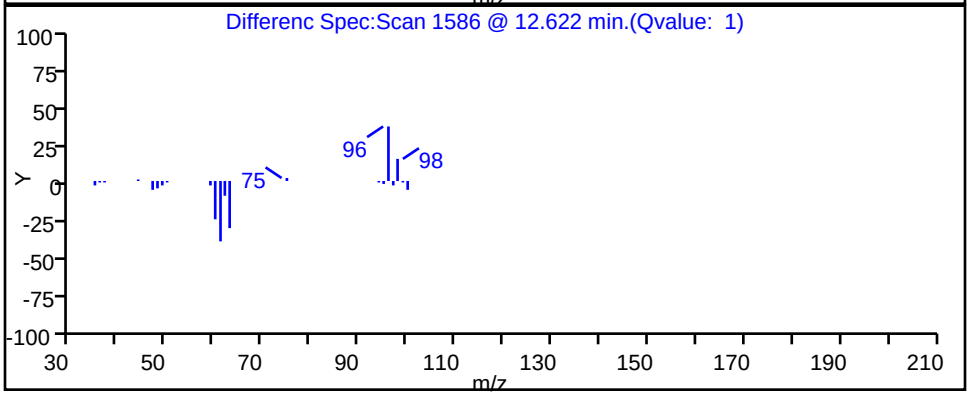






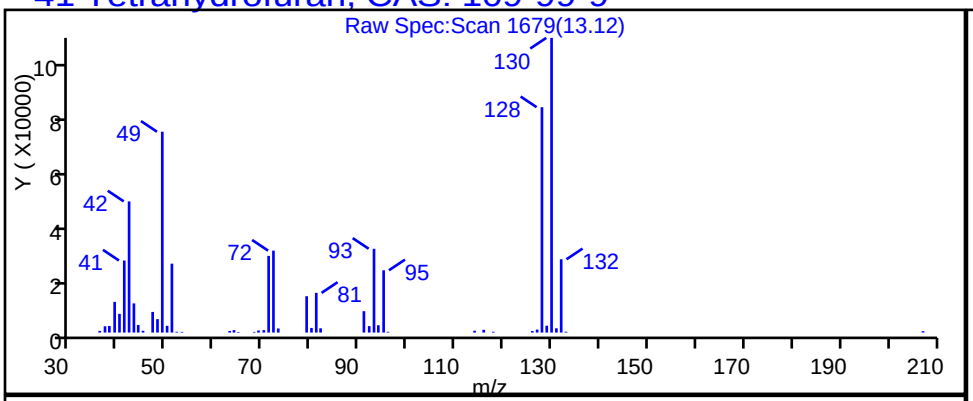


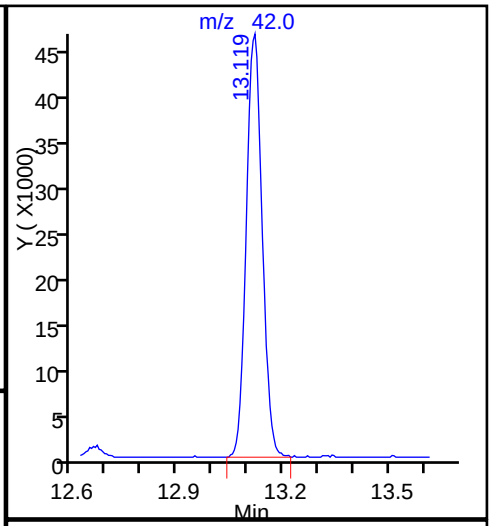


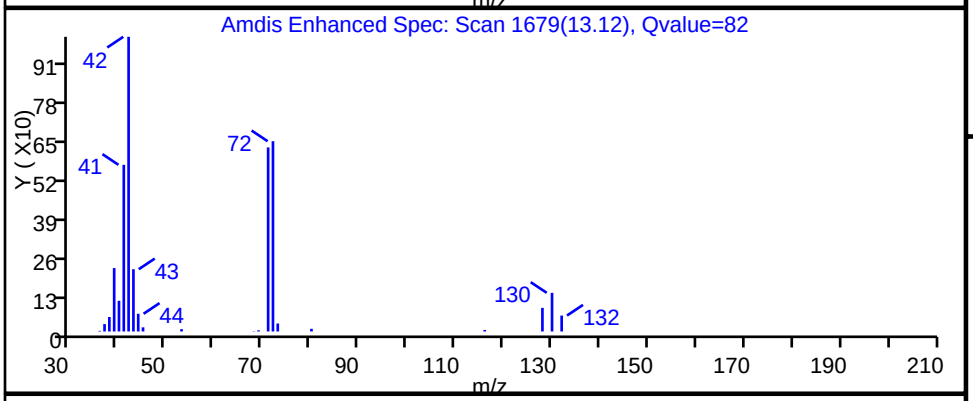


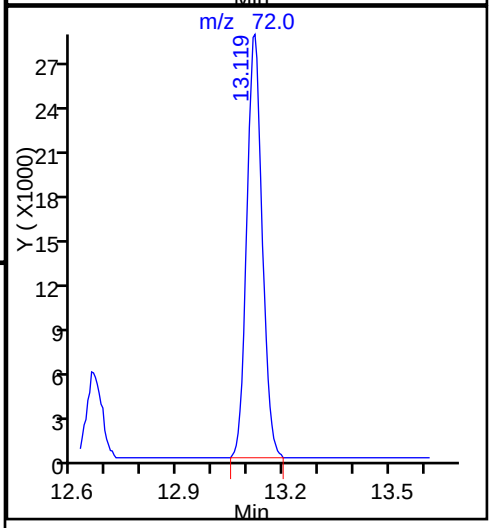
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

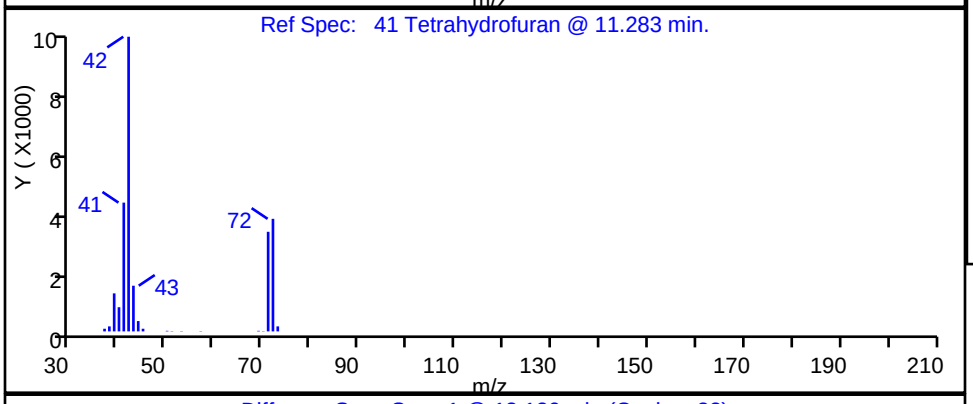
41 Tetrahydrofuran, CAS: 109-99-9

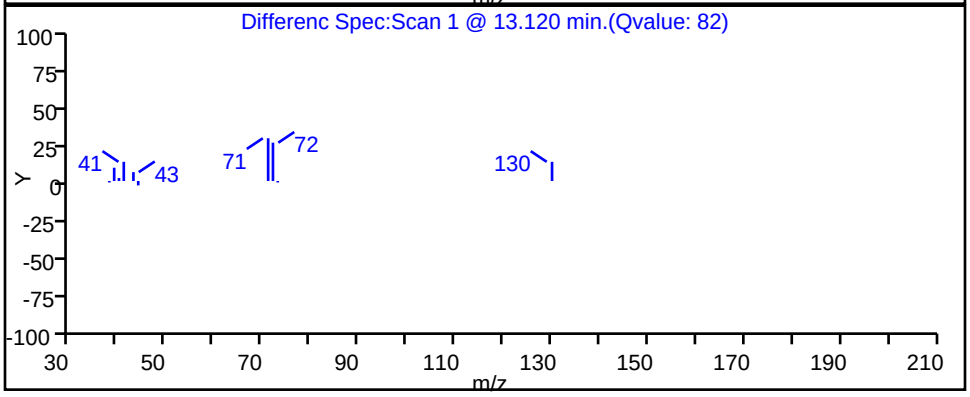








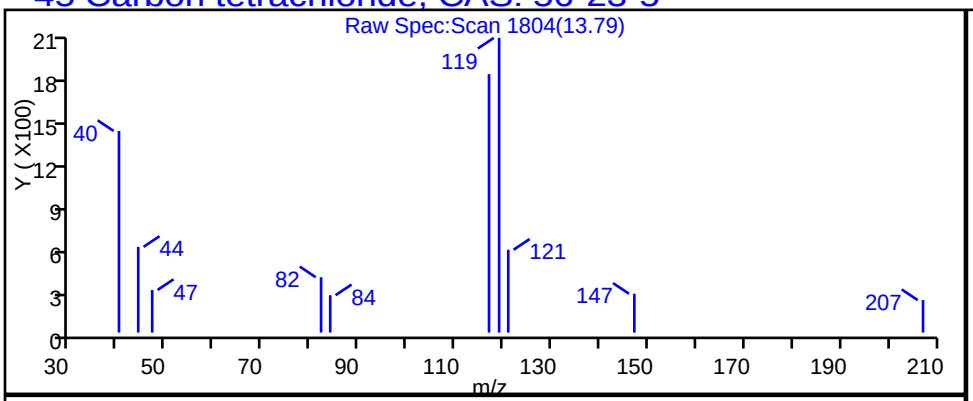


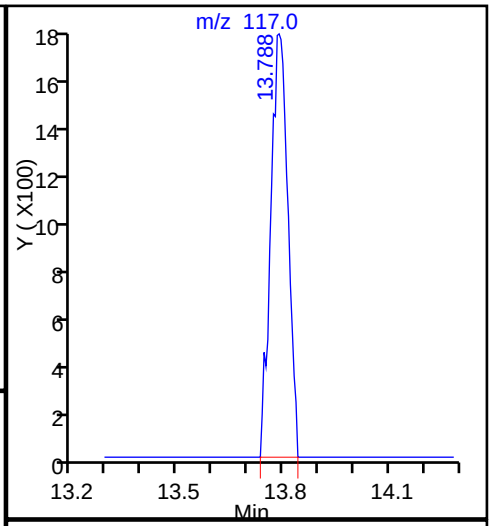


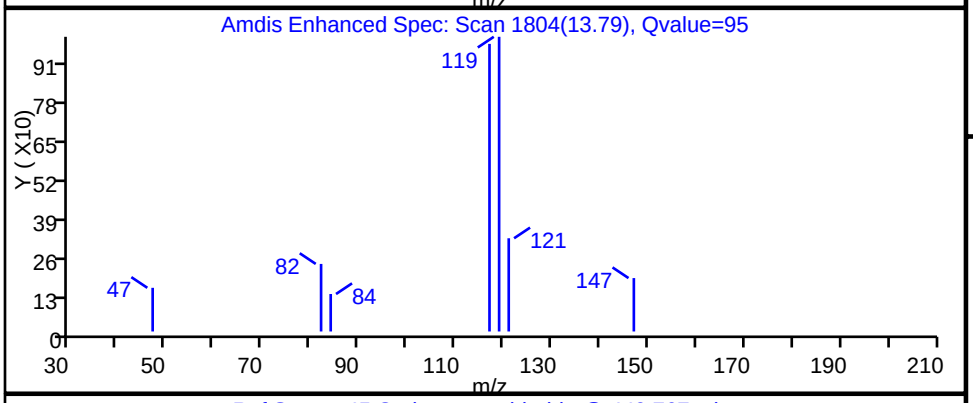
TestAmerica Burlington

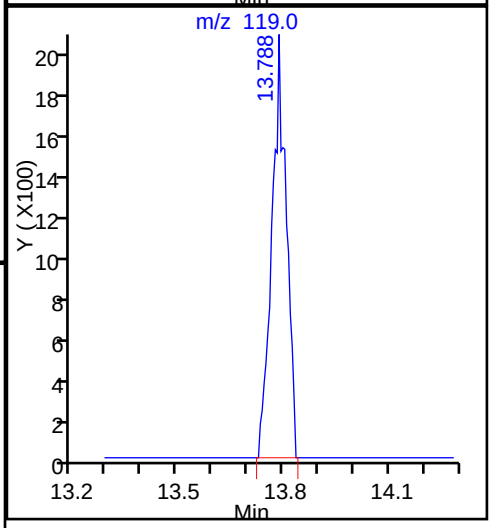
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

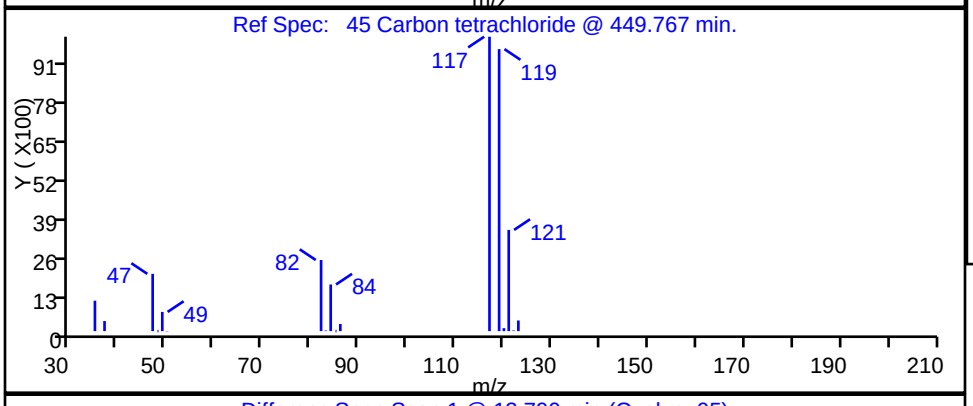
45 Carbon tetrachloride, CAS: 56-23-5

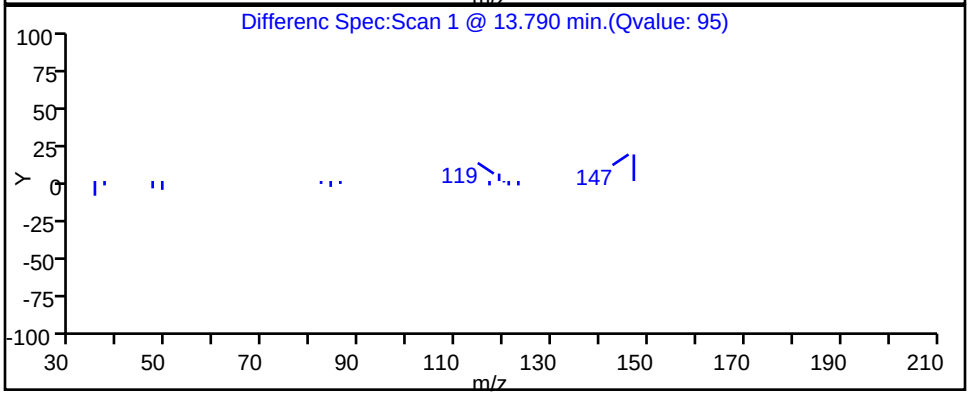








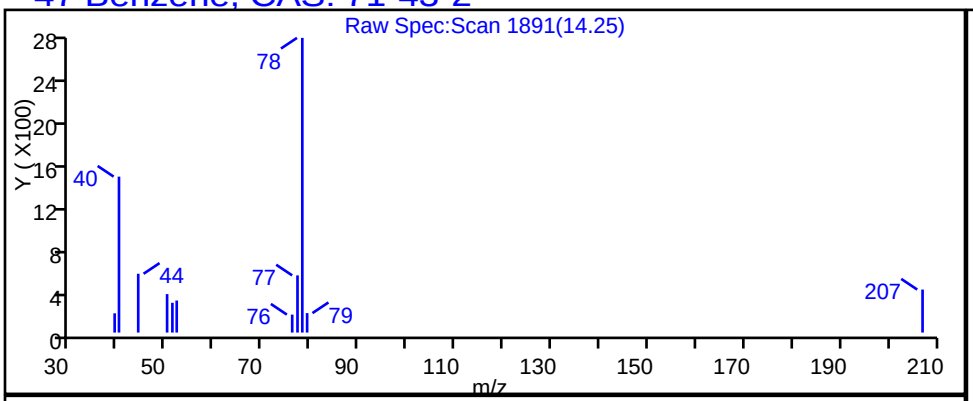


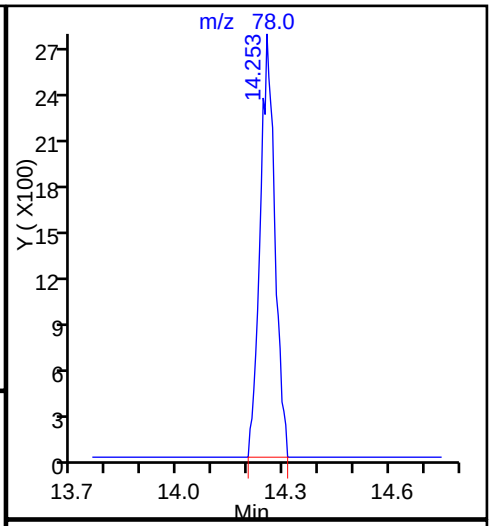


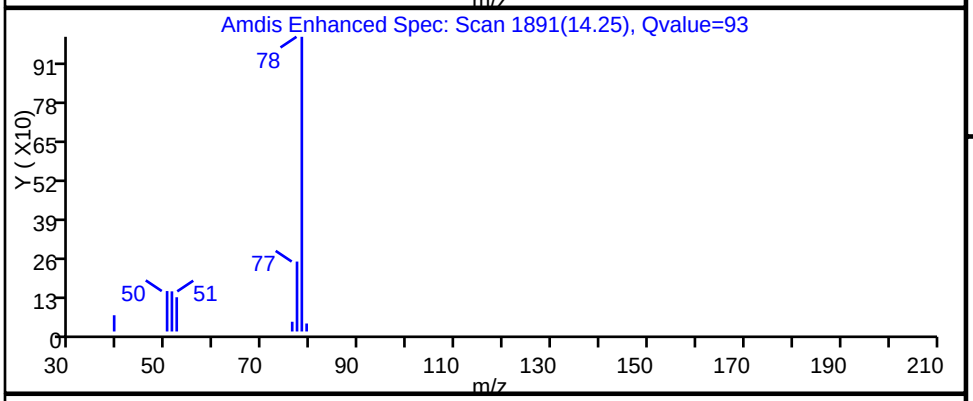
TestAmerica Burlington

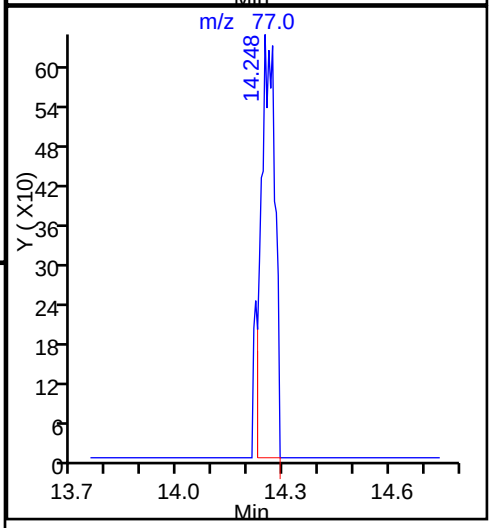
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

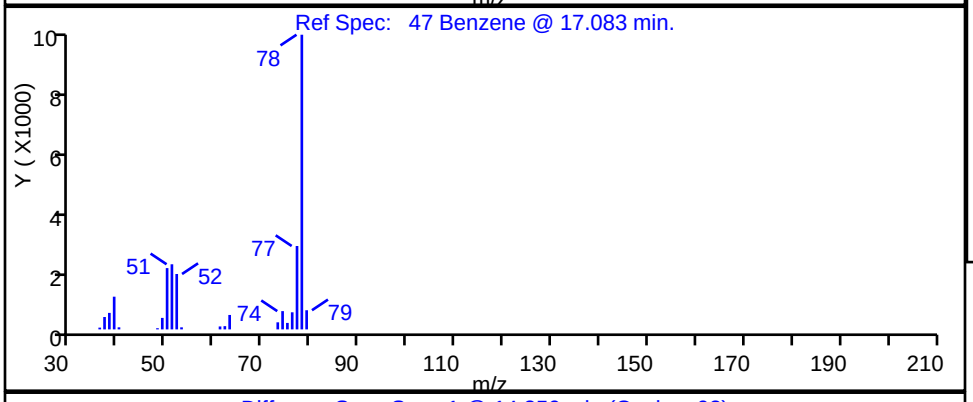
47 Benzene, CAS: 71-43-2

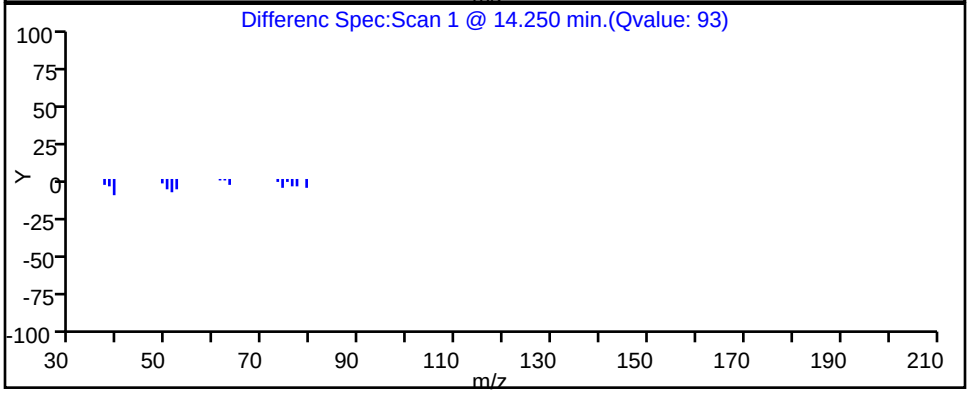






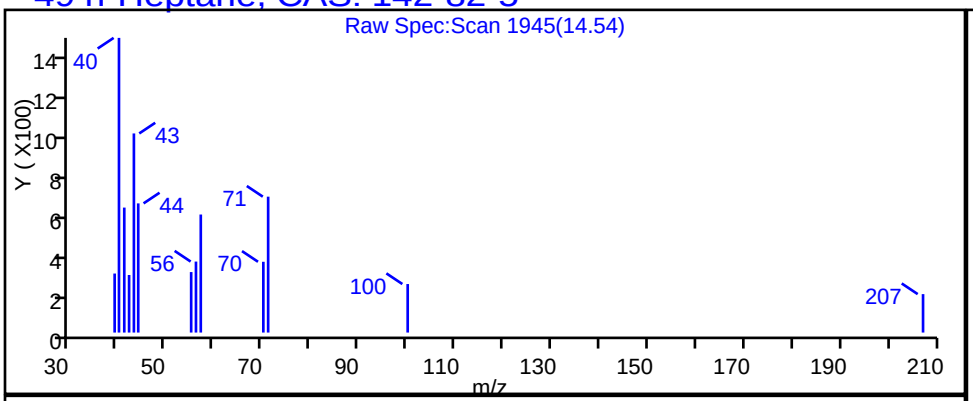


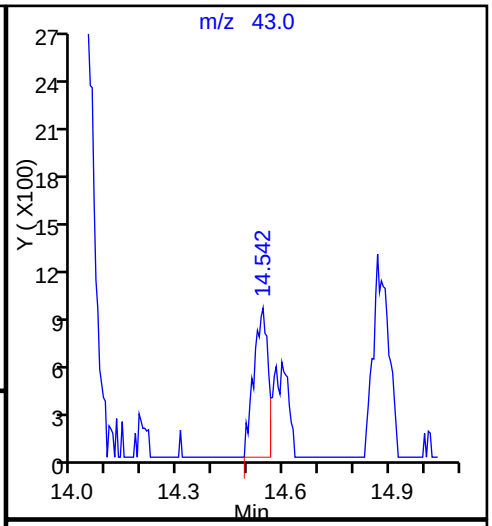


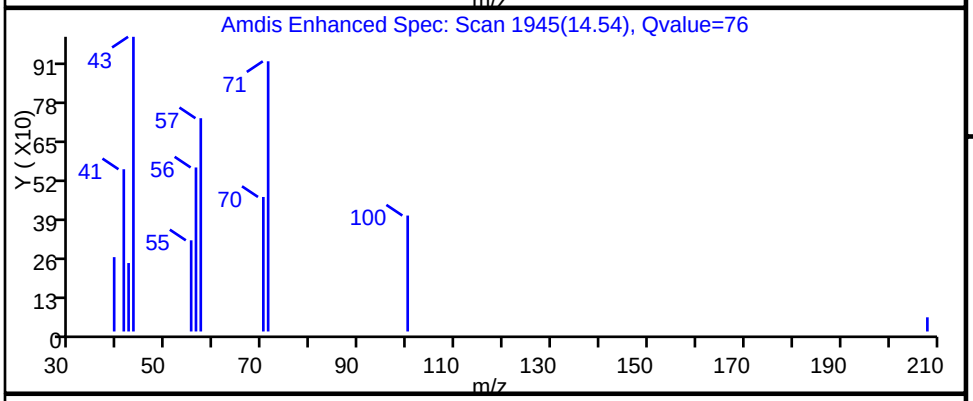


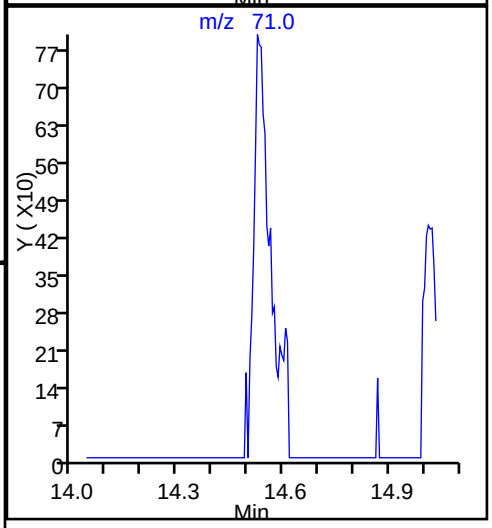
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

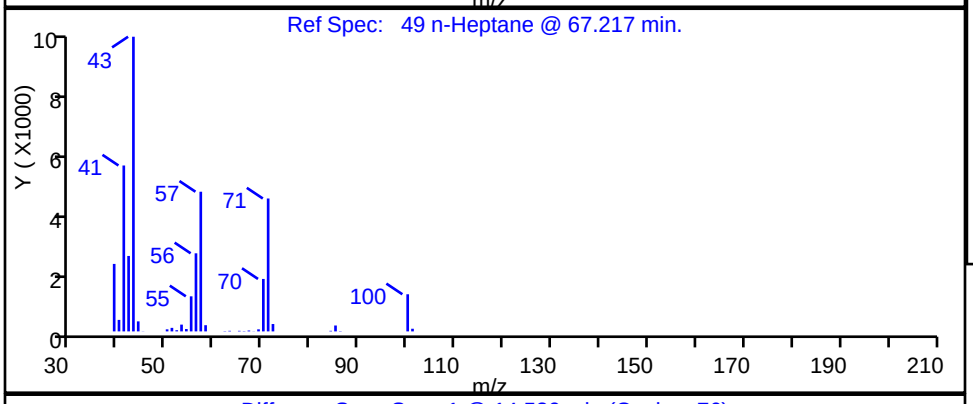
49 n-Heptane, CAS: 142-82-5

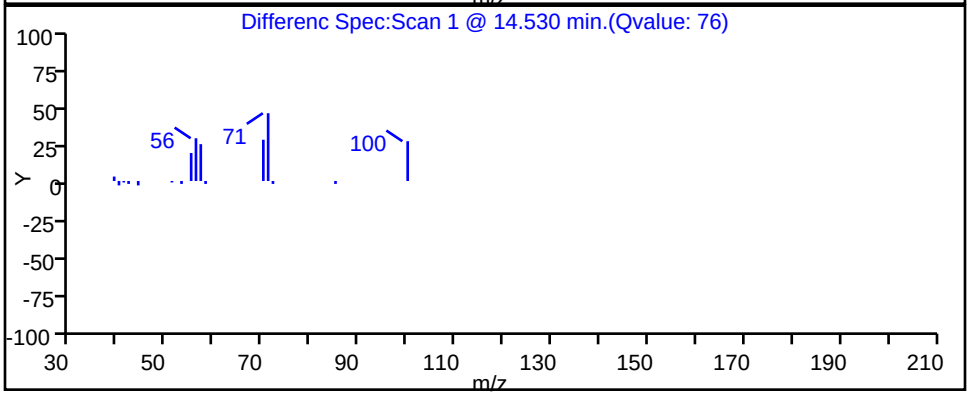






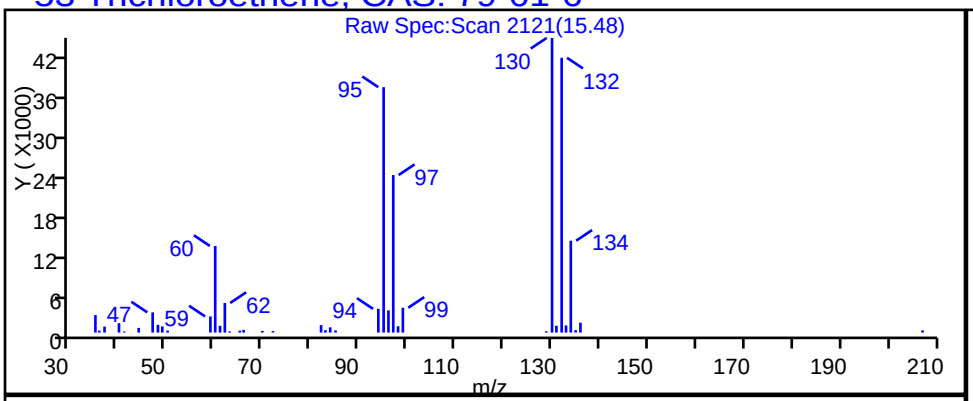


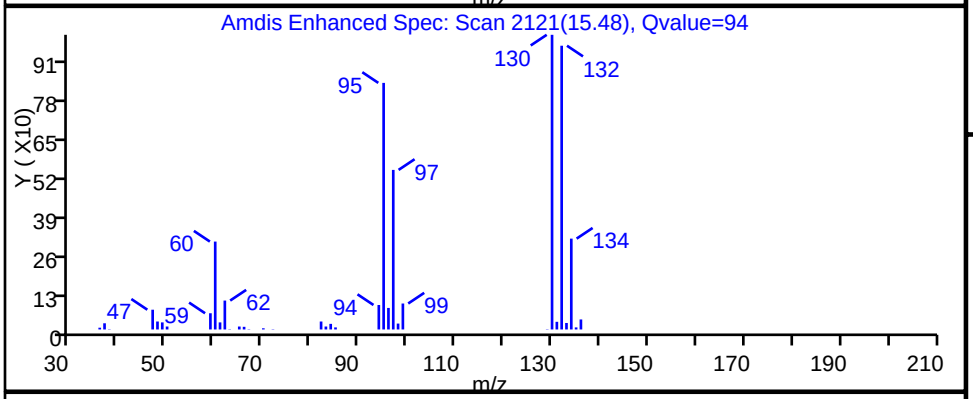


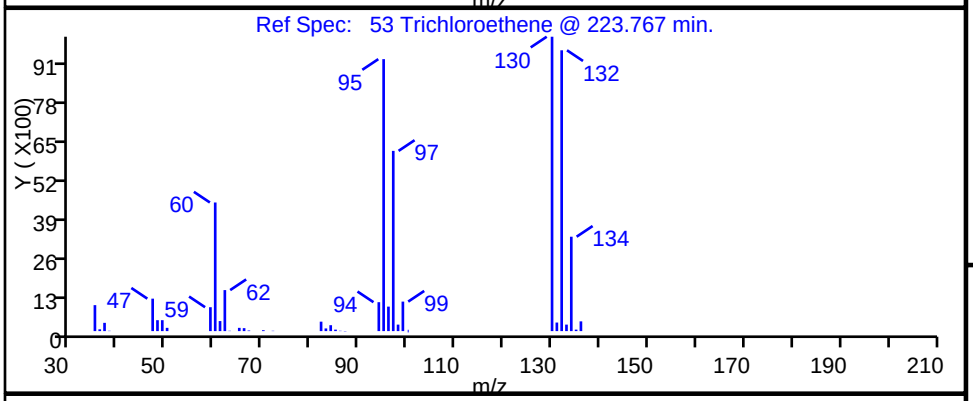


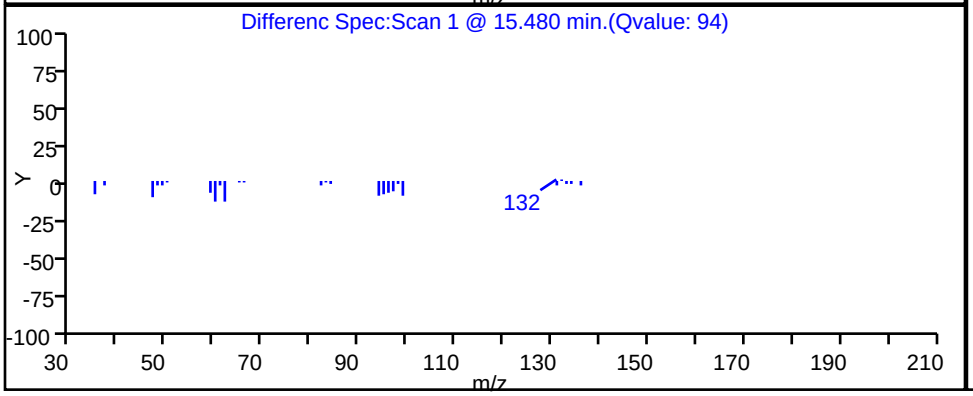
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

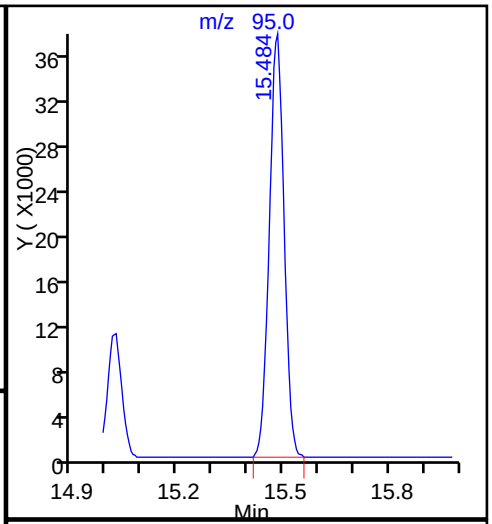
53 Trichloroethene, CAS: 79-01-6

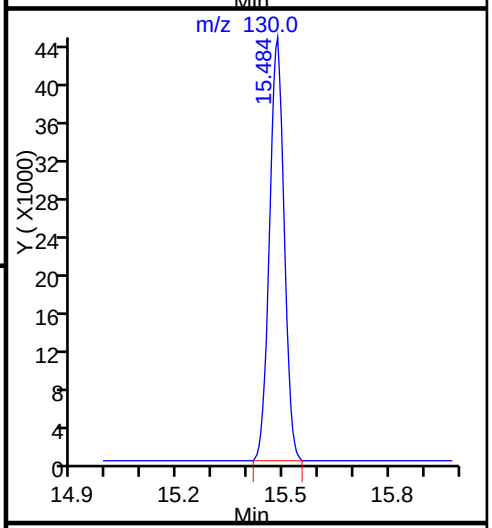


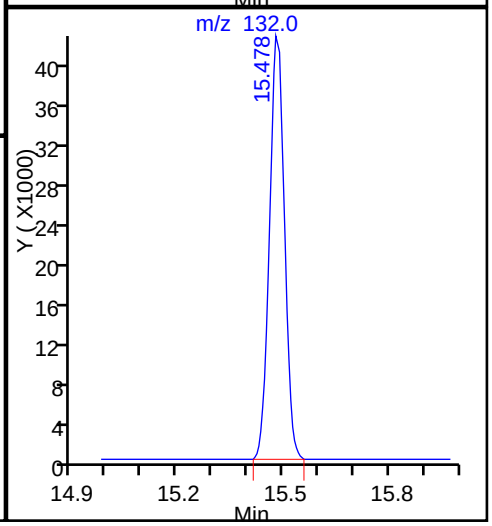






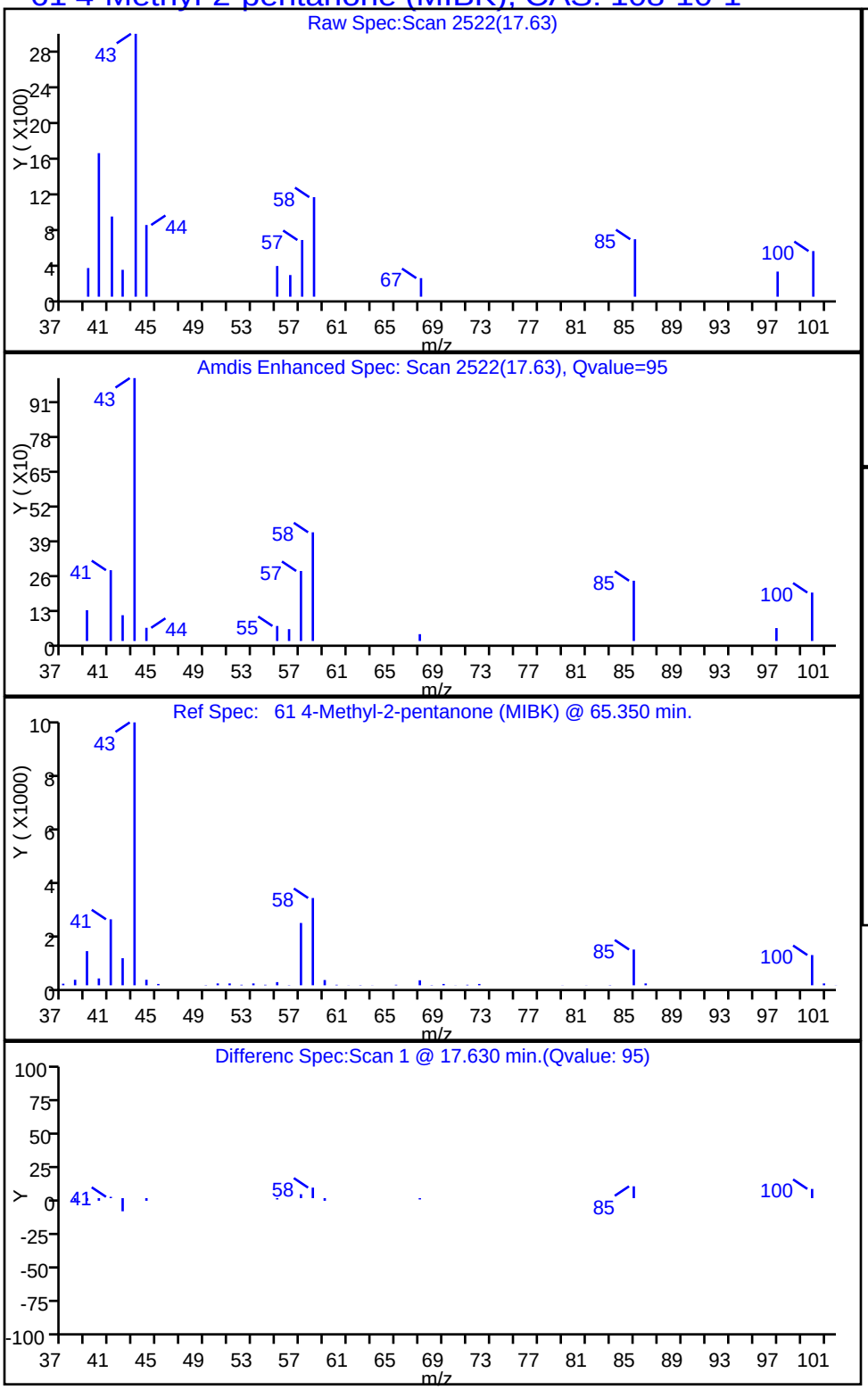


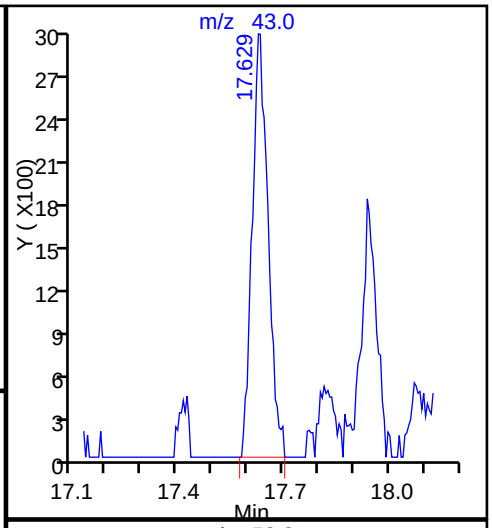


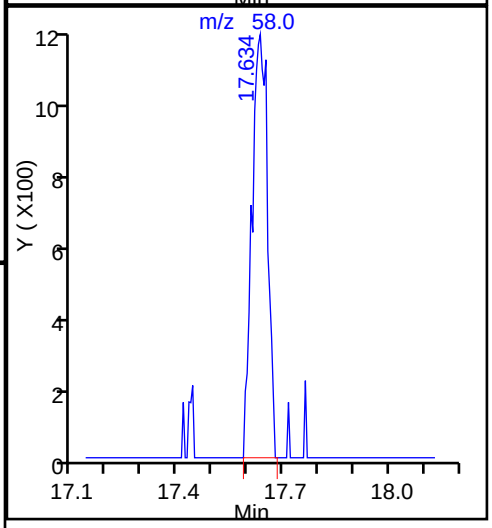


Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



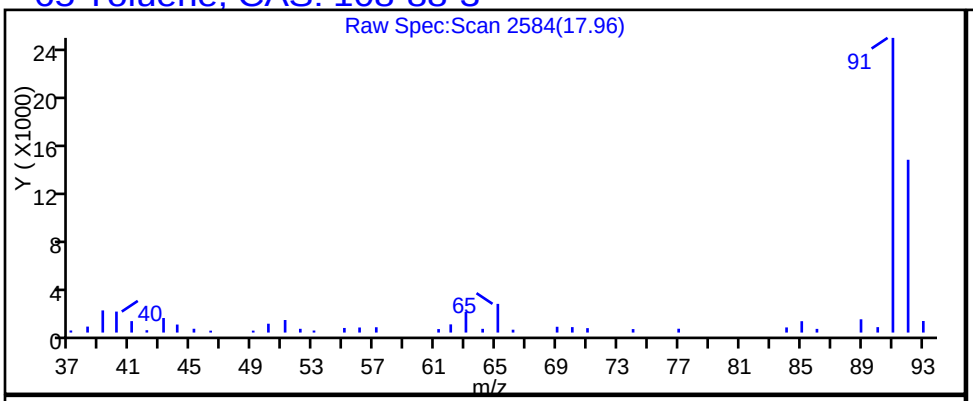


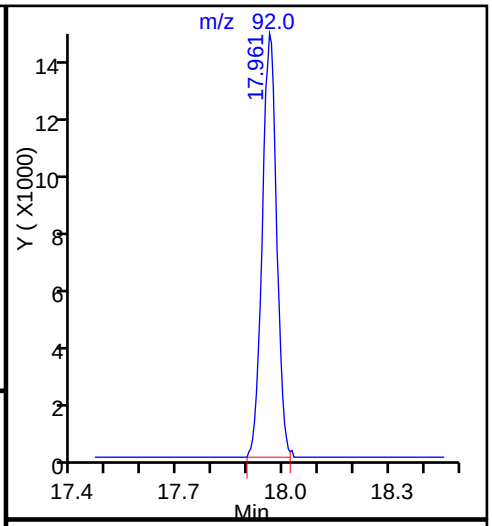


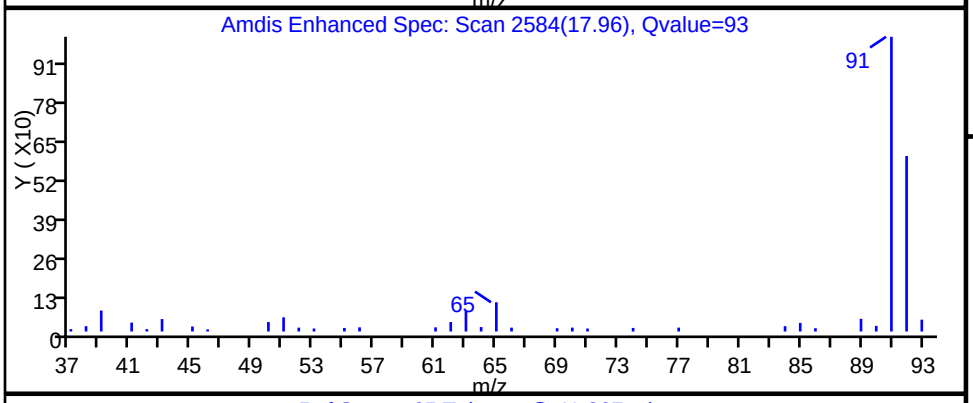
TestAmerica Burlington

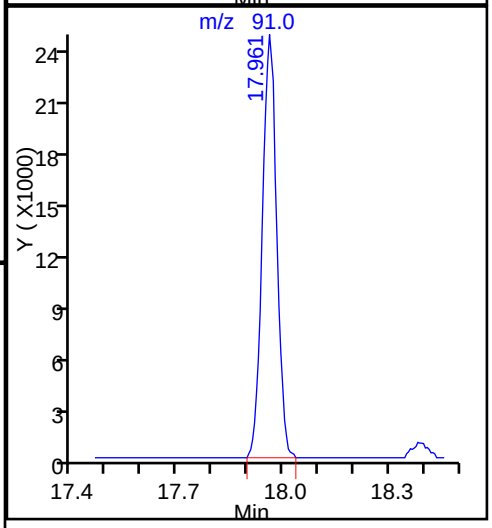
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

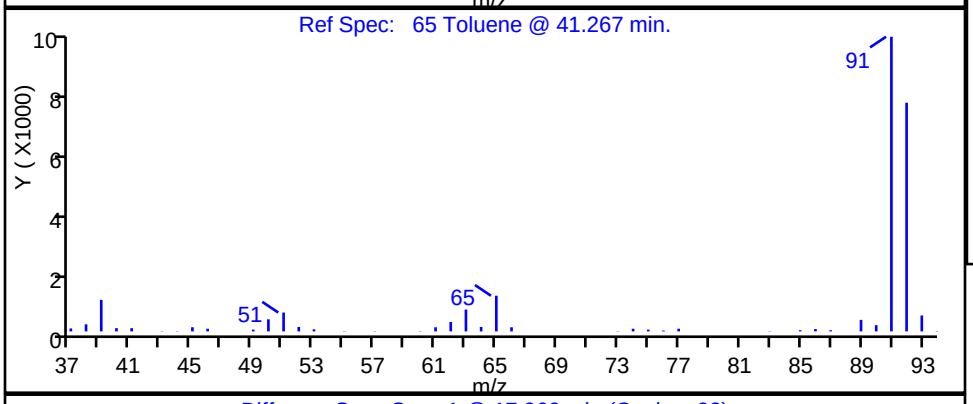
65 Toluene, CAS: 108-88-3

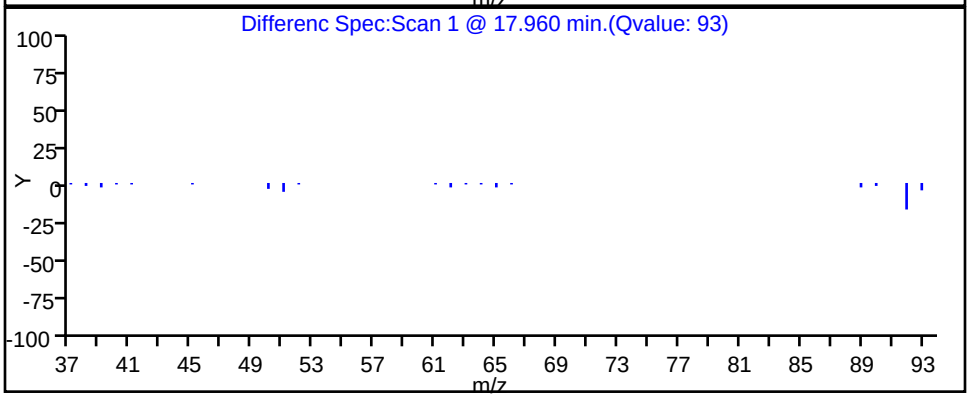








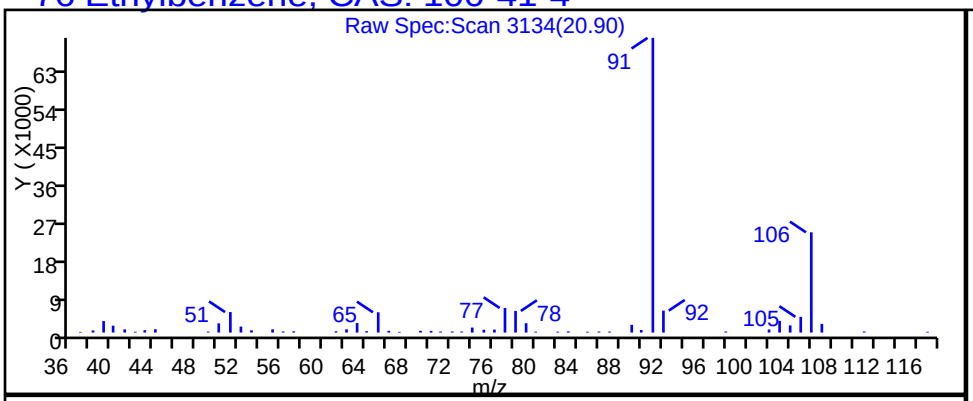


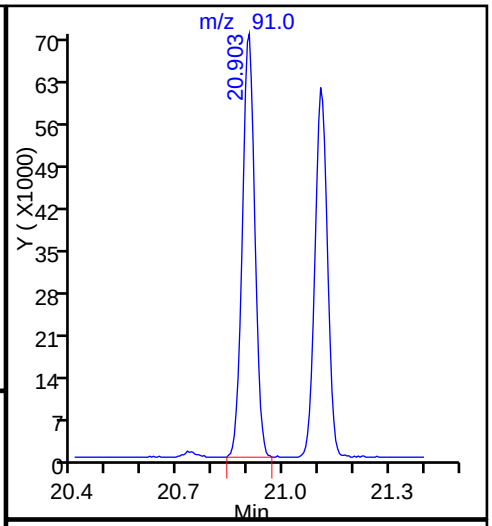


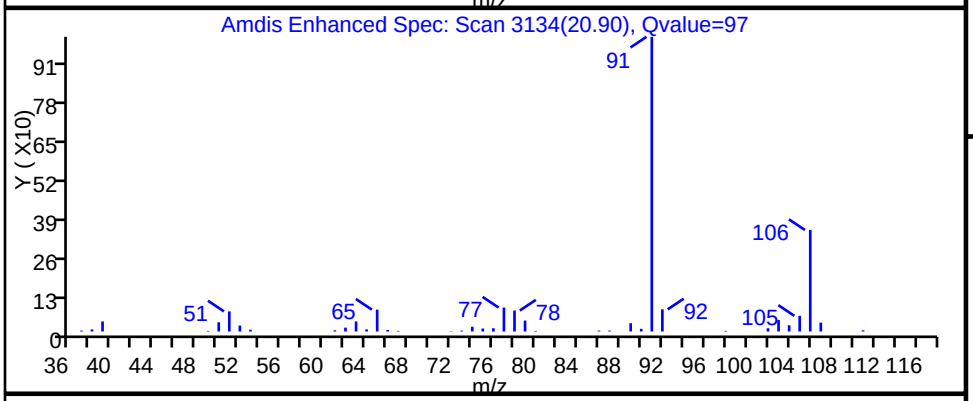
TestAmerica Burlington

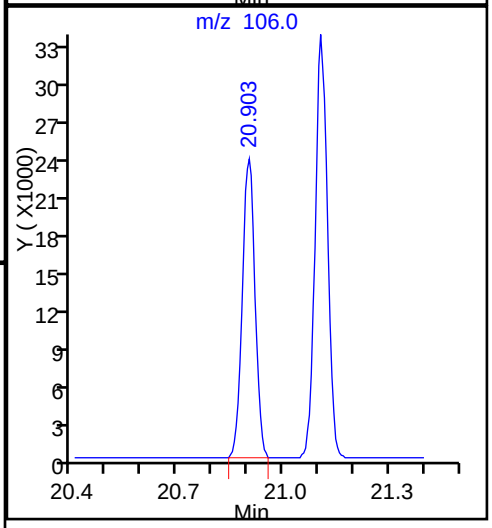
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

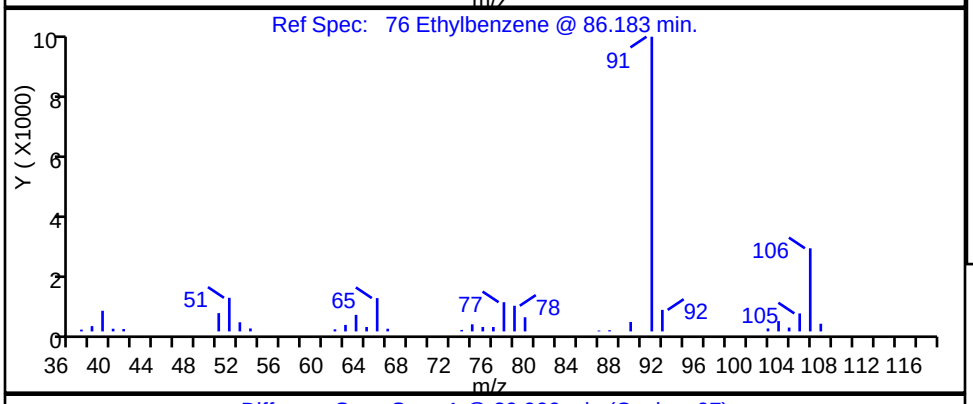
76 Ethylbenzene, CAS: 100-41-4

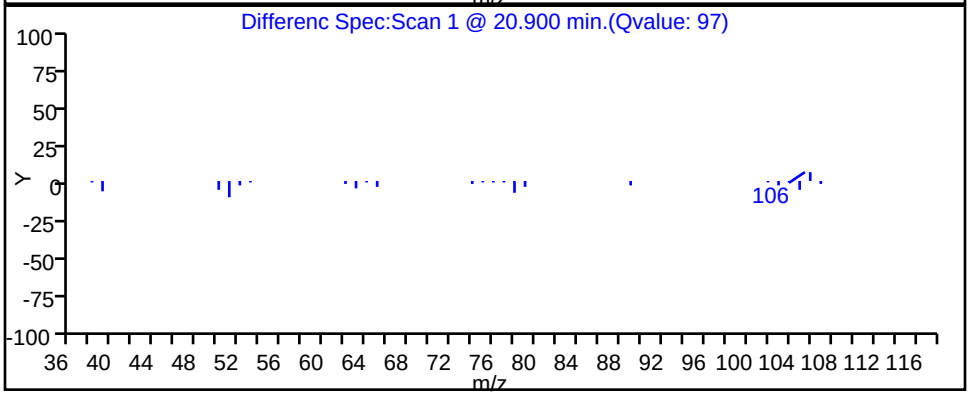






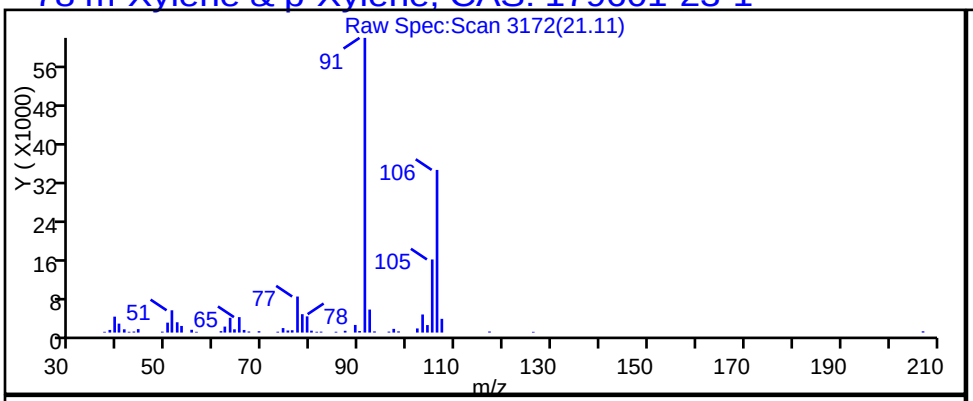


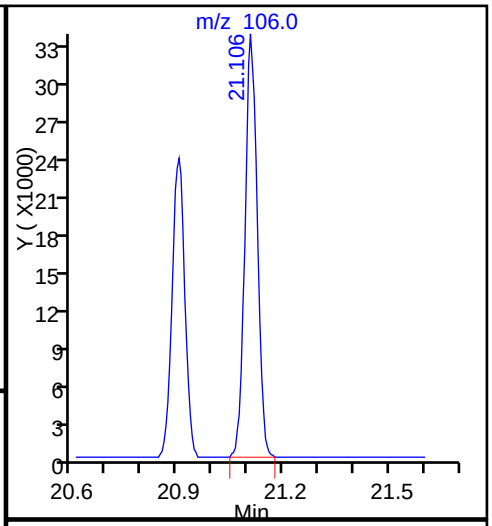


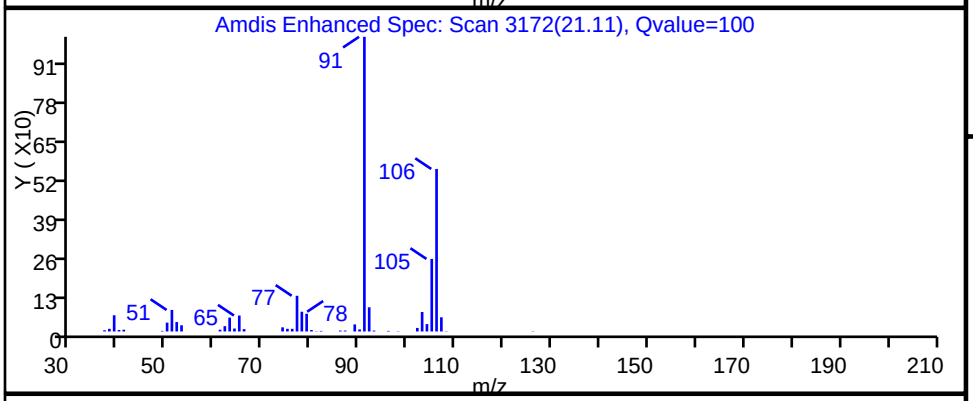


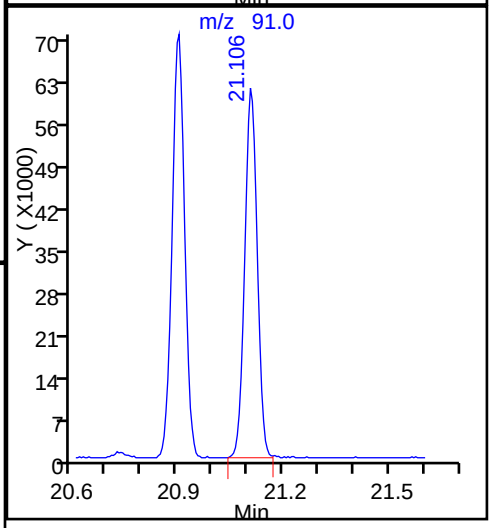
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

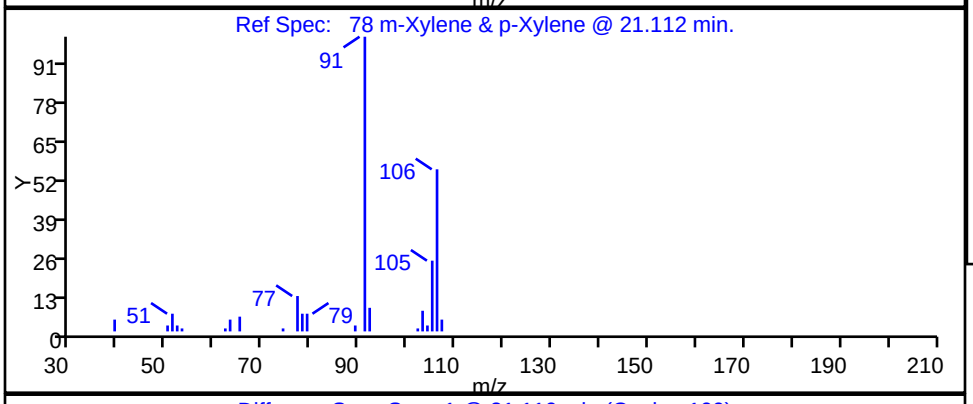
78 m-Xylene & p-Xylene, CAS: 179601-23-1

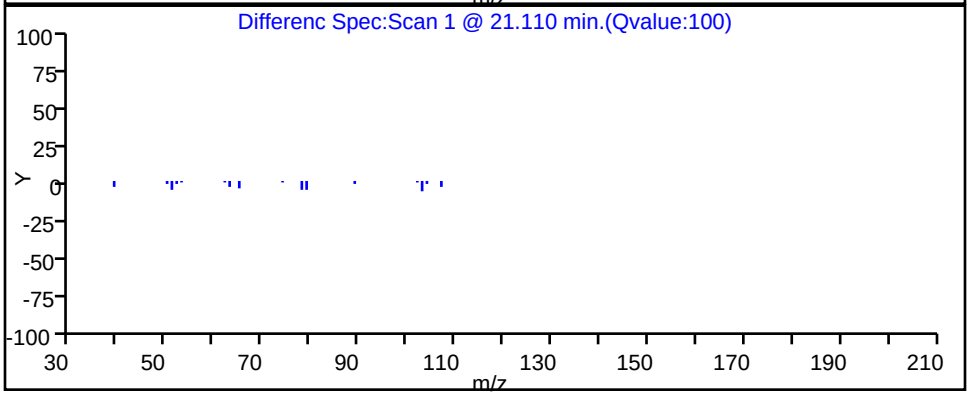








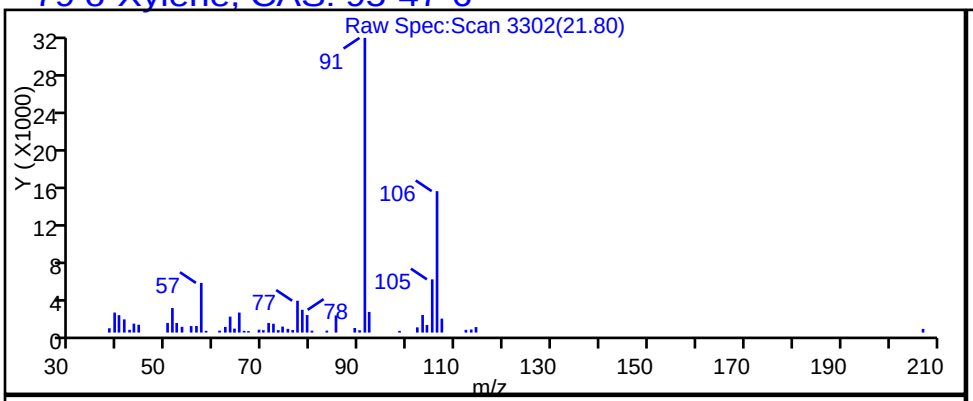


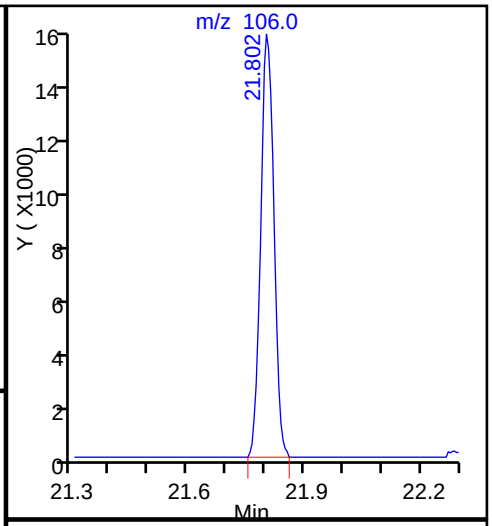


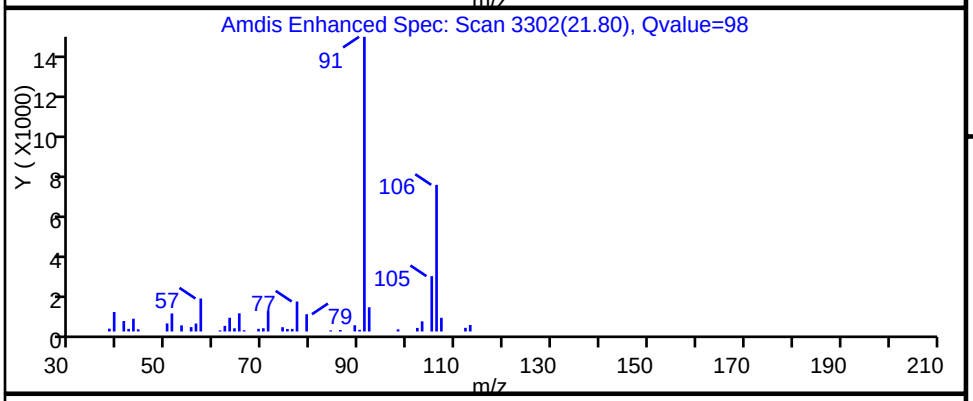
TestAmerica Burlington

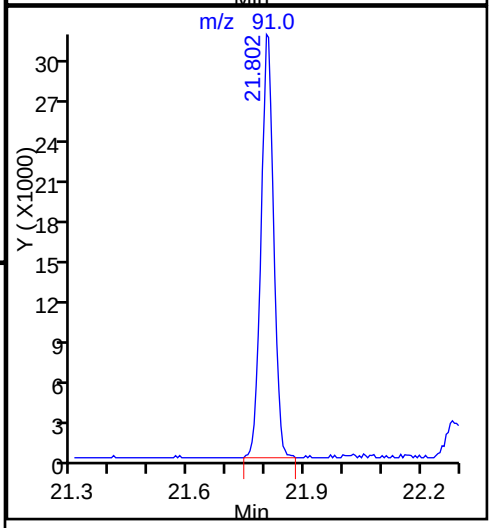
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

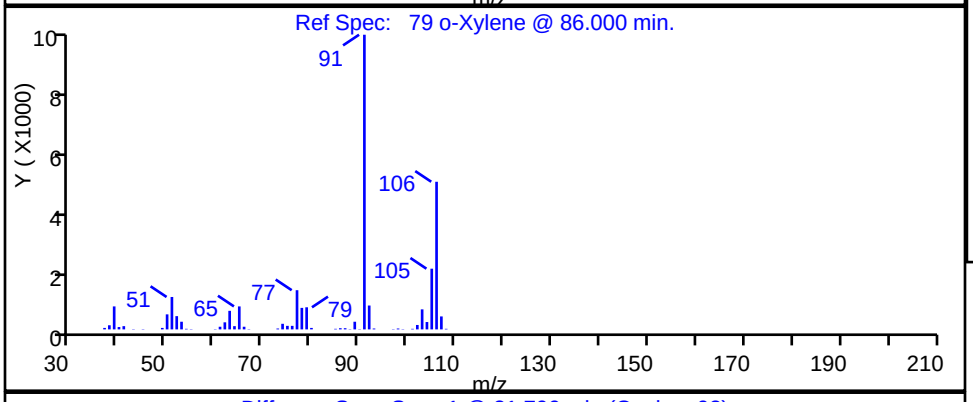
79 o-Xylene, CAS: 95-47-6

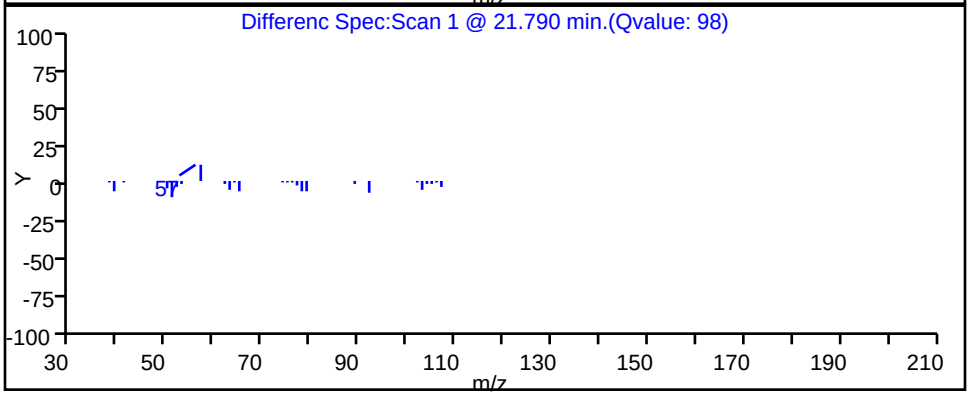








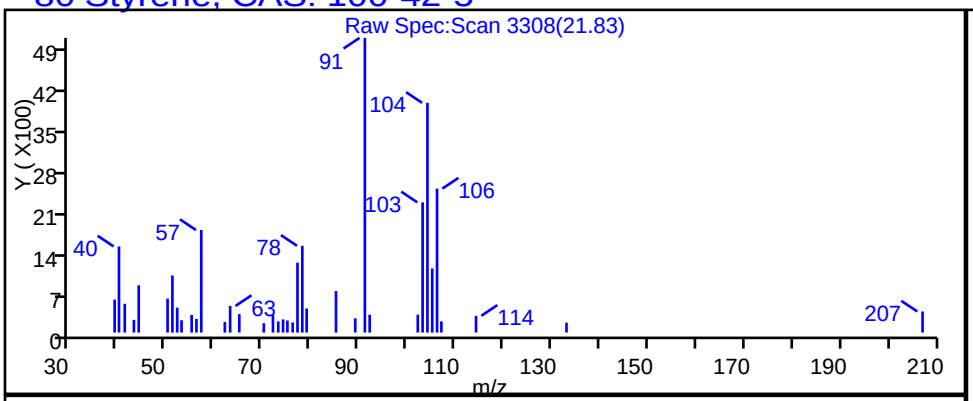


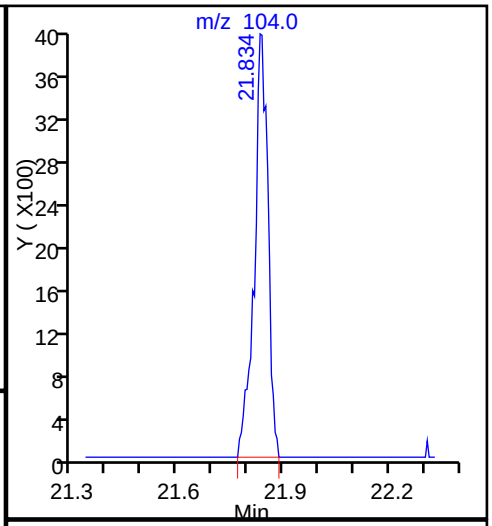


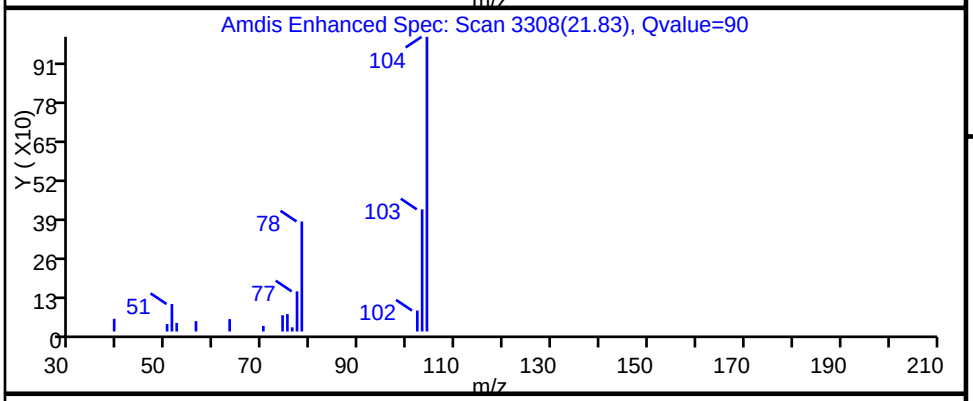
TestAmerica Burlington

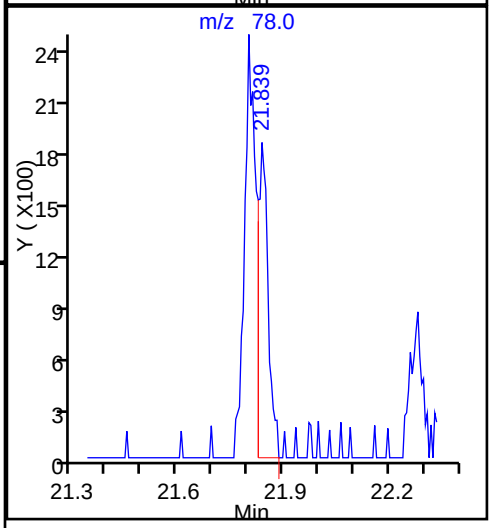
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

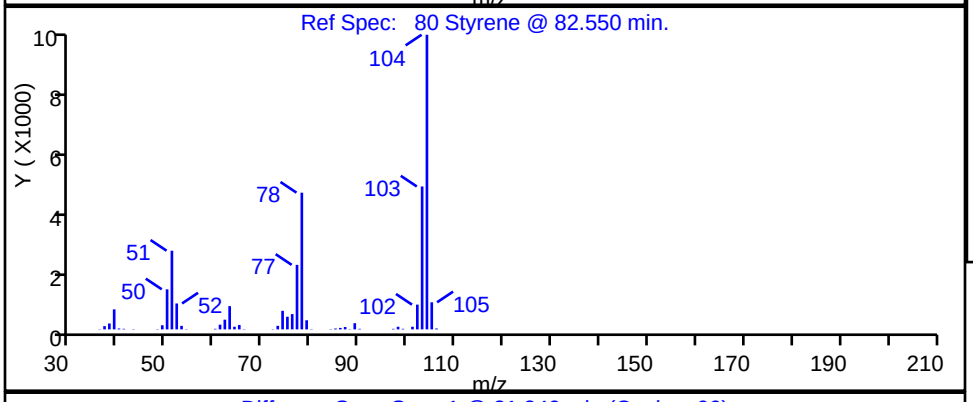
80 Styrene, CAS: 100-42-5

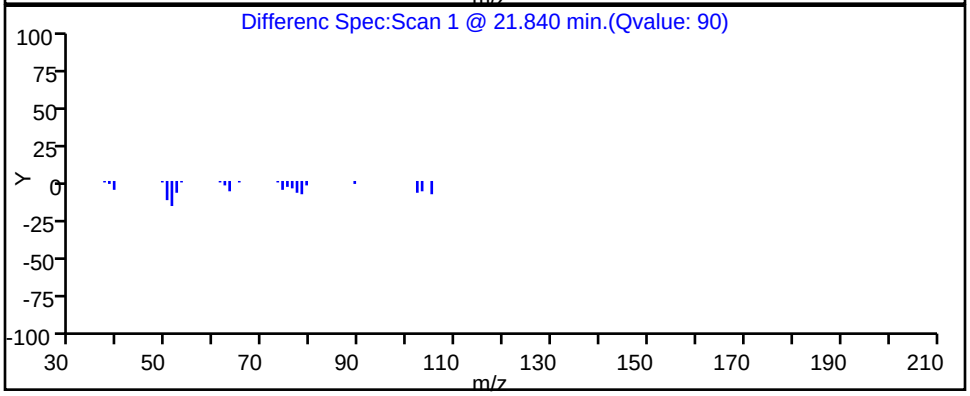








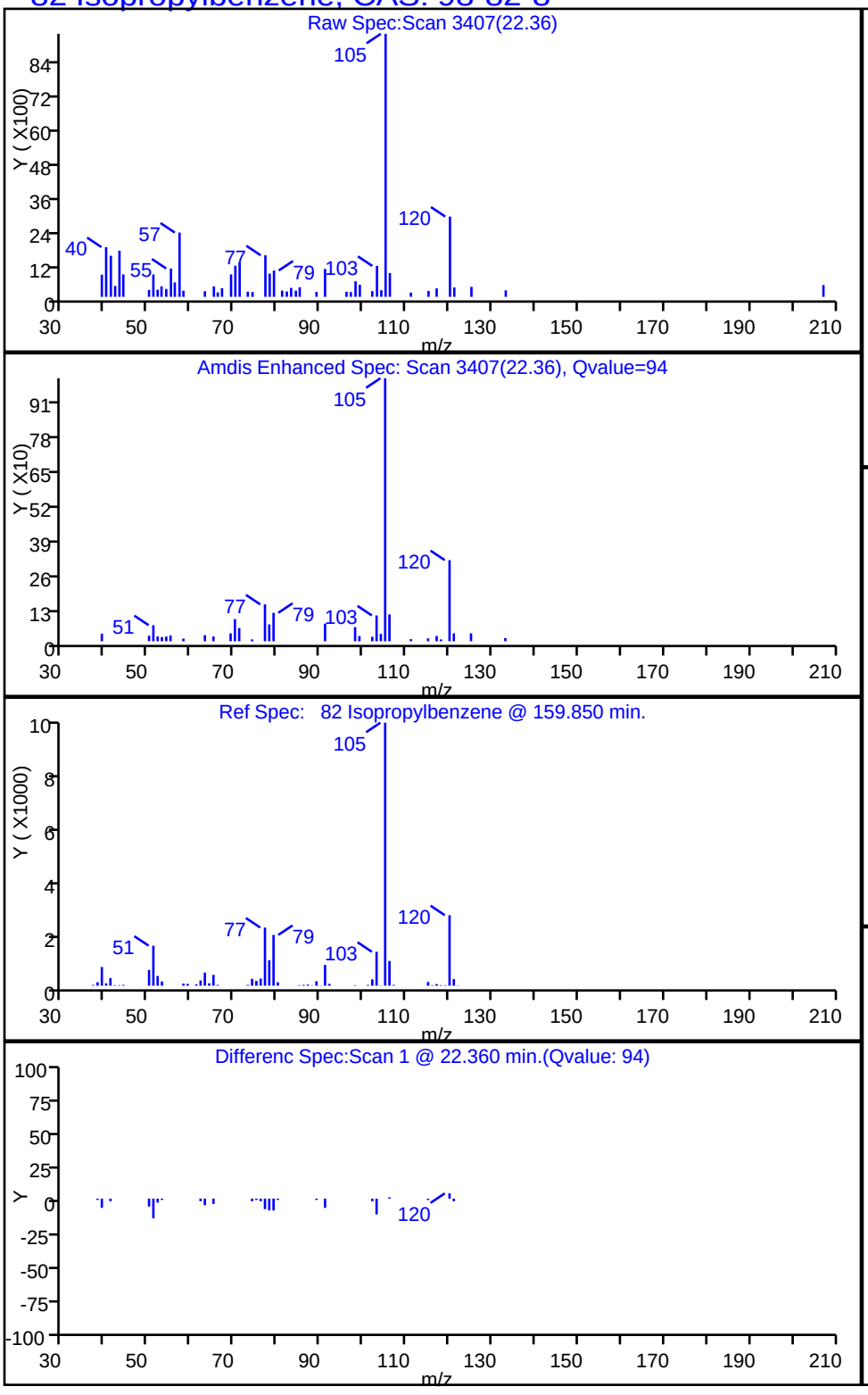


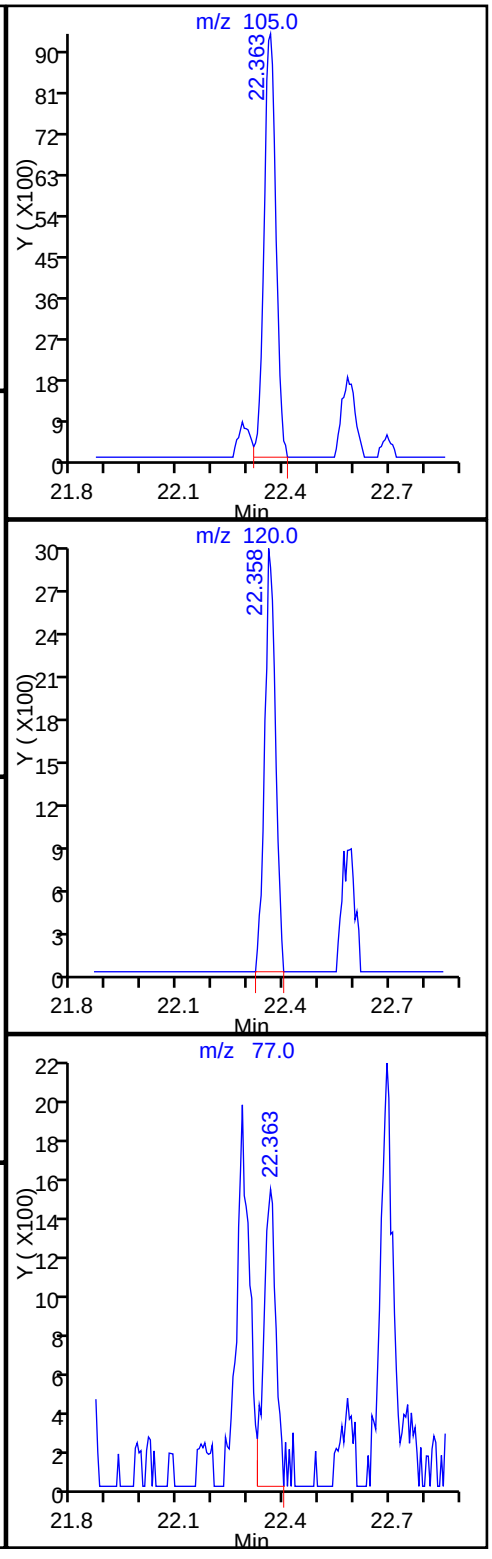


TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

82 Isopropylbenzene, CAS: 98-82-8

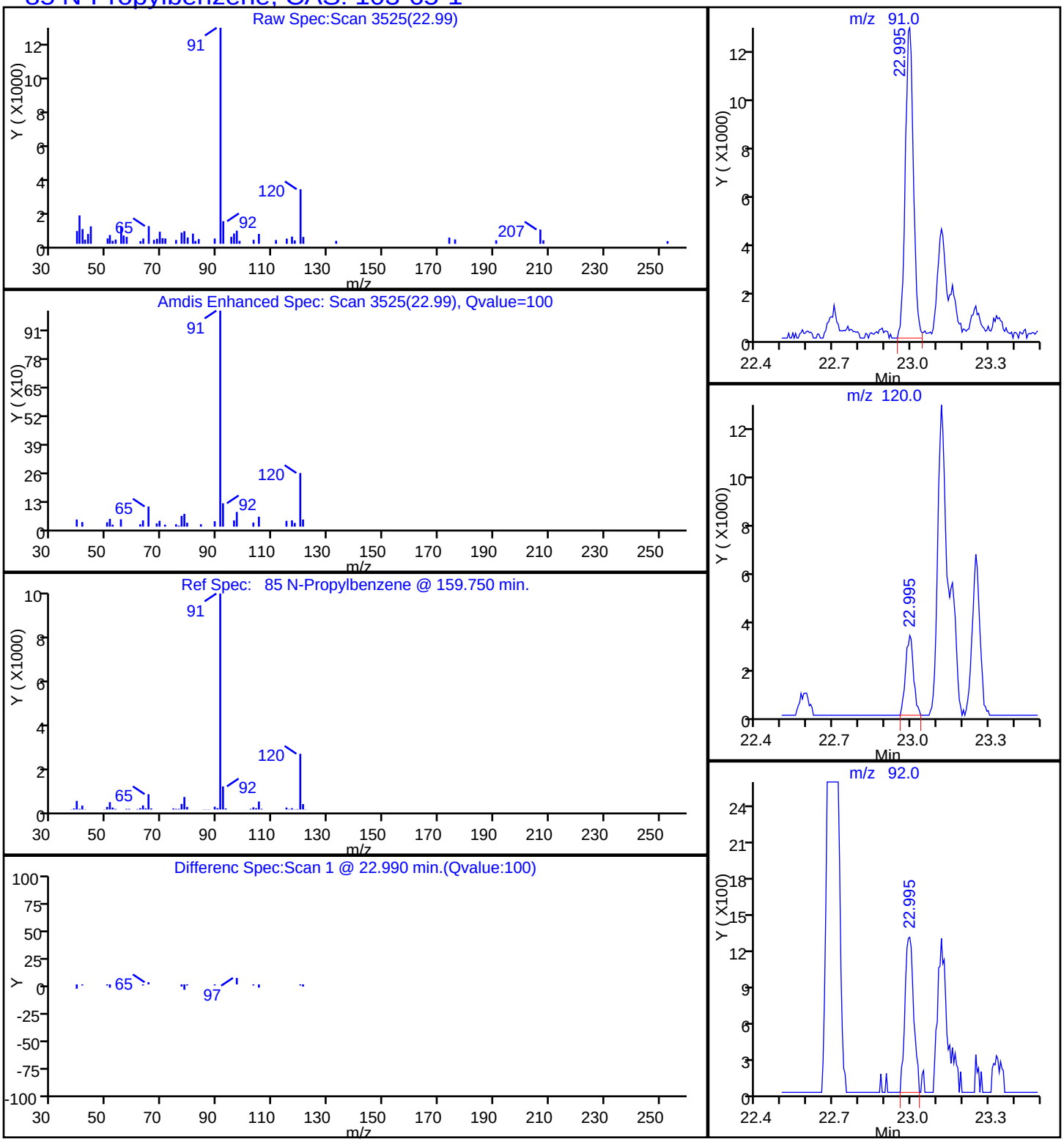




TestAmerica Burlington

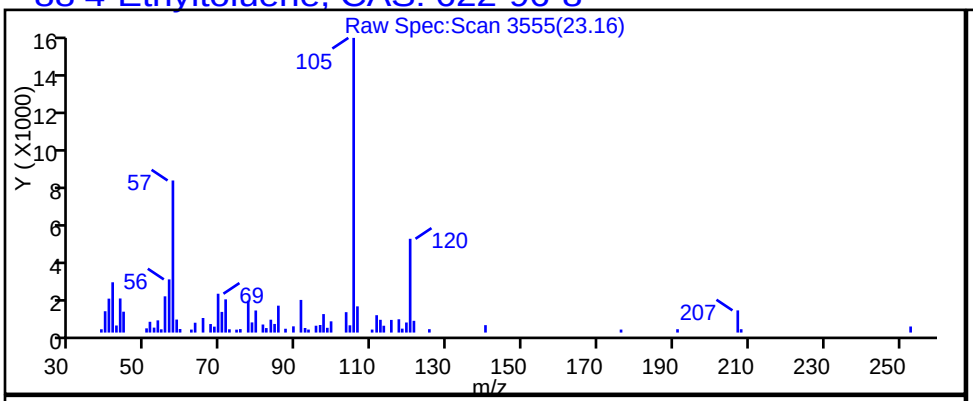
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

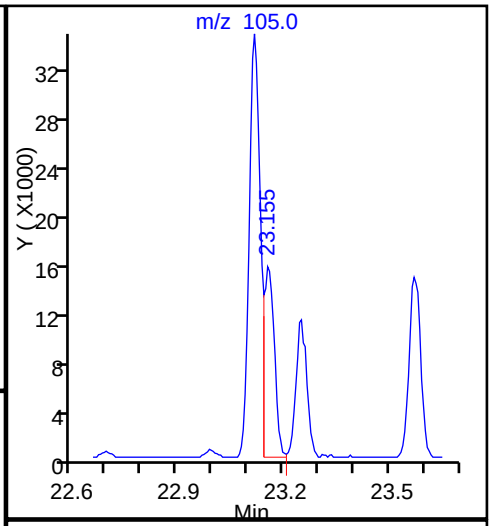
85 N-Propylbenzene, CAS: 103-65-1

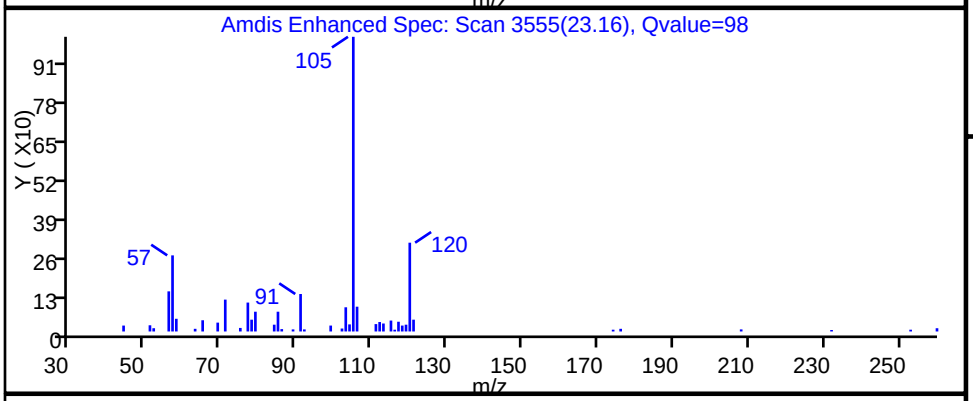


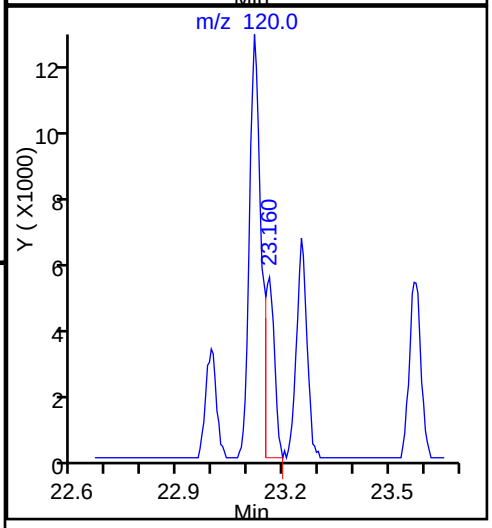
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

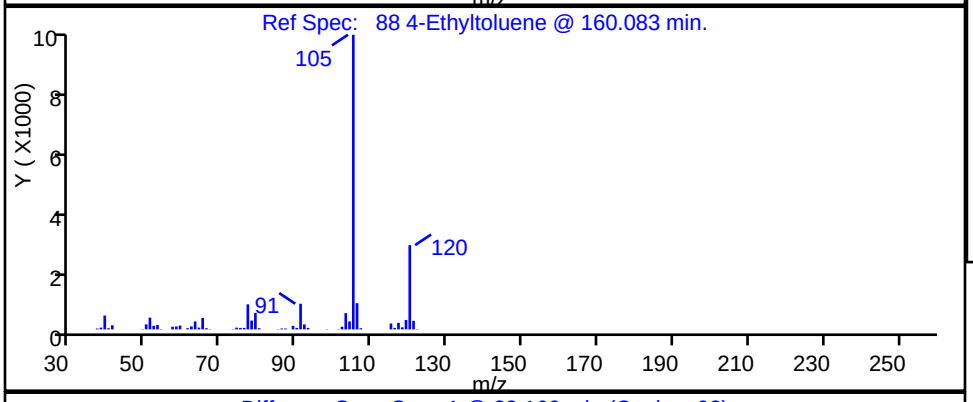
88 4-Ethyltoluene, CAS: 622-96-8

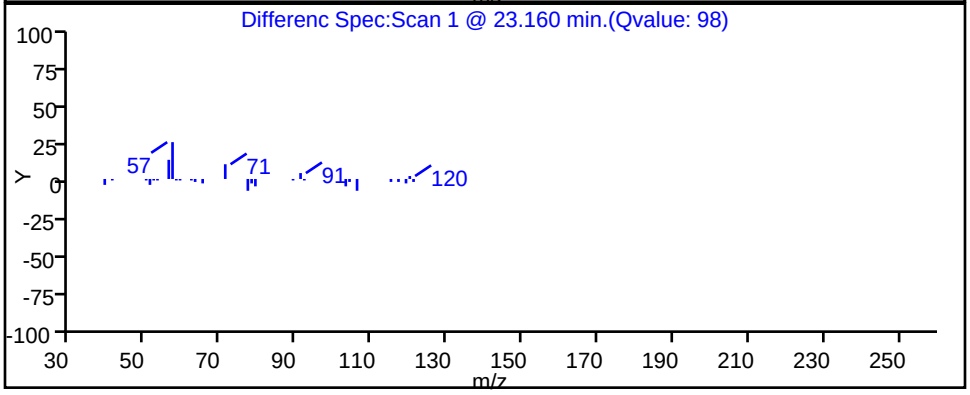






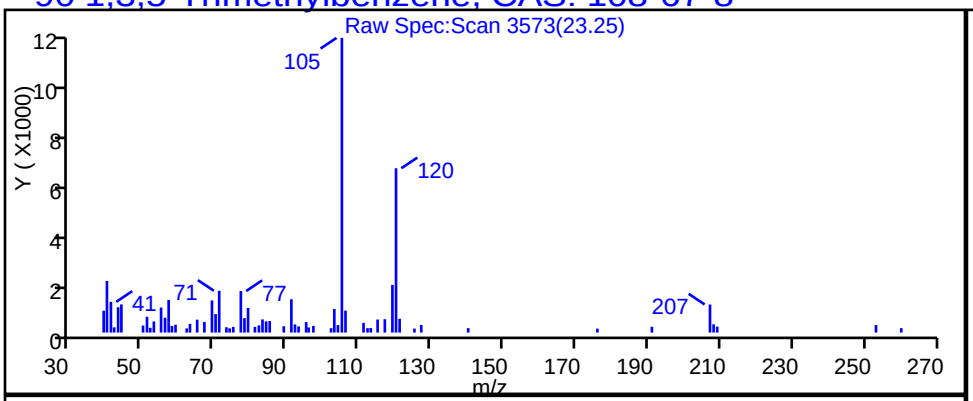


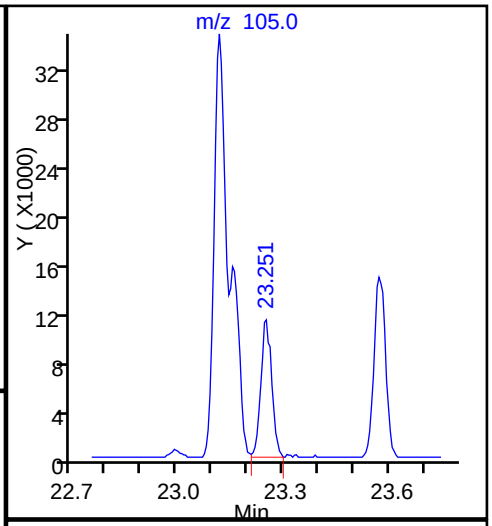


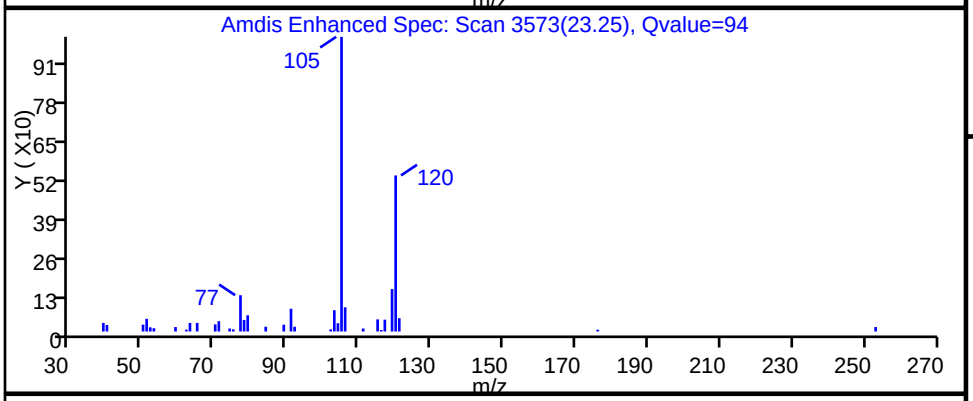


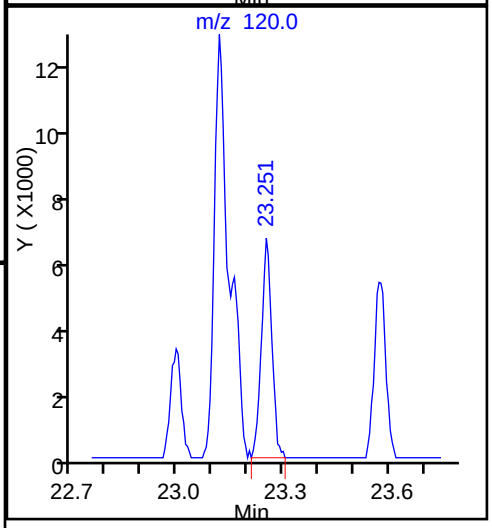
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

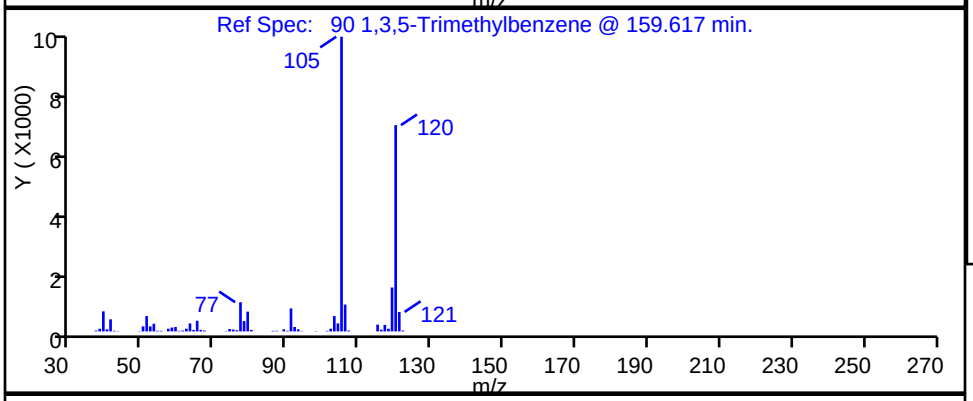
90 1,3,5-Trimethylbenzene, CAS: 108-67-8

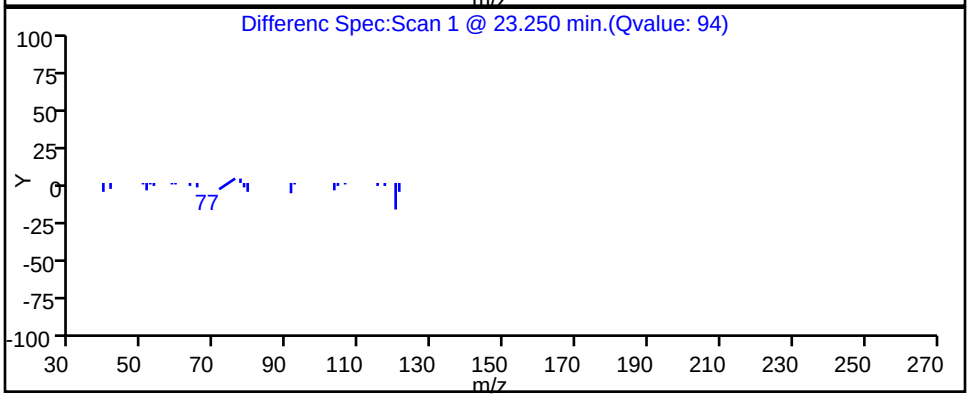








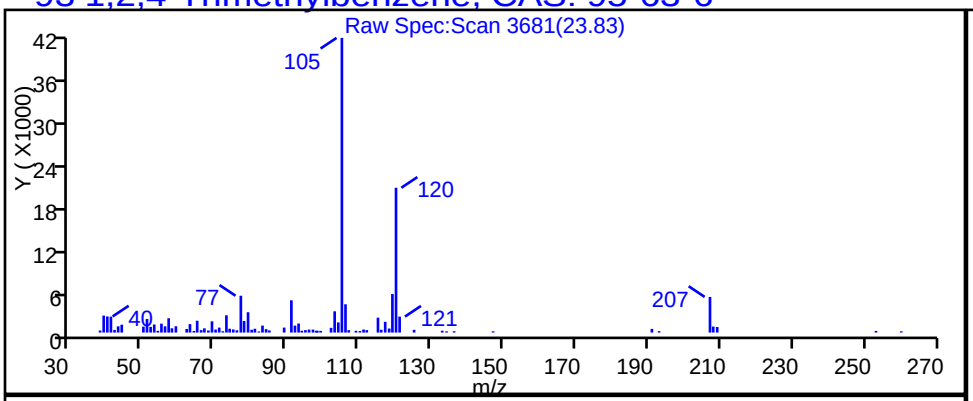


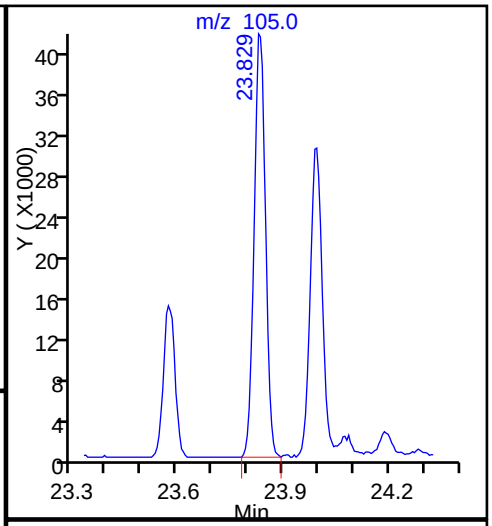


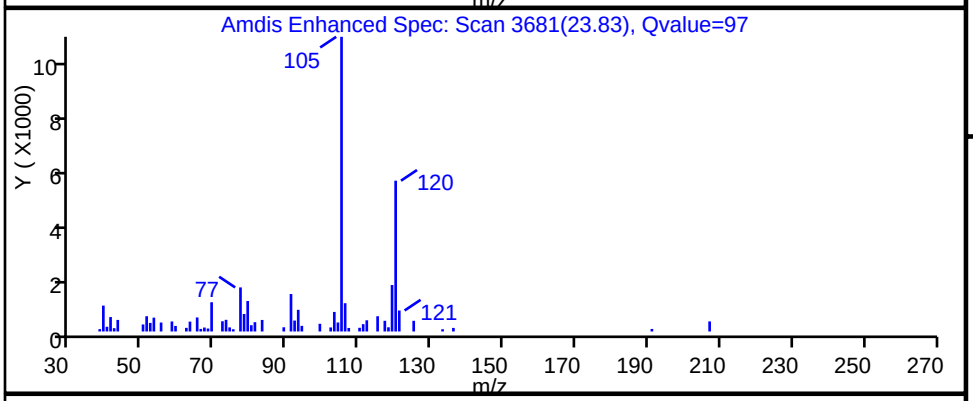
TestAmerica Burlington

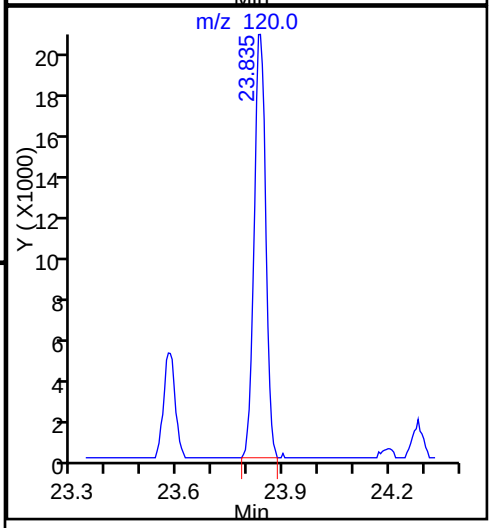
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

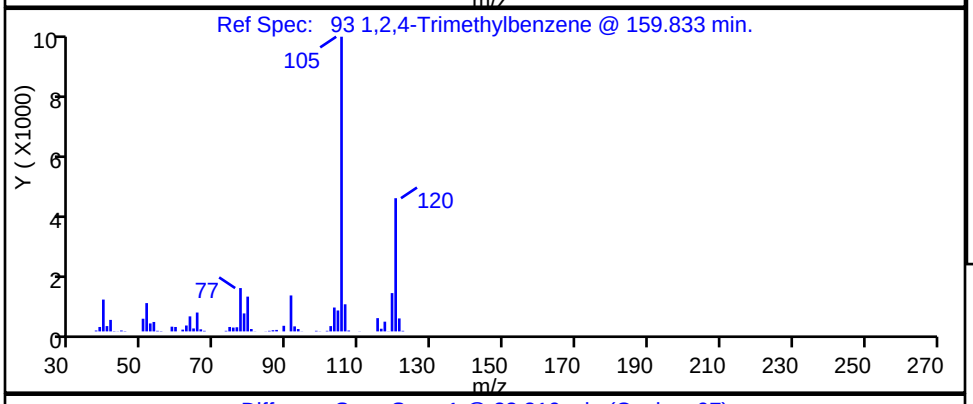
93 1,2,4-Trimethylbenzene, CAS: 95-63-6

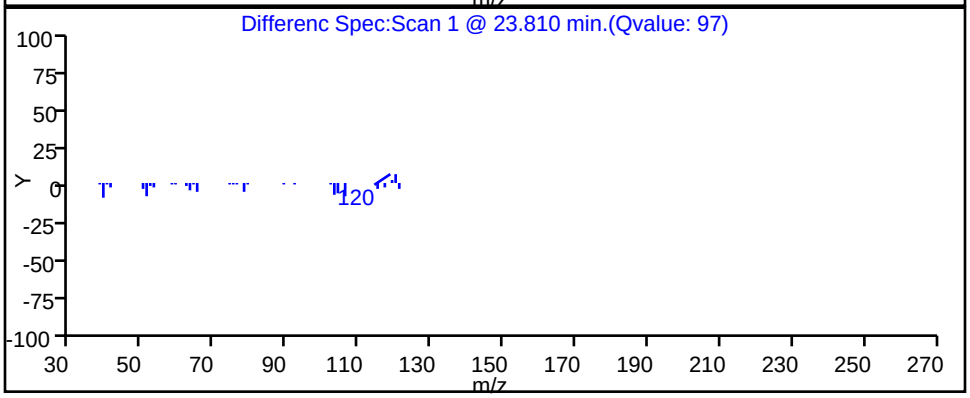






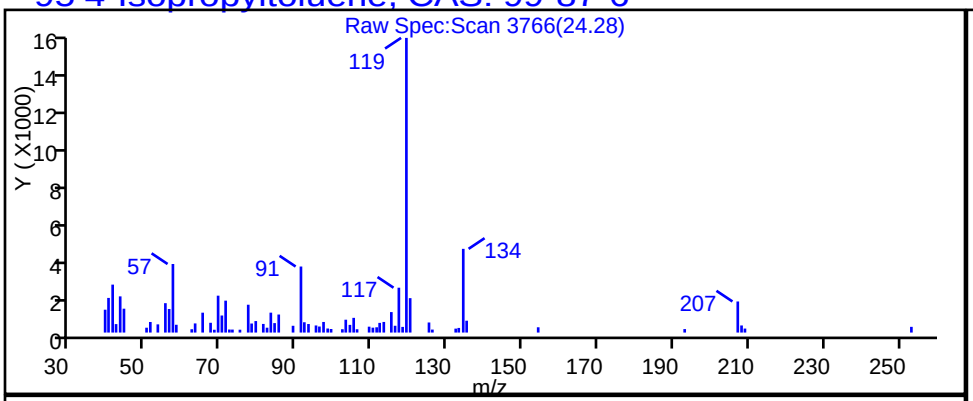


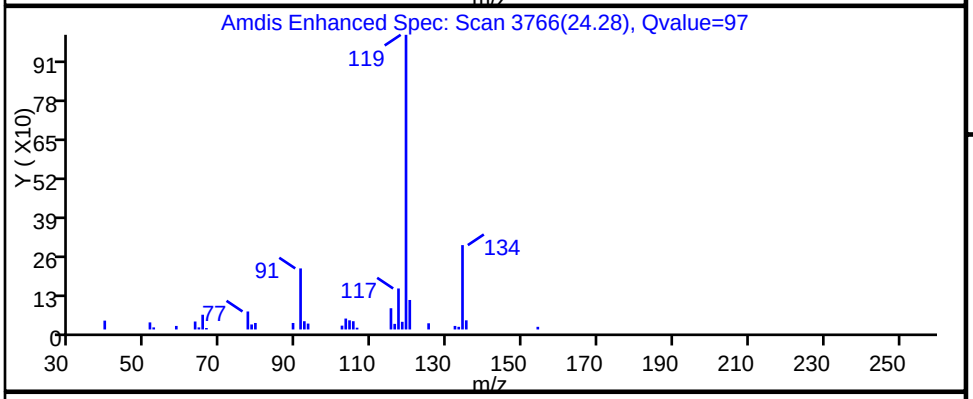


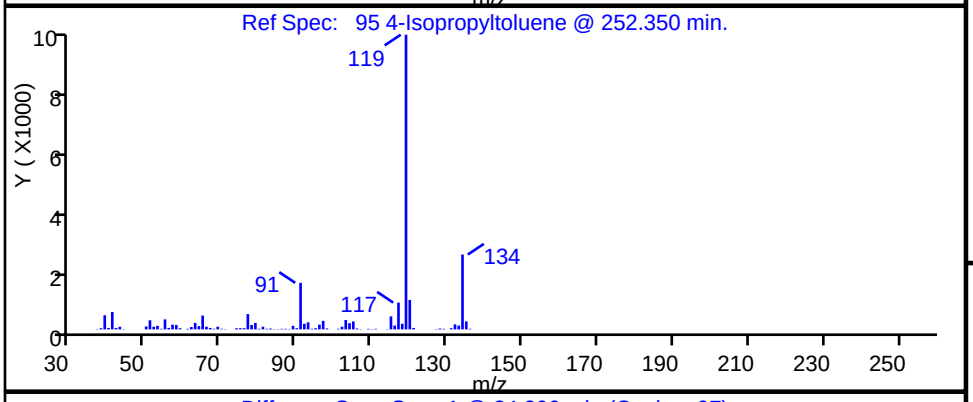


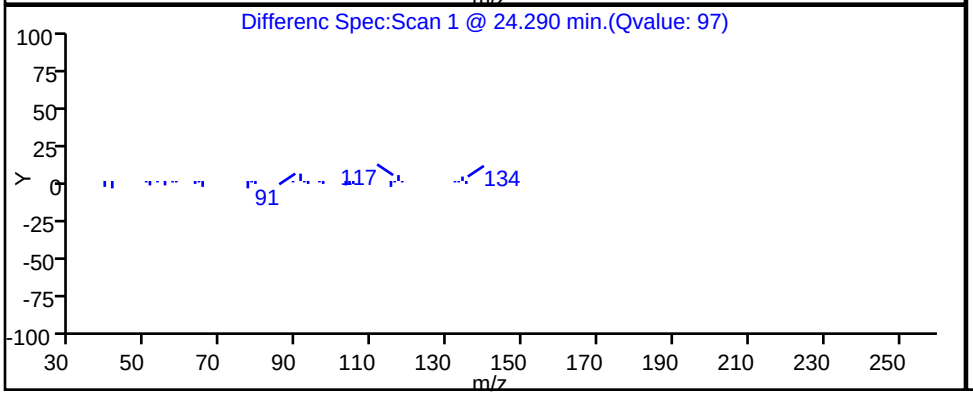
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

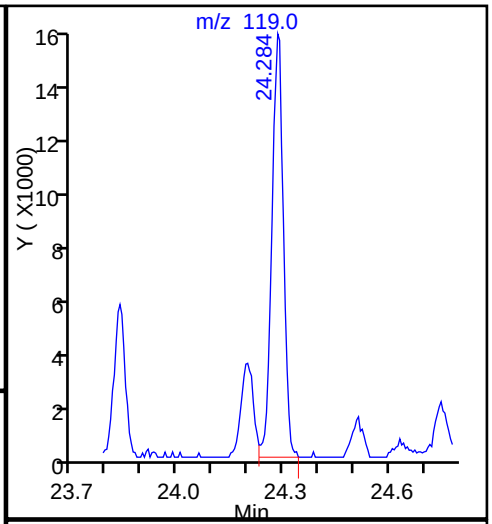
95 4-Isopropyltoluene, CAS: 99-87-6

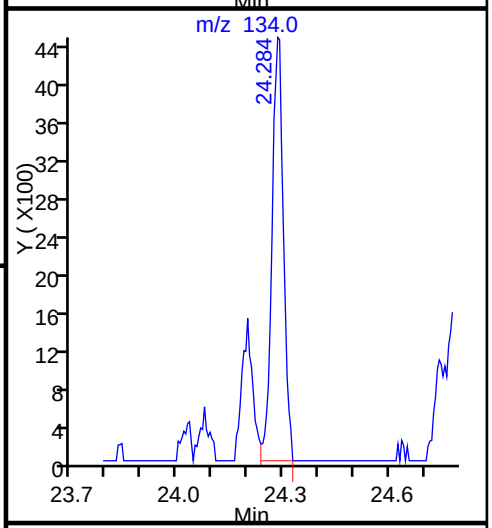


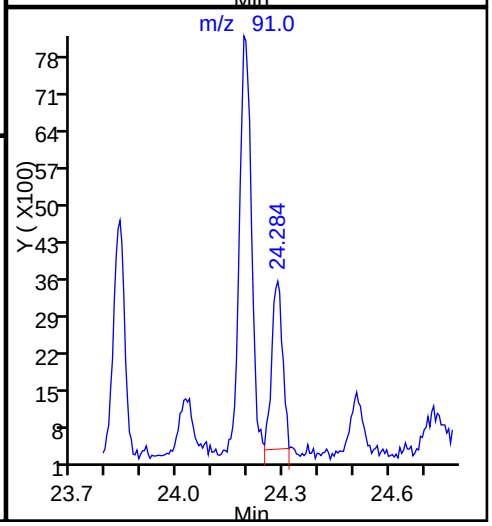








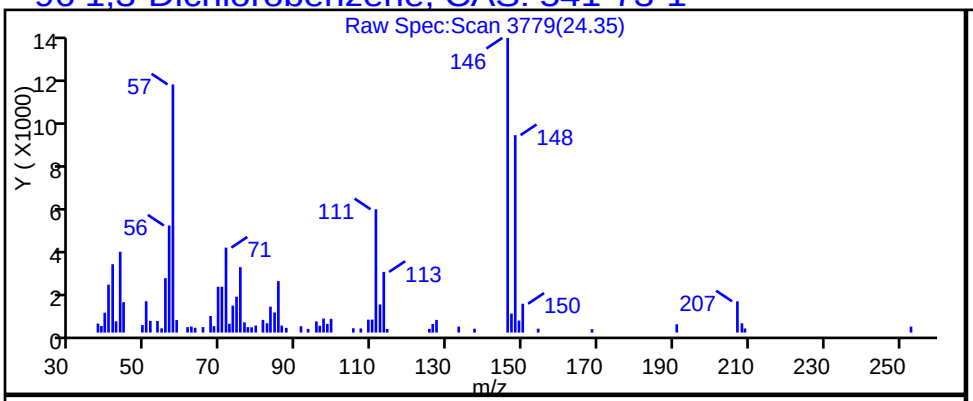


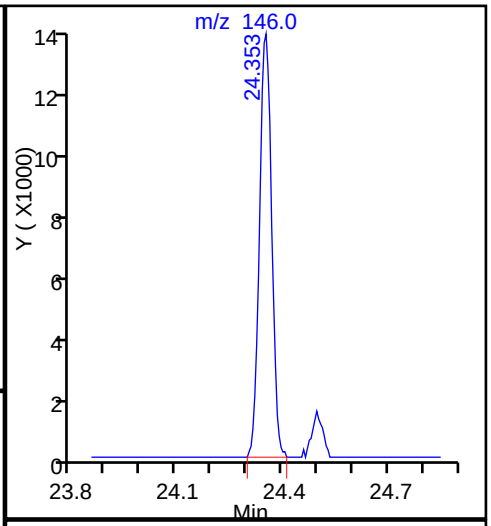


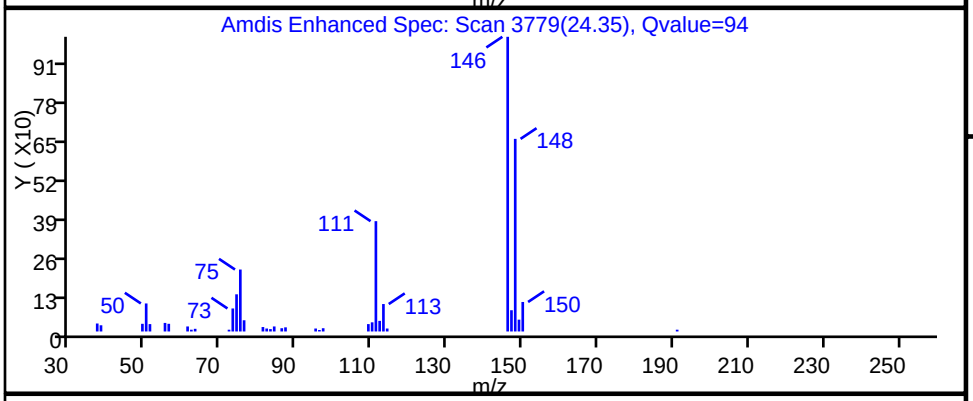
TestAmerica Burlington

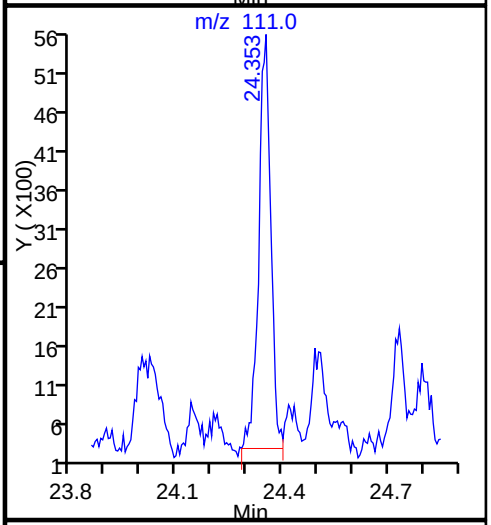
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

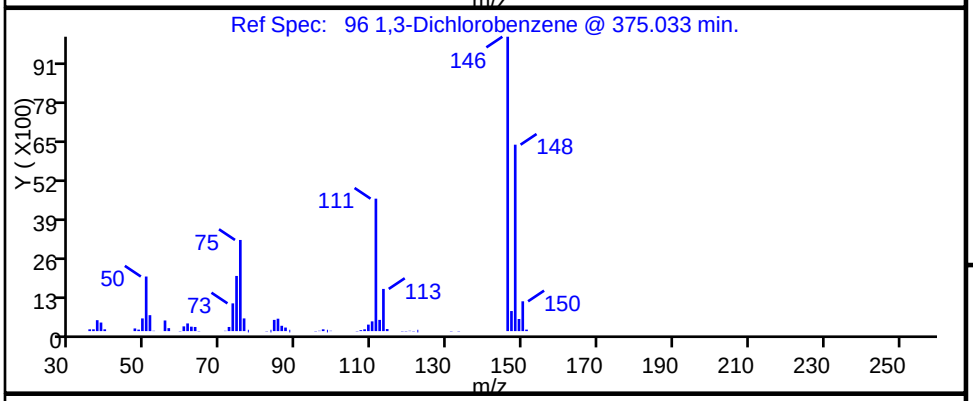
96 1,3-Dichlorobenzene, CAS: 541-73-1

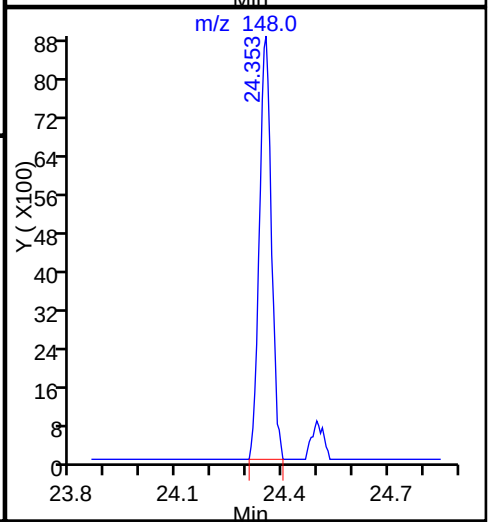


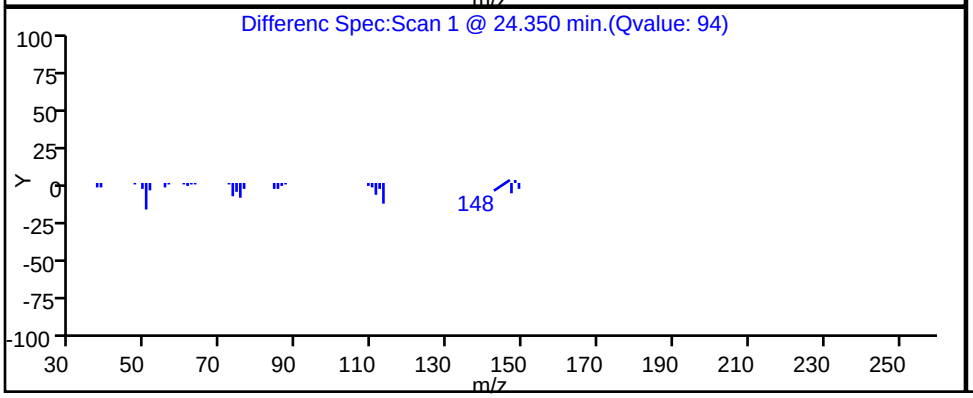






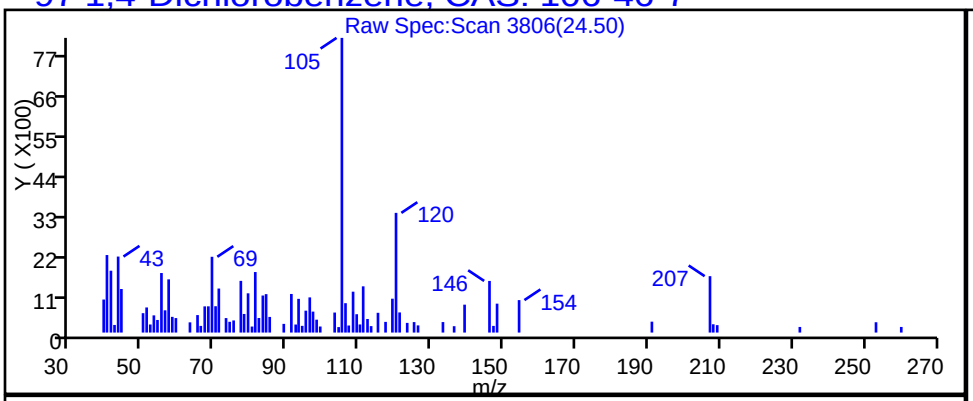


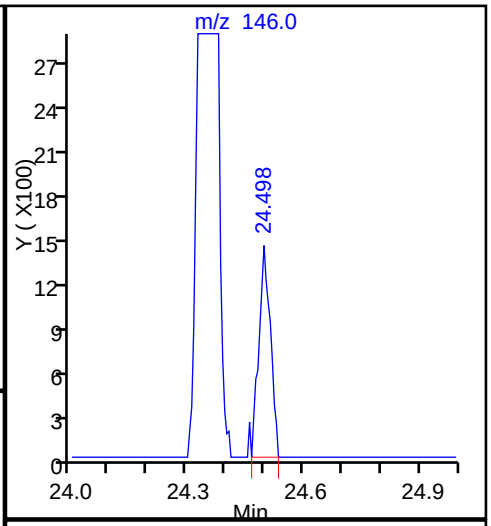


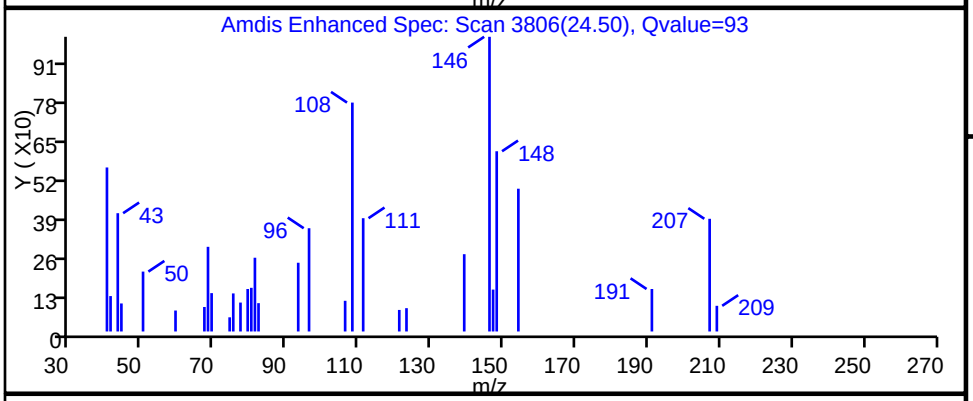


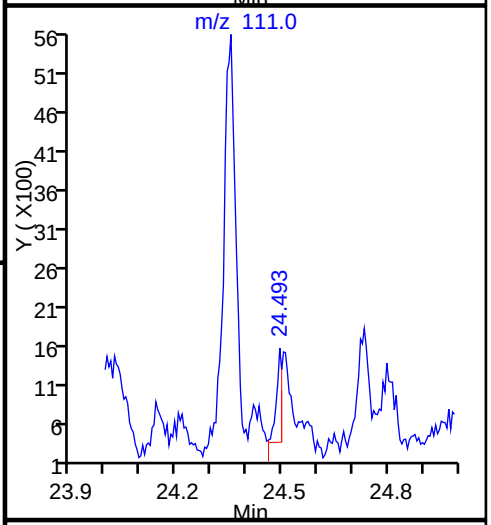
Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d
Injection Date: 11-Sep-2015 02:42:30 Instrument ID: CHW.i
Lims ID: 200-29580-A-22 Lab Sample ID: 200-29580-22
Client ID: 786VMP0202PC
Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

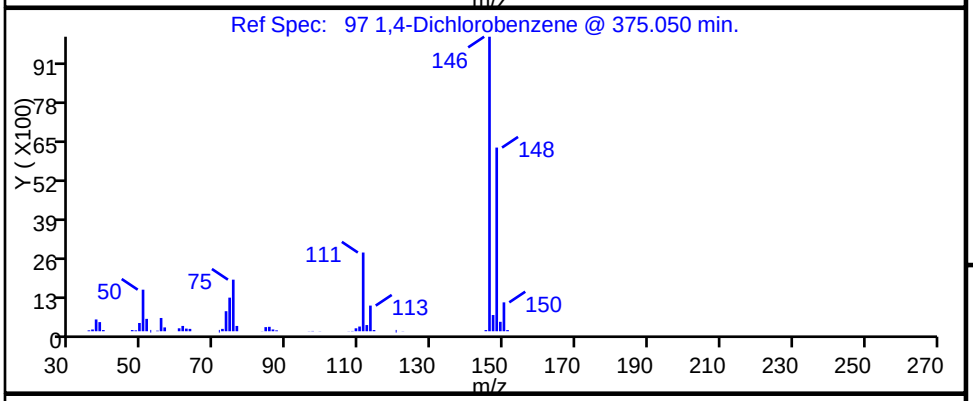
97 1,4-Dichlorobenzene, CAS: 106-46-7

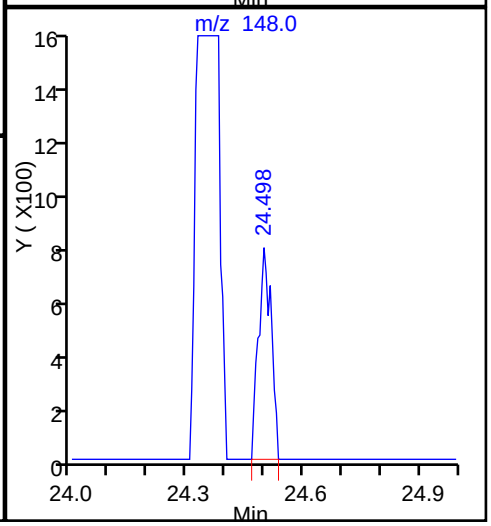


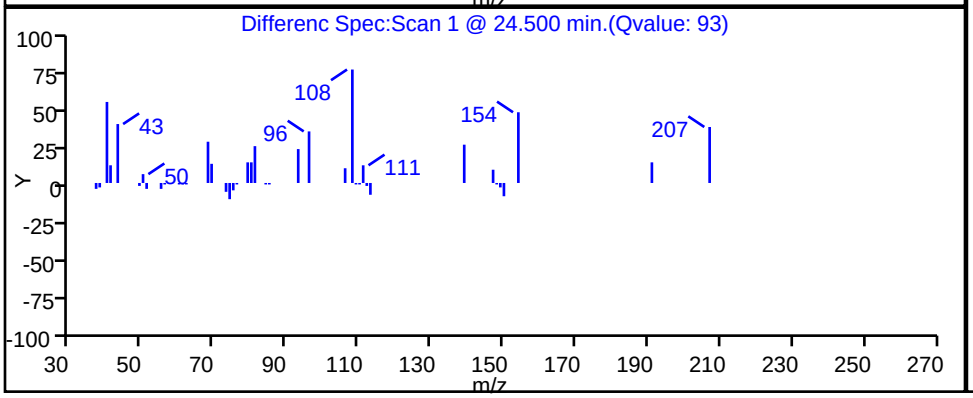








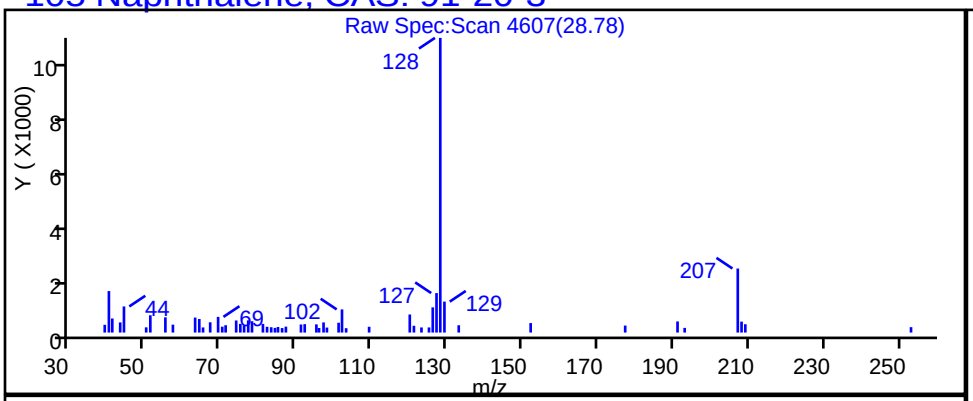


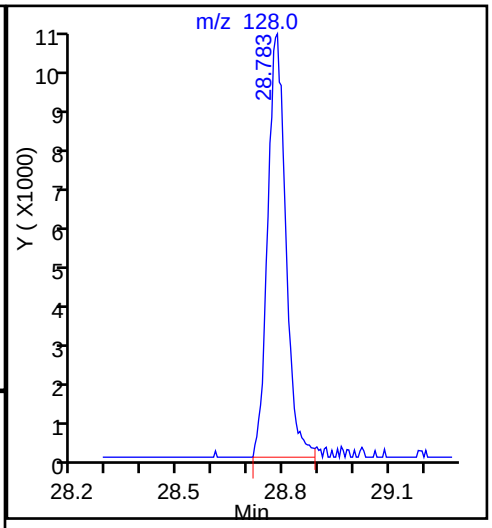


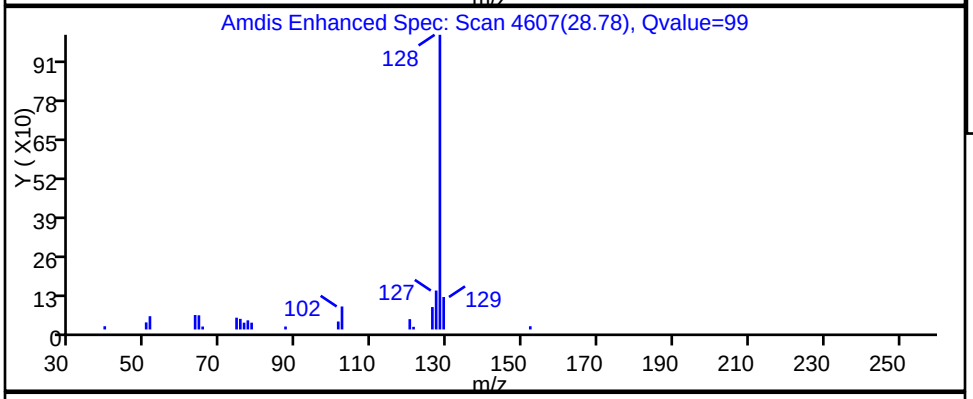
TestAmerica Burlington

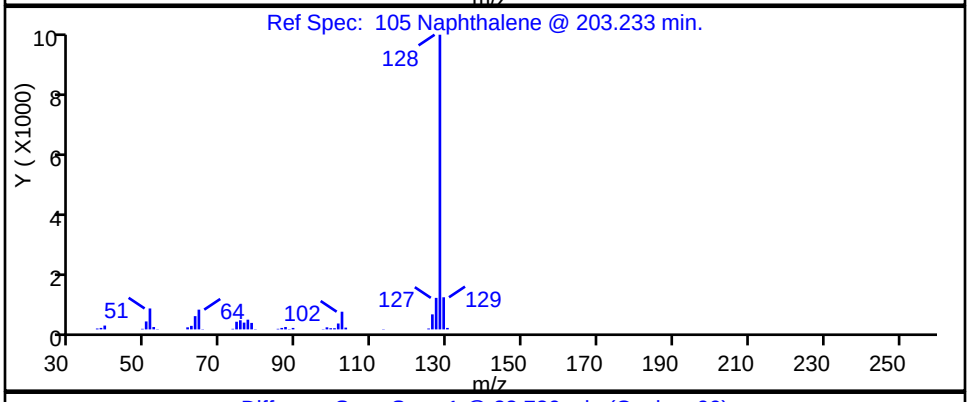
Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

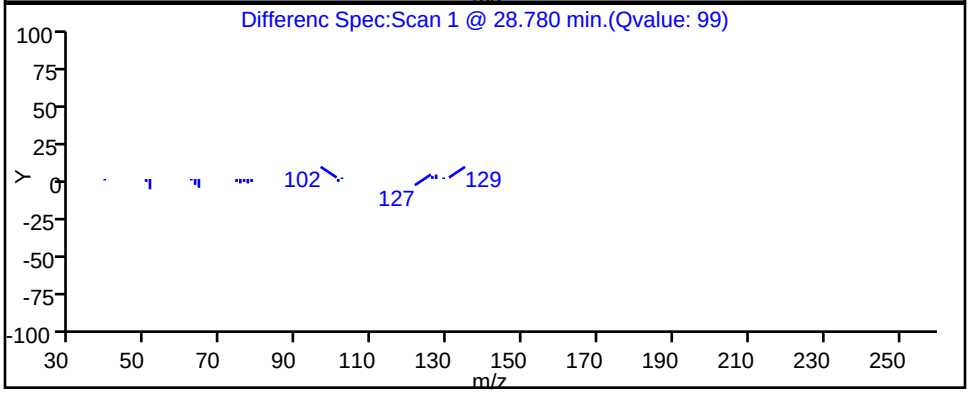
105 Naphthalene, CAS: 91-20-3











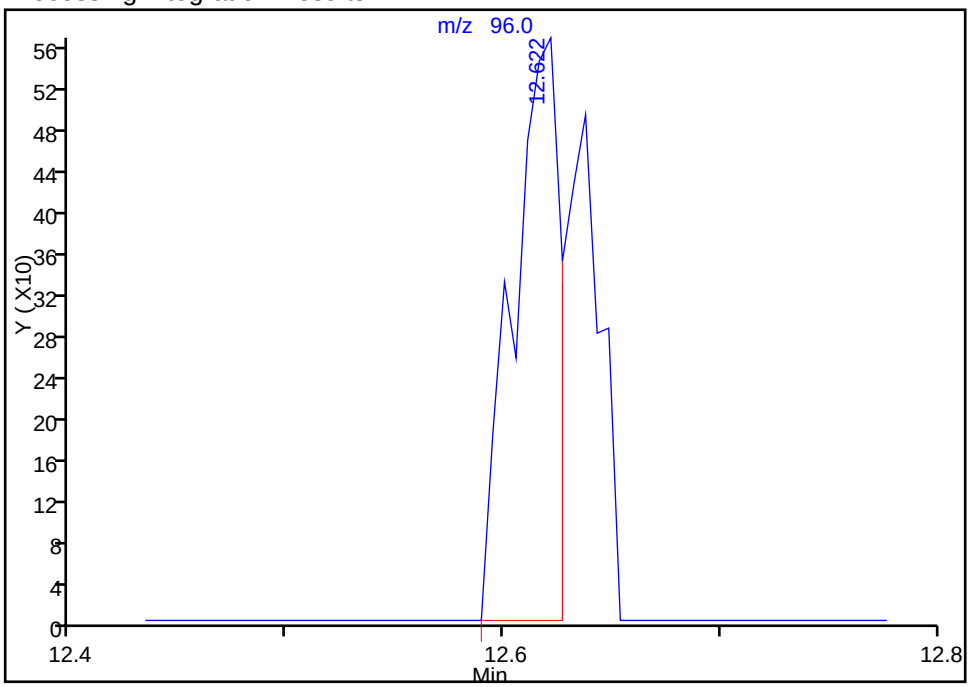
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 cis-1,2-Dichloroethene, CAS: 156-59-2

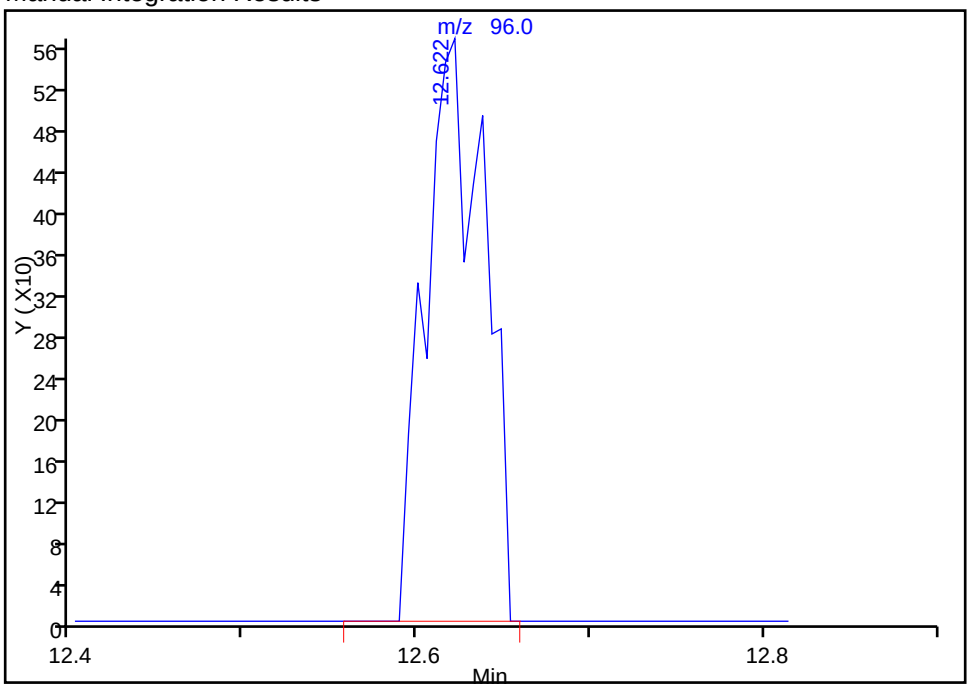
Processing Integration Results

RT: 12.62
Area: 867
Amount: 0.022468
Amount Units: ppb v/v



Manual Integration Results

RT: 12.62
Area: 1343
Amount: 0.034803
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:45:25
Audit Action: Manually Integrated
Audit Reason: Baseline

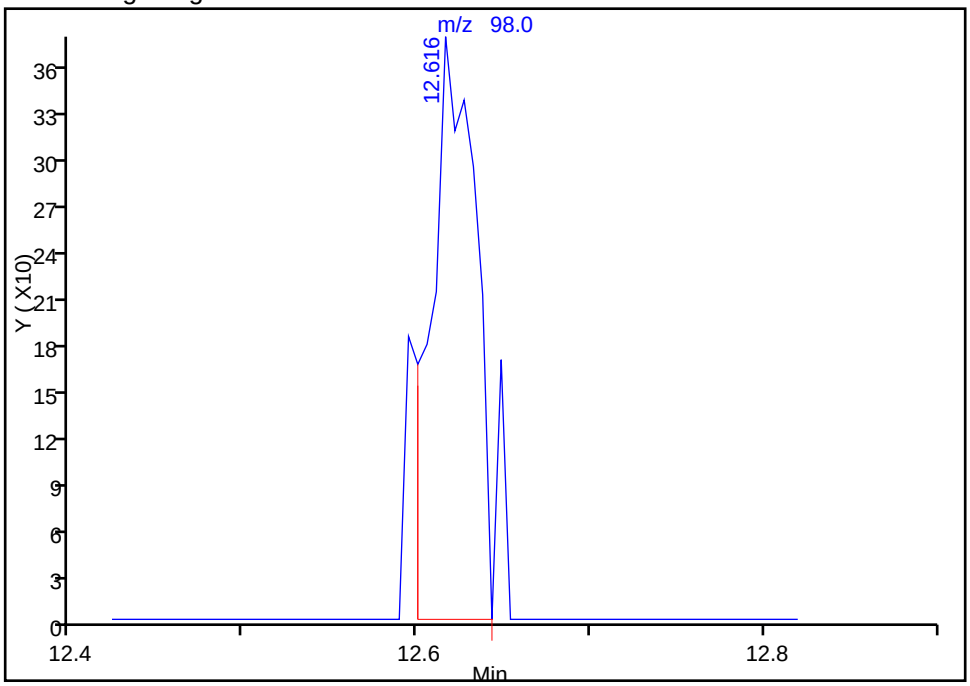
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_023.d				
Injection Date:	11-Sep-2015 02:42:30	Instrument ID:	CHW.i		
Lims ID:	200-29580-A-22	Lab Sample ID:	200-29580-22		
Client ID:	786VMP0202PC				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

37 cis-1,2-Dichloroethene, CAS: 156-59-2

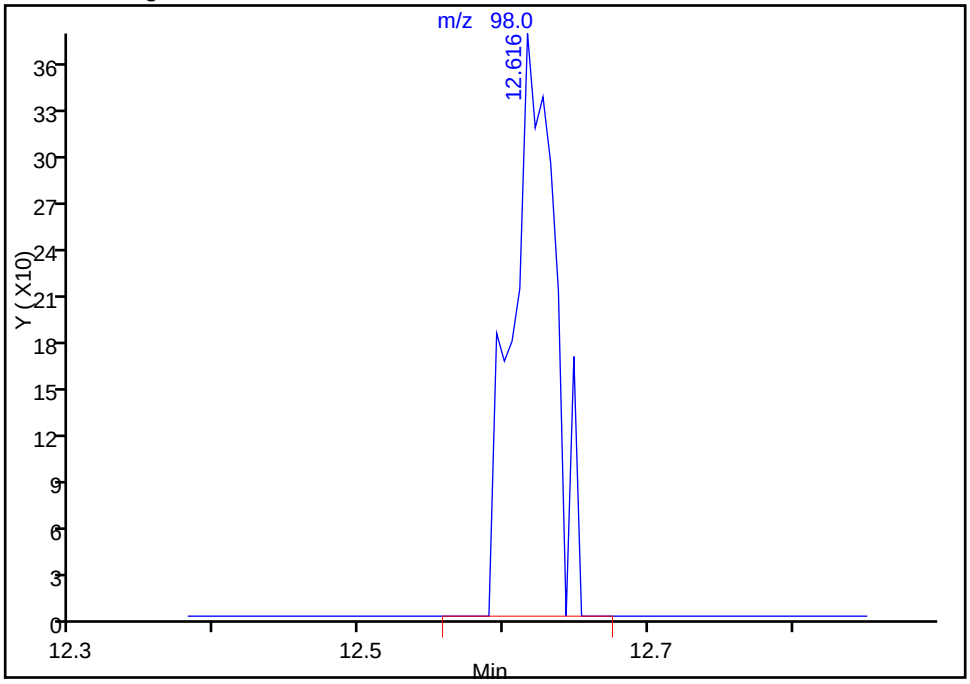
Processing Integration Results

RT: 12.62
Area: 670
Amount: 0.022468
Amount Units: ppb v/v



Manual Integration Results

RT: 12.62
Area: 783
Amount: 0.034803
Amount Units: ppb v/v



Reviewer: desjardinsb, 11-Sep-2015 11:45:25
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 082815TB Lab Sample ID: 200-29580-23

Matrix: Air Lab File ID: 15629_21.D

Analysis Method: TO-15 Date Collected: 08/28/2015 07:45

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 04:08

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.16	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 082815TB | Lab Sample ID: 200-29580-23

Matrix: Air | Lab File ID: 15629_21.D

Analysis Method: TO-15 | Date Collected: 08/28/2015 07:45

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 04:08

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.: 93647 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U Q	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 082815TB Lab Sample ID: 200-29580-23

Matrix: Air Lab File ID: 15629_21.D

Analysis Method: TO-15 Date Collected: 08/28/2015 07:45

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 04:08

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 082815TB | Lab Sample ID: 200-29580-23

Matrix: Air | Lab File ID: 15629_21.D

Analysis Method: TO-15 | Date Collected: 08/28/2015 07:45

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 04:08

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.: 93647 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.56	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: 082815TB | Lab Sample ID: 200-29580-23

Matrix: Air | Lab File ID: 15629_21.D

Analysis Method: TO-15 | Date Collected: 08/28/2015 07:45

Sample wt/vol: 200(mL) | Date Analyzed: 09/05/2015 04:08

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.: 93647 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U Q	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: 082815TB Lab Sample ID: 200-29580-23

Matrix: Air Lab File ID: 15629_21.D

Analysis Method: TO-15 Date Collected: 08/28/2015 07:45

Sample wt/vol: 200(mL) Date Analyzed: 09/05/2015 04:08

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_21.D
Lims ID: 200-29580-A-23 Lab Sample ID: 200-29580-23
Client ID: 082815TB
Sample Type: Client
Inject. Date: 05-Sep-2015 04:08:30 ALS Bottle#: 4 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-021
Misc. Info.: 29580-23
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2015 09:17:13 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 08-Sep-2015 09:17:13

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85		3.167				ND	
	3 Chlorodifluoromethane	51		3.215				ND	
	4 1,2-Dichloro-1,1,2,2-tetra	85		3.429				ND	
	5 Chloromethane	50		3.568				ND	
	6 Butane	43		3.761				ND	
	7 Vinyl chloride	62		3.809				ND	
	8 Butadiene	54		3.884				ND	
	9 Bromomethane	94		4.552				ND	
	10 Chloroethane	64		4.777				ND	
	12 Vinyl bromide	106		5.157				ND	
	13 Trichlorofluoromethane	101		5.248				ND	
	18 1,1,2-Trichloro-1,2,2-trif	101		6.291				ND	
	20 1,1-Dichloroethene	96		6.350				ND	
	21 Acetone	43		6.596				ND	
	22 Carbon disulfide	76		6.740				ND	
	23 Isopropyl alcohol	45		6.885				ND	
	24 3-Chloro-1-propene	41		7.120				ND	
	26 Methylene Chloride	49	7.409	7.409	0.000	79	1575	0.1616	
	28 2-Methyl-2-propanol	59		7.660				ND	
	29 Methyl tert-butyl ether	73		7.810				ND	
	30 trans-1,2-Dichloroethene	61		7.837				ND	
	32 Hexane	57		8.206				ND	
	33 1,1-Dichloroethane	63		8.709				ND	
	35 cis-1,2-Dichloroethene	96		9.816				ND	
	36 2-Butanone (MEK)	72		9.870				ND	
S	38 1,2-Dichloroethene, Total	61		10.000				ND	
*	40 Chlorobromomethane	128	10.282	10.287	-0.005	78	132244	10.0	
	39 Tetrahydrofuran	42		10.293				ND	
	41 Chloroform	83		10.410				ND	
	42 Cyclohexane	84		10.651				ND	
	43 1,1,1-Trichloroethane	97		10.688				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117		10.934				ND	
	45 Isooctane	57		11.362				ND	
	46 Benzene	78		11.411				ND	
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43		11.748				ND	
*	50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	741984	10.0	
	52 Trichloroethene	95		12.743				ND	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88		13.567				ND	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43		15.182				ND	
	62 Toluene	92		15.482				ND	
	67 trans-1,3-Dichloropropene	75		16.097				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.584				ND	
	70 2-Hexanone	43		16.948				ND	
	71 Chlorodibromomethane	129		17.269				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.451	18.451	0.000	83	750446	10.0	
	74 Chlorobenzene	112		18.515				ND	
	75 Ethylbenzene	91		18.654				ND	
	77 m-Xylene & p-Xylene	106		18.911				ND	
	78 o-Xylene	106		19.724				ND	
	79 Styrene	104		19.772				ND	
S	80 Xylenes, Total	106		20.000				ND	
	81 Bromoform	173		20.184				ND	
	82 Isopropylbenzene	105		20.361				ND	
	85 1,1,2,2-Tetrachloroethane	83		20.987				ND	
	86 N-Propylbenzene	91		21.045				ND	
	89 4-Ethyltoluene	105		21.222				ND	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105		21.324				ND	
	93 tert-Butylbenzene	119		21.794				ND	
	94 1,2,4-Trimethylbenzene	105		21.885				ND	
	95 sec-Butylbenzene	105		22.110				ND	
	96 4-Isopropyltoluene	119		22.303				ND	
	97 1,3-Dichlorobenzene	146		22.351				ND	
	98 1,4-Dichlorobenzene	146		22.490				ND	
	99 Benzyl chloride	91		22.693				ND	
	101 n-Butylbenzene	91		22.896				ND	
	102 1,2-Dichlorobenzene	146		23.046				ND	
	104 1,2,4-Trichlorobenzene	180		25.678				ND	
	105 Hexachlorobutadiene	225		25.865				ND	
	106 Naphthalene	128		26.208				ND	

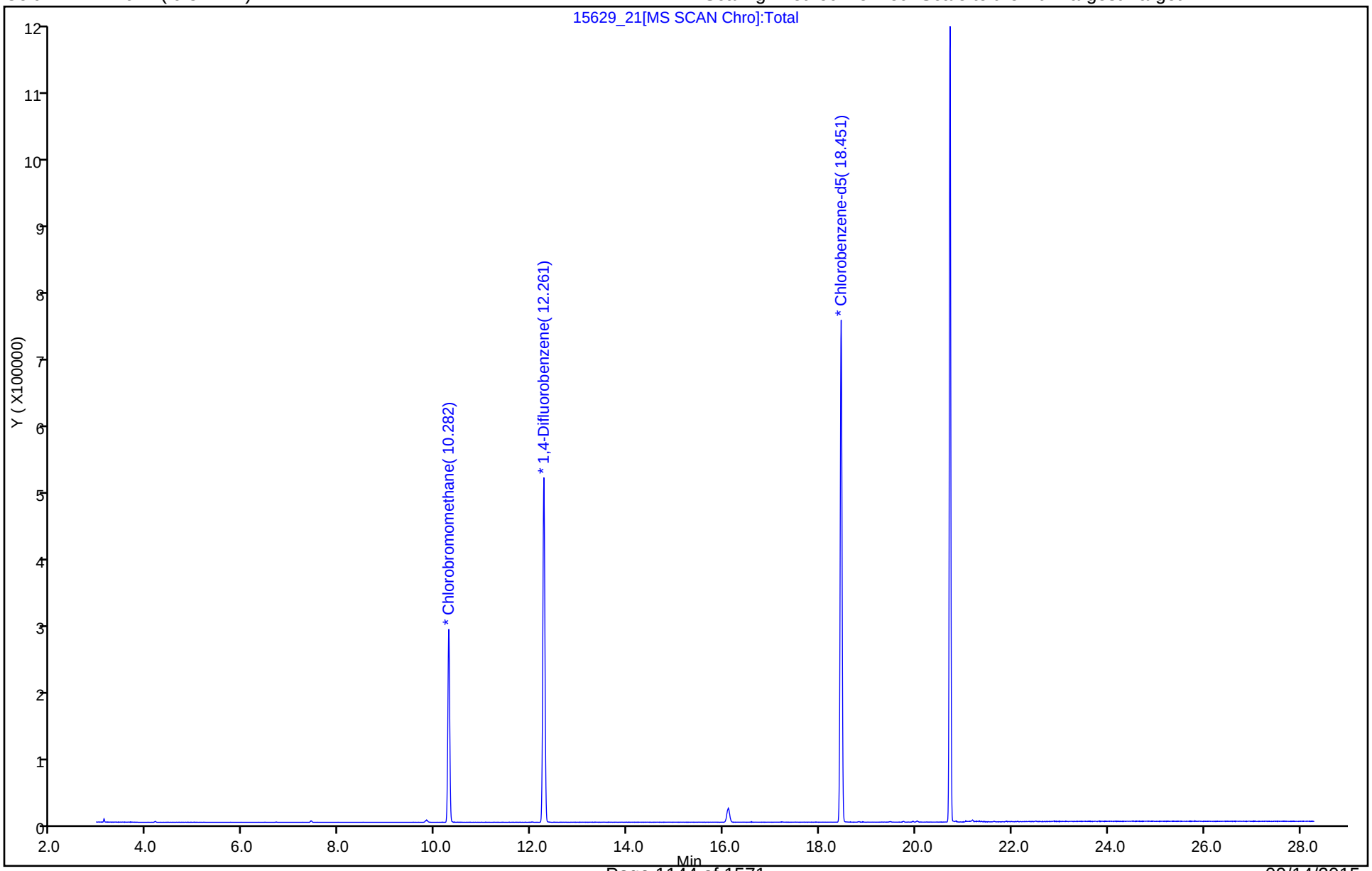
Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_21.D				
Injection Date:	05-Sep-2015 04:08:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-29580-A-23	Lab Sample ID:	200-29580-23	Worklist Smp#:	21
Client ID:	082815TB				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

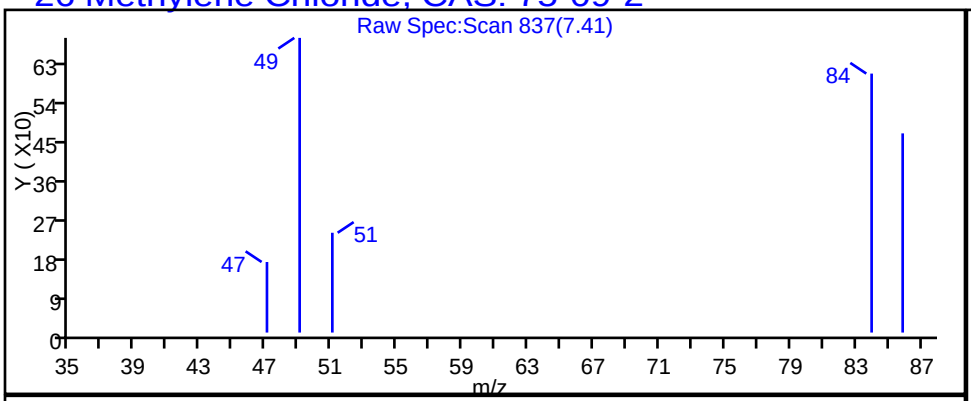
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

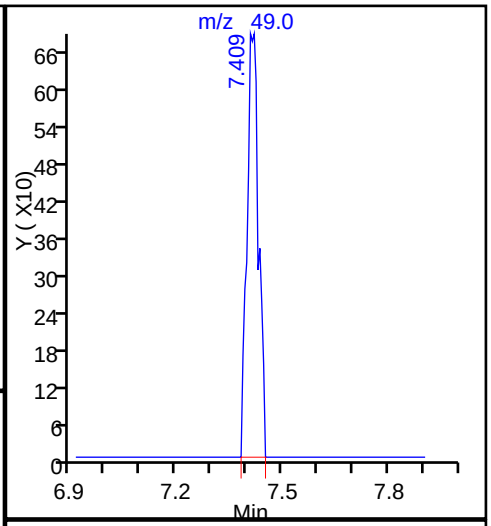


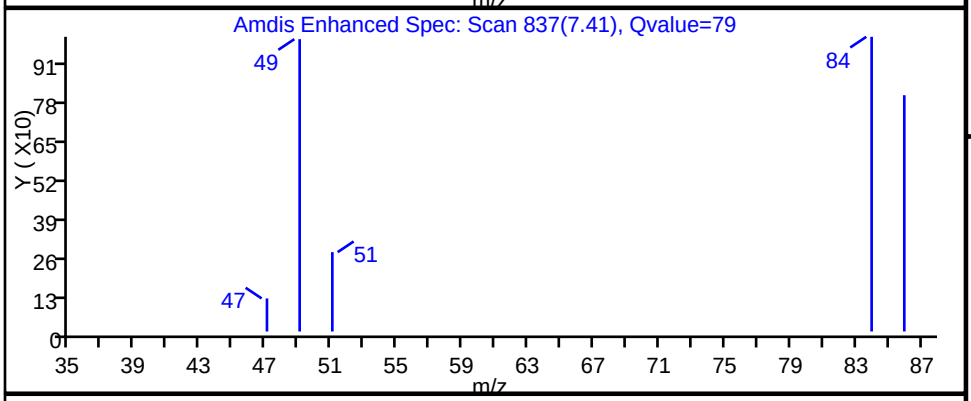
TestAmerica Burlington

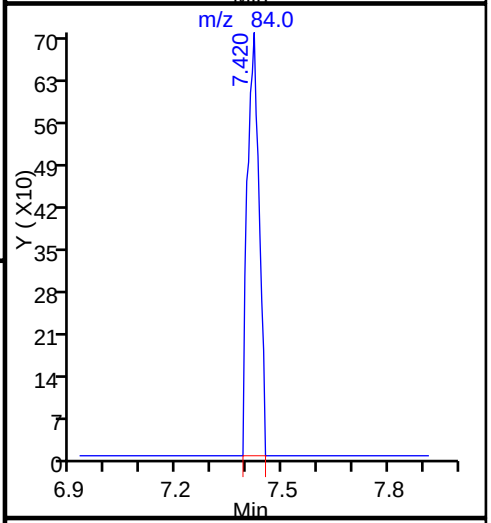
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_21.D				
Injection Date:	05-Sep-2015 04:08:30	Instrument ID:	CHX.i		
Lims ID:	200-29580-A-23	Lab Sample ID:	200-29580-23		
Client ID:	082815TB				
Operator ID:	wrd	ALS Bottle#:	4	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

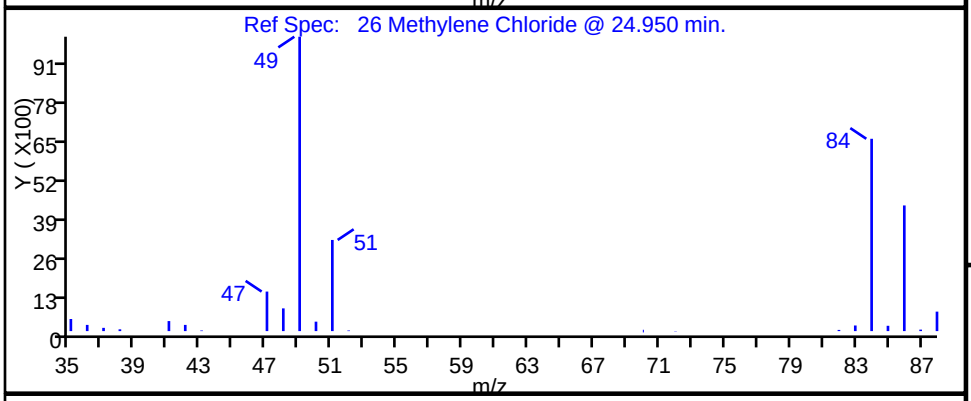
26 Methylene Chloride, CAS: 75-09-2

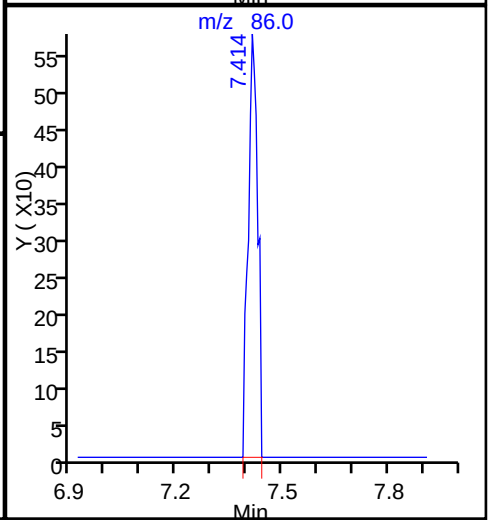


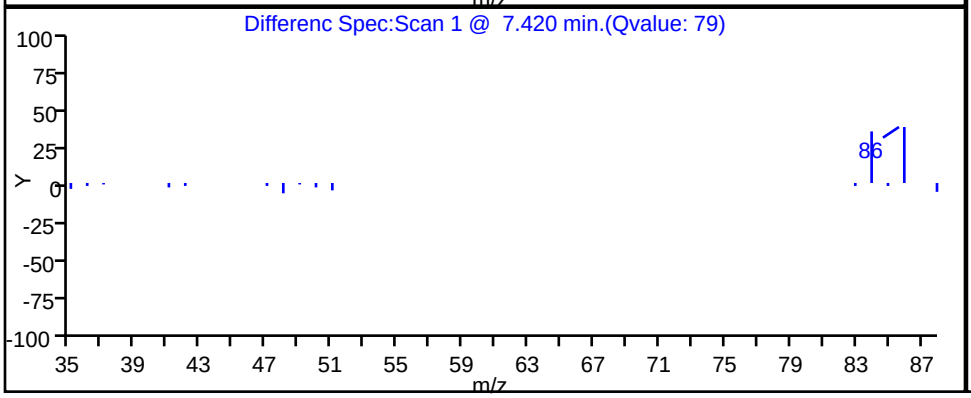












Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92714/4	15276_004.d
Level 2	IC 200-92714/6	15276_006.d
Level 3	IC 200-92714/7	15276_007.d
Level 4	IC 200-92714/8	15276_008.d
Level 5	ICIS 200-92714/9	15276_009.d
Level 6	IC 200-92714/10	15276_010.d
Level 7	IC 200-92714/11	15276_011.d
Level 8	IC 200-92714/12	15276_012.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	+++++ 0.6297	+++++ 0.6282	+++++ 0.5401	0.6681	0.6705	Ave		0.6273				8.4		30.0			
Dichlorodifluoromethane	+++++ 3.1633	+++++ 3.2010	3.6516 2.7992	3.1951	3.3199	Ave		3.2217				8.5		30.0			
Freon 22	+++++ 1.4054	+++++ 1.4066	1.7295 1.2350	1.4481	1.4794	Ave		1.4507				11.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.0923	3.5614 3.0954	3.6266 2.6663	3.1277	3.2560	Ave		3.2037				10.1		30.0			
Chloromethane	+++++ 0.8103	+++++ 0.8120	1.0030 0.7211	0.8168	0.8540	Ave		0.8362				11.1		30.0			
n-Butane	+++++ 1.1331	+++++ 1.1435	1.6103 1.0038	1.2054	1.2179	Ave		1.2190				16.9		30.0			
Vinyl chloride	0.8576 0.9338	1.0884 0.9504	1.0973 0.8498	0.9694	0.9943	Ave		0.9676				9.5		30.0			
1,3-Butadiene	+++++ 0.6334	0.7336 0.6430	0.7692 0.5728	0.6619	0.6760	Ave		0.6700				9.7		30.0			
Bromomethane	+++++ 0.9551	1.1786 0.9692	1.1826 0.8528	0.9930	1.0033	Ave		1.0192				11.8		30.0			
Chloroethane	+++++ 0.6022	+++++ 0.6106	0.6992 0.5476	0.6063	0.6299	Ave		0.6159				8.0		30.0			
Isopentane	+++++ 0.9745	1.2314 0.9685	1.1707 0.8392	0.9974	1.0305	Ave		1.0303				12.8		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.4145	1.5195 1.4482	1.5144 1.2950	1.3653	1.4611	Ave		1.4312				5.6		30.0			
Trichlorofluoromethane	+++++ 3.4223	3.9353 3.4996	3.8777 3.1421	3.3994	3.5659	Ave		3.5489				7.8		30.0			
n-Pentane	+++++ 1.4588	+++++ 1.4487	1.8707 1.2558	1.5097	1.5439	Ave		1.5146				13.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	+++++ 0.2892	+++++ 0.2882	0.3008 0.2487	0.3254	0.3030	Ave		0.2925				8.7		30.0			
Ethyl ether	+++++ 0.7214	0.7675 0.7375	0.8000 0.6498	0.7253	0.7542	Ave		0.7365				6.4		30.0			
Acrolein	+++++ 0.2769	+++++ 0.2247	+++++ 0.0951	0.2420	0.3152	Ave		0.2308				36.1	*	30.0			
Freon TF	+++++ 2.6013	2.9159 2.6401	2.9186 2.3323	2.5880	2.7059	Ave		2.6717				7.6		30.0			
1,1-Dichloroethene	+++++ 1.2992	1.4001 1.3209	1.4131 1.1796	1.2577	1.3468	Ave		1.3168				6.2		30.0			
Acetone	+++++ 1.2831	+++++ 1.3846	+++++ 1.1067	1.4659	1.2464	Ave		1.2973				10.6		30.0			
Carbon disulfide	+++++ 3.0625	+++++ 3.1259	3.4660 2.7608	3.0566	3.1841	Ave		3.1093				7.3		30.0			
Isopropyl alcohol	+++++ 1.2012	+++++ 1.2165	+++++ 1.0664	1.0467	1.0759	Ave		1.1213				7.2		30.0			
3-Chloropropene	+++++ 0.9535	1.0942 0.9465	1.0803 0.7744	0.9051	0.9736	Ave		0.9611				11.3		30.0			
Acetonitrile	+++++ 0.5900	+++++ 0.6033	+++++ 0.5261	0.6198	0.5867	Ave		0.5852				6.1		30.0			
Methylene Chloride	+++++ 0.9560	+++++ 0.9784	1.2763 0.8438	0.9918	1.0106	Ave		1.0095				14.2		30.0			
tert-Butyl alcohol	+++++ 1.8987	+++++ 1.9267	+++++ 1.7446	1.5854	1.7315	Ave		1.7774				7.8		30.0			
Methyl tert-butyl ether	+++++ 3.4172	3.4740 3.4774	3.5741 3.1091	3.3212	3.5372	Ave		3.4157				4.6		30.0			
trans-1,2-Dichloroethene	+++++ 1.4618	1.6793 1.4823	1.6645 1.2905	1.4903	1.5502	Ave		1.5170				8.7		30.0			
Acrylonitrile	+++++ 0.6960	+++++ 0.7056	0.7234 0.6252	0.6882	0.7129	Ave		0.6919				5.0		30.0			
n-Hexane	+++++ 1.5695	1.8239 1.5772	1.8441 1.3594	1.5944	1.6597	Ave		1.6326				10.2		30.0			
1,1-Dichloroethane	1.9498 1.9152	2.2298 1.9312	2.1805 1.6960	1.9301	2.0055	Ave		1.9798				8.4		30.0			
Vinyl acetate	+++++ 2.0151	+++++ 1.9368	+++++ 1.7721	2.0114	2.0767	Ave		1.9624				6.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.4765	1.6473 1.5003	1.6453 1.3215	1.4509	1.5328	Ave		1.5106				7.5		30.0			
Methyl Ethyl Ketone	+++++ 0.6245	+++++ 0.6464	0.8725 0.5349	0.6259	0.6282	Ave		0.6554				17.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	+++++ 0.1183	+++++ 0.1207	+++++ 0.1055	0.1146	0.1198	Ave		0.1158				5.4		30.0			
Tetrahydrofuran	+++++ 0.1975	+++++ 0.2234	+++++ 0.1782	0.1982	0.2016	Ave		0.1998				8.0		30.0			
Chloroform	+++++ 2.5529	2.9217 2.6172	2.8623 2.3225	2.5330	2.6478	Ave		2.6368				7.7		30.0			
Cyclohexane	+++++ 0.3804	0.3994 0.4273	0.4199 0.3369	0.3716	0.3906	Ave		0.3895				7.9		30.0			
1,1,1-Trichloroethane	+++++ 0.5875	0.6299 0.6670	0.6401 0.5494	0.5633	0.5995	Ave		0.6052				7.0		30.0			
Carbon tetrachloride	0.5149 0.6352	0.6222 0.6320	0.6420 0.6141	0.5877	0.6495	Ave		0.6122				7.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.0833	1.1812 1.2013	1.2169 0.9347	1.0987	1.1335	Ave		1.1214				8.6		30.0			
Benzene	+++++ 0.8128	0.9562 0.9105	0.9604 0.7292	0.8108	0.8423	Ave		0.8603				9.9		30.0			
1,2-Dichloroethane	+++++ 0.2984	0.3228 0.3402	0.3428 0.2837	0.2920	0.3093	Ave		0.3127				7.4		30.0			
n-Heptane	+++++ 0.3323	0.3854 0.3671	0.4034 0.2821	0.3431	0.3503	Ave		0.3520				11.2		30.0			
n-Butanol	+++++ 0.1270	+++++ 0.1419	+++++ 0.1193	0.1020	0.1039	Ave		0.1188				14.0		30.0			
Trichloroethene	0.3351 0.3960	0.4272 0.4752	0.4436 0.3632	0.3787	0.4139	Ave		0.4041				11.2		30.0			
1,2-Dichloropropane	+++++ 0.2678	0.2949 0.2998	0.2997 0.2417	0.2652	0.2777	Ave		0.2781				7.8		30.0			
Methyl methacrylate	+++++ 0.2863	+++++ 0.3217	0.2910 0.2616	0.2751	0.2928	Ave		0.2881				7.0		30.0			
1,4-Dioxane	+++++ 0.1521	+++++ 0.1755	+++++ 0.1369	0.1317	0.1286	Ave		0.1450				13.3		30.0			
Dibromomethane	+++++ 0.4889	0.5524 0.6067	0.5679 0.4629	0.4569	0.4916	Ave		0.5182				11.1		30.0			
Bromodichloromethane	+++++ 0.5943	0.5974 0.6435	0.6135 0.5486	0.5749	0.6143	Ave		0.5981				5.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.4478	0.4399 0.5036	0.4491 0.4164	0.4257	0.4550	Ave		0.4482				6.2		30.0			
methyl isobutyl ketone	+++++ 0.4358	+++++ 0.4841	0.4725 0.3791	0.4413	0.4519	Ave		0.4441				8.3		30.0			
n-Octane	+++++ 0.4365	0.5316 0.4688	0.5591 0.3351	0.4807	0.4749	Ave		0.4695				15.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	+++++ 0.6915	0.8022 0.7353	0.8335 0.5707	0.6915	0.7224	Ave		0.7210				11.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.4544	0.4258 0.5086	0.4452 0.4240	0.4299	0.4625	Ave		0.4501				6.6		30.0			
1,1,2-Trichloroethane	+++++ 0.3246	0.3569 0.3509	0.3615 0.2961	0.3170	0.3346	Ave		0.3345				7.1		30.0			
Tetrachloroethene	0.7317 0.7769	0.8167 0.8493	0.8501 0.7093	0.7298	0.7900	Ave		0.7817				7.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4597	+++++ 0.4903	0.4977 0.4015	0.4543	0.4679	Ave		0.4619				7.4		30.0			
Dibromochloromethane	+++++ 0.8007	0.6886 0.7678	0.7326 0.7222	0.7440	0.8298	Ave		0.7551				6.4		30.0			
1,2-Dibromoethane	+++++ 0.6756	0.6925 0.7254	0.7275 0.6234	0.6372	0.6887	Ave		0.6815				5.9		30.0			
Chlorobenzene	+++++ 1.0389	1.1555 1.1127	1.1837 0.9289	1.0046	1.0636	Ave		1.0697				8.3		30.0			
Ethylbenzene	+++++ 1.5271	1.6888 1.6140	1.7406 1.2837	1.5233	1.5949	Ave		1.5675				9.5		30.0			
n-Nonane	+++++ 0.5488	0.6262 0.5664	0.6819 0.4283	0.5796	0.5849	Ave		0.5737				13.6		30.0			
m,p-Xylene	+++++ 0.6312	0.7033 0.6530	0.7484 0.4888	0.6506	0.6697	Ave		0.6493				12.5		30.0			
Xylene, o-	+++++ 0.6668	0.6865 0.7005	0.7366 0.5539	0.6534	0.6895	Ave		0.6696				8.6		30.0			
Styrene	+++++ 1.0268	1.0126 1.0645	1.1115 0.8530	1.0254	1.0804	Ave		1.0249				8.1		30.0			
Bromoform	+++++ 0.8365	0.5543 0.6546	0.5679 0.6912	0.7556	0.9125	Ave		0.7104				18.8		30.0			
Cumene	+++++ 1.8853	1.9852 1.9762	2.1201 1.5558	1.8694	1.9626	Ave		1.9078				9.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8827	0.9636 0.8795	0.9908 0.7404	0.8651	0.8915	Ave		0.8877				9.0		30.0			
n-Propylbenzene	+++++ 2.1725	2.3091 2.2583	2.4809 1.6850	2.1906	2.2875	Ave		2.1977				11.3		30.0			
1,2,3-Trichloropropane	+++++ 0.6463	+++++ 0.6752	0.7573 0.5334	0.6424	0.6697	Ave		0.6540				11.1		30.0			
n-Decane	+++++ 0.7638	+++++ 0.7835	0.9317 0.5754	0.8008	0.8162	Ave		0.7786				14.9		30.0			
4-Ethyltoluene	+++++ 1.9372	2.0408 2.0335	2.1735 1.5442	1.9347	2.0336	Ave		1.9568				10.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	+++++ 1.5409	1.6505 1.6255	1.7543 1.2944	1.5354	1.6051	Ave		1.5723				9.1		30.0			
1,3,5-Trimethylbenzene	+++++ 1.6550	1.7371 1.7517	1.8169 1.3785	1.6197	1.7113	Ave		1.6672				8.6		30.0			
Alpha Methyl Styrene	+++++ 0.9252	0.8106 0.9098	0.8997 0.7973	0.8797	0.9562	Ave		0.8826				6.7		30.0			
tert-Butylbenzene	+++++ 1.6604	1.7518 1.7557	1.8403 1.3815	1.6292	1.7270	Ave		1.6780				8.8		30.0			
1,2,4-Trimethylbenzene	+++++ 1.6625	1.7227 1.7701	1.8412 1.3999	1.6495	1.7338	Ave		1.6828				8.4		30.0			
sec-Butylbenzene	+++++ 2.3718	2.5277 2.4835	2.7160 1.8910	2.3877	2.4999	Ave		2.4111				10.6		30.0			
4-Isopropyltoluene	+++++ 2.1189	2.1821 2.2219	2.3209 1.7191	2.1042	2.2125	Ave		2.1256				9.1		30.0			
1,3-Dichlorobenzene	+++++ 1.2978	1.2890 1.4061	1.3871 1.1274	1.2526	1.3511	Ave		1.3016				7.3		30.0			
1,4-Dichlorobenzene	+++++ 1.3037	1.2617 1.4204	1.3621 1.1406	1.2476	1.3522	Ave		1.2983				7.1		30.0			
Benzyl chloride	+++++ 1.3661	0.9546 1.3618	1.0969 1.2520	1.2294	1.4416	Ave		1.2432				13.7		30.0			
n-Undecane	+++++ 0.8140	+++++ 0.8176	+++++ 0.5803	0.8968	0.8898	Ave		0.7997				16.1		30.0			
n-Butylbenzene	+++++ 1.7005	1.8635 1.7620	2.0207 1.3037	1.7618	1.8118	Ave		1.7463				12.6		30.0			
1,2-Dichlorobenzene	+++++ 1.2523	1.3007 1.3590	1.3479 1.1035	1.1990	1.2843	Ave		1.2638				7.1		30.0			
n-Dodecane	+++++ 0.7955	+++++ 0.8168	+++++ 0.6593	0.8647	0.8713	Ave		0.8015				10.7		30.0			
1,2,4-Trichlorobenzene	+++++ 1.0509	+++++ 1.2567	0.9410 1.0706	1.0044	1.1109	Ave		1.0724				10.0		30.0			
Hexachlorobutadiene	+++++ 1.0238	1.0183 1.1143	1.0715 0.9105	0.9549	1.0194	Ave		1.0161				6.7		30.0			
Naphthalene	+++++ 1.8726	+++++ 2.4344	1.6320 2.0197	2.0035	2.2749	Ave		2.0395				14.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.9656	0.7906 1.1547	0.9291 0.9983	0.9497	1.0152	Ave		0.9719				11.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92714/4	15276_004.d
Level 2	IC 200-92714/6	15276_006.d
Level 3	IC 200-92714/7	15276_007.d
Level 4	IC 200-92714/8	15276_008.d
Level 5	ICIS 200-92714/9	15276_009.d
Level 6	IC 200-92714/10	15276_010.d
Level 7	IC 200-92714/11	15276_011.d
Level 8	IC 200-92714/12	15276_012.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	+++++ 209835	+++++ 274180	+++++ 521681	69003	144139	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1054120	+++++ 1396999	35374 2703886	329986	713719	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 468329	+++++ 613877	16754 1192942	149563	318046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1030472	13573 1350936	35132 2575583	323034	699988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 270017	+++++ 354380	9716 696513	84362	183586	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 377584	+++++ 499065	15599 969594	124496	261833	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	654 311165	4148 414789	10630 820912	100124	213749	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 211054	2796 280643	7451 553275	68366	145332	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 318282	4492 423006	11456 823763	102554	215686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 200659	+++++ 266487	6773 528940	62614	135406	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 324737	4693 422682	11341 810667	103009	221543	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 471367	5791 632044	14670 1250968	141010	314111	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1140409	14998 1527343	37564 3035146	351092	766595	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 486122	+++++ 632256	18122 1213058	155926	331919	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 128790	+++++ 251582	29171 600504	67256	97766	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	+++++ 240391	2925 321855	7750 627657	74904	162135	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 92284	+++++ 98076	+++++ 91886	24995	67757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 866852	11113 1152206	28273 2252940	267293	581721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 432923	5336 576461	13689 1139431	129899	289544	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 427581	+++++ 604299	+++++ 1068988	151394	267942	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1020518	+++++ 1364234	33576 2666879	315689	684512	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 400274	+++++ 530925	+++++ 1030103	108104	231294	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 317728	4170 413059	10465 748083	93475	209305	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 196606	+++++ 263305	+++++ 508183	64014	126121	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 318565	+++++ 427001	12364 815105	102431	217260	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 632712	+++++ 840880	+++++ 1685183	163739	372231	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1138713	13240 1517641	34623 3003289	343015	760441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 487128	6400 646926	16124 1246573	153917	333266	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 231945	+++++ 307931	7008 603919	71081	153252	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 522999	6951 688353	17864 1313175	164669	356815	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1487 638211	8498 842839	21123 1638280	199338	431147	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 671483	+++++ 845280	+++++ 1711826	207738	446450	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 492018	6278 654772	15938 1276507	149854	329520	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 208118	+++++ 282125	8452 516671	64644	135049	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 39422	+++++ 52656	+++++ 101894	11836	25750	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 316492	+++++ 421720	+++++ 801644	100440	211402	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	+++++ 850713	11135 1142229	27728 2243486	261604	569228	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 609621	7523 806709	19802 1515327	188279	409537	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 941524	11864 1259081	30189 2471015	285399	628557	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1945 1018011	11719 1193119	30279 2762013	297759	680939	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1736112	22249 2267728	57392 4203811	556689	1188416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1302611	18011 1718838	45295 3279727	410787	883108	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 478257	6080 642187	16167 1276033	147931	324258	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 532492	7259 693047	19024 1268672	173856	367244	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 203589	+++++ 267814	+++++ 536554	51665	108969	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1266 634617	8046 897007	20921 1633744	191880	433905	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 429237	5555 565892	14134 1087282	134365	291192	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 458839	+++++ 607350	13722 1176764	139386	306948	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 243769	+++++ 331243	+++++ 615570	66729	134831	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 783538	10404 1145271	26785 2081971	231479	515452	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 952439	11252 1214747	28934 2467262	291312	644026	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 717607	8286 950761	21182 1872953	215681	477011	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 698397	+++++ 913934	22283 1704858	223586	473802	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 699564	10013 884985	26367 1507021	243561	497889	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1025039	14081 1343520	36219 2359560	327992	702810	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 728194	8020 960080	20994 1907122	217810	484946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 481224	6264 641097	15707 1224354	150341	325560	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	CBZ	Ave	2391 1151596	14335 1551765	36937 2932419	346125	768567	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 681426	+++++ 895863	21625 1659944	215475	455188	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1186805	12086 1402884	31834 2986098	352853	807279	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1001463	12155 1325446	31610 2577546	302232	669996	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1539925	20281 2033034	51435 3840624	476470	1034786	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2263601	29642 2949030	75631 5307379	722494	1551624	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 813467	10991 1034931	29630 1770844	274889	569088	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 1871339	24688 2386158	65037 4041521	617108	1303023	+++++ 30.0	0.400 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 988432	12050 1279986	32008 2290088	309899	670837	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1521972	17774 1945065	48295 3526694	486346	1051117	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1239942	9730 1195993	24675 2857600	358359	887762	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 2794513	34844 3610817	92123 6432377	886634	1909383	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1308428	16913 1607081	43052 3061094	410301	867352	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3220222	40529 4126295	107799 6966554	1038986	2225538	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 957966	+++++ 1233704	32908 2205203	304682	651501	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1132148	+++++ 1431651	40484 2378840	379833	794090	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 2871493	35820 3715597	94444 6384319	917599	1978518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2284086	28970 2970158	76229 5351577	728222	1561560	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 2453261	30489 3200687	78947 5699544	768213	1664875	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1371484	14227 1662288	39094 3296589	417252	930244	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2461166	30748 3207969	79963 5711849	772702	1680211	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92714

SDG No.:

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/13/2015 17:16 Calibration End Date: 08/13/2015 23:55 Calibration ID: 31735

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	CBZ	Ave	+++++ 2464364	30237 3234351	80004 5787658	782333	1686769	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 3515688	44367 4537880	118013 7818430	1132470	2432109	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3140766	38301 4059785	100846 7107410	998006	2152514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1923711	22625 2569141	60273 4661209	594109	1314439	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1932505	22146 2595414	59187 4715714	591727	1315529	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 2024995	16756 2488213	47661 5176306	583095	1402490	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1206568	+++++ 1493888	+++++ 2399411	425338	865643	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2520706	32708 3219480	87802 5390064	835591	1762644	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1856239	22830 2483221	58570 4562315	568673	1249513	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1179227	+++++ 1492377	+++++ 2725678	410123	847707	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1557789	+++++ 2296197	40886 4426412	476397	1080798	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1517640	17873 2036016	46557 3764432	452904	991765	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 2775791	+++++ 4448149	70912 8350211	950237	2213222	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1431231	13877 2109856	40371 4127577	450442	987650	+++++ 15.0	0.200 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\CHW.i\20150813-15276.b\15276_004.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-Aug-2015 17:16:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-004
Misc. Info.: ic-01
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:27 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 14-Aug-2015 09:16:43

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	4.313	4.324	-0.011	90	1723	0.0401	0.1444	
2 Dichlorodifluoromethane	85	4.415	4.426	-0.011	95	2511	0.0401	0.0410	
3 Chlorodifluoromethane	51	4.485	4.495	-0.010	8	1294	0.0401	0.0469	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.795	4.805	-0.010	86	2465	0.0401	0.0404	
5 Chloromethane	50	4.998	5.009	-0.011	6	309	0.0401	0.0194	
6 Butane	43	5.287	5.292	-0.005	34	612	0.0401	0.0264	
7 Vinyl chloride	62	5.340	5.351	-0.011	86	654	0.0401	0.0355	M
8 Butadiene	54	5.453	5.458	-0.005	81	246	0.0401	0.0193	
9 BFB									
10 Bromomethane	94	6.368	6.373	-0.005	27	948	0.0401	0.0489	
11 Chloroethane	64	6.683	6.683	0.000	1	146	0.0401	0.0125	
12 2-Methylbutane	43	6.763	6.763	0.000	87	674	0.0401	0.0344	
13 Vinyl bromide	106	7.181	7.181	0.000	49	898	0.0401	0.0330	
14 Trichlorofluoromethane	101	7.298	7.298	0.000	94	1829	0.0401	0.0271	
16 Pentane	43	7.464	7.470	-0.006	90	1163	0.0401	0.0404	
17 Ethanol	45	7.994	7.962	0.032	76	925	0.0802	0.1662	
18 Ethyl ether	59	8.133	8.095	0.038	1	310	0.0401	0.0221	
19 Acrolein	56		8.588				ND	ND	
20 1,1,2-Trichloro-1,2,2-trif	101	8.604	8.604	0.000	90	1972	0.0401	0.0388	
21 1,1-Dichloroethene	96	8.668	8.679	-0.011	63	826	0.0401	0.0330	
22 Acetone	43	8.973	8.957	0.016	94	12436	0.0401	0.5039	
23 Carbon disulfide	76	9.171	9.171	0.000	98	2836	0.0401	0.0479	
24 Isopropyl alcohol	45	9.246	9.230	0.016	97	4682	0.0401	0.2195	
25 3-Chloro-1-propene	41	9.593	9.599	-0.006	1	330	0.0401	0.0180	
26 Acetonitrile	41	9.604	9.770	-0.166	31	541	0.0401	0.0486	
27 Methylene Chloride	49	9.925	9.936	-0.011	78	1327	0.0401	0.0691	
28 2-Methyl-2-propanol	59	10.139	10.128	0.011	81	1531	0.0401	0.0453	
S 30 1,2-Dichloroethene, Total	61				0		0.0802	0.0497	
29 Methyl tert-butyl ether	73	10.401	10.385	0.016	84	2702	0.0401	0.0416	
31 trans-1,2-Dichloroethene	61	10.439	10.444	-0.005	79	747	0.0401	0.0259	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Acrylonitrile	53	10.631	10.626	0.005	39	295	0.0401	0.0224	
33 Hexane	57	10.856	10.861	-0.005	82	1266	0.0401	0.0408	
34 1,1-Dichloroethane	63	11.423	11.434	-0.011	1	1487	0.0401	0.0395	
35 Vinyl acetate	43	11.477	11.487	-0.010	94	1333	0.0401	0.0357	
37 cis-1,2-Dichloroethene	96	12.627	12.627	0.000	61	685	0.0401	0.0238	
38 2-Butanone (MEK)	72	12.686	12.664	0.022	96	536	0.0401	0.0430	
39 Ethyl acetate	88		12.675				ND	ND	
41 Tetrahydrofuran	42	13.146	13.119	0.027	38	614	0.0401	0.0326	
* 40 Chlorobromomethane	128	13.114	13.119	-0.005	73	190240	10.0	10.0	
42 Chloroform	83	13.215	13.226	-0.011	79	2054	0.0401	0.0409	
43 Cyclohexane	84	13.520	13.520	0.000	75	794	0.0401	0.0216	
44 1,1,1-Trichloroethane	97	13.542	13.541	0.001	86	2187	0.0401	0.0383	
45 Carbon tetrachloride	117	13.788	13.793	-0.005	75	1945	0.0401	0.0337	
46 Isooctane	57	14.178	14.194	-0.016	97	3776	0.0401	0.0357	
47 Benzene	78	14.258	14.258	0.000	91	3679	0.0401	0.0454	
48 1,2-Dichloroethane	62		14.424				ND	ND	
49 n-Heptane	43	14.542	14.537	0.006	79	750	0.0401	0.0226	
A 51 GRO	1	14.922	(6.753-23.090)		0	3216005	0.0401	0	
* 50 1,4-Difluorobenzene	114	15.023	15.023	0.000	92	942362	10.0	10.0	
52 n-Butanol	56		15.302				ND	ND	
53 Trichloroethene	95	15.484	15.489	-0.005	91	1266	0.0401	0.0332	
54 1,2-Dichloropropane	63		16.024				ND	ND	
55 Methyl methacrylate	69	16.115	16.109	0.006	84	955	0.0401	0.0352	
56 1,4-Dioxane	88	16.227	16.200	0.027	84	1146	0.0401	0.0839	
57 Dibromomethane	174	16.259	16.264	-0.005	87	1874	0.0401	0.0384	
58 Dichlorobromomethane	83	16.505	16.511	-0.006	89	1767	0.0401	0.0314	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	3595468	0.0401	52.9	
60 cis-1,3-Dichloropropene	75	17.399	17.383	0.016	69	408	0.0401	0.009659	
61 4-Methyl-2-pentanone (MIBK	43	17.645	17.634	0.011	90	1800	0.0401	0.0430	
64 n-Octane	43	17.939	17.944	-0.005	69	1859	0.0401	0.0420	
A 62 C8 Range	1	17.956	(17.894-17.994)		0	13519	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	13519	0.0401	0.2300	
65 Toluene	92	17.960	17.966	-0.006	89	2382	0.0401	0.0405	
66 trans-1,3-Dichloropropene	75	18.495	18.495	0.000	85	1232	0.0401	0.0290	
67 1,1,2-Trichloroethane	83		18.870				ND	ND	
68 Tetrachloroethene	166	18.998	18.998	0.000	89	2391	0.0401	0.0375	M
69 2-Hexanone	43	19.276	19.271	0.005	89	1735	0.0401	0.0461	
71 Chlorodibromomethane	129	19.624	19.629	-0.005	93	2050	0.0401	0.0333	
72 Ethylene Dibromide	107	19.913	19.924	-0.011	96	2021	0.0401	0.0364	
S 73 Xylenes, Total	106				0		0.1203	0.1298	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	815118	10.0	10.0	
75 Chlorobenzene	112	20.790	20.796	-0.006	83	3760	0.0401	0.0431	
76 Ethylbenzene	91	20.903	20.903	0.000	93	5629	0.0401	0.0441	
77 n-Nonane	57	20.940	20.945	-0.005	84	1988	0.0401	0.0425	
78 m-Xylene & p-Xylene	106	21.111	21.117	-0.006	0	4547	0.0802	0.0859	
79 o-Xylene	106	21.807	21.807	0.000	94	2397	0.0401	0.0439	
80 Styrene	104	21.844	21.844	0.000	90	2468	0.0401	0.0295	
81 Bromoform	173	22.213	22.208	0.005	86	1648	0.0401	0.0285	
$ 83 4-Bromofluorobenzene	95		22.208				ND	ND	
82 Isopropylbenzene	105	22.353	22.358	-0.005	93	6936	0.0401	0.0446	
84 1,1,2,2-Tetrachloroethane	83	22.898	22.903	-0.005	94	3302	0.0401	0.0456	
85 N-Propylbenzene	91	22.978	22.978	0.000	99	7985	0.0401	0.0446	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.005	23.010	-0.005	60	2983	0.0401	0.0560	
87 n-Decane	57	23.080	23.080	0.000	91	2697	0.0401	0.0425	
88 4-Ethyltoluene	105	23.144	23.150	-0.006	97	6962	0.0401	0.0436	
89 2-Chlorotoluene	91	23.176	23.182	-0.006	94	6138	0.0401	0.0479	
90 1,3,5-Trimethylbenzene	105	23.241	23.240	0.001	93	5842	0.0401	0.0430	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	86	711	0.0401	0.009882	
92 tert-Butylbenzene	119	23.727	23.727	0.000	93	6028	0.0401	0.0441	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	92	5868	0.0401	0.0428	
94 sec-Butylbenzene	105	24.064	24.064	0.000	98	8555	0.0401	0.0435	
95 4-Isopropyltoluene	119	24.268	24.273	-0.005	97	7255	0.0401	0.0419	
96 1,3-Dichlorobenzene	146	24.343	24.343	0.001	93	2748	0.0401	0.0259	
97 1,4-Dichlorobenzene	146	24.487	24.492	-0.005	95	4332	0.0401	0.0409	
98 Benzyl chloride	91	24.712	24.712	0.000	92	1958	0.0401	0.0193	
99 Undecane	57	24.899	24.899	0.000	92	2330	0.0401	0.0357	
100 n-Butylbenzene	91	24.931	24.931	0.000	96	5713	0.0401	0.0401	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	98	4270	0.0401	0.0414	
102 Dodecane	57	26.787	26.787	0.000	95	3789	0.0401	0.0580	
103 1,2,4-Trichlorobenzene	180	28.141	28.146	-0.005	91	2930	0.0401	0.0335	
104 Hexachlorobutadiene	225	28.360	28.355	0.005	89	4378	0.0401	0.0529	
105 Naphthalene	128	28.788	28.777	0.011	95	4677	0.0401	0.0281	
106 1,2,3-Trichlorobenzene	180	29.371	29.371	0.000	94	3687	0.0401	0.0465	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00142	Amount Added: 40.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

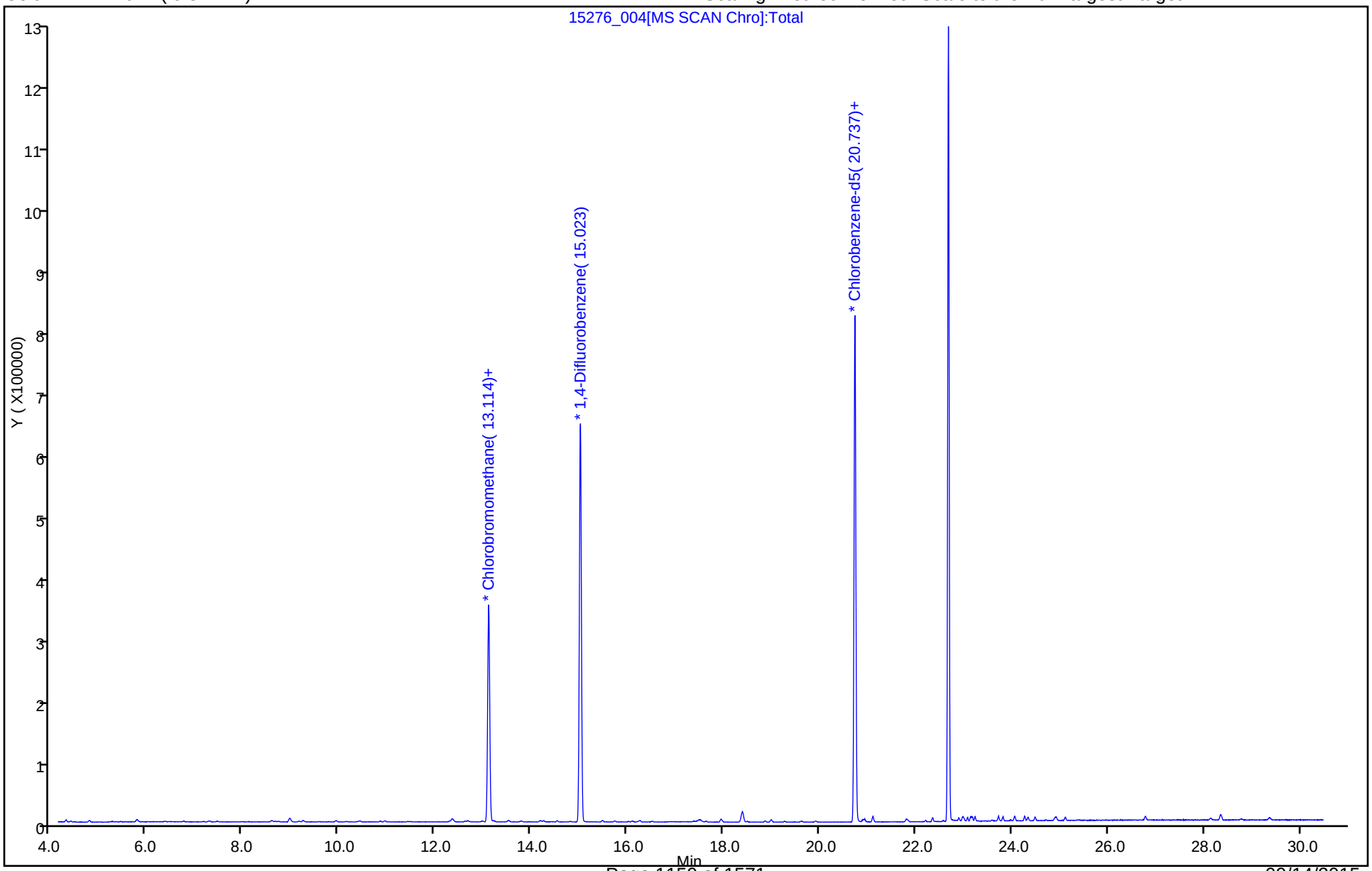
Report Date: 19-Aug-2015 10:29:27 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_004.d

Injection Date:	13-Aug-2015 17:16:30	Instrument ID:	CHW.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_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

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



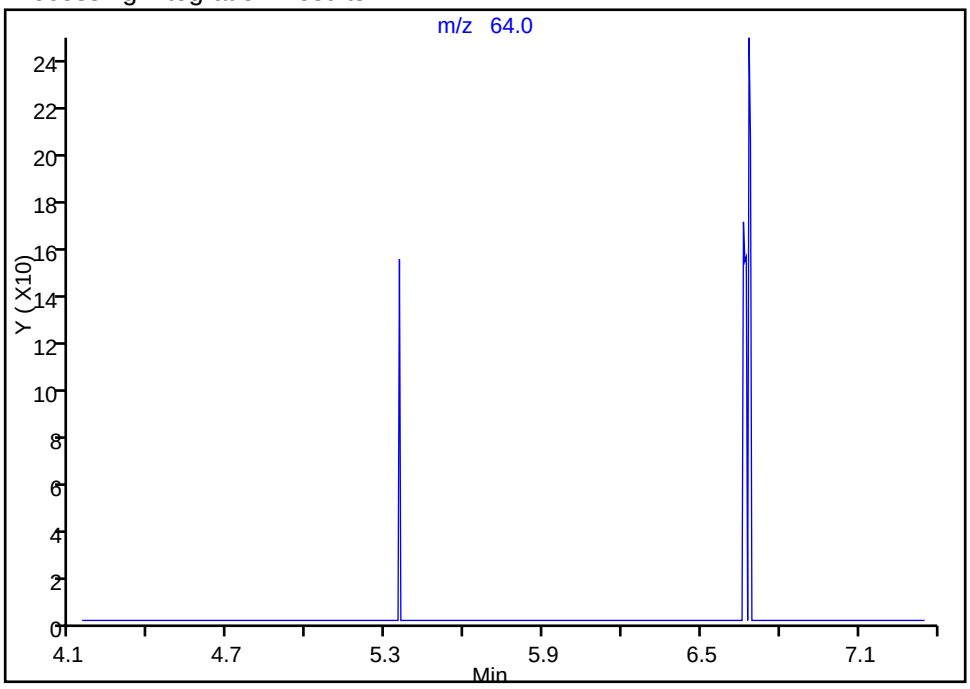
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_004.d				
Injection Date:	13-Aug-2015 17:16:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Vinyl chloride, CAS: 75-01-4

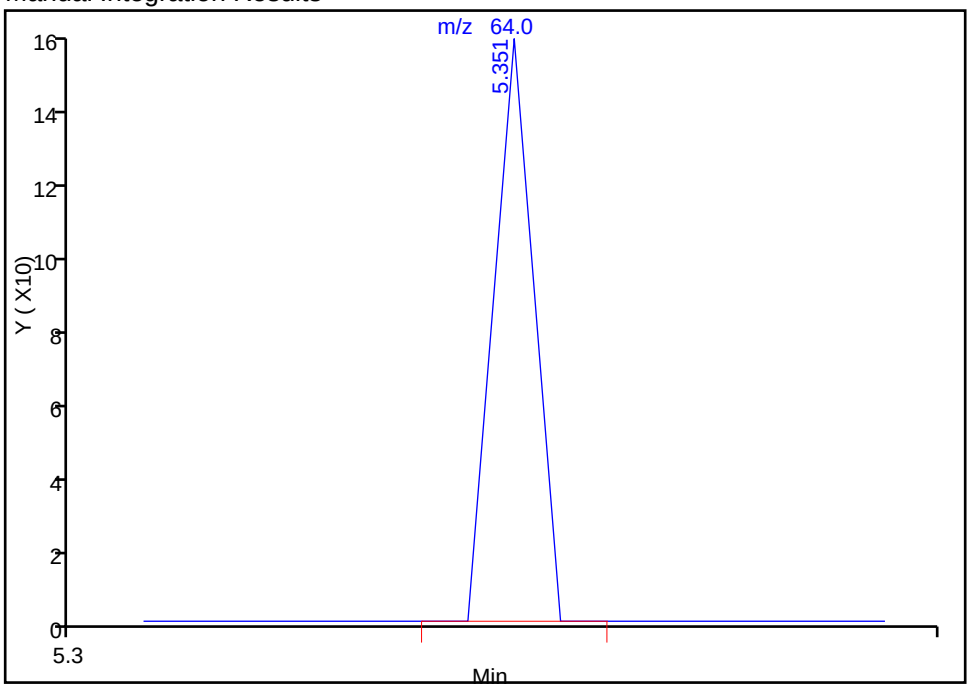
Processing Integration Results

RT: 5.35
Area: 0
Amount: 0.035528
Amount Units: ppb v/v



Manual Integration Results

RT: 5.35
Area: 50
Amount: 0.035528
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:16:43
Audit Action: Manually Integrated
Audit Reason: Baseline

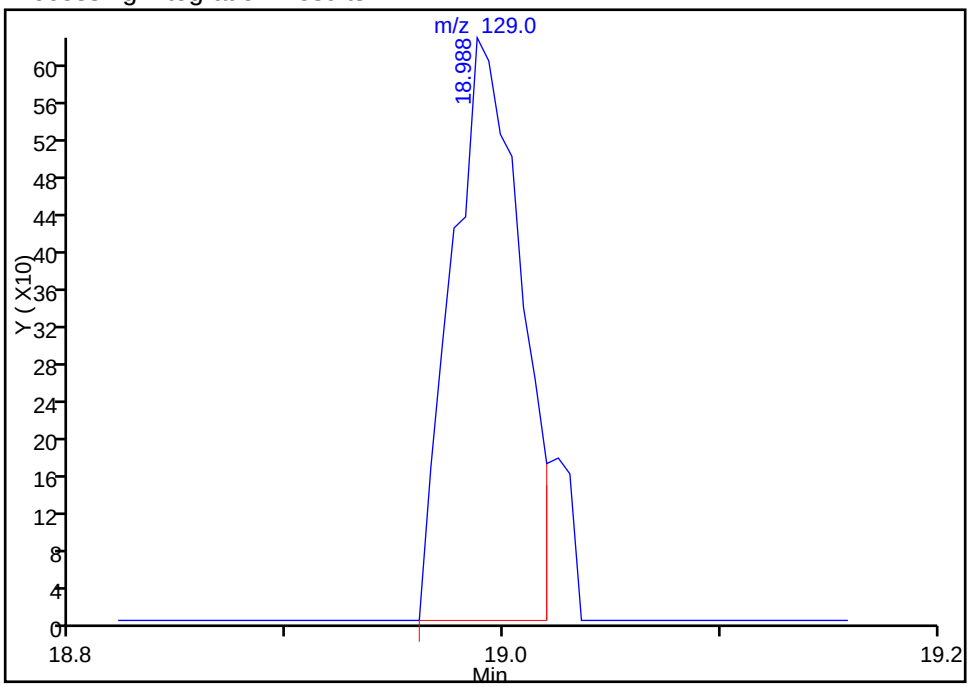
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_004.d				
Injection Date:	13-Aug-2015 17:16:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

68 Tetrachloroethene, CAS: 127-18-4

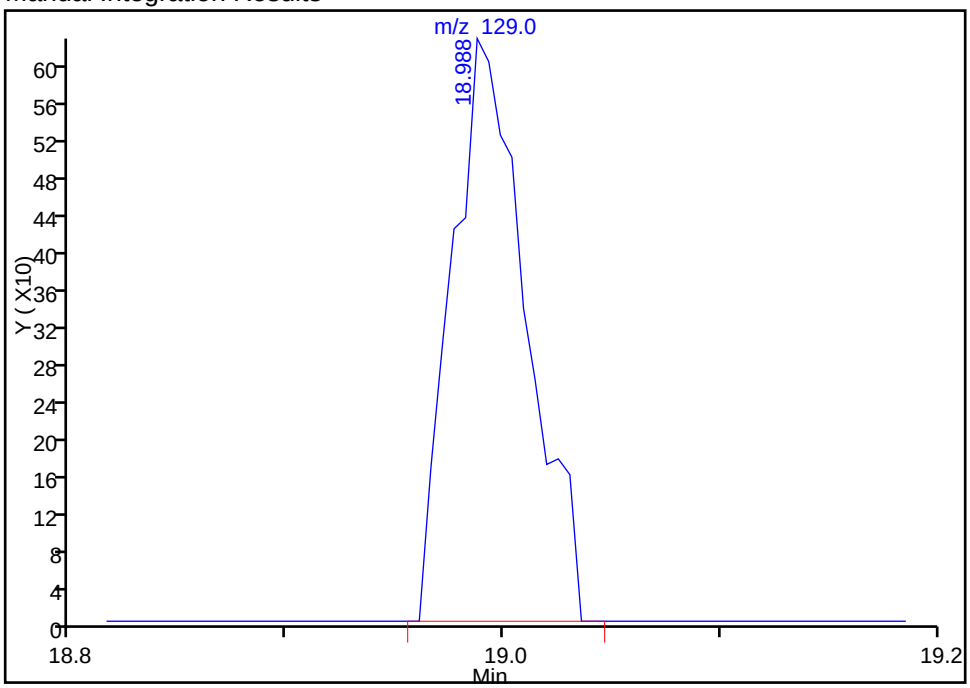
Processing Integration Results

RT: 18.99
Area: 1394
Amount: 0.037524
Amount Units: ppb v/v



Manual Integration Results

RT: 18.99
Area: 1501
Amount: 0.037524
Amount Units: ppb v/v



Reviewer: daiglep, 19-Aug-2015 10:06:54
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-Aug-2015 18:52:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-006
Misc. Info.: ic-02
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:31 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 14-Aug-2015 09:20:05

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	4.324	4.324	0.000	96	4781	0.2002	0.4003	
2 Dichlorodifluoromethane	85	4.426	4.426	0.000	99	14042	0.2002	0.2289	
3 Chlorodifluoromethane	51	4.506	4.495	0.011	96	6570	0.2002	0.2379	M
4 1,2-Dichloro-1,1,2,2-tetra	85	4.805	4.805	0.000	83	13573	0.2002	0.2225	
5 Chloromethane	50	5.019	5.009	0.010	95	3966	0.2002	0.2491	M
6 Butane	43	5.298	5.292	0.006	98	6402	0.2002	0.2759	M
7 Vinyl chloride	62	5.356	5.351	0.005	95	4148	0.2002	0.2252	
8 Butadiene	54	5.463	5.458	0.005	90	2796	0.2002	0.2192	
9 BFB									
10 Bromomethane	94	6.378	6.373	0.005	96	4492	0.2002	0.2315	
11 Chloroethane	64	6.678	6.683	-0.005	97	2708	0.2002	0.2309	
12 2-Methylbutane	43	6.774	6.763	0.011	87	4693	0.2002	0.2392	
13 Vinyl bromide	106	7.186	7.181	0.005	97	5791	0.2002	0.2125	
14 Trichlorofluoromethane	101	7.298	7.298	0.000	97	14998	0.2002	0.2220	
16 Pentane	43	7.475	7.470	0.005	97	7028	0.2002	0.2437	
17 Ethanol	45	7.978	7.962	0.016	100	11871	2.00	2.13	
18 Ethyl ether	59	8.106	8.095	0.011	90	2925	0.2002	0.2086	
19 Acrolein	56	8.604	8.588	0.016	37	1094	0.2002	0.2490	
20 1,1,2-Trichloro-1,2,2-trif	101	8.598	8.604	-0.006	95	11113	0.2002	0.2185	
21 1,1-Dichloroethene	96	8.679	8.679	0.000	90	5336	0.2002	0.2129	
22 Acetone	43	8.968	8.957	0.011	95	17643	0.2002	0.7143	
23 Carbon disulfide	76	9.165	9.171	-0.006	98	13024	0.2002	0.2200	
24 Isopropyl alcohol	45	9.251	9.230	0.021	98	8950	0.2002	0.4192	
25 3-Chloro-1-propene	41	9.593	9.599	-0.006	92	4170	0.2002	0.2279	M
26 Acetonitrile	41	9.775	9.770	0.005	95	3013	0.2002	0.2704	M
27 Methylene Chloride	49	9.930	9.936	-0.006	81	5571	0.2002	0.2899	
28 2-Methyl-2-propanol	59	10.144	10.128	0.016	94	7155	0.2002	0.2114	M
S 30 1,2-Dichloroethene, Total	61				0		0.4004	0.4399	
29 Methyl tert-butyl ether	73	10.401	10.385	0.016	96	13240	0.2002	0.2036	
31 trans-1,2-Dichloroethene	61	10.439	10.444	-0.005	92	6400	0.2002	0.2216	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Acrylonitrile	53	10.631	10.626	0.005	92	2613	0.2002	0.1984	M
33 Hexane	57	10.856	10.861	-0.005	89	6951	0.2002	0.2236	
34 1,1-Dichloroethane	63	11.428	11.434	-0.006	98	8498	0.2002	0.2255	
35 Vinyl acetate	43	11.487	11.487	0.000	98	7964	0.2002	0.2132	
37 cis-1,2-Dichloroethene	96	12.627	12.627	0.000	78	6278	0.2002	0.2183	
38 2-Butanone (MEK)	72	12.675	12.664	0.011	98	2929	0.2002	0.2347	
39 Ethyl acetate	88		12.675				ND	ND	
41 Tetrahydrofuran	42	13.151	13.119	0.032	80	4038	0.2002	0.2148	
* 40 Chlorobromomethane	128	13.114	13.119	-0.005	85	190385	10.0	10.0	
42 Chloroform	83	13.221	13.226	-0.005	95	11135	0.2002	0.2218	
43 Cyclohexane	84	13.515	13.520	-0.005	92	7523	0.2002	0.2053	M
44 1,1,1-Trichloroethane	97	13.542	13.541	0.001	94	11864	0.2002	0.2083	
45 Carbon tetrachloride	117	13.788	13.793	-0.005	97	11719	0.2002	0.2034	
46 Isooctane	57	14.194	14.194	0.000	98	22249	0.2002	0.2109	
47 Benzene	78	14.258	14.258	0.000	93	18011	0.2002	0.2225	
48 1,2-Dichloroethane	62	14.419	14.424	-0.005	95	6080	0.2002	0.2066	
49 n-Heptane	43	14.547	14.537	0.011	65	7259	0.2002	0.2192	M
A 51 GRO	1	14.922	(6.753-23.090)		0	5133441	0.2002	0	
* 50 1,4-Difluorobenzene	114	15.023	15.023	0.000	92	940916	10.0	10.0	
52 n-Butanol	56	15.312	15.302	0.010	83	2510	0.2002	0.2245	M
53 Trichloroethene	95	15.478	15.489	-0.011	94	8046	0.2002	0.2116	
54 1,2-Dichloropropane	63	16.018	16.024	-0.006	88	5555	0.2002	0.2123	
55 Methyl methacrylate	69	16.104	16.109	-0.005	94	5286	0.2002	0.1950	
56 1,4-Dioxane	88	16.216	16.200	0.016	63	3676	0.2002	0.2695	
57 Dibromomethane	174	16.259	16.264	-0.005	88	10404	0.2002	0.2134	
58 Dichlorobromomethane	83	16.505	16.511	-0.006	97	11252	0.2002	0.2000	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	6784665	0.2002	100.0	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	87	8286	0.2002	0.1965	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.634	0.000	90	8380	0.2002	0.2005	
64 n-Octane	43	17.944	17.944	0.000	82	10013	0.2002	0.2266	
A 62 C8 Range	1	17.944	(17.894-17.994)		0	93127	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	93127	0.2002	1.47	
65 Toluene	92	17.966	17.966	0.000	94	14081	0.2002	0.2227	
66 trans-1,3-Dichloropropene	75	18.495	18.495	0.000	93	8020	0.2002	0.1894	
67 1,1,2-Trichloroethane	83	18.870	18.870	0.000	94	6264	0.2002	0.2136	
68 Tetrachloroethene	166	18.998	18.998	0.000	92	14335	0.2002	0.2091	
69 2-Hexanone	43	19.276	19.271	0.005	98	7844	0.2002	0.1937	
71 Chlorodibromomethane	129	19.624	19.629	-0.005	96	12086	0.2002	0.1825	
72 Ethylene Dibromide	107	19.918	19.924	-0.006	98	12155	0.2002	0.2034	
S 73 Xylenes, Total	106				0		0.6005	0.6389	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	876813	10.0	10.0	
75 Chlorobenzene	112	20.790	20.796	-0.006	97	20281	0.2002	0.2162	
76 Ethylbenzene	91	20.897	20.903	-0.006	96	29642	0.2002	0.2157	
77 n-Nonane	57	20.940	20.945	-0.005	84	10991	0.2002	0.2185	
78 m-Xylene & p-Xylene	106	21.117	21.117	0.000	0	24688	0.4004	0.4337	
79 o-Xylene	106	21.812	21.807	0.005	98	12050	0.2002	0.2052	
80 Styrene	104	21.844	21.844	0.000	96	17774	0.2002	0.1978	
81 Bromoform	173	22.208	22.208	0.000	98	9730	0.2002	0.1562	
$ 83 4-Bromofluorobenzene	95		22.208				ND	ND	
82 Isopropylbenzene	105	22.358	22.358	0.000	94	34844	0.2002	0.2083	
84 1,1,2,2-Tetrachloroethane	83	22.904	22.903	0.001	98	16913	0.2002	0.2173	
85 N-Propylbenzene	91	22.984	22.978	0.006	100	40529	0.2002	0.2103	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.005	23.010	-0.005	94	13125	0.2002	0.2289	
87 n-Decane	57	23.085	23.080	0.005	93	15144	0.2002	0.2218	
88 4-Ethyltoluene	105	23.150	23.150	0.000	97	35820	0.2002	0.2088	
89 2-Chlorotoluene	91	23.176	23.182	-0.006	95	28970	0.2002	0.2101	
90 1,3,5-Trimethylbenzene	105	23.235	23.240	-0.005	95	30489	0.2002	0.2086	
91 Alpha Methyl Styrene	118	23.599	23.594	0.005	91	14227	0.2002	0.1838	
92 tert-Butylbenzene	119	23.727	23.727	0.000	96	30748	0.2002	0.2090	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	30237	0.2002	0.2049	
94 sec-Butylbenzene	105	24.064	24.064	0.000	99	44367	0.2002	0.2099	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	97	38301	0.2002	0.2055	
96 1,3-Dichlorobenzene	146	24.343	24.343	0.001	95	22625	0.2002	0.1982	
97 1,4-Dichlorobenzene	146	24.492	24.492	0.000	96	22146	0.2002	0.1945	
98 Benzyl chloride	91	24.712	24.712	0.000	99	16756	0.2002	0.1537	
99 Undecane	57	24.899	24.899	0.000	91	16418	0.2002	0.2341	
100 n-Butylbenzene	91	24.926	24.931	-0.005	97	32708	0.2002	0.2136	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	99	22830	0.2002	0.2060	
102 Dodecane	57	26.787	26.787	0.000	96	13173	0.2002	0.1874	
103 1,2,4-Trichlorobenzene	180	28.152	28.146	0.006	94	13906	0.2002	0.1479	
104 Hexachlorobutadiene	225	28.360	28.355	0.005	96	17873	0.2002	0.2006	
105 Naphthalene	128	28.778	28.777	0.001	99	23788	0.2002	0.1330	
106 1,2,3-Trichlorobenzene	180	29.366	29.371	-0.005	95	13877	0.2002	0.1628	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00192	Amount Added:	80.00	Units: mL	
ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

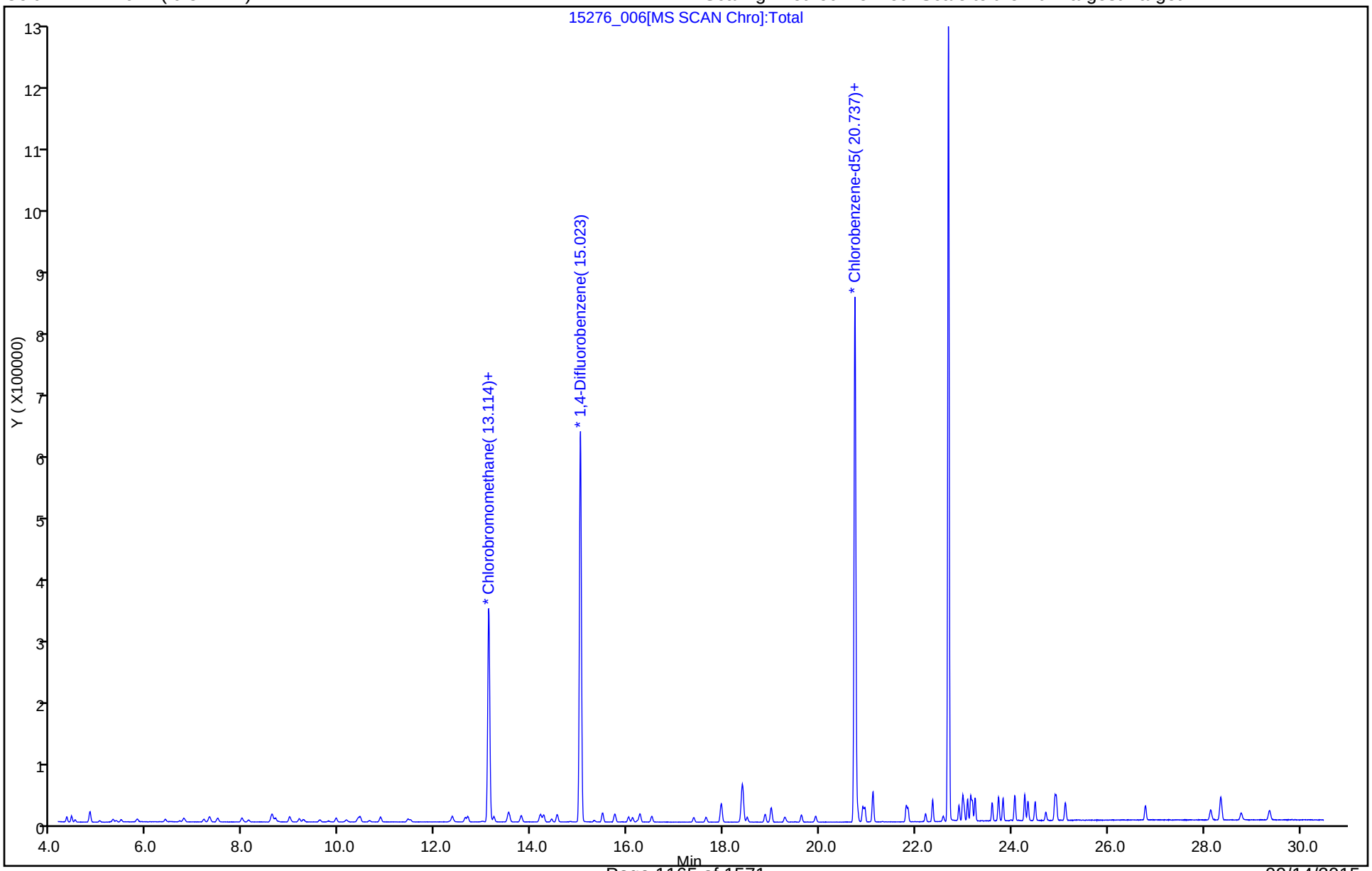
Report Date: 19-Aug-2015 10:29:32 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d

Injection Date:	13-Aug-2015 18:52:30	Instrument ID:	CHW.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_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

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



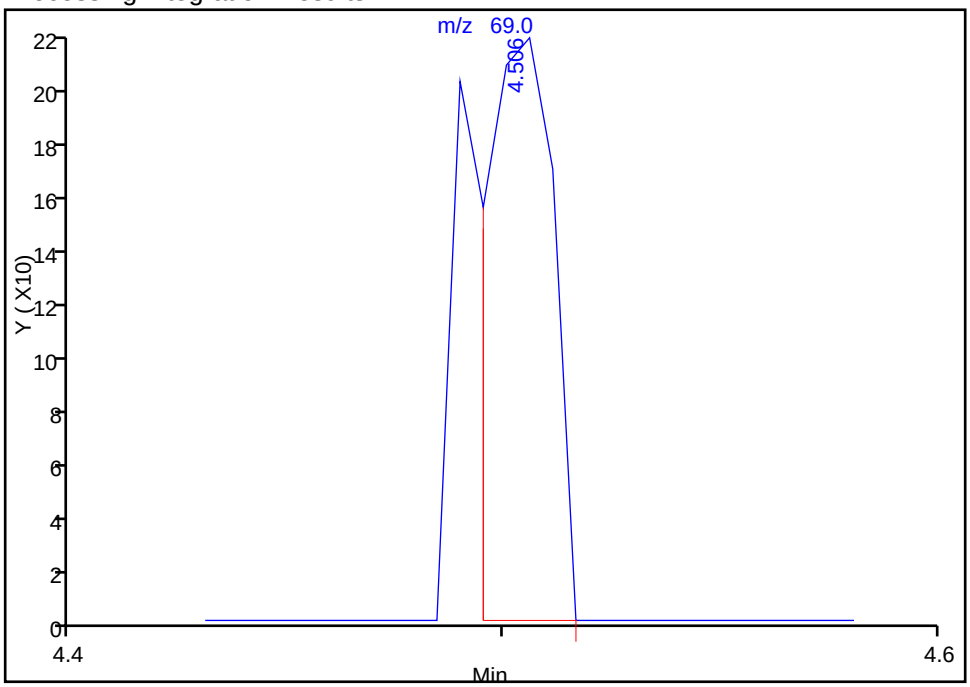
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

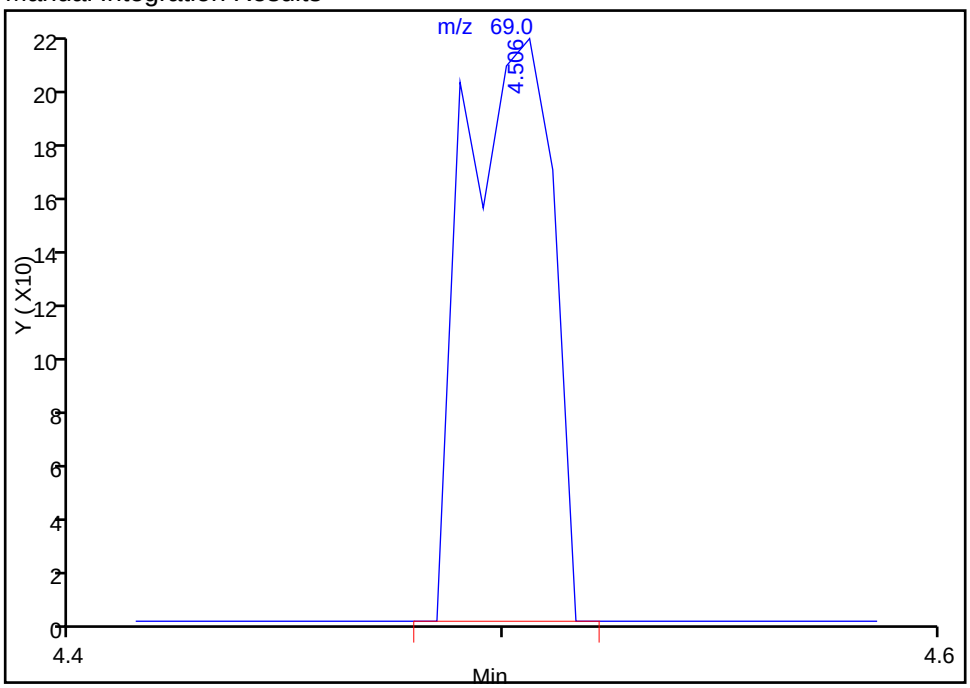
Processing Integration Results

RT: 4.51
Area: 235
Amount: 0.237884
Amount Units: ppb v/v



Manual Integration Results

RT: 4.51
Area: 298
Amount: 0.237884
Amount Units: ppb v/v



Reviewer: daiglep, 19-Aug-2015 10:09:21
Audit Action: Manually Integrated
Audit Reason: Baseline

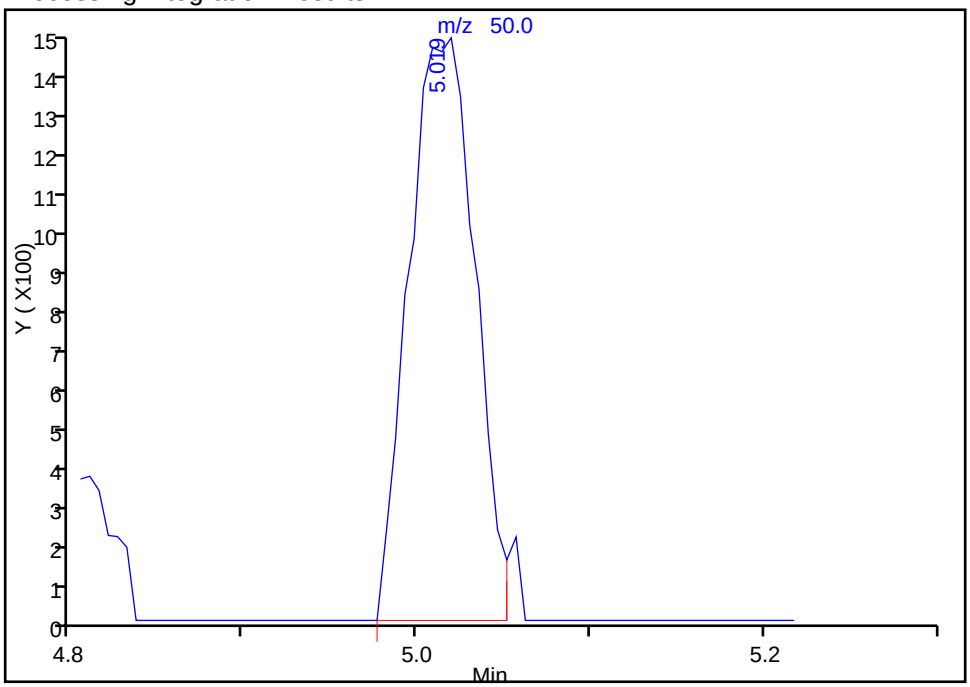
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d				
Injection Date:	13-Aug-2015 18:52:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

5 Chloromethane, CAS: 74-87-3

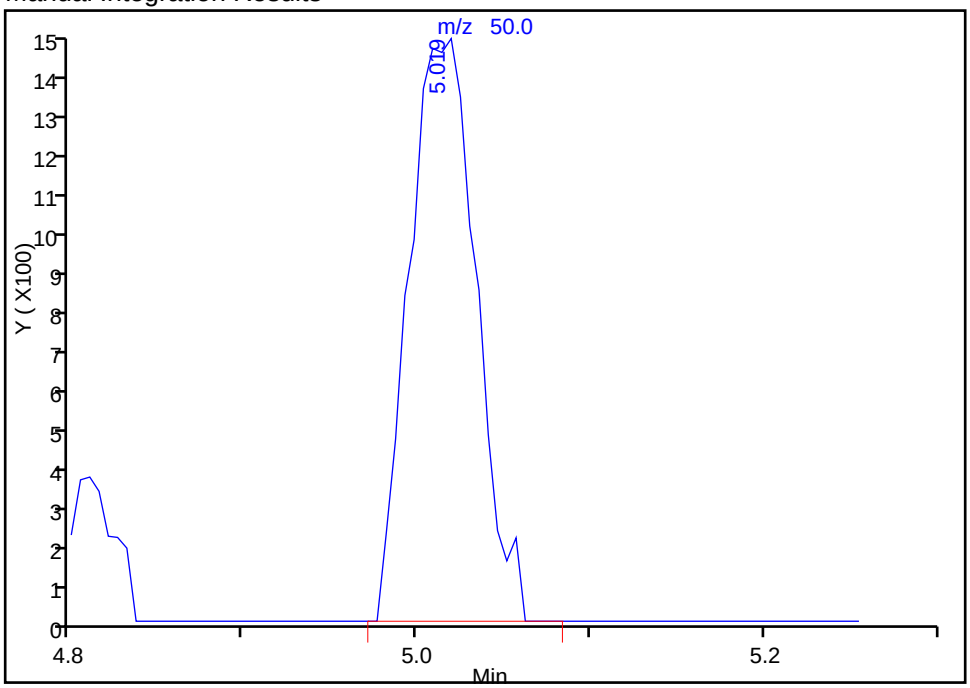
Processing Integration Results

RT: 5.02
Area: 3898
Amount: 0.244854
Amount Units: ppb v/v



Manual Integration Results

RT: 5.02
Area: 3966
Amount: 0.249125
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

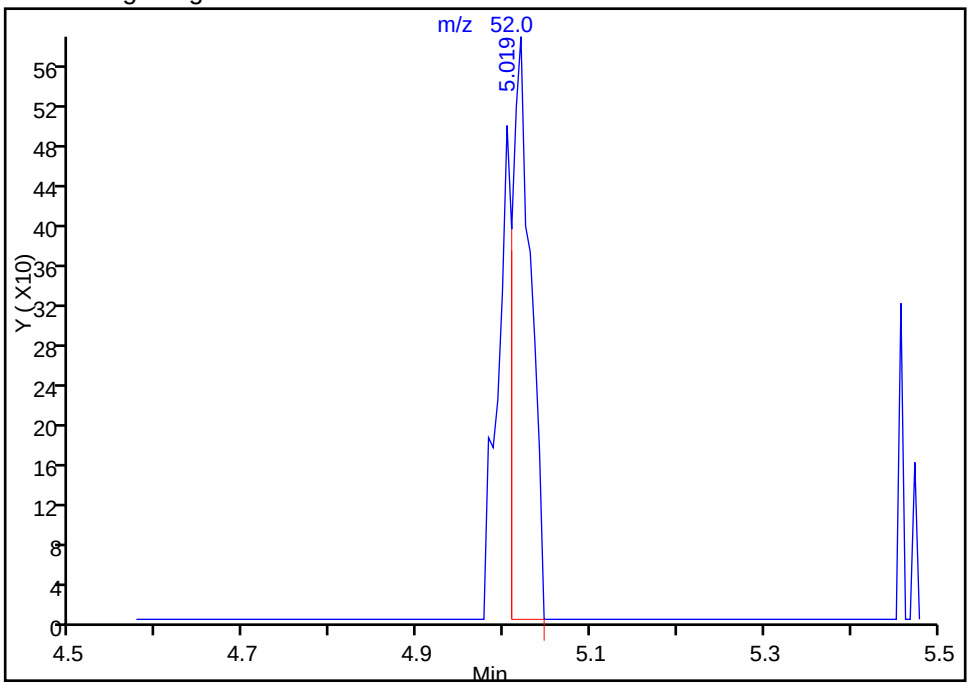
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

5 Chloromethane, CAS: 74-87-3

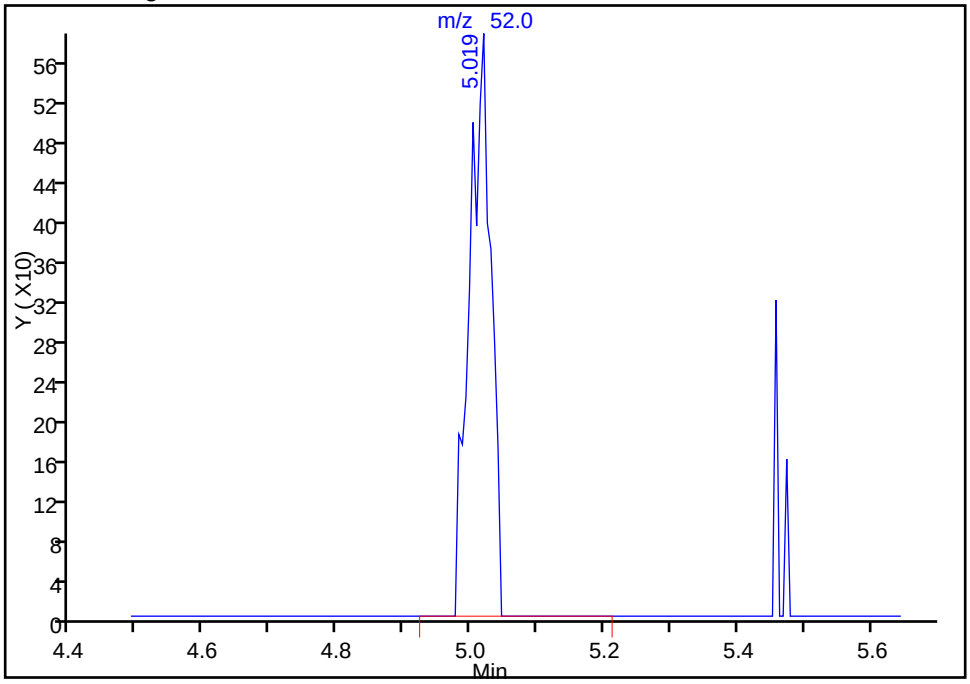
Processing Integration Results

RT: 5.02
Area: 875
Amount: 0.244854
Amount Units: ppb v/v



Manual Integration Results

RT: 5.02
Area: 1328
Amount: 0.249125
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

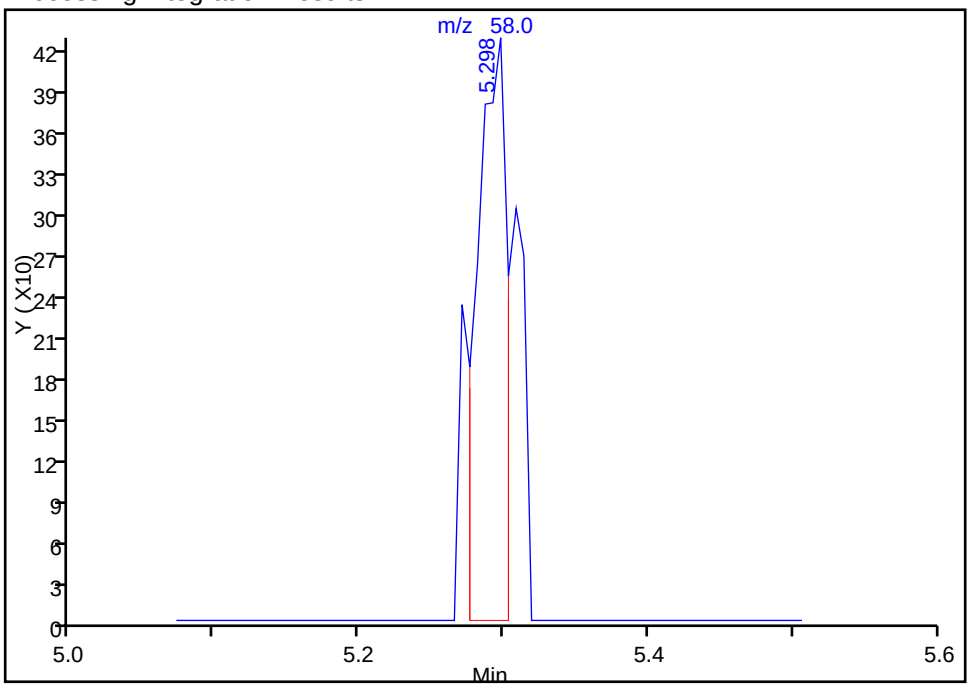
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

6 Butane, CAS: 106-97-8

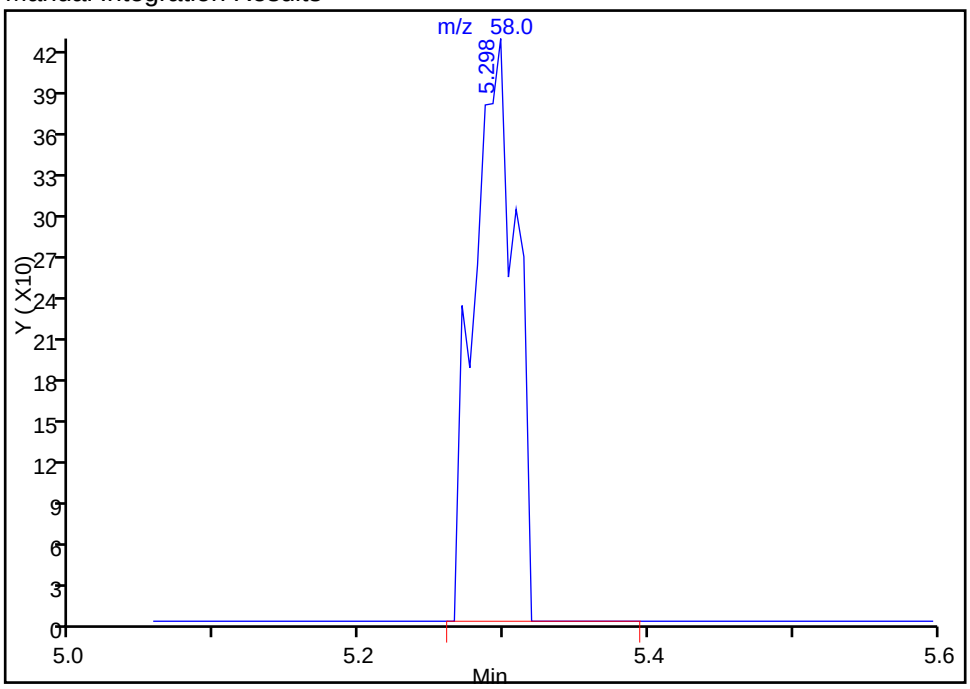
Processing Integration Results

RT: 5.30
Area: 609
Amount: 0.275854
Amount Units: ppb v/v



Manual Integration Results

RT: 5.30
Area: 868
Amount: 0.275854
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

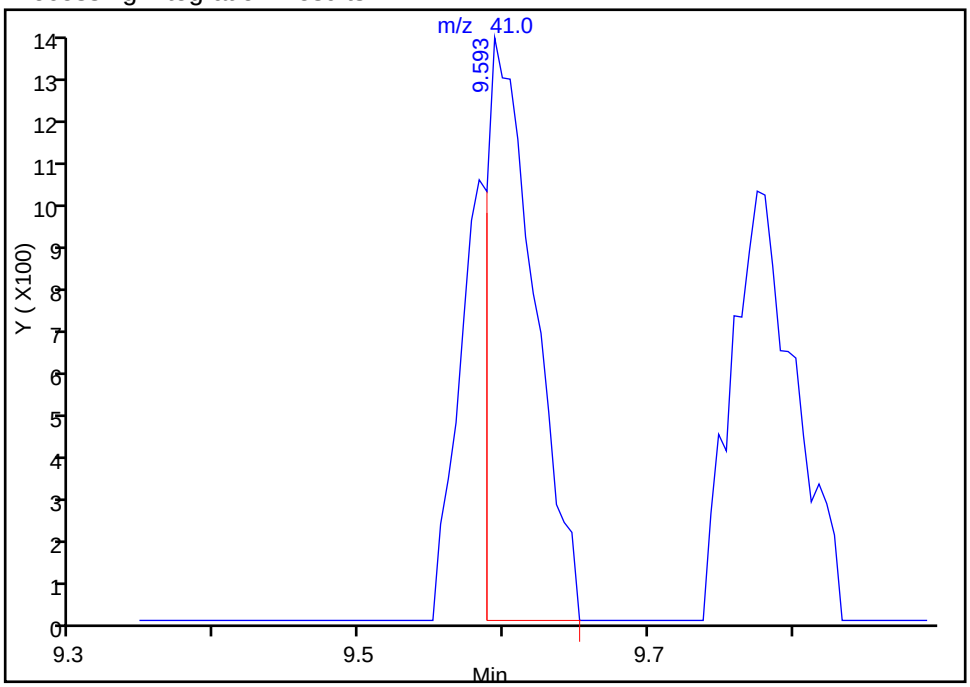
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

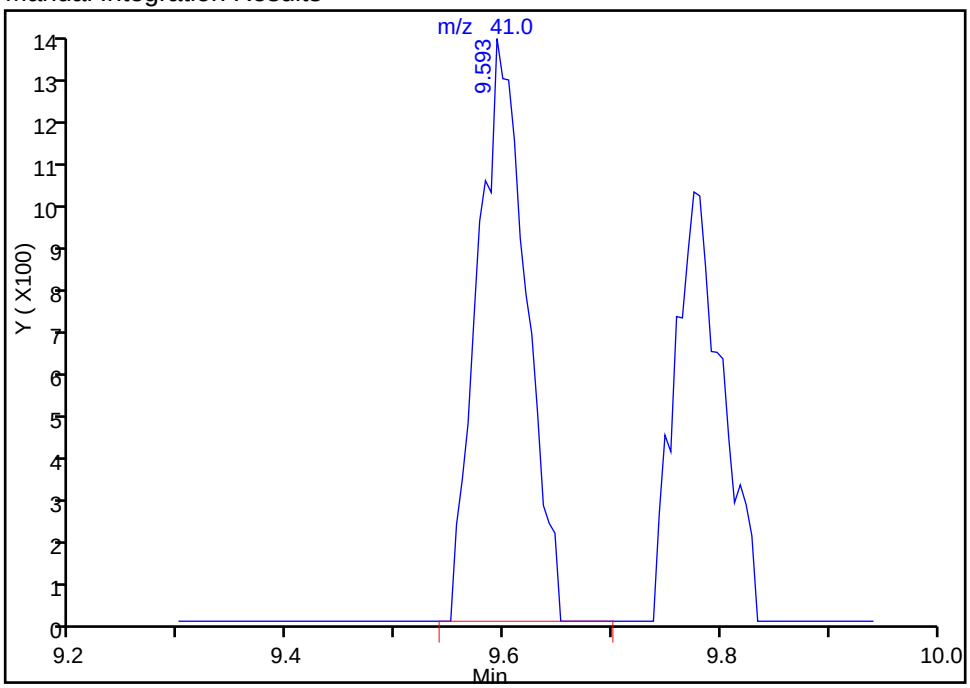
Processing Integration Results

RT: 9.59
Area: 3008
Amount: 0.172200
Amount Units: ppb v/v



Manual Integration Results

RT: 9.59
Area: 4170
Amount: 0.227903
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

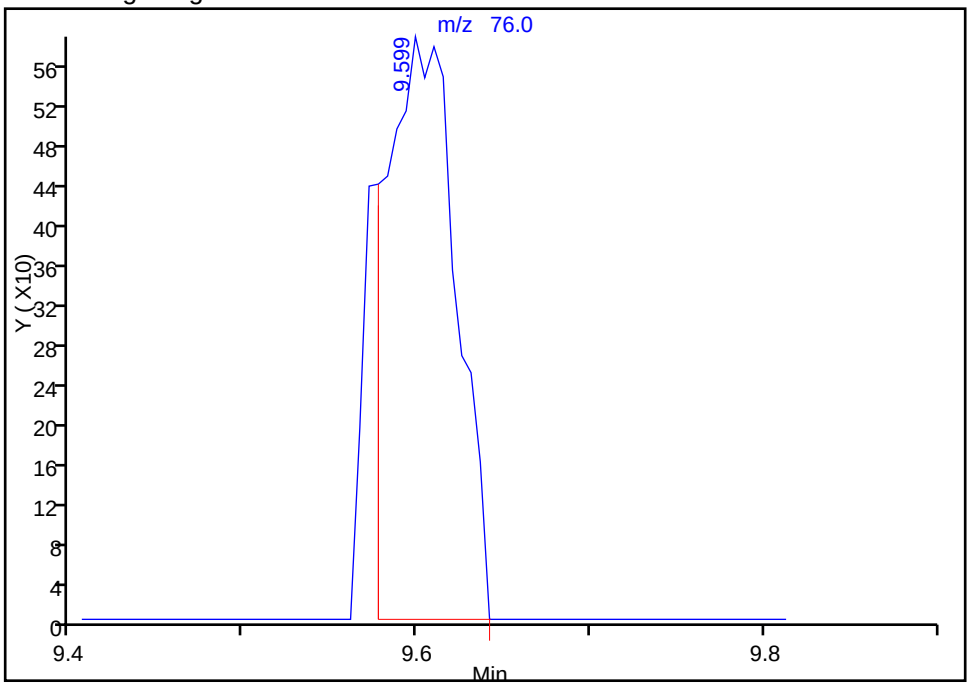
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

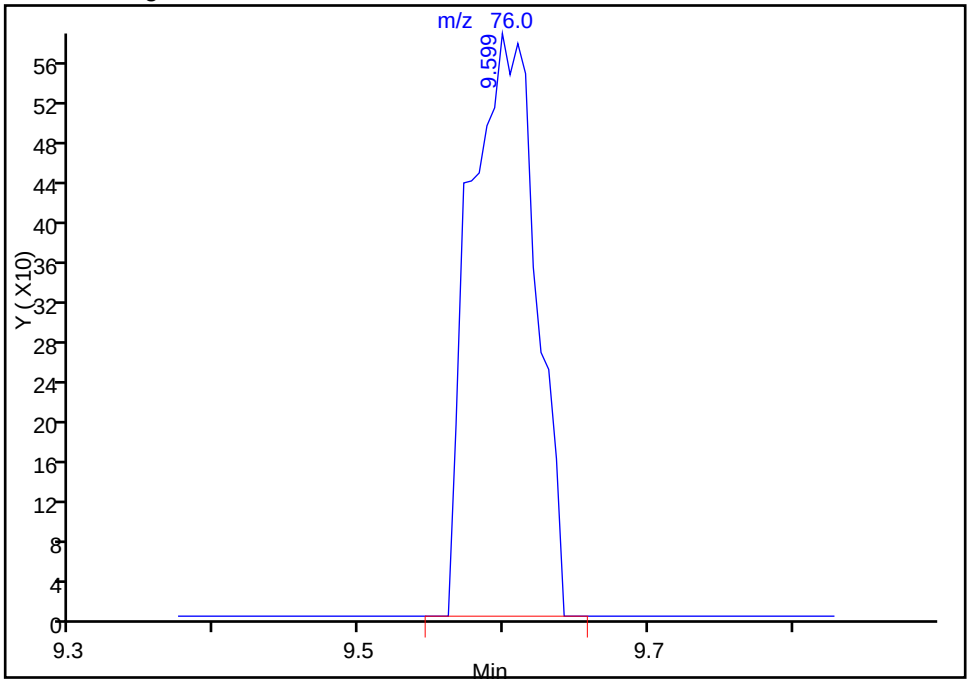
Processing Integration Results

RT: 9.60
Area: 1643
Amount: 0.172200
Amount Units: ppb v/v



Manual Integration Results

RT: 9.60
Area: 1843
Amount: 0.227903
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

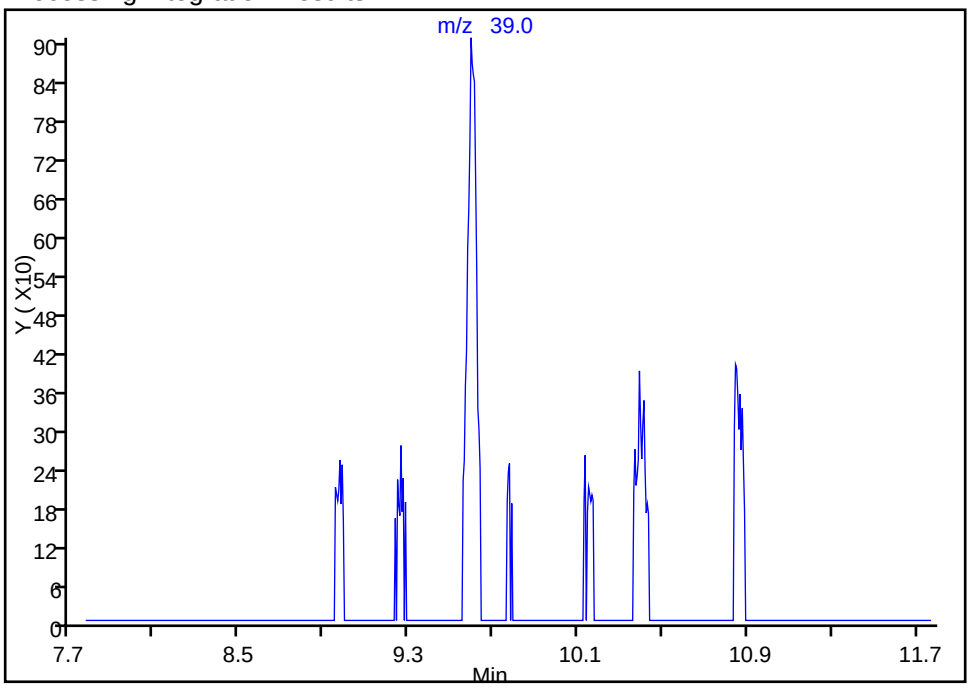
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

26 Acetonitrile, CAS: 75-05-8

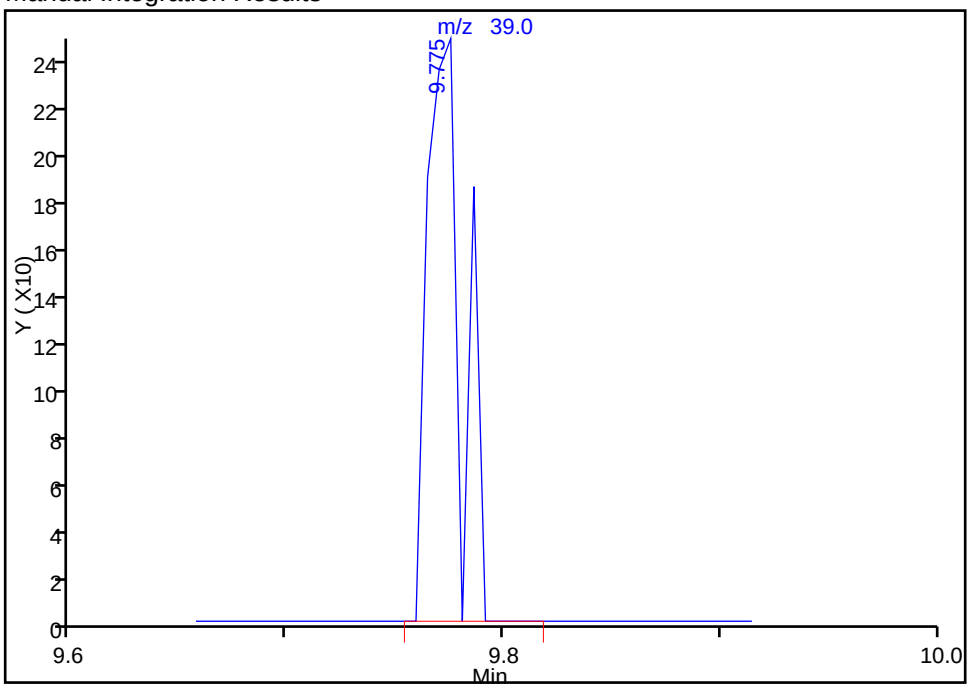
Processing Integration Results

RT: 9.77
Area: 0
Amount: 0.270447
Amount Units: ppb v/v



Manual Integration Results

RT: 9.78
Area: 271
Amount: 0.270447
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

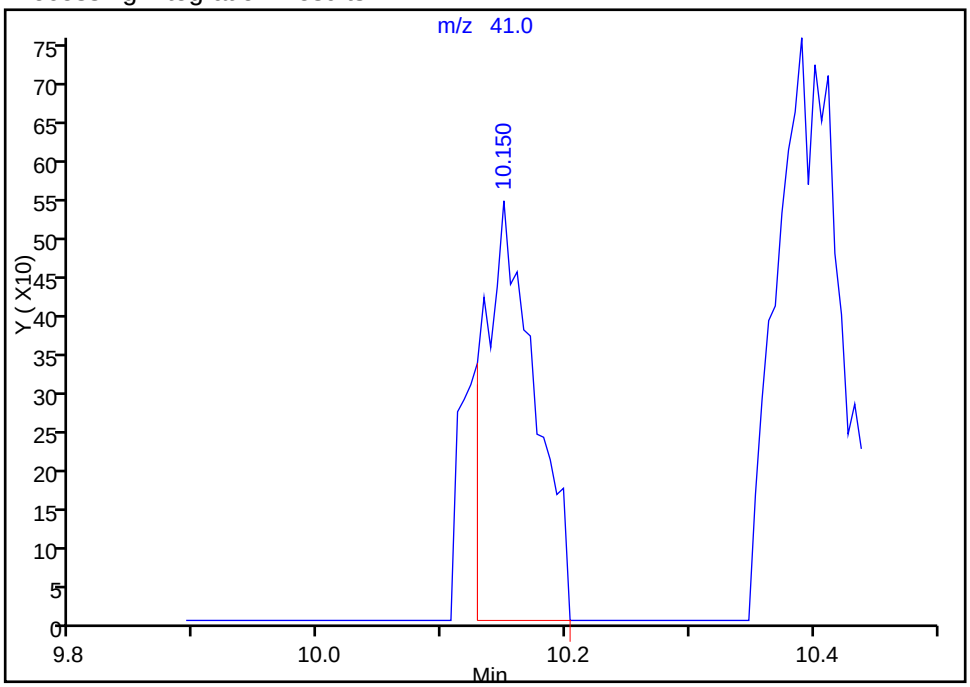
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

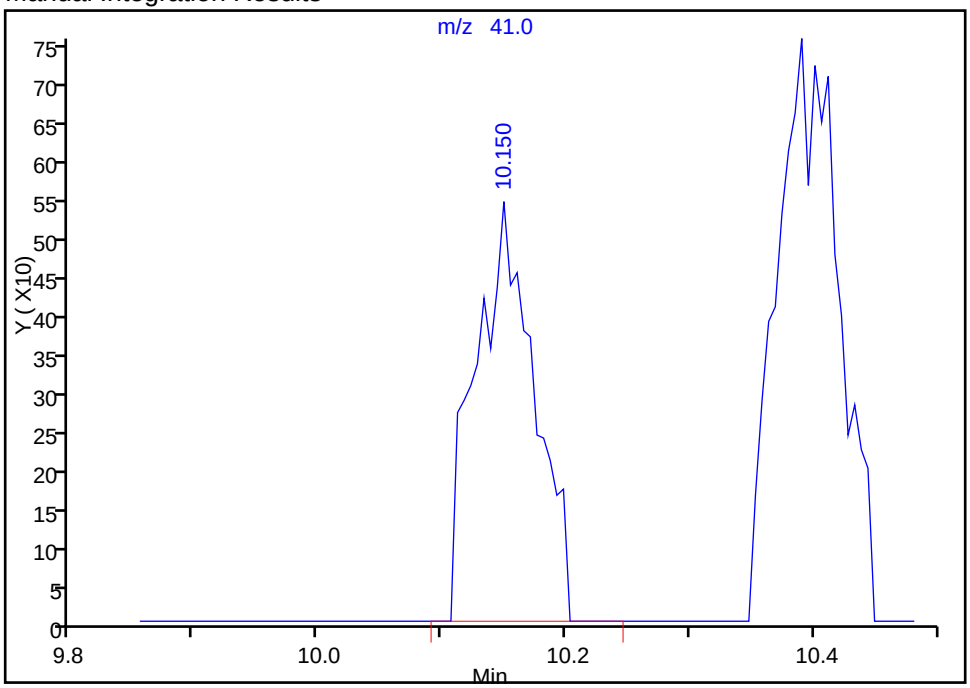
Processing Integration Results

RT: 10.15
Area: 1518
Amount: 0.211446
Amount Units: ppb v/v



Manual Integration Results

RT: 10.15
Area: 1794
Amount: 0.211446
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

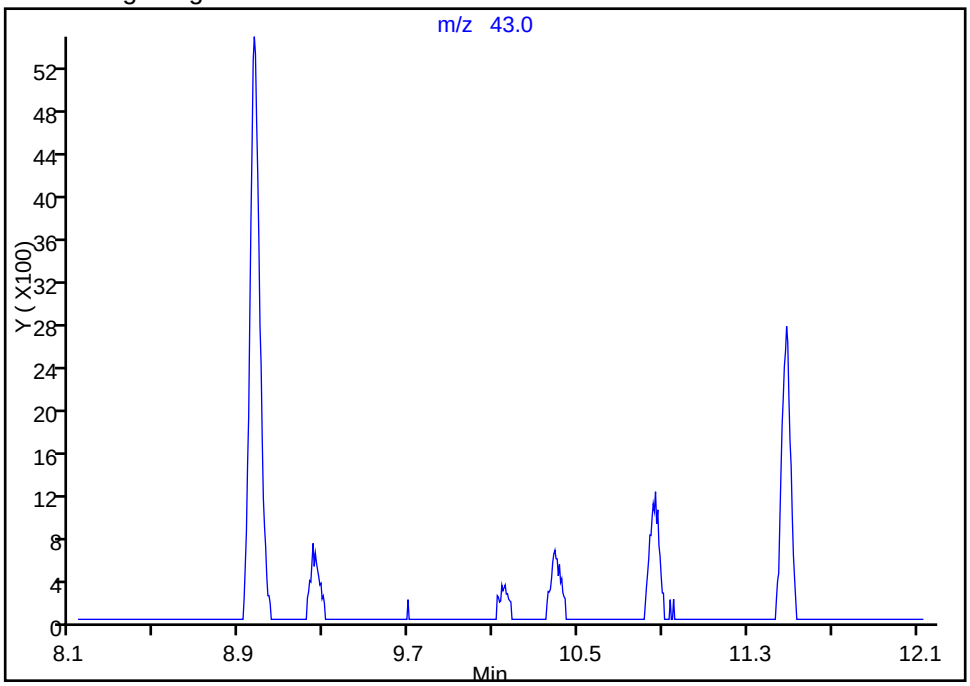
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d				
Injection Date:	13-Aug-2015 18:52:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

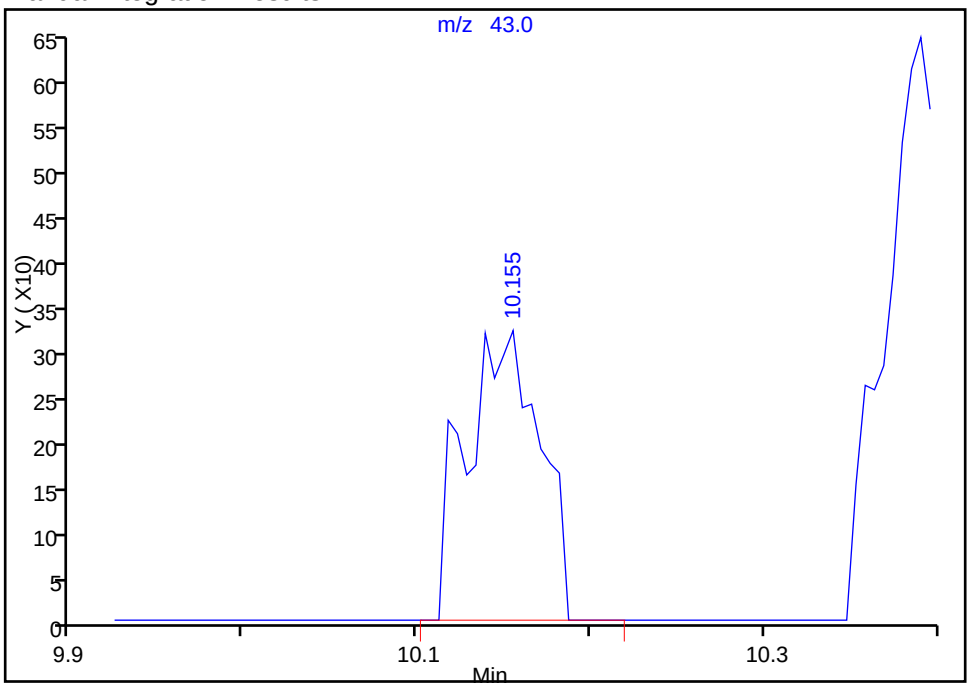
Processing Integration Results

RT: 10.13
Area: 0
Amount: 0.211446
Amount Units: ppb v/v



Manual Integration Results

RT: 10.16
Area: 958
Amount: 0.211446
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

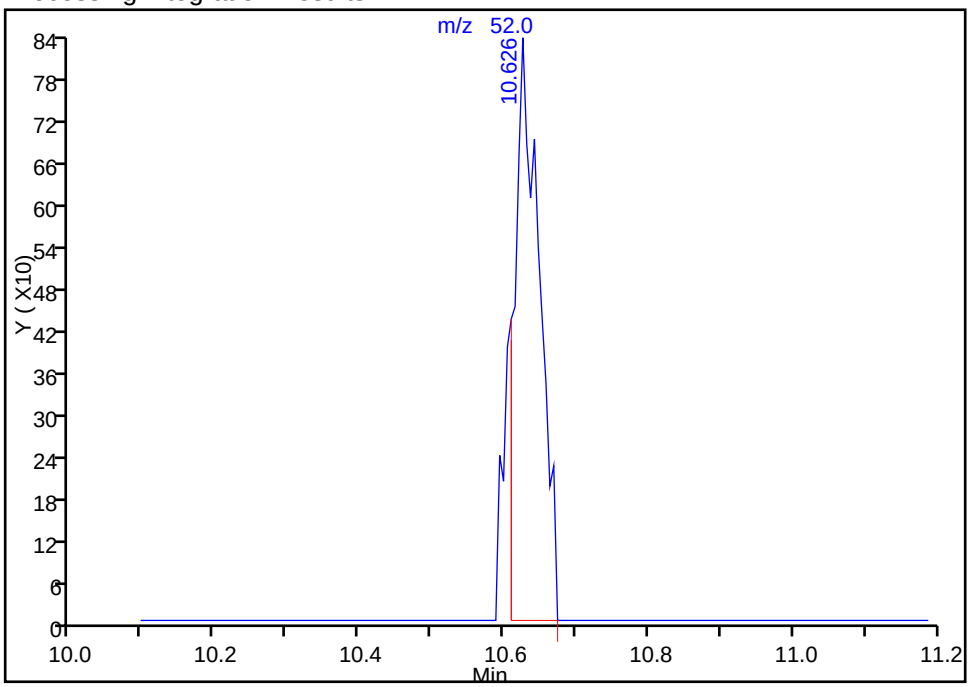
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

32 Acrylonitrile, CAS: 107-13-1

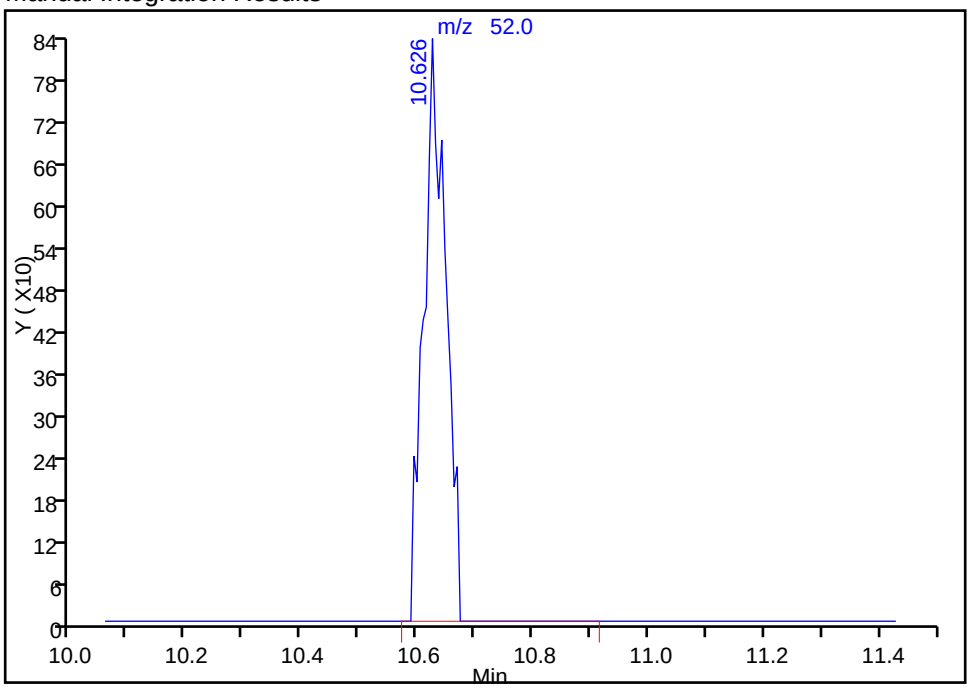
Processing Integration Results

RT: 10.63
Area: 1948
Amount: 0.198367
Amount Units: ppb v/v



Manual Integration Results

RT: 10.63
Area: 2213
Amount: 0.198367
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

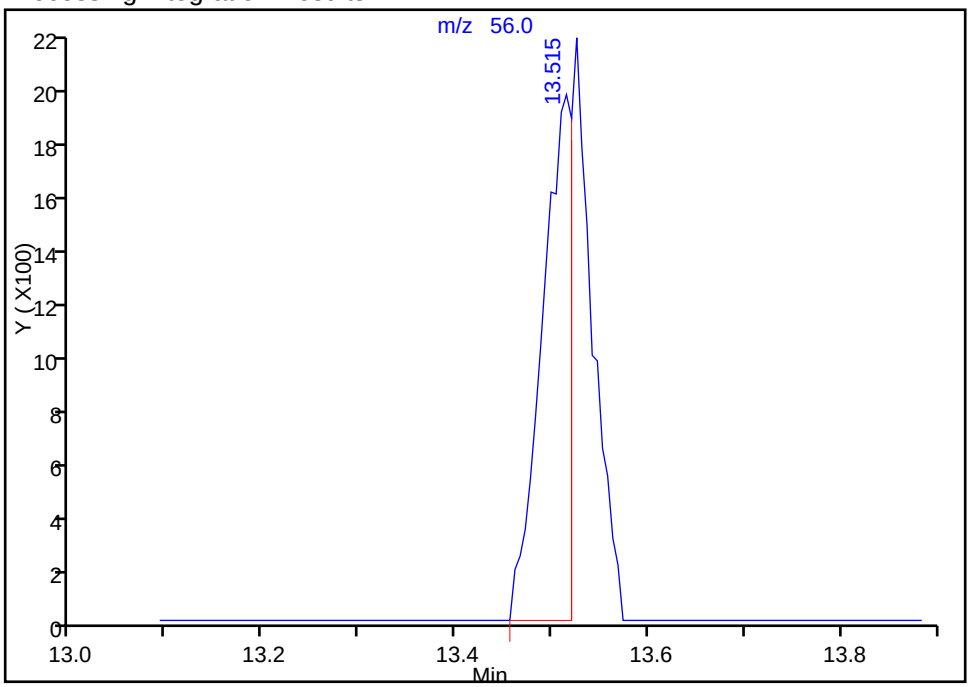
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d				
Injection Date:	13-Aug-2015 18:52:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	6	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

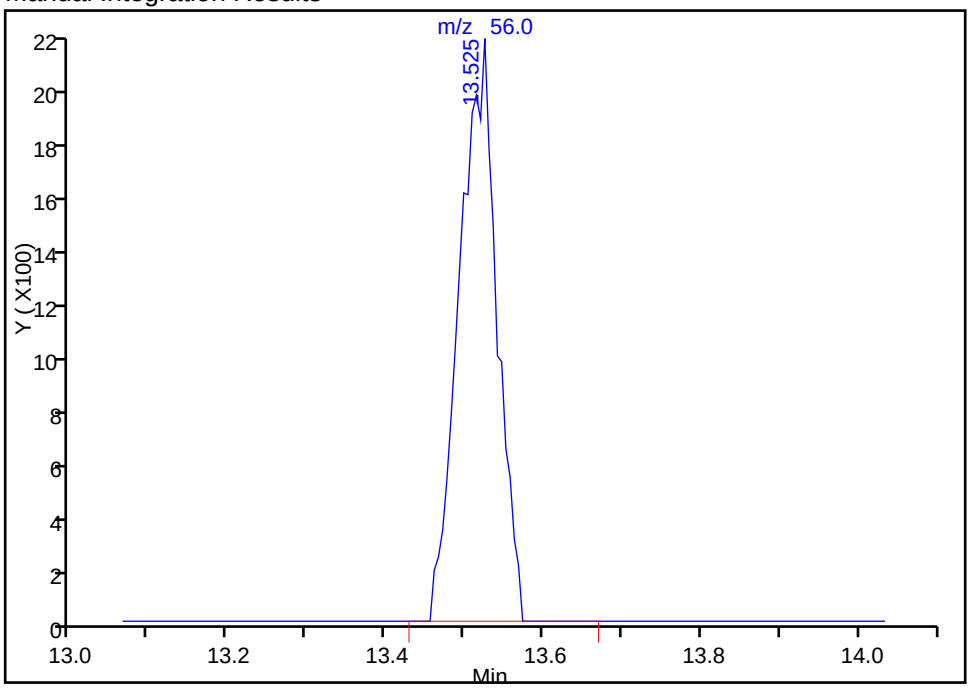
Processing Integration Results

RT: 13.51
Area: 4270
Amount: 0.217517
Amount Units: ppb v/v



Manual Integration Results

RT: 13.53
Area: 7176
Amount: 0.205299
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

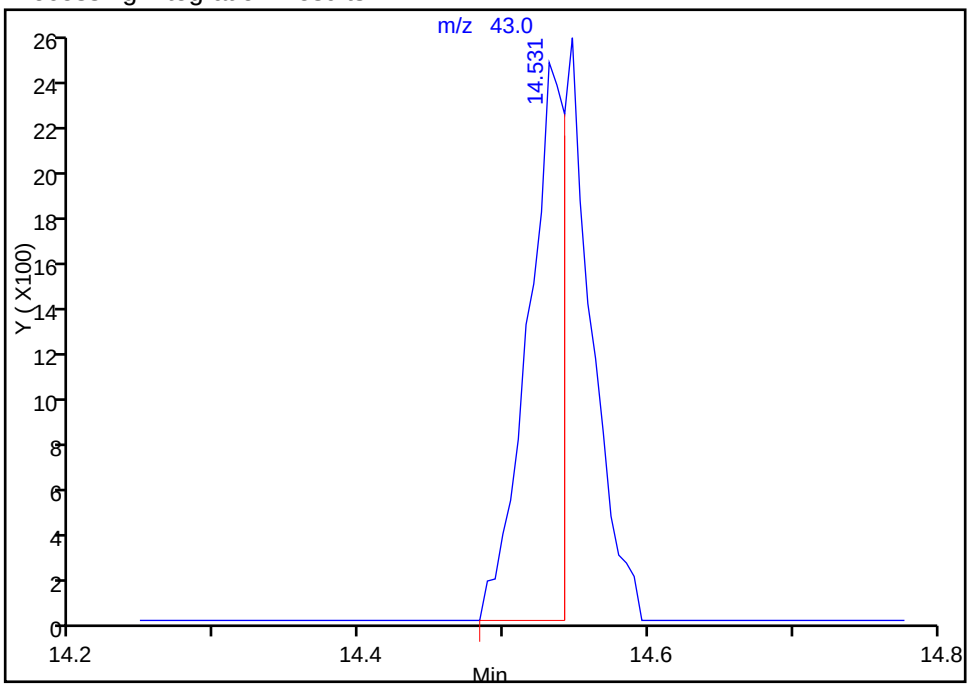
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

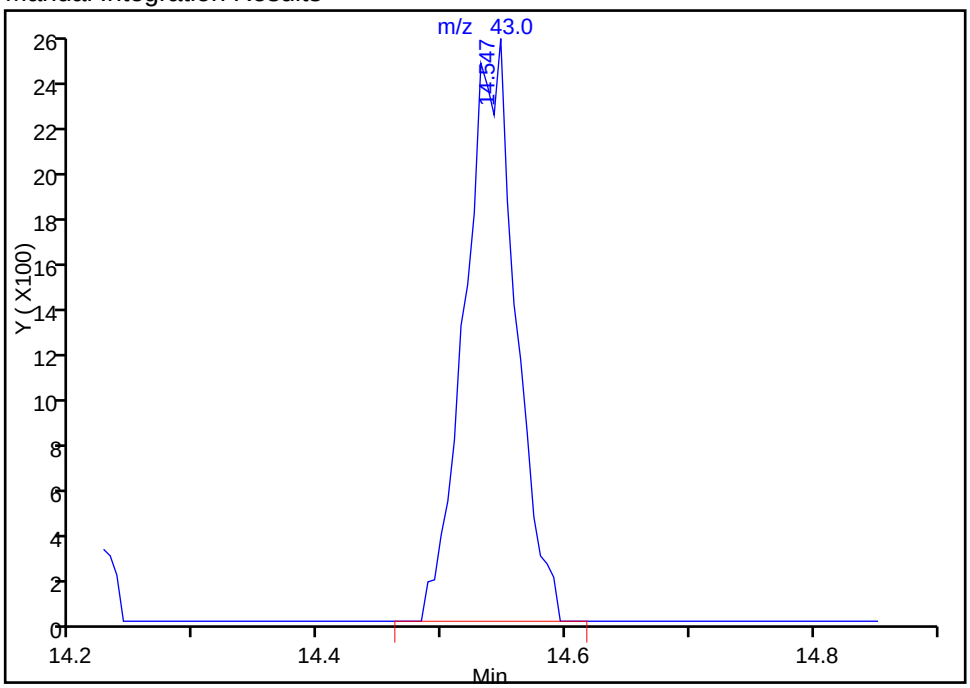
Processing Integration Results

RT: 14.53
Area: 4382
Amount: 0.141070
Amount Units: ppb v/v



Manual Integration Results

RT: 14.55
Area: 7259
Amount: 0.219201
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

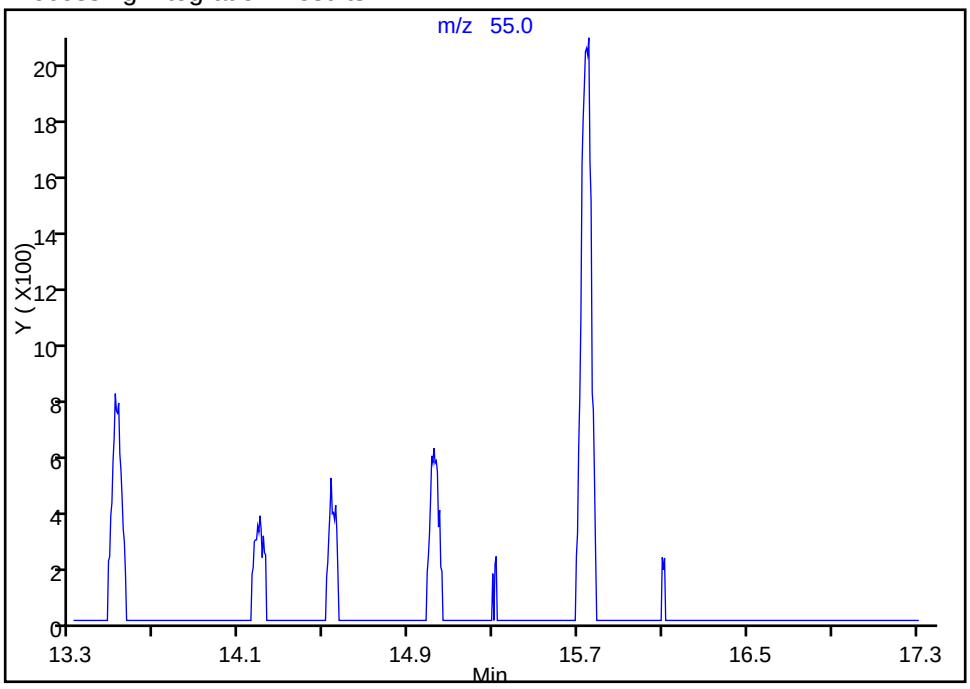
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_006.d
Injection Date: 13-Aug-2015 18:52:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

52 n-Butanol, CAS: 71-36-3

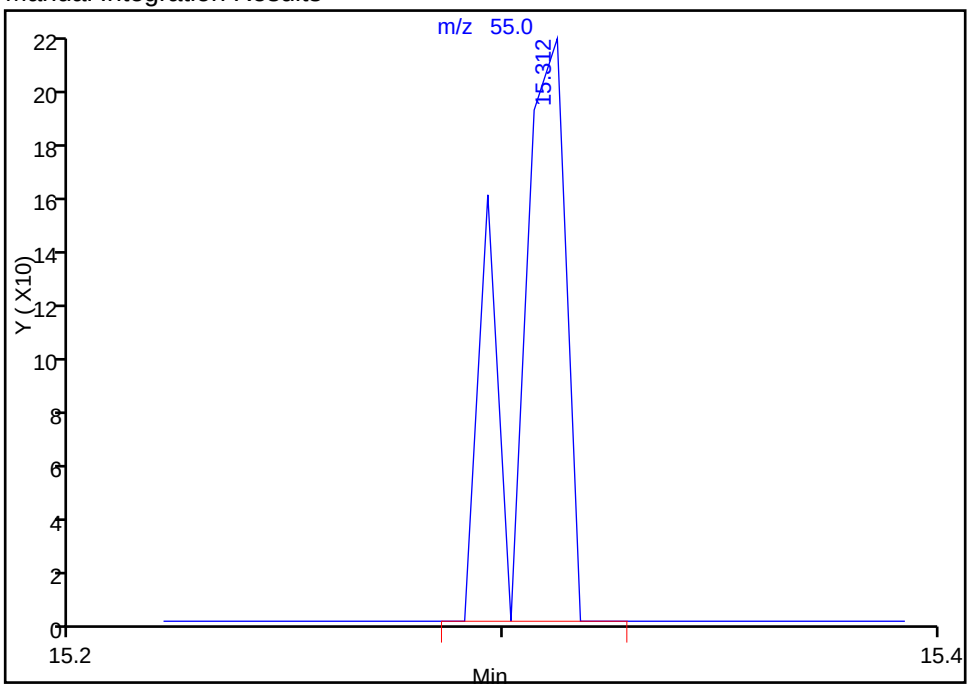
Processing Integration Results

RT: 15.31
Area: 0
Amount: 0.224505
Amount Units: ppb v/v



Manual Integration Results

RT: 15.31
Area: 184
Amount: 0.224505
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:20:05
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_007.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-Aug-2015 19:42:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-007
Misc. Info.: ic-03
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:33 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 14-Aug-2015 09:22:46

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	4.335	4.324	0.011	96	9943	0.5005	0.8188	
2 Dichlorodifluoromethane	85	4.436	4.426	0.010	99	35374	0.5005	0.5672	
3 Chlorodifluoromethane	51	4.511	4.495	0.016	96	16754	0.5005	0.5966	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.816	4.805	0.011	85	35132	0.5005	0.5665	
5 Chloromethane	50	5.025	5.009	0.016	98	9716	0.5005	0.6003	
6 Butane	43	5.298	5.292	0.006	97	15599	0.5005	0.6611	
7 Vinyl chloride	62	5.362	5.351	0.011	97	10630	0.5005	0.5675	
8 Butadiene	54	5.464	5.458	0.006	91	7451	0.5005	0.5745	
9 BFB									
10 Bromomethane	94	6.389	6.373	0.016	98	11456	0.5005	0.5807	
11 Chloroethane	64	6.689	6.683	0.006	97	6773	0.5005	0.5681	
12 2-Methylbutane	43	6.774	6.763	0.011	89	11341	0.5005	0.5686	
13 Vinyl bromide	106	7.186	7.181	0.005	98	14670	0.5005	0.5296	
14 Trichlorofluoromethane	101	7.304	7.298	0.006	98	37564	0.5005	0.5468	
16 Pentane	43	7.475	7.470	0.005	98	18122	0.5005	0.6181	
17 Ethanol	45	7.967	7.962	0.005	99	29171	5.01	5.15	
18 Ethyl ether	59	8.117	8.095	0.022	91	7750	0.5005	0.5436	
19 Acrolein	56	8.599	8.588	0.011	35	3055	0.5005	0.6838	M
20 1,1,2-Trichloro-1,2,2-trif	101	8.609	8.604	0.005	93	28273	0.5005	0.5467	
21 1,1-Dichloroethene	96	8.689	8.679	0.010	93	13689	0.5005	0.5371	
22 Acetone	43	8.968	8.957	0.011	95	36768	0.5005	1.46	
23 Carbon disulfide	76	9.171	9.171	0.000	98	33576	0.5005	0.5579	
24 Isopropyl alcohol	45	9.246	9.230	0.016	99	17178	0.5005	0.7914	
25 3-Chloro-1-propene	41	9.610	9.599	0.011	94	10465	0.5005	0.5625	M
26 Acetonitrile	41	9.775	9.770	0.005	98	8132	0.5005	0.7179	
27 Methylene Chloride	49	9.941	9.936	0.005	81	12364	0.5005	0.6327	
28 2-Methyl-2-propanol	59	10.139	10.128	0.011	94	17943	0.5005	0.5215	
S 30 1,2-Dichloroethene, Total	61				0		1.00	1.09	
29 Methyl tert-butyl ether	73	10.396	10.385	0.011	97	34623	0.5005	0.5237	
31 trans-1,2-Dichloroethene	61	10.439	10.444	-0.005	91	16124	0.5005	0.5491	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Acrylonitrile	53	10.631	10.626	0.005	93	7008	0.5005	0.5233	
33 Hexane	57	10.861	10.861	0.000	88	17864	0.5005	0.5653	
34 1,1-Dichloroethane	63	11.439	11.434	0.005	99	21123	0.5005	0.5512	
35 Vinyl acetate	43	11.487	11.487	0.000	98	21088	0.5005	0.5551	
37 cis-1,2-Dichloroethene	96	12.627	12.627	0.000	80	15938	0.5005	0.5450	
38 2-Butanone (MEK)	72	12.675	12.664	0.011	98	8452	0.5005	0.6662	
39 Ethyl acetate	88	12.680	12.675	0.005	94	891	0.5005	0.3976	
41 Tetrahydrofuran	42	13.135	13.119	0.016	88	10861	0.5005	0.5768	
* 40 Chlorobromomethane	128	13.119	13.119	0.000	76	193569	10.0	10.0	
42 Chloroform	83	13.221	13.226	-0.005	95	27728	0.5005	0.5433	
43 Cyclohexane	84	13.520	13.520	0.000	86	19802	0.5005	0.5396	M
44 1,1,1-Trichloroethane	97	13.536	13.541	-0.005	94	30189	0.5005	0.5293	
45 Carbon tetrachloride	117	13.793	13.793	0.000	97	30279	0.5005	0.5248	
46 Isooctane	57	14.189	14.194	-0.005	99	57392	0.5005	0.5431	
47 Benzene	78	14.259	14.258	0.001	93	45295	0.5005	0.5587	
48 1,2-Dichloroethane	62	14.424	14.424	0.000	97	16167	0.5005	0.5486	
49 n-Heptane	43	14.537	14.537	0.001	83	19024	0.5005	0.5736	
A 51 GRO	1	14.922	(6.753-23.090)		0	8740419	0.5005	0	
* 50 1,4-Difluorobenzene	114	15.024	15.023	0.001	92	942370	10.0	10.0	
52 n-Butanol	56	15.312	15.302	0.010	84	5908	0.5005	0.5276	
53 Trichloroethene	95	15.484	15.489	-0.005	94	20921	0.5005	0.5494	
54 1,2-Dichloropropane	63	16.024	16.024	0.000	95	14134	0.5005	0.5393	
55 Methyl methacrylate	69	16.110	16.109	0.001	93	13722	0.5005	0.5054	
56 1,4-Dioxane	88	16.211	16.200	0.011	87	8238	0.5005	0.6031	
57 Dibromomethane	174	16.259	16.264	-0.005	89	26785	0.5005	0.5485	
58 Dichlorobromomethane	83	16.511	16.511	0.000	98	28934	0.5005	0.5134	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	12991176	0.5005	191.2	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	88	21182	0.5005	0.5015	M
61 4-Methyl-2-pentanone (MIBK	43	17.640	17.634	0.006	92	22283	0.5005	0.5324	
64 n-Octane	43	17.944	17.944	0.000	84	26367	0.5005	0.5959	
A 62 C8 Range	1	17.944	(17.894-17.994)		0	247229	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	247229	0.5005	3.95	
65 Toluene	92	17.966	17.966	0.000	94	36219	0.5005	0.5785	
66 trans-1,3-Dichloropropene	75	18.496	18.495	0.001	93	20994	0.5005	0.4950	
67 1,1,2-Trichloroethane	83	18.870	18.870	0.000	93	15707	0.5005	0.5408	
68 Tetrachloroethene	166	18.993	18.998	-0.005	95	36937	0.5005	0.5442	
69 2-Hexanone	43	19.271	19.271	0.000	98	21625	0.5005	0.5392	
71 Chlorodibromomethane	129	19.624	19.629	-0.005	98	31834	0.5005	0.4856	
72 Ethylene Dibromide	107	19.919	19.924	-0.005	98	31610	0.5005	0.5342	
S 73 Xylenes, Total	106				0		1.50	1.70	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	868247	10.0	10.0	
75 Chlorobenzene	112	20.796	20.796	0.000	97	51435	0.5005	0.5538	M
76 Ethylbenzene	91	20.903	20.903	0.000	96	75631	0.5005	0.5557	
77 n-Nonane	57	20.946	20.945	0.001	81	29630	0.5005	0.5948	
78 m-Xylene & p-Xylene	106	21.117	21.117	0.000	0	65037	1.00	1.15	
79 o-Xylene	106	21.807	21.807	0.000	98	32008	0.5005	0.5505	
80 Styrene	104	21.839	21.844	-0.005	95	48295	0.5005	0.5427	
81 Bromoform	173	22.208	22.208	0.000	99	24675	0.5005	0.4001	
$ 83 4-Bromofluorobenzene	95		22.208				ND	ND	
82 Isopropylbenzene	105	22.353	22.358	-0.005	94	92123	0.5005	0.5562	
84 1,1,2,2-Tetrachloroethane	83	22.904	22.903	0.001	99	43052	0.5005	0.5586	
85 N-Propylbenzene	91	22.979	22.978	0.001	100	107799	0.5005	0.5649	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.011	23.010	0.001	94	32908	0.5005	0.5795	
87 n-Decane	57	23.086	23.080	0.006	92	40484	0.5005	0.5989	
88 4-Ethyltoluene	105	23.150	23.150	0.000	97	94444	0.5005	0.5559	
89 2-Chlorotoluene	91	23.182	23.182	0.000	94	76229	0.5005	0.5584	
90 1,3,5-Trimethylbenzene	105	23.241	23.240	0.001	94	78947	0.5005	0.5454	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	92	39094	0.5005	0.5101	
92 tert-Butylbenzene	119	23.728	23.727	0.001	96	79963	0.5005	0.5489	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	80004	0.5005	0.5476	
94 sec-Butylbenzene	105	24.065	24.064	0.001	99	118013	0.5005	0.5637	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	97	100846	0.5005	0.5464	
96 1,3-Dichlorobenzene	146	24.337	24.343	-0.005	95	60273	0.5005	0.5333	
97 1,4-Dichlorobenzene	146	24.493	24.492	0.001	97	59187	0.5005	0.5250	
98 Benzyl chloride	91	24.712	24.712	0.000	100	47661	0.5005	0.4416	
99 Undecane	57	24.899	24.899	0.000	92	44123	0.5005	0.6355	
100 n-Butylbenzene	91	24.931	24.931	0.000	98	87802	0.5005	0.5791	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	99	58570	0.5005	0.5338	
102 Dodecane	57	26.788	26.787	0.001	96	37254	0.5005	0.5353	
103 1,2,4-Trichlorobenzene	180	28.146	28.146	0.000	94	40886	0.5005	0.4391	
104 Hexachlorobutadiene	225	28.355	28.355	0.000	97	46557	0.5005	0.5277	
105 Naphthalene	128	28.783	28.777	0.006	99	70912	0.5005	0.4005	
106 1,2,3-Trichlorobenzene	180	29.366	29.371	-0.005	95	40371	0.5005	0.4784	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00192	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

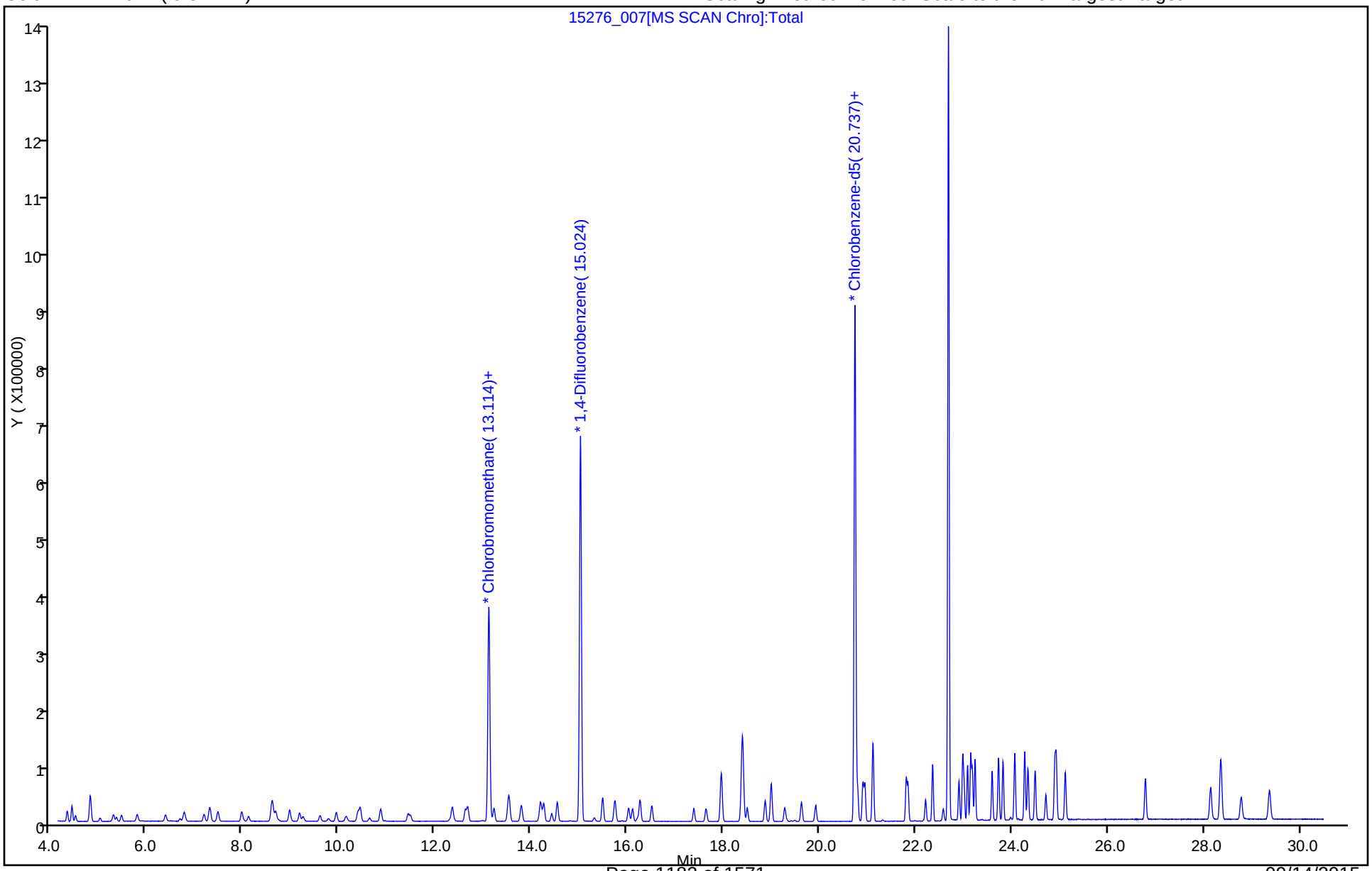
Report Date: 19-Aug-2015 10:29:33 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_007.d

Injection Date:	13-Aug-2015 19:42:30	Instrument ID:	CHW.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

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



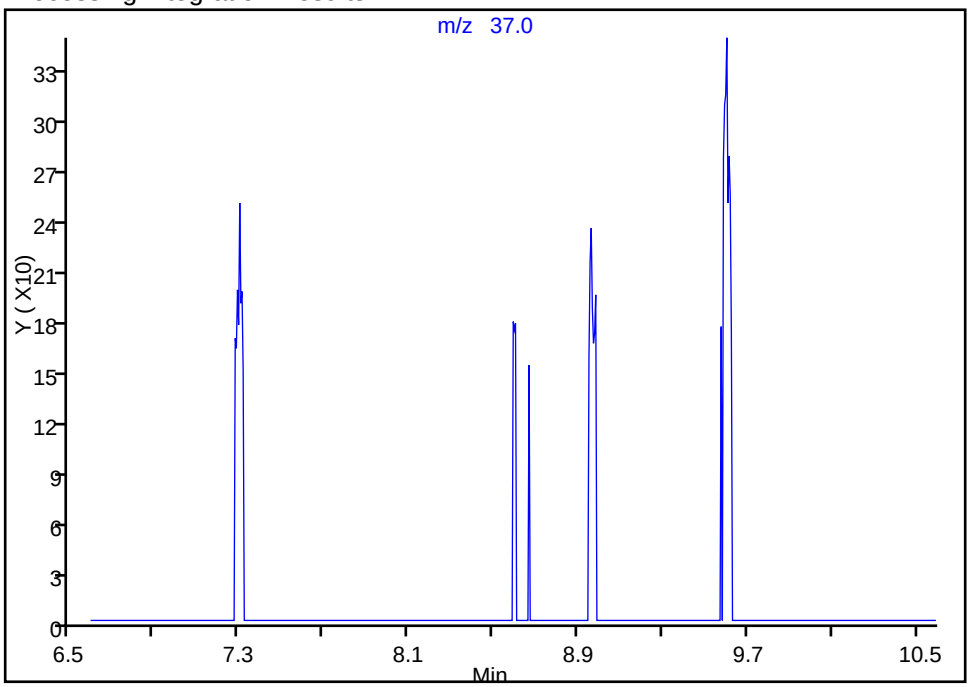
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_007.d				
Injection Date:	13-Aug-2015 19:42:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Acrolein, CAS: 107-02-8

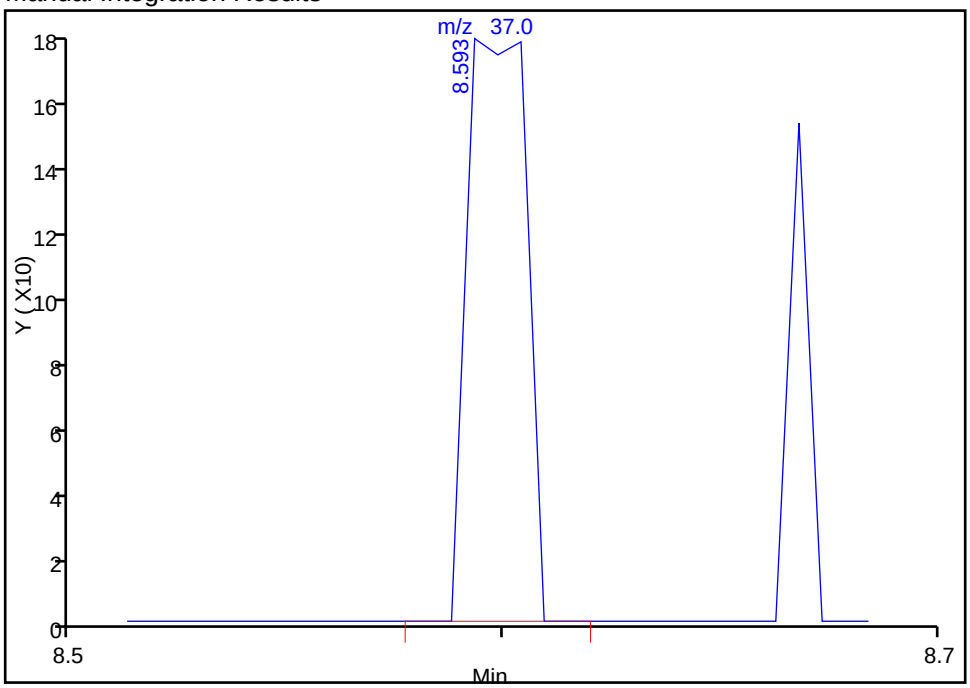
Processing Integration Results

RT: 8.59
Area: 0
Amount: 0.683834
Amount Units: ppb v/v



Manual Integration Results

RT: 8.59
Area: 170
Amount: 0.683834
Amount Units: ppb v/v



Reviewer: daiglep, 19-Aug-2015 10:12:32
Audit Action: Manually Integrated
Audit Reason: Baseline

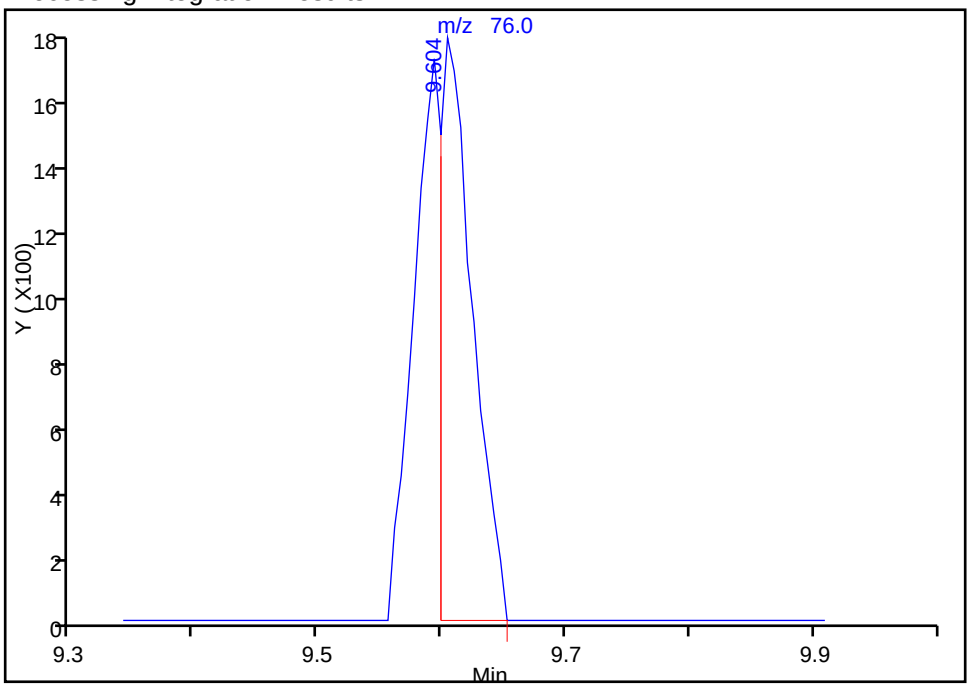
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_007.d
Injection Date: 13-Aug-2015 19:42:30 Instrument ID: CHW.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

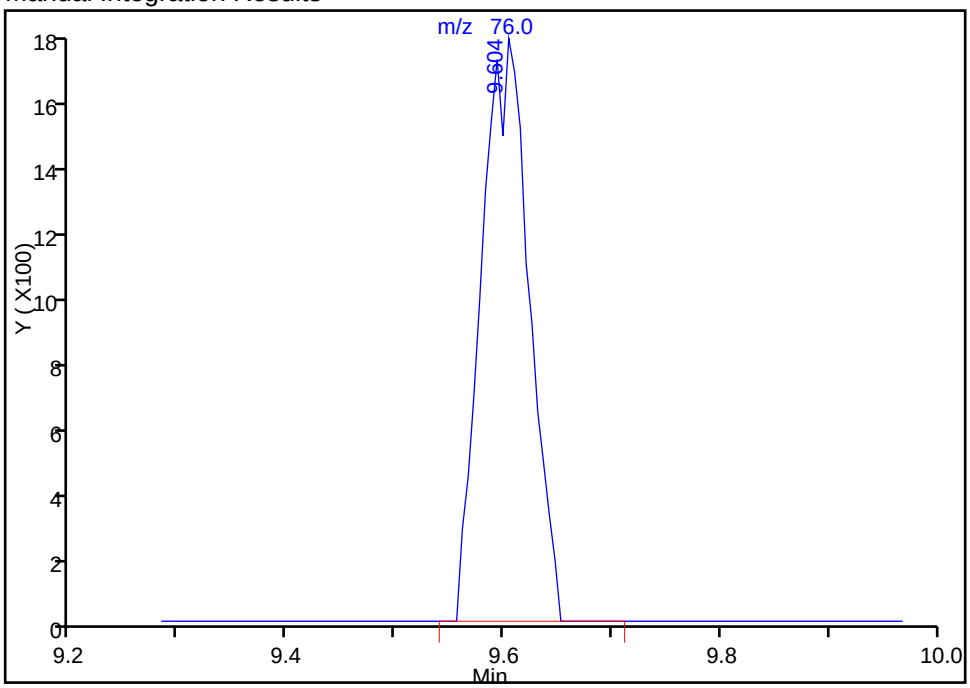
Processing Integration Results

RT: 9.60
Area: 3120
Amount: 0.562535
Amount Units: ppb v/v



Manual Integration Results

RT: 9.60
Area: 5276
Amount: 0.562535
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline

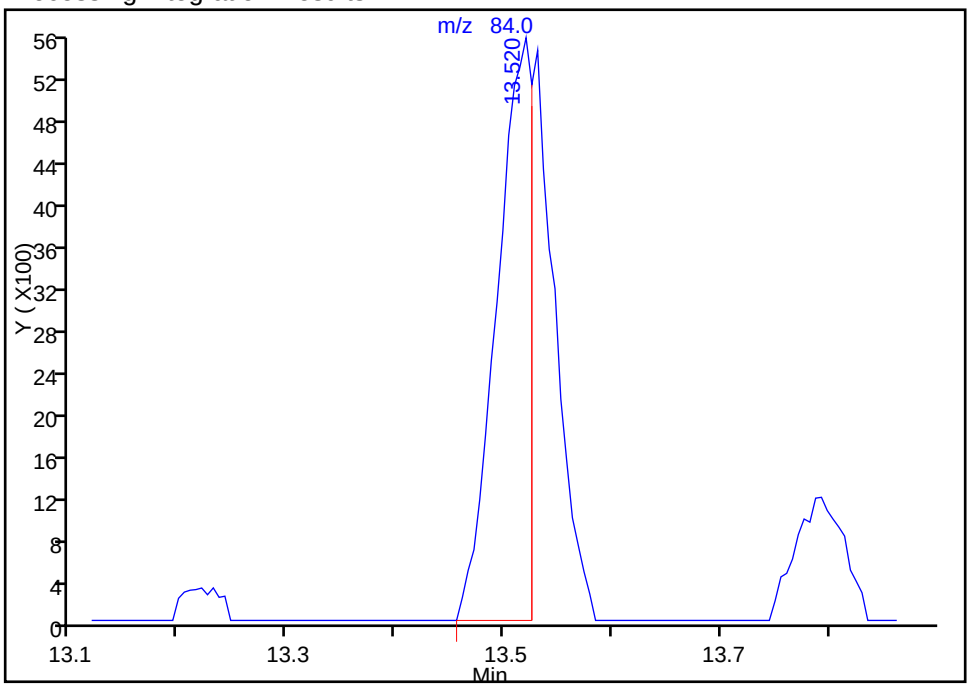
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_007.d				
Injection Date:	13-Aug-2015 19:42:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

43 Cyclohexane, CAS: 110-82-7

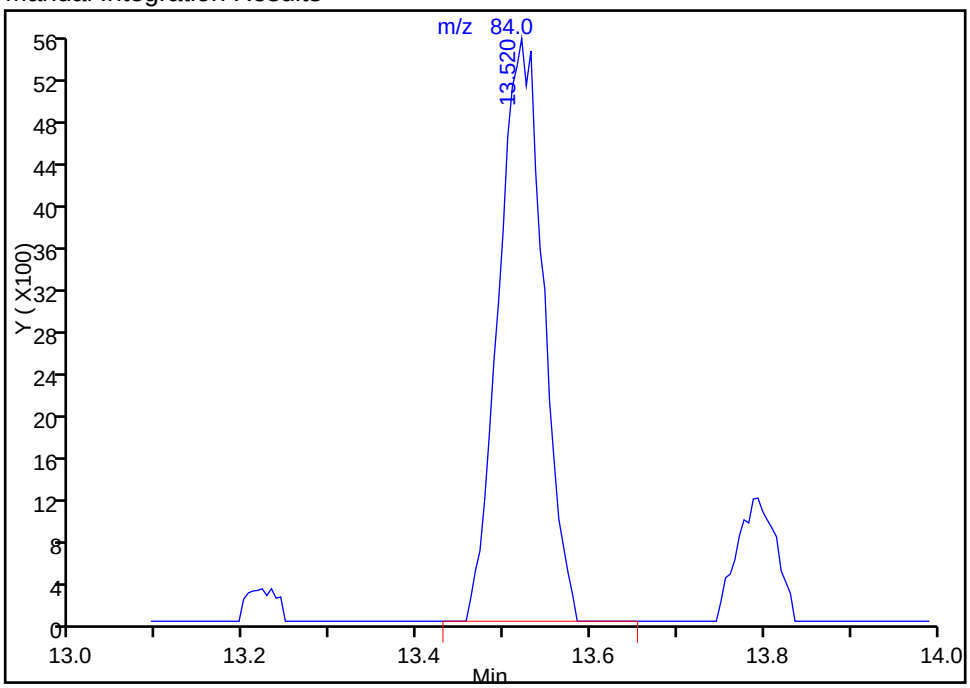
Processing Integration Results

RT: 13.52
Area: 12580
Amount: 0.363172
Amount Units: ppb v/v



Manual Integration Results

RT: 13.52
Area: 19802
Amount: 0.539552
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline

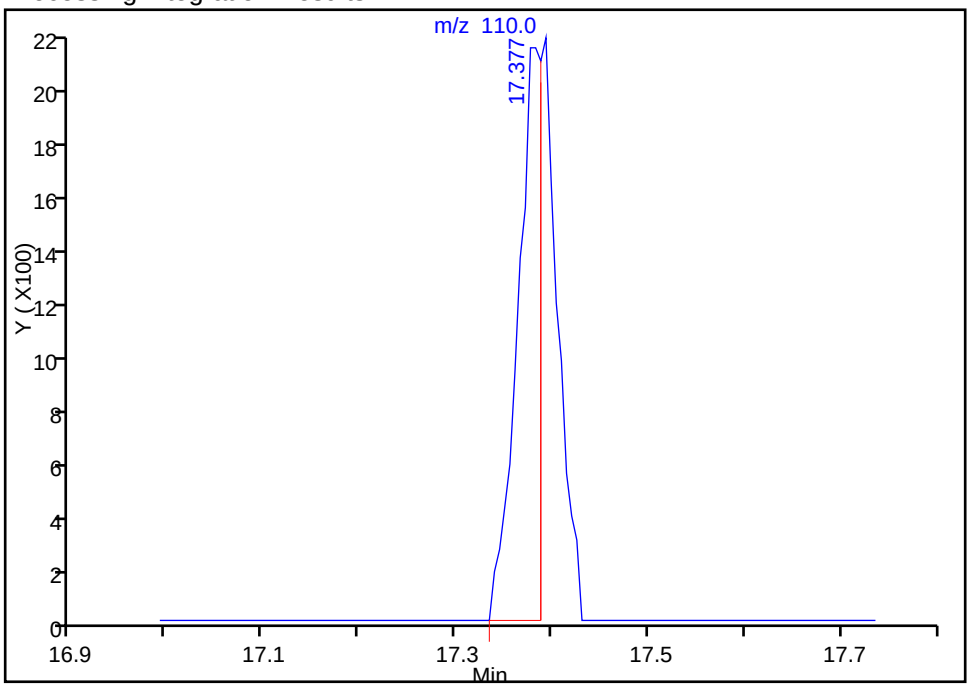
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_007.d				
Injection Date:	13-Aug-2015 19:42:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

60 cis-1,3-Dichloropropene, CAS: 10061-01-5

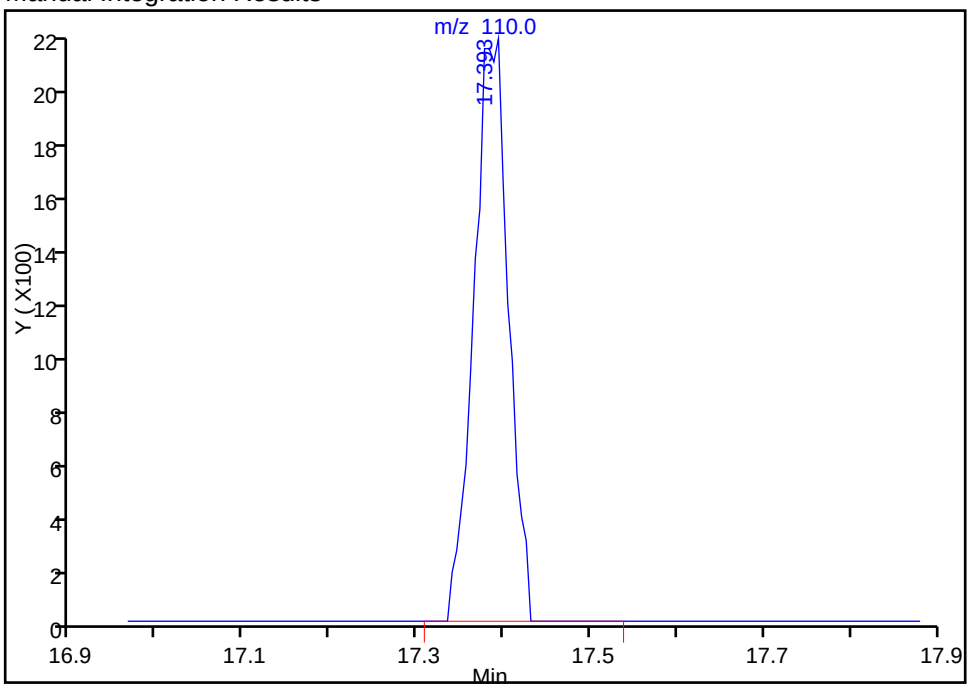
Processing Integration Results

RT: 17.38
Area: 3691
Amount: 0.501474
Amount Units: ppb v/v



Manual Integration Results

RT: 17.39
Area: 5976
Amount: 0.501474
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline

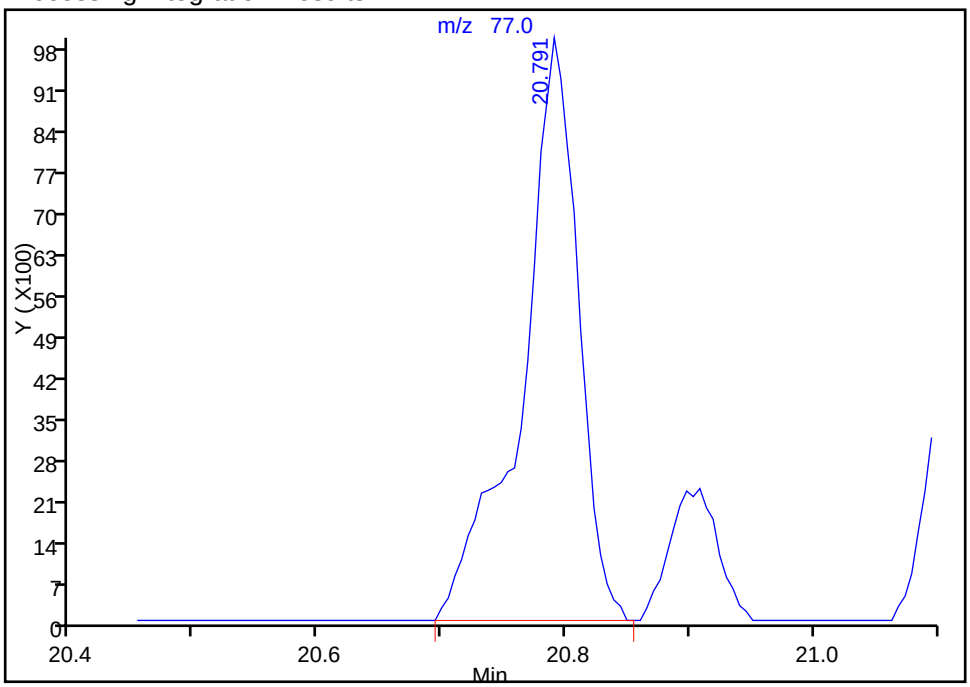
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_007.d				
Injection Date:	13-Aug-2015 19:42:30	Instrument ID:	CHW.i		
Lims ID:	ic				
Client ID:					
Operator ID:	pad	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

75 Chlorobenzene, CAS: 108-90-7

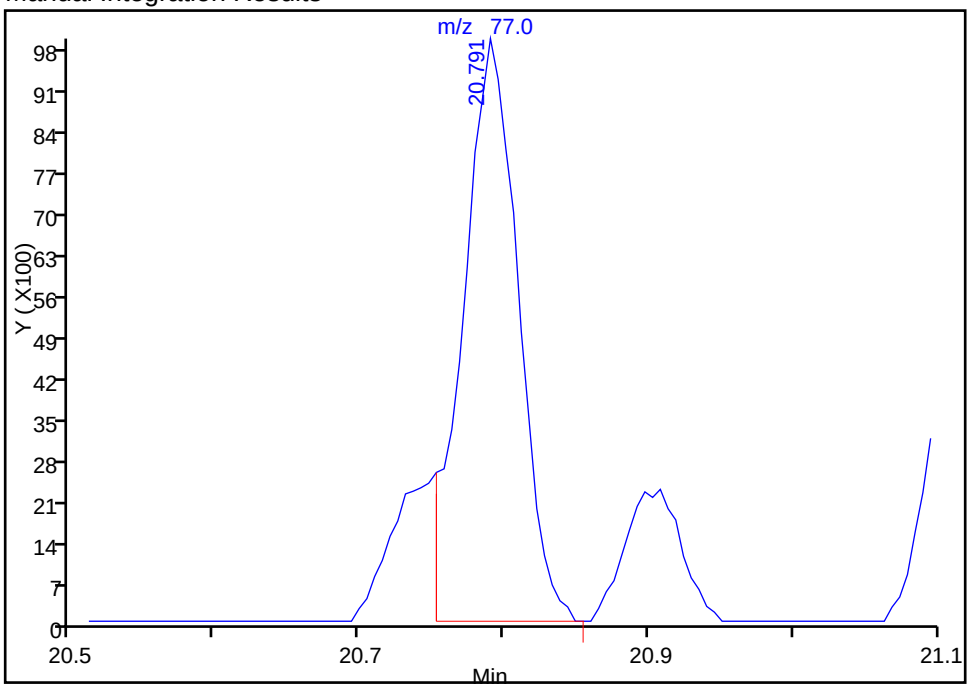
Processing Integration Results

RT: 20.79
Area: 31266
Amount: 0.553802
Amount Units: ppb v/v



Manual Integration Results

RT: 20.79
Area: 26580
Amount: 0.553802
Amount Units: ppb v/v



Reviewer: daiglep, 14-Aug-2015 09:22:46
Audit Action: Split an Integrated Peak
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_008.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 13-Aug-2015 20:32:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-008
Misc. Info.: ic-04
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:34 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 14-Aug-2015 09:23:32

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	4.324	4.324	0.000	98	69003	4.99	5.32	
2 Dichlorodifluoromethane	85	4.426	4.426	0.000	99	329986	4.99	4.95	
3 Chlorodifluoromethane	51	4.501	4.495	0.006	97	149563	4.99	4.98	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.811	4.805	0.006	98	323034	4.99	4.87	
5 Chloromethane	50	5.014	5.009	0.005	99	84362	4.99	4.88	
6 Butane	43	5.292	5.292	0.000	97	124496	4.99	4.94	
7 Vinyl chloride	62	5.357	5.351	0.006	98	100124	4.99	5.00	
8 Butadiene	54	5.464	5.458	0.006	93	68366	4.99	4.93	
9 BFB									
10 Bromomethane	94	6.378	6.373	0.005	99	102554	4.99	4.86	
11 Chloroethane	64	6.683	6.683	0.000	99	62614	4.99	4.91	
12 2-Methylbutane	43	6.774	6.763	0.011	89	103009	4.99	4.83	
13 Vinyl bromide	106	7.186	7.181	0.005	99	141010	4.99	4.76	
14 Trichlorofluoromethane	101	7.304	7.298	0.006	98	351092	4.99	4.78	
16 Pentane	43	7.470	7.470	0.000	98	155926	4.99	4.98	
17 Ethanol	45	7.967	7.962	0.005	99	67256	10.0	11.1	
18 Ethyl ether	59	8.106	8.095	0.011	92	74904	4.99	4.92	
19 Acrolein	56	8.593	8.588	0.005	94	24995	4.99	5.24	
20 1,1,2-Trichloro-1,2,2-trif	101	8.609	8.604	0.005	95	267293	4.99	4.84	
21 1,1-Dichloroethene	96	8.679	8.679	0.000	92	129899	4.99	4.77	
22 Acetone	43	8.957	8.957	0.000	95	151394	4.99	5.64	
23 Carbon disulfide	76	9.171	9.171	0.000	98	315689	4.99	4.91	
24 Isopropyl alcohol	45	9.235	9.230	0.005	100	108104	4.99	4.66	
25 3-Chloro-1-propene	41	9.599	9.599	0.000	94	93475	4.99	4.70	
26 Acetonitrile	41	9.770	9.770	0.000	100	64014	4.99	5.29	
27 Methylene Chloride	49	9.941	9.936	0.005	81	102431	4.99	4.90	
28 2-Methyl-2-propanol	59	10.129	10.128	0.001	93	163739	4.99	4.45	
S 30 1,2-Dichloroethene, Total	61				0		9.99	9.70	
29 Methyl tert-butyl ether	73	10.385	10.385	0.000	96	343015	4.99	4.85	
31 trans-1,2-Dichloroethene	61	10.439	10.444	-0.005	90	153917	4.99	4.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Acrylonitrile	53	10.626	10.626	0.000	96	71081	4.99	4.97	
33 Hexane	57	10.861	10.861	0.000	87	164669	4.99	4.88	
34 1,1-Dichloroethane	63	11.434	11.434	0.000	99	199338	4.99	4.87	
35 Vinyl acetate	43	11.482	11.487	-0.005	99	207738	4.99	5.12	
37 cis-1,2-Dichloroethene	96	12.627	12.627	0.000	83	149854	4.99	4.80	
38 2-Butanone (MEK)	72	12.664	12.664	0.000	99	64644	4.99	4.77	
39 Ethyl acetate	88	12.680	12.675	0.005	95	11836	4.99	4.94	
41 Tetrahydrofuran	42	13.124	13.119	0.005	85	100440	4.99	4.95	
* 40 Chlorobromomethane	128	13.119	13.119	0.000	75	206868	10.0	10.0	
42 Chloroform	83	13.221	13.226	-0.005	94	261604	4.99	4.80	
43 Cyclohexane	84	13.520	13.520	0.000	91	188279	4.99	4.76	
44 1,1,1-Trichloroethane	97	13.542	13.541	0.001	94	285399	4.99	4.65	
45 Carbon tetrachloride	117	13.788	13.793	-0.005	97	297759	4.99	4.79	
46 Isooctane	57	14.194	14.194	0.000	99	556689	4.99	4.89	
47 Benzene	78	14.259	14.258	0.001	93	410787	4.99	4.70	
48 1,2-Dichloroethane	62	14.424	14.424	0.000	97	147931	4.99	4.66	
49 n-Heptane	43	14.542	14.537	0.006	84	173856	4.99	4.87	
A 51 GRO	1	14.905	(6.753-23.090)		0	53259103	4.99	0	
* 50 1,4-Difluorobenzene	114	15.024	15.023	0.001	92	1014860	10.0	10.0	
52 n-Butanol	56	15.307	15.302	0.005	84	51665	4.99	4.28	
53 Trichloroethene	95	15.484	15.489	-0.005	94	191880	4.99	4.68	
54 1,2-Dichloropropane	63	16.029	16.024	0.005	93	134365	4.99	4.76	
55 Methyl methacrylate	69	16.110	16.109	0.001	92	139386	4.99	4.77	
56 1,4-Dioxane	88	16.206	16.200	0.006	86	66729	4.99	4.54	
57 Dibromomethane	174	16.270	16.264	0.006	88	231479	4.99	4.40	
58 Dichlorobromomethane	83	16.511	16.511	0.000	98	291312	4.99	4.80	
A 59 TVOC as Toluene	92	16.850	(4.314-29.381)		0	95235788	4.99	1301.5	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	88	215681	4.99	4.74	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.634	0.000	92	223586	4.99	4.96	
64 n-Octane	43	17.944	17.944	0.000	83	243561	4.99	5.11	
A 62 C8 Range	1	17.950	(17.894-17.994)		0	2308986	NC	NC	
A 63 Toluene Range	92	17.971	(17.926-18.006)		0	2308986	4.99	33.7	
65 Toluene	92	17.966	17.966	0.000	93	327992	4.99	4.79	
66 trans-1,3-Dichloropropene	75	18.496	18.495	0.001	93	217810	4.99	4.77	
67 1,1,2-Trichloroethane	83	18.870	18.870	0.000	92	150341	4.99	4.73	
68 Tetrachloroethene	166	18.993	18.998	-0.005	95	346125	4.99	4.66	
69 2-Hexanone	43	19.271	19.271	0.000	98	215475	4.99	4.91	
71 Chlorodibromomethane	129	19.624	19.629	-0.005	98	352853	4.99	4.92	
72 Ethylene Dibromide	107	19.919	19.924	-0.005	99	302232	4.99	4.67	
S 73 Xylenes, Total	106				0		15.0	14.9	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	81	949997	10.0	10.0	
75 Chlorobenzene	112	20.796	20.796	0.000	98	476470	4.99	4.69	
76 Ethylbenzene	91	20.903	20.903	0.000	96	722494	4.99	4.85	
77 n-Nonane	57	20.946	20.945	0.001	82	274889	4.99	5.04	
78 m-Xylene & p-Xylene	106	21.112	21.117	-0.005	0	617108	9.99	10.0	
79 o-Xylene	106	21.807	21.807	0.000	98	309899	4.99	4.87	
80 Styrene	104	21.844	21.844	0.000	96	486346	4.99	5.00	
81 Bromoform	173	22.208	22.208	0.000	99	358359	4.99	5.31	
$ 83 4-Bromofluorobenzene	95	22.203	22.208	-0.005	28	452	NC	NC	
82 Isopropylbenzene	105	22.358	22.358	0.000	94	886634	4.99	4.89	
84 1,1,2,2-Tetrachloroethane	83	22.904	22.903	0.001	99	410301	4.99	4.87	
85 N-Propylbenzene	91	22.979	22.978	0.001	100	1038986	4.99	4.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.011	23.010	0.001	95	304682	4.99	4.90	
87 n-Decane	57	23.080	23.080	0.000	91	379833	4.99	5.14	
88 4-Ethyltoluene	105	23.144	23.150	-0.006	97	917599	4.99	4.94	
89 2-Chlorotoluene	91	23.176	23.182	-0.006	96	728222	4.99	4.88	
90 1,3,5-Trimethylbenzene	105	23.235	23.240	-0.005	94	768213	4.99	4.85	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	92	417252	4.99	4.98	
92 tert-Butylbenzene	119	23.728	23.727	0.001	96	772702	4.99	4.85	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	782333	4.99	4.89	
94 sec-Butylbenzene	105	24.065	24.064	0.001	99	1132470	4.99	4.94	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	98	998006	4.99	4.94	
96 1,3-Dichlorobenzene	146	24.337	24.343	-0.005	94	594109	4.99	4.80	
97 1,4-Dichlorobenzene	146	24.487	24.492	-0.005	97	591727	4.99	4.80	
98 Benzyl chloride	91	24.712	24.712	0.000	100	583095	4.99	4.94	
99 Undecane	57	24.894	24.899	-0.005	91	425338	4.99	5.60	
100 n-Butylbenzene	91	24.926	24.931	-0.005	97	835591	4.99	5.04	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	99	568673	4.99	4.74	
102 Dodecane	57	26.782	26.787	-0.005	96	410123	4.99	5.39	
103 1,2,4-Trichlorobenzene	180	28.141	28.146	-0.005	93	476397	4.99	4.68	
104 Hexachlorobutadiene	225	28.355	28.355	0.000	97	452904	4.99	4.69	
105 Naphthalene	128	28.778	28.777	0.001	99	950237	4.99	4.90	
106 1,2,3-Trichlorobenzene	180	29.366	29.371	-0.005	96	450442	4.99	4.88	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

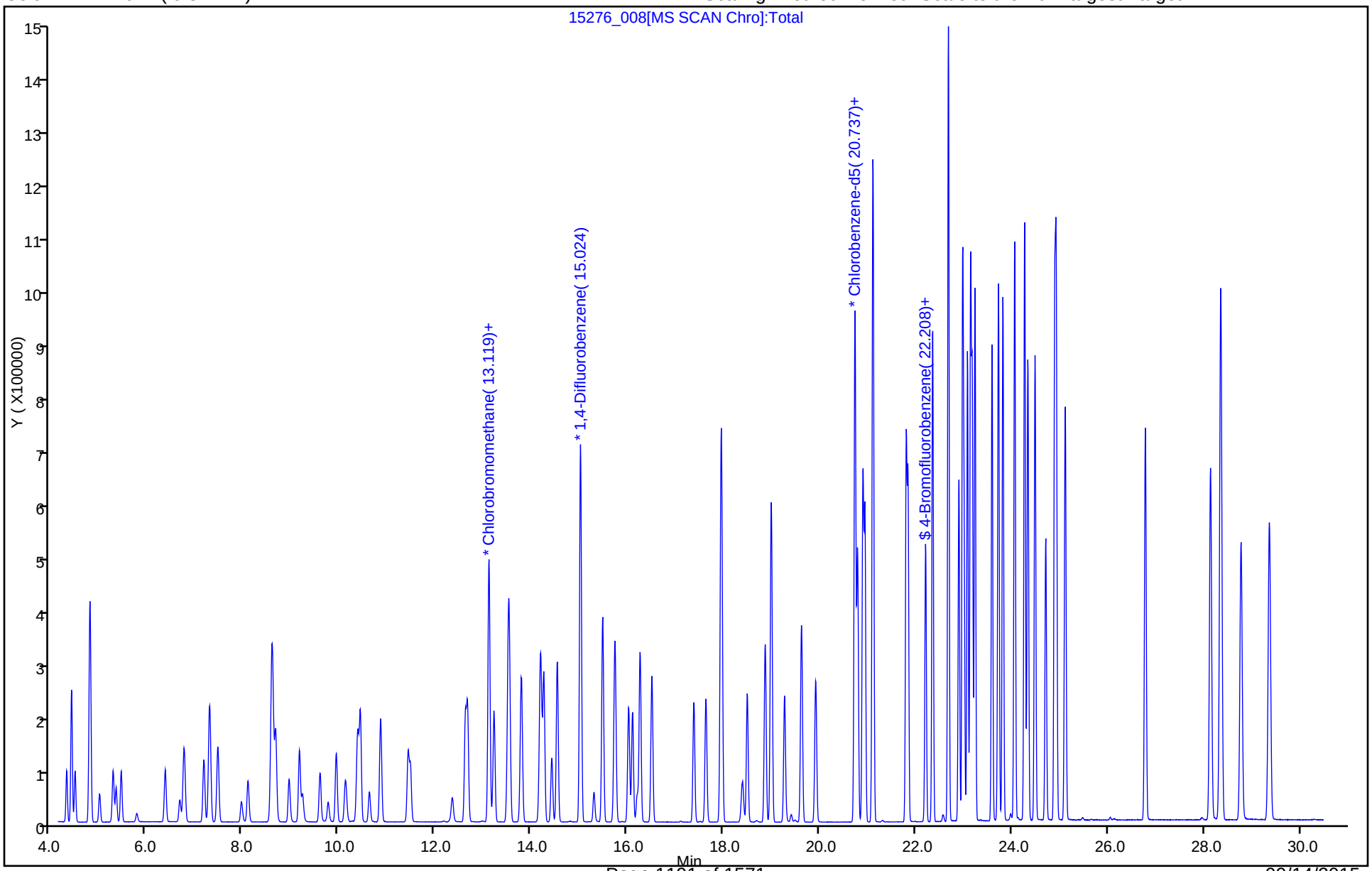
ATTO15CAL3w_00152	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_008.d

Injection Date:	13-Aug-2015 20:32:30	Instrument ID:	CHW.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	TO15_MasterMethod_(v1)	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\CHW.i\20150813-15276.b\15276_009.d
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 13-Aug-2015 21:22:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-009
Misc. Info.: icis-05
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:35 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 19-Aug-2015 10:13:41

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	4.324	4.324	0.000	99	144139	10.0	10.7	
2 Dichlorodifluoromethane	85	4.426	4.426	0.000	99	713719	10.0	10.3	
3 Chlorodifluoromethane	51	4.495	4.495	0.000	96	318046	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.805	4.805	0.000	98	699988	10.0	10.2	
5 Chloromethane	50	5.009	5.009	0.000	99	183586	10.0	10.2	
6 Butane	43	5.292	5.292	0.000	97	261833	10.0	9.99	
7 Vinyl chloride	62	5.351	5.351	0.000	98	213749	10.0	10.3	
8 Butadiene	54	5.458	5.458	0.000	91	145332	10.0	10.1	
9 BFB									
10 Bromomethane	94	6.373	6.373	0.000	99	215686	10.0	9.84	
11 Chloroethane	64	6.683	6.683	0.000	98	135406	10.0	10.2	
12 2-Methylbutane	43	6.763	6.763	0.000	91	221543	10.0	10.0	
13 Vinyl bromide	106	7.181	7.181	0.000	99	314111	10.0	10.2	
14 Trichlorofluoromethane	101	7.298	7.298	0.000	98	766595	10.0	10.0	
16 Pentane	43	7.470	7.470	0.000	97	331919	10.0	10.2	
17 Ethanol	45	7.962	7.962	0.000	99	97766	15.0	15.5	
18 Ethyl ether	59	8.095	8.095	0.000	92	162135	10.0	10.2	
19 Acrolein	56	8.588	8.588	0.000	96	67757	10.0	13.7	
20 1,1,2-Trichloro-1,2,2-trif	101	8.604	8.604	0.000	95	581721	10.0	10.1	
21 1,1-Dichloroethene	96	8.679	8.679	0.000	91	289544	10.0	10.2	
22 Acetone	43	8.957	8.957	0.000	95	267942	10.0	9.61	
23 Carbon disulfide	76	9.171	9.171	0.000	98	684512	10.0	10.2	
24 Isopropyl alcohol	45	9.230	9.230	0.000	100	231294	10.0	9.59	
25 3-Chloro-1-propene	41	9.599	9.599	0.000	94	209305	10.0	10.1	
26 Acetonitrile	41	9.770	9.770	0.000	99	126121	10.0	10.0	
27 Methylene Chloride	49	9.936	9.936	0.000	81	217260	10.0	10.0	
28 2-Methyl-2-propanol	59	10.128	10.128	0.000	93	372231	10.0	9.74	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.4	
29 Methyl tert-butyl ether	73	10.385	10.385	0.000	96	760441	10.0	10.4	
31 trans-1,2-Dichloroethene	61	10.444	10.444	0.000	90	333266	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
32 Acrylonitrile	53	10.626	10.626	0.000	97	153252	10.0	10.3	
33 Hexane	57	10.861	10.861	0.000	90	356815	10.0	10.2	
34 1,1-Dichloroethane	63	11.434	11.434	0.000	99	431147	10.0	10.1	
35 Vinyl acetate	43	11.487	11.487	0.000	99	446450	10.0	10.6	
37 cis-1,2-Dichloroethene	96	12.627	12.627	0.000	80	329520	10.0	10.1	
38 2-Butanone (MEK)	72	12.664	12.664	0.000	100	135049	10.0	9.58	
39 Ethyl acetate	88	12.675	12.675	0.000	95	25750	10.0	10.3	
41 Tetrahydrofuran	42	13.119	13.119	0.000	85	211402	10.0	10.1	
* 40 Chlorobromomethane	128	13.119	13.119	0.000	74	215023	10.0	10.0	
42 Chloroform	83	13.226	13.226	0.000	95	569228	10.0	10.0	
43 Cyclohexane	84	13.520	13.520	0.000	90	409537	10.0	10.0	
44 1,1,1-Trichloroethane	97	13.541	13.541	0.000	93	628557	10.0	9.90	
45 Carbon tetrachloride	117	13.793	13.793	0.000	97	680939	10.0	10.6	
46 Isooctane	57	14.194	14.194	0.000	99	1188416	10.0	10.1	
47 Benzene	78	14.258	14.258	0.000	93	883108	10.0	9.79	
48 1,2-Dichloroethane	62	14.424	14.424	0.000	98	324258	10.0	9.89	
49 n-Heptane	43	14.537	14.537	0.000	84	367244	10.0	9.95	
A 51 GRO	1	14.922	(6.753-23.090)		0	110379433	10.0	0	
* 50 1,4-Difluorobenzene	114	15.023	15.023	0.000	92	1048635	10.0	10.0	
52 n-Butanol	56	15.302	15.302	0.000	82	108969	10.0	8.75	
53 Trichloroethene	95	15.489	15.489	0.000	94	433905	10.0	10.2	
54 1,2-Dichloropropane	63	16.024	16.024	0.000	93	291192	10.0	9.98	
55 Methyl methacrylate	69	16.109	16.109	0.000	91	306948	10.0	10.2	
56 1,4-Dioxane	88	16.200	16.200	0.000	86	134831	10.0	8.87	
57 Dibromomethane	174	16.264	16.264	0.000	88	515452	10.0	9.49	
58 Dichlorobromomethane	83	16.511	16.511	0.000	97	644026	10.0	10.3	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	201975795	10.0	2671.3	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	87	477011	10.0	10.1	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.634	0.000	91	473802	10.0	10.2	
64 n-Octane	43	17.944	17.944	0.000	81	497889	10.0	10.1	
A 62 C8 Range	1	17.944	(17.894-17.994)		0	4874848	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	4874848	10.0	69.5	
65 Toluene	92	17.966	17.966	0.000	94	702810	10.0	10.0	
66 trans-1,3-Dichloropropene	75	18.495	18.495	0.000	93	484946	10.0	10.3	
67 1,1,2-Trichloroethane	83	18.870	18.870	0.000	92	325560	10.0	10.0	
68 Tetrachloroethene	166	18.998	18.998	0.000	95	768567	10.0	10.1	
69 2-Hexanone	43	19.271	19.271	0.000	98	455188	10.0	10.1	
71 Chlorodibromomethane	129	19.629	19.629	0.000	96	807279	10.0	11.0	
72 Ethylene Dibromide	107	19.924	19.924	0.000	98	669996	10.0	10.1	
S 73 Xylenes, Total	106				0		30.0	30.9	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	81	973083	10.0	10.0	
75 Chlorobenzene	112	20.796	20.796	0.000	99	1034786	10.0	9.94	
76 Ethylbenzene	91	20.903	20.903	0.000	96	1551624	10.0	10.2	
77 n-Nonane	57	20.945	20.945	0.000	81	569088	10.0	10.2	
78 m-Xylene & p-Xylene	106	21.117	21.117	0.000	0	1303023	20.0	20.6	
79 o-Xylene	106	21.807	21.807	0.000	99	670837	10.0	10.3	
80 Styrene	104	21.844	21.844	0.000	95	1051117	10.0	10.5	
81 Bromoform	173	22.208	22.208	0.000	99	887762	10.0	12.8	
$ 83 4-Bromofluorobenzene	95	22.208	22.208	0.000	26	1184	NC	NC	
82 Isopropylbenzene	105	22.358	22.358	0.000	94	1909383	10.0	10.3	
84 1,1,2,2-Tetrachloroethane	83	22.903	22.903	0.000	98	867352	10.0	10.0	
85 N-Propylbenzene	91	22.978	22.978	0.000	99	2225538	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.010	23.010	0.000	93	651501	10.0	10.2	
87 n-Decane	57	23.080	23.080	0.000	90	794090	10.0	10.5	
88 4-Ethyltoluene	105	23.150	23.150	0.000	97	1978518	10.0	10.4	
89 2-Chlorotoluene	91	23.182	23.182	0.000	96	1561560	10.0	10.2	
90 1,3,5-Trimethylbenzene	105	23.240	23.240	0.000	94	1664875	10.0	10.3	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	92	930244	10.0	10.8	
92 tert-Butylbenzene	119	23.727	23.727	0.000	96	1680211	10.0	10.3	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	1686769	10.0	10.3	
94 sec-Butylbenzene	105	24.064	24.064	0.000	98	2432109	10.0	10.4	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	97	2152514	10.0	10.4	
96 1,3-Dichlorobenzene	146	24.343	24.343	0.000	94	1314439	10.0	10.4	
97 1,4-Dichlorobenzene	146	24.492	24.492	0.000	97	1315529	10.0	10.4	
98 Benzyl chloride	91	24.712	24.712	0.000	100	1402490	10.0	11.6	
99 Undecane	57	24.899	24.899	0.000	90	865643	10.0	11.1	
100 n-Butylbenzene	91	24.931	24.931	0.000	97	1762644	10.0	10.4	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	99	1249513	10.0	10.2	
102 Dodecane	57	26.787	26.787	0.000	95	847707	10.0	10.9	
103 1,2,4-Trichlorobenzene	180	28.146	28.146	0.000	93	1080798	10.0	10.4	
104 Hexachlorobutadiene	225	28.355	28.355	0.000	96	991765	10.0	10.0	
105 Naphthalene	128	28.777	28.777	0.000	99	2213222	10.0	11.2	
106 1,2,3-Trichlorobenzene	180	29.371	29.371	0.000	96	987650	10.0	10.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

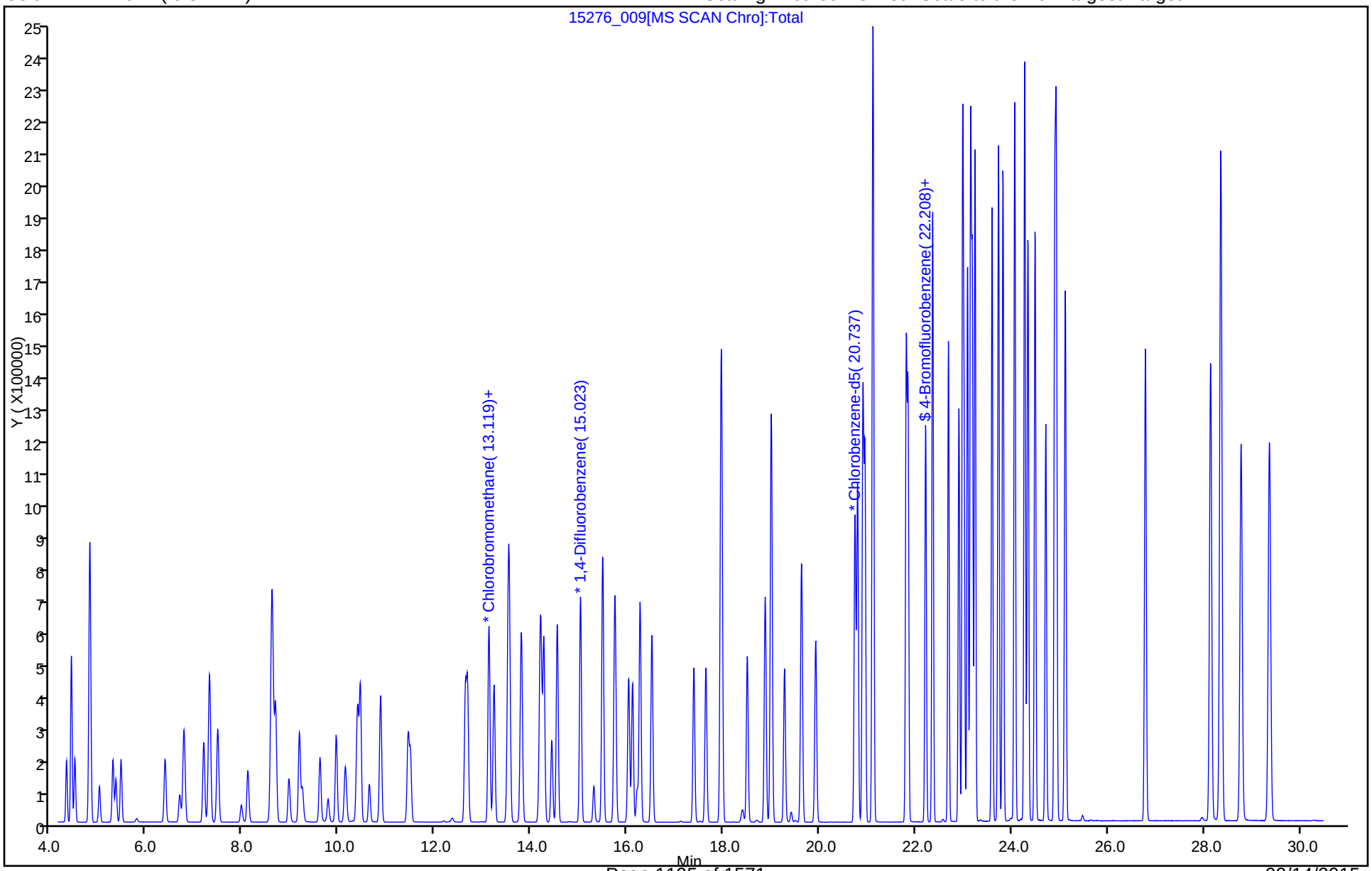
ATTO15CAL4w_00478	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_009.d

Injection Date:	13-Aug-2015 21:22:30	Instrument ID:	CHW.i	Operator ID:	pad
Lims ID:	icis			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	TO15_MasterMethod_(v1)	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\CHW.i\20150813-15276.b\15276_010.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 13-Aug-2015 22:14:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-010
Misc. Info.: ic-06
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:36 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 14-Aug-2015 09:26:55

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	4.329	4.324	0.005	99	209835	15.0	15.1	
2 Dichlorodifluoromethane	85	4.431	4.426	0.005	98	1054120	15.0	14.7	
3 Chlorodifluoromethane	51	4.506	4.495	0.011	96	468329	15.0	14.5	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.811	4.805	0.006	92	1030472	15.0	14.5	
5 Chloromethane	50	5.014	5.009	0.005	100	270017	15.0	14.5	
6 Butane	43	5.298	5.292	0.006	97	377584	15.0	13.9	
7 Vinyl chloride	62	5.357	5.351	0.006	98	311165	15.0	14.5	
8 Butadiene	54	5.464	5.458	0.006	92	211054	15.0	14.2	
9 BFB									
10 Bromomethane	94	6.378	6.373	0.005	99	318282	15.0	14.1	
11 Chloroethane	64	6.683	6.683	0.000	98	200659	15.0	14.7	
12 2-Methylbutane	43	6.774	6.763	0.011	90	324737	15.0	14.2	
13 Vinyl bromide	106	7.186	7.181	0.005	99	471367	15.0	14.8	
14 Trichlorofluoromethane	101	7.304	7.298	0.006	98	1140409	15.0	14.5	
16 Pentane	43	7.475	7.470	0.005	97	486122	15.0	14.5	
17 Ethanol	45	7.967	7.962	0.005	99	128790	20.0	19.8	
18 Ethyl ether	59	8.101	8.095	0.006	91	240391	15.0	14.7	
19 Acrolein	56	8.593	8.588	0.005	95	92284	15.0	18.0	
20 1,1,2-Trichloro-1,2,2-trif	101	8.609	8.604	0.005	94	866852	15.0	14.6	
21 1,1-Dichloroethene	96	8.679	8.679	0.000	91	432923	15.0	14.8	
22 Acetone	43	8.957	8.957	0.000	95	427581	15.0	14.8	
23 Carbon disulfide	76	9.176	9.171	0.005	98	1020518	15.0	14.8	
24 Isopropyl alcohol	45	9.235	9.230	0.005	100	400274	15.0	16.1	
25 3-Chloro-1-propene	41	9.604	9.599	0.005	94	317728	15.0	14.9	
26 Acetonitrile	41	9.770	9.770	0.000	100	196606	15.0	15.1	
27 Methylene Chloride	49	9.941	9.936	0.005	80	318565	15.0	14.2	
28 2-Methyl-2-propanol	59	10.134	10.128	0.006	93	632712	15.0	16.0	
S 30 1,2-Dichloroethene, Total	61				0		30.0	29.1	
29 Methyl tert-butyl ether	73	10.385	10.385	0.000	95	1138713	15.0	15.0	
31 trans-1,2-Dichloroethene	61	10.444	10.444	0.000	89	487128	15.0	14.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Acrylonitrile	53	10.631	10.626	0.005	96	231945	15.0	15.1	
33 Hexane	57	10.867	10.861	0.006	87	522999	15.0	14.4	
34 1,1-Dichloroethane	63	11.439	11.434	0.005	99	638211	15.0	14.5	
35 Vinyl acetate	43	11.487	11.487	0.000	99	671483	15.0	15.4	
37 cis-1,2-Dichloroethene	96	12.627	12.627	0.000	79	492018	15.0	14.7	
38 2-Butanone (MEK)	72	12.664	12.664	0.000	98	208118	15.0	14.3	
39 Ethyl acetate	88	12.675	12.675	0.000	95	39422	15.0	15.3	
41 Tetrahydrofuran	42	13.124	13.119	0.005	85	316492	15.0	14.8	
* 40 Chlorobromomethane	128	13.119	13.119	0.000	74	222103	10.0	10.0	
42 Chloroform	83	13.226	13.226	0.000	94	850713	15.0	14.5	
43 Cyclohexane	84	13.520	13.520	0.000	89	609621	15.0	14.7	
44 1,1,1-Trichloroethane	97	13.542	13.541	0.001	93	941524	15.0	14.6	
45 Carbon tetrachloride	117	13.793	13.793	0.000	98	1018011	15.0	15.6	
46 Isooctane	57	14.194	14.194	0.000	99	1736112	15.0	14.5	
47 Benzene	78	14.264	14.258	0.006	94	1302611	15.0	14.2	
48 1,2-Dichloroethane	62	14.424	14.424	0.000	98	478257	15.0	14.3	
49 n-Heptane	43	14.542	14.537	0.006	83	532492	15.0	14.2	
A 51 GRO	1	14.922	(6.753-23.090)		0	162129560	15.0	0	
* 50 1,4-Difluorobenzene	114	15.023	15.023	0.000	92	1068124	10.0	10.0	
52 n-Butanol	56	15.302	15.302	0.000	82	203589	15.0	16.0	
53 Trichloroethene	95	15.489	15.489	0.000	94	634617	15.0	14.7	
54 1,2-Dichloropropane	63	16.029	16.024	0.005	93	429237	15.0	14.4	
55 Methyl methacrylate	69	16.109	16.109	0.000	90	458839	15.0	14.9	
56 1,4-Dioxane	88	16.200	16.200	0.000	86	243769	15.0	15.7	
57 Dibromomethane	174	16.265	16.264	0.001	87	783538	15.0	14.2	
58 Dichlorobromomethane	83	16.511	16.511	0.000	97	952439	15.0	14.9	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	295089509	15.0	3831.6	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	87	717607	15.0	15.0	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.634	0.000	90	698397	15.0	14.7	
64 n-Octane	43	17.944	17.944	0.000	83	699564	15.0	13.9	
A 62 C8 Range	1	17.944	(17.894-17.994)		0	7038011	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	7038011	15.0	98.8	
65 Toluene	92	17.966	17.966	0.000	94	1025039	15.0	14.4	
66 trans-1,3-Dichloropropene	75	18.495	18.495	0.000	93	728194	15.0	15.1	
67 1,1,2-Trichloroethane	83	18.870	18.870	0.000	92	481224	15.0	14.6	
68 Tetrachloroethene	166	18.998	18.998	0.000	95	1151596	15.0	14.9	
69 2-Hexanone	43	19.271	19.271	0.000	98	681426	15.0	14.9	
71 Chlorodibromomethane	129	19.624	19.629	-0.005	98	1186805	15.0	15.9	
72 Ethylene Dibromide	107	19.924	19.924	0.000	99	1001463	15.0	14.9	
S 73 Xylenes, Total	106				0		45.0	44.1	
* 74 Chlorobenzene-d5	117	20.742	20.737	0.005	81	987960	10.0	10.0	
75 Chlorobenzene	112	20.796	20.796	0.000	99	1539925	15.0	14.6	
76 Ethylbenzene	91	20.903	20.903	0.000	96	2263601	15.0	14.6	
77 n-Nonane	57	20.946	20.945	0.001	80	813467	15.0	14.4	
78 m-Xylene & p-Xylene	106	21.111	21.117	-0.006	0	1871339	30.0	29.2	
79 o-Xylene	106	21.807	21.807	0.000	98	988432	15.0	14.9	
80 Styrene	104	21.844	21.844	0.000	95	1521972	15.0	15.0	
81 Bromoform	173	22.208	22.208	0.000	99	1239942	15.0	17.7	
$ 83 4-Bromofluorobenzene	95	22.203	22.208	-0.005	27	1802	NC	NC	
82 Isopropylbenzene	105	22.358	22.358	0.000	94	2794513	15.0	14.8	
84 1,1,2,2-Tetrachloroethane	83	22.904	22.903	0.001	98	1308428	15.0	14.9	
85 N-Propylbenzene	91	22.978	22.978	0.000	99	3220222	15.0	14.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.011	23.010	0.001	93	957966	15.0	14.8	
87 n-Decane	57	23.080	23.080	0.000	90	1132148	15.0	14.7	
88 4-Ethyltoluene	105	23.150	23.150	0.000	97	2871493	15.0	14.9	
89 2-Chlorotoluene	91	23.182	23.182	0.000	95	2284086	15.0	14.7	
90 1,3,5-Trimethylbenzene	105	23.241	23.240	0.001	94	2453261	15.0	14.9	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	92	1371484	15.0	15.7	
92 tert-Butylbenzene	119	23.727	23.727	0.000	95	2461166	15.0	14.8	
93 1,2,4-Trimethylbenzene	105	23.824	23.818	0.006	96	2464364	15.0	14.8	
94 sec-Butylbenzene	105	24.064	24.064	0.000	98	3515688	15.0	14.8	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	97	3140766	15.0	15.0	
96 1,3-Dichlorobenzene	146	24.343	24.343	0.001	95	1923711	15.0	15.0	
97 1,4-Dichlorobenzene	146	24.487	24.492	-0.005	97	1932505	15.0	15.1	
98 Benzyl chloride	91	24.712	24.712	0.000	100	2024995	15.0	16.5	
99 Undecane	57	24.899	24.899	0.000	89	1206568	15.0	15.3	
100 n-Butylbenzene	91	24.931	24.931	0.000	97	2520706	15.0	14.6	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	99	1856239	15.0	14.9	
102 Dodecane	57	26.787	26.787	0.000	95	1179227	15.0	14.9	
103 1,2,4-Trichlorobenzene	180	28.141	28.146	-0.005	93	1557789	15.0	14.7	
104 Hexachlorobutadiene	225	28.355	28.355	0.000	96	1517640	15.0	15.1	
105 Naphthalene	128	28.778	28.777	0.001	99	2775791	15.0	13.8	
106 1,2,3-Trichlorobenzene	180	29.371	29.371	0.000	96	1431231	15.0	14.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00055	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

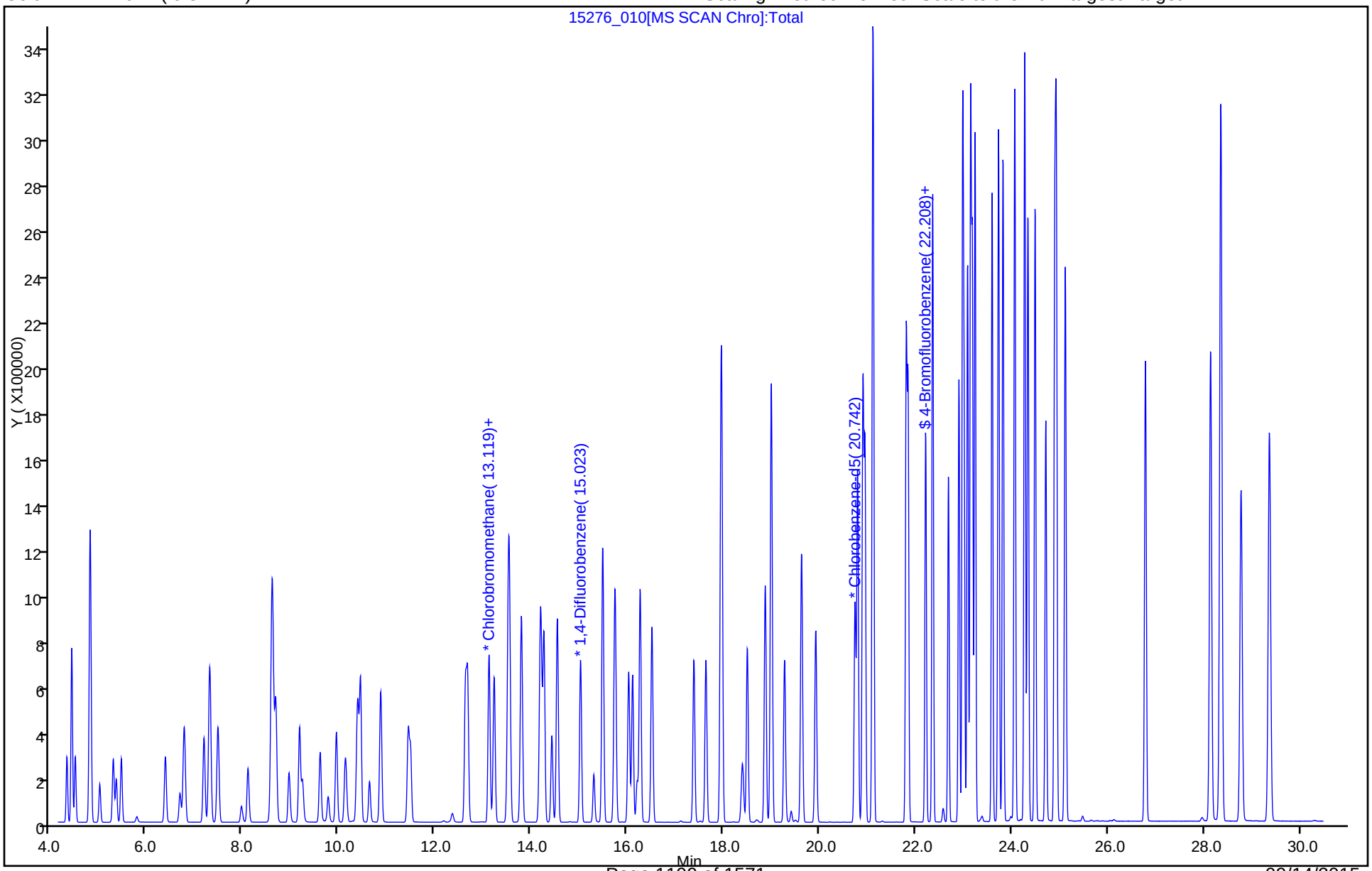
Report Date: 19-Aug-2015 10:29:37 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_010.d

Injection Date:	13-Aug-2015 22:14:30	Instrument ID:	CHW.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_MasterMethod_(v1)	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\CHW.i\20150813-15276.b\15276_011.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 13-Aug-2015 23:05:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-011
Misc. Info.: ic-07
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:37 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 14-Aug-2015 09:28:29

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	4.329	4.324	0.005	99	274180	20.0	20.0	
2 Dichlorodifluoromethane	85	4.436	4.426	0.010	99	1396999	20.0	19.9	
3 Chlorodifluoromethane	51	4.506	4.495	0.011	96	613877	20.0	19.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.816	4.805	0.011	96	1350936	20.0	19.3	
5 Chloromethane	50	5.020	5.009	0.011	99	354380	20.0	19.4	
6 Butane	43	5.298	5.292	0.006	97	499065	20.0	18.8	
7 Vinyl chloride	62	5.362	5.351	0.011	97	414789	20.0	19.6	
8 Butadiene	54	5.469	5.458	0.011	91	280643	20.0	19.2	
9 BFB									
10 Bromomethane	94	6.384	6.373	0.011	98	423006	20.0	19.0	
11 Chloroethane	64	6.689	6.683	0.006	98	266487	20.0	19.8	
12 2-Methylbutane	43	6.774	6.763	0.011	90	422682	20.0	18.8	
13 Vinyl bromide	106	7.192	7.181	0.011	99	632044	20.0	20.2	
14 Trichlorofluoromethane	101	7.309	7.298	0.011	98	1527343	20.0	19.7	
16 Pentane	43	7.480	7.470	0.010	98	632256	20.0	19.1	
17 Ethanol	45	7.967	7.962	0.005	99	251582	40.0	39.4	
18 Ethyl ether	59	8.101	8.095	0.006	91	321855	20.0	20.0	
19 Acrolein	56	8.593	8.588	0.005	95	98076	20.0	19.5	
20 1,1,2-Trichloro-1,2,2-trif	101	8.609	8.604	0.005	94	1152206	20.0	19.8	
21 1,1-Dichloroethene	96	8.679	8.679	0.000	91	576461	20.0	20.1	
22 Acetone	43	8.957	8.957	0.000	95	604299	20.0	21.3	
23 Carbon disulfide	76	9.176	9.171	0.005	98	1364234	20.0	20.1	
24 Isopropyl alcohol	45	9.240	9.230	0.010	100	530925	20.0	21.7	
25 3-Chloro-1-propene	41	9.610	9.599	0.011	94	413059	20.0	19.7	
26 Acetonitrile	41	9.775	9.770	0.005	100	263305	20.0	20.6	
27 Methylene Chloride	49	9.941	9.936	0.005	80	427001	20.0	19.4	
28 2-Methyl-2-propanol	59	10.134	10.128	0.006	92	840880	20.0	21.7	
S 30 1,2-Dichloroethene, Total	61				0		40.0	39.4	
29 Methyl tert-butyl ether	73	10.385	10.385	0.000	95	1517641	20.0	20.4	
31 trans-1,2-Dichloroethene	61	10.444	10.444	0.000	89	646926	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
32 Acrylonitrile	53	10.631	10.626	0.005	96	307931	20.0	20.4	
33 Hexane	57	10.867	10.861	0.006	87	688353	20.0	19.3	
34 1,1-Dichloroethane	63	11.439	11.434	0.005	99	842839	20.0	19.5	
35 Vinyl acetate	43	11.487	11.487	0.000	99	845280	20.0	19.7	
37 cis-1,2-Dichloroethene	96	12.632	12.627	0.005	79	654772	20.0	19.9	
38 2-Butanone (MEK)	72	12.670	12.664	0.006	99	282125	20.0	19.7	
39 Ethyl acetate	88	12.680	12.675	0.005	95	52656	20.0	20.8	
41 Tetrahydrofuran	42	13.124	13.119	0.005	84	421720	20.0	22.4	
* 40 Chlorobromomethane	128	13.119	13.119	0.000	78	218257	10.0	10.0	
42 Chloroform	83	13.226	13.226	0.000	94	1142229	20.0	19.8	
43 Cyclohexane	84	13.526	13.520	0.006	89	806709	20.0	21.9	
44 1,1,1-Trichloroethane	97	13.547	13.541	0.006	93	1259081	20.0	22.0	
45 Carbon tetrachloride	117	13.793	13.793	0.000	96	1193119	20.0	20.6	
46 Isooctane	57	14.194	14.194	0.000	99	2267728	20.0	21.4	
47 Benzene	78	14.264	14.258	0.006	93	1718838	20.0	21.2	
48 1,2-Dichloroethane	62	14.430	14.424	0.006	98	642187	20.0	21.8	
49 n-Heptane	43	14.542	14.537	0.006	81	693047	20.0	20.9	
A 51 GRO	1	14.922	(6.753-23.090)		0	211639904	20.0	0	
* 50 1,4-Difluorobenzene	114	15.029	15.023	0.006	92	944058	10.0	10.0	
52 n-Butanol	56	15.307	15.302	0.005	81	267814	20.0	23.9	
53 Trichloroethene	95	15.489	15.489	0.000	94	897007	20.0	23.5	
54 1,2-Dichloropropane	63	16.029	16.024	0.005	93	565892	20.0	21.6	
55 Methyl methacrylate	69	16.109	16.109	0.000	90	607350	20.0	22.3	
56 1,4-Dioxane	88	16.206	16.200	0.006	86	331243	20.0	24.2	
57 Dibromomethane	174	16.270	16.264	0.006	87	1145271	20.0	23.4	
58 Dichlorobromomethane	83	16.511	16.511	0.000	97	1214747	20.0	21.5	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	388442571	20.0	5706.5	
60 cis-1,3-Dichloropropene	75	17.388	17.383	0.005	87	950761	20.0	22.5	
61 4-Methyl-2-pentanone (MIBK	43	17.640	17.634	0.006	93	913934	20.0	21.8	
64 n-Octane	43	17.944	17.944	0.000	83	884985	20.0	20.0	
A 62 C8 Range	1	17.944	(17.894-17.994)		0	9153217	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	9153217	20.0	138.9	
65 Toluene	92	17.966	17.966	0.000	94	1343520	20.0	20.4	
66 trans-1,3-Dichloropropene	75	18.495	18.495	0.000	92	960080	20.0	22.6	
67 1,1,2-Trichloroethane	83	18.870	18.870	0.000	92	641097	20.0	21.0	
68 Tetrachloroethene	166	18.998	18.998	0.000	94	1551765	20.0	21.7	
69 2-Hexanone	43	19.271	19.271	0.000	97	895863	20.0	21.2	
71 Chlorodibromomethane	129	19.630	19.629	0.001	97	1402884	20.0	20.3	
72 Ethylene Dibromide	107	19.924	19.924	0.000	99	1325446	20.0	21.3	
S 73 Xylenes, Total	106				0		60.0	61.1	
* 74 Chlorobenzene-d5	117	20.742	20.737	0.005	81	913772	10.0	10.0	
75 Chlorobenzene	112	20.796	20.796	0.000	98	2033034	20.0	20.8	
76 Ethylbenzene	91	20.903	20.903	0.000	96	2949030	20.0	20.6	
77 n-Nonane	57	20.946	20.945	0.001	80	1034931	20.0	19.7	
78 m-Xylene & p-Xylene	106	21.117	21.117	0.000	0	2386158	40.0	40.2	
79 o-Xylene	106	21.807	21.807	0.000	98	1279986	20.0	20.9	
80 Styrene	104	21.844	21.844	0.000	95	1945065	20.0	20.8	
81 Bromoform	173	22.208	22.208	0.000	99	1195993	20.0	18.4	
$ 83 4-Bromofluorobenzene	95	22.203	22.208	-0.005	26	1895	NC	NC	
82 Isopropylbenzene	105	22.358	22.358	0.000	94	3610817	20.0	20.7	
84 1,1,2,2-Tetrachloroethane	83	22.904	22.903	0.001	98	1607081	20.0	19.8	
85 N-Propylbenzene	91	22.979	22.978	0.000	99	4126295	20.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.011	23.010	0.001	94	1233704	20.0	20.6	
87 n-Decane	57	23.080	23.080	0.000	89	1431651	20.0	20.1	
88 4-Ethyltoluene	105	23.144	23.150	-0.006	97	3715597	20.0	20.8	
89 2-Chlorotoluene	91	23.182	23.182	0.000	94	2970158	20.0	20.7	
90 1,3,5-Trimethylbenzene	105	23.241	23.240	0.001	94	3200687	20.0	21.0	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	92	1662288	20.0	20.6	
92 tert-Butylbenzene	119	23.727	23.727	0.000	95	3207969	20.0	20.9	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	3234351	20.0	21.0	
94 sec-Butylbenzene	105	24.065	24.064	0.000	98	4537880	20.0	20.6	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	97	4059785	20.0	20.9	
96 1,3-Dichlorobenzene	146	24.343	24.343	0.001	94	2569141	20.0	21.6	
97 1,4-Dichlorobenzene	146	24.487	24.492	-0.005	96	2595414	20.0	21.9	
98 Benzyl chloride	91	24.712	24.712	0.000	100	2488213	20.0	21.9	
99 Undecane	57	24.894	24.899	-0.005	89	1493888	20.0	20.4	
100 n-Butylbenzene	91	24.931	24.931	0.000	97	3219480	20.0	20.2	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	99	2483221	20.0	21.5	
102 Dodecane	57	26.788	26.787	0.001	96	1492377	20.0	20.4	
103 1,2,4-Trichlorobenzene	180	28.146	28.146	0.000	94	2296197	20.0	23.4	
104 Hexachlorobutadiene	225	28.360	28.355	0.005	97	2036016	20.0	21.9	
105 Naphthalene	128	28.778	28.777	0.001	99	4448149	20.0	23.9	
106 1,2,3-Trichlorobenzene	180	29.366	29.371	-0.005	96	2109856	20.0	23.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00111	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

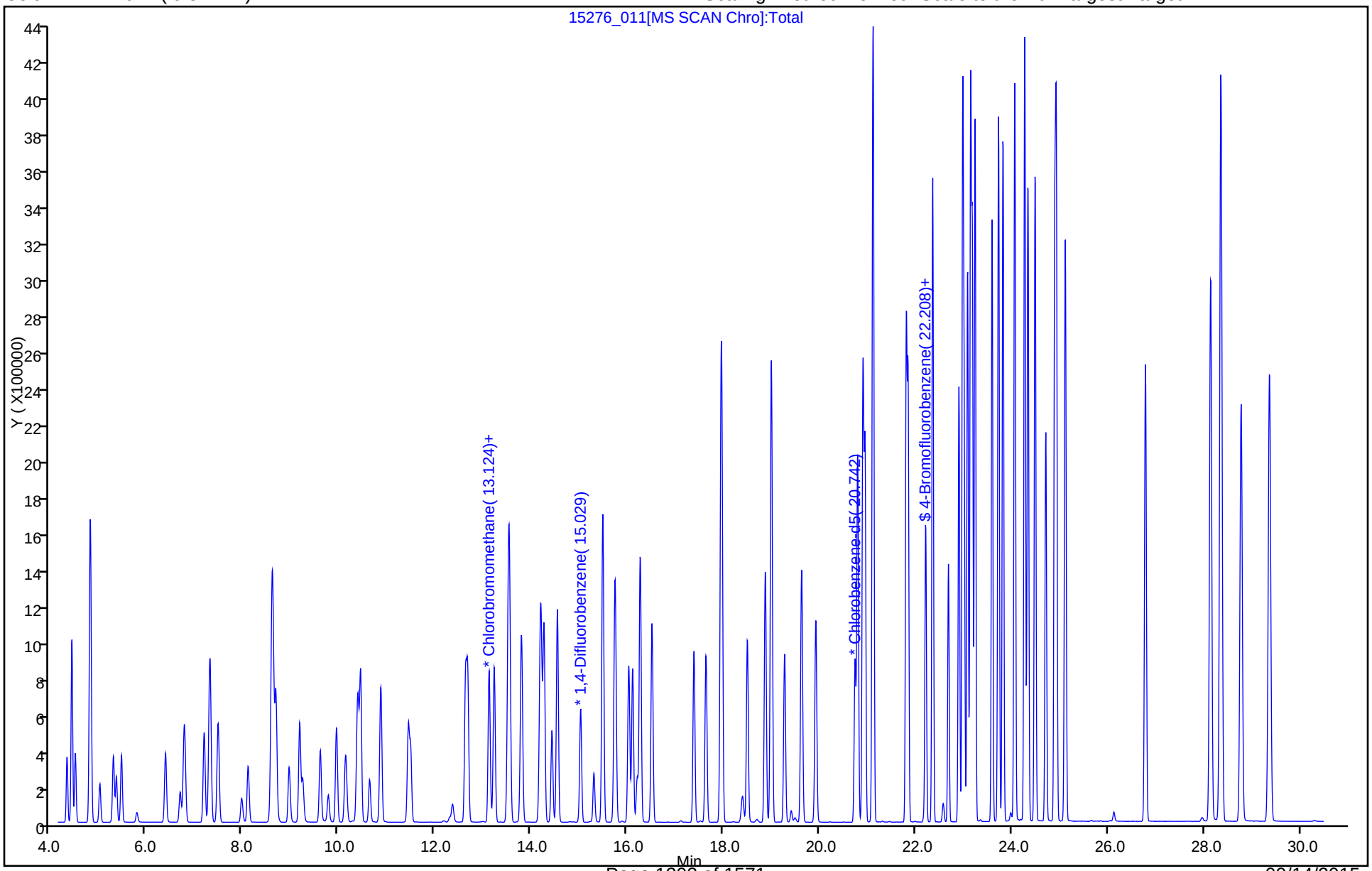
Report Date: 19-Aug-2015 10:29:38 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_011.d

Injection Date:	13-Aug-2015 23:05:30	Instrument ID:	CHW.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_MasterMethod_(v1)	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\CHW.i\20150813-15276.b\15276_012.d
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 13-Aug-2015 23:55:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-012
Misc. Info.: ic-08
Operator ID: pad Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:38 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 14-Aug-2015 09:36:38

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	4.329	4.324	0.005	99	521681	40.0	34.4	
2 Dichlorodifluoromethane	85	4.431	4.426	0.005	98	2703886	40.0	34.7	
3 Chlorodifluoromethane	51	4.506	4.495	0.011	96	1192942	40.0	34.0	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.816	4.805	0.011	96	2575583	40.0	33.3	
5 Chloromethane	50	5.014	5.009	0.005	98	696513	40.0	34.5	
6 Butane	43	5.303	5.292	0.011	97	969594	40.0	32.9	
7 Vinyl chloride	62	5.362	5.351	0.011	98	820912	40.0	35.1	
8 Butadiene	54	5.469	5.458	0.011	91	553275	40.0	34.2	
9 BFB									
10 Bromomethane	94	6.389	6.373	0.016	99	823763	40.0	33.5	
11 Chloroethane	64	6.694	6.683	0.011	98	528940	40.0	35.6	
12 2-Methylbutane	43	6.780	6.763	0.017	89	810667	40.0	32.6	
13 Vinyl bromide	106	7.192	7.181	0.011	99	1250968	40.0	36.2	
14 Trichlorofluoromethane	101	7.309	7.298	0.011	99	3035146	40.0	35.4	
16 Pentane	43	7.486	7.470	0.016	98	1213058	40.0	33.2	
17 Ethanol	45	7.978	7.962	0.016	99	600504	100.0	85.0	
18 Ethyl ether	59	8.106	8.095	0.011	91	627657	40.0	35.3	
19 Acrolein	56	8.598	8.588	0.010	90	91886	40.0	16.5	
20 1,1,2-Trichloro-1,2,2-trif	101	8.609	8.604	0.005	93	2252940	40.0	34.9	
21 1,1-Dichloroethene	96	8.684	8.679	0.005	90	1139431	40.0	35.8	
22 Acetone	43	8.957	8.957	0.000	95	1068988	40.0	34.1	
23 Carbon disulfide	76	9.182	9.171	0.011	98	2666879	40.0	35.5	
24 Isopropyl alcohol	45	9.246	9.230	0.016	100	1030103	40.0	38.0	
25 3-Chloro-1-propene	41	9.610	9.599	0.011	94	748083	40.0	32.2	
26 Acetonitrile	41	9.775	9.770	0.005	99	508183	40.0	36.0	
27 Methylene Chloride	49	9.947	9.936	0.011	79	815105	40.0	33.4	
28 2-Methyl-2-propanol	59	10.139	10.128	0.011	92	1685183	40.0	39.3	
S 30 1,2-Dichloroethene, Total	61				0		80.0	69.0	
29 Methyl tert-butyl ether	73	10.391	10.385	0.006	95	3003289	40.0	36.4	
31 trans-1,2-Dichloroethene	61	10.449	10.444	0.005	88	1246573	40.0	34.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Acrylonitrile	53	10.637	10.626	0.011	95	603919	40.0	36.1	
33 Hexane	57	10.872	10.861	0.011	86	1313175	40.0	33.3	
34 1,1-Dichloroethane	63	11.445	11.434	0.011	99	1638280	40.0	34.3	
35 Vinyl acetate	43	11.493	11.487	0.006	99	1711826	40.0	36.1	
37 cis-1,2-Dichloroethene	96	12.632	12.627	0.005	84	1276507	40.0	35.0	
38 2-Butanone (MEK)	72	12.670	12.664	0.006	99	516671	40.0	32.6	
39 Ethyl acetate	88	12.686	12.675	0.011	99	101894	40.0	36.4	
41 Tetrahydrofuran	42	13.124	13.119	0.005	85	801644	40.0	35.7	
* 40 Chlorobromomethane	128	13.124	13.119	0.005	66	241538	10.0	10.0	
42 Chloroform	83	13.231	13.226	0.005	95	2243486	40.0	35.2	
43 Cyclohexane	84	13.520	13.520	0.000	91	1515327	40.0	34.6	
44 1,1,1-Trichloroethane	97	13.547	13.541	0.006	94	2471015	40.0	36.3	
45 Carbon tetrachloride	117	13.798	13.793	0.005	97	2762013	40.0	40.1	
46 Isooctane	57	14.200	14.194	0.006	99	4203811	40.0	33.3	
47 Benzene	78	14.264	14.258	0.006	93	3279727	40.0	33.9	
48 1,2-Dichloroethane	62	14.430	14.424	0.006	98	1276033	40.0	36.3	
49 n-Heptane	43	14.542	14.537	0.006	80	1268672	40.0	32.1	
A 51 GRO	1	14.922	(6.753-23.090)		0	399658888	40.0	0	
* 50 1,4-Difluorobenzene	114	15.029	15.023	0.006	91	1124614	10.0	10.0	
52 n-Butanol	56	15.307	15.302	0.005	81	536554	40.0	40.2	
53 Trichloroethene	95	15.489	15.489	0.000	93	1633744	40.0	35.9	
54 1,2-Dichloropropane	63	16.029	16.024	0.005	92	1087282	40.0	34.8	
55 Methyl methacrylate	69	16.115	16.109	0.006	89	1176764	40.0	36.3	
56 1,4-Dioxane	88	16.206	16.200	0.006	85	615570	40.0	37.8	
57 Dibromomethane	174	16.270	16.264	0.006	86	2081971	40.0	35.7	
58 Dichlorobromomethane	83	16.516	16.511	0.005	98	2467262	40.0	36.7	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	731281424	40.0	9018.3	
60 cis-1,3-Dichloropropene	75	17.388	17.383	0.005	87	1872953	40.0	37.2	
61 4-Methyl-2-pentanone (MIBK	43	17.639	17.634	0.005	91	1704858	40.0	34.1	
64 n-Octane	43	17.944	17.944	0.000	79	1507021	40.0	28.5	
A 62 C8 Range	1	17.944	(17.894-17.994)		0	16115676	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	16115676	40.0	216.2	
65 Toluene	92	17.971	17.966	0.005	94	2359560	40.0	31.7	
66 trans-1,3-Dichloropropene	75	18.501	18.495	0.006	92	1907122	40.0	37.7	
67 1,1,2-Trichloroethane	83	18.875	18.870	0.005	93	1224354	40.0	35.4	
68 Tetrachloroethene	166	18.998	18.998	0.000	96	2932419	40.0	36.3	
69 2-Hexanone	43	19.277	19.271	0.005	97	1659944	40.0	34.8	
71 Chlorodibromomethane	129	19.630	19.629	0.001	97	2986098	40.0	38.3	
72 Ethylene Dibromide	107	19.924	19.924	0.000	99	2577546	40.0	36.6	
S 73 Xylenes, Total	106				0		120.0	93.3	
* 74 Chlorobenzene-d5	117	20.742	20.737	0.005	81	1033816	10.0	10.0	
75 Chlorobenzene	112	20.796	20.796	0.000	98	3840624	40.0	34.7	
76 Ethylbenzene	91	20.908	20.903	0.005	97	5307379	40.0	32.8	
77 n-Nonane	57	20.951	20.945	0.006	81	1770844	40.0	29.9	
78 m-Xylene & p-Xylene	106	21.117	21.117	0.000	0	4041521	80.0	60.2	
79 o-Xylene	106	21.807	21.807	0.000	99	2290088	40.0	33.1	
80 Styrene	104	21.844	21.844	0.000	96	3526694	40.0	33.3	
81 Bromoform	173	22.213	22.208	0.005	99	2857600	40.0	38.9	
$ 83 4-Bromofluorobenzene	95	22.208	22.208	0.000	26	4043	NC	NC	
82 Isopropylbenzene	105	22.358	22.358	0.000	95	6432377	40.0	32.6	
84 1,1,2,2-Tetrachloroethane	83	22.904	22.903	0.001	98	3061094	40.0	33.4	
85 N-Propylbenzene	91	22.984	22.978	0.006	99	6966554	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
86 1,2,3-Trichloropropane	75	23.011	23.010	0.001	93	2205203	40.0	32.6	
87 n-Decane	57	23.085	23.080	0.005	90	2378840	40.0	29.6	
88 4-Ethyltoluene	105	23.150	23.150	0.000	96	6384319	40.0	31.6	
89 2-Chlorotoluene	91	23.182	23.182	0.000	93	5351577	40.0	32.9	
90 1,3,5-Trimethylbenzene	105	23.241	23.240	0.001	94	5699544	40.0	33.1	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	91	3296589	40.0	36.1	
92 tert-Butylbenzene	119	23.727	23.727	0.000	94	5711849	40.0	32.9	
93 1,2,4-Trimethylbenzene	105	23.824	23.818	0.006	96	5787658	40.0	33.3	
94 sec-Butylbenzene	105	24.064	24.064	0.000	97	7818430	40.0	31.4	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	96	7107410	40.0	32.3	
96 1,3-Dichlorobenzene	146	24.343	24.343	0.001	95	4661209	40.0	34.6	
97 1,4-Dichlorobenzene	146	24.492	24.492	0.000	95	4715714	40.0	35.1	
98 Benzyl chloride	91	24.712	24.712	0.000	99	5176306	40.0	40.3	
99 Undecane	57	24.899	24.899	0.000	88	2399411	40.0	29.0	
100 n-Butylbenzene	91	24.931	24.931	0.000	97	5390064	40.0	29.9	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	98	4562315	40.0	34.9	
102 Dodecane	57	26.787	26.787	0.000	94	2725678	40.0	32.9	
103 1,2,4-Trichlorobenzene	180	28.146	28.146	0.000	94	4426412	40.0	39.9	
104 Hexachlorobutadiene	225	28.360	28.355	0.005	97	3764432	40.0	35.8	
105 Naphthalene	128	28.778	28.777	0.001	99	8350211	40.0	39.6	
106 1,2,3-Trichlorobenzene	180	29.371	29.371	0.000	96	4127577	40.0	41.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00056	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

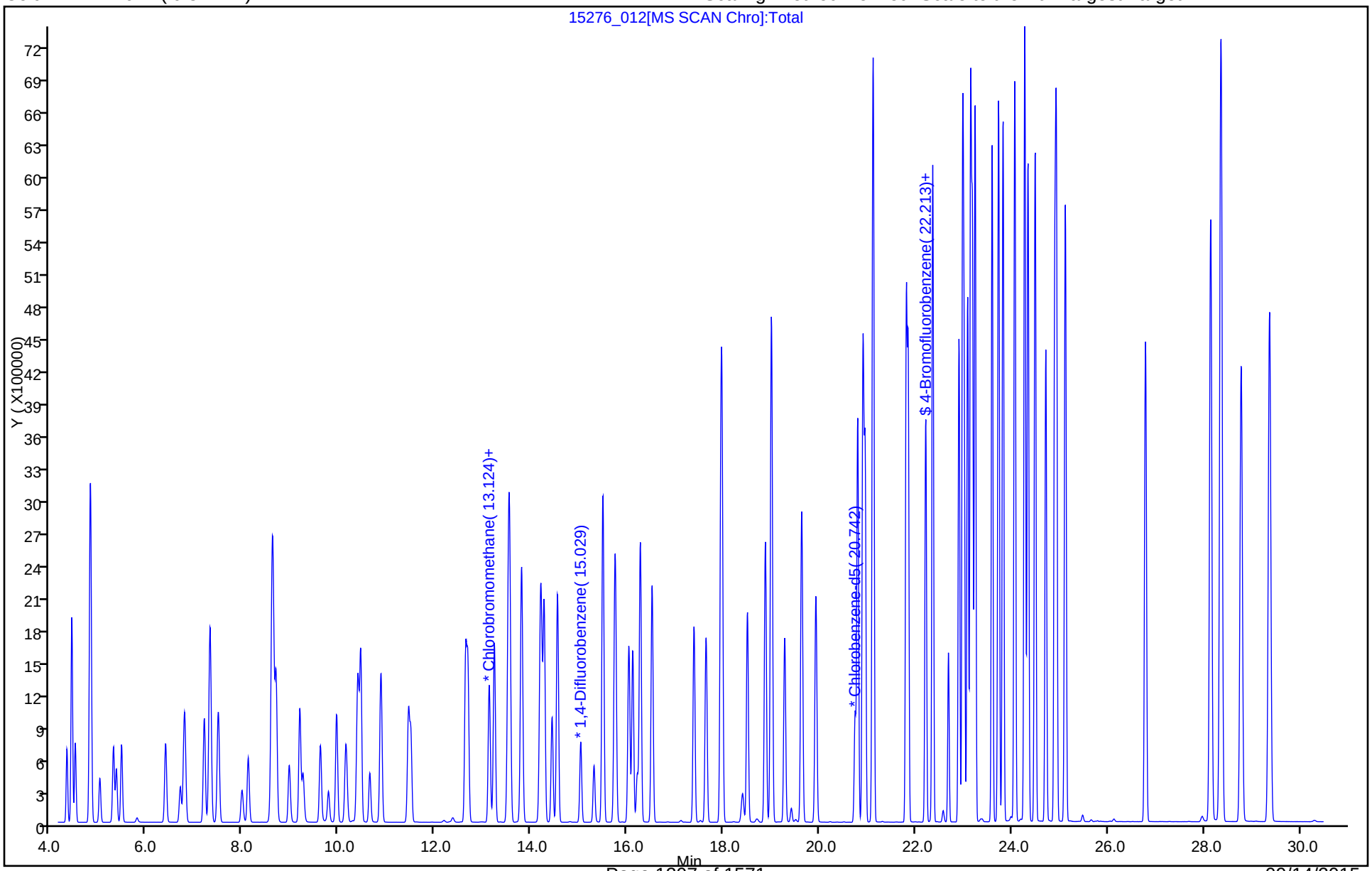
Report Date: 19-Aug-2015 10:29:39 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Injection Date:	13-Aug-2015 23:55:30	Instrument ID:	CHW.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_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

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



Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92823/4	15313_04.D
Level 2	IC 200-92823/5	15313_05.D
Level 3	IC 200-92823/6	15313_06.D
Level 4	IC 200-92823/7	15313_07.D
Level 5	ICIS 200-92823/8	15313_08.D
Level 6	IC 200-92823/9	15313_09.D
Level 7	IC 200-92823/10	15313_10.D
Level 8	IC 200-92823/11	15313_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	+++++ 0.4217	+++++ 0.3861	+++++ 0.3746	0.4479	0.4467	Ave		0.4154				8.2		30.0			
Dichlorodifluoromethane	+++++ 1.9562	+++++ 1.8005	2.0724 1.8099	1.9718	2.0597	Ave		1.9451				6.1		30.0			
Freon 22	+++++ 0.9410	+++++ 0.8557	1.0308 0.8605	0.9525	1.0039	Ave		0.9407				7.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.9844	2.0400 1.8229	2.0816 1.8362	1.9869	2.0916	Ave		1.9777				5.5		30.0			
Chloromethane	+++++ 0.5508	+++++ 0.4994	0.6023 0.5030	0.5512	0.5775	Ave		0.5474				7.4		30.0			
n-Butane	+++++ 0.8734	+++++ 0.7902	1.1420 0.7819	0.8761	0.9311	Ave		0.8991				14.7		30.0			
Vinyl chloride	0.5581 0.7177	0.7646 0.6507	0.7298 0.6553	0.7013	0.7448	Ave		0.6903				9.7		30.0			
1,3-Butadiene	+++++ 0.4961	0.5033 0.4509	0.5612 0.4522	0.4897	0.5172	Ave		0.4958				7.7		30.0			
Bromomethane	+++++ 0.7801	0.8013 0.7302	0.8346 0.7434	0.7722	0.8096	Ave		0.7816				4.7		30.0			
Chloroethane	+++++ 0.3505	+++++ 0.3215	0.3698 0.3273	0.3552	0.3673	Ave		0.3486				5.8		30.0			
Isopentane	+++++ 0.6007	0.8096 0.5414	0.7583 0.5449	0.6175	0.6326	Ave		0.6436				16.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9084	0.9255 0.8384	0.9448 0.8566	0.8923	0.9492	Ave		0.9022				4.7		30.0			
Trichlorofluoromethane	+++++ 2.1493	2.2362 1.9805	2.2729 2.0076	2.1260	2.2453	Ave		2.1454				5.4		30.0			
n-Pentane	+++++ 1.0004	+++++ 0.9129	1.2363 0.9048	1.0239	1.0635	Ave		1.0236				11.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.2153	+++++ 0.1993	0.2086 0.1896	0.2564	0.2184	Ave		0.2146				10.7		30.0			
Ethyl ether	+++++ 0.4678	0.4216 0.4300	0.4611 0.4279	0.4617	0.4828	Ave		0.4504				5.2		30.0			
Acrolein	+++++ 0.2039	+++++ 0.1495	+++++ 0.0733	0.1874	0.2330	Ave		0.1694				36.4	*	30.0			
Freon TF	+++++ 1.7251	1.8538 1.5853	1.7882 1.6059	1.6847	1.7794	Ave		1.7175				5.7		30.0			
1,1-Dichloroethene	+++++ 0.8111	0.8057 0.7557	0.8391 0.7625	0.7969	0.8486	Ave		0.8028				4.4		30.0			
Acetone	+++++ 0.8945	+++++ 0.8691	+++++ 0.7725	0.9799	0.8602	Ave		0.8752				8.5		30.0			
Carbon disulfide	+++++ 2.0561	+++++ 1.9250	2.1426 1.9277	2.0418	2.1464	Ave		2.0399				4.8		30.0			
Isopropyl alcohol	+++++ 0.9015	+++++ 0.8445	+++++ 0.7980	0.8261	0.7772	Ave		0.8295				5.8		30.0			
3-Chloropropene	+++++ 0.6898	0.7607 0.6184	0.7406 0.5672	0.6548	0.7111	Ave		0.6775				10.1		30.0			
Acetonitrile	+++++ 0.4303	+++++ 0.3963	+++++ 0.3857	0.4481	0.4141	Ave		0.4149				6.1		30.0			
Methylene Chloride	+++++ 0.7001	+++++ 0.6428	0.9791 0.6297	0.7290	0.7416	Ave		0.7371				17.2		30.0			
tert-Butyl alcohol	+++++ 1.4245	+++++ 1.3250	+++++ 1.2854	1.3257	1.2875	Ave		1.3296				4.2		30.0			
Methyl tert-butyl ether	+++++ 2.2289	2.3168 2.0695	2.3239 2.0734	2.1930	2.3362	Ave		2.2202				5.2		30.0			
trans-1,2-Dichloroethene	+++++ 1.0293	1.0861 0.9475	1.0975 0.9441	1.0238	1.0883	Ave		1.0310				6.3		30.0			
Acrylonitrile	+++++ 0.4856	+++++ 0.4458	0.4987 0.4492	0.4896	0.5015	Ave		0.4784				5.2		30.0			
n-Hexane	+++++ 1.0634	1.2098 0.9715	1.2602 0.9725	1.0648	1.1212	Ave		1.0948				10.1		30.0			
1,1-Dichloroethane	1.5382 1.3849	1.3885 1.2679	1.4587 1.2764	1.3738	1.4475	Ave		1.3920				6.5		30.0			
Vinyl acetate	+++++ 1.6812	+++++ 1.5077	+++++ 1.5101	1.6852	1.7752	Ave		1.6319				7.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.0202	1.0647 0.9430	1.0522 0.9562	0.9956	1.0590	Ave		1.0130				4.9		30.0			
Methyl Ethyl Ketone	+++++ 0.4413	+++++ 0.4131	0.6426 0.4061	0.4467	0.4371	Ave		0.4645				19.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.0763	+++++ 0.0706	+++++ 0.0702	0.0734	0.0770	Ave		0.0735				4.3		30.0			
Tetrahydrofuran	+++++ 0.1456	+++++ 0.1387	+++++ 0.1368	0.1439	0.1473	Ave		0.1425				3.2		30.0			
Chloroform	+++++ 1.8556	1.9677 1.7173	1.9648 1.7285	1.8364	1.9374	Ave		1.8582				5.7		30.0			
Cyclohexane	+++++ 0.2503	0.2614 0.2414	0.2588 0.2423	0.2416	0.2563	Ave		0.2503				3.5		30.0			
1,1,1-Trichloroethane	+++++ 0.3672	0.3668 0.3531	0.3747 0.3590	0.3543	0.3770	Ave		0.3646				2.6		30.0			
Carbon tetrachloride	0.3526 0.4060	0.3676 0.3394	0.3802 0.3995	0.3772	0.4163	Ave		0.3798				7.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.8394	0.8585 0.8064	0.8614 0.7969	0.8267	0.8661	Ave		0.8365				3.3		30.0			
Benzene	+++++ 0.5800	0.6142 0.5583	0.6179 0.5588	0.5650	0.5925	Ave		0.5838				4.3		30.0			
1,2-Dichloroethane	+++++ 0.2057	0.2124 0.1970	0.2101 0.1977	0.1998	0.2117	Ave		0.2049				3.3		30.0			
n-Heptane	+++++ 0.2782	0.2970 0.2631	0.3064 0.2589	0.2776	0.2909	Ave		0.2817				6.2		30.0			
n-Butanol	+++++ 0.1065	+++++ 0.1015	+++++ 0.1011	0.0934	0.0831	Ave		0.0971				9.4		30.0			
Trichloroethene	0.3441 0.2794	0.2994 0.2916	0.2963 0.2732	0.2670	0.3026	Ave		0.2942				8.1		30.0			
1,2-Dichloropropane	+++++ 0.2234	0.2240 0.2155	0.2260 0.2160	0.2183	0.2299	Ave		0.2219				2.4		30.0			
Methyl methacrylate	+++++ 0.2250	+++++ 0.2165	0.2229 0.2185	0.2157	0.2280	Ave		0.2211				2.2		30.0			
1,4-Dioxane	+++++ 0.1176	+++++ 0.1179	+++++ 0.1091	0.1077	0.0960	Ave		0.1097				8.2		30.0			
Dibromomethane	+++++ 0.3388	0.3994 0.3610	0.3784 0.3428	0.3179	0.3380	Ave		0.3538				7.8		30.0			
Bromodichloromethane	+++++ 0.4338	0.3914 0.4029	0.4077 0.4202	0.4152	0.4459	Ave		0.4167				4.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.3553	0.3367 0.3450	0.3436 0.3491	0.3408	0.3671	Ave		0.3482				2.9		30.0			
methyl isobutyl ketone	+++++ 0.3868	+++++ 0.3668	0.3983 0.3610	0.3809	0.3961	Ave		0.3817				4.0		30.0			
Toluene	+++++ 0.5051	0.5341 0.4972	0.5296 0.4915	0.4901	0.5166	Ave		0.5092				3.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.4270	0.4721 0.4004	0.4763 0.3858	0.4286	0.4460	Ave		0.4337				7.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.3582	0.3895 0.3419	0.3985 0.3458	0.3417	0.3665	Ave		0.3631				6.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2392	0.2492 0.2312	0.2406 0.2317	0.2283	0.2428	Ave		0.2376				3.1		30.0			
Tetrachloroethene	0.5710 0.5011	0.4954 0.4946	0.5091 0.5007	0.4736	0.5113	Ave		0.5071				5.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3841	+++++ 0.3654	0.3897 0.3577	0.3804	0.3913	Ave		0.3781				3.6		30.0			
Dibromochloromethane	+++++ 0.5375	0.4313 0.4642	0.4293 0.5194	0.5012	0.5551	Ave		0.4912				10.3		30.0			
1,2-Dibromoethane	+++++ 0.4791	0.4546 0.4647	0.4653 0.4681	0.4535	0.4856	Ave		0.4673				2.5		30.0			
Chlorobenzene	+++++ 0.7297	0.7256 0.7132	0.7409 0.7191	0.7020	0.7447	Ave		0.7250				2.1		30.0			
Ethylbenzene	+++++ 1.1032	1.1096 1.0737	1.1265 1.0765	1.0662	1.1287	Ave		1.0978				2.3		30.0			
n-Nonane	+++++ 0.4676	0.4993 0.4478	0.5022 0.4373	0.4603	0.4843	Ave		0.4713				5.3		30.0			
m,p-Xylene	+++++ 0.4668	0.4714 0.4553	0.4656 0.4546	0.4504	0.4764	Ave		0.4629				2.1		30.0			
Xylene, o-	+++++ 0.4606	0.4648 0.4489	0.4655 0.4506	0.4419	0.4705	Ave		0.4575				2.3		30.0			
Styrene	+++++ 0.7256	0.7048 0.6961	0.7105 0.7162	0.7015	0.7438	Ave		0.7141				2.3		30.0			
Bromoform	+++++ 0.5560	0.3350 0.3882	0.3410 0.5041	0.4937	0.5955	Ave		0.4591				22.8		30.0			
Cumene	+++++ 1.3228	1.3259 1.2755	1.3199 1.2897	1.2647	1.3374	Ave		1.3051				2.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6397	0.6338 0.5688	0.6221 0.6070	0.6139	0.6132	Ave		0.6141				3.8		30.0			
n-Propylbenzene	+++++ 1.5353	1.5493 1.4866	1.5448 1.4748	1.4868	1.5698	Ave		1.5211				2.5		30.0			
1,2,3-Trichloropropane	+++++ 0.4724	+++++ 0.4514	0.4989 0.4471	0.4578	0.4826	Ave		0.4684				4.3		30.0			
n-Decane	+++++ 0.6069	+++++ 0.5702	0.6512 0.5192	0.6006	0.6278	Ave		0.5960				7.8		30.0			
4-Ethyltoluene	+++++ 1.3381	1.3541 1.2907	1.3495 1.2618	1.2779	1.3605	Ave		1.3190				3.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 1.0354	1.0757 1.0002	1.0640 0.9864	1.0022	1.0587	Ave		1.0318				3.5		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1059	1.1096 1.0703	1.1128 1.0341	1.0592	1.1288	Ave		1.0887				3.2		30.0			
Alpha Methyl Styrene	+++++ 0.6047	0.5522 0.5310	0.5708 0.5680	0.5710	0.6196	Ave		0.5739				5.2		30.0			
tert-Butylbenzene	+++++ 1.0994	1.1337 1.0613	1.1213 1.0105	1.0516	1.1174	Ave		1.0850				4.1		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1128	1.1049 1.0775	1.1264 1.0182	1.0659	1.1340	Ave		1.0914				3.7		30.0			
sec-Butylbenzene	+++++ 1.6220	1.6031 1.5643	1.6414 1.4620	1.5637	1.6495	Ave		1.5866				4.1		30.0			
4-Isopropyltoluene	+++++ 1.4308	1.4178 1.3520	1.4261 1.3437	1.3613	1.4478	Ave		1.3971				3.1		30.0			
1,3-Dichlorobenzene	+++++ 0.8507	0.8559 0.8409	0.8573 0.7894	0.8132	0.8679	Ave		0.8393				3.3		30.0			
1,4-Dichlorobenzene	+++++ 0.8572	0.8741 0.8499	0.8638 0.7949	0.8290	0.8776	Ave		0.8495				3.4		30.0			
Benzyl chloride	+++++ 0.9506	0.8526 0.8276	0.8441 0.8771	0.8705	0.9975	Ave		0.8886				7.0		30.0			
n-Undecane	+++++ 0.6292	+++++ 0.5931	+++++ 0.5467	0.6360	0.6547	Ave		0.6119				7.0		30.0			
n-Butylbenzene	+++++ 1.1559	1.2884 1.0253	1.2600 1.1014	1.1698	1.2281	Ave		1.1756				7.9		30.0			
1,2-Dichlorobenzene	+++++ 0.8072	0.8192 0.7905	0.8151 0.7523	0.7657	0.8194	Ave		0.7956				3.4		30.0			
n-Dodecane	+++++ 0.5858	+++++ 0.5673	+++++ 0.3894	0.6344	0.6166	Ave		0.5587				17.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7226	+++++ 0.7720	0.7348 0.7485	0.7000	0.7277	Ave		0.7342				3.3		30.0			
Hexachlorobutadiene	+++++ 0.6939	0.7003 0.6812	0.7237 0.6616	0.6426	0.6796	Ave		0.6833				3.9		30.0			
Naphthalene	+++++ 1.2948	+++++ 1.4968	1.2878 1.4524	1.3528	1.5517	Ave		1.4061				7.8		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6764	0.6735 0.7170	0.6661 0.6369	0.6750	0.7061	Ave		0.6787				3.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92823/4	15313_04.D
Level 2	IC 200-92823/5	15313_05.D
Level 3	IC 200-92823/6	15313_06.D
Level 4	IC 200-92823/7	15313_07.D
Level 5	ICIS 200-92823/8	15313_08.D
Level 6	IC 200-92823/9	15313_09.D
Level 7	IC 200-92823/10	15313_10.D
Level 8	IC 200-92823/11	15313_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	+++++ 115606	+++++ 147627	+++++ 293103	39568	79619	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 536300	+++++ 688331	18447 1416178	174200	367128	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 257975	+++++ 327136	9175 673303	84151	178941	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 544022	7340 696918	18529 1436768	175537	372804	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 151010	+++++ 190924	5361 393541	48700	102928	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 239444	+++++ 302089	10165 611813	77403	165953	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	406 196764	2751 248778	6496 512756	61956	132763	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 135999	1811 172388	4995 353849	43265	92194	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 213878	2883 279157	7429 581679	68219	144302	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 96102	+++++ 122905	3292 256075	31384	65465	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 164678	2913 206973	6750 426323	54555	112761	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 249053	3330 320535	8410 670234	78834	169183	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 589227	8046 757146	20232 1570842	187826	400212	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 274252	+++++ 348993	11005 707953	90462	189558	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 78878	+++++ 152414	18594 370809	45333	58425	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 128246	1517 164407	4104 334842	40793	86055	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 55901	+++++ 57144	+++++ 57386	16554	41527	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 472941	6670 606055	15917 1256523	148836	317169	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 222376	2899 288899	7469 596610	70402	151254	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 245235	+++++ 332279	+++++ 604454	86571	153320	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 563694	+++++ 735941	19072 1508299	180387	382581	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 247161	+++++ 322857	+++++ 624384	72980	138526	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 189105	2737 236424	6592 443769	57849	126757	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 117962	+++++ 151523	+++++ 301814	39587	73804	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 191942	+++++ 245762	8715 492671	64407	132185	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 390536	+++++ 506551	+++++ 1005737	117126	229496	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 611053	8336 791200	20686 1622319	193747	416407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 282198	3908 362220	9769 738694	90452	193989	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 133120	+++++ 170432	4439 351437	43254	89386	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 291527	4353 371423	11217 760933	94069	199848	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1119 379683	4996 484720	12984 998726	121376	258006	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 460901	+++++ 576389	+++++ 1181596	148881	316412	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 279699	3831 360505	9366 748190	87958	188750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 120992	+++++ 157943	5720 317730	39469	77903	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 20908	+++++ 26996	+++++ 54940	6481	13732	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 213592	+++++ 271947	+++++ 550582	69181	142545	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 508708	7080 656531	17489 1352467	162241	345321	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 367117	5156 473473	12595 974894	116145	247969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 538511	7236 692478	18231 1444367	170319	364721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1411 595426	7250 665674	18498 1607404	181327	402821	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1231099	16933 1581525	41917 3206482	397447	838004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 850668	12116 1094952	30066 2248333	271621	573241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 301746	4190 386358	10225 795366	96043	204801	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 408033	5858 515909	14909 1041893	133436	281469	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 156227	+++++ 199142	+++++ 406800	44914	80367	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1377 409861	5905 571789	14420 1099379	128372	292790	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 327591	4419 422687	10996 869152	104929	222412	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 329938	+++++ 424575	10846 879348	103716	220565	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 172495	+++++ 231199	+++++ 438987	51754	92901	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 496840	7879 707881	18413 1379467	152819	327060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 636254	7721 790218	19837 1690582	199622	431391	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 521087	6642 676517	16721 1404582	163830	355200	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 567275	+++++ 719425	19380 1452676	183126	383249	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 727136	10378 957398	25278 1950494	231255	489691	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 626206	9312 785212	23178 1552346	206063	431541	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 525377	7682 670483	19391 1391292	164265	354582	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 344310	4842 445240	11485 919569	107712	230143	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	CBZ	Ave	2234 721350	9626 952351	24300 1986893	223437	484640	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 552940	+++++ 703504	18600 1419344	179506	370855	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 773759	8380 893824	20490 2061192	236482	526159	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 689606	8833 894793	22207 1857346	213957	460295	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1050334	14098 1373195	35363 2853671	331246	705853	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1587982	21560 2067415	53766 4271792	503072	1069819	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 673141	9701 862327	23969 1735272	217187	459000	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 1343786	18319 1753357	44443 3608247	424990	903046	+++++ 30.0	0.400 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 663048	9032 864306	22217 1787948	208525	445933	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1044542	13694 1340404	33909 2842089	330977	704947	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 800301	6509 747541	16277 2000470	232957	564392	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1904124	25764 2455967	62997 5117881	596746	1267613	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 920841	12316 1095183	29690 2408856	289659	581197	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 2210049	30105 2862524	73727 5852479	701499	1487902	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 680056	+++++ 869202	23812 1774249	216002	457424	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 873541	+++++ 1097936	31078 2060487	283369	595025	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1926124	26312 2485215	64410 5007218	602938	1289537	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1490410	20902 1925859	50782 3914379	472878	1003429	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1591961	21561 2060828	53113 4103368	499768	1069946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 870386	10730 1022373	27241 2253838	269421	587298	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1582555	22029 2043539	53515 4010081	496200	1059064	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29580-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	CBZ	Ave	+++++ 1601792	21469 2074788	53761 4040427	502925	1074809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 2334756	31149 3012184	78341 5801638	737805	1563449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 2059610	27549 2603395	68063 5332076	642290	1372257	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1224566	16631 1619152	40915 3132687	383696	822626	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1233878	16984 1636540	41228 3154352	391164	831794	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1368379	16566 1593524	40288 3480432	410726	945439	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 905738	+++++ 1142006	+++++ 2169541	300072	620516	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1663811	25035 1974285	60138 4370458	551929	1164033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1161892	15918 1522188	38902 2985410	361270	776660	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 843183	+++++ 1092276	+++++ 1545129	299345	584392	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1040101	+++++ 1486418	35069 2970105	330266	689770	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 998827	13607 1311617	34540 2625229	303192	644122	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1863786	+++++ 2882160	61461 5763656	638299	1470735	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 973583	13086 1380654	31792 2527390	318508	669275	+++++ 15.0	0.200 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\20150817-15313.b\15313_04.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Aug-2015 18:04:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-004
Misc. Info.: ic-01
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:24 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:13:22

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	3.097	3.092	0.005	72	1904	0.0401	0.2526	
2 Dichlorodifluoromethane	85	3.167	3.161	0.006	95	1706	0.0401	0.0483	
3 Chlorodifluoromethane	51	3.220	3.209	0.011	96	727	0.0401	0.0426	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.429	3.423	0.006	86	1688	0.0401	0.0470	
5 Chloromethane	50	3.568	3.563	0.005	86	522	0.0401	0.0526	
6 Butane	43	3.761	3.755	0.006	92	792	0.0401	0.0485	
7 Vinyl chloride	62	3.809	3.803	0.006	91	406	0.0401	0.0324	M
8 Butadiene	54	3.889	3.878	0.011	78	403	0.0401	0.0448	
9 Bromomethane	94	4.547	4.547	0.000	89	716	0.0401	0.0505	
10 Chloroethane	64		4.777				ND	ND	
11 2-Methylbutane	43	4.831	4.841	-0.010	27	423	0.0401	0.0362	
12 Vinyl bromide	106	5.157	5.157	0.000	94	644	0.0401	0.0393	
13 Trichlorofluoromethane	101	5.259	5.248	0.011	92	1788	0.0401	0.0459	
14 Pentane	43	5.387	5.376	0.011	40	976	0.0401	0.0525	
15 Ethanol	45	5.826	5.804	0.022	0	127	0.0802	0.0326	
16 Ethyl ether	59		5.895				ND	ND	
17 Acrolein	56		6.280				ND	ND	
18 1,1,2-Trichloro-1,2,2-trif	101	6.291	6.286	0.005	89	1267	0.0401	0.0407	
20 1,1-Dichloroethene	96	6.339	6.344	-0.005	86	556	0.0401	0.0382	
21 Acetone	43	6.617	6.585	0.032	86	6178	0.0401	0.3890	
22 Carbon disulfide	76	6.746	6.740	0.006	98	2116	0.0401	0.0572	
23 Isopropyl alcohol	45	6.928	6.863	0.065	96	962	0.0401	0.0639	
24 3-Chloro-1-propene	41	7.110	7.115	-0.005	1	256	0.0401	0.0208	
25 Acetonitrile	41		7.265				ND	ND	
26 Methylene Chloride	49	7.415	7.409	0.006	79	1458	0.0401	0.1090	
28 2-Methyl-2-propanol	59	7.730	7.639	0.091	91	1219	0.0401	0.0505	
29 Methyl tert-butyl ether	73	7.864	7.800	0.064	33	1895	0.0401	0.0470	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	78	819	0.0401	0.0438	
31 Acrylonitrile	53	8.019	8.003	0.016	11	165	0.0401	0.0190	
32 Hexane	57	8.212	8.201	0.011	55	680	0.0401	0.0342	

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	8.709	8.709	0.000	3	1119	0.0401	0.0443	M
34 Vinyl acetate	43	8.773	8.773	0.000	98	1348	0.0401	0.0455	
35 cis-1,2-Dichloroethene	96	9.806	9.816	-0.010	92	606	0.0401	0.0330	
36 2-Butanone (MEK)	72	9.897	9.865	0.032	96	652	0.0401	0.0774	
37 Ethyl acetate	88		9.897				ND	ND	
S 38 1,2-Dichloroethene, Total	61				0		0.0802	0.0767	
* 40 Chlorobromomethane	128	10.282	10.282	0.000	77	181467	10.0	10.0	
39 Tetrahydrofuran	42	10.346	10.287	0.059	74	612	0.0401	0.0430	
41 Chloroform	83	10.410	10.410	0.000	80	1745	0.0401	0.0517	
42 Cyclohexane	84	10.662	10.656	0.006	57	636	0.0401	0.0255	
43 1,1,1-Trichloroethane	97	10.683	10.688	-0.005	50	1071	0.0401	0.0294	
44 Carbon tetrachloride	117	10.929	10.934	-0.005	87	1411	0.0401	0.0372	
45 Isooctane	57		11.362				ND	ND	
46 Benzene	78	11.411	11.416	-0.005	1	1563	0.0401	0.0268	
47 1,2-Dichloroethane	62		11.609				ND	ND	
48 n-Heptane	43	11.748	11.753	-0.005	20	1374	0.0401	0.0489	
* 50 1,4-Difluorobenzene	114	12.261	12.267	-0.006	93	998265	10.0	10.0	
51 n-Butanol	56		12.668				ND	ND	
52 Trichloroethene	95	12.743	12.743	0.000	88	1377	0.0401	0.0469	M
53 1,2-Dichloropropane	63		13.336				ND	ND	
54 Methyl methacrylate	69		13.492				ND	ND	
55 1,4-Dioxane	88	13.626	13.567	0.059	44	1120	0.0401	0.1023	
56 Dibromomethane	174	13.610	13.609	0.001	86	1534	0.0401	0.0434	
57 Dichlorobromomethane	83	13.909	13.909	0.000	91	1663	0.0401	0.0400	
58 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	1	1018	0.0401	0.0293	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	756084	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	756084	0.0401	14.9	
61 4-Methyl-2-pentanone (MIBK	43	15.209	15.177	0.032	91	1847	0.0401	0.0485	
A 63 Toluene Range	1		(15.472-15.492)				NC	ND	
62 Toluene	92	15.477	15.482	-0.005	92	2483	0.0401	0.0500	
A 65 GRO	1	15.514	(15.514-15.514)		0	13651	0.0401	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	76	2181	0.0401	0.0504	
67 trans-1,3-Dichloropropene	75	16.102	16.102	0.000	88	1470	0.0401	0.0406	
68 1,1,2-Trichloroethane	83		16.487				ND	ND	
69 Tetrachloroethene	166	16.584	16.589	-0.005	81	2234	0.0401	0.0451	M
70 2-Hexanone	43	16.974	16.942	0.032	94	1338	0.0401	0.0363	
71 Chlorodibromomethane	129	17.269	17.269	0.000	88	1689	0.0401	0.0352	
72 Ethylene Dibromide	107	17.547	17.552	-0.005	94	1830	0.0401	0.0401	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	975999	10.0	10.0	
74 Chlorobenzene	112	18.515	18.520	-0.005	82	3603	0.0401	0.0509	
75 Ethylbenzene	91	18.654	18.659	-0.005	93	5546	0.0401	0.0518	
76 n-Nonane	57	18.756	18.761	-0.005	88	2199	0.0401	0.0478	
77 m-Xylene & p-Xylene	106	18.916	18.911	0.005	97	4088	0.0802	0.0905	
78 o-Xylene	106	19.719	19.729	-0.010	92	1993	0.0401	0.0446	
79 Styrene	104	19.778	19.778	0.000	92	2384	0.0401	0.0342	
S 80 Xylenes, Total	106				0		0.1203	0.1351	
81 Bromoform	173	20.190	20.189	0.001	87	1346	0.0401	0.0300	
82 Isopropylbenzene	105	20.366	20.361	0.005	92	6153	0.0401	0.0483	
* 83 4-Bromofluorobenzene	95	20.719	20.724	-0.005	98	658976	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.981	20.992	-0.011	96	2854	0.0401	0.0476	
86 N-Propylbenzene	91	21.046	21.045	0.001	99	6953	0.0401	0.0468	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.083	21.088	-0.005	93	2835	0.0401	0.0620	
88 n-Decane	57	21.190	21.190	0.000	83	3004	0.0401	0.0516	
89 4-Ethyltoluene	105	21.228	21.227	0.001	98	6154	0.0401	0.0478	
90 2-Chlorotoluene	91	21.244	21.243	0.001	85	5021	0.0401	0.0499	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	92	5141	0.0401	0.0484	
92 Alpha Methyl Styrene	118	21.688	21.682	0.006	83	836	0.0401	0.0149	
93 tert-Butylbenzene	119	21.795	21.800	-0.005	95	5083	0.0401	0.0480	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	94	5028	0.0401	0.0472	
95 sec-Butylbenzene	105	22.110	22.110	0.000	97	7298	0.0401	0.0471	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	96	6434	0.0401	0.0472	
97 1,3-Dichlorobenzene	146	22.351	22.356	-0.005	94	4160	0.0401	0.0508	
98 1,4-Dichlorobenzene	146	22.495	22.495	0.000	95	4031	0.0401	0.0486	
99 Benzyl chloride	91	22.699	22.698	0.001	94	2572	0.0401	0.0297	
100 Undecane	57	22.902	22.896	0.006	74	2768	0.0401	0.0463	
101 n-Butylbenzene	91	22.897	22.902	-0.005	95	5461	0.0401	0.0476	
102 1,2-Dichlorobenzene	146	23.052	23.052	0.000	95	4028	0.0401	0.0519	
103 Dodecane	57	24.550	24.549	0.001	35	1882	0.0401	0.0345	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	89	3413	0.0401	0.0476	
105 Hexachlorobutadiene	225	25.871	25.871	0.000	94	3338	0.0401	0.0501	
106 Naphthalene	128	26.219	26.219	0.000	98	6367	0.0401	0.0464	
107 1,2,3-Trichlorobenzene	180	26.727	26.727	0.000	94	3084	0.0401	0.0466	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

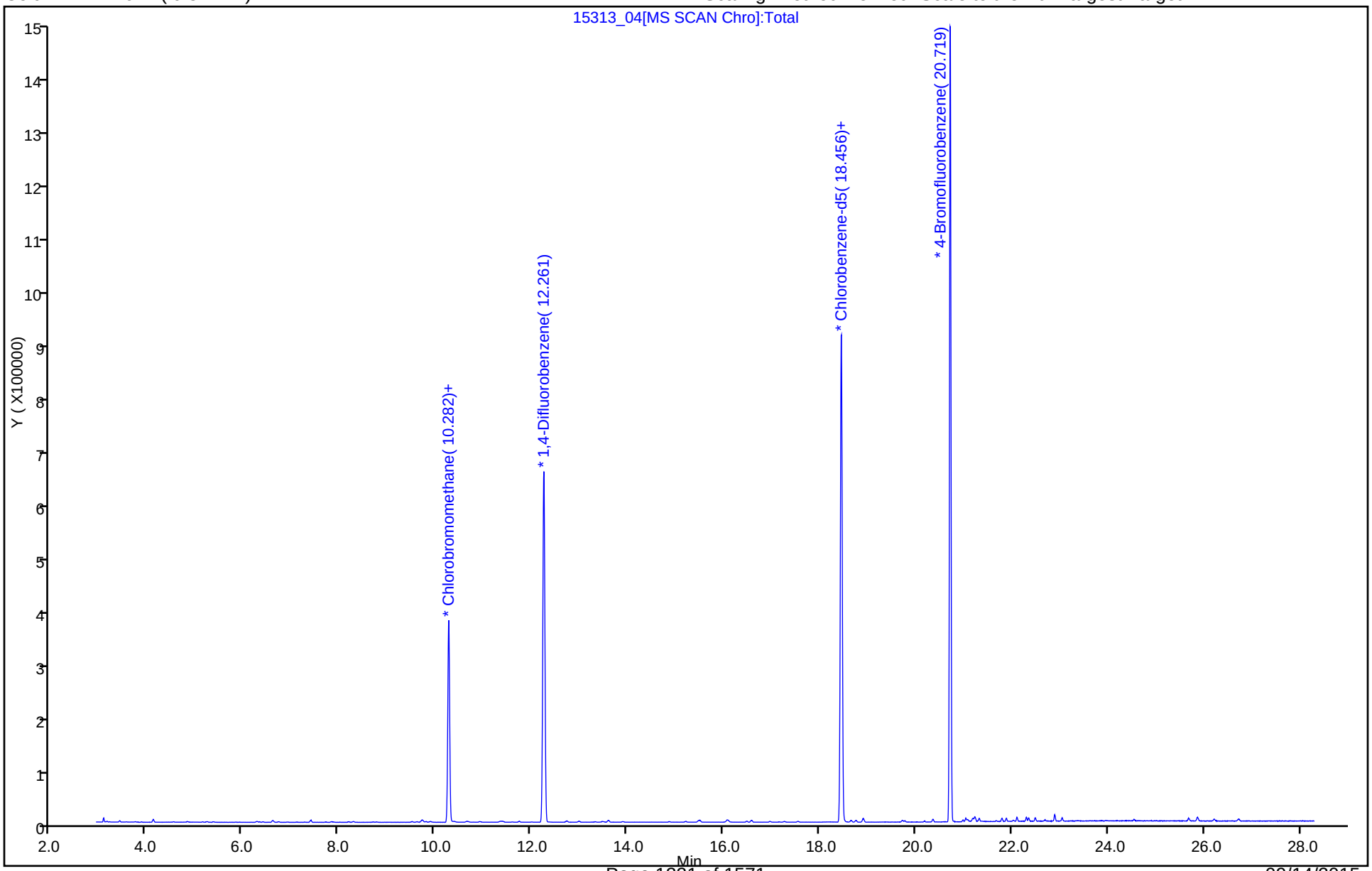
ATTO15CAL1w_00142	Amount Added:	40.00	Units: mL	
ATTO15GIS_00009	Amount Added:	20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_04.D

Injection Date:	17-Aug-2015 18:04:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

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



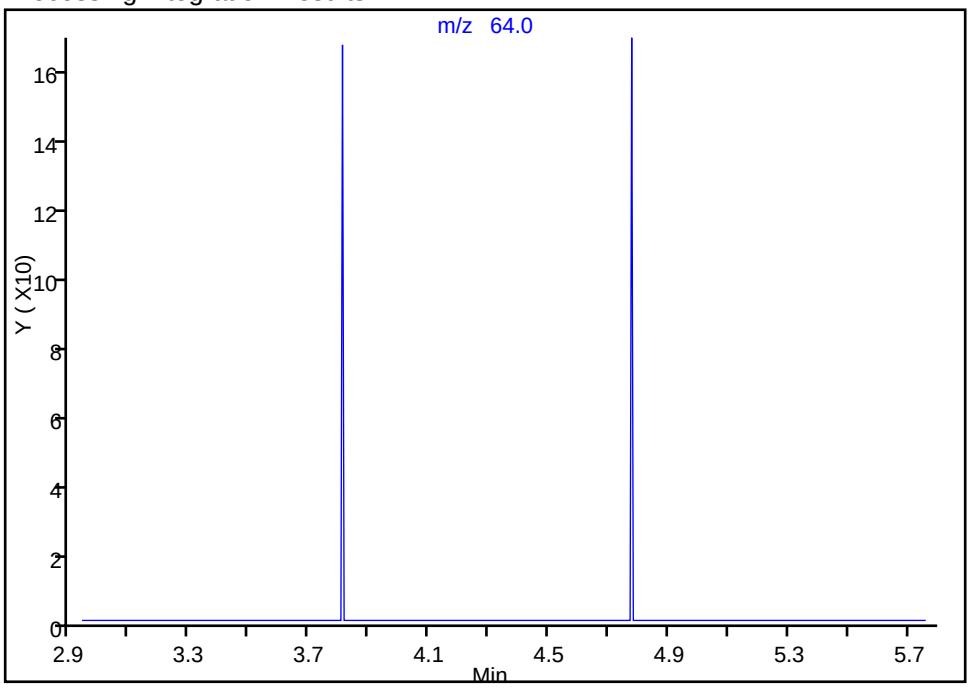
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_04.D				
Injection Date:	17-Aug-2015 18:04:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Vinyl chloride, CAS: 75-01-4

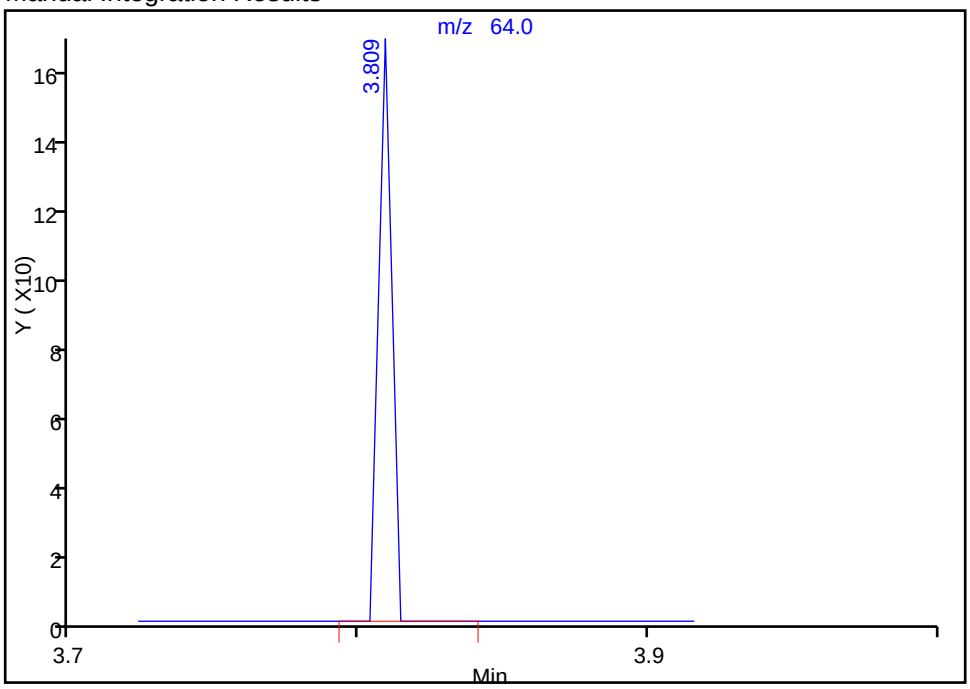
Processing Integration Results

RT: 3.76
Area: 0
Amount: 0.032411
Amount Units: ppb v/v



Manual Integration Results

RT: 3.81
Area: 52
Amount: 0.032411
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:13:22
Audit Action: Manually Integrated
Audit Reason: Baseline

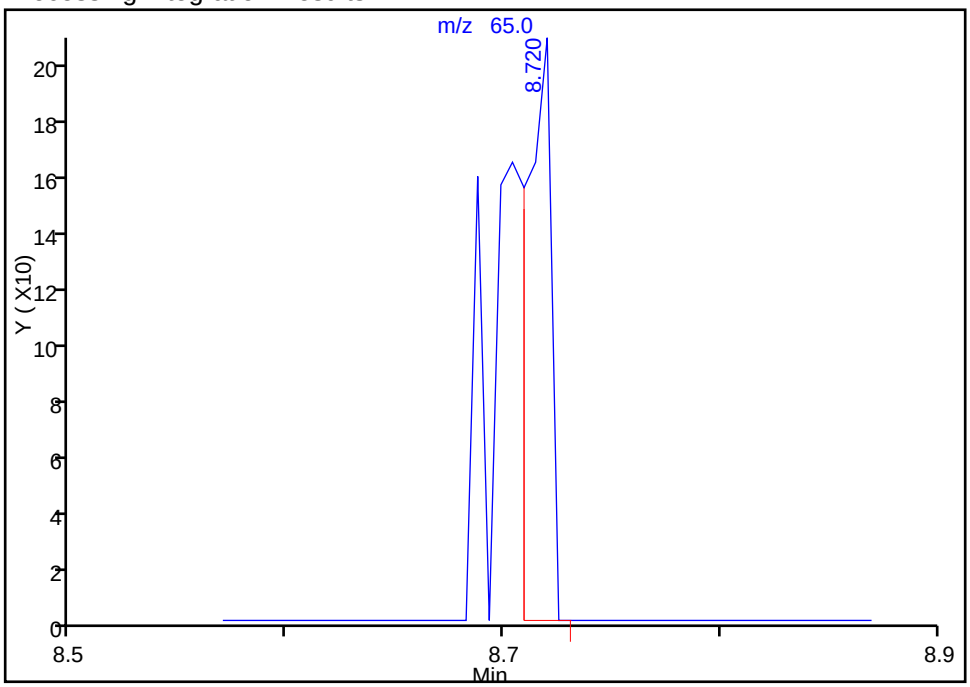
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_04.D
Injection Date: 17-Aug-2015 18:04:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

33 1,1-Dichloroethane, CAS: 75-34-3

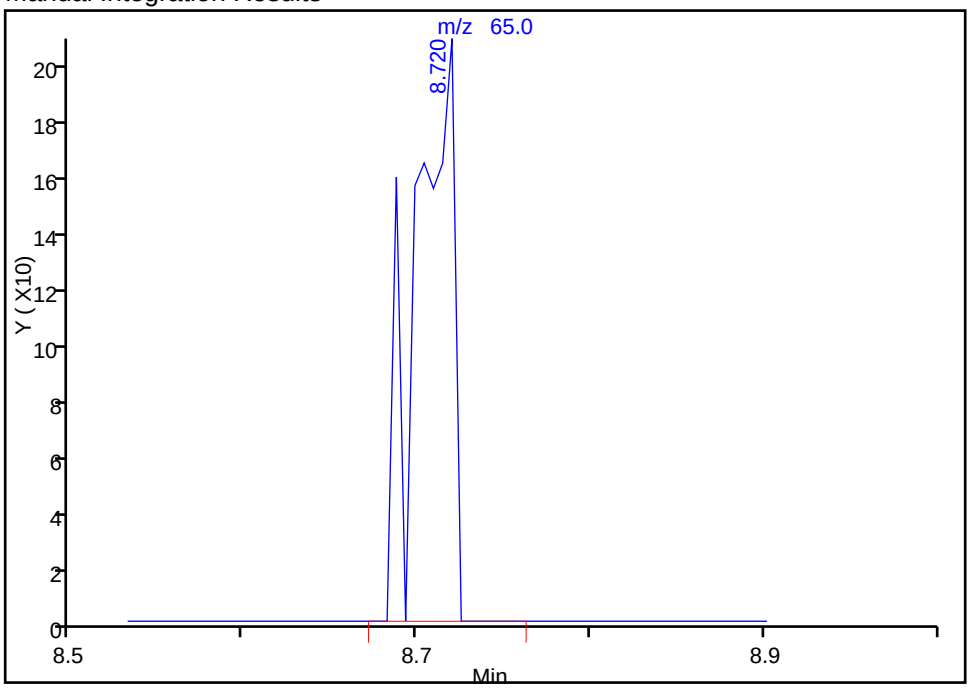
Processing Integration Results

RT: 8.72
Area: 167
Amount: 0.044299
Amount Units: ppb v/v



Manual Integration Results

RT: 8.72
Area: 319
Amount: 0.044299
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:13:22
Audit Action: Manually Integrated
Audit Reason: Baseline

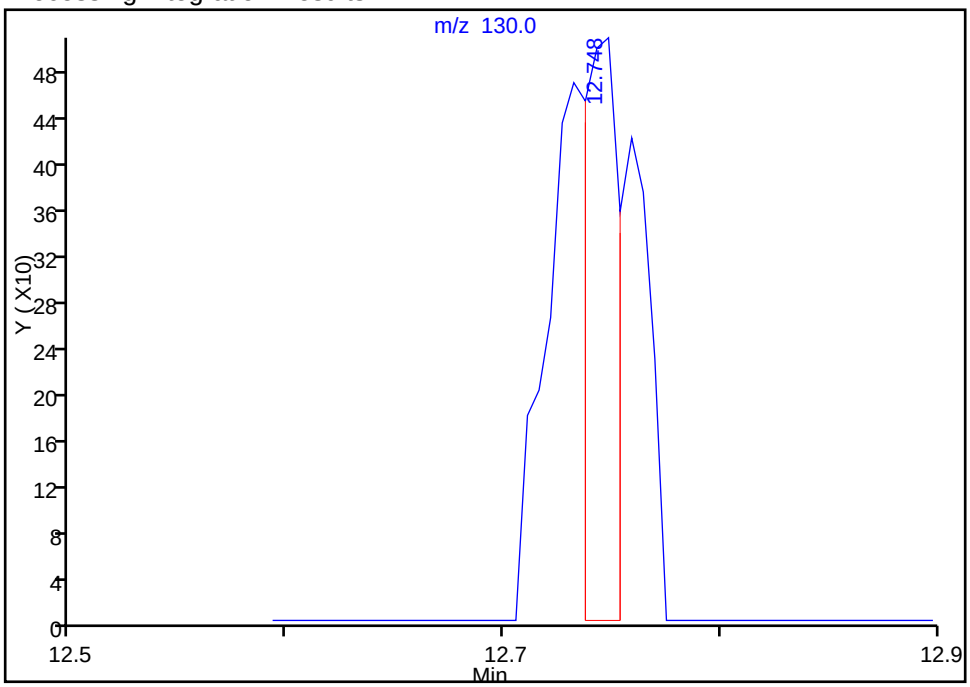
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_04.D
Injection Date: 17-Aug-2015 18:04:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

52 Trichloroethene, CAS: 79-01-6

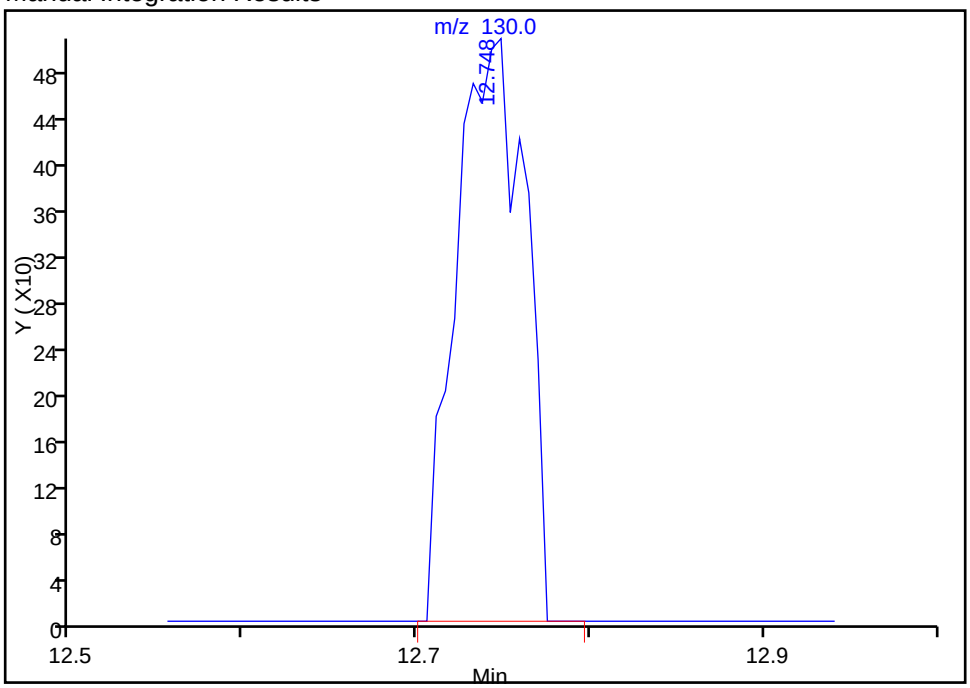
Processing Integration Results

RT: 12.75
Area: 581
Amount: 0.046885
Amount Units: ppb v/v



Manual Integration Results

RT: 12.75
Area: 1402
Amount: 0.046885
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:13:22
Audit Action: Manually Integrated
Audit Reason: Baseline

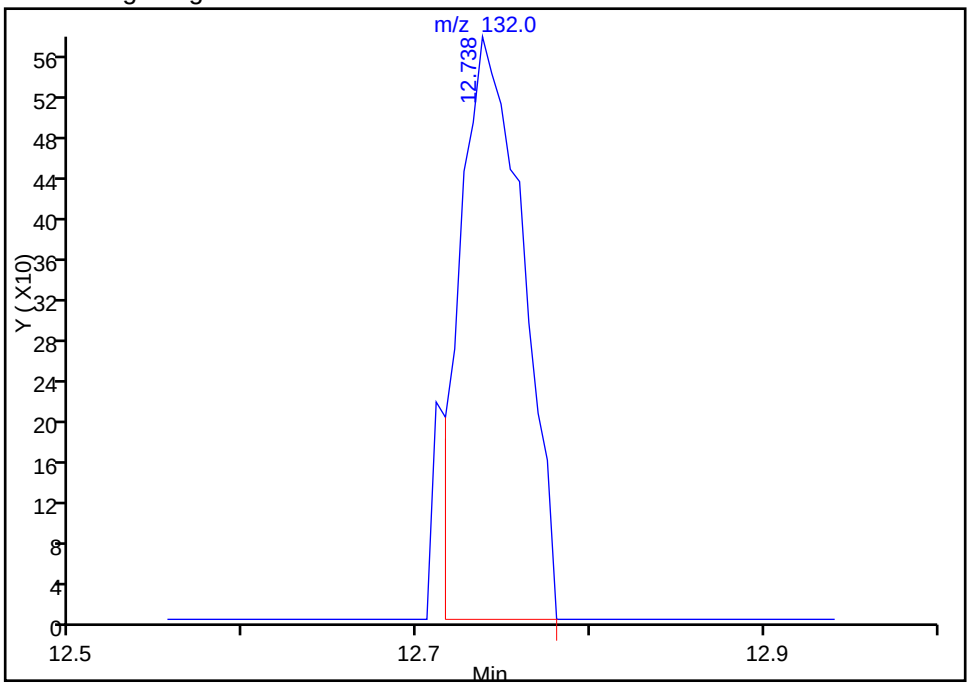
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_04.D
Injection Date: 17-Aug-2015 18:04:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

52 Trichloroethene, CAS: 79-01-6

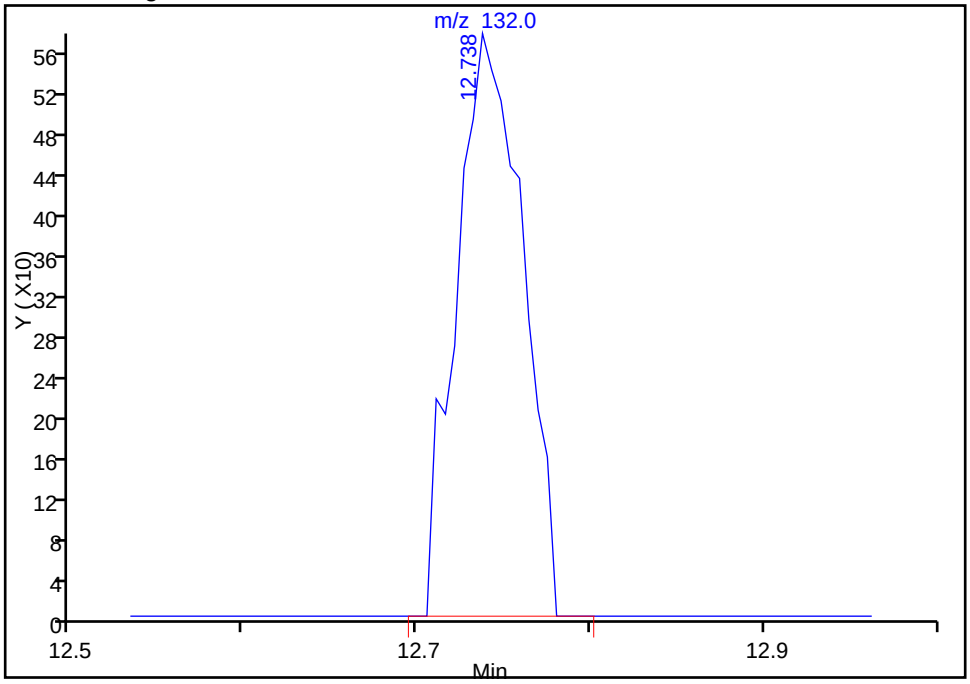
Processing Integration Results

RT: 12.74
Area: 1450
Amount: 0.046885
Amount Units: ppb v/v



Manual Integration Results

RT: 12.74
Area: 1519
Amount: 0.046885
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:13:22
Audit Action: Manually Integrated
Audit Reason: Baseline

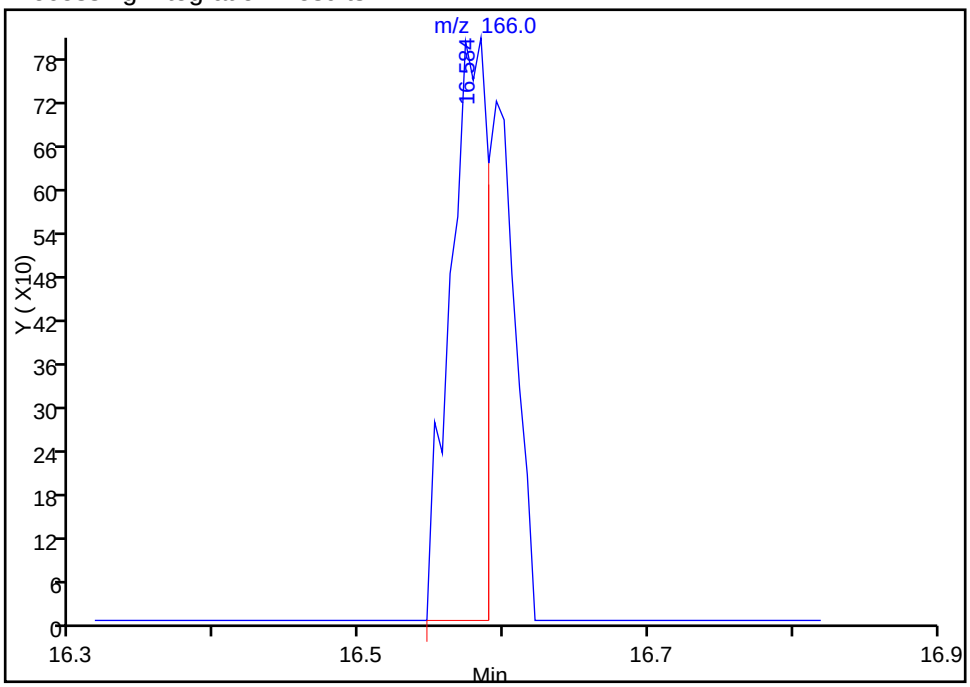
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_04.D
Injection Date: 17-Aug-2015 18:04:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

69 Tetrachloroethene, CAS: 127-18-4

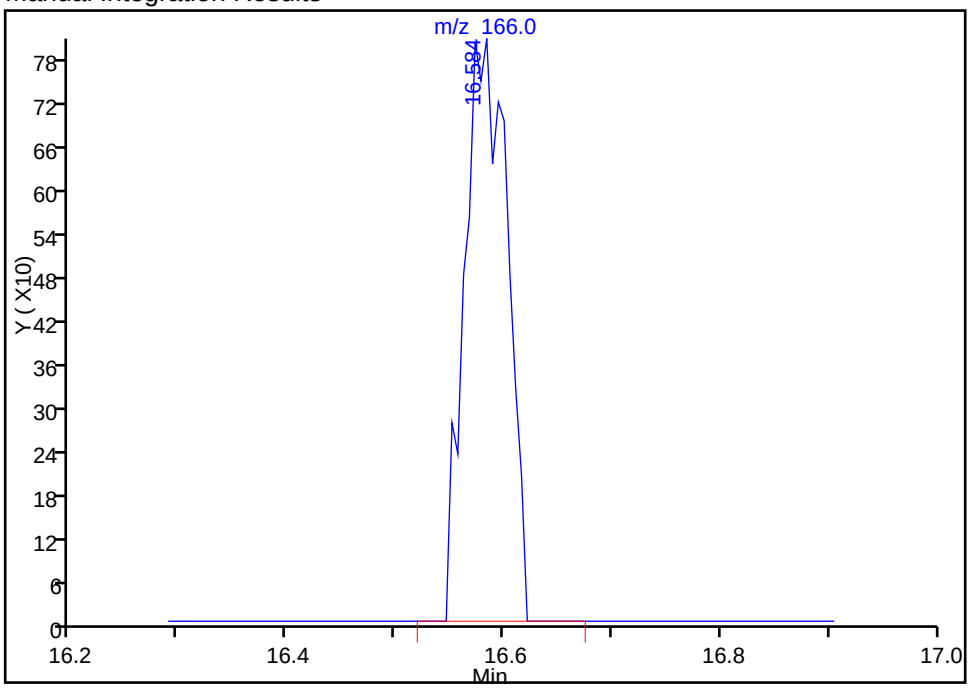
Processing Integration Results

RT: 16.58
Area: 1458
Amount: 0.030973
Amount Units: ppb v/v



Manual Integration Results

RT: 16.58
Area: 2234
Amount: 0.045138
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:13:22
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Aug-2015 18:54:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-005
Misc. Info.: ic-02
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:26 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:17:28

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	3.092	3.092	0.000	84	3764	0.2002	0.5041	
2 Dichlorodifluoromethane	85	3.167	3.161	0.006	98	7712	0.2002	0.2206	
3 Chlorodifluoromethane	51	3.215	3.209	0.006	95	3790	0.2002	0.2241	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.424	3.423	0.001	89	7340	0.2002	0.2065	
5 Chloromethane	50	3.568	3.563	0.005	97	2366	0.2002	0.2405	
6 Butane	43	3.761	3.755	0.006	99	4324	0.2002	0.2676	
7 Vinyl chloride	62	3.803	3.803	0.000	95	2751	0.2002	0.2217	
8 Butadiene	54	3.878	3.878	0.000	92	1811	0.2002	0.2032	
9 Bromomethane	94	4.547	4.547	0.000	95	2883	0.2002	0.2052	
10 Chloroethane	64	4.777	4.777	0.000	82	1187	0.2002	0.1894	
11 2-Methylbutane	43	4.841	4.841	0.000	83	2913	0.2002	0.2518	
12 Vinyl bromide	106	5.157	5.157	0.000	94	3330	0.2002	0.2054	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	96	8046	0.2002	0.2087	
14 Pentane	43	5.376	5.376	0.000	93	4490	0.2002	0.2440	
15 Ethanol	45	5.831	5.804	0.027	99	7513	2.00	1.95	
16 Ethyl ether	59	5.922	5.895	0.027	85	1517	0.2002	0.1874	
17 Acrolein	56	6.296	6.280	0.016	44	754	0.2002	0.2476	
18 1,1,2-Trichloro-1,2,2-trif	101	6.286	6.286	0.000	92	6670	0.2002	0.2161	
20 1,1-Dichloroethene	96	6.339	6.344	-0.005	86	2899	0.2002	0.2009	
21 Acetone	43	6.612	6.585	0.027	91	8413	0.2002	0.5348	
22 Carbon disulfide	76	6.735	6.740	-0.005	97	7868	0.2002	0.2146	
23 Isopropyl alcohol	45	6.922	6.863	0.059	43	3912	0.2002	0.2624	
24 3-Chloro-1-propene	41	7.115	7.115	0.000	91	2737	0.2002	0.2248	M
25 Acetonitrile	41	7.275	7.265	0.010	95	1972	0.2002	0.2644	M
26 Methylene Chloride	49	7.409	7.409	0.000	83	4786	0.2002	0.3613	
28 2-Methyl-2-propanol	59	7.698	7.639	0.059	95	5316	0.2002	0.2224	M
29 Methyl tert-butyl ether	73	7.858	7.800	0.058	96	8336	0.2002	0.2089	
30 trans-1,2-Dichloroethene	61	7.832	7.837	-0.005	87	3908	0.2002	0.2109	
31 Acrylonitrile	53	8.008	8.003	0.005	95	1820	0.2002	0.2117	M
32 Hexane	57	8.206	8.201	0.005	89	4353	0.2002	0.2212	

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	8.709	8.709	0.000	97	4996	0.2002	0.1997	
34 Vinyl acetate	43	8.779	8.773	0.006	99	6316	0.2002	0.2153	
35 cis-1,2-Dichloroethene	96	9.811	9.816	-0.005	91	3831	0.2002	0.2104	M
36 2-Butanone (MEK)	72	9.891	9.865	0.026	96	2092	0.2002	0.2506	
37 Ethyl acetate	88		9.897				ND	ND	
S 38 1,2-Dichloroethene, Total	61				0		0.4004	0.4213	
* 40 Chlorobromomethane	128	10.282	10.282	0.000	77	179741	10.0	10.0	
39 Tetrahydrofuran	42	10.325	10.287	0.038	88	3096	0.2002	0.2205	
41 Chloroform	83	10.400	10.410	-0.010	98	7080	0.2002	0.2120	
42 Cyclohexane	84	10.651	10.656	-0.005	86	5156	0.2002	0.2090	M
43 1,1,1-Trichloroethane	97	10.688	10.688	0.000	95	7236	0.2002	0.2014	M
44 Carbon tetrachloride	117	10.924	10.934	-0.010	94	7250	0.2002	0.1937	
45 Isooctane	57	11.357	11.362	-0.005	99	16933	0.2002	0.2054	
46 Benzene	78	11.421	11.416	0.005	93	12116	0.2002	0.2106	
47 1,2-Dichloroethane	62	11.603	11.609	-0.006	95	4190	0.2002	0.2075	M
48 n-Heptane	43	11.742	11.753	-0.011	85	5858	0.2002	0.2110	M
* 50 1,4-Difluorobenzene	114	12.261	12.267	-0.006	92	985358	10.0	10.0	
51 n-Butanol	56	12.716	12.668	0.048	81	2386	0.2002	0.2493	M
52 Trichloroethene	95	12.737	12.743	-0.006	94	5905	0.2002	0.2037	
53 1,2-Dichloropropane	63	13.331	13.336	-0.005	94	4419	0.2002	0.2021	M
54 Methyl methacrylate	69	13.502	13.492	0.010	80	4430	0.2002	0.2033	
55 1,4-Dioxane	88	13.609	13.567	0.042	49	3290	0.2002	0.3045	
56 Dibromomethane	174	13.604	13.609	-0.005	88	7879	0.2002	0.2260	
57 Dichlorobromomethane	83	13.904	13.909	-0.005	96	7721	0.2002	0.1880	M
58 cis-1,3-Dichloropropene	75	14.872	14.877	-0.005	87	6642	0.2002	0.1936	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	2916096	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	2916096	0.2002	58.1	
61 4-Methyl-2-pentanone (MIBK	43	15.214	15.177	0.037	91	7779	0.2002	0.2068	
A 63 Toluene Range	1		(15.472-15.492)				NC	ND	
62 Toluene	92	15.482	15.482	0.000	95	10378	0.2002	0.2100	M
A 65 GRO	1	15.514	(15.514-15.514)		0	71308	0.2002	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	85	9312	0.2002	0.2179	M
67 trans-1,3-Dichloropropene	75	16.102	16.102	0.000	91	7682	0.2002	0.2147	M
68 1,1,2-Trichloroethane	83	16.493	16.487	0.006	95	4842	0.2002	0.2100	
69 Tetrachloroethene	166	16.584	16.589	-0.005	95	9626	0.2002	0.1956	
70 2-Hexanone	43	16.969	16.942	0.027	93	6341	0.2002	0.1728	
71 Chlorodibromomethane	129	17.269	17.269	0.000	96	8380	0.2002	0.1758	
72 Ethylene Dibromide	107	17.552	17.552	0.000	97	8833	0.2002	0.1948	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	970659	10.0	10.0	
74 Chlorobenzene	112	18.515	18.520	-0.005	97	14098	0.2002	0.2003	
75 Ethylbenzene	91	18.660	18.659	0.001	97	21560	0.2002	0.2023	
76 n-Nonane	57	18.761	18.761	0.000	84	9701	0.2002	0.2121	
77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	18319	0.4004	0.4077	
78 o-Xylene	106	19.724	19.729	-0.005	94	9032	0.2002	0.2034	
79 Styrene	104	19.778	19.778	0.000	98	13694	0.2002	0.1976	
S 80 Xylenes, Total	106				0		0.6005	0.6111	
81 Bromoform	173	20.190	20.189	0.001	98	6509	0.2002	0.1461	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	25764	0.2002	0.2034	
* 83 4-Bromofluorobenzene	95	20.719	20.724	-0.005	99	654784	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.987	20.992	-0.005	98	12316	0.2002	0.2066	
86 N-Propylbenzene	91	21.046	21.045	0.001	99	30105	0.2002	0.2039	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.083	21.088	-0.005	96	9873	0.2002	0.2172	
88 n-Decane	57	21.190	21.190	0.000	85	12741	0.2002	0.2202	
89 4-Ethyltoluene	105	21.227	21.227	0.000	98	26312	0.2002	0.2055	
90 2-Chlorotoluene	91	21.243	21.243	0.000	96	20902	0.2002	0.2087	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	95	21561	0.2002	0.2040	
92 Alpha Methyl Styrene	118	21.682	21.682	0.000	91	10730	0.2002	0.1926	
93 tert-Butylbenzene	119	21.800	21.800	0.000	96	22029	0.2002	0.2092	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	96	21469	0.2002	0.2027	
95 sec-Butylbenzene	105	22.110	22.110	0.000	99	31149	0.2002	0.2023	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	98	27549	0.2002	0.2032	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	98	16631	0.2002	0.2041	
98 1,4-Dichlorobenzene	146	22.490	22.495	-0.005	97	16984	0.2002	0.2060	
99 Benzyl chloride	91	22.699	22.698	0.001	100	16566	0.2002	0.1921	
100 Undecane	57	22.897	22.896	0.000	74	14318	0.2002	0.2411	
101 n-Butylbenzene	91	22.902	22.902	0.000	95	25035	0.2002	0.2194	
102 1,2-Dichlorobenzene	146	23.052	23.052	0.000	99	15918	0.2002	0.2061	
103 Dodecane	57	24.550	24.549	0.001	93	12925	0.2002	0.2383	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	93	14009	0.2002	0.1966	
105 Hexachlorobutadiene	225	25.871	25.871	0.000	97	13607	0.2002	0.2052	
106 Naphthalene	128	26.219	26.219	0.000	99	25490	0.2002	0.1868	
107 1,2,3-Trichlorobenzene	180	26.732	26.727	0.005	95	13086	0.2002	0.1986	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

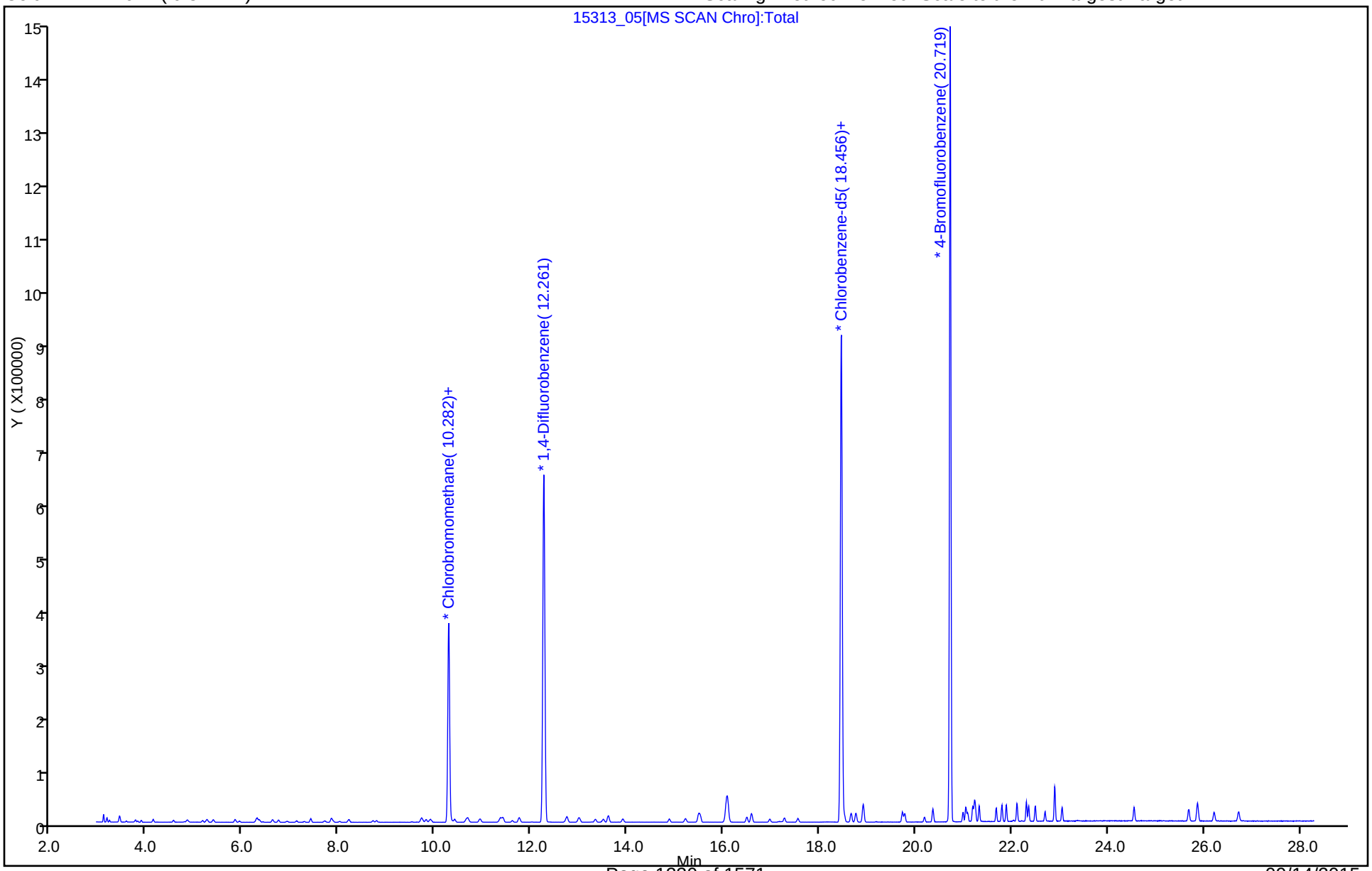
ATTO15CAL2w_00192	Amount Added: 80.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D

Injection Date:	17-Aug-2015 18:54:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

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



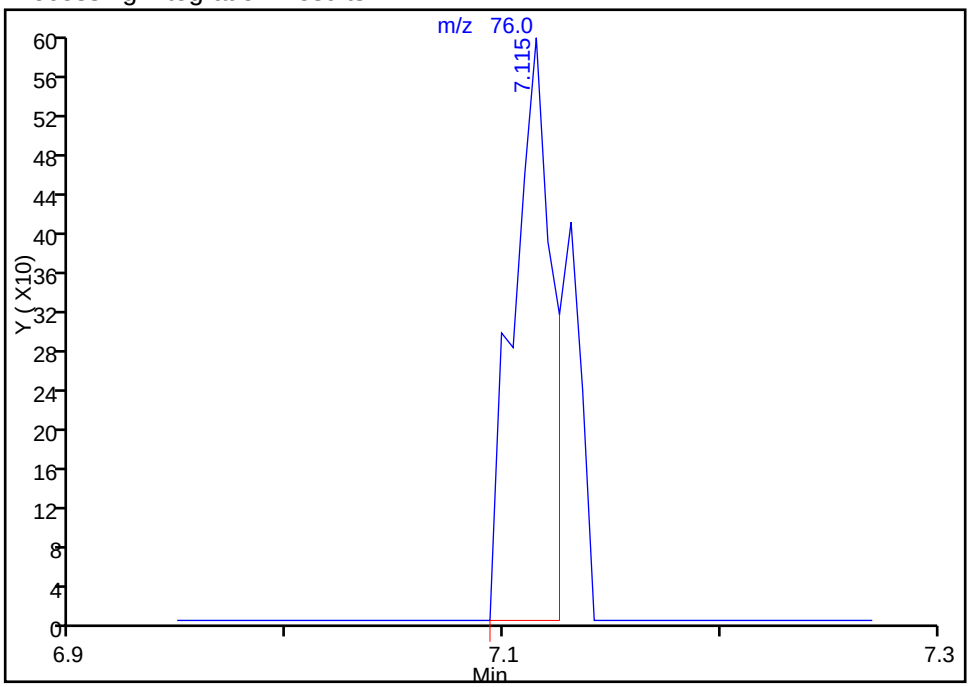
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D				
Injection Date:	17-Aug-2015 18:54:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

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

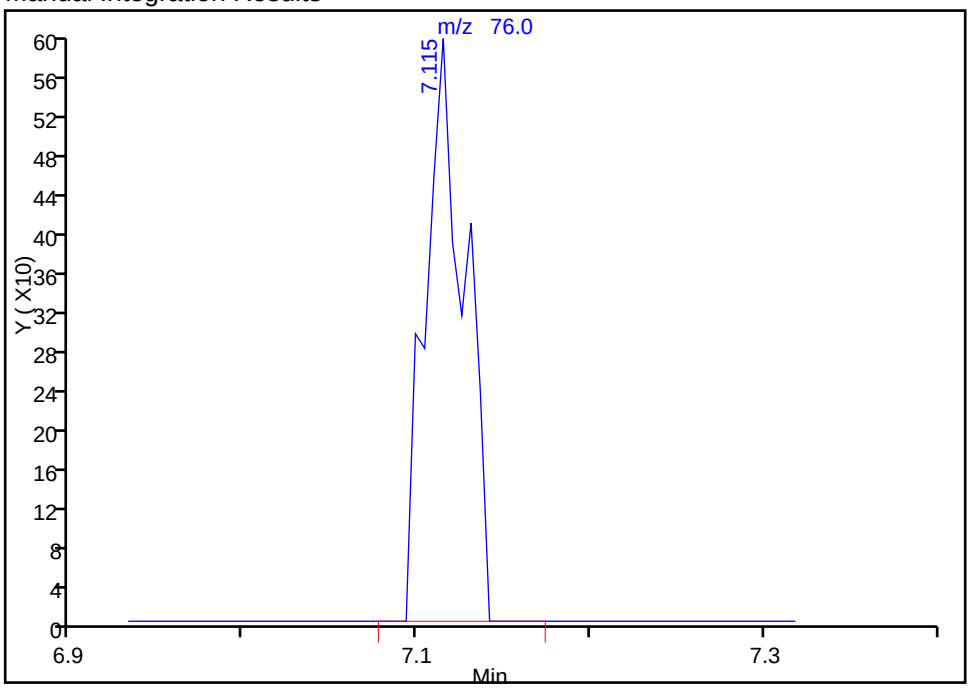
Processing Integration Results

RT: 7.11
Area: 751
Amount: 0.224758
Amount Units: ppb v/v



Manual Integration Results

RT: 7.11
Area: 959
Amount: 0.224758
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

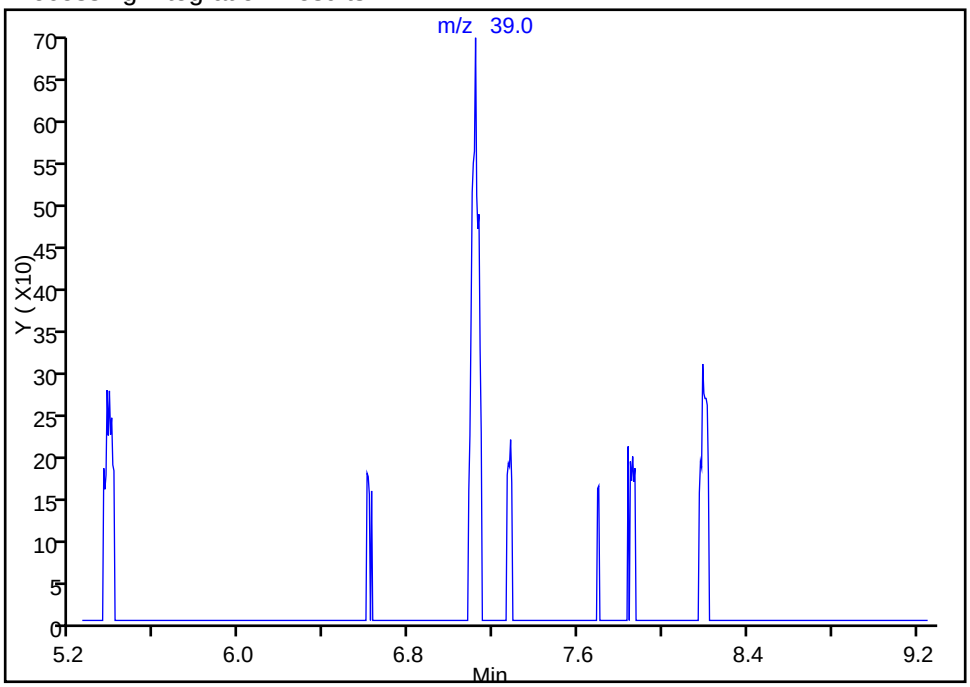
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 Acetonitrile, CAS: 75-05-8

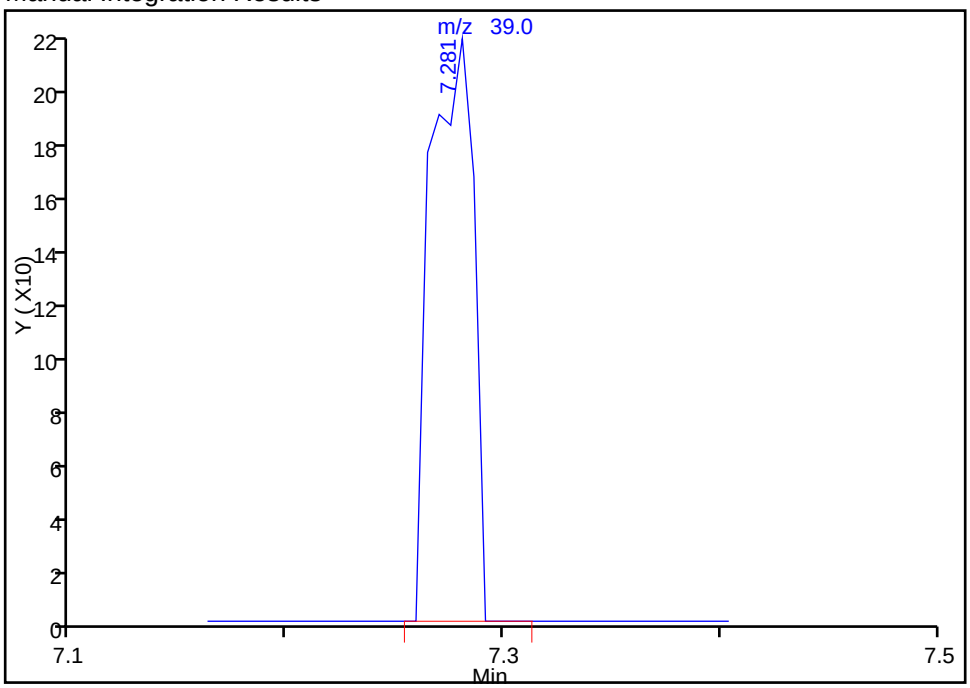
Processing Integration Results

RT: 7.25
Area: 0
Amount: 0.264435
Amount Units: ppb v/v



Manual Integration Results

RT: 7.28
Area: 296
Amount: 0.264435
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

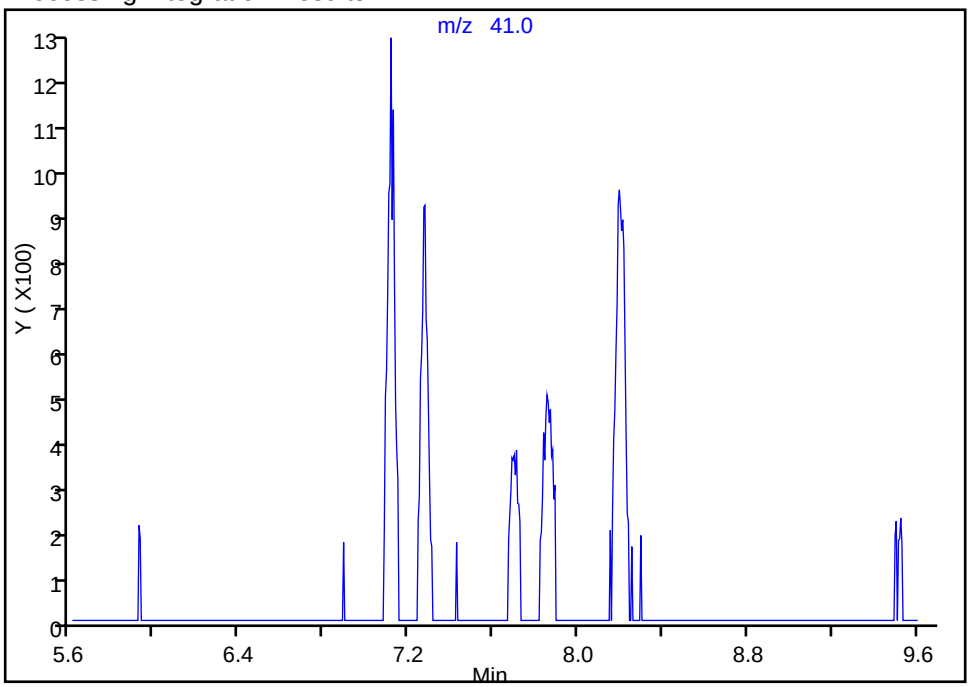
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

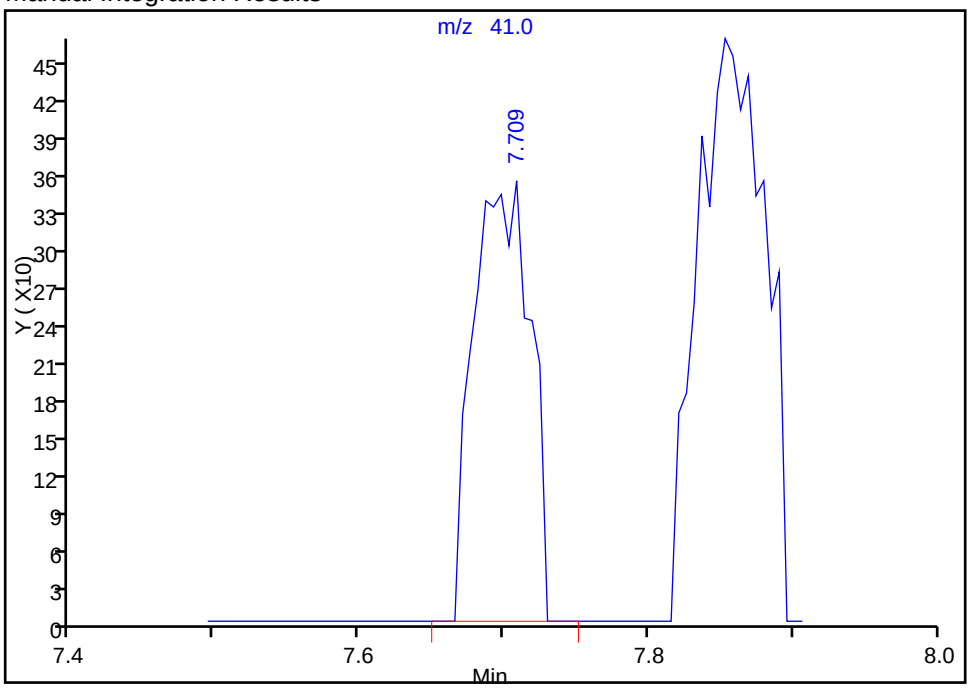
Processing Integration Results

RT: 7.61
Area: 0
Amount: 0.222437
Amount Units: ppb v/v



Manual Integration Results

RT: 7.71
Area: 965
Amount: 0.222437
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

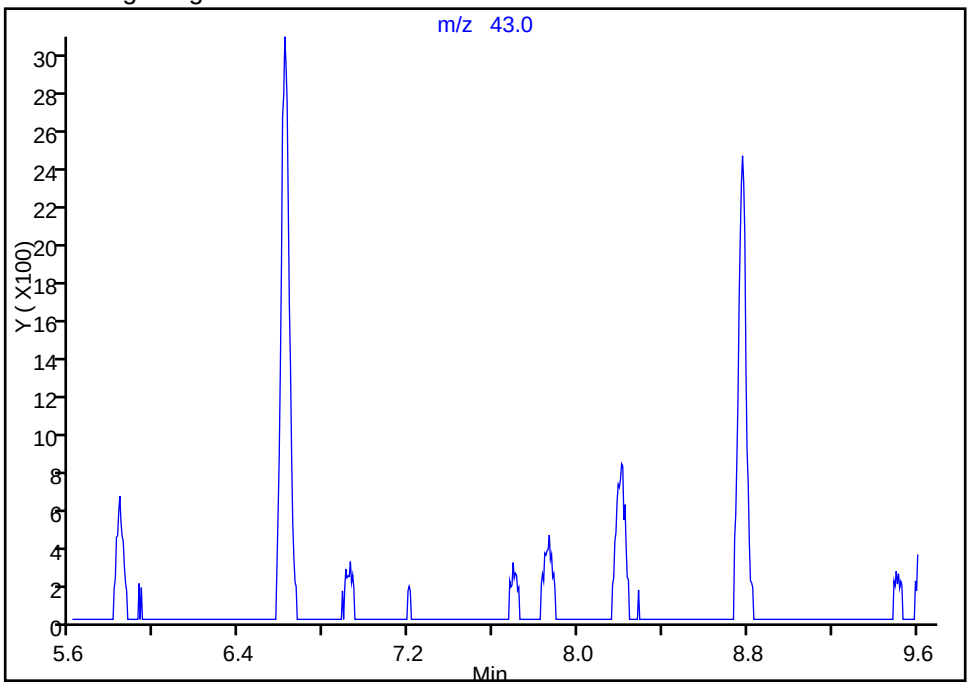
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

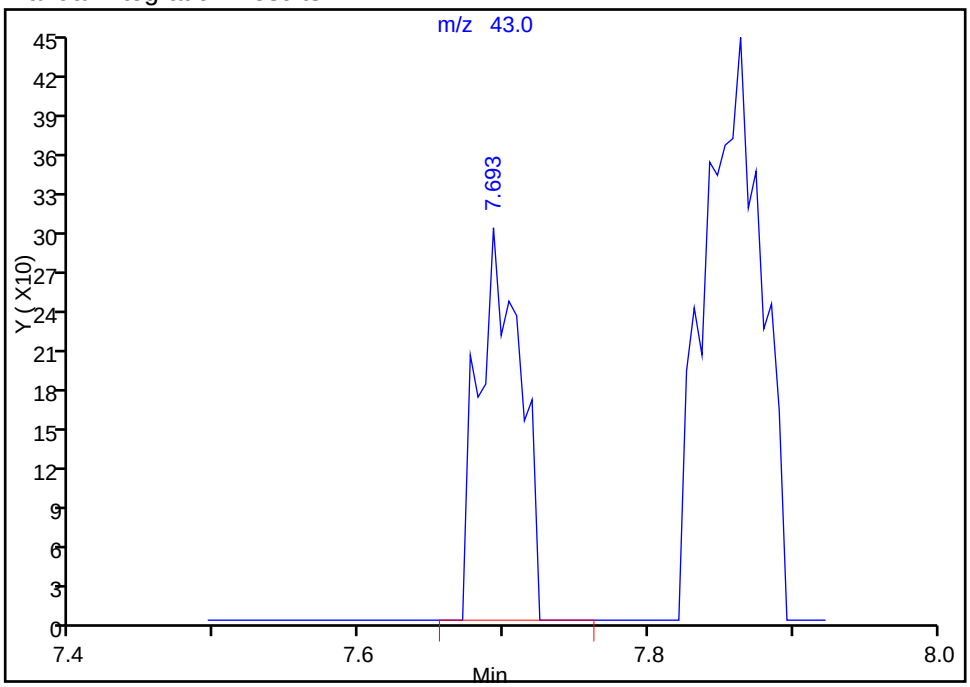
Processing Integration Results

RT: 7.61
Area: 0
Amount: 0.222437
Amount Units: ppb v/v



Manual Integration Results

RT: 7.69
Area: 598
Amount: 0.222437
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

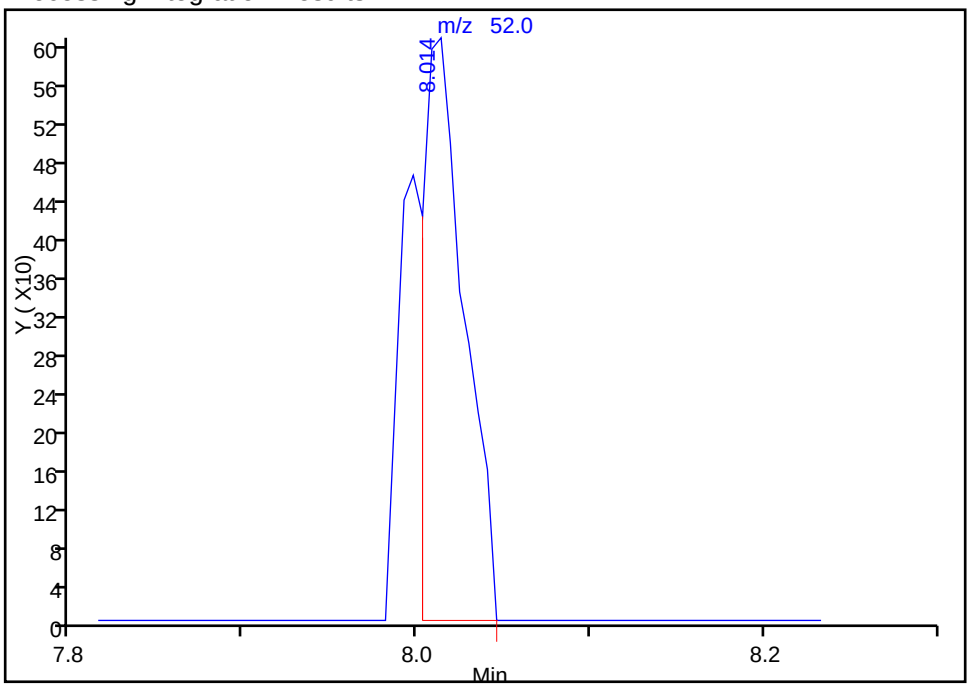
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

31 Acrylonitrile, CAS: 107-13-1

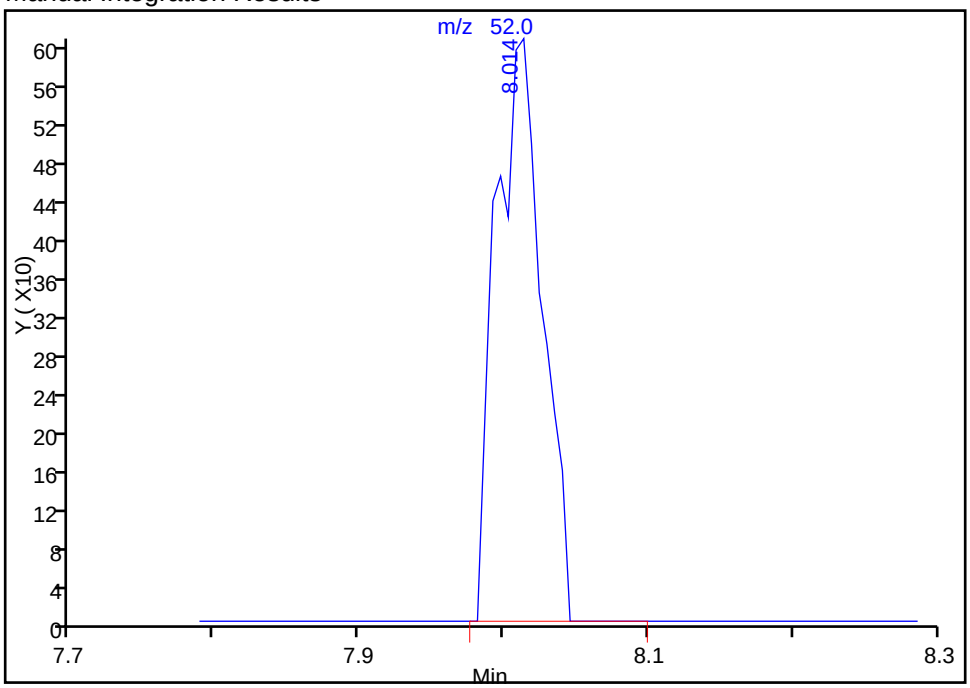
Processing Integration Results

RT: 8.01
Area: 1008
Amount: 0.211666
Amount Units: ppb v/v



Manual Integration Results

RT: 8.01
Area: 1370
Amount: 0.211666
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

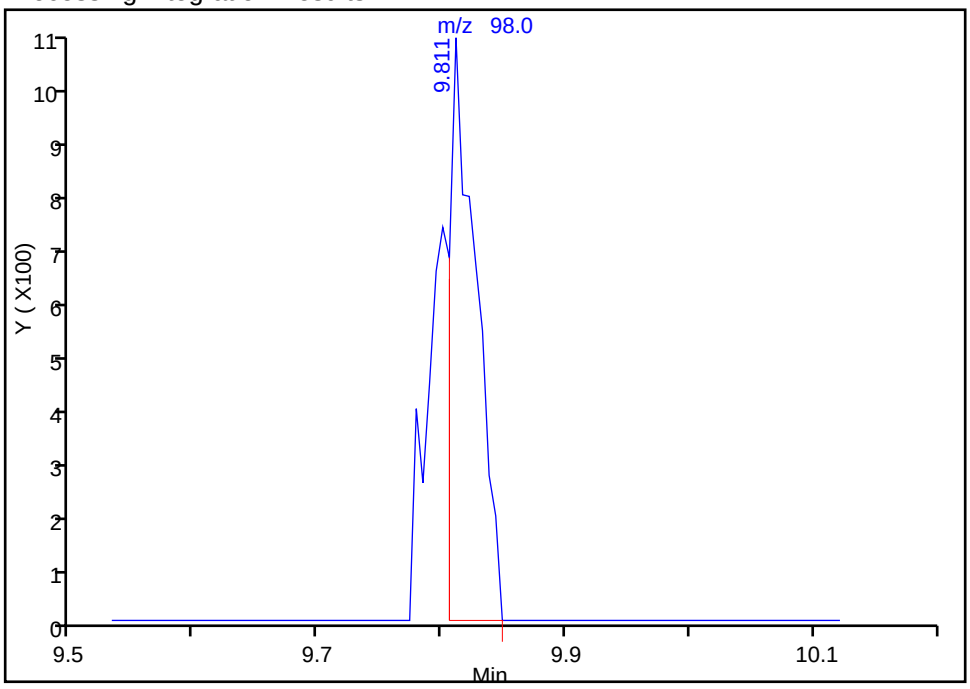
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 cis-1,2-Dichloroethene, CAS: 156-59-2

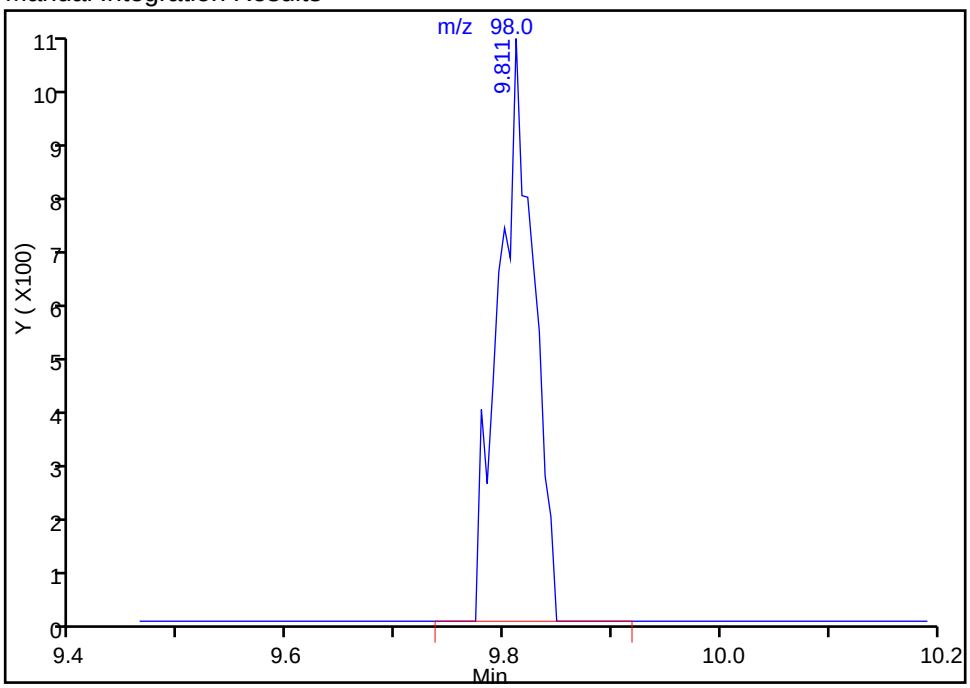
Processing Integration Results

RT: 9.81
Area: 1594
Amount: 0.210408
Amount Units: ppb v/v



Manual Integration Results

RT: 9.81
Area: 2382
Amount: 0.210408
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

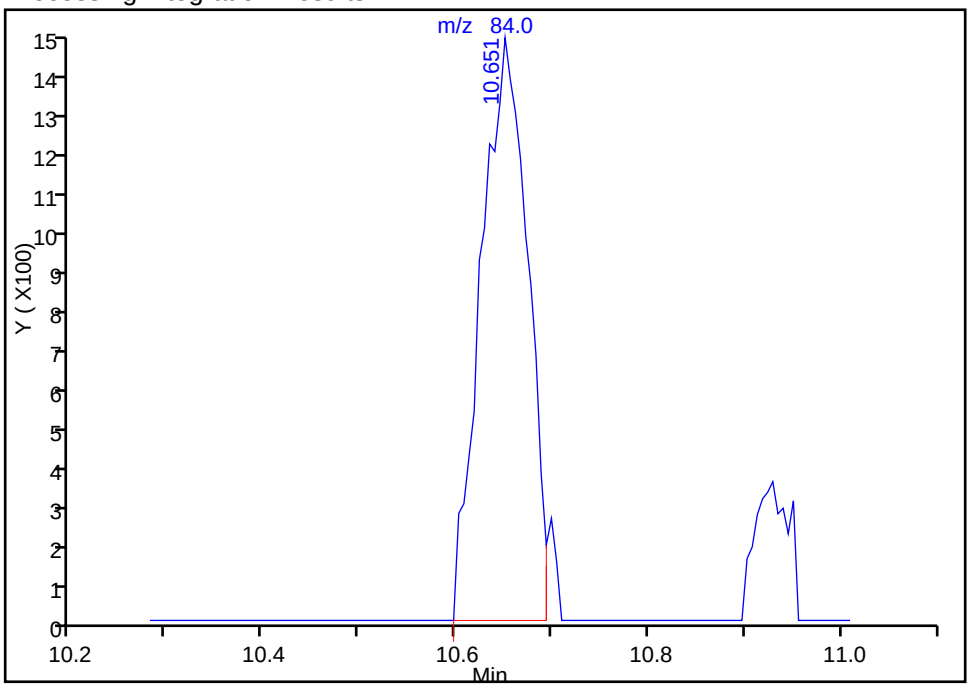
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D				
Injection Date:	17-Aug-2015 18:54:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Cyclohexane, CAS: 110-82-7

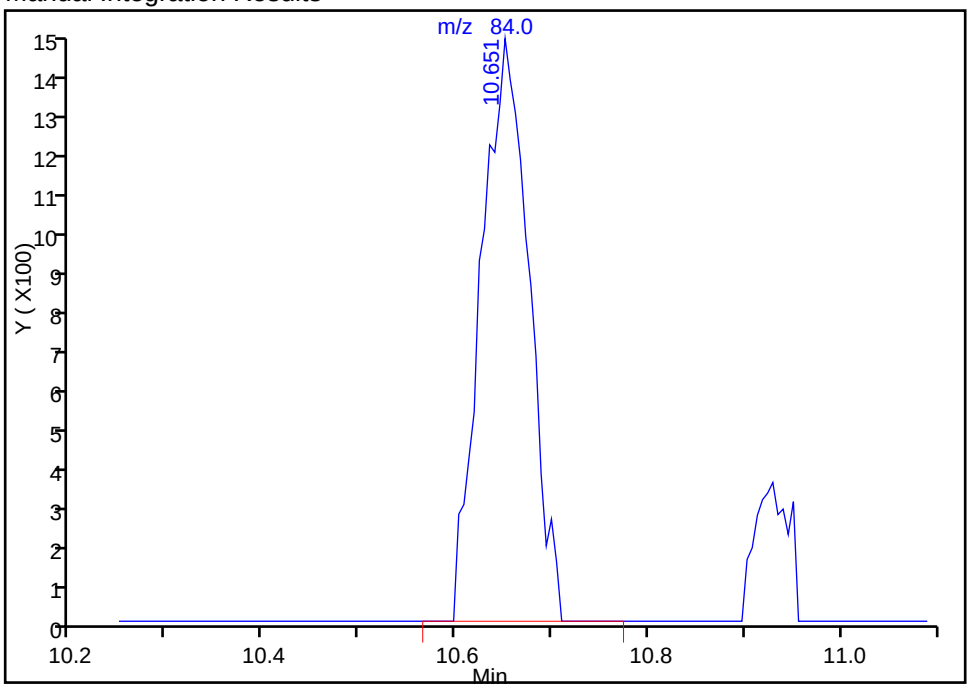
Processing Integration Results

RT: 10.65
Area: 5023
Amount: 0.216315
Amount Units: ppb v/v



Manual Integration Results

RT: 10.65
Area: 5156
Amount: 0.209049
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

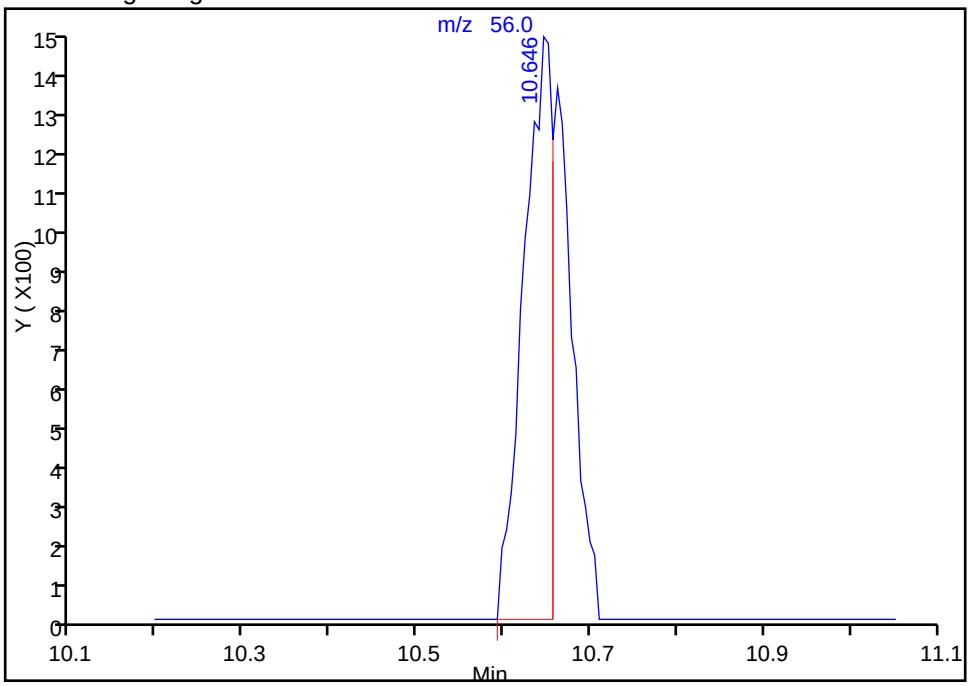
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D				
Injection Date:	17-Aug-2015 18:54:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Cyclohexane, CAS: 110-82-7

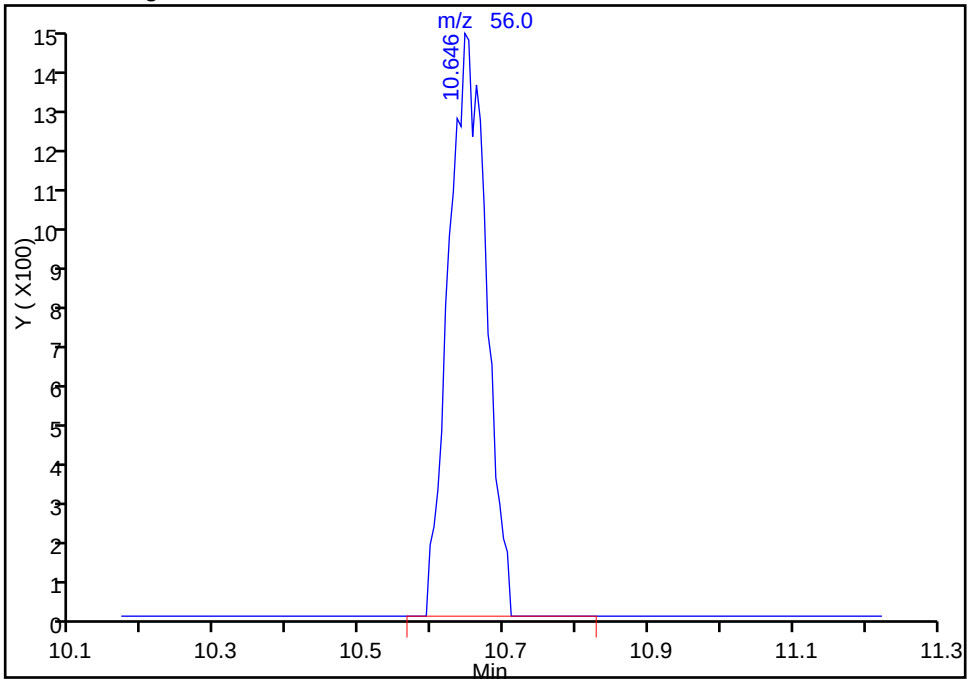
Processing Integration Results

RT: 10.65
Area: 3262
Amount: 0.216315
Amount Units: ppb v/v



Manual Integration Results

RT: 10.65
Area: 5091
Amount: 0.209049
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

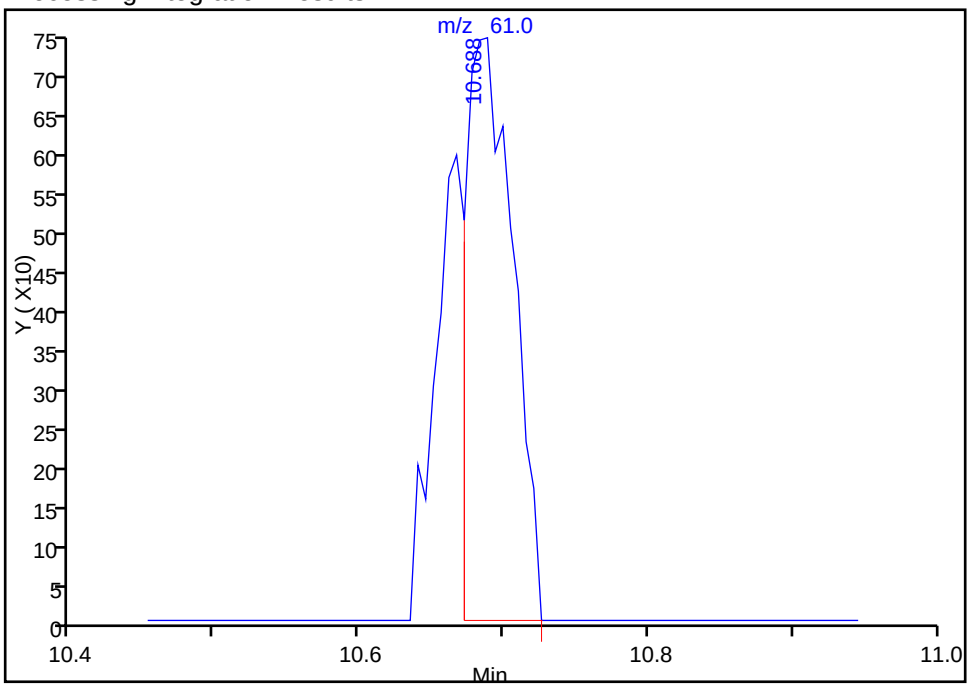
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

43 1,1,1-Trichloroethane, CAS: 71-55-6

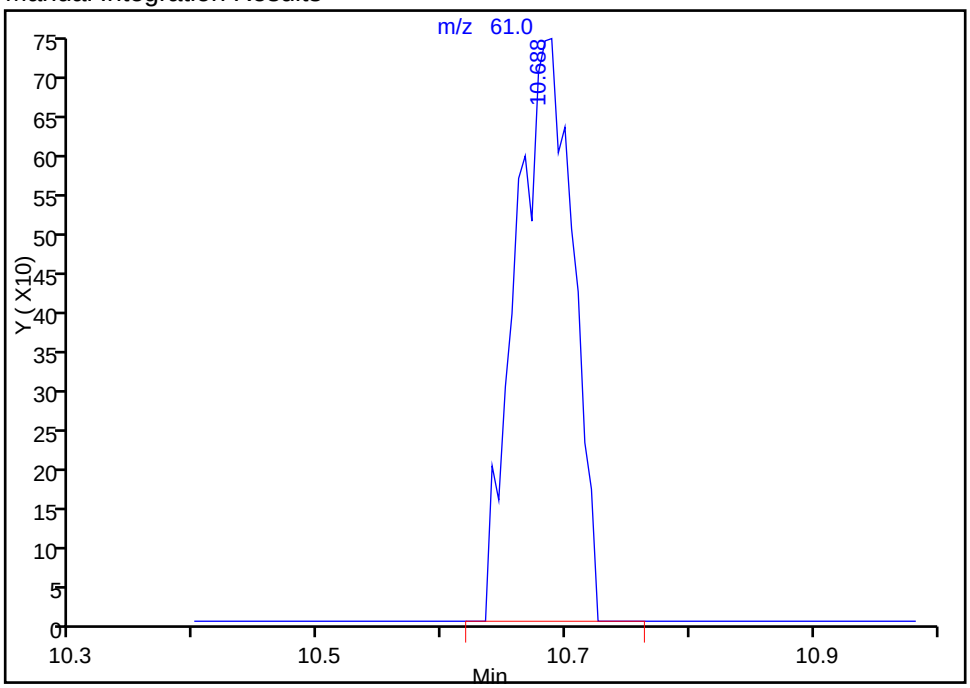
Processing Integration Results

RT: 10.69
Area: 1697
Amount: 0.201430
Amount Units: ppb v/v



Manual Integration Results

RT: 10.69
Area: 2410
Amount: 0.201430
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

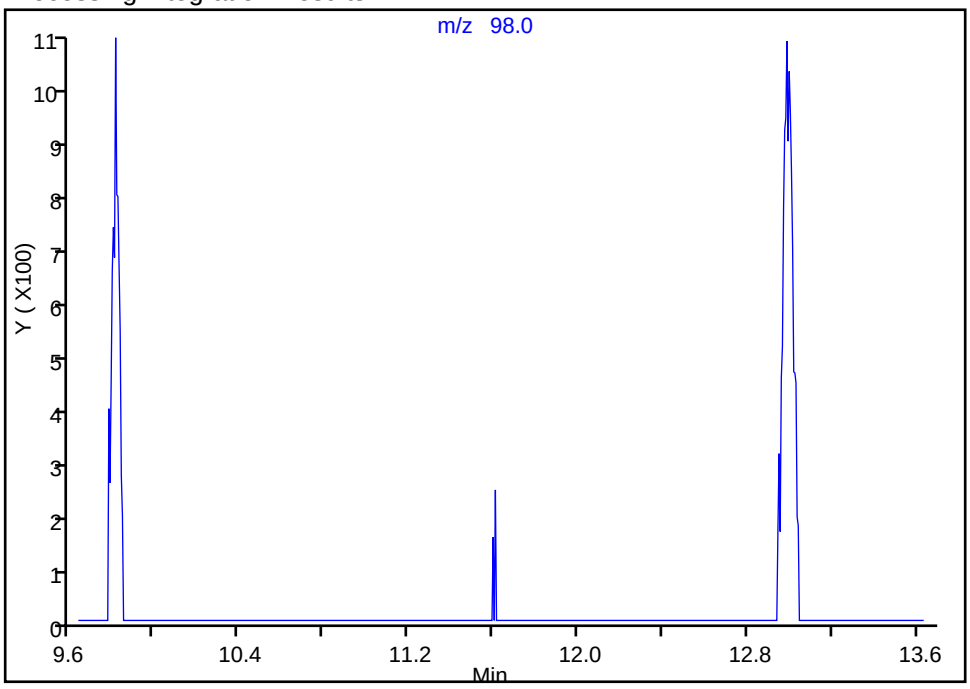
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,2-Dichloroethane, CAS: 107-06-2

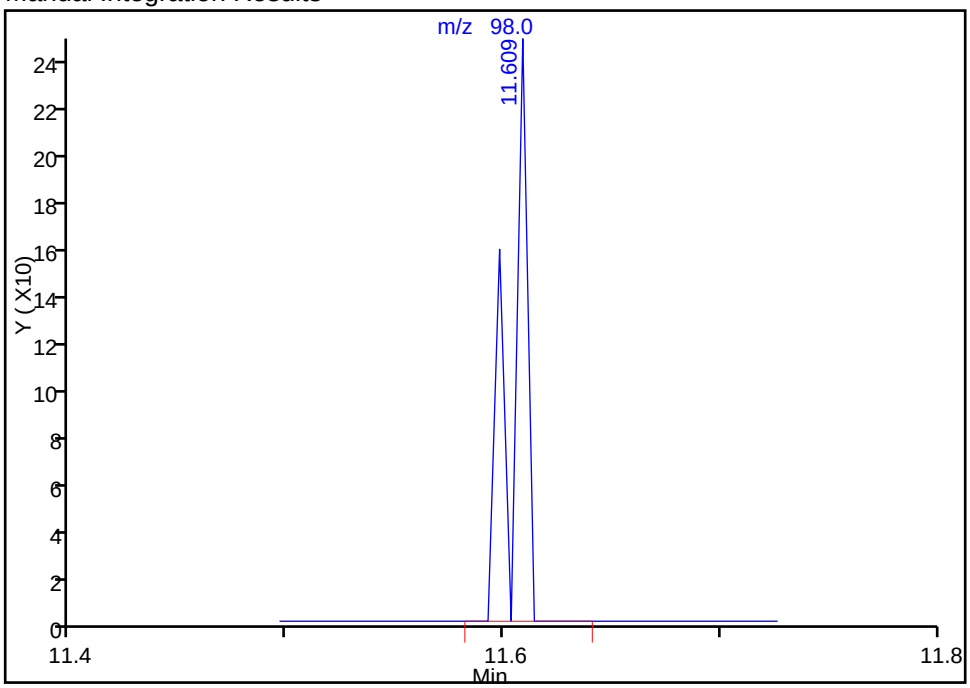
Processing Integration Results

RT: 11.64
Area: 0
Amount: 0.207511
Amount Units: ppb v/v



Manual Integration Results

RT: 11.61
Area: 127
Amount: 0.207511
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

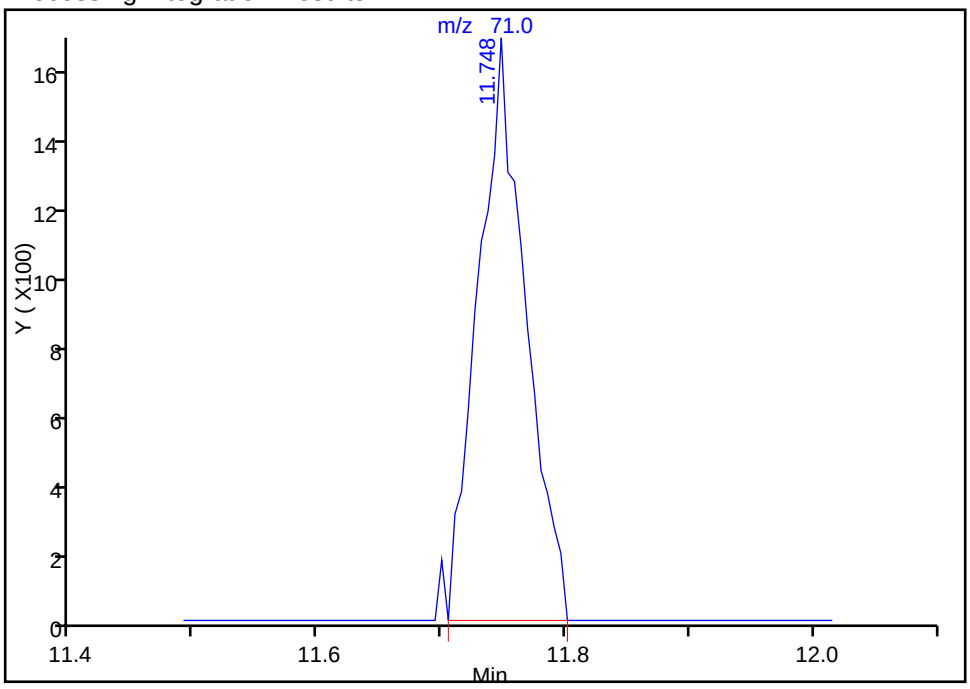
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

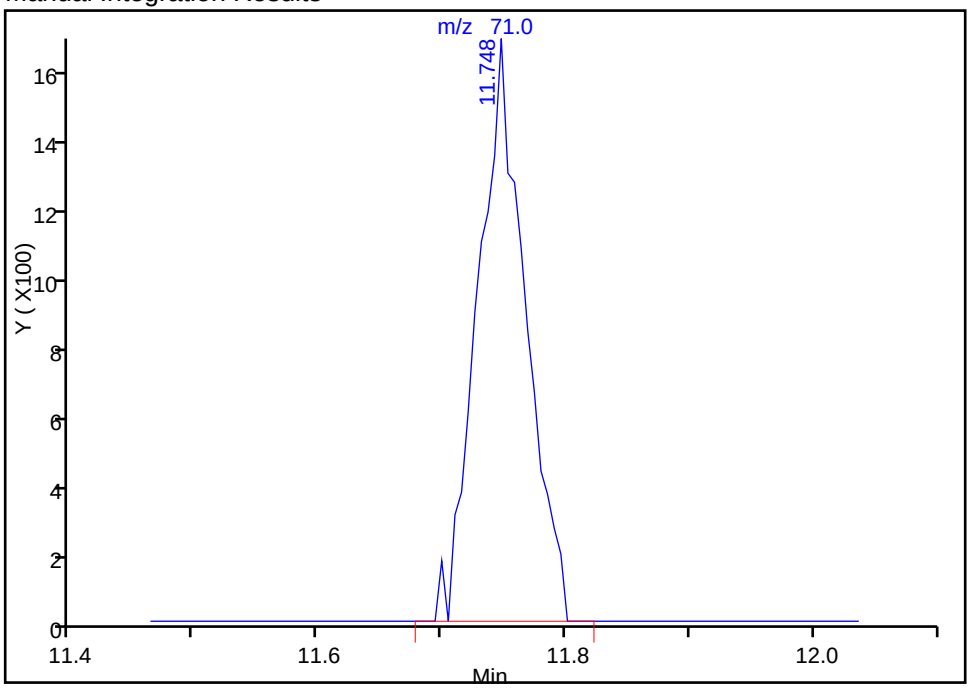
Processing Integration Results

RT: 11.75
Area: 4264
Amount: 0.211024
Amount Units: ppb v/v



Manual Integration Results

RT: 11.75
Area: 4318
Amount: 0.211024
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

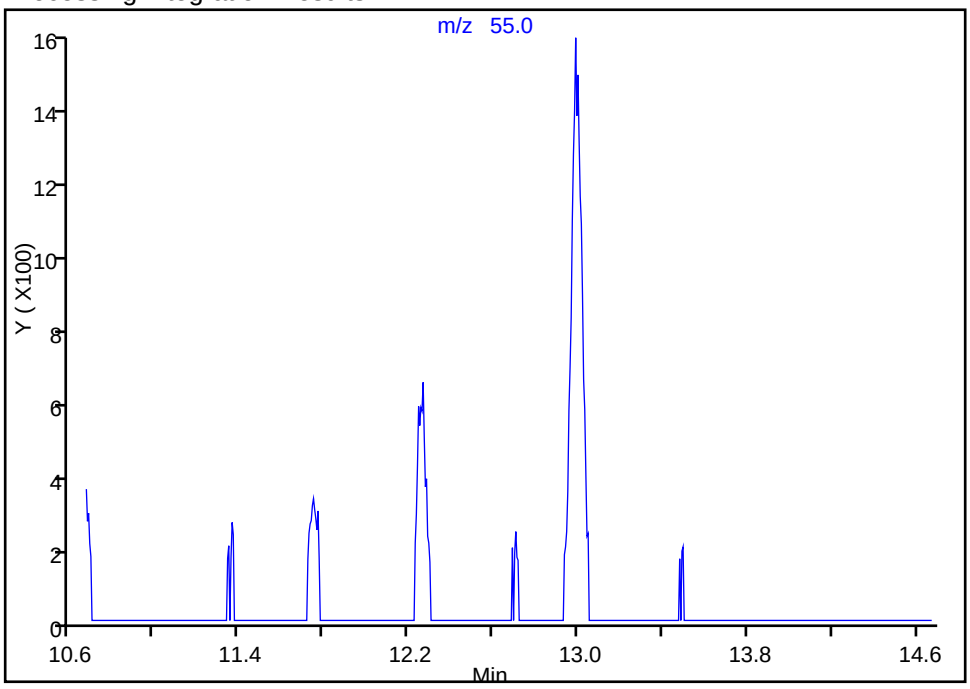
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

51 n-Butanol, CAS: 71-36-3

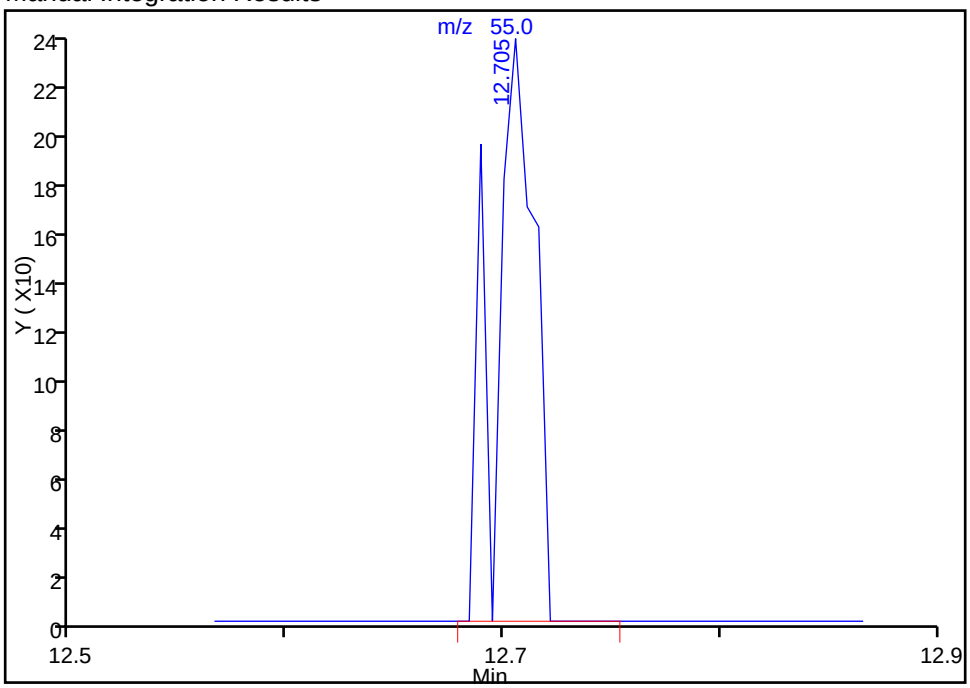
Processing Integration Results

RT: 12.67
Area: 0
Amount: 0.249299
Amount Units: ppb v/v



Manual Integration Results

RT: 12.71
Area: 295
Amount: 0.249299
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

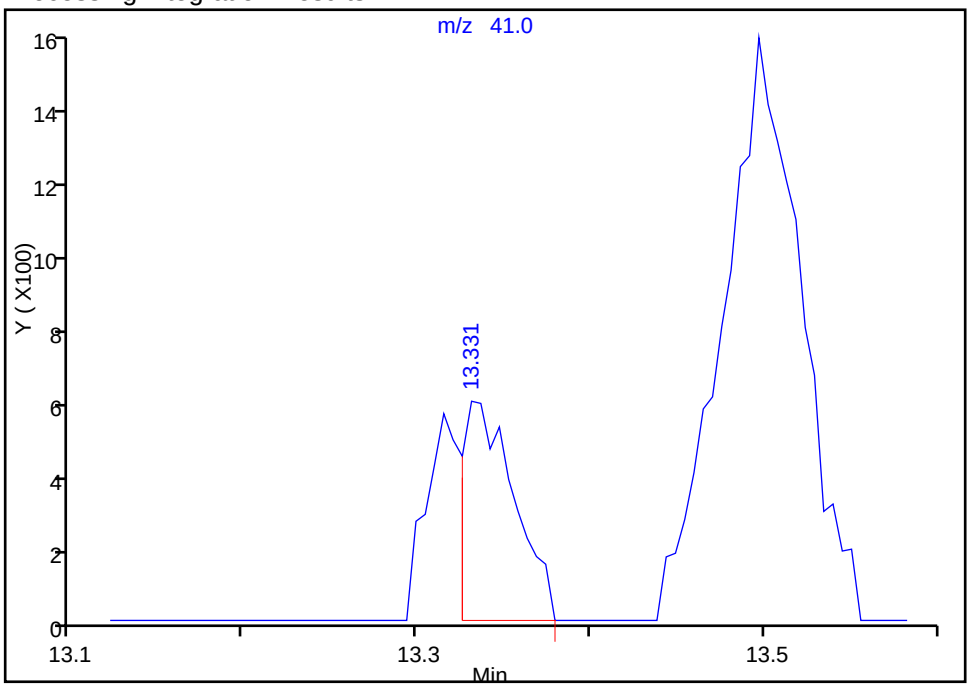
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 1,2-Dichloropropane, CAS: 78-87-5

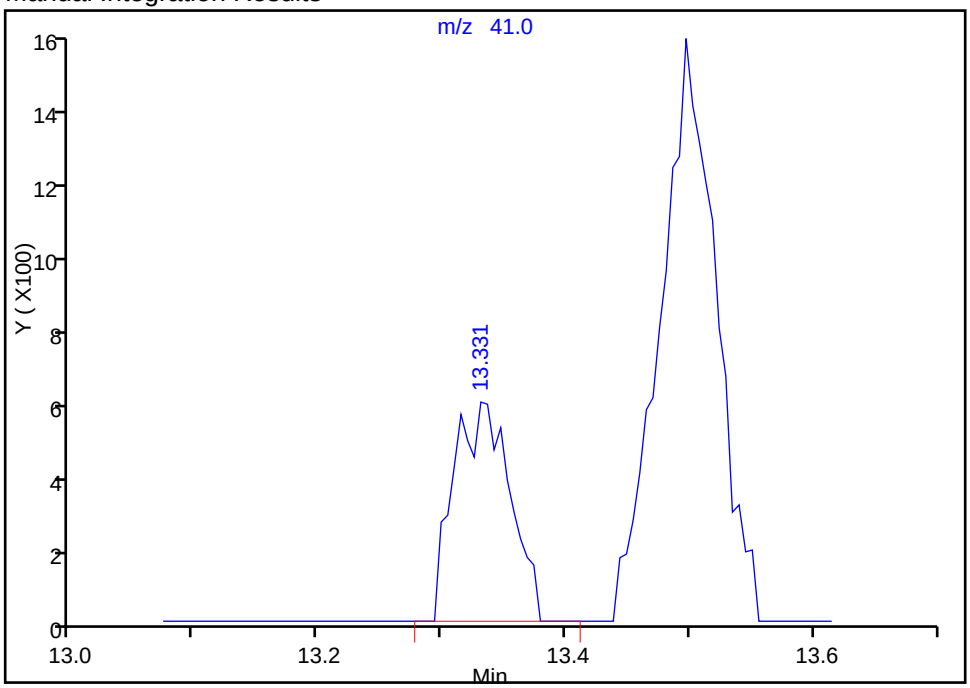
Processing Integration Results

RT: 13.33
Area: 1240
Amount: 0.202136
Amount Units: ppb v/v



Manual Integration Results

RT: 13.33
Area: 1894
Amount: 0.202136
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

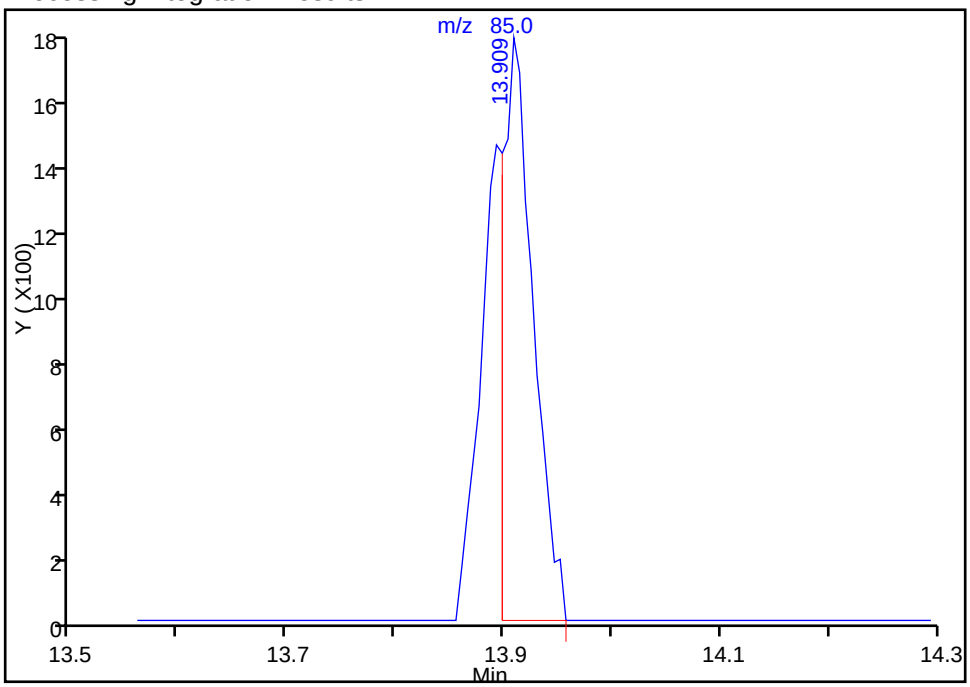
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

57 Dichlorobromomethane, CAS: 75-27-4

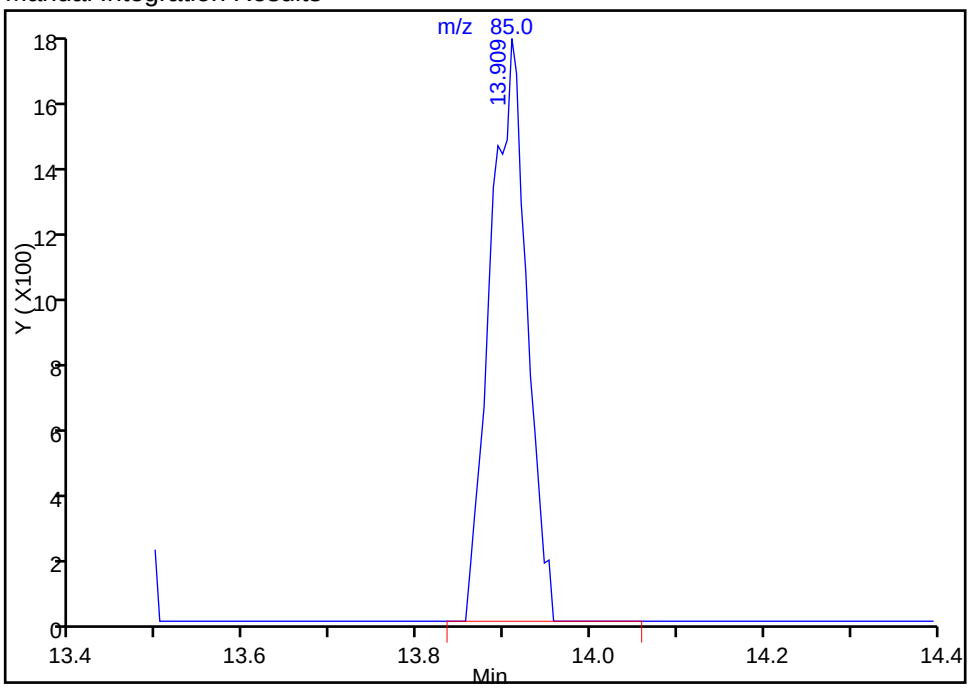
Processing Integration Results

RT: 13.91
Area: 3363
Amount: 0.188029
Amount Units: ppb v/v



Manual Integration Results

RT: 13.91
Area: 5056
Amount: 0.188029
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

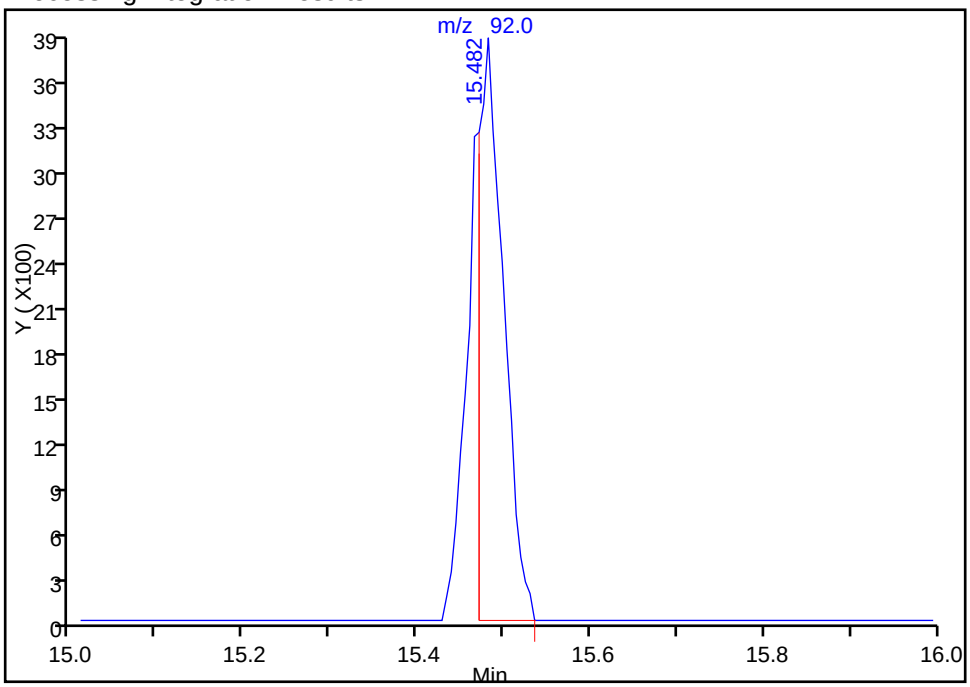
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

62 Toluene, CAS: 108-88-3

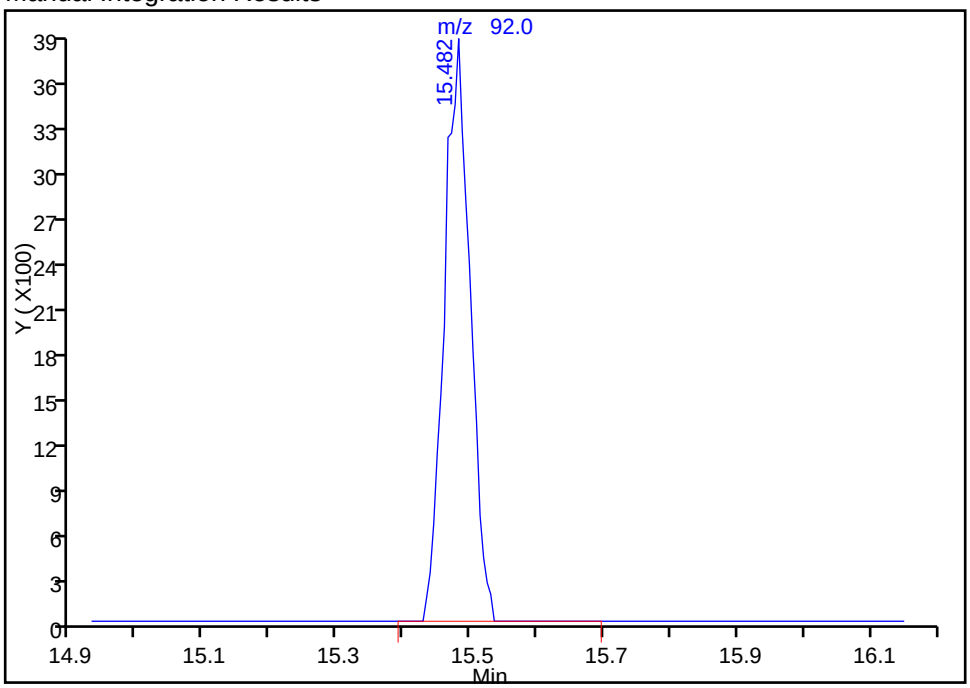
Processing Integration Results

RT: 15.48
Area: 7536
Amount: 0.158995
Amount Units: ppb v/v



Manual Integration Results

RT: 15.48
Area: 10378
Amount: 0.209971
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

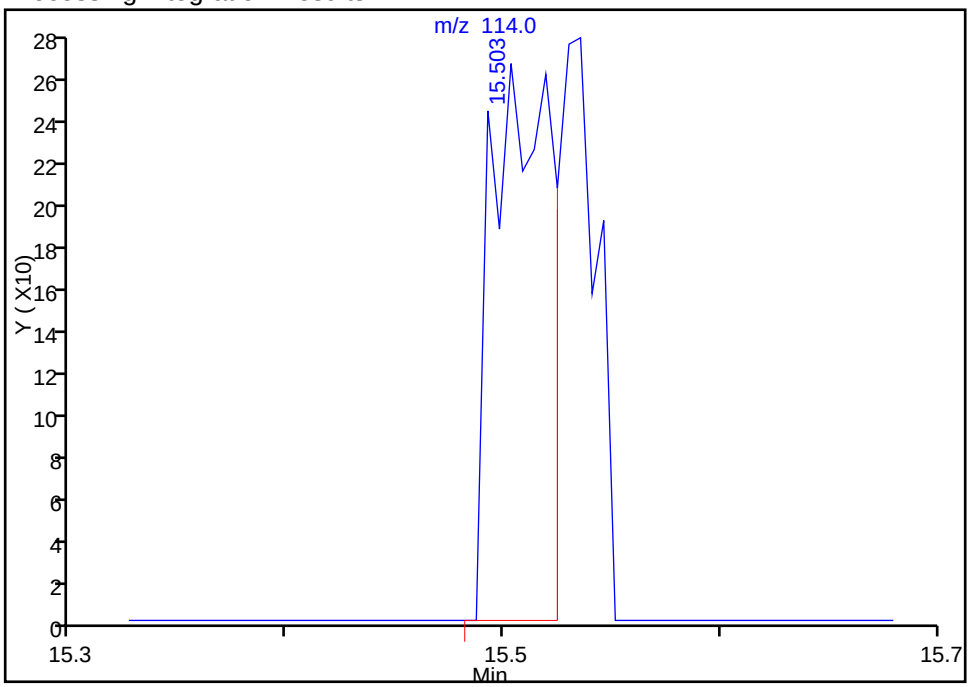
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

66 n-Octane, CAS: 111-65-9

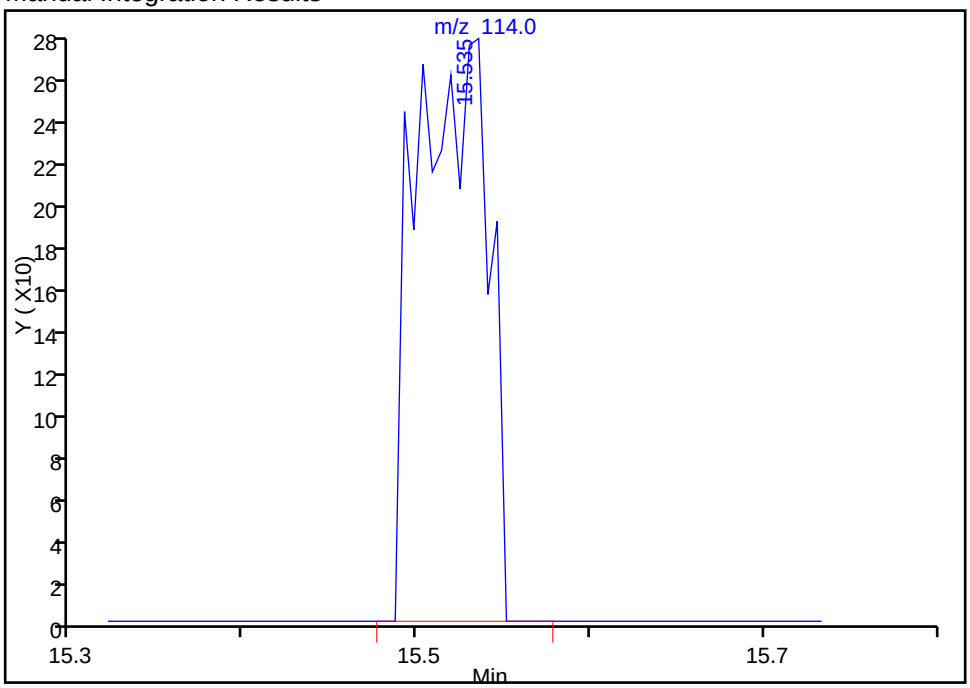
Processing Integration Results

RT: 15.50
Area: 501
Amount: 0.217878
Amount Units: ppb v/v



Manual Integration Results

RT: 15.54
Area: 783
Amount: 0.217878
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

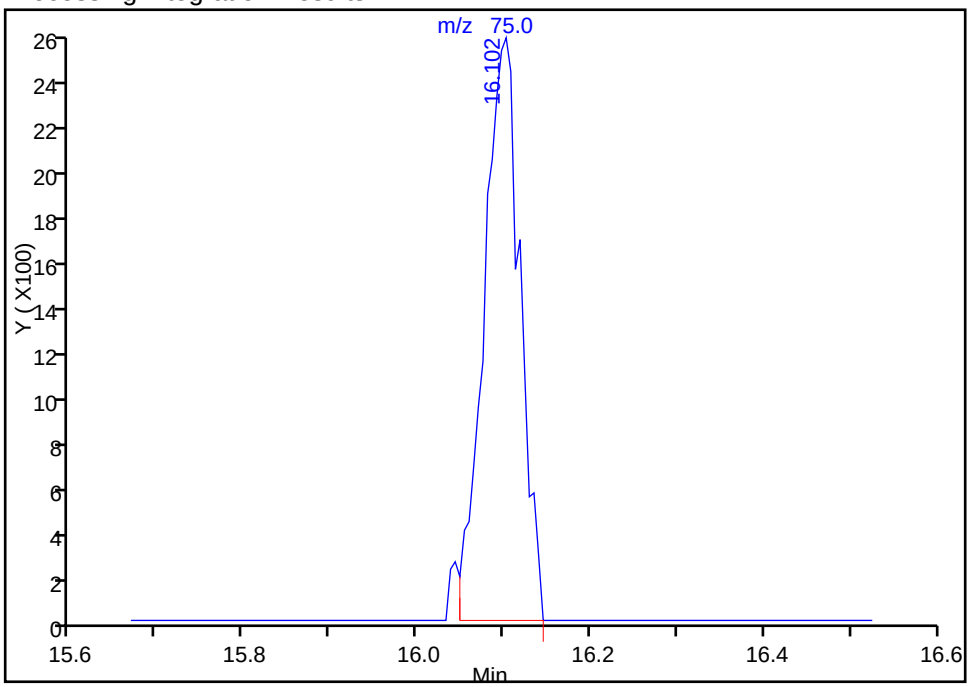
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_05.D
Injection Date: 17-Aug-2015 18:54:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

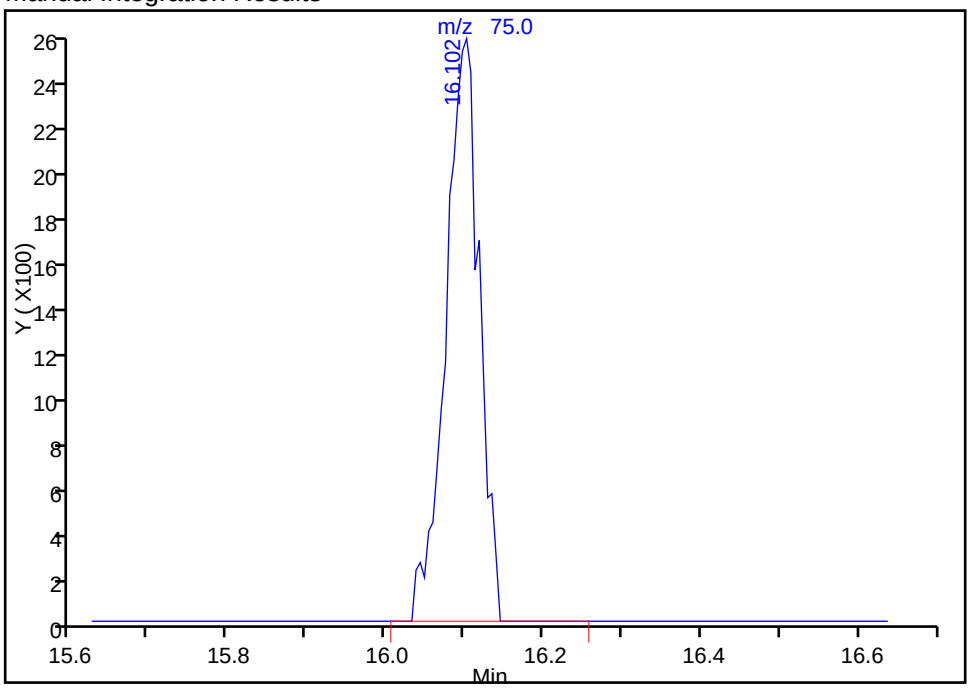
Processing Integration Results

RT: 16.10
Area: 7525
Amount: 0.210958
Amount Units: ppb v/v



Manual Integration Results

RT: 16.10
Area: 7682
Amount: 0.214685
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:17:28
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_06.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Aug-2015 19:44:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-006
Misc. Info.: ic-03
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:28 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:20:28

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	3.097	3.092	0.005	88	6617	0.5005	0.8956	
2 Dichlorodifluoromethane	85	3.161	3.161	0.000	99	18447	0.5005	0.5332	
3 Chlorodifluoromethane	51	3.215	3.209	0.006	97	9175	0.5005	0.5483	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.429	3.423	0.006	90	18529	0.5005	0.5268	
5 Chloromethane	50	3.568	3.563	0.005	97	5361	0.5005	0.5507	
6 Butane	43	3.760	3.755	0.005	98	10165	0.5005	0.6356	
7 Vinyl chloride	62	3.803	3.803	0.000	97	6496	0.5005	0.5291	
8 Butadiene	54	3.878	3.878	0.000	91	4995	0.5005	0.5664	
9 Bromomethane	94	4.547	4.547	0.000	98	7429	0.5005	0.5344	
10 Chloroethane	64	4.777	4.777	0.000	97	3292	0.5005	0.5309	
11 2-Methylbutane	43	4.836	4.841	-0.005	89	6750	0.5005	0.5897	
12 Vinyl bromide	106	5.157	5.157	0.000	99	8410	0.5005	0.5241	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	97	20232	0.5005	0.5302	
14 Pentane	43	5.376	5.376	0.000	95	11005	0.5005	0.6044	
15 Ethanol	45	5.820	5.804	0.016	97	18594	5.01	4.87	
16 Ethyl ether	59	5.916	5.895	0.021	92	4104	0.5005	0.5123	
17 Acrolein	56	6.291	6.280	0.011	38	2068	0.5005	0.6863	
18 1,1,2-Trichloro-1,2,2-trif	101	6.291	6.286	0.005	93	15917	0.5005	0.5211	
20 1,1-Dichloroethene	96	6.344	6.344	0.000	92	7469	0.5005	0.5231	
21 Acetone	43	6.607	6.585	0.021	89	20789	0.5005	1.34	
22 Carbon disulfide	76	6.735	6.740	-0.005	98	19072	0.5005	0.5256	
23 Isopropyl alcohol	45	6.911	6.863	0.048	99	9499	0.5005	0.6439	
24 3-Chloro-1-propene	41	7.120	7.115	0.005	89	6592	0.5005	0.5470	
25 Acetonitrile	41	7.270	7.265	0.005	99	4979	0.5005	0.6747	
26 Methylene Chloride	49	7.409	7.409	0.000	83	8715	0.5005	0.6648	
28 2-Methyl-2-propanol	59	7.682	7.639	0.043	98	13152	0.5005	0.5561	
29 Methyl tert-butyl ether	73	7.842	7.800	0.042	96	20686	0.5005	0.5238	
30 trans-1,2-Dichloroethene	61	7.832	7.837	-0.005	91	9769	0.5005	0.5328	
31 Acrylonitrile	53	8.008	8.003	0.005	93	4439	0.5005	0.5217	
32 Hexane	57	8.201	8.201	0.000	88	11217	0.5005	0.5761	

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	8.704	8.709	-0.005	99	12984	0.5005	0.5244	
34 Vinyl acetate	43	8.773	8.773	0.000	99	15511	0.5005	0.5344	
35 cis-1,2-Dichloroethene	96	9.811	9.816	-0.005	96	9366	0.5005	0.5198	
36 2-Butanone (MEK)	72	9.875	9.865	0.010	99	5720	0.5005	0.6924	
37 Ethyl acetate	88	9.907	9.897	0.010	95	627	0.5005	0.4796	
S 38 1,2-Dichloroethene, Total	61				0		1.00	1.05	
* 40 Chlorobromomethane	128	10.282	10.282	0.000	77	177864	10.0	10.0	
39 Tetrahydrofuran	42	10.319	10.287	0.032	86	7598	0.5005	0.5485	
41 Chloroform	83	10.405	10.410	-0.005	98	17489	0.5005	0.5291	
42 Cyclohexane	84	10.646	10.656	-0.010	85	12595	0.5005	0.5175	M
43 1,1,1-Trichloroethane	97	10.688	10.688	0.000	97	18231	0.5005	0.5143	
44 Carbon tetrachloride	117	10.934	10.934	0.000	97	18498	0.5005	0.5009	
45 Isooctane	57	11.357	11.362	-0.005	99	41917	0.5005	0.5154	
46 Benzene	78	11.411	11.416	-0.005	93	30066	0.5005	0.5297	
47 1,2-Dichloroethane	62	11.603	11.609	-0.006	95	10225	0.5005	0.5132	
48 n-Heptane	43	11.742	11.753	-0.011	86	14909	0.5005	0.5443	
* 50 1,4-Difluorobenzene	114	12.261	12.267	-0.006	92	972301	10.0	10.0	
51 n-Butanol	56	12.700	12.668	0.032	85	5859	0.5005	0.6204	
52 Trichloroethene	95	12.737	12.743	-0.006	93	14420	0.5005	0.5041	
53 1,2-Dichloropropane	63	13.326	13.336	-0.010	94	10996	0.5005	0.5097	M
54 Methyl methacrylate	69	13.497	13.492	0.005	81	10846	0.5005	0.5045	
55 1,4-Dioxane	88	13.593	13.567	0.026	91	6814	0.5005	0.6391	
56 Dibromomethane	174	13.599	13.609	-0.010	90	18413	0.5005	0.5353	
57 Dichlorobromomethane	83	13.903	13.909	-0.006	98	19837	0.5005	0.4896	
58 cis-1,3-Dichloropropene	75	14.872	14.877	-0.005	88	16721	0.5005	0.4939	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	7091811	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	7091811	0.5005	143.2	
61 4-Methyl-2-pentanone (MIBK	43	15.198	15.177	0.021	93	19380	0.5005	0.5222	
A 63 Toluene Range	1		(15.472-15.492)				NC	ND	
62 Toluene	92	15.476	15.482	-0.006	93	25278	0.5005	0.5205	
A 65 GRO	1	15.514	(15.514-15.514)		0	183909	0.5005	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.508	15.514	-0.006	86	23178	0.5005	0.5496	
67 trans-1,3-Dichloropropene	75	16.102	16.102	0.000	93	19391	0.5005	0.5492	
68 1,1,2-Trichloroethane	83	16.487	16.487	0.000	96	11485	0.5005	0.5069	
69 Tetrachloroethene	166	16.584	16.589	-0.005	96	24300	0.5005	0.5025	
70 2-Hexanone	43	16.964	16.942	0.022	92	18600	0.5005	0.5158	
71 Chlorodibromomethane	129	17.263	17.269	-0.006	97	20490	0.5005	0.4374	
72 Ethylene Dibromide	107	17.552	17.552	0.000	99	22207	0.5005	0.4983	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	953679	10.0	10.0	
74 Chlorobenzene	112	18.515	18.520	-0.005	97	35363	0.5005	0.5114	
75 Ethylbenzene	91	18.659	18.659	0.000	96	53766	0.5005	0.5136	
76 n-Nonane	57	18.761	18.761	0.000	85	23969	0.5005	0.5333	
77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	44443	1.00	1.01	
78 o-Xylene	106	19.729	19.729	0.000	95	22217	0.5005	0.5092	
79 Styrene	104	19.777	19.778	-0.001	97	33909	0.5005	0.4979	
S 80 Xylenes, Total	106				0		1.50	1.52	
81 Bromoform	173	20.184	20.189	-0.005	99	16277	0.5005	0.3718	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	62997	0.5005	0.5061	
* 83 4-Bromofluorobenzene	95	20.719	20.724	-0.005	99	645812	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.987	20.992	-0.006	98	29690	0.5005	0.5070	
86 N-Propylbenzene	91	21.045	21.045	0.000	100	73727	0.5005	0.5082	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.083	21.088	-0.005	97	23812	0.5005	0.5331	
88 n-Decane	57	21.190	21.190	0.000	84	31078	0.5005	0.5468	
89 4-Ethyltoluene	105	21.227	21.227	0.000	98	64410	0.5005	0.5121	
90 2-Chlorotoluene	91	21.249	21.243	0.006	95	50782	0.5005	0.5161	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	94	53113	0.5005	0.5116	
92 Alpha Methyl Styrene	118	21.682	21.682	0.000	92	27241	0.5005	0.4977	
93 tert-Butylbenzene	119	21.800	21.800	0.000	96	53515	0.5005	0.5172	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	96	53761	0.5005	0.5165	
95 sec-Butylbenzene	105	22.110	22.110	0.000	99	78341	0.5005	0.5178	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	98	68063	0.5005	0.5108	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	99	40915	0.5005	0.5111	
98 1,4-Dichlorobenzene	146	22.495	22.495	0.000	97	41228	0.5005	0.5089	
99 Benzyl chloride	91	22.698	22.698	0.000	100	40288	0.5005	0.4754	
100 Undecane	57	22.896	22.896	0.000	73	33330	0.5005	0.5711	
101 n-Butylbenzene	91	22.896	22.902	-0.006	96	60138	0.5005	0.5364	
102 1,2-Dichlorobenzene	146	23.051	23.052	-0.001	98	38902	0.5005	0.5127	
103 Dodecane	57	24.549	24.549	0.000	94	33156	0.5005	0.6223	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	93	35069	0.5005	0.5008	
105 Hexachlorobutadiene	225	25.871	25.871	0.000	98	34540	0.5005	0.5301	
106 Naphthalene	128	26.213	26.219	-0.006	99	61461	0.5005	0.4583	
107 1,2,3-Trichlorobenzene	180	26.727	26.727	0.000	95	31792	0.5005	0.4912	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

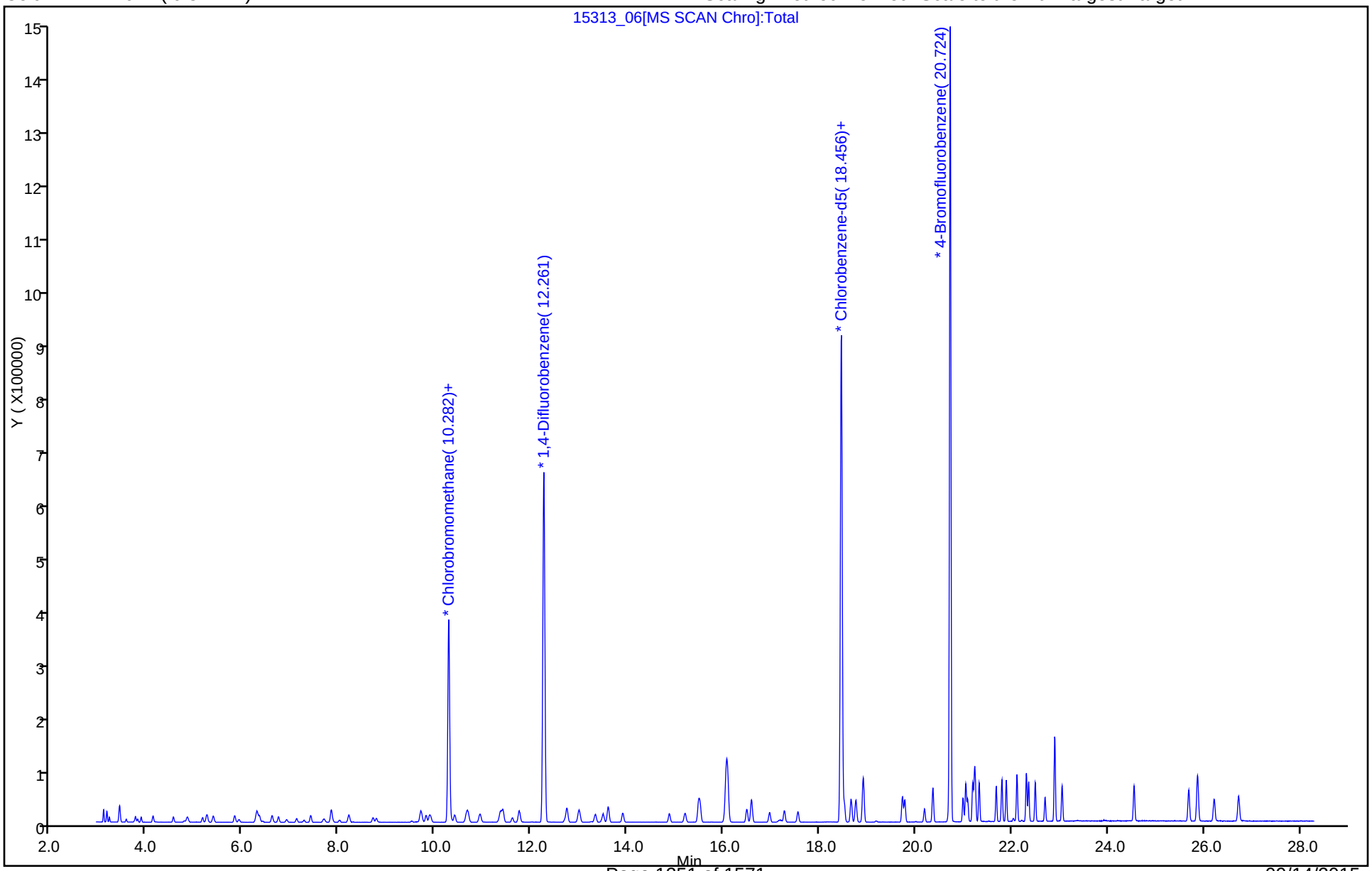
ATTO15CAL2w_00192	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_06.D

Injection Date:	17-Aug-2015 19:44:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

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



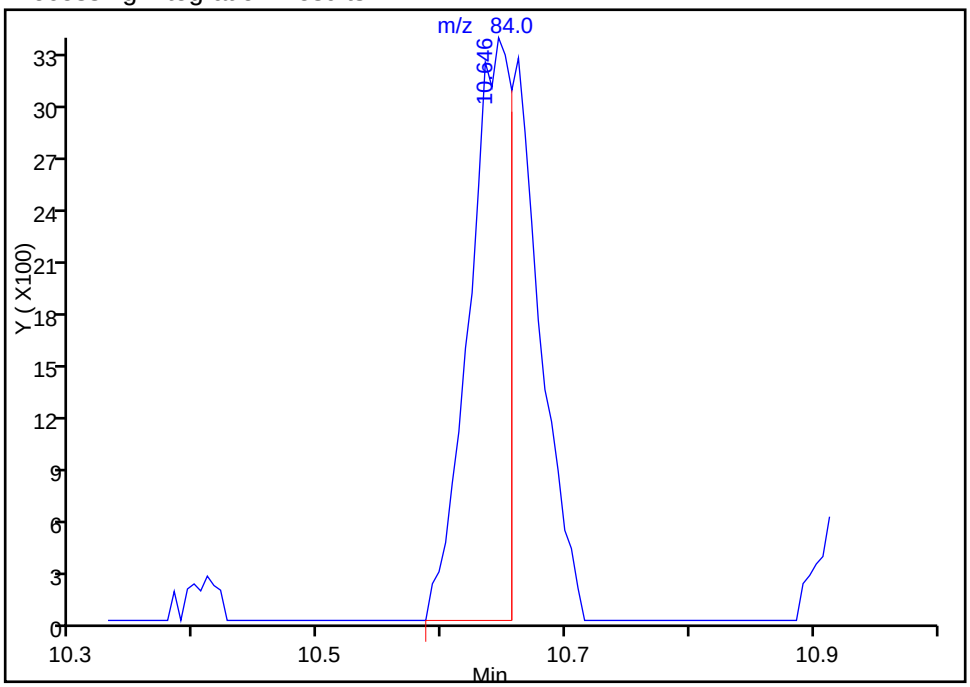
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_06.D				
Injection Date:	17-Aug-2015 19:44:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

42 Cyclohexane, CAS: 110-82-7

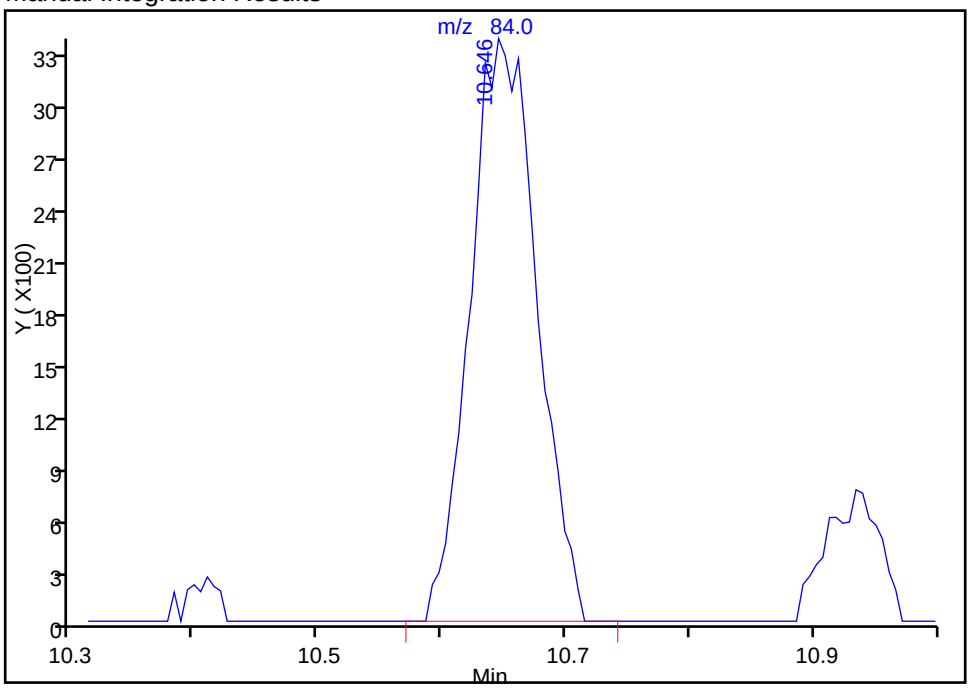
Processing Integration Results

RT: 10.65
Area: 7934
Amount: 0.344855
Amount Units: ppb v/v



Manual Integration Results

RT: 10.65
Area: 12595
Amount: 0.517519
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:20:28
Audit Action: Manually Integrated
Audit Reason: Baseline

Manual Integration/User Assign Peak Report

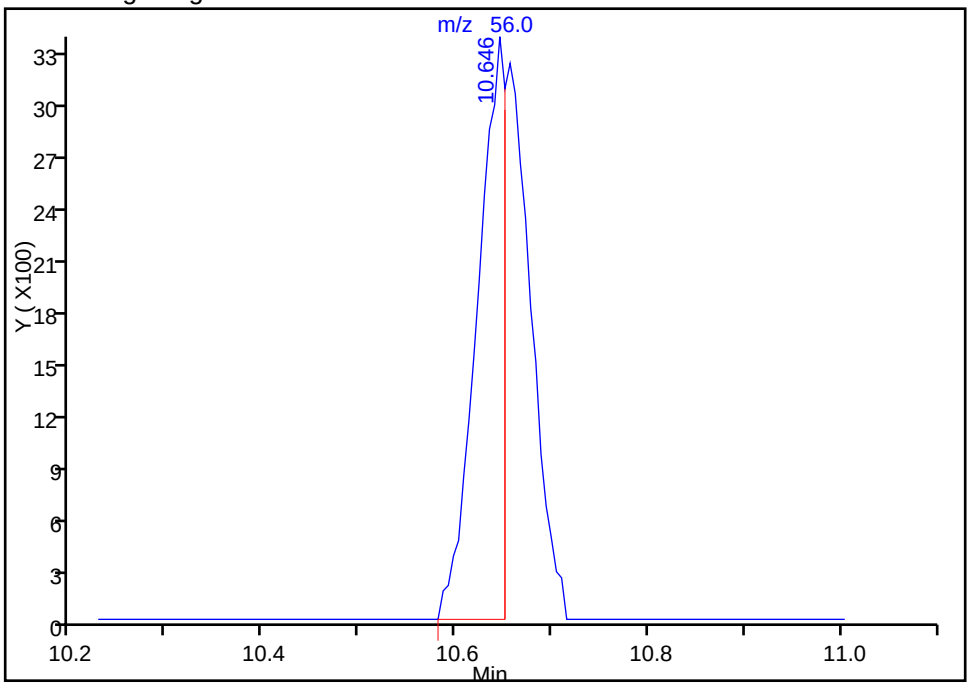
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_06.D
Injection Date: 17-Aug-2015 19:44:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

42 Cyclohexane, CAS: 110-82-7

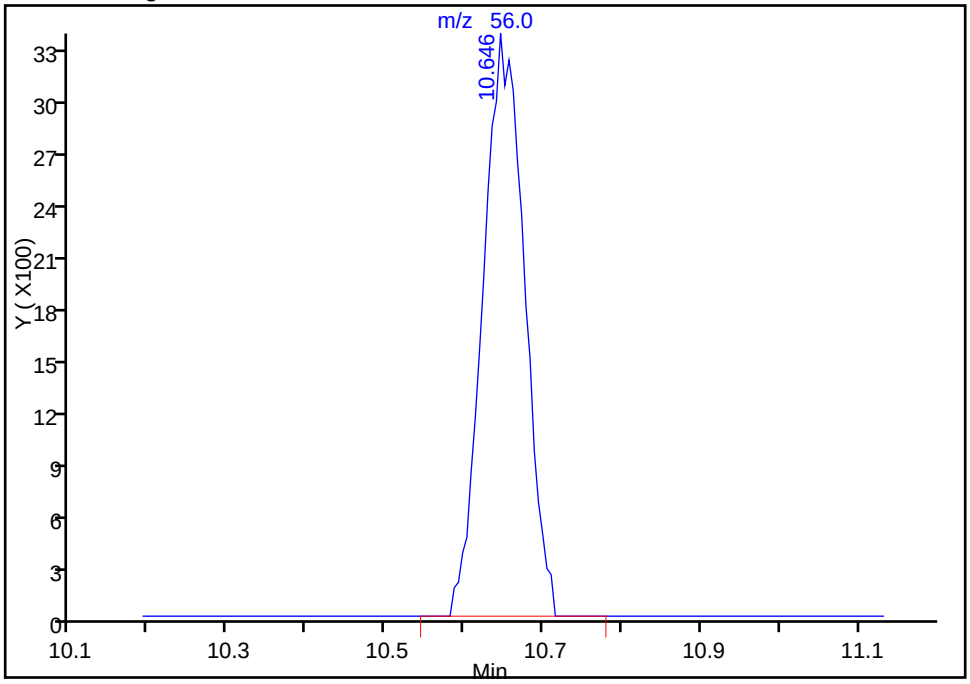
Processing Integration Results

RT: 10.65
Area: 6915
Amount: 0.344855
Amount Units: ppb v/v



Manual Integration Results

RT: 10.65
Area: 12449
Amount: 0.517519
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:20:28
Audit Action: Manually Integrated
Audit Reason: Baseline

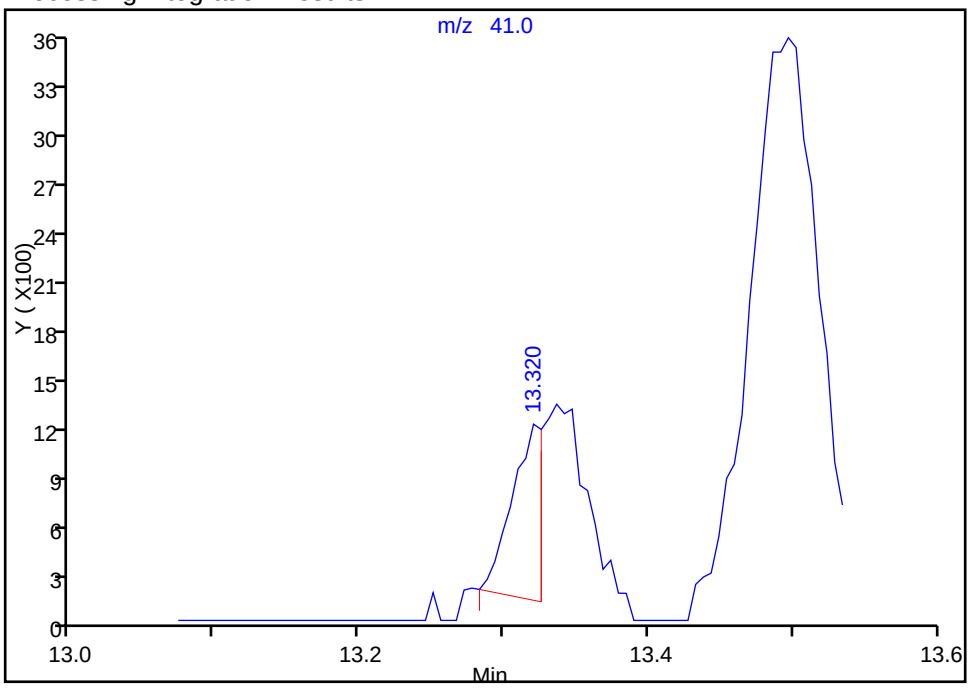
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_06.D
Injection Date: 17-Aug-2015 19:44:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 1,2-Dichloropropane, CAS: 78-87-5

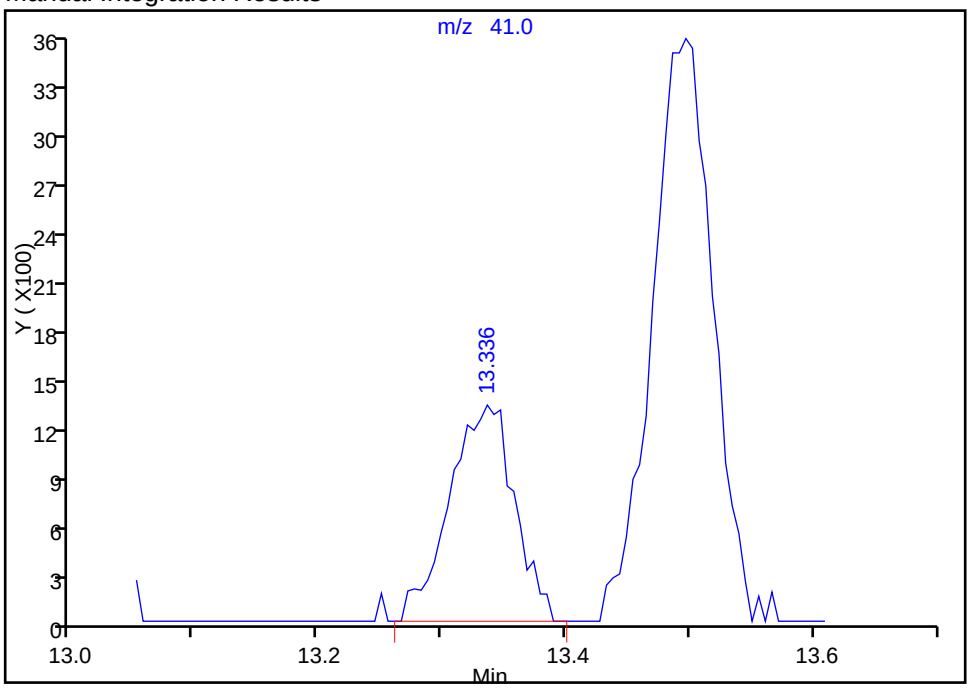
Processing Integration Results

RT: 13.32
Area: 1594
Amount: 0.509739
Amount Units: ppb v/v



Manual Integration Results

RT: 13.34
Area: 4837
Amount: 0.509739
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:20:28
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_07.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Aug-2015 20:33:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-007
Misc. Info.: ic-04
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:29 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:29:00

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	3.092	3.092	0.000	98	39568	4.99	5.38	
2 Dichlorodifluoromethane	85	3.161	3.161	0.000	99	174200	4.99	5.06	
3 Chlorodifluoromethane	51	3.210	3.209	0.001	97	84151	4.99	5.06	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.424	3.423	0.001	96	175537	4.99	5.02	
5 Chloromethane	50	3.563	3.563	0.000	99	48700	4.99	5.03	
6 Butane	43	3.755	3.755	0.000	98	77403	4.99	4.86	
7 Vinyl chloride	62	3.803	3.803	0.000	97	61956	4.99	5.07	
8 Butadiene	54	3.878	3.878	0.000	93	43265	4.99	4.93	
9 Bromomethane	94	4.547	4.547	0.000	99	68219	4.99	4.93	
10 Chloroethane	64	4.772	4.777	-0.005	99	31384	4.99	5.09	
11 2-Methylbutane	43	4.841	4.841	0.000	91	54555	4.99	4.79	
12 Vinyl bromide	106	5.152	5.157	-0.005	99	78834	4.99	4.94	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	98	187826	4.99	4.95	
14 Pentane	43	5.376	5.376	0.000	96	90462	4.99	4.99	
15 Ethanol	45	5.810	5.804	0.006	99	45333	10.0	11.9	
16 Ethyl ether	59	5.900	5.895	0.005	94	40793	4.99	5.12	
17 Acrolein	56	6.286	6.280	0.006	37	16554	4.99	5.52	
18 1,1,2-Trichloro-1,2,2-trif	101	6.280	6.286	-0.006	95	148836	4.99	4.90	
20 1,1-Dichloroethene	96	6.339	6.344	-0.005	94	70402	4.99	4.96	
21 Acetone	43	6.591	6.585	0.006	89	86571	4.99	5.59	
22 Carbon disulfide	76	6.740	6.740	0.000	98	180387	4.99	5.00	
23 Isopropyl alcohol	45	6.874	6.863	0.011	99	72980	4.99	4.97	
24 3-Chloro-1-propene	41	7.115	7.115	0.000	92	57849	4.99	4.83	
25 Acetonitrile	41	7.259	7.265	-0.006	99	39587	4.99	5.39	
26 Methylene Chloride	49	7.409	7.409	0.000	86	64407	4.99	4.94	
28 2-Methyl-2-propanol	59	7.650	7.639	0.011	99	117126	4.99	4.98	
29 Methyl tert-butyl ether	73	7.805	7.800	0.005	96	193747	4.99	4.93	
30 trans-1,2-Dichloroethene	61	7.832	7.837	-0.005	90	90452	4.99	4.96	
31 Acrylonitrile	53	8.003	8.003	0.000	95	43254	4.99	5.11	
32 Hexane	57	8.201	8.201	0.000	89	94069	4.99	4.86	

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	8.709	8.709	0.000	99	121376	4.99	4.93	
34 Vinyl acetate	43	8.768	8.773	-0.005	99	148881	4.99	5.16	
35 cis-1,2-Dichloroethene	96	9.811	9.816	-0.005	95	87958	4.99	4.91	
36 2-Butanone (MEK)	72	9.865	9.865	0.000	100	39469	4.99	4.80	
37 Ethyl acetate	88	9.891	9.897	-0.006	99	6481	4.99	4.98	
S 38 1,2-Dichloroethene, Total	61				0		9.99	9.86	
* 40 Chlorobromomethane	128	10.282	10.282	0.000	79	176959	10.0	10.0	
39 Tetrahydrofuran	42	10.293	10.287	0.006	91	69181	4.99	5.04	
41 Chloroform	83	10.405	10.410	-0.005	99	162241	4.99	4.93	
42 Cyclohexane	84	10.651	10.656	-0.005	86	116145	4.99	4.82	
43 1,1,1-Trichloroethane	97	10.683	10.688	-0.005	97	170319	4.99	4.85	
44 Carbon tetrachloride	117	10.935	10.934	0.001	96	181327	4.99	4.96	
45 Isooctane	57	11.363	11.362	0.001	100	397447	4.99	4.93	
46 Benzene	78	11.416	11.416	0.000	94	271621	4.99	4.83	
47 1,2-Dichloroethane	62	11.609	11.609	0.000	97	96043	4.99	4.87	
48 n-Heptane	43	11.748	11.753	-0.005	88	133436	4.99	4.92	
* 50 1,4-Difluorobenzene	114	12.261	12.267	-0.006	92	962941	10.0	10.0	
51 n-Butanol	56	12.679	12.668	0.011	84	44914	4.99	4.80	
52 Trichloroethene	95	12.748	12.743	0.005	94	128372	4.99	4.53	
53 1,2-Dichloropropane	63	13.331	13.336	-0.005	95	104929	4.99	4.91	
54 Methyl methacrylate	69	13.486	13.492	-0.006	83	103716	4.99	4.87	
55 1,4-Dioxane	88	13.561	13.567	-0.006	88	51754	4.99	4.90	
56 Dibromomethane	174	13.604	13.609	-0.005	90	152819	4.99	4.49	
57 Dichlorobromomethane	83	13.904	13.909	-0.005	98	199622	4.99	4.97	
58 cis-1,3-Dichloropropene	75	14.872	14.877	-0.005	88	163830	4.99	4.89	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	61201985	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	61201985	4.99	1248.2	
61 4-Methyl-2-pentanone (MIBK	43	15.182	15.177	0.005	93	183126	4.99	4.98	
A 63 Toluene Range	1		(15.472-15.492)				NC	ND	
62 Toluene	92	15.482	15.482	0.000	93	231255	4.99	4.81	
A 65 GRO	1	15.514	(15.514-15.514)		0	1697990	4.99	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	87	206063	4.99	4.93	
67 trans-1,3-Dichloropropene	75	16.102	16.102	0.000	93	164265	4.99	4.70	
68 1,1,2-Trichloroethane	83	16.488	16.487	0.001	96	107712	4.99	4.80	
69 Tetrachloroethene	166	16.584	16.589	-0.005	95	223437	4.99	4.66	
70 2-Hexanone	43	16.948	16.942	0.006	93	179506	4.99	5.02	
71 Chlorodibromomethane	129	17.269	17.269	0.000	98	236482	4.99	5.09	
72 Ethylene Dibromide	107	17.552	17.552	0.000	98	213957	4.99	4.85	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	945071	10.0	10.0	
74 Chlorobenzene	112	18.520	18.520	0.000	98	331246	4.99	4.83	
75 Ethylbenzene	91	18.660	18.659	0.001	97	503072	4.99	4.85	
76 n-Nonane	57	18.761	18.761	0.000	86	217187	4.99	4.88	
77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	424990	9.99	9.71	
78 o-Xylene	106	19.724	19.729	-0.005	95	208525	4.99	4.82	
79 Styrene	104	19.778	19.778	0.000	98	330977	4.99	4.90	
S 80 Xylenes, Total	106				0		15.0	14.5	
81 Bromoform	173	20.190	20.189	0.001	99	232957	4.99	5.37	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	596746	4.99	4.84	
* 83 4-Bromofluorobenzene	95	20.725	20.724	0.001	98	639954	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.987	20.992	-0.005	98	289659	4.99	4.99	
86 N-Propylbenzene	91	21.046	21.045	0.001	100	701499	4.99	4.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.083	21.088	-0.005	96	216002	4.99	4.88	
88 n-Decane	57	21.190	21.190	0.000	86	283369	4.99	5.03	
89 4-Ethyltoluene	105	21.227	21.227	0.000	97	602938	4.99	4.84	
90 2-Chlorotoluene	91	21.243	21.243	0.000	96	472878	4.99	4.85	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	94	499768	4.99	4.86	
92 Alpha Methyl Styrene	118	21.682	21.682	0.000	92	269421	4.99	4.97	
93 tert-Butylbenzene	119	21.800	21.800	0.000	96	496200	4.99	4.84	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	96	502925	4.99	4.88	
95 sec-Butylbenzene	105	22.110	22.110	0.000	99	737805	4.99	4.92	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	98	642290	4.99	4.86	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	99	383696	4.99	4.84	
98 1,4-Dichlorobenzene	146	22.495	22.495	0.000	97	391164	4.99	4.87	
99 Benzyl chloride	91	22.699	22.698	0.001	100	410726	4.99	4.89	
100 Undecane	57	22.897	22.896	0.000	71	300072	4.99	5.19	
101 n-Butylbenzene	91	22.897	22.902	-0.006	96	551929	4.99	4.97	
102 1,2-Dichlorobenzene	146	23.052	23.052	0.000	99	361270	4.99	4.80	
103 Dodecane	57	24.550	24.549	0.001	94	299345	4.99	5.67	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	93	330266	4.99	4.76	M
105 Hexachlorobutadiene	225	25.871	25.871	0.000	99	303192	4.99	4.70	M
106 Naphthalene	128	26.219	26.219	0.000	99	638299	4.99	4.80	M
107 1,2,3-Trichlorobenzene	180	26.727	26.727	0.000	96	318508	4.99	4.97	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated

Reagents:

ATTO15CAL3w_00152	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

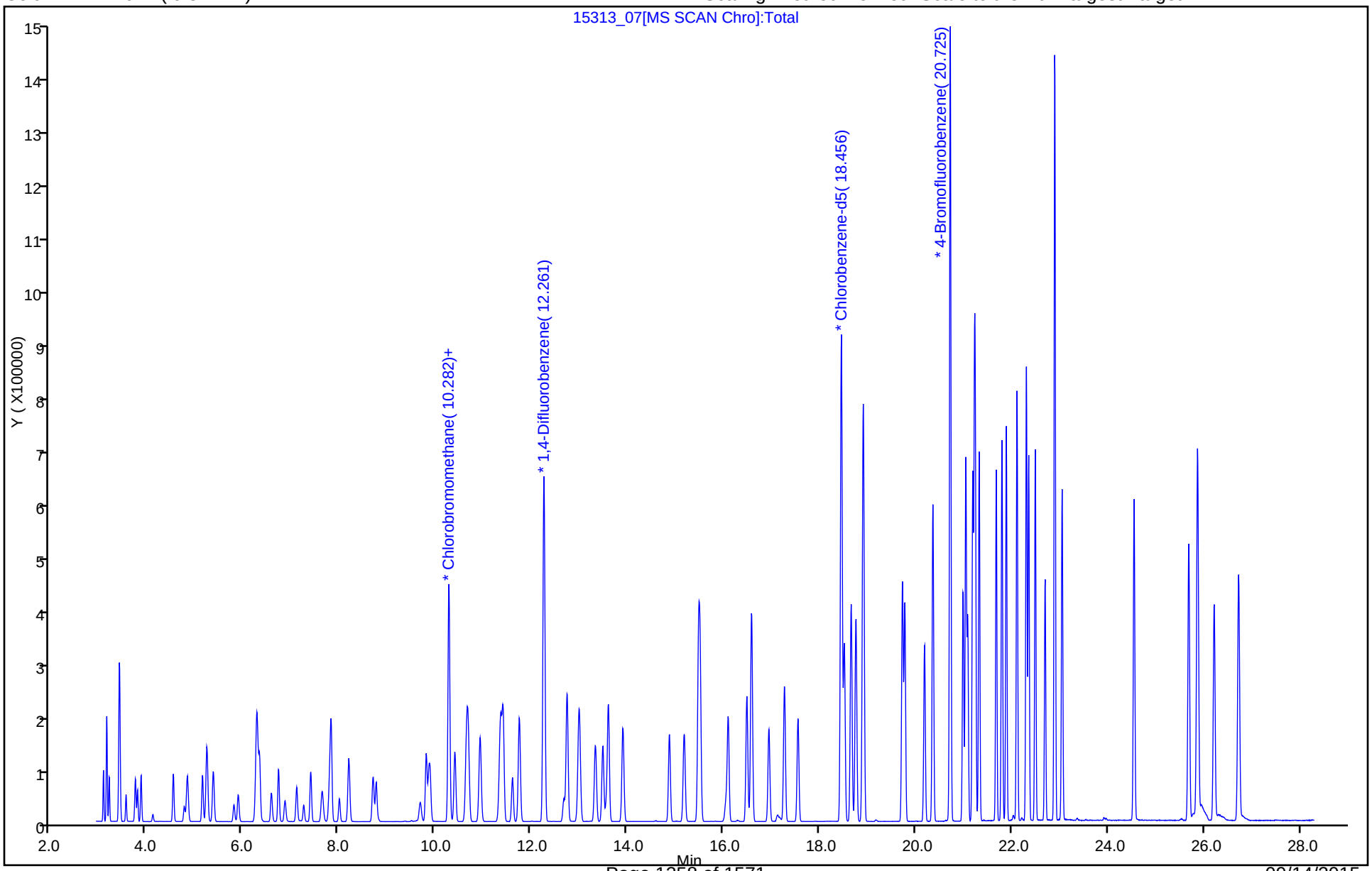
Report Date: 18-Aug-2015 11:12:30 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_07.D

Injection Date:	17-Aug-2015 20:33:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

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



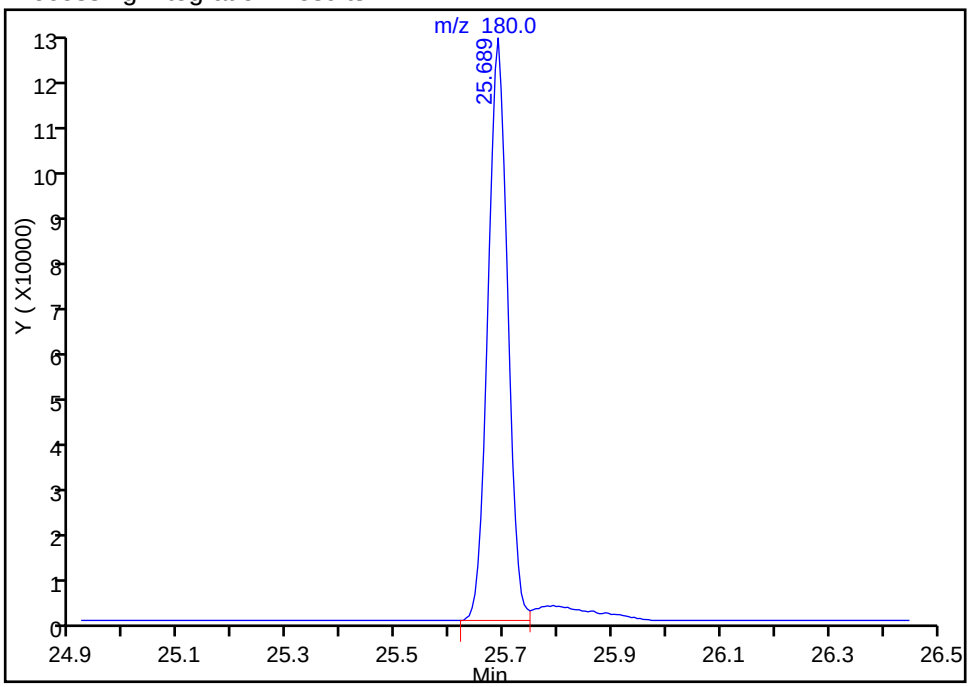
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_07.D
Injection Date: 17-Aug-2015 20:33:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

104 1,2,4-Trichlorobenzene, CAS: 120-82-1

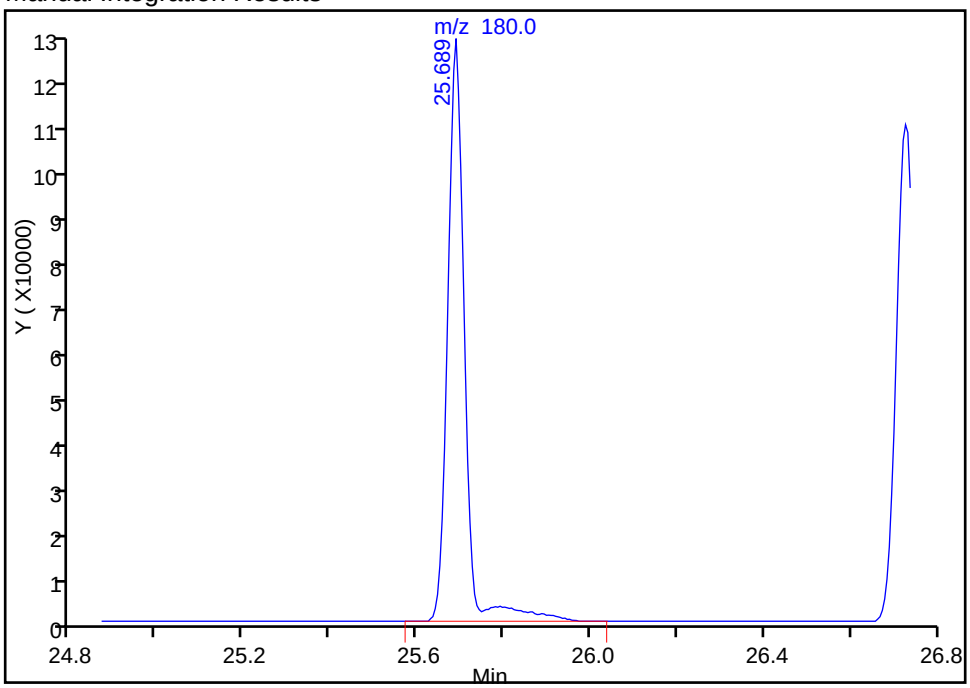
Processing Integration Results

RT: 25.69
Area: 307043
Amount: 4.474790
Amount Units: ppb v/v



Manual Integration Results

RT: 25.69
Area: 330266
Amount: 4.759463
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:29:00
Audit Action: Manually Integrated
Audit Reason: Baseline

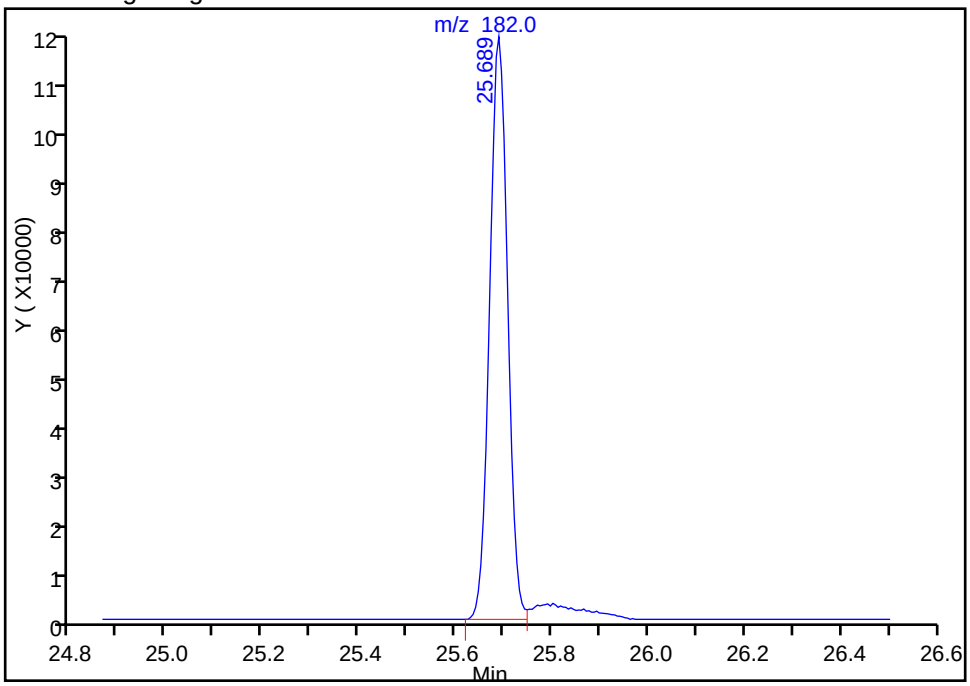
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_07.D
Injection Date: 17-Aug-2015 20:33:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

104 1,2,4-Trichlorobenzene, CAS: 120-82-1

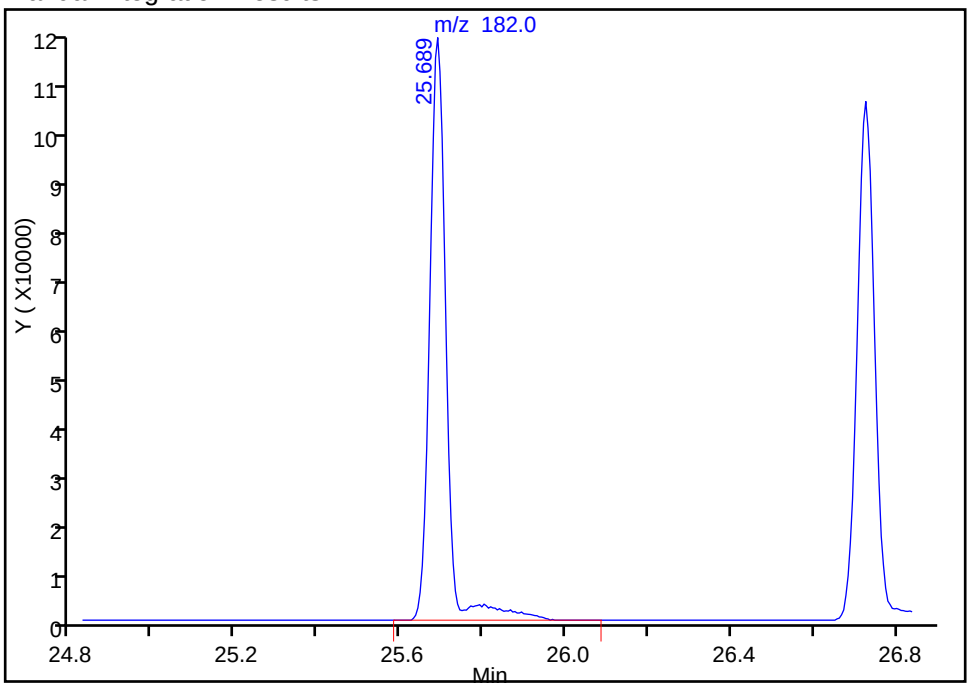
Processing Integration Results

RT: 25.69
Area: 293590
Amount: 4.474790
Amount Units: ppb v/v



Manual Integration Results

RT: 25.69
Area: 315839
Amount: 4.759463
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:29:00
Audit Action: Manually Integrated
Audit Reason: Baseline

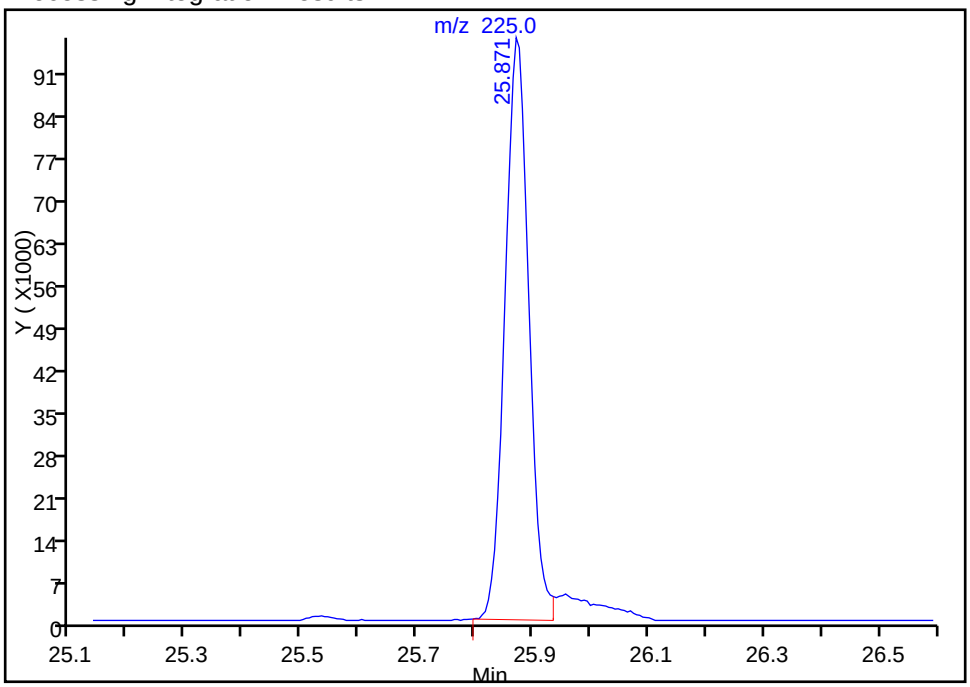
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_07.D
Injection Date: 17-Aug-2015 20:33:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

105 Hexachlorobutadiene, CAS: 87-68-3

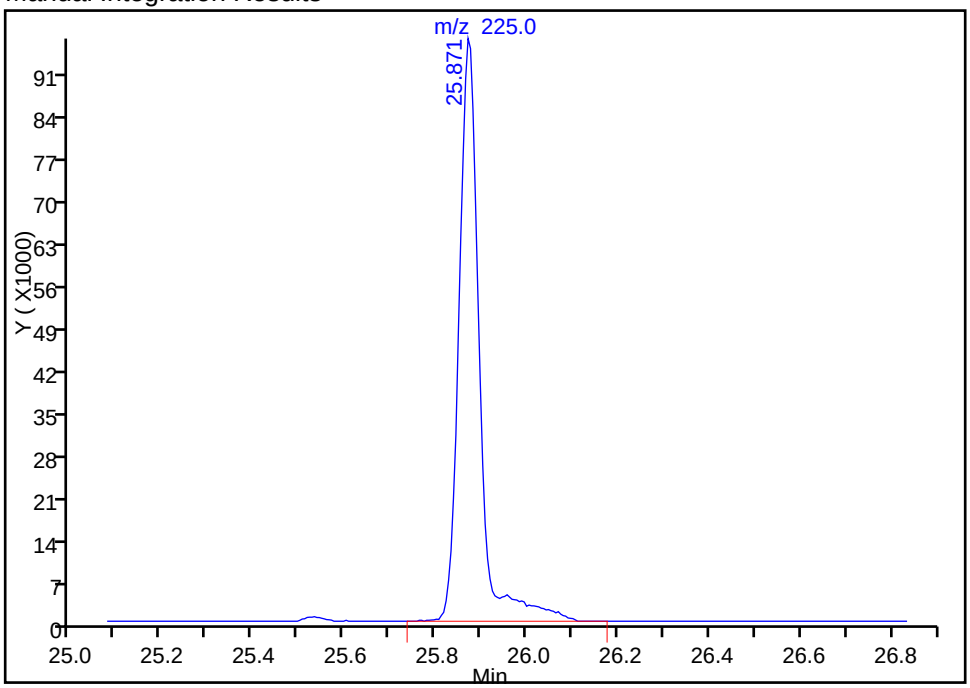
Processing Integration Results

RT: 25.87
Area: 277876
Amount: 4.352161
Amount Units: ppb v/v



Manual Integration Results

RT: 25.87
Area: 303192
Amount: 4.695394
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:29:00
Audit Action: Manually Integrated
Audit Reason: Baseline

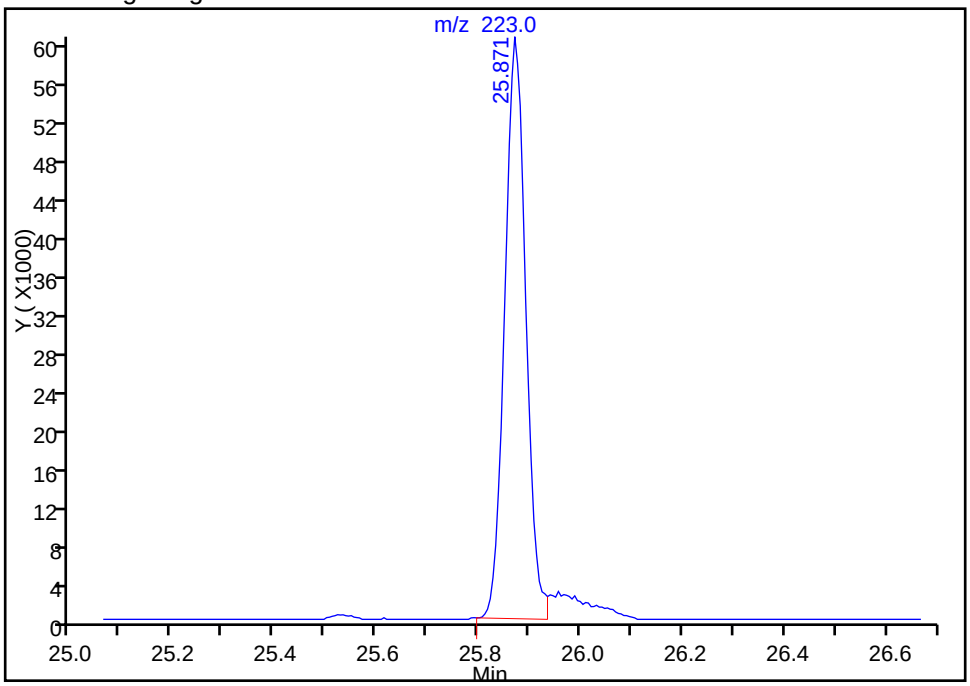
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_07.D
Injection Date: 17-Aug-2015 20:33:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

105 Hexachlorobutadiene, CAS: 87-68-3

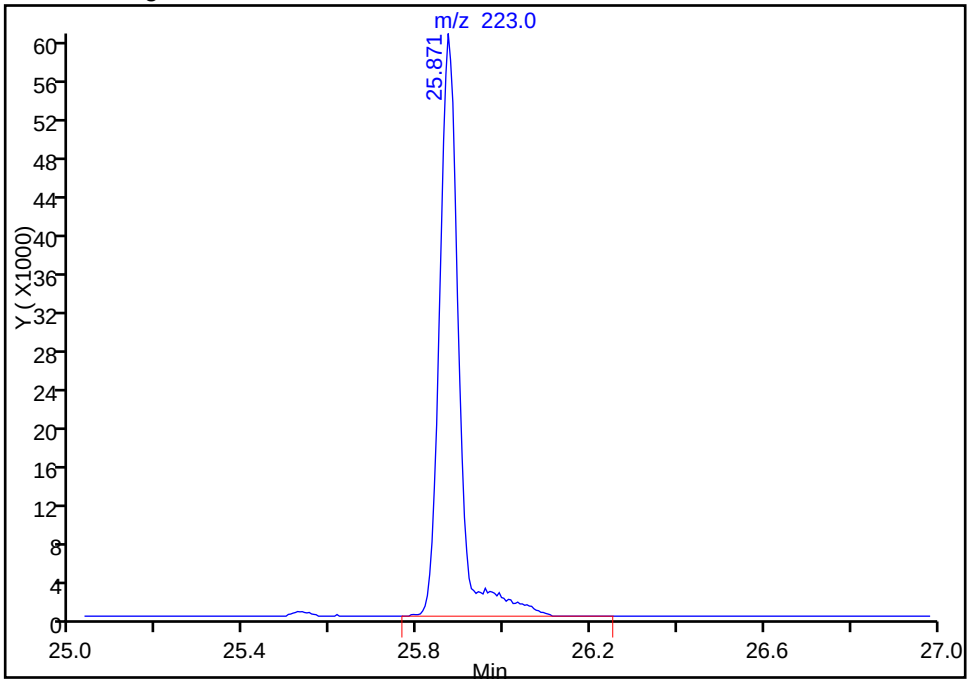
Processing Integration Results

RT: 25.87
Area: 172611
Amount: 4.352161
Amount Units: ppb v/v



Manual Integration Results

RT: 25.87
Area: 188655
Amount: 4.695394
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:29:00
Audit Action: Manually Integrated
Audit Reason: Baseline

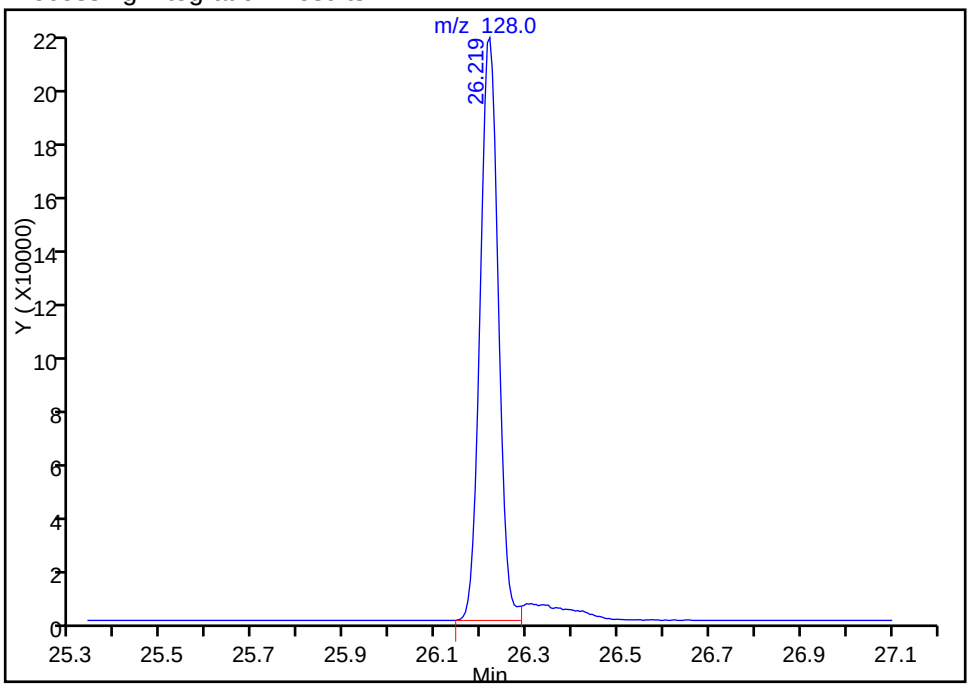
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_07.D
Injection Date: 17-Aug-2015 20:33:30 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_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

106 Naphthalene, CAS: 91-20-3

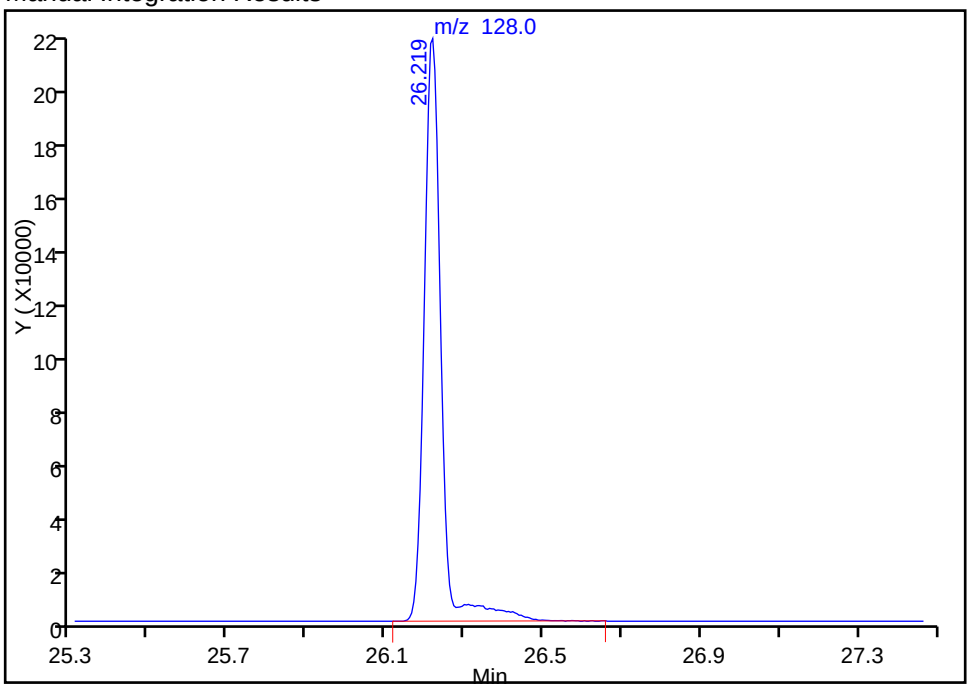
Processing Integration Results

RT: 26.22
Area: 594871
Amount: 4.526070
Amount Units: ppb v/v



Manual Integration Results

RT: 26.22
Area: 638299
Amount: 4.803507
Amount Units: ppb v/v



Reviewer: daiglep, 18-Aug-2015 09:29:00
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_08.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 17-Aug-2015 21:23:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-008
Misc. Info.: icis-05
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:31 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:24:45

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	3.092	3.092	0.000	99	79619	10.0	10.8	
2 Dichlorodifluoromethane	85	3.161	3.161	0.000	99	367128	10.0	10.6	
3 Chlorodifluoromethane	51	3.209	3.209	0.000	97	178941	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.423	3.423	0.000	93	372804	10.0	10.6	
5 Chloromethane	50	3.563	3.563	0.000	99	102928	10.0	10.5	
6 Butane	43	3.755	3.755	0.000	99	165953	10.0	10.4	
7 Vinyl chloride	62	3.803	3.803	0.000	98	132763	10.0	10.8	
8 Butadiene	54	3.878	3.878	0.000	93	92194	10.0	10.4	
9 Bromomethane	94	4.547	4.547	0.000	99	144302	10.0	10.4	
10 Chloroethane	64	4.777	4.777	0.000	99	65465	10.0	10.5	
11 2-Methylbutane	43	4.841	4.841	0.000	91	112761	10.0	9.83	
12 Vinyl bromide	106	5.157	5.157	0.000	99	169183	10.0	10.5	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	98	400212	10.0	10.5	
14 Pentane	43	5.376	5.376	0.000	96	189558	10.0	10.4	
15 Ethanol	45	5.804	5.804	0.000	99	58425	15.0	15.3	
16 Ethyl ether	59	5.895	5.895	0.000	95	86055	10.0	10.7	
17 Acrolein	56	6.280	6.280	0.000	95	41527	10.0	13.7	
18 1,1,2-Trichloro-1,2,2-trif	101	6.286	6.286	0.000	95	317169	10.0	10.4	
20 1,1-Dichloroethene	96	6.344	6.344	0.000	93	151254	10.0	10.6	
21 Acetone	43	6.585	6.585	0.000	89	153320	10.0	9.83	
22 Carbon disulfide	76	6.740	6.740	0.000	98	382581	10.0	10.5	
23 Isopropyl alcohol	45	6.863	6.863	0.000	99	138526	10.0	9.37	
24 3-Chloro-1-propene	41	7.115	7.115	0.000	92	126757	10.0	10.5	
25 Acetonitrile	41	7.265	7.265	0.000	99	73804	10.0	9.98	
26 Methylene Chloride	49	7.409	7.409	0.000	85	132185	10.0	10.1	
28 2-Methyl-2-propanol	59	7.639	7.639	0.000	99	229496	10.0	9.68	
29 Methyl tert-butyl ether	73	7.800	7.800	0.000	96	416407	10.0	10.5	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	90	193989	10.0	10.6	
31 Acrylonitrile	53	8.003	8.003	0.000	96	89386	10.0	10.5	
32 Hexane	57	8.201	8.201	0.000	89	199848	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
33 1,1-Dichloroethane	63	8.709	8.709	0.000	99	258006	10.0	10.4	
34 Vinyl acetate	43	8.773	8.773	0.000	99	316412	10.0	10.9	
35 cis-1,2-Dichloroethene	96	9.816	9.816	0.000	95	188750	10.0	10.5	
36 2-Butanone (MEK)	72	9.865	9.865	0.000	99	77903	10.0	9.41	
37 Ethyl acetate	88	9.897	9.897	0.000	99	13732	10.0	10.5	
S 38 1,2-Dichloroethene, Total	61				0		20.0	21.0	
* 40 Chlorobromomethane	128	10.282	10.282	0.000	82	178277	10.0	10.0	
39 Tetrahydrofuran	42	10.287	10.287	0.000	87	142545	10.0	10.3	
41 Chloroform	83	10.410	10.410	0.000	99	345321	10.0	10.4	
42 Cyclohexane	84	10.656	10.656	0.000	85	247969	10.0	10.2	
43 1,1,1-Trichloroethane	97	10.688	10.688	0.000	97	364721	10.0	10.3	
44 Carbon tetrachloride	117	10.934	10.934	0.000	96	402821	10.0	11.0	
45 Isooctane	57	11.362	11.362	0.000	99	838004	10.0	10.4	
46 Benzene	78	11.416	11.416	0.000	93	573241	10.0	10.1	
47 1,2-Dichloroethane	62	11.609	11.609	0.000	97	204801	10.0	10.3	
48 n-Heptane	43	11.753	11.753	0.000	87	281469	10.0	10.3	
* 50 1,4-Difluorobenzene	114	12.267	12.267	0.000	92	967745	10.0	10.0	
51 n-Butanol	56	12.668	12.668	0.000	84	80367	10.0	8.55	
52 Trichloroethene	95	12.743	12.743	0.000	94	292790	10.0	10.3	
53 1,2-Dichloropropane	63	13.336	13.336	0.000	95	222412	10.0	10.4	
54 Methyl methacrylate	69	13.492	13.492	0.000	83	220565	10.0	10.3	
55 1,4-Dioxane	88	13.567	13.567	0.000	87	92901	10.0	8.75	
56 Dibromomethane	174	13.609	13.609	0.000	90	327060	10.0	9.55	
57 Dichlorobromomethane	83	13.909	13.909	0.000	98	431391	10.0	10.7	
58 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	88	355200	10.0	10.5	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	130098641	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	130345960	10.0	2645.1	
61 4-Methyl-2-pentanone (MIBK	43	15.177	15.177	0.000	93	383249	10.0	10.4	
A 63 Toluene Range	1		(15.472-15.492)				ND	ND	
62 Toluene	92	15.482	15.482	0.000	93	489691	10.0	10.1	
A 65 GRO	1	15.514	(15.514-15.514)		0	3568677	10.0	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	88	431541	10.0	10.3	
67 trans-1,3-Dichloropropene	75	16.102	16.102	0.000	93	354582	10.0	10.1	
68 1,1,2-Trichloroethane	83	16.487	16.487	0.000	96	230143	10.0	10.2	
69 Tetrachloroethene	166	16.589	16.589	0.000	95	484640	10.0	10.1	
70 2-Hexanone	43	16.942	16.942	0.000	92	370855	10.0	10.3	
71 Chlorodibromomethane	129	17.269	17.269	0.000	98	526159	10.0	11.3	
72 Ethylene Dibromide	107	17.552	17.552	0.000	98	460295	10.0	10.4	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	948006	10.0	10.0	
74 Chlorobenzene	112	18.520	18.520	0.000	98	705853	10.0	10.3	
75 Ethylbenzene	91	18.659	18.659	0.000	96	1069819	10.0	10.3	
76 n-Nonane	57	18.761	18.761	0.000	85	459000	10.0	10.3	
77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	903046	20.0	20.6	
78 o-Xylene	106	19.729	19.729	0.000	96	445933	10.0	10.3	
79 Styrene	104	19.778	19.778	0.000	98	704947	10.0	10.4	
S 80 Xylenes, Total	106				0		30.0	30.9	
81 Bromoform	173	20.189	20.189	0.000	100	564392	10.0	13.0	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	1267613	10.0	10.2	
* 83 4-Bromofluorobenzene	95	20.724	20.724	0.000	98	634785	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.992	20.992	0.000	98	581197	10.0	9.98	
86 N-Propylbenzene	91	21.045	21.045	0.000	100	1487902	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.088	21.088	0.000	96	457424	10.0	10.3	
88 n-Decane	57	21.190	21.190	0.000	84	595025	10.0	10.5	
89 4-Ethyltoluene	105	21.227	21.227	0.000	98	1289537	10.0	10.3	
90 2-Chlorotoluene	91	21.243	21.243	0.000	96	1003429	10.0	10.3	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	94	1069946	10.0	10.4	
92 Alpha Methyl Styrene	118	21.682	21.682	0.000	92	587298	10.0	10.8	
93 tert-Butylbenzene	119	21.800	21.800	0.000	96	1059064	10.0	10.3	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	96	1074809	10.0	10.4	
95 sec-Butylbenzene	105	22.110	22.110	0.000	99	1563449	10.0	10.4	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	98	1372257	10.0	10.4	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	99	822626	10.0	10.3	
98 1,4-Dichlorobenzene	146	22.495	22.495	0.000	97	831794	10.0	10.3	
99 Benzyl chloride	91	22.698	22.698	0.000	100	945439	10.0	11.2	
100 Undecane	57	22.896	22.896	0.000	71	620516	10.0	10.7	
101 n-Butylbenzene	91	22.902	22.902	0.000	96	1164033	10.0	10.4	
102 1,2-Dichlorobenzene	146	23.052	23.052	0.000	99	776660	10.0	10.3	
103 Dodecane	57	24.549	24.549	0.000	93	584392	10.0	11.0	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	93	689770	10.0	9.91	
105 Hexachlorobutadiene	225	25.871	25.871	0.000	99	644122	10.0	9.94	
106 Naphthalene	128	26.219	26.219	0.000	99	1470735	10.0	11.0	
107 1,2,3-Trichlorobenzene	180	26.727	26.727	0.000	95	669275	10.0	10.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00478	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

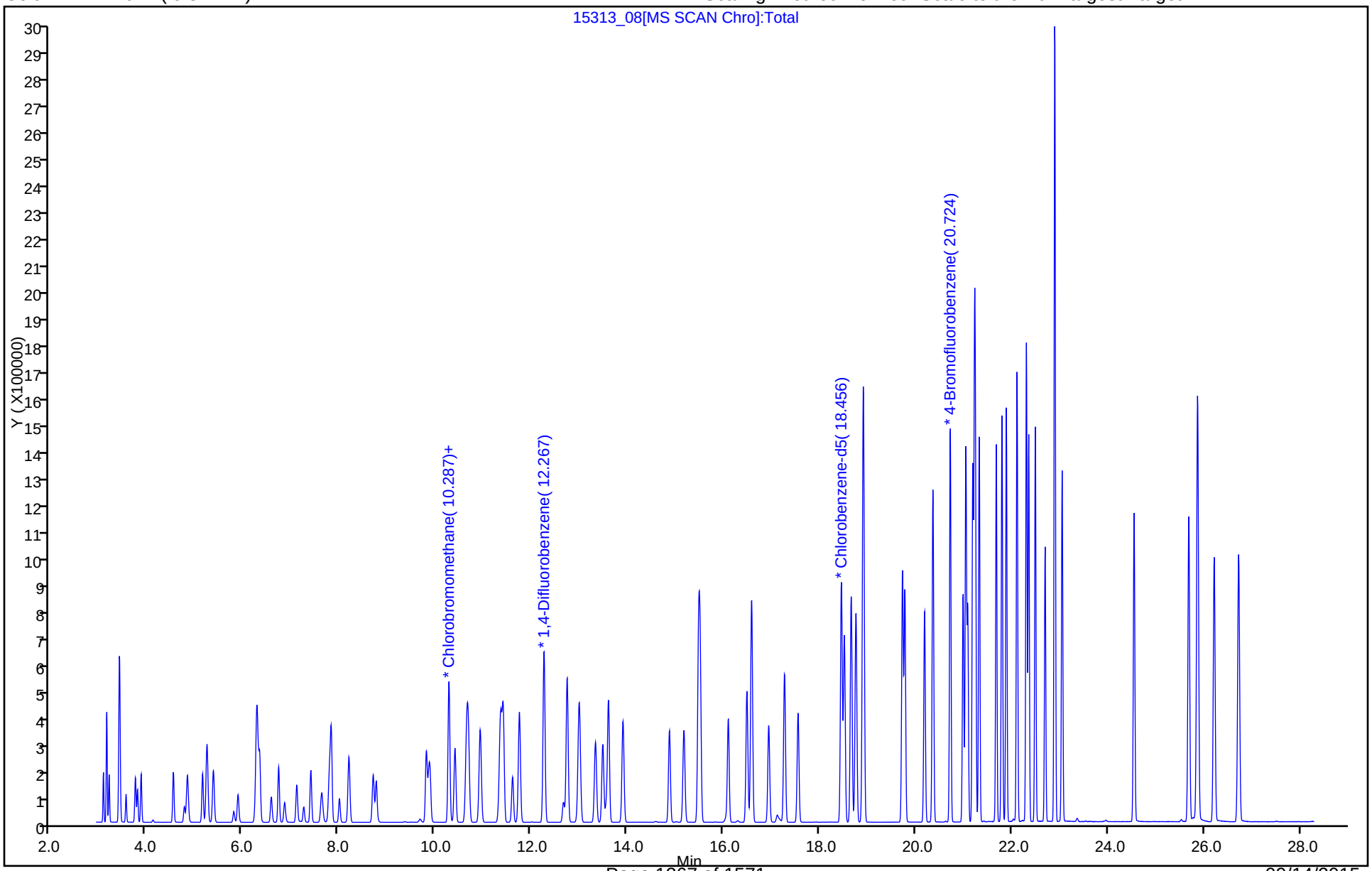
Report Date: 18-Aug-2015 11:12:31 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_08.D

Injection Date:	17-Aug-2015 21:23:30	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_LLNJ_TO3_CHX.i.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\20150817-15313.b\15313_09.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Aug-2015 22:13:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-009
Misc. Info.: ic-06
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:32 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:25:50

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	3.092	3.092	0.000	99	115606	15.0	15.2	
2 Dichlorodifluoromethane	85	3.162	3.161	0.001	99	536300	15.0	15.1	
3 Chlorodifluoromethane	51	3.210	3.209	0.001	97	257975	15.0	15.0	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.424	3.423	0.001	96	544022	15.0	15.1	
5 Chloromethane	50	3.563	3.563	0.000	99	151010	15.0	15.1	
6 Butane	43	3.755	3.755	0.000	99	239444	15.0	14.6	
7 Vinyl chloride	62	3.803	3.803	0.000	98	196764	15.0	15.6	
8 Butadiene	54	3.878	3.878	0.000	94	135999	15.0	15.0	
9 Bromomethane	94	4.547	4.547	0.000	99	213878	15.0	15.0	
10 Chloroethane	64	4.777	4.777	0.000	99	96102	15.0	15.1	
11 2-Methylbutane	43	4.841	4.841	0.000	91	164678	15.0	14.0	
12 Vinyl bromide	106	5.157	5.157	0.000	99	249053	15.0	15.1	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	98	589227	15.0	15.0	
14 Pentane	43	5.382	5.376	0.006	96	274252	15.0	14.7	
15 Ethanol	45	5.804	5.804	0.000	98	78878	20.0	20.1	
16 Ethyl ether	59	5.890	5.895	-0.005	94	128246	15.0	15.6	
17 Acrolein	56	6.280	6.280	0.000	96	55901	15.0	18.1	
18 1,1,2-Trichloro-1,2,2-trif	101	6.291	6.286	0.005	95	472941	15.0	15.1	
20 1,1-Dichloroethene	96	6.345	6.344	0.001	93	222376	15.0	15.2	
21 Acetone	43	6.585	6.585	0.000	89	245235	15.0	15.3	
22 Carbon disulfide	76	6.740	6.740	0.000	98	563694	15.0	15.1	
23 Isopropyl alcohol	45	6.858	6.863	-0.005	99	247161	15.0	16.3	
24 3-Chloro-1-propene	41	7.115	7.115	0.000	92	189105	15.0	15.3	
25 Acetonitrile	41	7.265	7.265	0.000	100	117962	15.0	15.6	
26 Methylene Chloride	49	7.409	7.409	0.000	84	191942	15.0	14.3	
28 2-Methyl-2-propanol	59	7.629	7.639	-0.010	99	390536	15.0	16.1	
29 Methyl tert-butyl ether	73	7.805	7.800	0.005	96	611053	15.0	15.1	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	90	282198	15.0	15.0	
31 Acrylonitrile	53	8.003	8.003	0.000	95	133120	15.0	15.2	
32 Hexane	57	8.201	8.201	0.000	89	291527	15.0	14.6	

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	8.709	8.709	0.000	99	379683	15.0	14.9	
34 Vinyl acetate	43	8.773	8.773	0.000	99	460901	15.0	15.5	
35 cis-1,2-Dichloroethene	96	9.817	9.816	0.001	94	279699	15.0	15.1	
36 2-Butanone (MEK)	72	9.859	9.865	-0.006	100	120992	15.0	14.3	
37 Ethyl acetate	88	9.897	9.897	0.000	97	20908	15.0	15.6	
S 38 1,2-Dichloroethene, Total	61				0		30.0	30.1	
* 40 Chlorobromomethane	128	10.287	10.282	0.005	77	182726	10.0	10.0	
39 Tetrahydrofuran	42	10.282	10.287	-0.005	95	213592	15.0	15.3	
41 Chloroform	83	10.410	10.410	0.000	99	508708	15.0	15.0	
42 Cyclohexane	84	10.651	10.656	-0.005	85	367117	15.0	15.0	
43 1,1,1-Trichloroethane	97	10.689	10.688	0.001	97	538511	15.0	15.1	
44 Carbon tetrachloride	117	10.940	10.934	0.006	96	595426	15.0	16.0	
45 Isooctane	57	11.363	11.362	0.001	99	1231099	15.0	15.1	
46 Benzene	78	11.416	11.416	0.000	93	850668	15.0	14.9	
47 1,2-Dichloroethane	62	11.614	11.609	0.005	97	301746	15.0	15.1	
48 n-Heptane	43	11.753	11.753	0.000	87	408033	15.0	14.8	
* 50 1,4-Difluorobenzene	114	12.267	12.267	0.000	92	977549	10.0	10.0	
51 n-Butanol	56	12.663	12.668	-0.005	83	156227	15.0	16.5	
52 Trichloroethene	95	12.748	12.743	0.005	94	409861	15.0	14.3	
53 1,2-Dichloropropane	63	13.337	13.336	0.001	95	327591	15.0	15.1	
54 Methyl methacrylate	69	13.486	13.492	-0.006	83	329938	15.0	15.3	
55 1,4-Dioxane	88	13.556	13.567	-0.011	86	172495	15.0	16.1	
56 Dibromomethane	174	13.610	13.609	0.001	90	496840	15.0	14.4	
57 Dichlorobromomethane	83	13.909	13.909	0.000	98	636254	15.0	15.6	
58 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	87	521087	15.0	15.3	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	192696159	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	192696159	15.0	3871.2	
61 4-Methyl-2-pentanone (MIBK	43	15.172	15.177	-0.005	93	567275	15.0	15.2	
A 63 Toluene Range	1		(15.472-15.492)				ND	ND	
62 Toluene	92	15.482	15.482	0.000	93	727136	15.0	14.9	
A 65 GRO	1	15.514	(15.514-15.514)		0	5270307	15.0	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	88	626206	15.0	14.8	
67 trans-1,3-Dichloropropene	75	16.102	16.102	0.000	93	525377	15.0	14.8	
68 1,1,2-Trichloroethane	83	16.488	16.487	0.001	96	344310	15.0	15.1	
69 Tetrachloroethene	166	16.589	16.589	0.000	95	721350	15.0	14.8	
70 2-Hexanone	43	16.942	16.942	0.000	92	552940	15.0	15.2	
71 Chlorodibromomethane	129	17.274	17.269	0.005	98	773759	15.0	16.4	
72 Ethylene Dibromide	107	17.552	17.552	0.000	99	689606	15.0	15.4	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	959414	10.0	10.0	
74 Chlorobenzene	112	18.521	18.520	0.001	98	1050334	15.0	15.1	
75 Ethylbenzene	91	18.660	18.659	0.001	96	1587982	15.0	15.1	
76 n-Nonane	57	18.761	18.761	0.000	85	673141	15.0	14.9	
77 m-Xylene & p-Xylene	106	18.916	18.911	0.005	99	1343786	30.0	30.3	
78 o-Xylene	106	19.730	19.729	0.001	95	663048	15.0	15.1	
79 Styrene	104	19.778	19.778	0.000	98	1044542	15.0	15.2	
S 80 Xylenes, Total	106				0		45.0	45.4	
81 Bromoform	173	20.190	20.189	0.001	100	800301	15.0	18.2	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	1904124	15.0	15.2	
* 83 4-Bromofluorobenzene	95	20.725	20.724	0.001	98	639878	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.992	20.992	0.000	98	920841	15.0	15.6	
86 N-Propylbenzene	91	21.046	21.045	0.001	100	2210049	15.0	15.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.088	21.088	0.000	96	680056	15.0	15.1	
88 n-Decane	57	21.190	21.190	0.000	83	873541	15.0	15.3	
89 4-Ethyltoluene	105	21.227	21.227	0.000	98	1926124	15.0	15.2	
90 2-Chlorotoluene	91	21.249	21.243	0.006	96	1490410	15.0	15.1	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	95	1591961	15.0	15.2	
92 Alpha Methyl Styrene	118	21.682	21.682	0.000	92	870386	15.0	15.8	
93 tert-Butylbenzene	119	21.800	21.800	0.000	96	1582555	15.0	15.2	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	96	1601792	15.0	15.3	
95 sec-Butylbenzene	105	22.116	22.110	0.006	99	2334756	15.0	15.3	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	98	2059610	15.0	15.4	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	99	1224566	15.0	15.2	
98 1,4-Dichlorobenzene	146	22.495	22.495	0.000	97	1233878	15.0	15.1	
99 Benzyl chloride	91	22.699	22.698	0.001	100	1368379	15.0	16.1	
100 Undecane	57	22.897	22.896	0.001	71	905738	15.0	15.4	
101 n-Butylbenzene	91	22.902	22.902	0.000	96	1663811	15.0	14.8	
102 1,2-Dichlorobenzene	146	23.052	23.052	0.000	99	1161892	15.0	15.2	
103 Dodecane	57	24.550	24.549	0.001	93	843183	15.0	15.7	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	93	1040101	15.0	14.8	
105 Hexachlorobutadiene	225	25.871	25.871	0.000	99	998827	15.0	15.2	
106 Naphthalene	128	26.219	26.219	0.000	99	1863786	15.0	13.8	
107 1,2,3-Trichlorobenzene	180	26.727	26.727	0.000	96	973583	15.0	15.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

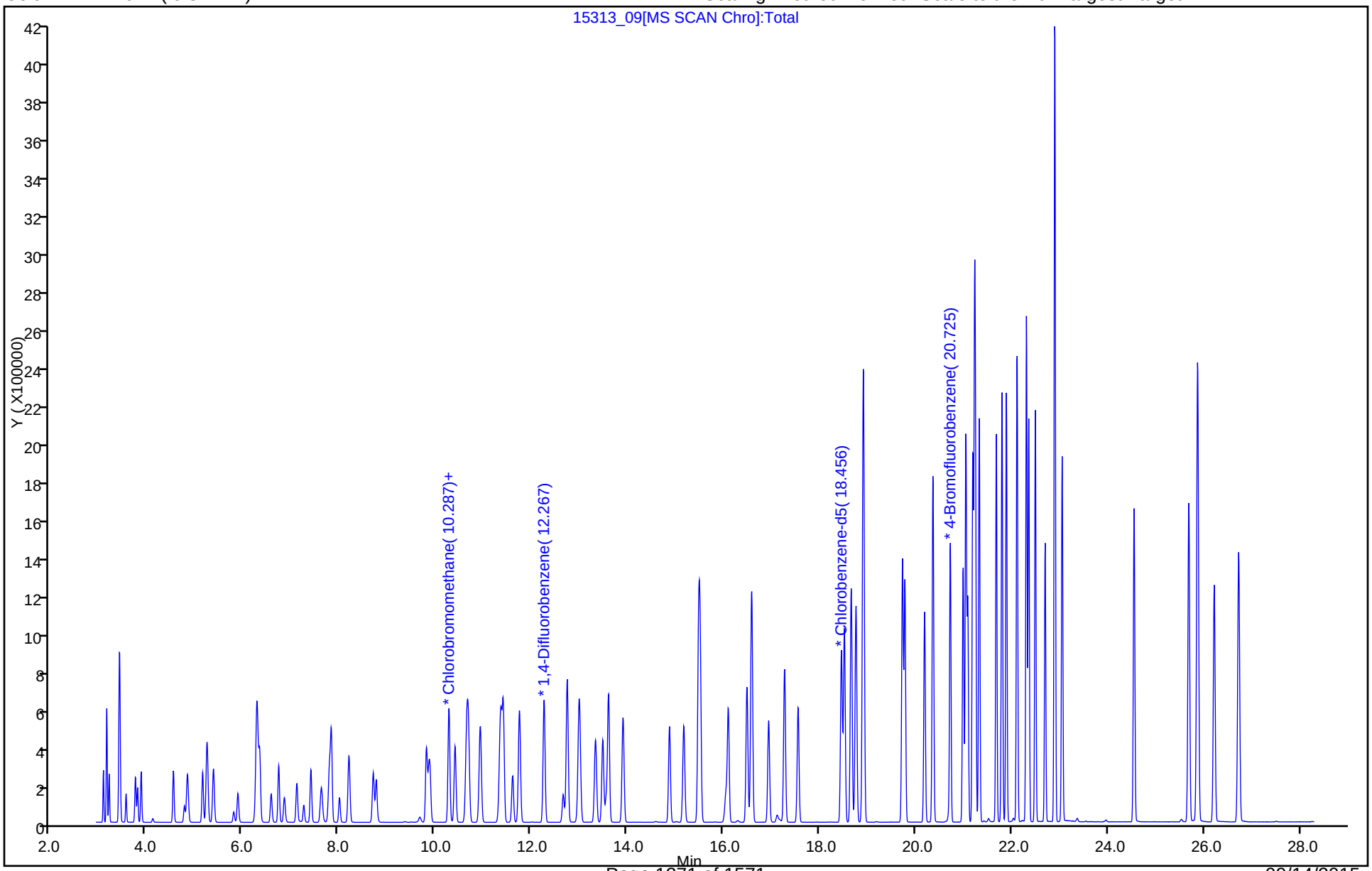
ATTO15CAL5w_00055	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_09.D

Injection Date:	17-Aug-2015 22:13:30	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_LLNJ_TO3_CHX.i.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\20150817-15313.b\15313_10.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Aug-2015 23:02:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-010
Misc. Info.: ic-07
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:34 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:26:44

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	3.092	3.092	0.000	99	147627	20.0	18.6	
2 Dichlorodifluoromethane	85	3.161	3.161	0.000	99	688331	20.0	18.5	
3 Chlorodifluoromethane	51	3.210	3.209	0.001	97	327136	20.0	18.2	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.429	3.423	0.006	93	696918	20.0	18.4	
5 Chloromethane	50	3.563	3.563	0.000	99	190924	20.0	18.2	
6 Butane	43	3.761	3.755	0.006	99	302089	20.0	17.6	
7 Vinyl chloride	62	3.803	3.803	0.000	98	248778	20.0	18.8	
8 Butadiene	54	3.878	3.878	0.000	93	172388	20.0	18.2	
9 Bromomethane	94	4.552	4.547	0.005	99	279157	20.0	18.7	
10 Chloroethane	64	4.777	4.777	0.000	99	122905	20.0	18.4	
11 2-Methylbutane	43	4.841	4.841	0.000	90	206973	20.0	16.8	
12 Vinyl bromide	106	5.157	5.157	0.000	99	320535	20.0	18.6	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	98	757146	20.0	18.5	
14 Pentane	43	5.382	5.376	0.006	96	348993	20.0	17.8	
15 Ethanol	45	5.804	5.804	0.000	97	152414	40.0	37.1	
16 Ethyl ether	59	5.890	5.895	-0.005	94	164407	20.0	19.1	
17 Acrolein	56	6.280	6.280	0.000	97	57144	20.0	17.6	
18 1,1,2-Trichloro-1,2,2-trif	101	6.291	6.286	0.005	95	606055	20.0	18.5	
20 1,1-Dichloroethene	96	6.345	6.344	0.000	93	288899	20.0	18.8	
21 Acetone	43	6.585	6.585	0.000	89	332279	20.0	19.9	
22 Carbon disulfide	76	6.740	6.740	0.000	98	735941	20.0	18.9	
23 Isopropyl alcohol	45	6.858	6.863	-0.005	99	322857	20.0	20.4	
24 3-Chloro-1-propene	41	7.120	7.115	0.005	91	236424	20.0	18.3	
25 Acetonitrile	41	7.265	7.265	0.000	100	151523	20.0	19.1	
26 Methylene Chloride	49	7.414	7.409	0.005	84	245762	20.0	17.4	
28 2-Methyl-2-propanol	59	7.628	7.639	-0.011	99	506551	20.0	19.9	
29 Methyl tert-butyl ether	73	7.800	7.800	0.000	96	791200	20.0	18.6	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	90	362220	20.0	18.4	
31 Acrylonitrile	53	8.008	8.003	0.005	95	170432	20.0	18.6	
32 Hexane	57	8.206	8.201	0.005	88	371423	20.0	17.7	

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	8.709	8.709	0.000	99	484720	20.0	18.2	
34 Vinyl acetate	43	8.773	8.773	0.000	99	576389	20.0	18.5	
35 cis-1,2-Dichloroethene	96	9.816	9.816	0.000	94	360505	20.0	18.6	
36 2-Butanone (MEK)	72	9.865	9.865	0.000	100	157943	20.0	17.8	
37 Ethyl acetate	88	9.891	9.897	-0.006	97	26996	20.0	19.2	
S 38 1,2-Dichloroethene, Total	61				0		40.0	37.0	
* 40 Chlorobromomethane	128	10.287	10.282	0.005	77	191191	10.0	10.0	
39 Tetrahydrofuran	42	10.282	10.287	-0.005	89	271947	20.0	19.5	
41 Chloroform	83	10.416	10.410	0.006	99	656531	20.0	18.5	
42 Cyclohexane	84	10.656	10.656	0.000	85	473473	20.0	19.3	
43 1,1,1-Trichloroethane	97	10.694	10.688	0.006	97	692478	20.0	19.4	
44 Carbon tetrachloride	117	10.940	10.934	0.006	96	665674	20.0	17.9	
45 Isooctane	57	11.363	11.362	0.001	99	1581525	20.0	19.3	
46 Benzene	78	11.421	11.416	0.005	93	1094952	20.0	19.1	
47 1,2-Dichloroethane	62	11.614	11.609	0.005	97	386358	20.0	19.2	
48 n-Heptane	43	11.753	11.753	0.000	86	515909	20.0	18.7	
* 50 1,4-Difluorobenzene	114	12.267	12.267	0.000	92	980749	10.0	10.0	
51 n-Butanol	56	12.668	12.668	0.000	82	199142	20.0	20.9	
52 Trichloroethene	95	12.748	12.743	0.005	93	571789	20.0	19.8	
53 1,2-Dichloropropane	63	13.337	13.336	0.001	95	422687	20.0	19.4	
54 Methyl methacrylate	69	13.486	13.492	-0.006	83	424575	20.0	19.6	
55 1,4-Dioxane	88	13.561	13.567	-0.006	86	231199	20.0	21.5	
56 Dibromomethane	174	13.609	13.609	0.000	89	707881	20.0	20.4	
57 Dichlorobromomethane	83	13.909	13.909	0.000	98	790218	20.0	19.3	
58 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	87	676517	20.0	19.8	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	247590119	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	247590119	20.0	4957.8	
61 4-Methyl-2-pentanone (MIBK	43	15.177	15.177	0.000	92	719425	20.0	19.2	
A 63 Toluene Range	1		(15.472-15.492)				ND	ND	
62 Toluene	92	15.482	15.482	0.000	93	957398	20.0	19.5	
A 65 GRO	1	15.514	(15.514-15.514)		0	6820846	20.0	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	86	785212	20.0	18.5	
67 trans-1,3-Dichloropropene	75	16.102	16.102	0.000	93	670483	20.0	18.8	
68 1,1,2-Trichloroethane	83	16.493	16.487	0.006	96	445240	20.0	19.5	
69 Tetrachloroethene	166	16.589	16.589	0.000	95	952351	20.0	19.5	
70 2-Hexanone	43	16.937	16.942	-0.005	92	703504	20.0	19.3	
71 Chlorodibromomethane	129	17.274	17.269	0.005	98	893824	20.0	18.9	
72 Ethylene Dibromide	107	17.557	17.552	0.005	98	894793	20.0	19.9	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	81	962947	10.0	10.0	
74 Chlorobenzene	112	18.520	18.520	0.000	99	1373195	20.0	19.7	
75 Ethylbenzene	91	18.660	18.659	0.001	96	2067415	20.0	19.6	
76 n-Nonane	57	18.761	18.761	0.000	85	862327	20.0	19.0	
77 m-Xylene & p-Xylene	106	18.916	18.911	0.005	99	1753357	40.0	39.3	
78 o-Xylene	106	19.729	19.729	0.000	96	864306	20.0	19.6	
79 Styrene	104	19.778	19.778	0.000	98	1340404	20.0	19.5	
S 80 Xylenes, Total	106				0		60.0	59.0	
81 Bromoform	173	20.190	20.189	0.001	99	747541	20.0	16.9	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	2455967	20.0	19.5	
* 83 4-Bromofluorobenzene	95	20.725	20.724	0.000	98	639653	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.992	20.992	0.000	98	1095183	20.0	18.5	
86 N-Propylbenzene	91	21.051	21.045	0.006	100	2862524	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
87 1,2,3-Trichloropropane	75	21.088	21.088	0.000	96	869202	20.0	19.3	
88 n-Decane	57	21.190	21.190	0.000	83	1097936	20.0	19.1	
89 4-Ethyltoluene	105	21.227	21.227	0.000	98	2485215	20.0	19.6	
90 2-Chlorotoluene	91	21.249	21.243	0.006	96	1925859	20.0	19.4	
91 1,3,5-Trimethylbenzene	105	21.329	21.324	0.005	95	2060828	20.0	19.7	
92 Alpha Methyl Styrene	118	21.682	21.682	0.000	92	1022373	20.0	18.5	
93 tert-Butylbenzene	119	21.800	21.800	0.000	96	2043539	20.0	19.6	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	95	2074788	20.0	19.7	
95 sec-Butylbenzene	105	22.115	22.110	0.005	99	3012184	20.0	19.7	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	98	2603395	20.0	19.4	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	99	1619152	20.0	20.0	
98 1,4-Dichlorobenzene	146	22.495	22.495	0.000	97	1636540	20.0	20.0	
99 Benzyl chloride	91	22.699	22.698	0.001	100	1593524	20.0	18.6	
100 Undecane	57	22.896	22.896	0.000	73	1142006	20.0	19.4	
101 n-Butylbenzene	91	22.902	22.902	0.000	96	1974285	20.0	17.4	
102 1,2-Dichlorobenzene	146	23.052	23.052	0.000	99	1522188	20.0	19.9	
103 Dodecane	57	24.550	24.549	0.001	93	1092276	20.0	20.3	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	93	1486418	20.0	21.0	
105 Hexachlorobutadiene	225	25.876	25.871	0.005	99	1311617	20.0	19.9	
106 Naphthalene	128	26.219	26.219	0.000	99	2882160	20.0	21.3	
107 1,2,3-Trichlorobenzene	180	26.727	26.727	0.000	95	1380654	20.0	21.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00111	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

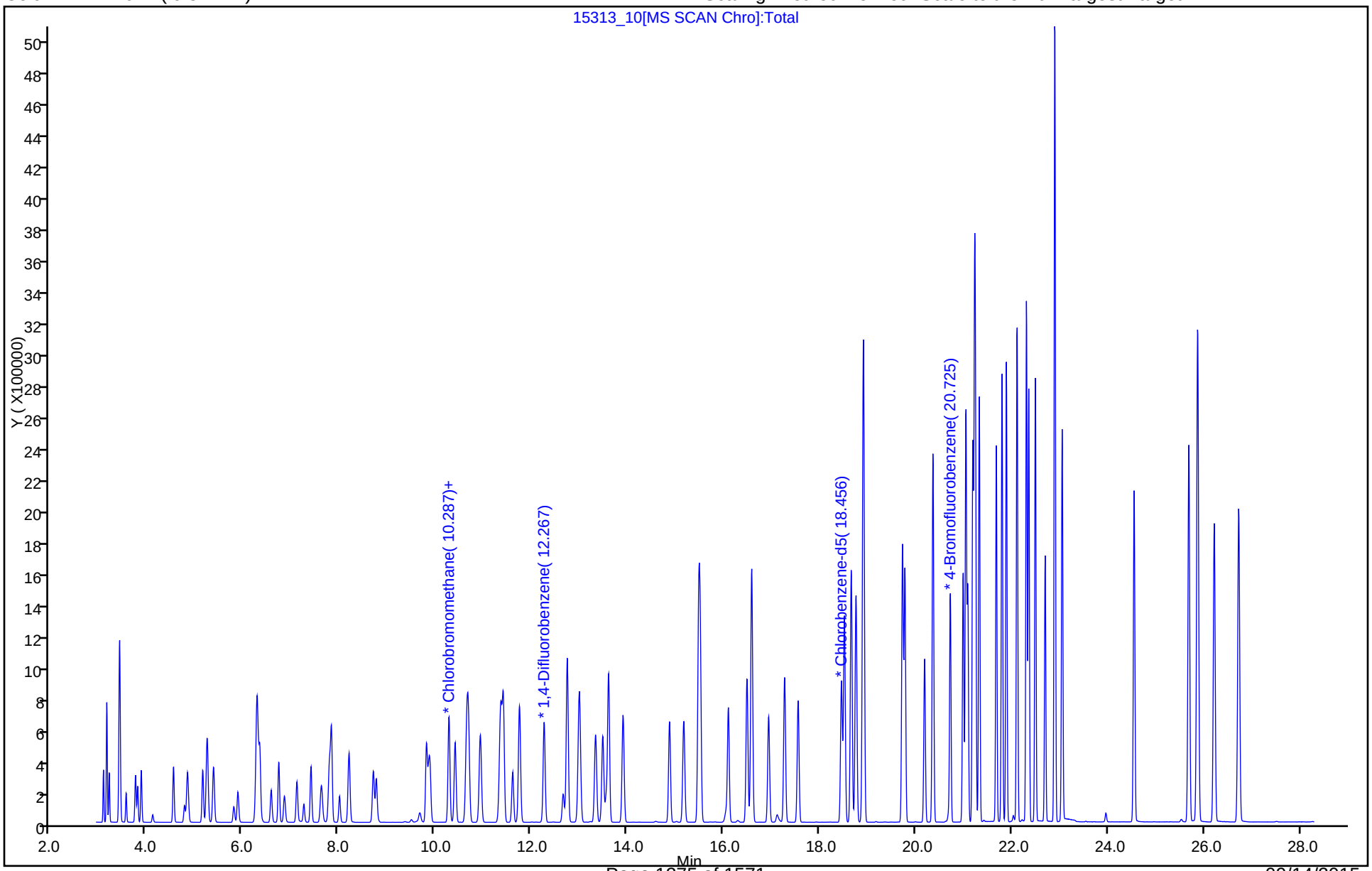
Report Date: 18-Aug-2015 11:12:34 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_10.D

Injection Date:	17-Aug-2015 23:02:30	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_LLNJ_TO3_CHX.i.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\20150817-15313.b\15313_11.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Aug-2015 23:52:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-011
Misc. Info.: ic-08
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:36 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 09:27:40

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	3.092	3.092	0.000	99	293103	40.0	36.1	
2 Dichlorodifluoromethane	85	3.161	3.161	0.000	99	1416178	40.0	37.2	
3 Chlorodifluoromethane	51	3.209	3.209	0.000	97	673303	40.0	36.6	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.429	3.423	0.006	94	1436768	40.0	37.1	
5 Chloromethane	50	3.568	3.563	0.005	99	393541	40.0	36.7	
6 Butane	43	3.760	3.755	0.005	98	611813	40.0	34.8	
7 Vinyl chloride	62	3.809	3.803	0.006	98	512756	40.0	38.0	
8 Butadiene	54	3.884	3.878	0.006	93	353849	40.0	36.5	
9 Bromomethane	94	4.552	4.547	0.005	99	581679	40.0	38.0	
10 Chloroethane	64	4.782	4.777	0.005	99	256075	40.0	37.5	
11 2-Methylbutane	43	4.846	4.841	0.005	90	426323	40.0	33.9	
12 Vinyl bromide	106	5.162	5.157	0.005	99	670234	40.0	38.0	
13 Trichlorofluoromethane	101	5.253	5.248	0.005	98	1570842	40.0	37.4	
14 Pentane	43	5.387	5.376	0.011	96	707953	40.0	35.3	
15 Ethanol	45	5.815	5.804	0.011	97	370809	100.0	88.3	
16 Ethyl ether	59	5.890	5.895	-0.005	92	334842	40.0	38.0	
17 Acrolein	56	6.286	6.280	0.006	57	57386	40.0	17.3	
18 1,1,2-Trichloro-1,2,2-trif	101	6.296	6.286	0.010	94	1256523	40.0	37.4	
20 1,1-Dichloroethene	96	6.350	6.344	0.006	93	596610	40.0	38.0	
21 Acetone	43	6.585	6.585	0.000	89	604454	40.0	35.3	
22 Carbon disulfide	76	6.746	6.740	0.006	98	1508299	40.0	37.8	
23 Isopropyl alcohol	45	6.869	6.863	0.006	99	624384	40.0	38.5	
24 3-Chloro-1-propene	41	7.120	7.115	0.005	91	443769	40.0	33.5	
25 Acetonitrile	41	7.270	7.265	0.005	100	301814	40.0	37.2	
26 Methylene Chloride	49	7.414	7.409	0.005	83	492671	40.0	34.2	
28 2-Methyl-2-propanol	59	7.634	7.639	-0.005	99	1005737	40.0	38.7	
29 Methyl tert-butyl ether	73	7.800	7.800	0.000	95	1622319	40.0	37.3	
30 trans-1,2-Dichloroethene	61	7.842	7.837	0.005	89	738694	40.0	36.6	
31 Acrylonitrile	53	8.014	8.003	0.011	95	351437	40.0	37.5	
32 Hexane	57	8.206	8.201	0.005	88	760933	40.0	35.5	

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	8.714	8.709	0.005	99	998726	40.0	36.7	
34 Vinyl acetate	43	8.779	8.773	0.006	99	1181596	40.0	37.0	
35 cis-1,2-Dichloroethene	96	9.822	9.816	0.006	93	748190	40.0	37.8	
36 2-Butanone (MEK)	72	9.865	9.865	-0.001	100	317730	40.0	35.0	
37 Ethyl acetate	88	9.891	9.897	-0.006	98	54940	40.0	38.2	
S 38 1,2-Dichloroethene, Total	61				0		80.0	74.4	
* 40 Chlorobromomethane	128	10.292	10.282	0.010	81	195650	10.0	10.0	
39 Tetrahydrofuran	42	10.282	10.287	-0.005	88	550582	40.0	38.4	
41 Chloroform	83	10.416	10.410	0.006	99	1352467	40.0	37.2	
42 Cyclohexane	84	10.662	10.656	0.006	84	974894	40.0	38.7	
43 1,1,1-Trichloroethane	97	10.694	10.688	0.006	96	1444367	40.0	39.4	
44 Carbon tetrachloride	117	10.940	10.934	0.006	96	1607404	40.0	42.1	
45 Isooctane	57	11.368	11.362	0.006	99	3206482	40.0	38.1	
46 Benzene	78	11.421	11.416	0.005	93	2248333	40.0	38.3	
47 1,2-Dichloroethane	62	11.614	11.609	0.005	97	795366	40.0	38.6	
48 n-Heptane	43	11.758	11.753	0.005	85	1041893	40.0	36.8	
* 50 1,4-Difluorobenzene	114	12.272	12.267	0.005	92	1006086	10.0	10.0	
51 n-Butanol	56	12.662	12.668	-0.006	83	406800	40.0	41.6	
52 Trichloroethene	95	12.748	12.743	0.005	93	1099379	40.0	37.1	
53 1,2-Dichloropropane	63	13.342	13.336	0.006	95	869152	40.0	38.9	
54 Methyl methacrylate	69	13.492	13.492	0.000	81	879348	40.0	39.5	
55 1,4-Dioxane	88	13.561	13.567	-0.006	86	438987	40.0	39.8	
56 Dibromomethane	174	13.615	13.609	0.006	89	1379467	40.0	38.8	
57 Dichlorobromomethane	83	13.914	13.909	0.005	98	1690582	40.0	40.3	
58 cis-1,3-Dichloropropene	75	14.883	14.877	0.006	87	1404582	40.0	40.1	
A 59 Total Hydrocarbons	1	14.971	(3.054-26.887)		0	505294747	NC	NC	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	505294747	40.0	9863.3	
61 4-Methyl-2-pentanone (MIBK	43	15.177	15.177	0.000	91	1452676	40.0	37.8	
A 63 Toluene Range	1		(15.472-15.492)				ND	ND	
62 Toluene	92	15.487	15.482	0.005	93	1950494	40.0	38.6	
A 65 GRO	1	15.514	(15.514-15.514)		0	13768992	40.0	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.519	15.514	0.005	84	1552346	40.0	35.6	
67 trans-1,3-Dichloropropene	75	16.108	16.102	0.006	92	1391292	40.0	38.1	
68 1,1,2-Trichloroethane	83	16.493	16.487	0.006	96	919569	40.0	39.0	
69 Tetrachloroethene	166	16.594	16.589	0.005	94	1986893	40.0	39.5	
70 2-Hexanone	43	16.942	16.942	0.000	91	1419344	40.0	37.8	
71 Chlorodibromomethane	129	17.279	17.269	0.010	98	2061192	40.0	42.3	
72 Ethylene Dibromide	107	17.557	17.552	0.005	98	1857346	40.0	40.1	
* 73 Chlorobenzene-d5	117	18.461	18.456	0.005	81	992254	10.0	10.0	
74 Chlorobenzene	112	18.520	18.520	0.000	99	2853671	40.0	39.7	
75 Ethylbenzene	91	18.665	18.659	0.006	96	4271792	40.0	39.2	
76 n-Nonane	57	18.761	18.761	0.000	84	1735272	40.0	37.1	
77 m-Xylene & p-Xylene	106	18.916	18.911	0.005	99	3608247	80.0	78.6	
78 o-Xylene	106	19.735	19.729	0.006	96	1787948	40.0	39.4	
79 Styrene	104	19.783	19.778	0.005	98	2842089	40.0	40.1	
S 80 Xylenes, Total	106				0		120.0	117.9	
81 Bromoform	173	20.189	20.189	0.000	99	2000470	40.0	43.9	
82 Isopropylbenzene	105	20.366	20.361	0.005	94	5117881	40.0	39.5	
* 83 4-Bromofluorobenzene	95	20.724	20.724	0.000	98	653208	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.992	20.992	0.000	98	2408856	40.0	39.5	
86 N-Propylbenzene	91	21.051	21.045	0.006	100	5852479	40.0	38.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.088	21.088	0.000	96	1774249	40.0	38.2	
88 n-Decane	57	21.195	21.190	0.005	82	2060487	40.0	34.8	
89 4-Ethyltoluene	105	21.233	21.227	0.006	98	5007218	40.0	38.3	
90 2-Chlorotoluene	91	21.249	21.243	0.006	96	3914379	40.0	38.2	
91 1,3,5-Trimethylbenzene	105	21.329	21.324	0.005	94	4103368	40.0	38.0	
92 Alpha Methyl Styrene	118	21.687	21.682	0.005	92	2253838	40.0	39.6	
93 tert-Butylbenzene	119	21.805	21.800	0.005	96	4010081	40.0	37.2	
94 1,2,4-Trimethylbenzene	105	21.896	21.891	0.005	96	4040427	40.0	37.3	
95 sec-Butylbenzene	105	22.115	22.110	0.005	99	5801638	40.0	36.9	
96 4-Isopropyltoluene	119	22.313	22.308	0.005	98	5332076	40.0	38.5	
97 1,3-Dichlorobenzene	146	22.361	22.356	0.005	99	3132687	40.0	37.6	
98 1,4-Dichlorobenzene	146	22.501	22.495	0.005	97	3154352	40.0	37.4	
99 Benzyl chloride	91	22.698	22.698	0.000	100	3480432	40.0	39.5	
100 Undecane	57	22.902	22.896	0.006	89	2169541	40.0	35.7	
101 n-Butylbenzene	91	22.902	22.902	0.000	96	4370458	40.0	37.5	
102 1,2-Dichlorobenzene	146	23.057	23.052	0.005	99	2985410	40.0	37.8	
103 Dodecane	57	24.549	24.549	0.000	93	1545129	40.0	27.9	
104 1,2,4-Trichlorobenzene	180	25.694	25.689	0.005	93	2970105	40.0	40.8	
105 Hexachlorobutadiene	225	25.876	25.871	0.005	99	2625229	40.0	38.7	
106 Naphthalene	128	26.224	26.219	0.005	99	5763656	40.0	41.3	
107 1,2,3-Trichlorobenzene	180	26.732	26.727	0.005	96	2527390	40.0	37.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

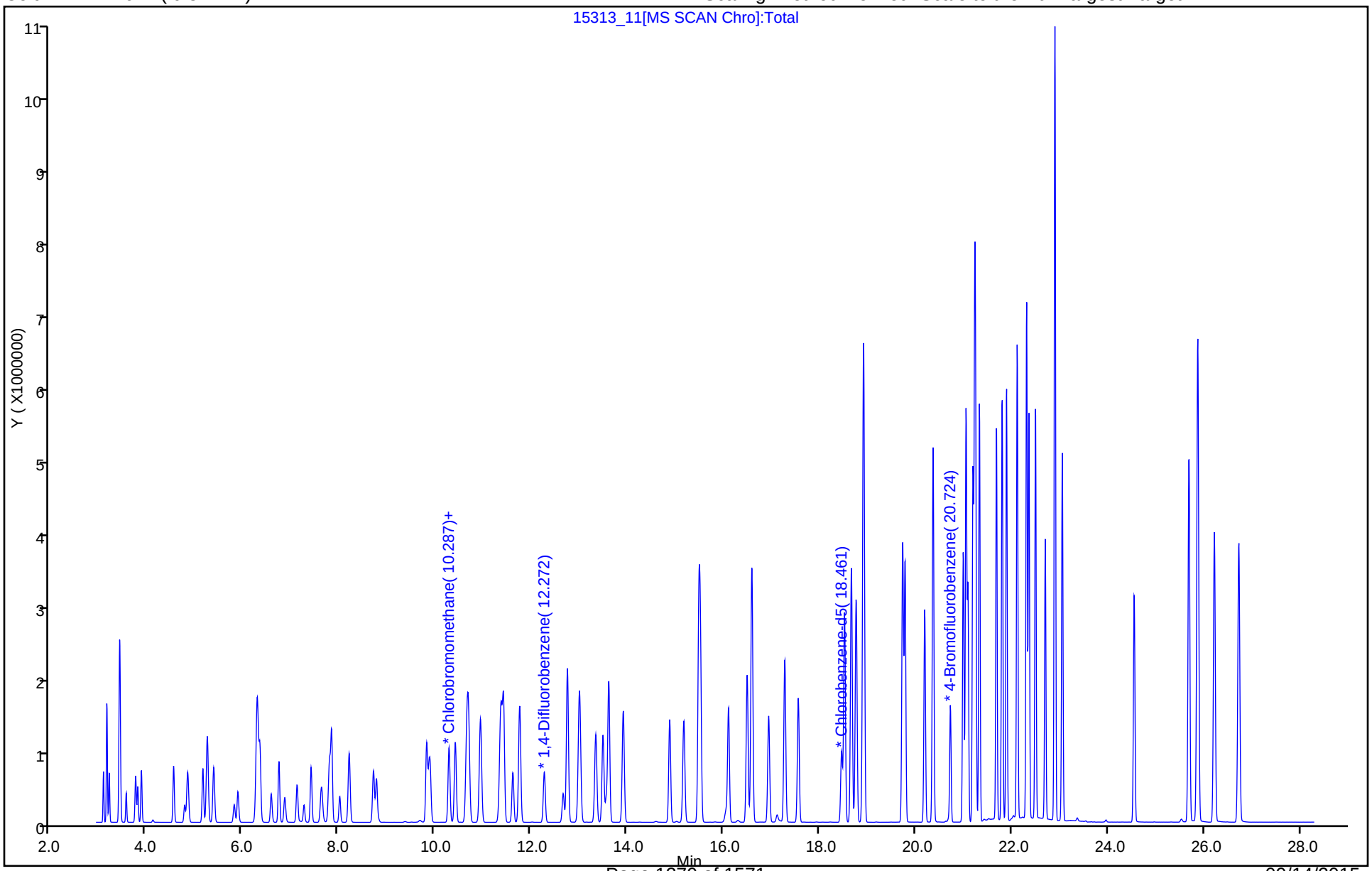
ATTO15CAL7w_00056	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Injection Date:	17-Aug-2015 23:52:30	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_LLNJ_TO3_CHX.i.m	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.: 200-29580-1

SDG No.:

Lab Sample ID: ICV 200-92714/15 Calibration Date: 08/14/2015 02:21

Instrument ID: CHW.i Calib Start Date: 08/13/2015 17:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/13/2015 23:55

Lab File ID: 15276_015.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	0.6273	0.5898		9.40	10.0	-6.0	30.0
Dichlorodifluoromethane	Ave	3.222	3.055		9.48	10.0	-5.2	30.0
Freon 22	Ave	1.451	1.352		9.32	10.0	-6.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.204	3.368		10.5	10.0	5.1	30.0
Chloromethane	Ave	0.8362	0.7570		9.05	10.0	-9.5	30.0
n-Butane	Ave	1.219	1.112		9.12	10.0	-8.8	30.0
Vinyl chloride	Ave	0.9676	0.9081		9.38	10.0	-6.2	30.0
1,3-Butadiene	Ave	0.6700	0.6096		9.10	10.0	-9.0	30.0
Bromomethane	Ave	1.019	0.9410		9.23	10.0	-7.7	30.0
Chloroethane	Ave	0.6159	0.5868		9.52	10.0	-4.7	30.0
Isopentane	Ave	1.030	1.024		9.94	10.0	-0.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.431	1.362		9.51	10.0	-4.8	30.0
Trichlorofluoromethane	Ave	3.549	3.313		9.33	10.0	-6.7	30.0
n-Pentane	Ave	1.515	1.554		10.3	10.0	2.6	30.0
Ethanol	Ave	0.2925	0.2382		12.2	15.0	-18.6	30.0
Ethyl ether	Ave	0.7365	0.7710		10.5	10.0	4.7	30.0
Acrolein	Ave	0.2308	0.3528		15.3	10.0	52.9*	30.0
Freon TF	Ave	2.672	2.562		9.59	10.0	-4.1	30.0
1,1-Dichloroethene	Ave	1.317	1.256		9.54	10.0	-4.6	30.0
Acetone	Ave	1.297	1.161		8.95	10.0	-10.5	30.0
Carbon disulfide	Ave	3.109	3.419		11.0	10.0	10.0	30.0
Isopropyl alcohol	Ave	1.121	0.9342		8.33	10.0	-16.7	30.0
3-Chloropropene	Ave	0.9611	0.9571		9.96	10.0	-0.4	30.0
Acetonitrile	Ave	0.5852	0.5504		9.40	10.0	-5.9	30.0
Methylene Chloride	Ave	1.009	0.9304		9.21	10.0	-7.8	30.0
tert-Butyl alcohol	Ave	1.777	1.596		8.98	10.0	-10.2	30.0
Methyl tert-butyl ether	Ave	3.416	3.298		9.65	10.0	-3.5	30.0
trans-1,2-Dichloroethene	Ave	1.517	1.519		10.0	10.0	0.2	30.0
Acrylonitrile	Ave	0.6919	0.6850		9.90	10.0	-1.0	30.0
n-Hexane	Ave	1.633	1.646		10.1	10.0	0.8	30.0
1,1-Dichloroethane	Ave	1.980	1.886		9.53	10.0	-4.7	30.0
Vinyl acetate	Ave	1.962	1.879		9.57	10.0	-4.3	30.0
cis-1,2-Dichloroethene	Ave	1.511	1.427		9.44	10.0	-5.5	30.0
Methyl Ethyl Ketone	Ave	0.6554	0.5931		9.05	10.0	-9.5	30.0
Ethyl acetate	Ave	0.1158	0.1240		10.7	10.0	7.1	30.0
Tetrahydrofuran	Ave	0.1998	0.1884		9.43	10.0	-5.7	30.0
Chloroform	Ave	2.637	2.511		9.52	10.0	-4.8	30.0
Cyclohexane	Ave	0.3895	0.3738		9.60	10.0	-4.0	30.0
1,1,1-Trichloroethane	Ave	0.6052	0.5690		9.40	10.0	-6.0	30.0
Carbon tetrachloride	Ave	0.6122	0.6225		10.2	10.0	1.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: ICV 200-92714/15 Calibration Date: 08/14/2015 02:21

Instrument ID: CHW.i Calib Start Date: 08/13/2015 17:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/13/2015 23:55

Lab File ID: 15276_015.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	1.121	1.044		9.31	10.0	-6.9	30.0
Benzene	Ave	0.8603	0.7952		9.24	10.0	-7.6	30.0
1,2-Dichloroethane	Ave	0.3127	0.2923		9.34	10.0	-6.5	30.0
n-Heptane	Ave	0.3520	0.3205		9.11	10.0	-8.9	30.0
n-Butanol	Ave	0.1188	0.1051		8.84	10.0	-11.6	30.0
Trichloroethene	Ave	0.4041	0.3849		9.52	10.0	-4.8	30.0
1,2-Dichloropropane	Ave	0.2781	0.2548		9.16	10.0	-8.4	30.0
Methyl methacrylate	Ave	0.2881	0.2791		9.69	10.0	-3.1	30.0
1,4-Dioxane	Ave	0.1450	0.1173		8.09	10.0	-19.1	30.0
Dibromomethane	Ave	0.5182	0.4610		8.89	10.0	-11.0	30.0
Bromodichloromethane	Ave	0.5981	0.5684		9.50	10.0	-5.0	30.0
cis-1,3-Dichloropropene	Ave	0.4482	0.4309		9.61	10.0	-3.9	30.0
methyl isobutyl ketone	Ave	0.4441	0.3962		8.92	10.0	-10.8	30.0
n-Octane	Ave	0.4695	0.4379		9.32	10.0	-6.7	30.0
Toluene	Ave	0.7210	0.6875		9.53	10.0	-4.6	30.0
trans-1,3-Dichloropropene	Ave	0.4501	0.4423		9.83	10.0	-1.7	30.0
1,1,2-Trichloroethane	Ave	0.3345	0.3192		9.54	10.0	-4.6	30.0
Tetrachloroethene	Ave	0.7817	0.7615		9.74	10.0	-2.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4619	0.4030		8.72	10.0	-12.7	30.0
Dibromochloromethane	Ave	0.7551	0.7718		10.2	10.0	2.2	30.0
1,2-Dibromoethane	Ave	0.6815	0.6575		9.65	10.0	-3.5	30.0
Chlorobenzene	Ave	1.070	1.019		9.53	10.0	-4.7	30.0
Ethylbenzene	Ave	1.567	1.515		9.66	10.0	-3.4	30.0
n-Nonane	Ave	0.5737	0.5461		9.52	10.0	-4.8	30.0
m,p-Xylene	Ave	0.6493	0.6289		19.4	20.0	-3.1	30.0
Xylene, o-	Ave	0.6696	0.6466		9.65	10.0	-3.4	30.0
Styrene	Ave	1.025	1.014		9.89	10.0	-1.1	30.0
Bromoform	Ave	0.7104	0.8923		12.6	10.0	25.6	30.0
Cumene	Ave	1.908	1.839		9.64	10.0	-3.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8877	0.8787		9.90	10.0	-1.0	30.0
n-Propylbenzene	Ave	2.198	2.129		9.69	10.0	-3.1	30.0
1,2,3-Trichloropropane	Ave	0.6540	0.6227		9.52	10.0	-4.8	30.0
n-Decane	Ave	0.7786	0.7572		9.72	10.0	-2.7	30.0
4-Ethyltoluene	Ave	1.957	1.948		9.95	10.0	-0.5	30.0
2-Chlorotoluene	Ave	1.572	1.503		9.56	10.0	-4.4	30.0
1,3,5-Trimethylbenzene	Ave	1.667	1.615		9.68	10.0	-3.1	30.0
Alpha Methyl Styrene	Ave	0.8826	0.9134		10.3	10.0	3.5	30.0
tert-Butylbenzene	Ave	1.678	1.620		9.65	10.0	-3.5	30.0
1,2,4-Trimethylbenzene	Ave	1.683	1.622		9.64	10.0	-3.6	30.0
sec-Butylbenzene	Ave	2.411	2.339		9.70	10.0	-3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: ICV 200-92714/15 Calibration Date: 08/14/2015 02:21

Instrument ID: CHW.i Calib Start Date: 08/13/2015 17:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/13/2015 23:55

Lab File ID: 15276_015.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	2.126	2.078		9.77	10.0	-2.3	30.0
1,3-Dichlorobenzene	Ave	1.302	1.272		9.77	10.0	-2.3	30.0
1,4-Dichlorobenzene	Ave	1.298	1.277		9.83	10.0	-1.7	30.0
Benzyl chloride	Ave	1.243	1.347		10.8	10.0	8.3	30.0
n-Undecane	Ave	0.7997	0.8302		10.4	10.0	3.8	30.0
n-Butylbenzene	Ave	1.746	1.680		9.62	10.0	-3.8	30.0
1,2-Dichlorobenzene	Ave	1.264	1.222		9.67	10.0	-3.3	30.0
n-Dodecane	Ave	0.8015	0.7843		9.78	10.0	-2.2	30.0
1,2,4-Trichlorobenzene	Ave	1.072	0.9909		9.24	10.0	-7.6	30.0
Hexachlorobutadiene	Ave	1.016	0.9561		9.41	10.0	-5.9	30.0
Naphthalene	Ave	2.040	1.835		9.00	10.0	-10.0	30.0
1,2,3-Trichlorobenzene	Ave	0.9719	0.8826		9.08	10.0	-9.2	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_015.d
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 14-Aug-2015 02:21:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015276-015
Misc. Info.: icv
Operator ID: pad Instrument ID: CHW.i
Sublist:

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 10:29:38 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 19-Aug-2015 10:23:11

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	4.335	4.324	0.011	98	139829	10.0	9.40	
2 Dichlorodifluoromethane	85	4.436	4.426	0.010	99	724423	10.0	9.48	
3 Chlorodifluoromethane	51	4.511	4.495	0.016	96	320567	10.0	9.32	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.816	4.805	0.011	92	798645	10.0	10.5	
5 Chloromethane	50	5.020	5.009	0.011	99	179488	10.0	9.05	
6 Butane	43	5.298	5.292	0.006	98	263723	10.0	9.12	
7 Vinyl chloride	62	5.362	5.351	0.011	98	215298	10.0	9.38	
8 Butadiene	54	5.469	5.458	0.011	91	144526	10.0	9.10	
9 BFB									
10 Bromomethane	94	6.384	6.373	0.011	98	223107	10.0	9.23	
11 Chloroethane	64	6.689	6.683	0.006	98	139118	10.0	9.52	
12 2-Methylbutane	43	6.780	6.763	0.017	91	242864	10.0	9.94	
13 Vinyl bromide	106	7.186	7.181	0.005	99	322899	10.0	9.51	
14 Trichlorofluoromethane	101	7.309	7.298	0.011	98	785398	10.0	9.33	
16 Pentane	43	7.480	7.470	0.010	98	368520	10.0	10.3	
17 Ethanol	45	7.973	7.962	0.011	99	84750	15.0	12.2	
18 Ethyl ether	59	8.101	8.095	0.006	91	182791	10.0	10.5	
19 Acrolein	56	8.598	8.588	0.010	95	83648	10.0	15.3	
20 1,1,2-Trichloro-1,2,2-trif	101	8.609	8.604	0.005	94	607507	10.0	9.59	
21 1,1-Dichloroethene	96	8.679	8.679	0.000	91	297803	10.0	9.54	
22 Acetone	43	8.957	8.957	0.000	95	275259	10.0	8.95	
23 Carbon disulfide	76	9.176	9.171	0.005	98	810571	10.0	11.0	
24 Isopropyl alcohol	45	9.240	9.230	0.010	100	221490	10.0	8.33	
25 3-Chloro-1-propene	41	9.604	9.599	0.005	94	226920	10.0	9.96	
26 Acetonitrile	41	9.775	9.770	0.005	100	130508	10.0	9.40	
27 Methylene Chloride	49	9.941	9.936	0.005	80	220592	10.0	9.21	
28 2-Methyl-2-propanol	59	10.134	10.128	0.006	93	378414	10.0	8.98	
S 30 1,2-Dichloroethene, Total	61				0		20.0	19.5	
29 Methyl tert-butyl ether	73	10.385	10.385	0.000	96	781836	10.0	9.65	
31 trans-1,2-Dichloroethene	61	10.444	10.444	0.000	89	360236	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Acrylonitrile	53	10.631	10.626	0.005	96	162416	10.0	9.90	
33 Hexane	57	10.867	10.861	0.006	87	390258	10.0	10.1	
34 1,1-Dichloroethane	63	11.439	11.434	0.005	99	447255	10.0	9.53	
35 Vinyl acetate	43	11.487	11.487	0.000	99	445473	10.0	9.57	
37 cis-1,2-Dichloroethene	96	12.627	12.627	0.000	80	338335	10.0	9.44	
38 2-Butanone (MEK)	72	12.664	12.664	0.000	98	140617	10.0	9.05	
39 Ethyl acetate	88	12.680	12.675	0.005	95	29390	10.0	10.7	
41 Tetrahydrofuran	42	13.124	13.119	0.005	84	217358	10.0	9.43	
* 40 Chlorobromomethane	128	13.119	13.119	0.000	74	237144	10.0	10.0	
42 Chloroform	83	13.226	13.226	0.000	95	595385	10.0	9.52	
43 Cyclohexane	84	13.520	13.520	0.000	89	431226	10.0	9.60	
44 1,1,1-Trichloroethane	97	13.542	13.541	0.001	93	656475	10.0	9.40	
45 Carbon tetrachloride	117	13.793	13.793	0.000	97	718163	10.0	10.2	
46 Isooctane	57	14.194	14.194	0.000	99	1204137	10.0	9.31	
47 Benzene	78	14.264	14.258	0.006	93	917477	10.0	9.24	
48 1,2-Dichloroethane	62	14.430	14.424	0.006	98	337245	10.0	9.34	
49 n-Heptane	43	14.542	14.537	0.006	83	369814	10.0	9.11	
A 51 GRO	1	14.922	(6.753-23.090)		0	111920734	10.0	0	
* 50 1,4-Difluorobenzene	114	15.023	15.023	0.000	92	1153973	10.0	10.0	
52 n-Butanol	56	15.302	15.302	0.000	81	121210	10.0	8.84	
53 Trichloroethene	95	15.489	15.489	0.000	94	444019	10.0	9.52	
54 1,2-Dichloropropane	63	16.029	16.024	0.005	93	293922	10.0	9.16	
55 Methyl methacrylate	69	16.109	16.109	0.000	90	322042	10.0	9.69	
56 1,4-Dioxane	88	16.206	16.200	0.006	86	135368	10.0	8.09	
57 Dibromomethane	174	16.270	16.264	0.006	87	531891	10.0	8.89	
58 Dichlorobromomethane	83	16.511	16.511	0.000	97	655823	10.0	9.50	
A 59 TVOC as Toluene	92	16.848	(4.314-29.381)		0	204653394	10.0	2459.6	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	87	497097	10.0	9.61	
61 4-Methyl-2-pentanone (MIBK	43	17.634	17.634	0.000	91	457102	10.0	8.92	
64 n-Octane	43	17.944	17.944	0.000	81	505167	10.0	9.32	
A 62 C8 Range	1	17.944	(17.894-17.994)		0	5017035	NC	NC	
A 63 Toluene Range	92	17.966	(17.926-18.006)		0	5017035	10.0	65.3	E
65 Toluene	92	17.966	17.966	0.000	93	732512	10.0	9.53	
66 trans-1,3-Dichloropropene	75	18.495	18.495	0.000	93	510280	10.0	9.83	
67 1,1,2-Trichloroethane	83	18.870	18.870	0.000	92	340047	10.0	9.54	
68 Tetrachloroethene	166	18.998	18.998	0.000	94	811353	10.0	9.74	
69 2-Hexanone	43	19.271	19.271	0.000	98	429406	10.0	8.72	
71 Chlorodibromomethane	129	19.624	19.629	-0.005	97	822253	10.0	10.2	
72 Ethylene Dibromide	107	19.924	19.924	0.000	99	700482	10.0	9.65	
S 73 Xylenes, Total	106				0		30.0	29.0	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	81	1065618	10.0	10.0	
75 Chlorobenzene	112	20.790	20.796	-0.006	99	1085774	10.0	9.53	
76 Ethylbenzene	91	20.903	20.903	0.000	96	1613704	10.0	9.66	
77 n-Nonane	57	20.946	20.945	0.001	81	581820	10.0	9.52	
78 m-Xylene & p-Xylene	106	21.111	21.117	-0.006	0	1340159	20.0	19.4	
79 o-Xylene	106	21.807	21.807	0.000	98	688920	10.0	9.65	
80 Styrene	104	21.844	21.844	0.000	95	1080085	10.0	9.89	
81 Bromoform	173	22.208	22.208	0.000	99	950697	10.0	12.6	
$ 83 4-Bromofluorobenzene	95	22.203	22.208	-0.005	26	1351	NC	NC	
82 Isopropylbenzene	105	22.358	22.358	0.000	94	1959057	10.0	9.64	
84 1,1,2,2-Tetrachloroethane	83	22.904	22.903	0.001	99	936182	10.0	9.90	
85 N-Propylbenzene	91	22.978	22.978	0.000	99	2268661	10.0	9.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.011	23.010	0.001	94	663473	10.0	9.52	
87 n-Decane	57	23.080	23.080	0.000	90	806756	10.0	9.72	
88 4-Ethyltoluene	105	23.144	23.150	-0.006	97	2075251	10.0	9.95	
89 2-Chlorotoluene	91	23.182	23.182	0.000	94	1601686	10.0	9.56	
90 1,3,5-Trimethylbenzene	105	23.241	23.240	0.001	94	1720507	10.0	9.68	
91 Alpha Methyl Styrene	118	23.594	23.594	0.000	92	973166	10.0	10.3	
92 tert-Butylbenzene	119	23.727	23.727	0.000	96	1725837	10.0	9.65	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	1728386	10.0	9.64	
94 sec-Butylbenzene	105	24.064	24.064	0.000	98	2492125	10.0	9.70	
95 4-Isopropyltoluene	119	24.273	24.273	0.000	97	2213480	10.0	9.77	
96 1,3-Dichlorobenzene	146	24.337	24.343	-0.005	94	1355199	10.0	9.77	
97 1,4-Dichlorobenzene	146	24.487	24.492	-0.005	97	1360018	10.0	9.83	
98 Benzyl chloride	91	24.712	24.712	0.000	100	1434663	10.0	10.8	
99 Undecane	57	24.894	24.899	-0.005	90	884533	10.0	10.4	
100 n-Butylbenzene	91	24.926	24.931	-0.005	97	1790326	10.0	9.62	
101 1,2-Dichlorobenzene	146	25.118	25.118	0.000	99	1301810	10.0	9.67	
102 Dodecane	57	26.782	26.787	-0.005	95	835548	10.0	9.78	
103 1,2,4-Trichlorobenzene	180	28.141	28.146	-0.005	93	1055741	10.0	9.24	
104 Hexachlorobutadiene	225	28.355	28.355	0.000	96	1018617	10.0	9.41	
105 Naphthalene	128	28.778	28.777	0.001	99	1955301	10.0	9.00	
106 1,2,3-Trichlorobenzene	180	29.366	29.371	-0.005	95	940302	10.0	9.08	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00518	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

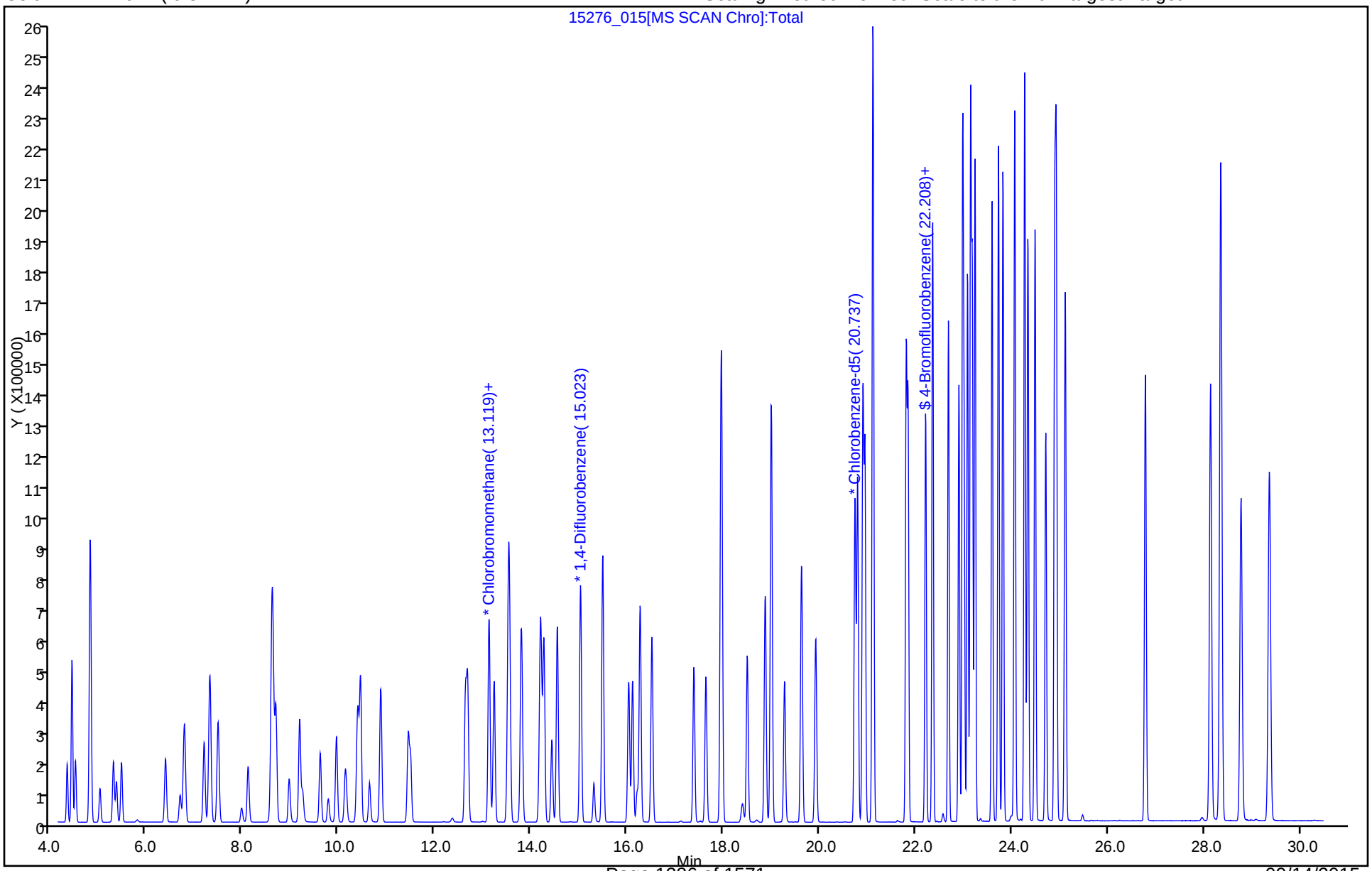
Report Date: 19-Aug-2015 10:29:42 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_015.d

Injection Date:	14-Aug-2015 02:21:30	Instrument ID:	CHW.i	Operator ID:	pad
Lims ID:	icv			Worklist Smp#:	15
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_MasterMethod_(v1)	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.: 200-29580-1

SDG No.:

Lab Sample ID: CCVIS 200-93784/2 Calibration Date: 09/10/2015 09:13

Instrument ID: CHW.i Calib Start Date: 08/13/2015 17:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/13/2015 23:55

Lab File ID: 15679_002.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	0.6273	0.6610		10.5	10.0	5.4	30.0
Dichlorodifluoromethane	Ave	3.222	3.642		11.3	10.0	13.0	30.0
Freon 22	Ave	1.451	1.556		10.7	10.0	7.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.204	3.289		10.3	10.0	2.6	30.0
Chloromethane	Ave	0.8362	0.8179		9.78	10.0	-2.2	30.0
n-Butane	Ave	1.219	1.052		8.63	10.0	-13.7	30.0
Vinyl chloride	Ave	0.9676	0.8558		8.84	10.0	-11.6	30.0
1,3-Butadiene	Ave	0.6700	0.5805		8.66	10.0	-13.4	30.0
Bromomethane	Ave	1.019	0.9037		8.86	10.0	-11.3	30.0
Chloroethane	Ave	0.6159	0.5997		9.73	10.0	-2.6	30.0
Isopentane	Ave	1.030	0.9523		9.24	10.0	-7.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.431	1.374		9.60	10.0	-4.0	30.0
Trichlorofluoromethane	Ave	3.549	3.832		10.8	10.0	8.0	30.0
n-Pentane	Ave	1.515	1.406		9.28	10.0	-7.1	30.0
Ethanol	Ave	0.2925	0.3061		15.7	15.0	4.6	30.0
Ethyl ether	Ave	0.7365	0.6894		9.36	10.0	-6.4	30.0
Acrolein	Ave	0.2308	0.2682		11.6	10.0	16.2	30.0
Freon TF	Ave	2.672	2.724		10.2	10.0	2.0	30.0
1,1-Dichloroethene	Ave	1.317	1.290		9.79	10.0	-2.1	30.0
Acetone	Ave	1.297	1.214		9.35	10.0	-6.4	30.0
Carbon disulfide	Ave	3.109	3.017		9.70	10.0	-3.0	30.0
Isopropyl alcohol	Ave	1.121	0.9360		8.35	10.0	-16.5	30.0
3-Chloropropene	Ave	0.9611	0.9621		10.0	10.0	0.1	30.0
Acetonitrile	Ave	0.5852	0.5252		8.97	10.0	-10.2	30.0
Methylene Chloride	Ave	1.009	0.9662		9.57	10.0	-4.3	30.0
tert-Butyl alcohol	Ave	1.777	1.589		8.94	10.0	-10.6	30.0
Methyl tert-butyl ether	Ave	3.416	3.320		9.72	10.0	-2.8	30.0
trans-1,2-Dichloroethene	Ave	1.517	1.527		10.1	10.0	0.7	30.0
Acrylonitrile	Ave	0.6919	0.6411		9.26	10.0	-7.3	30.0
n-Hexane	Ave	1.633	1.495		9.16	10.0	-8.4	30.0
1,1-Dichloroethane	Ave	1.980	1.931		9.75	10.0	-2.5	30.0
Vinyl acetate	Ave	1.962	1.916		9.76	10.0	-2.4	30.0
cis-1,2-Dichloroethene	Ave	1.511	1.411		9.34	10.0	-6.6	30.0
Methyl Ethyl Ketone	Ave	0.6554	0.5733		8.75	10.0	-12.5	30.0
Ethyl acetate	Ave	0.1158	0.1127		9.73	10.0	-2.7	30.0
Tetrahydrofuran	Ave	0.1998	0.1971		9.86	10.0	-1.4	30.0
Chloroform	Ave	2.637	2.737		10.4	10.0	3.8	30.0
Cyclohexane	Ave	0.3895	0.3909		10.0	10.0	0.4	30.0
1,1,1-Trichloroethane	Ave	0.6052	0.6939		11.5	10.0	14.6	30.0
Carbon tetrachloride	Ave	0.6122	0.7637		12.5	10.0	24.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: CCVIS 200-93784/2 Calibration Date: 09/10/2015 09:13

Instrument ID: CHW.i Calib Start Date: 08/13/2015 17:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/13/2015 23:55

Lab File ID: 15679_002.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	1.121	1.116		9.95	10.0	-0.4	30.0
Benzene	Ave	0.8603	0.8693		10.1	10.0	1.0	30.0
1,2-Dichloroethane	Ave	0.3127	0.3549		11.3	10.0	13.5	30.0
n-Heptane	Ave	0.3520	0.3517		9.99	10.0	-0.0	30.0
n-Butanol	Ave	0.1188	0.1001		8.42	10.0	-15.8	30.0
Trichloroethene	Ave	0.4041	0.4290		10.6	10.0	6.2	30.0
1,2-Dichloropropane	Ave	0.2781	0.2811		10.1	10.0	1.1	30.0
Methyl methacrylate	Ave	0.2881	0.2925		10.2	10.0	1.5	30.0
1,4-Dioxane	Ave	0.1450	0.1289		8.89	10.0	-11.1	30.0
Dibromomethane	Ave	0.5182	0.5415		10.4	10.0	4.5	30.0
Bromodichloromethane	Ave	0.5981	0.6792		11.4	10.0	13.6	30.0
cis-1,3-Dichloropropene	Ave	0.4482	0.4657		10.4	10.0	3.9	30.0
methyl isobutyl ketone	Ave	0.4441	0.4603		10.4	10.0	3.6	30.0
n-Octane	Ave	0.4695	0.4835		10.3	10.0	3.0	30.0
Toluene	Ave	0.7210	0.7455		10.3	10.0	3.4	30.0
trans-1,3-Dichloropropene	Ave	0.4501	0.5118		11.4	10.0	13.7	30.0
1,1,2-Trichloroethane	Ave	0.3345	0.3489		10.4	10.0	4.3	30.0
Tetrachloroethene	Ave	0.7817	0.8448		10.8	10.0	8.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4619	0.4798		10.4	10.0	3.9	30.0
Dibromochloromethane	Ave	0.7551	0.9361		12.4	10.0	24.0	30.0
1,2-Dibromoethane	Ave	0.6815	0.7246		10.6	10.0	6.3	30.0
Chlorobenzene	Ave	1.070	1.125		10.5	10.0	5.2	30.0
Ethylbenzene	Ave	1.567	1.677		10.7	10.0	7.0	30.0
n-Nonane	Ave	0.5737	0.5935		10.3	10.0	3.4	30.0
m,p-Xylene	Ave	0.6493	0.6984		21.5	20.0	7.6	30.0
Xylene, o-	Ave	0.6696	0.7153		10.7	10.0	6.8	30.0
Styrene	Ave	1.025	1.123		11.0	10.0	9.6	30.0
Bromoform	Ave	0.7104	1.057		14.9	10.0	48.9*	30.0
Cumene	Ave	1.908	2.094		11.0	10.0	9.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8877	0.9909		11.2	10.0	11.6	30.0
n-Propylbenzene	Ave	2.198	2.492		11.3	10.0	13.4	30.0
1,2,3-Trichloropropane	Ave	0.6540	0.7487		11.4	10.0	14.5	30.0
n-Decane	Ave	0.7786	0.8596		11.0	10.0	10.4	30.0
4-Ethyltoluene	Ave	1.957	2.251		11.5	10.0	15.0	30.0
2-Chlorotoluene	Ave	1.572	1.811		11.5	10.0	15.2	30.0
1,3,5-Trimethylbenzene	Ave	1.667	1.904		11.4	10.0	14.2	30.0
Alpha Methyl Styrene	Ave	0.8826	1.044		11.8	10.0	18.3	30.0
tert-Butylbenzene	Ave	1.678	1.934		11.5	10.0	15.3	30.0
1,2,4-Trimethylbenzene	Ave	1.683	1.949		11.6	10.0	15.8	30.0
sec-Butylbenzene	Ave	2.411	2.774		11.5	10.0	15.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: CCVIS 200-93784/2 Calibration Date: 09/10/2015 09:13

Instrument ID: CHW.i Calib Start Date: 08/13/2015 17:16

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/13/2015 23:55

Lab File ID: 15679_002.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	2.126	2.478		11.7	10.0	16.6	30.0
1,3-Dichlorobenzene	Ave	1.302	1.540		11.8	10.0	18.3	30.0
1,4-Dichlorobenzene	Ave	1.298	1.540		11.9	10.0	18.6	30.0
Benzyl chloride	Ave	1.243	1.687		13.6	10.0	35.7*	30.0
n-Undecane	Ave	0.7997	0.9497		11.9	10.0	18.8	30.0
n-Butylbenzene	Ave	1.746	2.028		11.6	10.0	16.1	30.0
1,2-Dichlorobenzene	Ave	1.264	1.480		11.7	10.0	17.1	30.0
n-Dodecane	Ave	0.8015	0.9195		11.5	10.0	14.7	30.0
1,2,4-Trichlorobenzene	Ave	1.072	1.229		11.5	10.0	14.6	30.0
Hexachlorobutadiene	Ave	1.016	1.154		11.4	10.0	13.5	30.0
Naphthalene	Ave	2.040	2.429		11.9	10.0	19.1	30.0
1,2,3-Trichlorobenzene	Ave	0.9719	1.117		11.5	10.0	14.9	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_002.d
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Sep-2015 09:13:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-002
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHW.i
Sublist: chrom-TO15_MasterMethod_(v1)*sub1

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Sep-2015 10:55:38 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: desjardinsb Date: 10-Sep-2015 10:55:38

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	4.313	4.313	0.000	99	165091	10.0	10.5	
2 Dichlorodifluoromethane	85	4.415	4.415	0.000	99	909614	10.0	11.3	
3 Chlorodifluoromethane	51	4.485	4.485	0.000	96	388644	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.795	4.795	0.000	83	821318	10.0	10.3	
5 Chloromethane	50	4.998	4.998	0.000	99	204279	10.0	9.78	
6 Butane	43	5.282	5.282	0.000	96	262683	10.0	8.63	
7 Vinyl chloride	62	5.341	5.341	0.000	98	213724	10.0	8.84	
8 Butadiene	54	5.448	5.448	0.000	92	144978	10.0	8.66	
9 BFB									
10 Bromomethane	94	6.368	6.368	0.000	98	225703	10.0	8.86	
11 Chloroethane	64	6.667	6.667	0.000	99	149777	10.0	9.73	
12 2-Methylbutane	43	6.758	6.758	0.000	89	237838	10.0	9.24	
13 Vinyl bromide	106	7.170	7.170	0.000	98	343187	10.0	9.60	
14 Trichlorofluoromethane	101	7.288	7.288	0.000	98	957102	10.0	10.8	
16 Pentane	43	7.464	7.464	0.000	99	351266	10.0	9.28	
17 Ethanol	45	7.951	7.951	0.000	100	114736	15.0	15.7	
18 Ethyl ether	59	8.090	8.090	0.000	92	172171	10.0	9.36	
19 Acrolein	56	8.582	8.582	0.000	96	66979	10.0	11.6	
20 1,1,2-Trichloro-1,2,2-trif	101	8.593	8.593	0.000	94	680380	10.0	10.2	
21 1,1-Dichloroethene	96	8.668	8.668	0.000	93	322068	10.0	9.79	
22 Acetone	43	8.946	8.946	0.000	96	303141	10.0	9.35	
23 Carbon disulfide	76	9.166	9.166	0.000	98	753501	10.0	9.70	
24 Isopropyl alcohol	45	9.224	9.224	0.000	99	233769	10.0	8.35	
25 3-Chloro-1-propene	41	9.594	9.594	0.000	96	240294	10.0	10.0	
26 Acetonitrile	41	9.759	9.759	0.000	100	131172	10.0	8.97	
27 Methylene Chloride	49	9.931	9.931	0.000	81	241313	10.0	9.57	
28 2-Methyl-2-propanol	59	10.123	10.123	0.000	94	396900	10.0	8.94	
S 30 1,2-Dichloroethene, Total	61				0		20.0	19.4	
29 Methyl tert-butyl ether	73	10.375	10.375	0.000	96	829268	10.0	9.72	
31 trans-1,2-Dichloroethene	61	10.433	10.433	0.000	90	381456	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
32 Acrylonitrile	53	10.621	10.621	0.000	95	160116	10.0	9.26	
33 Hexane	57	10.856	10.856	0.000	89	373451	10.0	9.16	
34 1,1-Dichloroethane	63	11.429	11.429	0.000	99	482168	10.0	9.75	
35 Vinyl acetate	43	11.477	11.477	0.000	99	478578	10.0	9.76	
37 cis-1,2-Dichloroethene	96	12.621	12.621	0.000	81	352443	10.0	9.34	
38 2-Butanone (MEK)	72	12.654	12.654	0.000	99	143178	10.0	8.75	
39 Ethyl acetate	88	12.670	12.670	0.000	97	28138	10.0	9.73	
41 Tetrahydrofuran	42	13.114	13.114	0.000	85	220365	10.0	9.86	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	73	249800	10.0	10.0	
42 Chloroform	83	13.221	13.221	0.000	94	683647	10.0	10.4	
43 Cyclohexane	84	13.515	13.515	0.000	90	437004	10.0	10.0	
44 1,1,1-Trichloroethane	97	13.536	13.536	0.000	95	775821	10.0	11.5	
45 Carbon tetrachloride	117	13.788	13.788	0.000	97	853836	10.0	12.5	
46 Isooctane	57	14.189	14.189	0.000	99	1248258	10.0	9.95	
47 Benzene	78	14.259	14.259	0.000	93	971997	10.0	10.1	
48 1,2-Dichloroethane	62	14.424	14.424	0.000	98	396843	10.0	11.3	
49 n-Heptane	43	14.537	14.537	0.000	83	393194	10.0	9.99	
A 51 GRO	1	14.919	(6.748-23.090)		0	127965028	10.0	0	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1118311	10.0	10.0	
52 n-Butanol	56	15.296	15.296	0.000	85	111912	10.0	8.42	
53 Trichloroethene	95	15.484	15.484	0.000	94	479674	10.0	10.6	
54 1,2-Dichloropropane	63	16.024	16.024	0.000	91	314311	10.0	10.1	
55 Methyl methacrylate	69	16.104	16.104	0.000	92	327004	10.0	10.2	
56 1,4-Dioxane	88	16.200	16.200	0.000	86	144096	10.0	8.89	
57 Dibromomethane	174	16.259	16.259	0.000	88	605485	10.0	10.4	
58 Dichlorobromomethane	83	16.505	16.505	0.000	98	759370	10.0	11.4	
A 59 TVOC as Toluene	92	16.837	(4.303-29.371)		0	238881844	10.0	2962.5	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	88	520719	10.0	10.4	
61 4-Methyl-2-pentanone (MIBK	43	17.629	17.629	0.000	91	514601	10.0	10.4	
A 62 C8 Range	1	17.939	(17.889-17.989)		0	5501603	NC	NC	
64 n-Octane	43	17.939	17.939	0.000	82	540615	10.0	10.3	
A 63 Toluene Range	92	17.960	(17.920-18.000)		0	5501603	10.0	72.5	E
65 Toluene	92	17.960	17.960	0.000	93	784853	10.0	10.3	
66 trans-1,3-Dichloropropene	75	18.495	18.495	0.000	93	572207	10.0	11.4	
67 1,1,2-Trichloroethane	83	18.865	18.865	0.000	93	367327	10.0	10.4	
68 Tetrachloroethene	166	18.993	18.993	0.000	95	889414	10.0	10.8	
69 2-Hexanone	43	19.266	19.266	0.000	99	505137	10.0	10.4	
71 Chlorodibromomethane	129	19.624	19.624	0.000	98	985552	10.0	12.4	
72 Ethylene Dibromide	107	19.918	19.918	0.000	99	762919	10.0	10.6	
S 73 Xylenes, Total	106				0		30.0	32.2	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1053041	10.0	10.0	
75 Chlorobenzene	112	20.790	20.790	0.000	98	1184745	10.0	10.5	
76 Ethylbenzene	91	20.903	20.903	0.000	96	1765958	10.0	10.7	
77 n-Nonane	57	20.946	20.946	0.000	81	624808	10.0	10.3	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	100	1470582	20.0	21.5	
79 o-Xylene	106	21.807	21.807	0.000	98	753055	10.0	10.7	
80 Styrene	104	21.839	21.839	0.000	95	1182093	10.0	11.0	
$ 83 4-Bromofluorobenzene	95	22.208	22.208	0.000	26	1693	NC	NC	
81 Bromoform	173	22.208	22.208	0.000	99	1113296	10.0	14.9	
82 Isopropylbenzene	105	22.353	22.353	0.000	94	2204857	10.0	11.0	
84 1,1,2,2-Tetrachloroethane	83	22.898	22.898	0.000	98	1043259	10.0	11.2	
85 N-Propylbenzene	91	22.979	22.979	0.000	99	2623247	10.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 1,2,3-Trichloropropane	75	23.005	23.005	0.000	93	788204	10.0	11.4	
87 n-Decane	57	23.080	23.080	0.000	91	905007	10.0	11.0	
88 4-Ethyltoluene	105	23.144	23.144	0.000	97	2370038	10.0	11.5	
89 2-Chlorotoluene	91	23.176	23.176	0.000	95	1907183	10.0	11.5	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	94	2004995	10.0	11.4	
91 Alpha Methyl Styrene	118	23.588	23.588	0.000	92	1099014	10.0	11.8	
92 tert-Butylbenzene	119	23.722	23.722	0.000	95	2036083	10.0	11.5	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	2051540	10.0	11.6	
94 sec-Butylbenzene	105	24.065	24.065	0.000	98	2920519	10.0	11.5	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	97	2608782	10.0	11.7	
96 1,3-Dichlorobenzene	146	24.337	24.337	0.000	94	1621115	10.0	11.8	
97 1,4-Dichlorobenzene	146	24.487	24.487	0.000	97	1620976	10.0	11.9	
98 Benzyl chloride	91	24.706	24.706	0.000	100	1776508	10.0	13.6	
99 Undecane	57	24.894	24.894	0.000	91	999885	10.0	11.9	
100 n-Butylbenzene	91	24.926	24.926	0.000	97	2135155	10.0	11.6	
101 1,2-Dichlorobenzene	146	25.113	25.113	0.000	99	1557898	10.0	11.7	
102 Dodecane	57	26.782	26.782	0.000	95	968049	10.0	11.5	
103 1,2,4-Trichlorobenzene	180	28.141	28.141	0.000	94	1294259	10.0	11.5	
104 Hexachlorobutadiene	225	28.355	28.355	0.000	97	1214612	10.0	11.4	
105 Naphthalene	128	28.772	28.772	0.000	99	2556835	10.0	11.9	
106 1,2,3-Trichlorobenzene	180	29.361	29.361	0.000	95	1176032	10.0	11.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

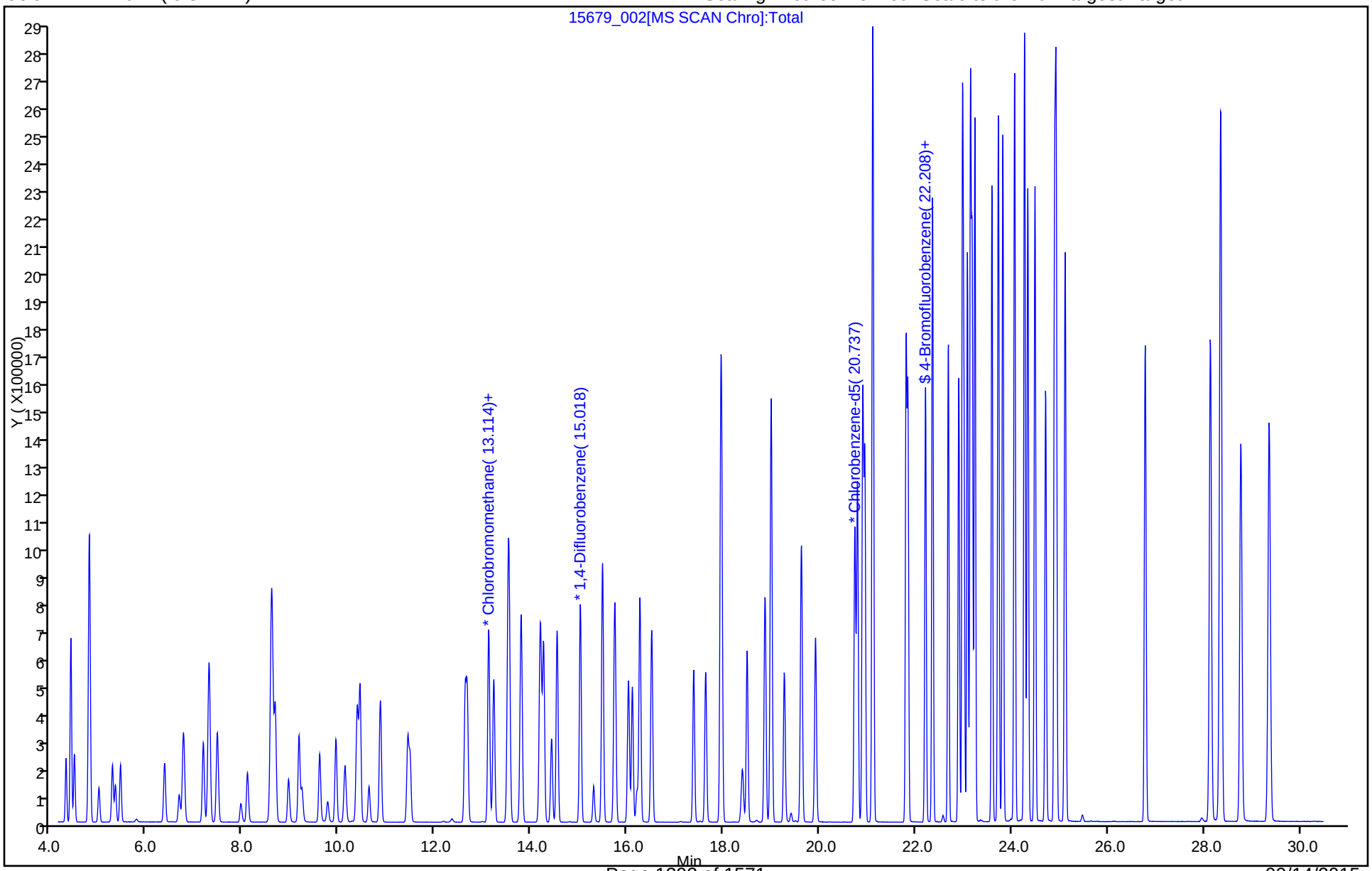
ATTO15CAL4w_00488	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_002.d

Injection Date:	10-Sep-2015 09:13:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_MasterMethod_(v1)	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.: 200-29580-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	0.4154	0.3798		9.14	10.0	-8.6	30.0
Dichlorodifluoromethane	Ave	1.945	1.851		9.51	10.0	-4.9	30.0
Freon 22	Ave	0.9407	0.8859		9.42	10.0	-5.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.978	2.134		10.8	10.0	7.9	30.0
Chloromethane	Ave	0.5474	0.4991		9.12	10.0	-8.8	30.0
n-Butane	Ave	0.8991	0.8056		8.96	10.0	-10.4	30.0
Vinyl chloride	Ave	0.6903	0.6589		9.54	10.0	-4.6	30.0
1,3-Butadiene	Ave	0.4958	0.4498		9.07	10.0	-9.3	30.0
Bromomethane	Ave	0.7816	0.7548		9.65	10.0	-3.4	30.0
Chloroethane	Ave	0.3486	0.3253		9.33	10.0	-6.7	30.0
Isopentane	Ave	0.6436	0.6084		9.45	10.0	-5.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9022	0.8684		9.62	10.0	-3.7	30.0
Trichlorofluoromethane	Ave	2.145	2.029		9.46	10.0	-5.4	30.0
n-Pentane	Ave	1.024	1.032		10.1	10.0	0.8	30.0
Ethanol	Ave	0.2146	0.2115		14.8	15.0	-1.5	30.0
Ethyl ether	Ave	0.4504	0.4932		10.9	10.0	9.5	30.0
Acrolein	Ave	0.1694	0.2041		12.0	10.0	20.5	30.0
Freon TF	Ave	1.717	1.670		9.72	10.0	-2.8	30.0
1,1-Dichloroethene	Ave	0.8028	0.7759		9.66	10.0	-3.4	30.0
Acetone	Ave	0.8752	0.8520		9.73	10.0	-2.7	30.0
Carbon disulfide	Ave	2.040	2.267		11.1	10.0	11.1	30.0
Isopropyl alcohol	Ave	0.8295	0.6747		8.13	10.0	-18.7	30.0
3-Chloropropene	Ave	0.6775	0.5474		8.08	10.0	-19.2	30.0
Acetonitrile	Ave	0.4149	0.4102		9.88	10.0	-1.1	30.0
Methylene Chloride	Ave	0.7371	0.6617		8.98	10.0	-10.2	30.0
tert-Butyl alcohol	Ave	1.330	1.177		8.85	10.0	-11.5	30.0
Methyl tert-butyl ether	Ave	2.220	2.130		9.59	10.0	-4.1	30.0
trans-1,2-Dichloroethene	Ave	1.031	1.047		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4784	0.4692		9.81	10.0	-1.9	30.0
n-Hexane	Ave	1.095	1.081		9.87	10.0	-1.2	30.0
1,1-Dichloroethane	Ave	1.392	1.328		9.54	10.0	-4.6	30.0
Vinyl acetate	Ave	1.632	1.567		9.60	10.0	-4.0	30.0
cis-1,2-Dichloroethene	Ave	1.013	0.9678		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4645	0.4282		9.22	10.0	-7.8	30.0
Ethyl acetate	Ave	0.0735	0.0803		10.9	10.0	9.2	30.0
Tetrahydrofuran	Ave	0.1425	0.1363		9.57	10.0	-4.3	30.0
Chloroform	Ave	1.858	1.788		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2503	0.2425		9.69	10.0	-3.1	30.0
1,1,1-Trichloroethane	Ave	0.3646	0.3519		9.65	10.0	-3.5	30.0
Carbon tetrachloride	Ave	0.3798	0.3903		10.3	10.0	2.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	0.8365	0.7874		9.41	10.0	-5.9	30.0
Benzene	Ave	0.5838	0.5577		9.55	10.0	-4.5	30.0
1,2-Dichloroethane	Ave	0.2049	0.1946		9.50	10.0	-5.0	30.0
n-Heptane	Ave	0.2817	0.2584		9.17	10.0	-8.3	30.0
n-Butanol	Ave	0.0971	0.0898		9.25	10.0	-7.5	30.0
Trichloroethene	Ave	0.2942	0.2687		9.13	10.0	-8.7	30.0
1,2-Dichloropropane	Ave	0.2219	0.2093		9.43	10.0	-5.6	30.0
Methyl methacrylate	Ave	0.2211	0.2177		9.84	10.0	-1.5	30.0
1,4-Dioxane	Ave	0.1097	0.0961		8.76	10.0	-12.4	30.0
Dibromomethane	Ave	0.3538	0.3195		9.03	10.0	-9.7	30.0
Bromodichloromethane	Ave	0.4167	0.4064		9.75	10.0	-2.5	30.0
cis-1,3-Dichloropropene	Ave	0.3482	0.3395		9.75	10.0	-2.5	30.0
methyl isobutyl ketone	Ave	0.3817	0.3573		9.36	10.0	-6.4	30.0
Toluene	Ave	0.5092	0.4937		9.69	10.0	-3.0	30.0
n-Octane	Ave	0.4337	0.3997		9.21	10.0	-7.8	30.0
trans-1,3-Dichloropropene	Ave	0.3631	0.3291		9.06	10.0	-9.4	30.0
1,1,2-Trichloroethane	Ave	0.2376	0.2320		9.76	10.0	-2.4	30.0
Tetrachloroethene	Ave	0.5071	0.4945		9.75	10.0	-2.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3781	0.3671		9.71	10.0	-2.9	30.0
Dibromochloromethane	Ave	0.4912	0.5066		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.4673	0.4565		9.77	10.0	-2.3	30.0
Chlorobenzene	Ave	0.7250	0.7085		9.77	10.0	-2.3	30.0
Ethylbenzene	Ave	1.098	1.066		9.71	10.0	-2.9	30.0
n-Nonane	Ave	0.4713	0.4474		9.49	10.0	-5.1	30.0
m,p-Xylene	Ave	0.4629	0.4498		19.4	20.0	-2.8	30.0
Xylene, o-	Ave	0.4575	0.4368		9.54	10.0	-4.5	30.0
Styrene	Ave	0.7141	0.6872		9.62	10.0	-3.8	30.0
Bromoform	Ave	0.4591	0.5348		11.6	10.0	16.5	30.0
Cumene	Ave	1.305	1.256		9.62	10.0	-3.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6141	0.6153		10.0	10.0	0.2	30.0
n-Propylbenzene	Ave	1.521	1.455		9.56	10.0	-4.4	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4416		9.43	10.0	-5.7	30.0
n-Decane	Ave	0.5960	0.5725		9.60	10.0	-3.9	30.0
4-Ethyltoluene	Ave	1.319	1.301		9.86	10.0	-1.3	30.0
2-Chlorotoluene	Ave	1.032	0.9857		9.55	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.089	1.056		9.70	10.0	-3.0	30.0
Alpha Methyl Styrene	Ave	0.5739	0.5831		10.2	10.0	1.6	30.0
tert-Butylbenzene	Ave	1.085	1.049		9.66	10.0	-3.3	30.0
1,2,4-Trimethylbenzene	Ave	1.091	1.055		9.66	10.0	-3.3	30.0
sec-Butylbenzene	Ave	1.587	1.538		9.69	10.0	-3.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	1.397	1.359		9.72	10.0	-2.7	30.0
1,3-Dichlorobenzene	Ave	0.8393	0.8052		9.59	10.0	-4.1	30.0
1,4-Dichlorobenzene	Ave	0.8495	0.8000		9.42	10.0	-5.8	30.0
Benzyl chloride	Ave	0.8886	0.7955		8.95	10.0	-10.5	30.0
n-Butylbenzene	Ave	1.176	1.136		9.66	10.0	-3.4	30.0
n-Undecane	Ave	0.6119	0.6147		10.0	10.0	0.5	30.0
1,2-Dichlorobenzene	Ave	0.7956	0.7670		9.64	10.0	-3.6	30.0
n-Dodecane	Ave	0.5587	0.6001		10.7	10.0	7.4	30.0
1,2,4-Trichlorobenzene	Ave	0.7342	0.6152		8.38	10.0	-16.2	30.0
Hexachlorobutadiene	Ave	0.6833	0.6492		9.50	10.0	-5.0	30.0
Naphthalene	Ave	1.406	1.188		8.45	10.0	-15.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6787	0.6036		8.89	10.0	-11.1	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_15.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 18-Aug-2015 03:10:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-015
Misc. Info.: lcs
Operator ID: pad Instrument ID: CHX.i
Sublist:

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:36 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 10:02:53

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	3.092	3.092	0.000	99	71637	10.0	9.14	
2 Dichlorodifluoromethane	85	3.161	3.161	0.000	99	349026	10.0	9.51	
3 Chlorodifluoromethane	51	3.210	3.209	0.001	97	167072	10.0	9.42	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.424	3.423	0.001	94	402537	10.0	10.8	
5 Chloromethane	50	3.563	3.563	0.000	99	94123	10.0	9.12	
6 Butane	43	3.755	3.755	0.000	98	151941	10.0	8.96	
7 Vinyl chloride	62	3.803	3.803	0.000	98	124263	10.0	9.54	
8 Butadiene	54	3.878	3.878	0.000	91	84838	10.0	9.07	
9 Bromomethane	94	4.547	4.547	0.000	99	142347	10.0	9.65	
10 Chloroethane	64	4.777	4.777	0.000	99	61343	10.0	9.33	
11 2-Methylbutane	43	4.841	4.841	0.000	90	114732	10.0	9.45	
12 Vinyl bromide	106	5.157	5.157	0.000	99	163776	10.0	9.62	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	98	382728	10.0	9.46	
14 Pentane	43	5.382	5.376	0.006	96	194577	10.0	10.1	
15 Ethanol	45	5.804	5.804	0.000	98	59852	15.0	14.8	
16 Ethyl ether	59	5.895	5.895	0.000	95	93010	10.0	10.9	
$ 19 BFB									
17 Acrolein	56	6.280	6.280	0.000	95	38488	10.0	12.0	
18 1,1,2-Trichloro-1,2,2-trif	101	6.291	6.286	0.005	95	314928	10.0	9.72	
20 1,1-Dichloroethene	96	6.344	6.344	0.000	93	146329	10.0	9.66	
21 Acetone	43	6.585	6.585	0.000	89	160692	10.0	9.73	
22 Carbon disulfide	76	6.740	6.740	0.000	98	427607	10.0	11.1	
23 Isopropyl alcohol	45	6.863	6.863	0.000	99	127251	10.0	8.13	
24 3-Chloro-1-propene	41	7.115	7.115	0.000	91	103241	10.0	8.08	
25 Acetonitrile	41	7.265	7.265	0.000	99	77363	10.0	9.88	
26 Methylene Chloride	49	7.409	7.409	0.000	83	124788	10.0	8.98	
28 2-Methyl-2-propanol	59	7.634	7.639	-0.005	99	222003	10.0	8.85	
29 Methyl tert-butyl ether	73	7.805	7.800	0.005	95	401647	10.0	9.59	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	89	197542	10.0	10.2	
31 Acrylonitrile	53	8.003	8.003	0.000	95	88480	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.201	8.201	0.000	88	203900	10.0	9.87	
33 1,1-Dichloroethane	63	8.709	8.709	0.000	99	250395	10.0	9.54	
34 Vinyl acetate	43	8.773	8.773	0.000	99	295476	10.0	9.60	
35 cis-1,2-Dichloroethene	96	9.816	9.816	0.000	94	182527	10.0	9.55	
36 2-Butanone (MEK)	72	9.859	9.865	-0.006	100	80752	10.0	9.22	
37 Ethyl acetate	88	9.891	9.897	-0.006	99	15134	10.0	10.9	
S 38 1,2-Dichloroethene, Total	61				0		20.0	19.7	
* 40 Chlorobromomethane	128	10.287	10.282	0.005	78	188633	10.0	10.0	
39 Tetrahydrofuran	42	10.287	10.287	0.000	87	138795	10.0	9.57	
41 Chloroform	83	10.410	10.410	0.000	99	337207	10.0	9.62	
42 Cyclohexane	84	10.656	10.656	0.000	84	246939	10.0	9.69	
43 1,1,1-Trichloroethane	97	10.688	10.688	0.000	97	358283	10.0	9.65	
44 Carbon tetrachloride	117	10.935	10.934	0.001	96	397377	10.0	10.3	
45 Isooctane	57	11.363	11.362	0.000	99	801659	10.0	9.41	
46 Benzene	78	11.416	11.416	0.000	93	567789	10.0	9.55	
47 1,2-Dichloroethane	62	11.609	11.609	0.000	97	198148	10.0	9.50	
48 n-Heptane	43	11.748	11.753	-0.005	86	263129	10.0	9.17	
* 50 1,4-Difluorobenzene	114	12.267	12.267	0.000	92	1018364	10.0	10.0	
51 n-Butanol	56	12.668	12.668	0.000	83	91476	10.0	9.25	
52 Trichloroethene	95	12.743	12.743	0.000	93	273605	10.0	9.13	
53 1,2-Dichloropropane	63	13.337	13.336	0.001	95	213147	10.0	9.43	
54 Methyl methacrylate	69	13.486	13.492	-0.006	82	221633	10.0	9.84	
55 1,4-Dioxane	88	13.561	13.567	-0.006	87	97822	10.0	8.76	
56 Dibromomethane	174	13.609	13.609	0.000	89	325322	10.0	9.03	
57 Dichlorobromomethane	83	13.909	13.909	0.000	98	413825	10.0	9.75	
58 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	87	345686	10.0	9.75	
A 60 TVOC as Toluene	1	14.971	(3.054-26.887)		0	123839694	10.0	2388.2	
61 4-Methyl-2-pentanone (MIBK	43	15.177	15.177	0.000	92	363816	10.0	9.36	
A 63 Toluene Range	1		(15.472-15.492)				ND	ND	
62 Toluene	92	15.476	15.482	-0.006	93	488227	10.0	9.69	
A 65 GRO	1	15.514	(15.514-15.514)		0	3483281	10.0	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	86	407003	10.0	9.21	
67 trans-1,3-Dichloropropene	75	16.097	16.102	-0.005	93	335101	10.0	9.06	
68 1,1,2-Trichloroethane	83	16.488	16.487	0.001	96	229387	10.0	9.76	
69 Tetrachloroethene	166	16.584	16.589	-0.005	95	489000	10.0	9.75	
70 2-Hexanone	43	16.942	16.942	0.000	92	363024	10.0	9.71	
71 Chlorodibromomethane	129	17.269	17.269	0.000	98	500982	10.0	10.3	
72 Ethylene Dibromide	107	17.552	17.552	0.000	99	451470	10.0	9.77	
* 73 Chlorobenzene-d5	117	18.456	18.456	0.000	81	989108	10.0	10.0	
74 Chlorobenzene	112	18.515	18.520	-0.005	99	700607	10.0	9.77	
75 Ethylbenzene	91	18.660	18.659	0.001	96	1054451	10.0	9.71	
76 n-Nonane	57	18.761	18.761	0.000	85	442481	10.0	9.49	
77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	889686	20.0	19.4	
78 o-Xylene	106	19.724	19.729	-0.005	95	431929	10.0	9.54	
79 Styrene	104	19.778	19.778	0.000	98	679602	10.0	9.62	
S 80 Xylenes, Total	106				0		30.0	29.0	
81 Bromoform	173	20.190	20.189	0.001	99	528868	10.0	11.6	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	1242028	10.0	9.62	
* 83 4-Bromofluorobenzene	95	20.719	20.724	-0.005	98	654126	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.987	20.992	-0.005	98	608429	10.0	10.0	
86 N-Propylbenzene	91	21.045	21.045	0.000	100	1438685	10.0	9.56	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.083	21.088	-0.005	96	436735	10.0	9.43	
88 n-Decane	57	21.190	21.190	0.000	83	566178	10.0	9.60	
89 4-Ethyltoluene	105	21.227	21.227	0.000	98	1286908	10.0	9.86	
90 2-Chlorotoluene	91	21.243	21.243	0.000	96	974728	10.0	9.55	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	95	1044411	10.0	9.70	
92 Alpha Methyl Styrene	118	21.682	21.682	0.000	92	576644	10.0	10.2	
93 tert-Butylbenzene	119	21.800	21.800	0.000	96	1037099	10.0	9.66	
94 1,2,4-Trimethylbenzene	105	21.891	21.891	0.000	96	1043164	10.0	9.66	
95 sec-Butylbenzene	105	22.110	22.110	0.000	99	1520675	10.0	9.69	
96 4-Isopropyltoluene	119	22.308	22.308	0.000	98	1343792	10.0	9.72	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	99	796260	10.0	9.59	
98 1,4-Dichlorobenzene	146	22.495	22.495	0.000	97	791123	10.0	9.42	
99 Benzyl chloride	91	22.699	22.698	0.001	100	786700	10.0	8.95	
100 Undecane	57	22.896	22.896	0.000	71	607911	10.0	10.0	
101 n-Butylbenzene	91	22.896	22.902	-0.006	96	1122971	10.0	9.66	
102 1,2-Dichlorobenzene	146	23.052	23.052	0.000	99	758480	10.0	9.64	
103 Dodecane	57	24.550	24.549	0.001	93	593419	10.0	10.7	
104 1,2,4-Trichlorobenzene	180	25.689	25.689	0.000	93	608346	10.0	8.38	
105 Hexachlorobutadiene	225	25.871	25.871	0.000	99	641979	10.0	9.50	
106 Naphthalene	128	26.219	26.219	0.000	99	1174789	10.0	8.45	
107 1,2,3-Trichlorobenzene	180	26.727	26.727	0.000	95	596882	10.0	8.89	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

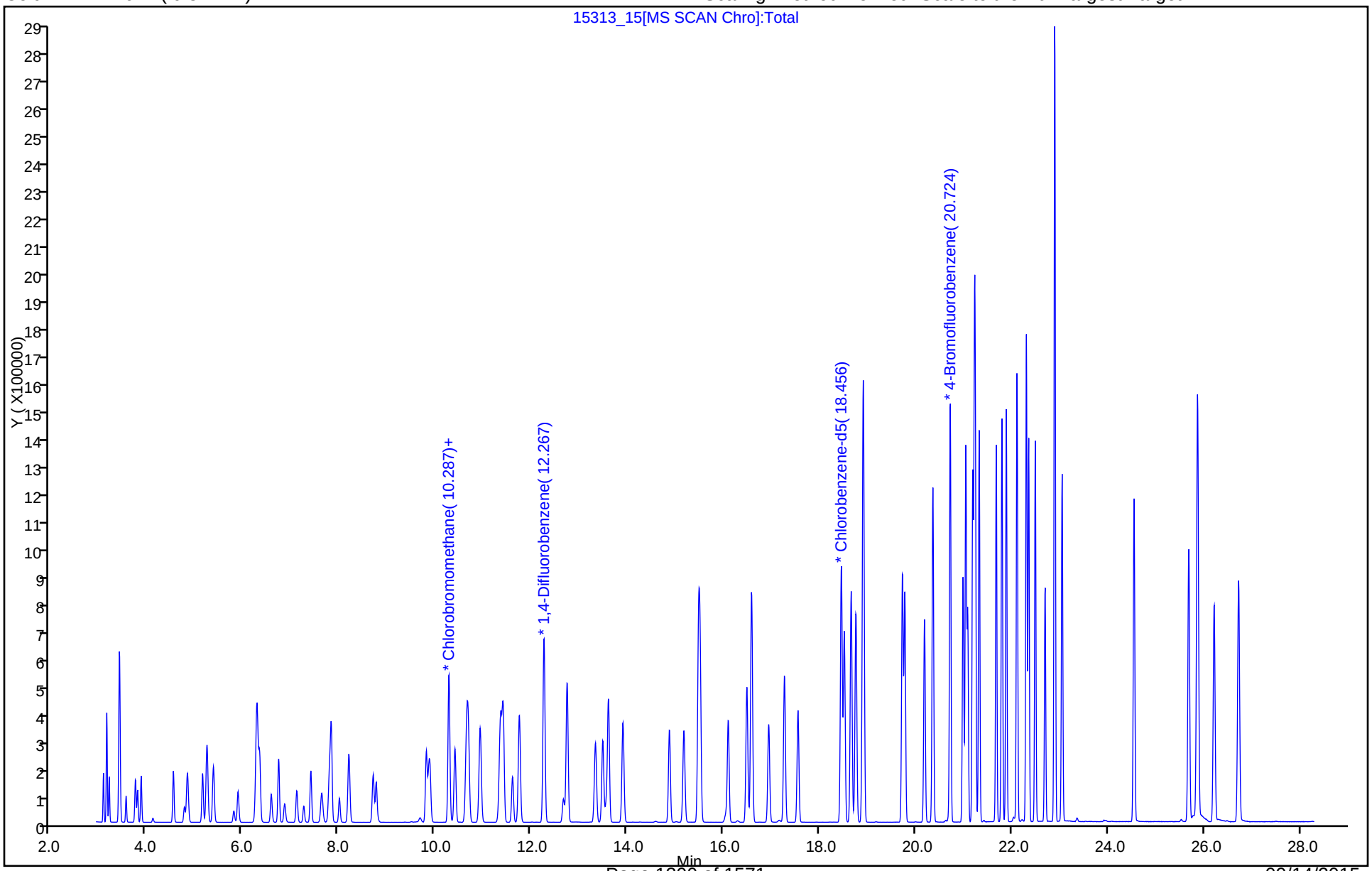
ATTO15LCSW_00504	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_15.D

Injection Date:	18-Aug-2015 03:10:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	icv			Worklist Smp#:	15
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_CHX.i.m	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.: 200-29580-1

SDG No.:

Lab Sample ID: CCVIS 200-93647/2 Calibration Date: 09/04/2015 12:32

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15629_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	0.4154	0.4137		9.96	10.0	-0.4	30.0
Dichlorodifluoromethane	Ave	1.945	2.033		10.5	10.0	4.5	30.0
Freon 22	Ave	0.9407	0.9567		10.2	10.0	1.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.978	2.004		10.1	10.0	1.3	30.0
Chloromethane	Ave	0.5474	0.5445		9.95	10.0	-0.5	30.0
n-Butane	Ave	0.8991	0.8572		9.53	10.0	-4.7	30.0
Vinyl chloride	Ave	0.6903	0.6852		9.92	10.0	-0.7	30.0
1,3-Butadiene	Ave	0.4958	0.4771		9.62	10.0	-3.8	30.0
Bromomethane	Ave	0.7816	0.7619		9.75	10.0	-2.5	30.0
Chloroethane	Ave	0.3486	0.3246		9.31	10.0	-6.9	30.0
Isopentane	Ave	0.6436	0.5651		8.78	10.0	-12.2	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9022	0.8804		9.76	10.0	-2.4	30.0
Trichlorofluoromethane	Ave	2.145	2.174		10.1	10.0	1.3	30.0
n-Pentane	Ave	1.024	0.9574		9.35	10.0	-6.5	30.0
Ethanol	Ave	0.2146	0.2412		16.9	15.0	12.4	30.0
Ethyl ether	Ave	0.4504	0.4410		9.79	10.0	-2.1	30.0
Acrolein	Ave	0.1694	0.2075		12.2	10.0	22.5	30.0
Freon TF	Ave	1.717	1.674		9.74	10.0	-2.5	30.0
1,1-Dichloroethene	Ave	0.8028	0.7920		9.86	10.0	-1.3	30.0
Acetone	Ave	0.8752	0.8506		9.72	10.0	-2.8	30.0
Carbon disulfide	Ave	2.040	1.998		9.79	10.0	-2.0	30.0
Isopropyl alcohol	Ave	0.8295	0.7342		8.85	10.0	-11.5	30.0
3-Chloropropene	Ave	0.6775	0.6805		10.0	10.0	0.4	30.0
Acetonitrile	Ave	0.4149	0.3689		8.89	10.0	-11.1	30.0
Methylene Chloride	Ave	0.7371	0.6700		9.09	10.0	-9.1	30.0
tert-Butyl alcohol	Ave	1.330	1.220		9.17	10.0	-8.2	30.0
Methyl tert-butyl ether	Ave	2.220	2.148		9.67	10.0	-3.3	30.0
trans-1,2-Dichloroethene	Ave	1.031	0.9941		9.64	10.0	-3.6	30.0
Acrylonitrile	Ave	0.4784	0.4371		9.14	10.0	-8.6	30.0
n-Hexane	Ave	1.095	0.9899		9.04	10.0	-9.6	30.0
1,1-Dichloroethane	Ave	1.392	1.320		9.48	10.0	-5.2	30.0
Vinyl acetate	Ave	1.632	1.597		9.78	10.0	-2.2	30.0
cis-1,2-Dichloroethene	Ave	1.013	1.003		9.90	10.0	-1.0	30.0
Methyl Ethyl Ketone	Ave	0.4645	0.4089		8.80	10.0	-12.0	30.0
Ethyl acetate	Ave	0.0735	0.0711		9.68	10.0	-3.2	30.0
Tetrahydrofuran	Ave	0.1425	0.1356		9.51	10.0	-4.9	30.0
Chloroform	Ave	1.858	1.880		10.1	10.0	1.2	30.0
Cyclohexane	Ave	0.2503	0.2370		9.47	10.0	-5.3	30.0
1,1,1-Trichloroethane	Ave	0.3646	0.3647		10.0	10.0	0.0	30.0
Carbon tetrachloride	Ave	0.3798	0.4109		10.8	10.0	8.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: CCVIS 200-93647/2 Calibration Date: 09/04/2015 12:32

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15629_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	0.8365	0.8101		9.68	10.0	-3.2	30.0
Benzene	Ave	0.5838	0.5658		9.69	10.0	-3.1	30.0
1,2-Dichloroethane	Ave	0.2049	0.2073		10.1	10.0	1.1	30.0
n-Heptane	Ave	0.2817	0.2783		9.88	10.0	-1.2	30.0
n-Butanol	Ave	0.0971	0.0887		9.13	10.0	-8.7	30.0
Trichloroethene	Ave	0.2942	0.2807		9.54	10.0	-4.6	30.0
1,2-Dichloropropane	Ave	0.2219	0.2325		10.5	10.0	4.8	30.0
Methyl methacrylate	Ave	0.2211	0.2267		10.3	10.0	2.5	30.0
1,4-Dioxane	Ave	0.1097	0.1000		9.12	10.0	-8.8	30.0
Dibromomethane	Ave	0.3538	0.3565		10.1	10.0	0.8	30.0
Bromodichloromethane	Ave	0.4167	0.4557		10.9	10.0	9.4	30.0
cis-1,3-Dichloropropene	Ave	0.3482	0.3676		10.6	10.0	5.6	30.0
methyl isobutyl ketone	Ave	0.3817	0.4112		10.8	10.0	7.7	30.0
Toluene	Ave	0.5092	0.5021		9.86	10.0	-1.4	30.0
n-Octane	Ave	0.4337	0.4580		10.6	10.0	5.6	30.0
trans-1,3-Dichloropropene	Ave	0.3631	0.3710		10.2	10.0	2.2	30.0
1,1,2-Trichloroethane	Ave	0.2376	0.2419		10.2	10.0	1.8	30.0
Tetrachloroethene	Ave	0.5071	0.5087		10.0	10.0	0.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3781	0.3790		10.0	10.0	0.2	30.0
Dibromochloromethane	Ave	0.4912	0.5507		11.2	10.0	12.1	30.0
1,2-Dibromoethane	Ave	0.4673	0.4815		10.3	10.0	3.0	30.0
Chlorobenzene	Ave	0.7250	0.7248		10.0	10.0	-0.0	30.0
Ethylbenzene	Ave	1.098	1.099		10.0	10.0	0.1	30.0
n-Nonane	Ave	0.4713	0.4721		10.0	10.0	0.2	30.0
m,p-Xylene	Ave	0.4629	0.4616		19.9	20.0	-0.3	30.0
Xylene, o-	Ave	0.4575	0.4564		9.97	10.0	-0.2	30.0
Styrene	Ave	0.7141	0.7210		10.1	10.0	1.0	30.0
Bromoform	Ave	0.4591	0.6210		13.5	10.0	35.3*	30.0
Cumene	Ave	1.305	1.307		10.0	10.0	0.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6141	0.6430		10.5	10.0	4.7	30.0
n-Propylbenzene	Ave	1.521	1.546		10.2	10.0	1.7	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4761		10.2	10.0	1.6	30.0
n-Decane	Ave	0.5960	0.5979		10.0	10.0	0.3	30.0
4-Ethyltoluene	Ave	1.319	1.323		10.0	10.0	0.3	30.0
2-Chlorotoluene	Ave	1.032	1.032		10.0	10.0	0.0	30.0
1,3,5-Trimethylbenzene	Ave	1.089	1.095		10.1	10.0	0.5	30.0
Alpha Methyl Styrene	Ave	0.5739	0.5976		10.4	10.0	4.1	30.0
tert-Butylbenzene	Ave	1.085	1.093		10.1	10.0	0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.091	1.098		10.1	10.0	0.6	30.0
sec-Butylbenzene	Ave	1.587	1.625		10.2	10.0	2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Lab Sample ID: CCVIS 200-93647/2 Calibration Date: 09/04/2015 12:32

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15629_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	1.397	1.316		9.41	10.0	-5.8	30.0
1,3-Dichlorobenzene	Ave	0.8393	0.8699		10.4	10.0	3.6	30.0
1,4-Dichlorobenzene	Ave	0.8495	0.8823		10.4	10.0	3.9	30.0
Benzyl chloride	Ave	0.8886	1.023		11.5	10.0	15.2	30.0
n-Undecane	Ave	0.6119	0.6475		10.6	10.0	5.8	30.0
n-Butylbenzene	Ave	1.176	1.036		8.81	10.0	-11.9	30.0
1,2-Dichlorobenzene	Ave	0.7956	0.8246		10.4	10.0	3.6	30.0
n-Dodecane	Ave	0.5587	0.5727		10.2	10.0	2.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7342	0.7341		10.0	10.0	-0.0	30.0
Hexachlorobutadiene	Ave	0.6833	0.6950		10.2	10.0	1.7	30.0
Naphthalene	Ave	1.406	1.358		9.66	10.0	-3.4	30.0
1,2,3-Trichlorobenzene	Ave	0.6787	0.6548		9.64	10.0	-3.5	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_02.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Sep-2015 12:32:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-002
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Sep-2015 14:34:48 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 04-Sep-2015 14:34:48

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	3.097	3.097	0.000	99	69852	10.0	9.96	
2 Dichlorodifluoromethane	85	3.167	3.167	0.000	99	343351	10.0	10.5	
3 Chlorodifluoromethane	51	3.215	3.215	0.000	97	161551	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.429	3.429	0.000	97	338411	10.0	10.1	
5 Chloromethane	50	3.568	3.568	0.000	99	91939	10.0	9.95	
6 Butane	43	3.761	3.761	0.000	98	144751	10.0	9.53	
7 Vinyl chloride	62	3.809	3.809	0.000	97	115702	10.0	9.92	
8 Butadiene	54	3.884	3.884	0.000	95	80558	10.0	9.62	
9 Bromomethane	94	4.552	4.552	0.000	99	128663	10.0	9.75	
$ 19 BFB									
10 Chloroethane	64	4.777	4.777	0.000	99	54815	10.0	9.31	
11 2-Methylbutane	43	4.847	4.847	0.000	91	95425	10.0	8.78	
12 Vinyl bromide	106	5.157	5.157	0.000	100	148667	10.0	9.76	
13 Trichlorofluoromethane	101	5.248	5.248	0.000	98	367126	10.0	10.1	
14 Pentane	43	5.387	5.387	0.000	96	161665	10.0	9.35	
15 Ethanol	45	5.820	5.820	0.000	98	61127	15.0	16.9	
16 Ethyl ether	59	5.906	5.906	0.000	94	74475	10.0	9.79	
18 1,1,2-Trichloro-1,2,2-trif	101	6.291	6.291	0.000	94	282656	10.0	9.74	
17 Acrolein	56	6.291	6.291	0.000	39	35038	10.0	12.2	
20 1,1-Dichloroethene	96	6.350	6.350	0.000	94	133746	10.0	9.86	
21 Acetone	43	6.596	6.596	0.000	88	143634	10.0	9.72	
22 Carbon disulfide	76	6.740	6.740	0.000	98	337470	10.0	9.79	
23 Isopropyl alcohol	45	6.885	6.885	0.000	99	123981	10.0	8.85	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	90	114917	10.0	10.0	
25 Acetonitrile	41	7.265	7.265	0.000	99	62289	10.0	8.89	
26 Methylene Chloride	49	7.409	7.409	0.000	84	113133	10.0	9.09	
28 2-Methyl-2-propanol	59	7.660	7.660	0.000	99	206023	10.0	9.17	
29 Methyl tert-butyl ether	73	7.810	7.810	0.000	96	362649	10.0	9.67	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	90	167870	10.0	9.64	
31 Acrylonitrile	53	8.008	8.008	0.000	94	73808	10.0	9.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.206	8.206	0.000	89	167160	10.0	9.04	
33 1,1-Dichloroethane	63	8.709	8.709	0.000	99	222917	10.0	9.48	
34 Vinyl acetate	43	8.773	8.773	0.000	99	269591	10.0	9.78	
35 cis-1,2-Dichloroethene	96	9.816	9.816	0.000	95	169355	10.0	9.90	
36 2-Butanone (MEK)	72	9.870	9.870	0.000	99	69046	10.0	8.80	
37 Ethyl acetate	88	9.897	9.897	0.000	99	12012	10.0	9.68	
S 38 1,2-Dichloroethene, Total	61				0		20.0	19.5	
* 40 Chlorobromomethane	128	10.287	10.287	0.000	77	168895	10.0	10.0	
39 Tetrahydrofuran	42	10.293	10.293	0.000	93	125345	10.0	9.51	
41 Chloroform	83	10.410	10.410	0.000	99	317476	10.0	10.1	
42 Cyclohexane	84	10.651	10.651	0.000	86	219161	10.0	9.47	
43 1,1,1-Trichloroethane	97	10.688	10.688	0.000	96	337234	10.0	10.0	
44 Carbon tetrachloride	117	10.934	10.934	0.000	96	379953	10.0	10.8	
45 Isooctane	57	11.362	11.362	0.000	99	749062	10.0	9.68	
46 Benzene	78	11.411	11.411	0.000	93	523155	10.0	9.69	
47 1,2-Dichloroethane	62	11.609	11.609	0.000	97	191650	10.0	10.1	
48 n-Heptane	43	11.748	11.748	0.000	88	257372	10.0	9.88	
* 50 1,4-Difluorobenzene	114	12.261	12.261	0.000	92	924873	10.0	10.0	
51 n-Butanol	56	12.689	12.689	0.000	84	81991	10.0	9.13	
52 Trichloroethene	95	12.743	12.743	0.000	93	259570	10.0	9.54	
53 1,2-Dichloropropane	63	13.336	13.336	0.000	95	214947	10.0	10.5	
54 Methyl methacrylate	69	13.492	13.492	0.000	83	209639	10.0	10.3	
55 1,4-Dioxane	88	13.567	13.567	0.000	87	92508	10.0	9.12	
56 Dibromomethane	174	13.604	13.604	0.000	89	329629	10.0	10.1	
57 Dichlorobromomethane	83	13.909	13.909	0.000	98	421419	10.0	10.9	
58 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	87	339893	10.0	10.6	
A 59 Total Hydrocarbons	1	14.933	(3.065-26.802)		0	123053081	NC	NC	
A 60 TVOC as Toluene	1	14.933	(3.065-26.802)		0	123053081	10.0	2612.9	
61 4-Methyl-2-pentanone (MIBK	43	15.182	15.182	0.000	93	380268	10.0	10.8	
A 63 Toluene Range	1		(15.472-15.492)				ND	ND	
62 Toluene	92	15.482	15.482	0.000	93	471131	10.0	9.86	
A 65 GRO	1	15.514	(15.514-15.514)		0	3444253	10.0	0	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	88	423463	10.0	10.6	
67 trans-1,3-Dichloropropene	75	16.097	16.097	0.000	93	343077	10.0	10.2	
68 1,1,2-Trichloroethane	83	16.487	16.487	0.000	96	226962	10.0	10.2	
69 Tetrachloroethene	166	16.584	16.584	0.000	94	477316	10.0	10.0	
70 2-Hexanone	43	16.948	16.948	0.000	93	355663	10.0	10.0	
71 Chlorodibromomethane	129	17.269	17.269	0.000	98	516771	10.0	11.2	
72 Ethylene Dibromide	107	17.552	17.552	0.000	98	451805	10.0	10.3	
* 73 Chlorobenzene-d5	117	18.451	18.451	0.000	82	938533	10.0	10.0	
74 Chlorobenzene	112	18.515	18.515	0.000	98	680152	10.0	10.0	
75 Ethylbenzene	91	18.654	18.654	0.000	97	1031291	10.0	10.0	
76 n-Nonane	57	18.756	18.756	0.000	86	442973	10.0	10.0	
77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	866299	20.0	19.9	
78 o-Xylene	106	19.724	19.724	0.000	95	428289	10.0	9.97	
79 Styrene	104	19.772	19.772	0.000	98	676547	10.0	10.1	
S 80 Xylenes, Total	106				0		30.0	29.9	
81 Bromoform	173	20.184	20.184	0.000	99	582739	10.0	13.5	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	1226458	10.0	10.0	
* 83 4-Bromofluorobenzene	95	20.719	20.719	0.000	98	620360	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.987	20.987	0.000	98	603383	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
86 N-Propylbenzene	91	21.045	21.045	0.000	100	1450897	10.0	10.2	
87 1,2,3-Trichloropropane	75	21.083	21.083	0.000	96	446713	10.0	10.2	
88 n-Decane	57	21.190	21.190	0.000	84	561060	10.0	10.0	
89 4-Ethyltoluene	105	21.222	21.222	0.000	98	1241198	10.0	10.0	
90 2-Chlorotoluene	91	21.243	21.243	0.000	96	968518	10.0	10.0	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	95	1027111	10.0	10.1	
92 Alpha Methyl Styrene	118	21.677	21.677	0.000	92	560766	10.0	10.4	
93 tert-Butylbenzene	119	21.794	21.794	0.000	96	1026021	10.0	10.1	
94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	96	1030362	10.0	10.1	
95 sec-Butylbenzene	105	22.110	22.110	0.000	99	1524754	10.0	10.2	
96 4-Isopropyltoluene	119	22.303	22.303	0.000	98	1234417	10.0	9.41	
97 1,3-Dichlorobenzene	146	22.351	22.351	0.000	99	816237	10.0	10.4	
98 1,4-Dichlorobenzene	146	22.490	22.490	0.000	97	827925	10.0	10.4	
99 Benzyl chloride	91	22.693	22.693	0.000	100	960299	10.0	11.5	
100 Undecane	57	22.891	22.891	0.000	78	607555	10.0	10.6	
101 n-Butylbenzene	91	22.896	22.896	0.000	96	972251	10.0	8.81	
102 1,2-Dichlorobenzene	146	23.046	23.046	0.000	99	773756	10.0	10.4	
103 Dodecane	57	24.544	24.544	0.000	94	537356	10.0	10.2	
104 1,2,4-Trichlorobenzene	180	25.678	25.678	0.000	93	688809	10.0	10.0	
105 Hexachlorobutadiene	225	25.865	25.865	0.000	99	652122	10.0	10.2	
106 Naphthalene	128	26.208	26.208	0.000	99	1274169	10.0	9.66	
107 1,2,3-Trichlorobenzene	180	26.721	26.721	0.000	95	614382	10.0	9.64	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

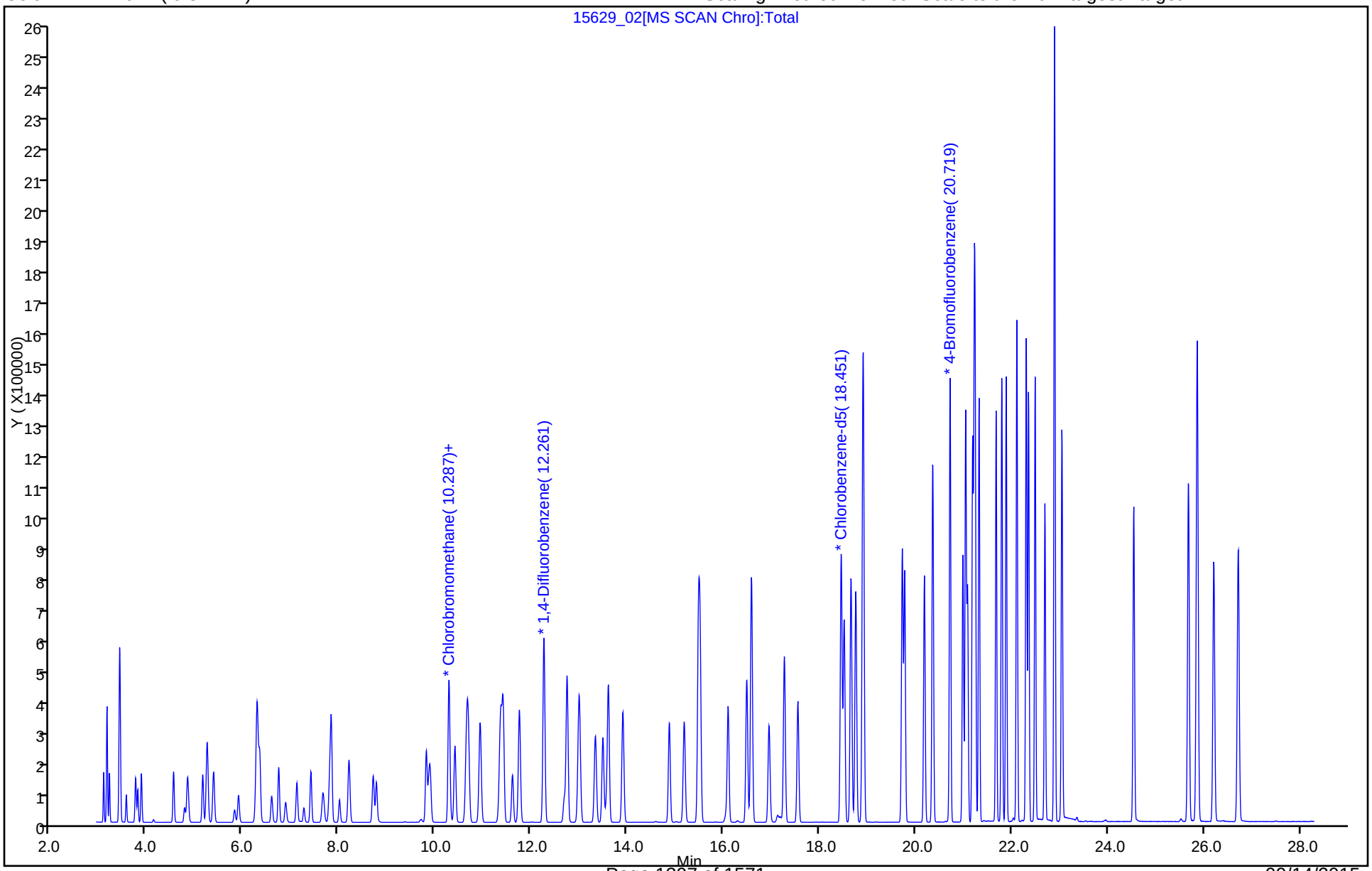
ATTO15CAL4w_00492	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_02.D

Injection Date:	04-Sep-2015 12:32:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_CHX.i.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\CHW.i\20150813-15276.b\15276_001.d				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	13-Aug-2015 14:44:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0015276-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHW.i		
Method:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\TO15_MasterMethod_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	19-Aug-2015 10:29:23	Calib Date:	13-Aug-2015 23:55:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK006				

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		13.119				10.0	ND	
* 50 1,4-Difluorobenzene	114		15.023				10.0	ND	
* 74 Chlorobenzene-d5	117		20.737				10.0	ND	
$ 83 4-Bromofluorobenzene	95		22.208				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

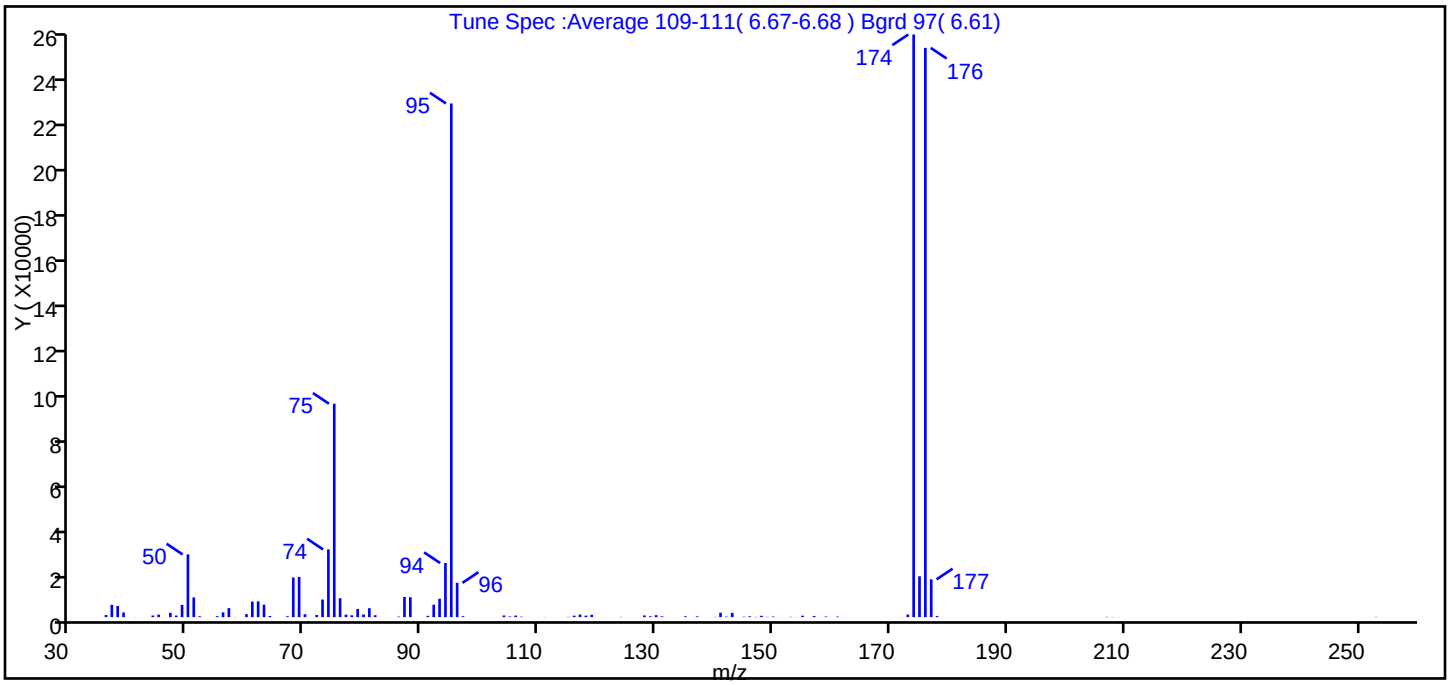
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_001.d
Injection Date: 13-Aug-2015 14:44:30 Instrument ID: CHW.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_MasterMethod_(v1) 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	12.2
75	30.0 to 66.0 Percent of m/e 95	41.6
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.5 (0.4)
174	50.0 to 120.0 Percent of m/e 95	113.4
175	4.0 to 9.0 Percent of m/e 174	8.0 (7.0)
176	93.0 to 101.0 Percent of m/e 174	110.8 (97.7)
177	5.0 to 9.0 Percent of m/e 176	7.4 (6.6)

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_001.d\TO15_MasterMethod_(v1).rslt\
Injection Date: 13-Aug-2015 14:44:30
Spectrum: Tune Spec :Average 109-111(6.67-6.68) Bgrd 97(6.61)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	928	68.00	17048	97.00	399	146.00	369
37.00	5299	69.00	17280	104.00	709	147.00	122
38.00	4795	70.00	1247	105.00	287	148.00	580
39.00	2013	72.00	932	106.00	669	149.00	123
41.00	55	73.00	7580	107.00	206	150.00	270
44.00	709	74.00	29104	111.00	58	153.00	134
45.00	1084	75.00	91720	115.00	122	154.00	52
47.00	1852	76.00	8124	116.00	641	155.00	637
48.00	689	77.00	1070	117.00	1127	157.00	478
49.00	5268	78.00	787	118.00	653	159.00	281
50.00	26960	79.00	3499	119.00	1008	161.00	264
51.00	8469	80.00	1163	124.00	113	172.00	53
52.00	368	81.00	3849	128.00	734	173.00	1120
55.00	421	82.00	838	129.00	386	174.00	250368
56.00	2045	86.00	237	130.00	854	175.00	17568
57.00	3871	87.00	8673	131.00	346	176.00	244608
58.00	60	88.00	8566	135.00	376	177.00	16235
60.00	1304	91.00	572	137.00	337	178.00	469
61.00	6671	92.00	5356	140.00	101	207.00	138
62.00	6783	93.00	7907	141.00	1885	208.00	90
63.00	5351	94.00	23248	142.00	236	209.00	52
64.00	488	95.00	220736	143.00	1852	253.00	113
67.00	385	96.00	14746	145.00	181		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\156779_001.d
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 10-Sep-2015 08:24:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Sep-2015 08:39:08 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: desjardinsb Date: 10-Sep-2015 08:39:08

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		13.114				10.0	ND	
* 50 1,4-Difluorobenzene	114		15.024				10.0	ND	
* 74 Chlorobenzene-d5	117		20.737				10.0	ND	
$ 83 4-Bromofluorobenzene	95		22.208				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Reagents:

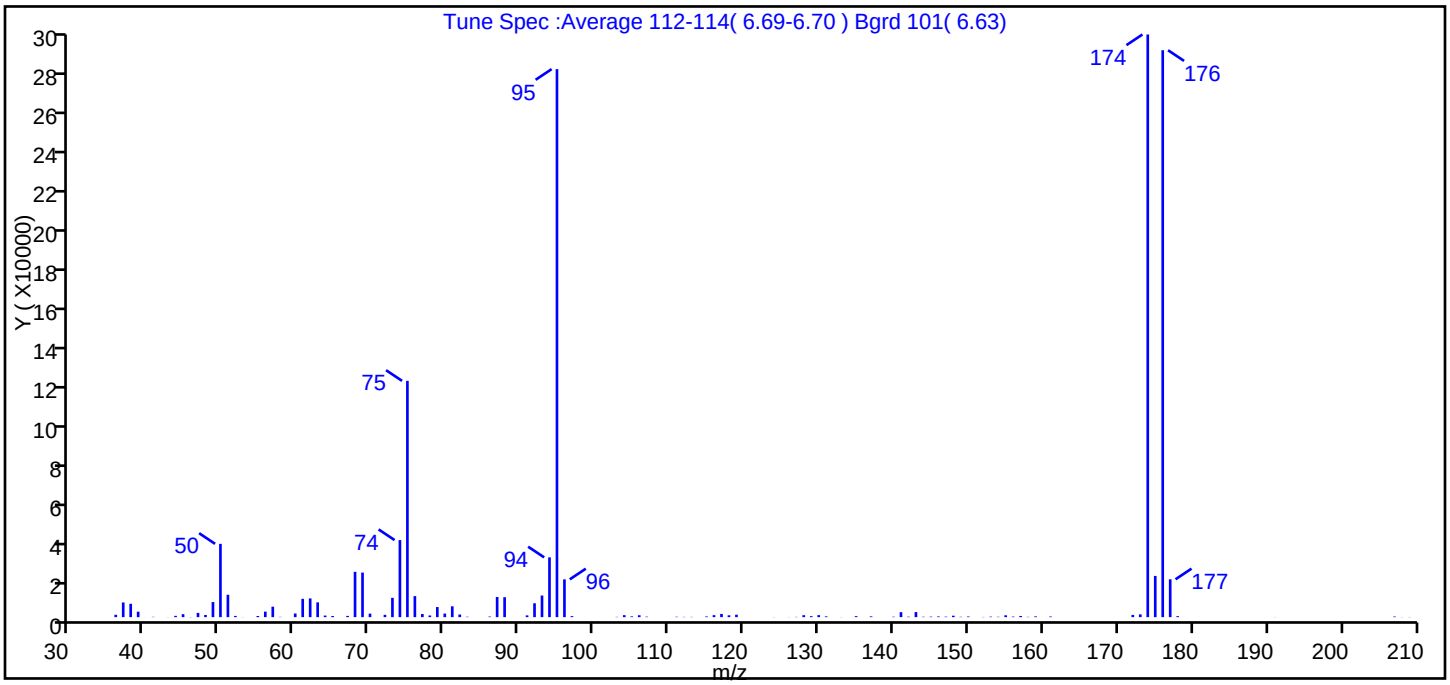
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\156779_001.d				
Injection Date:	10-Sep-2015 08:24:30	Instrument ID:	CHW.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_(v1)	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	13.4
75	30.0 to 66.0 Percent of m/e 95	43.1
96	5.0 to 9.0 Percent of m/e 95	6.9
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	106.3
175	4.0 to 9.0 Percent of m/e 174	7.5 (7.1)
176	93.0 to 101.0 Percent of m/e 174	103.4 (97.3)
177	5.0 to 9.0 Percent of m/e 176	6.9 (6.7)

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\156779_001.d\TO15_MasterMethod_(v1).rs
Injection Date: 10-Sep-2015 08:24:30
Spectrum: Tune Spec :Average 112-114(6.69-6.70) Bgrd 101(6.63)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1216	67.00	637	104.00	1012	145.00	267
37.00	7509	68.00	23200	105.00	390	146.00	355
38.00	6835	69.00	22808	106.00	974	147.00	253
39.00	2797	70.00	1794	107.00	240	148.00	738
40.00	21	72.00	1181	111.00	199	149.00	178
41.00	156	73.00	9879	112.00	132	150.00	328
43.00	53	74.00	39440	113.00	122	152.00	107
44.00	657	75.00	120912	115.00	357	153.00	258
45.00	1511	76.00	10775	116.00	1017	154.00	185
46.00	69	77.00	1624	117.00	1643	155.00	938
47.00	2163	78.00	846	118.00	954	156.00	287
48.00	1113	79.00	5172	119.00	1250	157.00	608
49.00	7717	80.00	1832	124.00	58	158.00	147
50.00	37504	81.00	5543	126.00	54	159.00	397
51.00	11461	82.00	1353	127.00	131	161.00	322
52.00	628	83.00	206	128.00	999	172.00	1123
53.00	53	86.00	293	129.00	503	173.00	1422
55.00	582	87.00	10314	130.00	1019	174.00	298176
56.00	2821	88.00	10211	131.00	400	175.00	21096
57.00	5349	91.00	903	133.00	55	176.00	290112
58.00	142	92.00	7098	135.00	514	177.00	19368
60.00	1867	93.00	11060	137.00	386	178.00	506
61.00	9355	94.00	30592	140.00	217	191.00	52
62.00	9578	95.00	280448	141.00	2537	207.00	309
63.00	7562	96.00	19336	142.00	232	208.00	57
64.00	812	97.00	517	143.00	2593	209.00	85
65.00	579	103.00	144	144.00	199		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 17-Aug-2015 15:35:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Sample Info: 200-0015313-001
Misc. Info.: bfb
Operator ID: pad Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Aug-2015 11:12:19 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 18-Aug-2015 10:52:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 19 BFB									
* 40 Chlorobromomethane	128		10.282				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.267				10.0	ND	
* 73 Chlorobenzene-d5	117		18.456				10.0	ND	
* 83 4-Bromofluorobenzene	95		20.724				10.0	ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

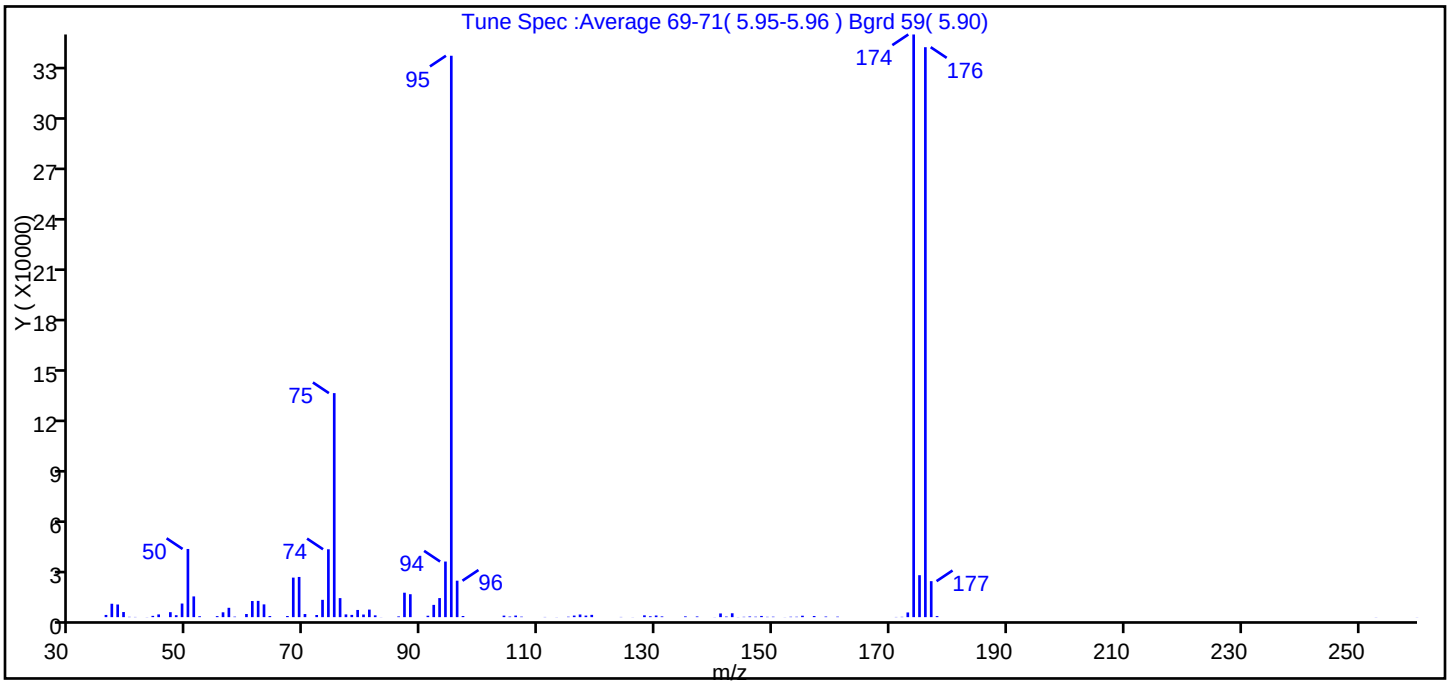
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_01.D
Injection Date: 17-Aug-2015 15:35:30 Instrument ID: CHX.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_CHX.i.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

$ 19 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	12.1
75	30.0 to 66.0 Percent of m/e 95	39.9
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.8 (0.8)
174	50.0 to 120.0 Percent of m/e 95	103.8
175	4.0 to 9.0 Percent of m/e 174	7.5 (7.2)
176	93.0 to 101.0 Percent of m/e 174	101.5 (97.8)
177	5.0 to 9.0 Percent of m/e 176	6.4 (6.3)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_01.D\TO15_LLNJ_TO3_CHX.i.m.rslt\
Injection Date: 17-Aug-2015 15:35:30
Spectrum: Tune Spec :Average 69-71(5.95-5.96) Bgrd 59(5.90)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1320	68.00	23664	104.00	911	146.00	396
37.00	8013	69.00	24056	105.00	352	147.00	265
38.00	7570	70.00	1864	106.00	942	148.00	718
39.00	3059	72.00	1283	107.00	294	149.00	186
40.00	183	73.00	10367	111.00	117	150.00	262
41.00	120	74.00	40624	113.00	67	152.00	56
43.00	72	75.00	134080	115.00	255	153.00	242
44.00	768	76.00	11395	116.00	945	154.00	237
45.00	1632	77.00	1634	117.00	1575	155.00	846
47.00	2979	78.00	1344	118.00	931	157.00	674
48.00	1163	79.00	4301	119.00	1365	159.00	369
49.00	8147	80.00	1560	124.00	121	161.00	297
50.00	40800	81.00	4520	126.00	57	171.00	113
51.00	12410	82.00	1071	128.00	1085	172.00	187
52.00	532	83.00	60	129.00	515	173.00	2802
55.00	616	86.00	437	130.00	978	174.00	348736
56.00	2904	87.00	14630	131.00	439	175.00	25104
57.00	5595	88.00	13725	135.00	465	176.00	341120
58.00	297	91.00	841	137.00	419	177.00	21536
60.00	1888	92.00	7346	140.00	65	178.00	620
61.00	9643	93.00	11407	141.00	2220	253.00	66
62.00	9739	94.00	33280	142.00	342	260.00	54
63.00	7639	95.00	336000	143.00	2323		
64.00	654	96.00	21816	144.00	66		
67.00	676	97.00	685	145.00	200		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_01.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	04-Sep-2015 11:39:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0015629-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHX.i		
Method:	\\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	04-Sep-2015 14:34:03	Calib Date:	17-Aug-2015 23:52:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK033				
First Level Reviewer: desjardinsb		Date:	04-Sep-2015 14:34:03		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 19 BFB									
* 40 Chlorobromomethane	128		10.287				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.261				10.0	ND	
* 73 Chlorobenzene-d5	117		18.451				10.0	ND	
* 83 4-Bromofluorobenzene	95		20.719				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

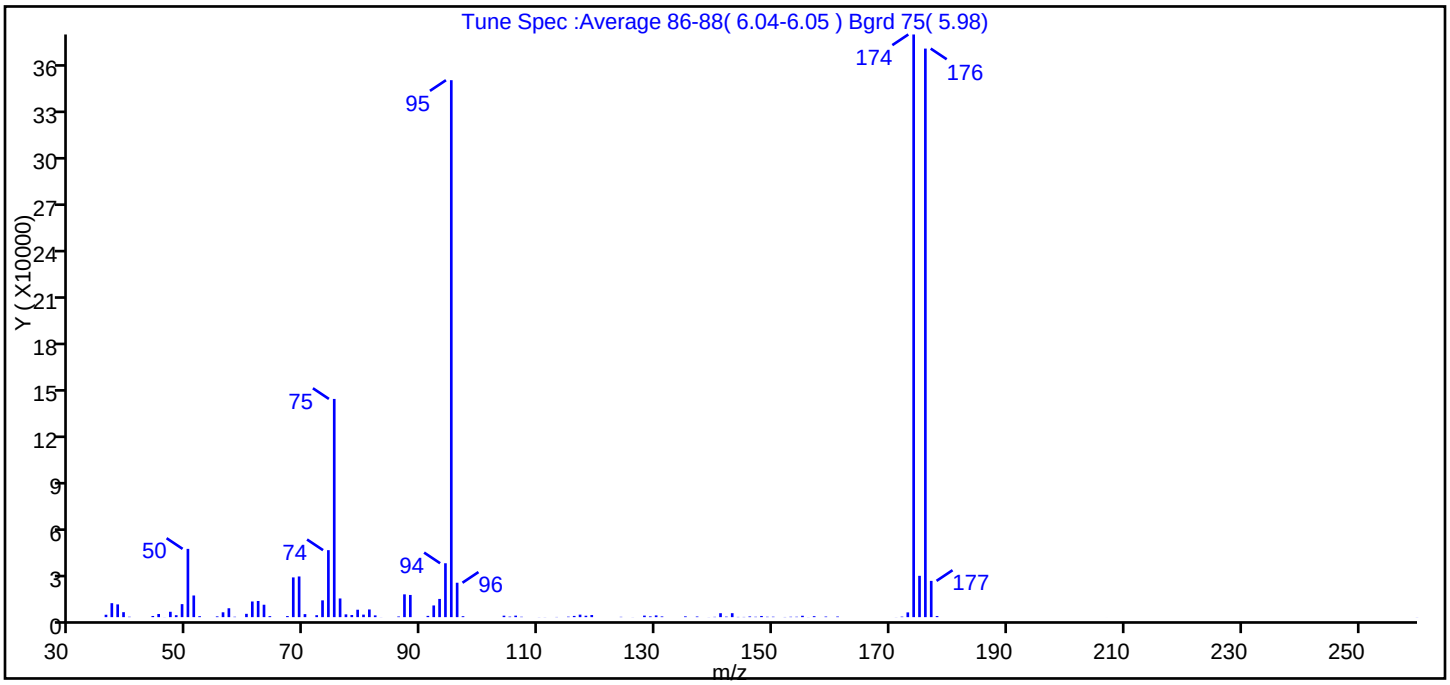
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_01.D
Injection Date: 04-Sep-2015 11:39:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

$ 19 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	12.7
75	30.0 to 66.0 Percent of m/e 95	40.6
96	5.0 to 9.0 Percent of m/e 95	6.4
173	Less than 2.0 Percent of m/e 174	0.9 (0.8)
174	50.0 to 120.0 Percent of m/e 95	108.5
175	4.0 to 9.0 Percent of m/e 174	7.7 (7.1)
176	93.0 to 101.0 Percent of m/e 174	105.9 (97.6)
177	5.0 to 9.0 Percent of m/e 176	6.8 (6.4)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_01.D\TO15_LLNJ_TO3_CHX.i.m.rslt\
Injection Date: 04-Sep-2015 11:39:30
Spectrum: Tune Spec :Average 86-88(6.04-6.05) Bgrd 75(5.98)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1558	69.00	26368	105.00	350	145.00	141
37.00	9054	70.00	1962	106.00	976	146.00	453
38.00	8264	72.00	1257	107.00	247	147.00	247
39.00	3226	73.00	10878	110.00	59	148.00	758
40.00	252	74.00	43416	111.00	59	149.00	246
44.00	757	75.00	141440	113.00	126	150.00	277
45.00	2044	76.00	12107	115.00	314	152.00	107
46.00	51	77.00	1800	116.00	794	153.00	250
47.00	3478	78.00	1363	117.00	1611	154.00	260
48.00	1261	79.00	4807	118.00	920	155.00	889
49.00	8435	80.00	1634	119.00	1366	156.00	55
50.00	44248	81.00	4981	124.00	200	157.00	624
51.00	14038	82.00	1134	126.00	51	159.00	390
52.00	604	83.00	50	128.00	1002	161.00	407
55.00	492	86.00	426	129.00	490	171.00	50
56.00	3150	87.00	14771	130.00	1115	172.00	336
57.00	5762	88.00	14386	131.00	458	173.00	3078
58.00	254	91.00	822	135.00	516	174.00	377664
60.00	2157	92.00	7579	137.00	422	175.00	26784
61.00	10147	93.00	11809	139.00	53	176.00	368512
62.00	10466	94.00	34928	140.00	200	177.00	23512
63.00	8048	95.00	348032	141.00	2556	178.00	691
64.00	640	96.00	22304	142.00	334	207.00	5
67.00	699	97.00	603	143.00	2564	260.00	52
68.00	25752	104.00	951	144.00	153		

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93647/4

Matrix: Air Lab File ID: 15629_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 14:11

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.138	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93647/4

Matrix: Air Lab File ID: 15629_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 14:11

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93647/4

Matrix: Air Lab File ID: 15629_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 14:11

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-93647/4

Matrix: Air | Lab File ID: 15629_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/04/2015 14:11

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.: 93647 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.480	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-93647/4

Matrix: Air | Lab File ID: 15629_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/04/2015 14:11

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.: 93647 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93647/4

Matrix: Air Lab File ID: 15629_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 14:11

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.: 93647 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 04-Sep-2015 14:11:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Sep-2015 16:45:32 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 04-Sep-2015 16:45:32

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		3.097					ND	
2 Dichlorodifluoromethane	85		3.167					ND	
3 Chlorodifluoromethane	51		3.215					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.429					ND	
5 Chloromethane	50		3.568					ND	
6 Butane	43		3.761					ND	
7 Vinyl chloride	62		3.809					ND	
8 Butadiene	54		3.884					ND	
9 Bromomethane	94		4.552					ND	
10 Chloroethane	64		4.777					ND	
11 2-Methylbutane	43		4.847					ND	
12 Vinyl bromide	106		5.157					ND	
13 Trichlorofluoromethane	101		5.248					ND	
14 Pentane	43		5.387					ND	
15 Ethanol	45		5.820					ND	
16 Ethyl ether	59		5.906					ND	
17 Acrolein	56		6.291					ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.291					ND	
20 1,1-Dichloroethene	96		6.350					ND	
21 Acetone	43	6.687	6.596	0.091	89	4568		0.2998	
22 Carbon disulfide	76		6.740					ND	
23 Isopropyl alcohol	45		6.885					ND	
24 3-Chloro-1-propene	41		7.120					ND	
25 Acetonitrile	41		7.265					ND	
26 Methylene Chloride	49	7.409	7.409	0.000	82	1773		0.1382	
T 27 Methyl Acetate TIC	43		7.568					ND	
28 2-Methyl-2-propanol	59		7.660					ND	
29 Methyl tert-butyl ether	73		7.810					ND	
30 trans-1,2-Dichloroethene	61		7.837					ND	
31 Acrylonitrile	53		8.008					ND	
32 Hexane	57		8.206					ND	

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		8.709					ND	
34 Vinyl acetate	43		8.773					ND	
35 cis-1,2-Dichloroethene	96		9.816					ND	
36 2-Butanone (MEK)	72		9.870					ND	
37 Ethyl acetate	88		9.897					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	75	174058	10.0	10.0	
39 Tetrahydrofuran	42		10.293					ND	
41 Chloroform	83		10.410					ND	
42 Cyclohexane	84		10.651					ND	
43 1,1,1-Trichloroethane	97		10.688					ND	
44 Carbon tetrachloride	117		10.934					ND	
45 Isooctane	57		11.362					ND	
46 Benzene	78		11.411					ND	
47 1,2-Dichloroethane	62		11.609					ND	
48 n-Heptane	43		11.748					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.267	12.261	0.006	92	973917	10.0	10.0	
51 n-Butanol	56		12.689					ND	
52 Trichloroethene	95		12.743					ND	
53 1,2-Dichloropropane	63		13.336					ND	
54 Methyl methacrylate	69		13.492					ND	
55 1,4-Dioxane	88		13.567					ND	
56 Dibromomethane	174		13.604					ND	
57 Dichlorobromomethane	83		13.909					ND	
58 cis-1,3-Dichloropropene	75		14.877					ND	
A 60 TVOC as Toluene	1		(3.065-26.802)					ND	
A 59 Total Hydrocarbons	1	14.933	(3.065-26.802)		0	429153			NC
61 4-Methyl-2-pentanone (MIBK	43		15.182					ND	
62 Toluene	92		15.482					ND	
A 63 Toluene Range	1		(15.472-15.492)					ND	
66 n-Octane	43		15.514					ND	
A 64 C8 Range	1		(15.504-15.524)					ND	
A 65 GRO	1		(15.514-15.514)					ND	
67 trans-1,3-Dichloropropene	75		16.097					ND	
68 1,1,2-Trichloroethane	83		16.487					ND	
69 Tetrachloroethene	166		16.584					ND	
70 2-Hexanone	43		16.948					ND	
71 Chlorodibromomethane	129		17.269					ND	
72 Ethylene Dibromide	107		17.552					ND	
* 73 Chlorobenzene-d5	117	18.451	18.451	0.000	81	987750	10.0	10.0	
74 Chlorobenzene	112		18.515					ND	
75 Ethylbenzene	91		18.654					ND	
76 n-Nonane	57		18.756					ND	
77 m-Xylene & p-Xylene	106		18.911					ND	
78 o-Xylene	106		19.724					ND	
79 Styrene	104		19.772					ND	
S 80 Xylenes, Total	106		20.000					ND	
81 Bromoform	173		20.184					ND	
82 Isopropylbenzene	105		20.361					ND	
* 83 4-Bromofluorobenzene	95	20.719	20.719	0.000	97	640410	10.0	10.0	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,1,2,2-Tetrachloroethane	83		20.987					ND	
86 N-Propylbenzene	91		21.045					ND	
87 1,2,3-Trichloropropane	75		21.083					ND	
88 n-Decane	57		21.190					ND	
89 4-Ethyltoluene	105		21.222					ND	
90 2-Chlorotoluene	91		21.243					ND	
91 1,3,5-Trimethylbenzene	105		21.324					ND	
92 Alpha Methyl Styrene	118		21.677					ND	
93 tert-Butylbenzene	119		21.794					ND	
94 1,2,4-Trimethylbenzene	105		21.885					ND	
95 sec-Butylbenzene	105		22.110					ND	
96 4-Isopropyltoluene	119		22.303					ND	
97 1,3-Dichlorobenzene	146		22.351					ND	
98 1,4-Dichlorobenzene	146		22.490					ND	
99 Benzyl chloride	91		22.693					ND	
100 Undecane	57		22.891					ND	
101 n-Butylbenzene	91		22.896					ND	
102 1,2-Dichlorobenzene	146		23.046					ND	
103 Dodecane	57		24.544					ND	
104 1,2,4-Trichlorobenzene	180	25.673	25.678	-0.005	62	768		0.0106	
105 Hexachlorobutadiene	225		25.865					ND	
106 Naphthalene	128		26.208					ND	
107 1,2,3-Trichlorobenzene	180		26.721					ND	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

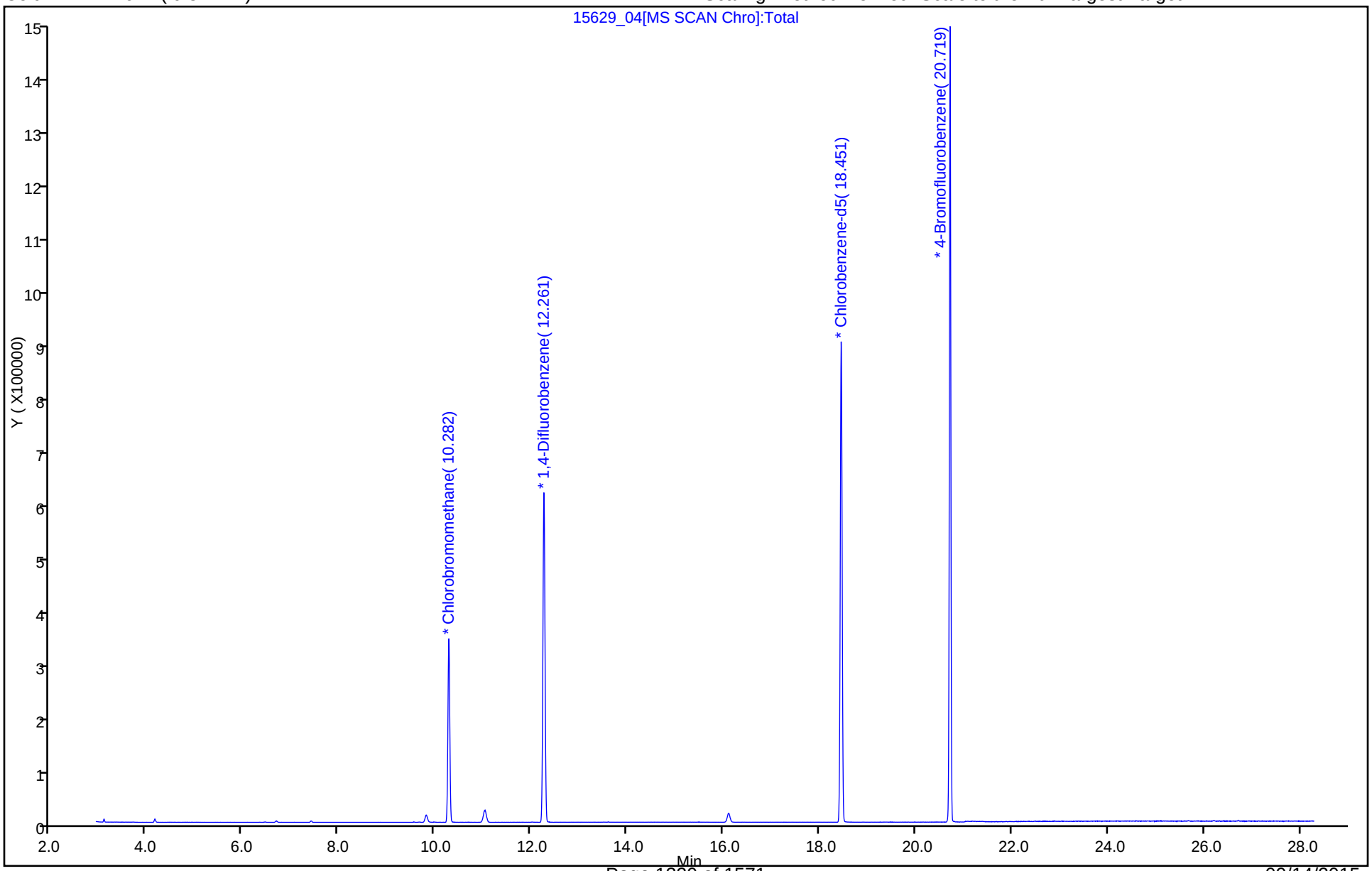
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_04.D

Injection Date:	04-Sep-2015 14:11:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

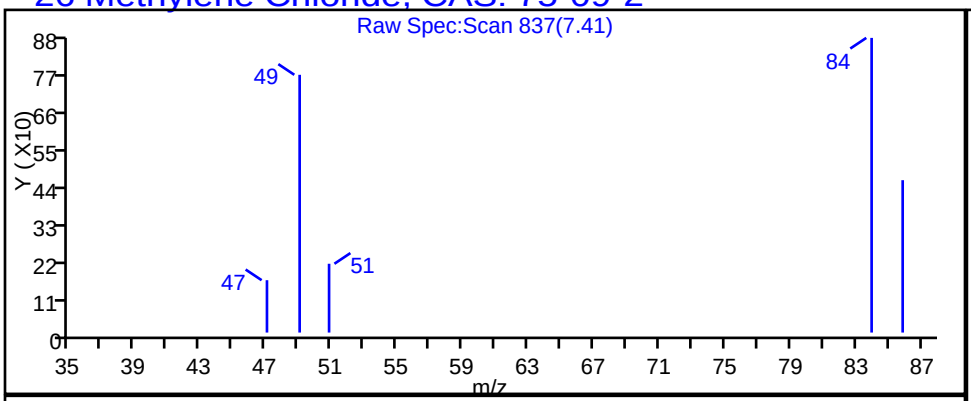
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

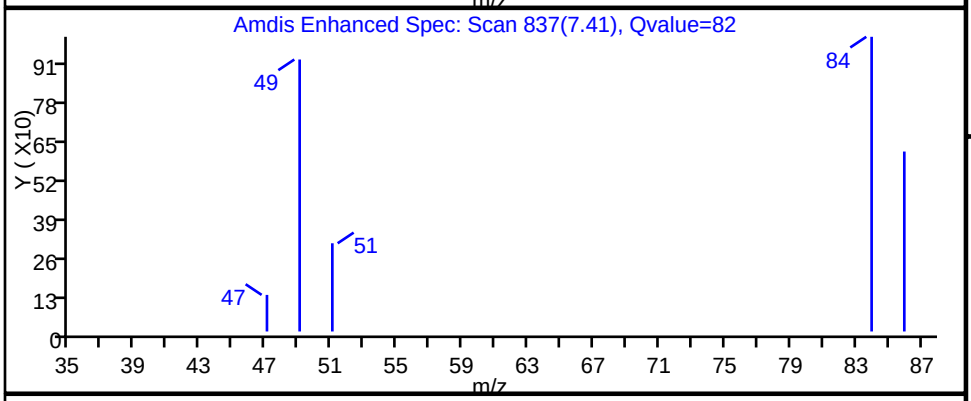


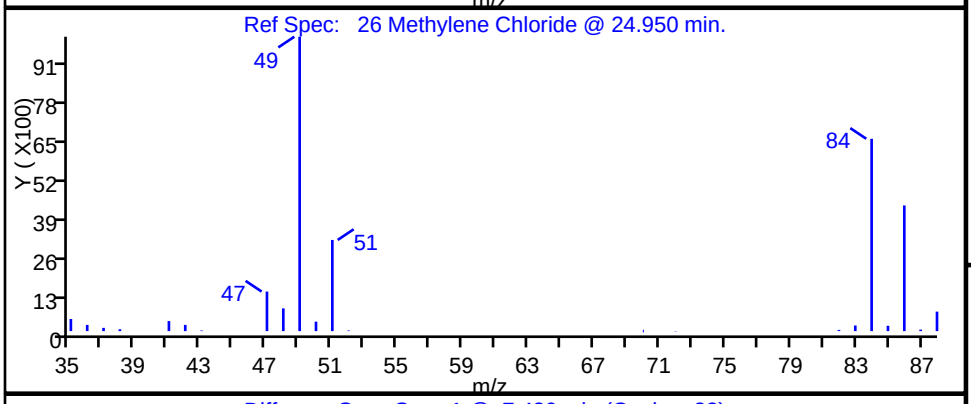
TestAmerica Burlington

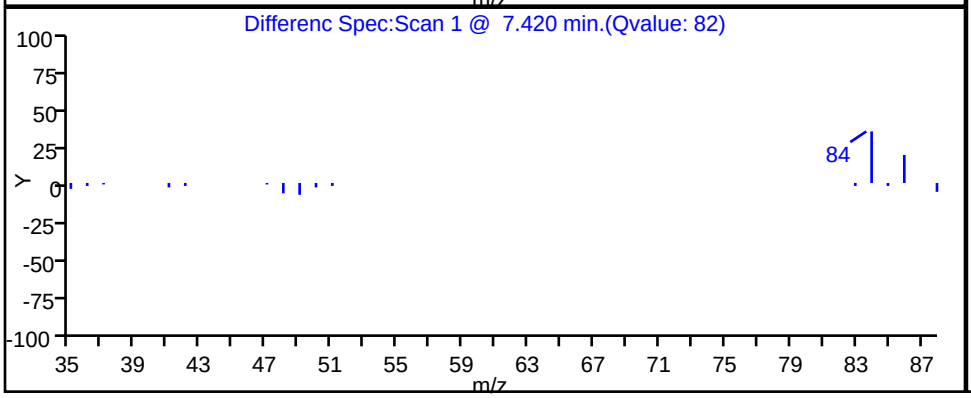
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_04.D
Injection Date: 04-Sep-2015 14:11:30 Instrument ID: CHX.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

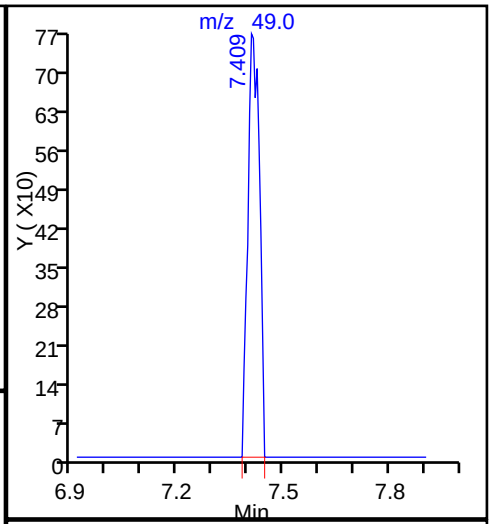
26 Methylene Chloride, CAS: 75-09-2

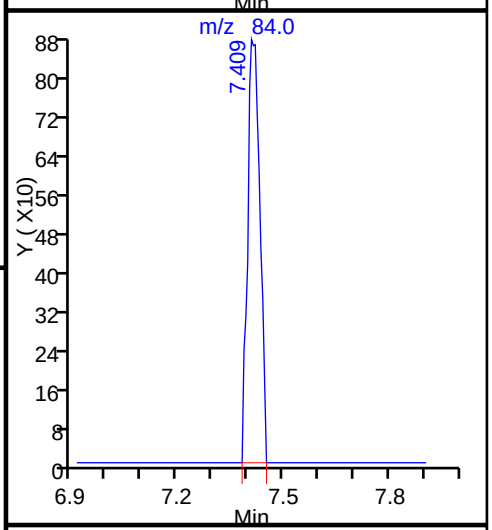


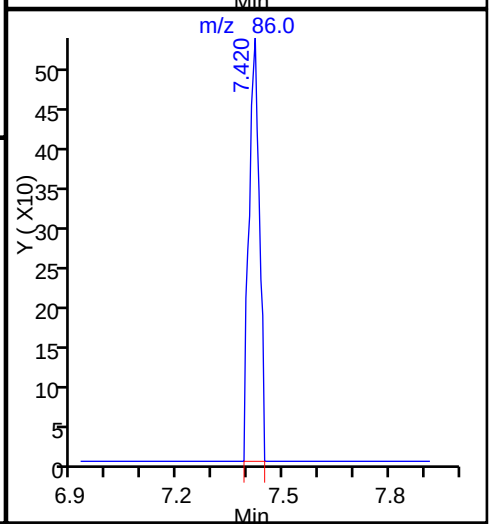












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93784/4

Matrix: Air Lab File ID: 15679_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:51

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.40	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington | Job No.: 200-29580-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-93784/4

Matrix: Air | Lab File ID: 15679_004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/10/2015 10:51

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.: 93784 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.080	U	0.20	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.70	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93784/4

Matrix: Air Lab File ID: 15679_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:51

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93784/4

Matrix: Air Lab File ID: 15679_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:51

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	1.6	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93784/4

Matrix: Air Lab File ID: 15679_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:51

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.33	U	0.82	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	3.0	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-93784/4

Matrix: Air Lab File ID: 15679_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:51

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.: 93784 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_004.d
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 10-Sep-2015 10:51:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Sep-2015 13:22:34 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: desjardinsb Date: 10-Sep-2015 13:22:34

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		4.313					ND	
2 Dichlorodifluoromethane	85		4.415					ND	
3 Chlorodifluoromethane	51		4.485					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		4.795					ND	
5 Chloromethane	50		4.998					ND	
6 Butane	43		5.282					ND	
7 Vinyl chloride	62		5.341					ND	
8 Butadiene	54		5.448					ND	
10 Bromomethane	94		6.368					ND	
11 Chloroethane	64		6.667					ND	
12 2-Methylbutane	43		6.758					ND	
13 Vinyl bromide	106		7.170					ND	
14 Trichlorofluoromethane	101		7.288					ND	
16 Pentane	43		7.464					ND	
17 Ethanol	45		7.951					ND	
18 Ethyl ether	59		8.090					ND	
T 15 Methyl Acetate TIC	43		8.501					ND	
19 Acrolein	56		8.582					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		8.593					ND	
21 1,1-Dichloroethene	96		8.668					ND	
22 Acetone	43		8.946					ND	
23 Carbon disulfide	76		9.166					ND	
24 Isopropyl alcohol	45		9.224					ND	
25 3-Chloro-1-propene	41		9.594					ND	
26 Acetonitrile	41		9.759					ND	
27 Methylene Chloride	49		9.931					ND	
28 2-Methyl-2-propanol	59		10.123					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	
29 Methyl tert-butyl ether	73		10.375					ND	
31 trans-1,2-Dichloroethene	61		10.433					ND	
32 Acrylonitrile	53		10.621					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Hexane	57		10.856					ND	
34 1,1-Dichloroethane	63		11.429					ND	
35 Vinyl acetate	43		11.477					ND	
T 36 Methyl cyclohexane TIC	55		11.500					ND	
37 cis-1,2-Dichloroethene	96		12.621					ND	
38 2-Butanone (MEK)	72		12.654					ND	
39 Ethyl acetate	88		12.670					ND	
* 40 Chlorobromomethane	128	13.114	13.114	0.000	70	265333	10.0	10.0	
41 Tetrahydrofuran	42		13.114					ND	
42 Chloroform	83		13.221					ND	
43 Cyclohexane	84		13.515					ND	
44 1,1,1-Trichloroethane	97		13.536					ND	
45 Carbon tetrachloride	117		13.788					ND	
46 Isooctane	57		14.189					ND	
47 Benzene	78		14.259					ND	
48 1,2-Dichloroethane	62		14.424					ND	
49 n-Heptane	43		14.537					ND	
A 51 GRO	1	14.919	(6.748-23.090)		0	4207308		0	
* 50 1,4-Difluorobenzene	114	15.018	15.018	0.000	92	1256599	10.0	10.0	
52 n-Butanol	56		15.296					ND	
53 Trichloroethene	95		15.484					ND	
54 1,2-Dichloropropane	63		16.024					ND	
55 Methyl methacrylate	69		16.104					ND	
56 1,4-Dioxane	88		16.200					ND	
57 Dibromomethane	174		16.259					ND	
58 Dichlorobromomethane	83		16.505					ND	
A 59 TVOC as Toluene	92	16.837	(4.303-29.371)		0	4436746		49.0	
60 cis-1,3-Dichloropropene	75		17.383					ND	
61 4-Methyl-2-pentanone (MIBK	43		17.629					ND	
64 n-Octane	43		17.939					ND	
A 62 C8 Range	1	17.939	(17.889-17.989)		0	5246		NC	
65 Toluene	92		17.960					ND	
A 63 Toluene Range	92	17.960	(17.920-18.000)		0	5246		0.0625	
66 trans-1,3-Dichloropropene	75		18.495					ND	
67 1,1,2-Trichloroethane	83		18.865					ND	
68 Tetrachloroethene	166		18.993					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		19.141					ND	
69 2-Hexanone	43		19.266					ND	
71 Chlorodibromomethane	129		19.624					ND	
72 Ethylene Dibromide	107		19.918					ND	
S 73 Xylenes, Total	106		20.100					ND	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	82	1164086	10.0	10.0	
75 Chlorobenzene	112		20.790					ND	
76 Ethylbenzene	91		20.903					ND	
77 n-Nonane	57		20.946					ND	
78 m-Xylene & p-Xylene	106		21.111					ND	
79 o-Xylene	106		21.807					ND	
80 Styrene	104		21.839					ND	
81 Bromoform	173		22.208					ND	
$ 83 4-Bromofluorobenzene	95		22.208				ND	ND	
82 Isopropylbenzene	105		22.353					ND	
84 1,1,2,2-Tetrachloroethane	83		22.898					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	91		22.979					ND	
86 1,2,3-Trichloropropane	75		23.005					ND	
87 n-Decane	57		23.080					ND	
88 4-Ethyltoluene	105		23.144					ND	
89 2-Chlorotoluene	91		23.176					ND	
90 1,3,5-Trimethylbenzene	105		23.235					ND	
91 Alpha Methyl Styrene	118		23.588					ND	
92 tert-Butylbenzene	119		23.722					ND	
93 1,2,4-Trimethylbenzene	105		23.818					ND	
94 sec-Butylbenzene	105		24.065					ND	
95 4-Isopropyltoluene	119		24.268					ND	
96 1,3-Dichlorobenzene	146		24.337					ND	
97 1,4-Dichlorobenzene	146		24.487					ND	
98 Benzyl chloride	91		24.706					ND	
99 Undecane	57		24.894					ND	
100 n-Butylbenzene	91		24.926					ND	
101 1,2-Dichlorobenzene	146		25.113					ND	
102 Dodecane	57		26.782					ND	
103 1,2,4-Trichlorobenzene	180	28.152	28.141	0.011	84	2210		0.0177	
104 Hexachlorobutadiene	225		28.355					ND	
105 Naphthalene	128		28.772					ND	
106 1,2,3-Trichlorobenzene	180	29.371	29.361	0.010	57	1905		0.0168	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

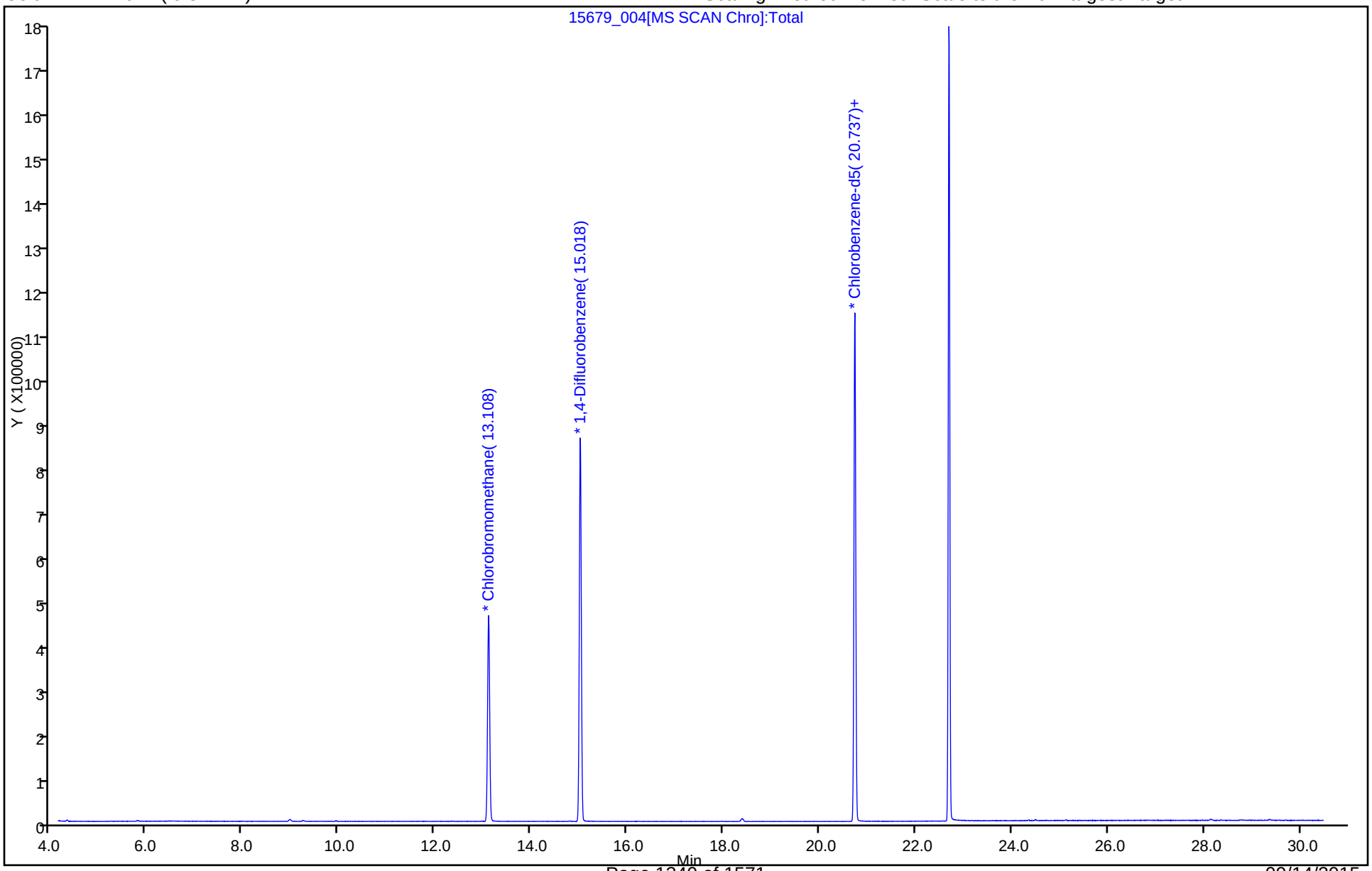
Report Date: 10-Sep-2015 13:22:34 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_004.d

Injection Date:	10-Sep-2015 10:51:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_MasterMethod_(v1)	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.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-93647/3

Matrix: Air Lab File ID: 15629_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 13:22

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.4		0.50	0.056
75-45-6	Freon 22	86.47	10.1		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.4		0.20	0.052
74-87-3	Chloromethane	50.49	9.35		0.50	0.060
106-97-8	n-Butane	58.12	9.44		0.50	0.18
75-01-4	Vinyl chloride	62.50	9.97		0.20	0.026
106-99-0	1,3-Butadiene	54.09	9.42		0.20	0.036
74-83-9	Bromomethane	94.94	10.1		0.20	0.044
75-00-3	Chloroethane	64.52	9.50		0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.85		0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	10.2		0.20	0.045
76-13-1	Freon TF	187.38	10.2		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	10.0		0.20	0.010
67-64-1	Acetone	58.08	9.62		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	8.29		5.0	0.15
75-15-0	Carbon disulfide	76.14	11.5		0.50	0.030
107-05-1	3-Chloropropene	76.53	9.83		0.50	0.16
75-09-2	Methylene Chloride	84.93	9.14		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	8.88		5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	9.90		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.4		0.20	0.027
110-54-3	n-Hexane	86.17	9.86		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	9.84		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	9.25		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	10.1		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	20.5		0.40	0.053
67-66-3	Chloroform	119.38	10.5		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	9.71		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	10.5		0.20	0.030
110-82-7	Cyclohexane	84.16	10.0		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	11.0		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	9.81		0.20	0.023
71-43-2	Benzene	78.11	10.0		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	10.4		0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-93647/3

Matrix: Air Lab File ID: 15629_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 13:22

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.80		0.20	0.037
79-01-6	Trichloroethene	131.39	10.1		0.20	0.030
80-62-6	Methyl methacrylate	100.12	10.9		0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	10.5		0.20	0.035
123-91-1	1,4-Dioxane	88.11	9.63		5.0	0.16
75-27-4	Bromodichloromethane	163.83	11.1		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	10.9		0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	10.8		0.50	0.18
108-88-3	Toluene	92.14	10.3		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	10.5		0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	10.5		0.20	0.037
127-18-4	Tetrachloroethene	165.83	10.6		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.3		0.50	0.17
124-48-1	Dibromochloromethane	208.29	11.4		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.7		0.20	0.018
108-90-7	Chlorobenzene	112.56	10.5		0.20	0.018
100-41-4	Ethylbenzene	106.17	10.3		0.20	0.020
179601-23-1	m,p-Xylene	106.17	20.5		0.50	0.025
95-47-6	Xylene, o-	106.17	10.1		0.20	0.018
1330-20-7	Xylene (total)	106.17	30.6		0.70	0.041
100-42-5	Styrene	104.15	10.3		0.20	0.016
75-25-2	Bromoform	252.75	14.1	Q	0.20	0.025
98-82-8	Cumene	120.19	10.1		0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.7		0.20	0.034
103-65-1	n-Propylbenzene	120.19	10.2		0.20	0.027
622-96-8	4-Ethyltoluene	120.20	10.3		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	10.1		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	10.1		0.20	0.031
98-06-6	tert-Butylbenzene	134.22	10.0		0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	9.91		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	9.21		0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	8.60		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	10.6		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	10.5		0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-93647/3

Matrix: Air Lab File ID: 15629_03.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/04/2015 13:22

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.: 93647 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	9.93		0.20	0.018
104-51-8	n-Butylbenzene	134.22	10.2		0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	10.4		0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	9.57		0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	10.4		0.20	0.036
91-20-3	Naphthalene	128.17	9.19		0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_03.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 04-Sep-2015 13:22:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015629-003
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Sep-2015 14:34:48 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: desjardinsb Date: 04-Sep-2015 14:35:57

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	3.103	3.097	0.006	99	67665	10.0	9.42	
2 Dichlorodifluoromethane	85	3.172	3.167	0.005	99	348652	10.0	10.4	
3 Chlorodifluoromethane	51	3.220	3.215	0.005	97	165016	10.0	10.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.434	3.429	0.005	93	388215	10.0	11.4	
5 Chloromethane	50	3.573	3.568	0.005	99	88534	10.0	9.35	
6 Butane	43	3.766	3.761	0.006	99	146717	10.0	9.44	
7 Vinyl chloride	62	3.809	3.809	0.000	98	118974	10.0	9.97	
8 Butadiene	54	3.889	3.884	0.005	94	80758	10.0	9.42	
$ 19 BFB									
9 Bromomethane	94	4.558	4.552	0.006	99	136694	10.0	10.1	
10 Chloroethane	64	4.788	4.777	0.011	99	57293	10.0	9.50	
11 2-Methylbutane	43	4.847	4.847	0.001	92	106748	10.0	9.59	
12 Vinyl bromide	106	5.162	5.157	0.005	99	153740	10.0	9.85	
13 Trichlorofluoromethane	101	5.259	5.248	0.011	98	379138	10.0	10.2	
14 Pentane	43	5.387	5.387	0.000	96	179860	10.0	10.2	
15 Ethanol	45	5.842	5.820	0.022	98	45956	15.0	12.4	
16 Ethyl ether	59	5.911	5.906	0.005	93	84735	10.0	10.9	
17 Acrolein	56	6.296	6.291	0.005	96	42264	10.0	14.4	
18 1,1,2-Trichloro-1,2,2-trif	101	6.296	6.291	0.005	94	301584	10.0	10.2	
20 1,1-Dichloroethene	96	6.350	6.350	0.000	93	138929	10.0	10.0	
21 Acetone	43	6.601	6.596	0.005	88	145664	10.0	9.62	
22 Carbon disulfide	76	6.746	6.740	0.006	98	405818	10.0	11.5	
23 Isopropyl alcohol	45	6.906	6.885	0.021	99	118903	10.0	8.29	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	90	115118	10.0	9.83	
25 Acetonitrile	41	7.270	7.265	0.005	99	67508	10.0	9.41	
26 Methylene Chloride	49	7.414	7.409	0.005	83	116507	10.0	9.14	
28 2-Methyl-2-propanol	59	7.682	7.660	0.022	99	204247	10.0	8.88	
29 Methyl tert-butyl ether	73	7.816	7.810	0.006	96	380041	10.0	9.90	
30 trans-1,2-Dichloroethene	61	7.842	7.837	0.005	89	184965	10.0	10.4	
31 Acrylonitrile	53	8.014	8.008	0.006	95	81693	10.0	9.87	
32 Hexane	57	8.212	8.206	0.006	89	186625	10.0	9.86	

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	8.709	8.709	0.000	99	236831	10.0	9.84	
34 Vinyl acetate	43	8.779	8.773	0.006	99	280236	10.0	9.93	
35 cis-1,2-Dichloroethene	96	9.816	9.816	0.000	94	177682	10.0	10.1	
36 2-Butanone (MEK)	72	9.875	9.870	0.005	99	74281	10.0	9.25	
37 Ethyl acetate	88	9.902	9.897	0.005	99	14117	10.0	11.1	
S 38 1,2-Dichloroethene, Total	61				0		20.0	20.5	
* 40 Chlorobromomethane	128	10.287	10.287	0.000	75	172941	10.0	10.0	
39 Tetrahydrofuran	42	10.298	10.293	0.006	87	131643	10.0	9.71	
41 Chloroform	83	10.410	10.410	0.000	99	336130	10.0	10.5	
42 Cyclohexane	84	10.656	10.651	0.005	87	238528	10.0	10.0	
43 1,1,1-Trichloroethane	97	10.688	10.688	0.000	96	363133	10.0	10.5	
44 Carbon tetrachloride	117	10.940	10.934	0.006	96	398926	10.0	11.0	
45 Isooctane	57	11.368	11.362	0.006	99	780856	10.0	9.81	
46 Benzene	78	11.416	11.411	0.005	94	556022	10.0	10.0	
47 1,2-Dichloroethane	62	11.609	11.609	0.000	97	203363	10.0	10.4	
48 n-Heptane	43	11.753	11.748	0.005	88	262822	10.0	9.80	
* 50 1,4-Difluorobenzene	114	12.267	12.261	0.006	92	951674	10.0	10.0	
51 n-Butanol	56	12.705	12.689	0.016	83	92149	10.0	9.97	
52 Trichloroethene	95	12.743	12.743	0.000	93	281668	10.0	10.1	
53 1,2-Dichloropropane	63	13.337	13.336	0.001	95	221911	10.0	10.5	
54 Methyl methacrylate	69	13.497	13.492	0.005	83	228395	10.0	10.9	
55 1,4-Dioxane	88	13.572	13.567	0.005	88	100515	10.0	9.63	
56 Dibromomethane	174	13.609	13.604	0.005	89	351224	10.0	10.4	
57 Dichlorobromomethane	83	13.909	13.909	0.000	98	439781	10.0	11.1	
58 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	87	361375	10.0	10.9	
A 60 TVOC as Toluene	1	14.933	(3.065-26.802)		0	124772394	10.0	2574.8	
61 4-Methyl-2-pentanone (MIBK	43	15.193	15.182	0.011	93	392070	10.0	10.8	
62 Toluene	92	15.482	15.482	0.000	93	505095	10.0	10.3	
A 63 Toluene Range	1		(15.472-15.492)				ND	ND	
66 n-Octane	43	15.514	15.514	0.000	87	436113	10.0	10.6	
A 64 C8 Range	1		(15.504-15.524)				ND	ND	
A 65 GRO	1	15.514	(15.514-15.514)		0	3627507	10.0	0	
67 trans-1,3-Dichloropropene	75	16.102	16.097	0.005	93	362349	10.0	10.5	
68 1,1,2-Trichloroethane	83	16.488	16.487	0.001	96	241564	10.0	10.5	
69 Tetrachloroethene	166	16.589	16.584	0.005	94	521304	10.0	10.6	
70 2-Hexanone	43	16.953	16.948	0.005	93	377000	10.0	10.3	
71 Chlorodibromomethane	129	17.269	17.269	0.000	98	543185	10.0	11.4	
72 Ethylene Dibromide	107	17.552	17.552	0.000	98	483132	10.0	10.7	
* 73 Chlorobenzene-d5	117	18.456	18.451	0.005	81	967593	10.0	10.0	
74 Chlorobenzene	112	18.515	18.515	0.000	98	735629	10.0	10.5	
75 Ethylbenzene	91	18.660	18.654	0.006	97	1097774	10.0	10.3	
76 n-Nonane	57	18.761	18.756	0.005	86	459293	10.0	10.1	
77 m-Xylene & p-Xylene	106	18.911	18.911	0.000	99	916749	20.0	20.5	
78 o-Xylene	106	19.724	19.724	0.000	95	447015	10.0	10.1	
79 Styrene	104	19.772	19.772	0.000	98	710806	10.0	10.3	
S 80 Xylenes, Total	106				0		30.0	30.6	
81 Bromoform	173	20.184	20.184	0.000	99	627377	10.0	14.1	
82 Isopropylbenzene	105	20.361	20.361	0.000	94	1276690	10.0	10.1	
* 83 4-Bromofluorobenzene	95	20.719	20.719	0.000	97	636390	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	20.987	20.987	0.000	98	637813	10.0	10.7	
86 N-Propylbenzene	91	21.045	21.045	0.000	100	1495898	10.0	10.2	
87 1,2,3-Trichloropropane	75	21.083	21.083	0.000	96	456448	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
88 n-Decane	57	21.190	21.190	0.000	88	484886	10.0	8.41	
89 4-Ethyltoluene	105	21.222	21.222	0.000	98	1315874	10.0	10.3	
90 2-Chlorotoluene	91	21.243	21.243	0.000	96	1008313	10.0	10.1	
91 1,3,5-Trimethylbenzene	105	21.324	21.324	0.000	95	1061213	10.0	10.1	
92 Alpha Methyl Styrene	118	21.677	21.677	0.000	92	594709	10.0	10.7	
93 tert-Butylbenzene	119	21.800	21.794	0.006	96	1054200	10.0	10.0	
94 1,2,4-Trimethylbenzene	105	21.885	21.885	0.000	96	1046594	10.0	9.91	
95 sec-Butylbenzene	105	22.110	22.110	0.000	99	1413973	10.0	9.21	
96 4-Isopropyltoluene	119	22.308	22.303	0.005	98	1163099	10.0	8.60	
97 1,3-Dichlorobenzene	146	22.351	22.351	0.000	99	860484	10.0	10.6	
98 1,4-Dichlorobenzene	146	22.490	22.490	0.000	97	866678	10.0	10.5	
99 Benzyl chloride	91	22.693	22.693	0.000	100	853392	10.0	9.93	
100 Undecane	57	22.896	22.891	0.005	69	596131	10.0	10.1	
101 n-Butylbenzene	91	22.896	22.896	0.000	96	1160517	10.0	10.2	
102 1,2-Dichlorobenzene	146	23.046	23.046	0.000	99	797026	10.0	10.4	
103 Dodecane	57	24.544	24.544	0.000	94	451393	10.0	8.35	
104 1,2,4-Trichlorobenzene	180	25.684	25.678	0.006	93	679676	10.0	9.57	
105 Hexachlorobutadiene	225	25.866	25.865	0.001	96	687802	10.0	10.4	
106 Naphthalene	128	26.213	26.208	0.005	99	1250511	10.0	9.19	
107 1,2,3-Trichlorobenzene	180	26.722	26.721	0.001	95	584977	10.0	8.91	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00514	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

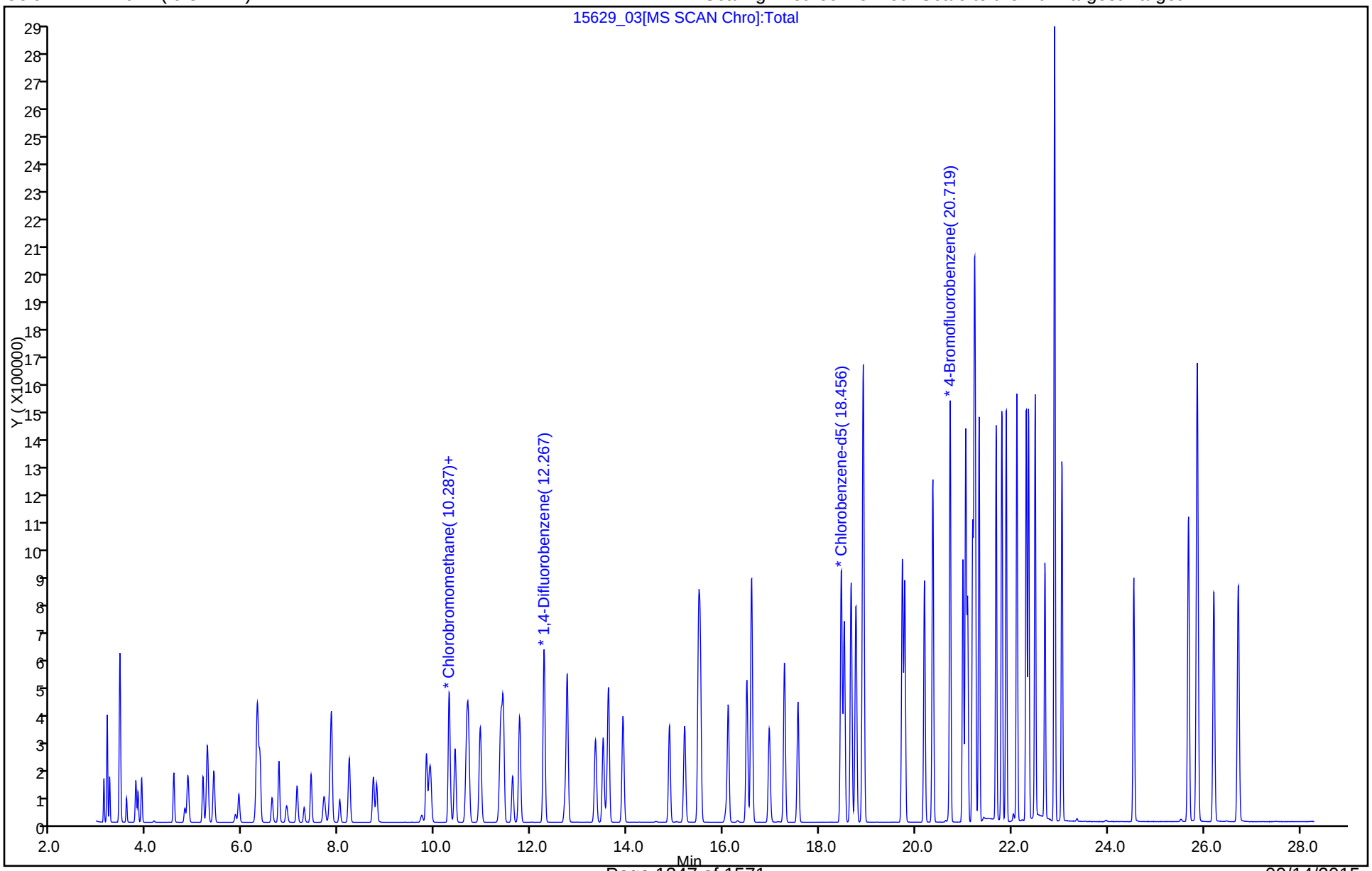
Report Date: 04-Sep-2015 14:35:58 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150904-15629.b\15629_03.D

Injection Date:	04-Sep-2015 13:22:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHX.i.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.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-93784/3

Matrix: Air Lab File ID: 15679_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:02

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.7		0.50	0.056
75-45-6	Freon 22	86.47	9.87		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.1		0.20	0.052
74-87-3	Chloromethane	50.49	8.92		0.50	0.060
106-97-8	n-Butane	58.12	8.57		0.50	0.18
75-01-4	Vinyl chloride	62.50	9.02		0.20	0.026
106-99-0	1,3-Butadiene	54.09	8.60		0.20	0.036
74-83-9	Bromomethane	94.94	9.27		0.20	0.044
75-00-3	Chloroethane	64.52	9.53		0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.96		0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	10.7		0.20	0.045
76-13-1	Freon TF	187.38	10.4		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	9.89		0.20	0.010
67-64-1	Acetone	58.08	9.49		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	8.14		5.0	0.15
75-15-0	Carbon disulfide	76.14	11.2		0.50	0.030
107-05-1	3-Chloropropene	76.53	9.59		0.50	0.16
75-09-2	Methylene Chloride	84.93	9.36		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	9.06		5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	9.97		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.5		0.20	0.027
110-54-3	n-Hexane	86.17	9.89		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	9.82		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	9.23		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	9.62		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	20.1		0.40	0.053
67-66-3	Chloroform	119.38	10.5		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	9.79		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	11.4		0.20	0.030
110-82-7	Cyclohexane	84.16	10.1		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	12.3		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	9.70		0.20	0.023
71-43-2	Benzene	78.11	9.98		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	11.1		0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-93784/3

Matrix: Air Lab File ID: 15679_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:02

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.56		0.20	0.037
79-01-6	Trichloroethene	131.39	10.8		0.20	0.030
80-62-6	Methyl methacrylate	100.12	10.3		0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	9.67		0.20	0.035
123-91-1	1,4-Dioxane	88.11	9.59		5.0	0.16
75-27-4	Bromodichloromethane	163.83	11.1		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	10.4		0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	9.83		0.50	0.18
108-88-3	Toluene	92.14	10.3		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	11.2		0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	10.5		0.20	0.037
127-18-4	Tetrachloroethene	165.83	11.1		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.0		0.50	0.17
124-48-1	Dibromochloromethane	208.29	12.0		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.8		0.20	0.018
108-90-7	Chlorobenzene	112.56	10.6		0.20	0.018
100-41-4	Ethylbenzene	106.17	10.6		0.20	0.020
179601-23-1	m,p-Xylene	106.17	21.2		0.50	0.025
95-47-6	Xylene, o-	106.17	10.4		0.20	0.018
1330-20-7	Xylene (total)	106.17	31.6		0.70	0.041
100-42-5	Styrene	104.15	10.7		0.20	0.016
75-25-2	Bromoform	252.75	14.4	Q	0.20	0.025
98-82-8	Cumene	120.19	10.7		0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11.0		0.20	0.034
103-65-1	n-Propylbenzene	120.19	10.9		0.20	0.027
622-96-8	4-Ethyltoluene	120.20	11.3		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	11.1		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	11.1		0.20	0.031
98-06-6	tert-Butylbenzene	134.22	11.2		0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	11.1		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	11.1		0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	11.2		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	11.4		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	11.4		0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-93784/3

Matrix: Air Lab File ID: 15679_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/10/2015 10:02

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.: 93784 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	12.2		0.20	0.018
104-51-8	n-Butylbenzene	134.22	11.0		0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	11.3		0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	10.5		0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	11.0		0.20	0.036
91-20-3	Naphthalene	128.17	10.1		0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_003.d
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 10-Sep-2015 10:02:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015679-003
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHW.i

Method: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\TO15_MasterMethod_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Sep-2015 10:55:38 Calib Date: 13-Aug-2015 23:55:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20150813-15276.b\15276_012.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: desjardinsb Date: 10-Sep-2015 10:57:00

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	4.313	4.313	0.000	99	151737	10.0	9.15	
2 Dichlorodifluoromethane	85	4.410	4.415	-0.005	99	913049	10.0	10.7	
3 Chlorodifluoromethane	51	4.484	4.485	-0.001	96	378725	10.0	9.87	
4 1,2-Dichloro-1,1,2,2-tetra	85	4.795	4.795	0.000	94	943542	10.0	11.1	
5 Chloromethane	50	4.998	4.998	0.000	98	197198	10.0	8.92	
6 Butane	43	5.276	5.282	-0.006	96	276288	10.0	8.57	
7 Vinyl chloride	62	5.335	5.341	-0.006	98	230628	10.0	9.02	
8 Butadiene	54	5.447	5.448	-0.001	91	152367	10.0	8.60	
9 BFB									
10 Bromomethane	94	6.362	6.368	-0.006	98	249729	10.0	9.27	
11 Chloroethane	64	6.667	6.667	0.000	99	155240	10.0	9.53	
12 2-Methylbutane	43	6.758	6.758	0.000	89	267425	10.0	9.82	
13 Vinyl bromide	106	7.170	7.170	0.000	99	376955	10.0	9.96	
14 Trichlorofluoromethane	101	7.293	7.288	0.005	98	1001857	10.0	10.7	
16 Pentane	43	7.464	7.464	0.000	99	394952	10.0	9.86	
17 Ethanol	45	7.951	7.951	0.000	99	102216	15.0	13.2	
18 Ethyl ether	59	8.090	8.090	0.000	91	203581	10.0	10.5	
19 Acrolein	56	8.582	8.582	0.000	96	86004	10.0	14.1	
20 1,1,2-Trichloro-1,2,2-trif	101	8.593	8.593	0.000	93	732347	10.0	10.4	
21 1,1-Dichloroethene	96	8.668	8.668	0.000	92	344319	10.0	9.89	
22 Acetone	43	8.946	8.946	0.000	96	325584	10.0	9.49	
23 Carbon disulfide	76	9.165	9.166	-0.001	98	917421	10.0	11.2	
24 Isopropyl alcohol	45	9.224	9.224	0.000	100	241288	10.0	8.14	
25 3-Chloro-1-propene	41	9.593	9.594	-0.001	95	243783	10.0	9.59	
26 Acetonitrile	41	9.765	9.759	0.006	99	145293	10.0	9.39	
27 Methylene Chloride	49	9.930	9.931	-0.001	80	249751	10.0	9.36	
28 2-Methyl-2-propanol	59	10.118	10.123	-0.005	94	425591	10.0	9.06	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.2	
29 Methyl tert-butyl ether	73	10.380	10.375	0.005	95	900428	10.0	9.97	
31 trans-1,2-Dichloroethene	61	10.433	10.433	0.000	89	422503	10.0	10.5	
32 Acrylonitrile	53	10.621	10.621	0.000	95	178101	10.0	9.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Hexane	57	10.856	10.856	0.000	87	426835	10.0	9.89	
34 1,1-Dichloroethane	63	11.434	11.429	0.006	99	513925	10.0	9.82	
35 Vinyl acetate	43	11.476	11.477	-0.001	99	496896	10.0	9.58	
37 cis-1,2-Dichloroethene	96	12.621	12.621	0.000	86	384391	10.0	9.62	
38 2-Butanone (MEK)	72	12.659	12.654	0.005	99	159967	10.0	9.23	
39 Ethyl acetate	88	12.675	12.670	0.005	97	32986	10.0	10.8	
* 40 Chlorobromomethane	128	13.108	13.114	-0.006	72	264374	10.0	10.0	
41 Tetrahydrofuran	42	13.114	13.114	0.000	84	237646	10.0	9.79	
42 Chloroform	83	13.220	13.221	-0.001	94	733462	10.0	10.5	
43 Cyclohexane	84	13.515	13.515	0.000	90	479912	10.0	10.1	
44 1,1,1-Trichloroethane	97	13.536	13.536	0.000	94	836149	10.0	11.4	
45 Carbon tetrachloride	117	13.788	13.788	0.000	96	913156	10.0	12.3	
46 Isooctane	57	14.189	14.189	0.000	99	1320717	10.0	9.70	
47 Benzene	78	14.258	14.259	0.000	93	1043375	10.0	9.98	
48 1,2-Dichloroethane	62	14.419	14.424	-0.005	98	423107	10.0	11.1	
49 n-Heptane	43	14.537	14.537	0.000	81	408688	10.0	9.56	
A 51 GRO	1	14.919	(6.748-23.090)		0	132960094	10.0	0	
* 50 1,4-Difluorobenzene	114	15.023	15.018	0.005	92	1214696	10.0	10.0	
52 n-Butanol	56	15.296	15.296	0.000	83	131347	10.0	9.10	
53 Trichloroethene	95	15.483	15.484	-0.001	94	528557	10.0	10.8	
54 1,2-Dichloropropane	63	16.024	16.024	0.000	92	326769	10.0	9.67	
55 Methyl methacrylate	69	16.104	16.104	0.000	91	360699	10.0	10.3	
56 1,4-Dioxane	88	16.200	16.200	0.000	86	168848	10.0	9.59	
57 Dibromomethane	174	16.264	16.259	0.005	87	656808	10.0	10.4	
58 Dichlorobromomethane	83	16.505	16.505	0.000	97	803746	10.0	11.1	
A 59 TVOC as Toluene	92	16.837	(4.303-29.371)		0	245855069	10.0	2807.1	
60 cis-1,3-Dichloropropene	75	17.383	17.383	0.000	87	565184	10.0	10.4	
61 4-Methyl-2-pentanone (MIBK	43	17.629	17.629	0.000	91	530331	10.0	9.83	
64 n-Octane	43	17.939	17.939	0.000	82	556200	10.0	9.75	
A 62 C8 Range	1	17.939	(17.889-17.989)		0	5788945	NC	NC	
65 Toluene	92	17.960	17.960	0.000	93	839760	10.0	10.3	
A 63 Toluene Range	92	17.960	(17.920-18.000)		0	5788945	10.0	71.1	E
66 trans-1,3-Dichloropropene	75	18.490	18.495	-0.005	93	612368	10.0	11.2	
67 1,1,2-Trichloroethane	83	18.864	18.865	-0.001	93	395855	10.0	10.5	
68 Tetrachloroethene	166	18.993	18.993	0.000	95	979603	10.0	11.1	
69 2-Hexanone	43	19.266	19.266	0.000	98	521562	10.0	10.0	
71 Chlorodibromomethane	129	19.624	19.624	0.000	98	1023767	10.0	12.0	
72 Ethylene Dibromide	107	19.918	19.918	0.000	99	830926	10.0	10.8	
S 73 Xylenes, Total	106				0		30.0	31.6	
* 74 Chlorobenzene-d5	117	20.737	20.737	0.000	81	1129461	10.0	10.0	
75 Chlorobenzene	112	20.790	20.790	0.000	99	1276419	10.0	10.6	
76 Ethylbenzene	91	20.903	20.903	0.000	96	1871233	10.0	10.6	
77 n-Nonane	57	20.940	20.946	-0.006	80	651562	10.0	10.1	
78 m-Xylene & p-Xylene	106	21.111	21.111	0.000	100	1552989	20.0	21.2	
79 o-Xylene	106	21.801	21.807	-0.006	99	788521	10.0	10.4	
80 Styrene	104	21.839	21.839	0.000	95	1236318	10.0	10.7	
81 Bromoform	173	22.208	22.208	0.000	99	1153879	10.0	14.4	
$ 83 4-Bromofluorobenzene	95	22.203	22.208	-0.005	26	1668	NC	NC	
82 Isopropylbenzene	105	22.352	22.353	-0.001	94	2302940	10.0	10.7	
84 1,1,2,2-Tetrachloroethane	83	22.898	22.898	0.000	98	1106474	10.0	11.0	
85 N-Propylbenzene	91	22.978	22.979	-0.001	99	2709222	10.0	10.9	
86 1,2,3-Trichloropropane	75	23.005	23.005	0.000	93	809478	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 n-Decane	57	23.080	23.080	0.000	90	933210	10.0	10.6	
88 4-Ethyltoluene	105	23.144	23.144	0.000	97	2505940	10.0	11.3	
89 2-Chlorotoluene	91	23.176	23.176	0.000	94	1971287	10.0	11.1	
90 1,3,5-Trimethylbenzene	105	23.235	23.235	0.000	94	2090581	10.0	11.1	
91 Alpha Methyl Styrene	118	23.588	23.588	0.000	92	1165445	10.0	11.7	
92 tert-Butylbenzene	119	23.722	23.722	0.000	96	2131410	10.0	11.2	
93 1,2,4-Trimethylbenzene	105	23.818	23.818	0.000	96	2111247	10.0	11.1	
94 sec-Butylbenzene	105	24.059	24.065	-0.005	98	3011359	10.0	11.1	
95 4-Isopropyltoluene	119	24.268	24.268	0.000	97	2695779	10.0	11.2	
96 1,3-Dichlorobenzene	146	24.337	24.337	0.000	94	1680368	10.0	11.4	
97 1,4-Dichlorobenzene	146	24.487	24.487	0.000	97	1668225	10.0	11.4	
98 Benzyl chloride	91	24.706	24.706	0.000	100	1706103	10.0	12.2	
99 Undecane	57	24.894	24.894	0.000	89	1023085	10.0	11.3	
100 n-Butylbenzene	91	24.926	24.926	0.000	97	2174471	10.0	11.0	
101 1,2-Dichlorobenzene	146	25.113	25.113	0.000	99	1616707	10.0	11.3	
102 Dodecane	57	26.782	26.782	0.000	96	942558	10.0	10.4	
103 1,2,4-Trichlorobenzene	180	28.135	28.141	-0.006	93	1272418	10.0	10.5	
104 Hexachlorobutadiene	225	28.349	28.355	-0.006	97	1267535	10.0	11.0	
105 Naphthalene	128	28.772	28.772	0.000	99	2332281	10.0	10.1	
106 1,2,3-Trichlorobenzene	180	29.361	29.361	0.000	95	1134157	10.0	10.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00516	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

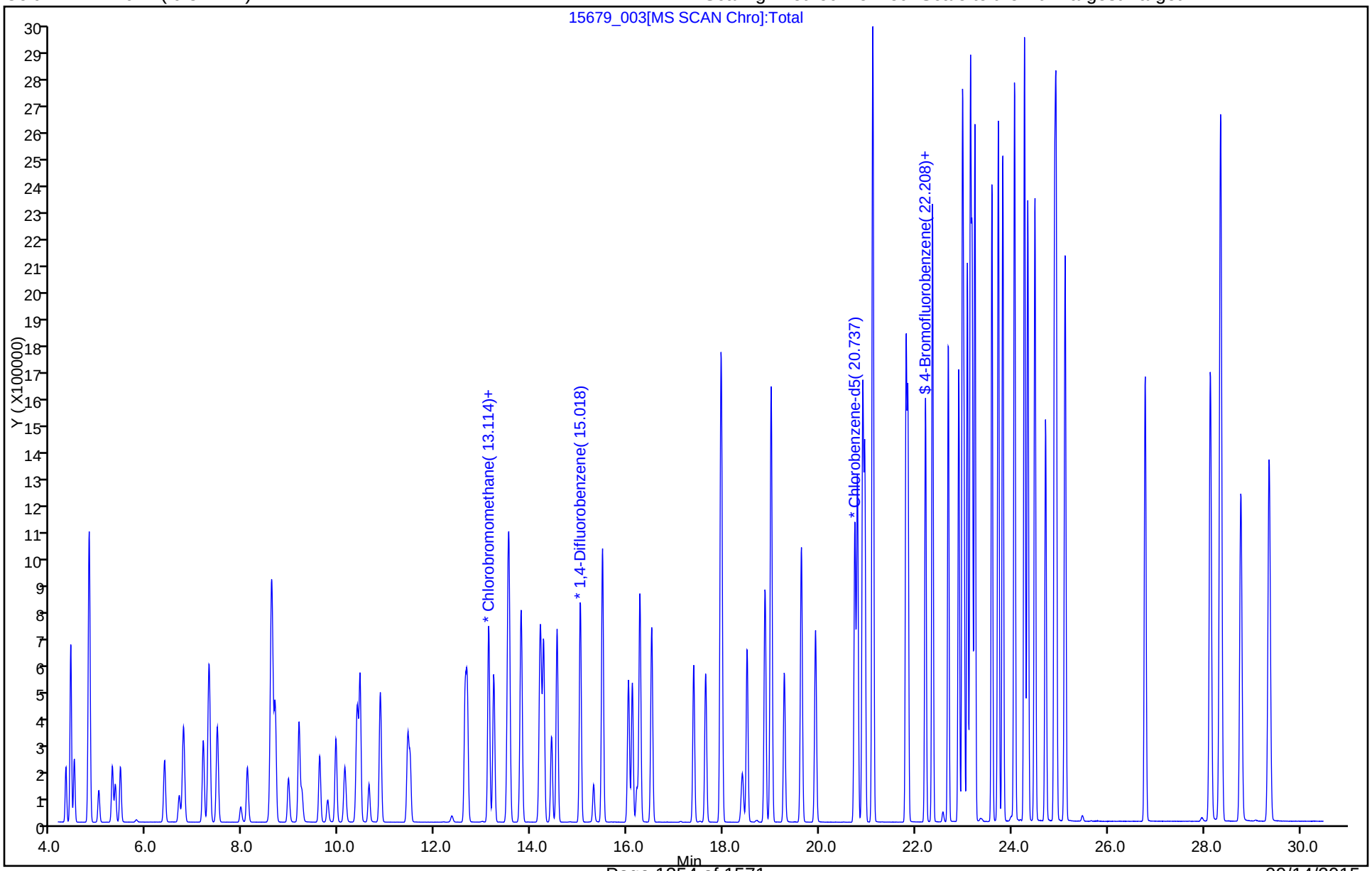
Report Date: 10-Sep-2015 10:57:01 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20150910-15679.b\15679_003.d

Injection Date:	10-Sep-2015 10:02:30	Instrument ID:	CHW.i	Operator ID:	wrd
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_MasterMethod_(v1)	Limit Group:	AI_TO15_ICAL		

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



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHW.i Start Date: 08/13/2015 14:44

Analysis Batch Number: 92714 End Date: 08/14/2015 04:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92714/1		08/13/2015 14:44	1	15276_001.d	RTX-624 0.32(mm)
VIBLK 200-92714/2		08/13/2015 15:39	1		RTX-624 0.32(mm)
VIBLK 200-92714/3		08/13/2015 16:27	1		RTX-624 0.32(mm)
IC 200-92714/4		08/13/2015 17:16	1	15276_004.d	RTX-624 0.32(mm)
ZZZZZ		08/13/2015 18:04	1		RTX-624 0.32(mm)
IC 200-92714/6		08/13/2015 18:52	1	15276_006.d	RTX-624 0.32(mm)
IC 200-92714/7		08/13/2015 19:42	1	15276_007.d	RTX-624 0.32(mm)
IC 200-92714/8		08/13/2015 20:32	1	15276_008.d	RTX-624 0.32(mm)
ICIS 200-92714/9		08/13/2015 21:22	1	15276_009.d	RTX-624 0.32(mm)
IC 200-92714/10		08/13/2015 22:14	1	15276_010.d	RTX-624 0.32(mm)
IC 200-92714/11		08/13/2015 23:05	1	15276_011.d	RTX-624 0.32(mm)
IC 200-92714/12		08/13/2015 23:55	1	15276_012.d	RTX-624 0.32(mm)
VIBLK 200-92714/13		08/14/2015 00:44	1		RTX-624 0.32(mm)
VIBLK 200-92714/14		08/14/2015 01:33	1		RTX-624 0.32(mm)
ICV 200-92714/15		08/14/2015 02:21	1	15276_015.d	RTX-624 0.32(mm)
ZZZZZ		08/14/2015 03:11	1		RTX-624 0.32(mm)
ZZZZZ		08/14/2015 04:00	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHW.i Start Date: 09/10/2015 08:24

Analysis Batch Number: 93784 End Date: 09/11/2015 07:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-93784/1		09/10/2015 08:24	1	156779_001.d	RTX-624 0.32(mm)
CCVIS 200-93784/2		09/10/2015 09:13	1	15679_002.d	RTX-624 0.32(mm)
LCS 200-93784/3		09/10/2015 10:02	1	15679_003.d	RTX-624 0.32(mm)
MB 200-93784/4		09/10/2015 10:51	1	15679_004.d	RTX-624 0.32(mm)
ZZZZZ		09/10/2015 11:43	1		RTX-624 0.32(mm)
ZZZZZ		09/10/2015 12:33	1		RTX-624 0.32(mm)
ZZZZZ		09/10/2015 13:23	1		RTX-624 0.32(mm)
200-29580-1	774776CA01MA	09/10/2015 14:13	1	15679_008.d	RTX-624 0.32(mm)
200-29580-2	785786CA01MA	09/10/2015 15:05	1	15679_009.d	RTX-624 0.32(mm)
200-29580-3	774VMP0101NA	09/10/2015 15:56	1	15679_010.d	RTX-624 0.32(mm)
200-29580-4	774VMP0201NA	09/10/2015 16:46	1	15679_011.d	RTX-624 0.32(mm)
200-29580-5	774VMP0301NA	09/10/2015 17:34	20	15679_012.d	RTX-624 0.32(mm)
200-29580-6	776VMP0201NC	09/10/2015 18:25	1	15679_013.d	RTX-624 0.32(mm)
200-29580-7	776VMP0201NA	09/10/2015 19:15	1	15679_014.d	RTX-624 0.32(mm)
200-29580-8	776VMP0201NA	09/10/2015 20:05	1	15679_015.d	RTX-624 0.32(mm)
200-29580-9	776VMP0301NA	09/10/2015 20:54	1	15679_016.d	RTX-624 0.32(mm)
200-29580-13	786VMP0202PA	09/10/2015 21:45	1	15679_017.d	RTX-624 0.32(mm)
200-29580-14	786VMP0302PA	09/10/2015 22:36	1	15679_018.d	RTX-624 0.32(mm)
200-29580-15	786VMP0102PA	09/10/2015 23:26	1	15679_019.d	RTX-624 0.32(mm)
200-29580-19	785VMP0202PA	09/11/2015 00:15	1	15679_020.d	RTX-624 0.32(mm)
200-29580-20	785VMP0501PA	09/11/2015 01:04	5	15679_021.d	RTX-624 0.32(mm)
ZZZZZ		09/11/2015 01:52	2.99		RTX-624 0.32(mm)
200-29580-22	786VMP0202PC	09/11/2015 02:42	1	15679_023.d	RTX-624 0.32(mm)
200-29580-21	785VMP0401PA	09/11/2015 07:59	5	15679_024.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHX.i Start Date: 08/17/2015 15:35

Analysis Batch Number: 92823 End Date: 08/18/2015 04:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92823/1		08/17/2015 15:35	1	15313_01.D	RTX-624 0.32(mm)
VIBLK 200-92823/2		08/17/2015 16:25	1		RTX-624 0.32(mm)
VIBLK 200-92823/3		08/17/2015 17:14	1		RTX-624 0.32(mm)
IC 200-92823/4		08/17/2015 18:04	1	15313_04.D	RTX-624 0.32(mm)
IC 200-92823/5		08/17/2015 18:54	1	15313_05.D	RTX-624 0.32(mm)
IC 200-92823/6		08/17/2015 19:44	1	15313_06.D	RTX-624 0.32(mm)
IC 200-92823/7		08/17/2015 20:33	1	15313_07.D	RTX-624 0.32(mm)
ICIS 200-92823/8		08/17/2015 21:23	1	15313_08.D	RTX-624 0.32(mm)
IC 200-92823/9		08/17/2015 22:13	1	15313_09.D	RTX-624 0.32(mm)
IC 200-92823/10		08/17/2015 23:02	1	15313_10.D	RTX-624 0.32(mm)
IC 200-92823/11		08/17/2015 23:52	1	15313_11.D	RTX-624 0.32(mm)
VIBLK 200-92823/12		08/18/2015 00:42	1		RTX-624 0.32(mm)
VIBLK 200-92823/13		08/18/2015 01:31	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 02:21	1		RTX-624 0.32(mm)
ICV 200-92823/15		08/18/2015 03:10	1	15313_15.D	RTX-624 0.32(mm)
ZZZZZ		08/18/2015 04:00	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29580-1

SDG No.:

Instrument ID: CHX.i Start Date: 09/04/2015 11:39

Analysis Batch Number: 93647 End Date: 09/05/2015 05:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-93647/1		09/04/2015 11:39	1	15629_01.D	RTX-624 0.32(mm)
CCVIS 200-93647/2		09/04/2015 12:32	1	15629_02.D	RTX-624 0.32(mm)
LCS 200-93647/3		09/04/2015 13:22	1	15629_03.D	RTX-624 0.32(mm)
MB 200-93647/4		09/04/2015 14:11	1	15629_04.D	RTX-624 0.32(mm)
ZZZZZ		09/04/2015 15:00	35.4		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 15:49	1		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 16:39	1		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 17:28	1		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 18:17	1		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 19:07	1		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 19:56	1		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 20:45	1.5		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 21:34	1		RTX-624 0.32(mm)
ZZZZZ		09/04/2015 22:24	1		RTX-624 0.32(mm)
200-29580-10	774IA1NA	09/04/2015 23:13	1	15629_15.D	RTX-624 0.32(mm)
200-29580-11	774776OA1NA	09/05/2015 00:02	1	15629_16.D	RTX-624 0.32(mm)
200-29580-12	776IA1NA	09/05/2015 00:51	1	15629_17.D	RTX-624 0.32(mm)
200-29580-16	785IA15	09/05/2015 01:41	1	15629_18.D	RTX-624 0.32(mm)
200-29580-17	786IA14	09/05/2015 02:30	1	15629_19.D	RTX-624 0.32(mm)
200-29580-18	785786OA11	09/05/2015 03:19	1	15629_20.D	RTX-624 0.32(mm)
200-29580-23	082815TB	09/05/2015 04:08	1	15629_21.D	RTX-624 0.32(mm)
ZZZZZ		09/05/2015 04:57	1		RTX-624 0.32(mm)
ZZZZZ		09/05/2015 05:54	0.2		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (℃)	Pressure Gauge ID	Analyst
200-29580	09/03/15	16:11	29.5	22	G14	SML

Sampling Information and Return Equipment Check	Yes	N o	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers	NA	NA	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		N	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-29580-A-1	5032	0.0		6064	66/36	Y	4387 15192	
200-29580-A-2	6019	0.0		6045	66/22	Y	4387 15192	
200-29580-A-3	3011	-2.4		5829	66/71	Y	4432 15321	
200-29580-A-4	3642	-3.4		4715	66/71	Y	3609 15321	
200-29580-A-5	5457	-2.8		4981	66/72	Y	3609 15321	
200-29580-A-6	5027	-3.6		4638	66/72	Y	3609 15321	
200-29580-A-7	2692	-1.1		4977	66/72	Y	3609 15321	
200-29580-A-8	5634	-1.4		4693	66/72	Y	2534 15141	
200-29580-A-9	4324	-2.7		5316	66/71	Y	3609 15321	
200-29580-A-10	3669	-5.9		5206	66/64	Y	4432 15321	
200-29580-A-11	4088	-3.4		3188	66/64	Y	4432 15321	
200-29580-A-12	5055	-5.9		5176	66/60	Y	5685 15221	
200-29580-A-13	4072	-3.6		5011	66/73	Y	4432 15321	
200-29580-A-14	3282	0.0		4714	66/71	Y	4432 15321	200ML/MIN
200-29580-A-15	4083	-3.6		4636	66/73	Y	4432 15321	
200-29580-A-16	2725	-1.6		4246	66/60	Y	4387 15192	
200-29580-A-17	5717	-1.3		2759	66/64	Y	4432 15321	
200-29580-A-18	4309	-5.4		5181	66/64	Y	4432 15321	
200-29580-A-19	4312	-1.9		4978	66/71	Y	3609 15321	
200-29580-A-20	5893	-1.3		4630	66/71	Y	3609 15321	
200-29580-A-21	2521	-2.0		4597	66/22	Y	3609 15321	
200-29580-A-22	5727	-2.1		4974	66/72	Y	3609 15321	
200-29580-A-23	2876	-29.3		NA	NA	NA	5685 15221	TRIP BLANK

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Summa Canister Dilution Worksheet

Client: FPM Remediations Inc

Job No.: 200-29580-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-29580-5	6	-3.8	0.87	5.24	11.0	1.75	10.49		2.00	2.00	09/09/15 8:52	Nelson, Andrea J

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

200-29085-A-6
5685
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/30/2015 12:00 AM 200-823145

Loc: 200 1429
29085
#6
A

Pre-Shipment Clean Canister Certification Rep

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
Oven 3/4	20	7/30/15	MS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]	Initial Reading	Final Reading
						Gauge ID: 69	Gauge ID: 69 / 69
1	4357		-29.5	-29.8	+0.3	Date: 7/31/15	Date: 8/17/15 / 8/19/15
2	4351		-29.6		+0.2	Time: 1310	Time: 1445 / 1800
~~3~~	5697		-29.9	-29.7	-0.3	Tech: MS	Tech: MS / MS
4	5692		-29.4		+0.4	BP: 29.4 ("Hg)	BP: 29.7 / 29.6 ("Hg)
~~5~~	3220		-29.8	-29.7	-0.1	Temp 26 (℃)	Temp: 22 / 23 (℃)
6	5685	29.5	-29.6	-29.5	+0.1	[3]Acceptance Criteria:	
7	5055		-29.5		+0.3	(1) The difference must be less than or equal to + 0.5	
8	5983		-29.5		+0.3	(2) Pressure readings must be at least 24 hours apart.	
~~9~~	4783		-29.6	-29.7	+0.1	If time frame was not met, the PM must authorize shipment of canister:	
10	4275		-29.5		+0.3	*PM Authorization:*	
11	2876		-29.6		+0.2		
12	4380		-29.9	✓	-0.1	Signature	Date

[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.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

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	Limited	Secondary Review: Review Date	Reviewer
5685	8/11/15	15221	WND		✓				8/12/15	AN

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

200-29156-A-10
2534
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/3/2015 12:00 AM 200-825015

Loc: 200
29156
#10
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
Oven 12	100	8/3/15	MS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3010		-29.7	-29.8	+0.1
2	2902		-29.9		-0.1
3	4947		-29.6		+0.2
4	3759		-29.7		+0.1
5	3014		-30.0		-0.2
6	4278		-29.7		+0.1
7	5634		-30.1		-0.3
8	5617		-30.0		-0.2
9	6017		-30.0		-0.2
10	2534	-29.7	-29.8		0
11	3283		-30.0		-0.2
12	3602	↓	-29.8	✓	0

Initial Reading	Final Reading
Gauge ID: 69	Gauge ID: 69
Date: 8/6/15	Date: 8/13/15
Time: 1330	Time: 1117
Tech: MS	Tech: MS
BP: 29.6 ("Hg)	BP: 29.7 ("Hg)
Temp 22 (℃)	Temp: 22 (℃)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(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:

Signature Date

[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.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

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	Limited	Secondary Review: Review Date	Reviewer
2534	8/02/15	15141	PAD		✓				8/7/15	AM

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

BR-FAI023:10.19.09:7
TestAmerica

200-29205-A-3
4387
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/8/2015 12:00 AM 200-825876

Loc: 200 1431
29205
#3
A

Pre-Shipment Clean Canister Certification Repo

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TO15	80	8/8/15	MS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]	Initial Reading	Final Reading
						Gauge ID: 69	Gauge ID: 69 / 69
1	5067	↑	-29.5	-29.7	-0.2	Date: 8/10/15	Date: 8/19/15 / 8/20/15
2	3762		-29.9		-0.2	Time: 930	Time: 1430 / 0945
3	4387	-29.8	-29.9		-0.2	Tech: MS	Tech: MS / [illegible]
4	5430		-29.9		-0.2	BP: 29.7 ("Hg)	BP: 29.6 / 29.6 ("Hg)
5	2725		-29.5		+0.2	Temp 22 (℃)	Temp: 23 / 22 (℃)
6	6019		-29.9		-0.2	[3]Acceptance Criteria:	
7	5032		-30.0		-0.3	(1) The difference must be less than or equal to + 0.5	
8	5132		-29.8		-0.1	(2) Pressure readings must be at least 24 hours apart.	
9	3668		-29.7		0	If time frame was not met, the PM must authorize shipment of canister:	
10	5026		-29.8		-0.1	*PM Authorization:*	
11	5118		-29.7		0		
12	5650	↓	Leak	↓	→	Signature	Date

[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.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

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	Limited	Secondary Review: Review Date	Reviewer
4387	8/11/15	15192	PAD		✓				8/12/15	AN

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Routine

200-29276-A-7
3609
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/13/2015 12:00 AM 200-827544

Loc: 200 1432
29276
#7
A

Pre-Shipment Clean Canister Certification Rep

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test								
System ID	# Cycles	Cleaning Date	Technician	Canister Size				
10	20	8/13/15	MS	(6L)	1L	3L		

		Leak Test							
		Initial[1]	Final	Adjusted Initial[2]		Initial Reading		Final Reading	
Port	Can ID	("Hg)	("Hg)	("Hg)	Difference[3]	Gauge ID: 69		Gauge ID: 69	69
1	3612		-29.9	-29.7	-0.2	Date: 8/14/15		Date: 8/26/15	8/27/15
2	5893		-29.7		0	Time: 1000		Time: 1245	1000
3	4324		-29.8		-0.1	Tech: MS		Tech: MS	MS
4	2692		-29.8		-0.1	BP: 29.7	("Hg)	BP: 29.6	29.7 ("Hg)
5	5727		-30.0		-0.3	Temp 22	(℃)	Temp: 22	22 (℃)
6	5675		-29.8	-29.8	0	[3]Acceptance Criteria:			
7	3609	-29.8	-29.8	-29.8	0	(1) The difference must be less than or equal to + 0.5			
8	2521		-29.9		-0.2	(2) Pressure readings must be at least 24 hours apart.			
9	5457		-29.9		-0.2	If time frame was not met, the PM must authorize shipment of canister:			
10	5027		-29.9		-0.2	*PM Authorization:*			
11	4312		-29.8		-0.1				
12	4478		-29.6	-29.8	+0.2	Signature		Date	

[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.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory										
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
3609	8/19/15	15321	PAD		✓				8/20/15	ANI

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

200-29304-A-12
4432
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/15/2015 12:00 AM 200-828349

Loc: 200
1432
29304
#12
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID	# Cycles	Cleaning Date	Technician	Canister Size			
Bottom	50	8/15/15	MS	6L	1L	3L	

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]	Initial Reading	Final Reading
						Gauge ID: 69	Gauge ID: 69 / 69
1	3011		-30.0	-29.7	-0.3	Date: 8/17/15	Date: 8/26/15 / 8/27/15
2	2689		-29.8	-29.8	0	Time: 900	Time: 1310 / 1015
3	5717		-29.9		-0.2	Tech: MS	Tech: MS / MS
4	4088		-29.8		-0.1	BP: 29.7 ("Hg)	BP: 29.6 / 29.7 ("Hg)
5	4309		-29.7		0	Temp 22 (°C)	Temp: 22 / 21 (°C)
6	~~3282~~ 3282		-30.0		-0.3	[3]Acceptance Criteria:	
7	4083		-29.3		+0.4	(1) The difference must be less than or equal to + 0.5	
8	3269		-29.9		-0.2	(2) Pressure readings must be at least 24 hours apart.	
9	7779		-29.9		-0.2	If time frame was not met, the PM must authorize shipment of canister:	
10	4468		-29.7	-29.8	+0.1	*PM Authorization:*	
11	4072		-30.0		-0.3		
12	4932	29.8	-29.9	-29.8	-0.1	Signature	Date

MS 8/15/15

MS 8/14/15

[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.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory										
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
4432	8/19/15	15321	PAD		✓				8/20/15	AW

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

BR-FAI023:10.19.09:7
TestAmerica

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

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15221_03.D

Lab ID: LCS 200-92567/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.65	97	70-130	
Dichlorodifluoromethane	10.0	10.3	103	70-130	
Freon 22	10.0	10.3	103	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.6	116	70-130	
Chloromethane	10.0	10.2	102	70-130	
n-Butane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.5	105	70-130	
1,3-Butadiene	10.0	9.86	99	70-130	
Bromomethane	10.0	10.6	106	70-130	
Chloroethane	10.0	10.1	101	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.4	104	70-130	
Trichlorofluoromethane	10.0	9.84	98	70-130	
Ethanol	15.0	12.9	86	70-130	
Freon TF	10.0	10.1	101	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	10.0	9.74	97	70-130	
Isopropyl alcohol	10.0	10.0	100	70-130	
Carbon disulfide	10.0	12.2	122	70-130	
3-Chloropropene	10.0	9.67	97	70-130	
Methylene Chloride	10.0	9.77	98	70-130	
tert-Butyl alcohol	10.0	10.8	108	70-130	
Methyl tert-butyl ether	10.0	9.98	100	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	10.4	104	70-130	
1,1-Dichloroethane	10.0	9.84	98	70-130	
Vinyl acetate	10.0	9.07	91	70-130	
Ethyl acetate	10.0	11.3	113	70-130	
Methyl Ethyl Ketone	10.0	9.96	100	70-130	
cis-1,2-Dichloroethene	10.0	10.3	103	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	11.9	119	70-130	
1,1,1-Trichloroethane	10.0	11.9	119	70-130	
Cyclohexane	10.0	12.2	122	70-130	
Carbon tetrachloride	10.0	12.3	123	70-130	
2,2,4-Trimethylpentane	10.0	11.6	116	70-130	
Benzene	10.0	11.6	116	70-130	
1,2-Dichloroethane	10.0	11.6	116	70-130	
n-Heptane	10.0	11.2	112	70-130	
Trichloroethene	10.0	12.1	121	70-130	
Methyl methacrylate	10.0	11.8	118	70-130	
1,2-Dichloropropane	10.0	11.0	110	70-130	
1,4-Dioxane	10.0	12.6	126	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.: 200-29085-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15221_03.D

Lab ID: LCS 200-92567/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.2	112	70-130	
cis-1,3-Dichloropropene	10.0	10.4	104	70-130	
methyl isobutyl ketone	10.0	11.5	115	70-130	
Toluene	10.0	10.7	107	70-130	
trans-1,3-Dichloropropene	10.0	10.5	105	70-130	
1,1,2-Trichloroethane	10.0	11.7	118	70-130	
Tetrachloroethene	10.0	11.2	112	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	12.3	123	70-130	
Dibromochloromethane	10.0	11.3	113	70-130	
1,2-Dibromoethane	10.0	11.4	114	70-130	
Chlorobenzene	10.0	10.9	109	70-130	
Ethylbenzene	10.0	10.9	109	70-130	
m,p-Xylene	20.0	21.9	110	70-130	
Xylene, o-	10.0	10.7	107	70-130	
Styrene	10.0	11.0	110	70-130	
Bromoform	10.0	12.0	120	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.8	118	70-130	
n-Propylbenzene	10.0	11.3	113	70-130	
4-Ethyltoluene	10.0	11.6	116	70-130	
1,3,5-Trimethylbenzene	10.0	10.7	107	70-130	
2-Chlorotoluene	10.0	11.5	115	70-130	
tert-Butylbenzene	10.0	10.3	103	70-130	
1,2,4-Trimethylbenzene	10.0	10.9	109	70-130	
sec-Butylbenzene	10.0	10.6	107	70-130	
4-Isopropyltoluene	10.0	11.3	113	70-130	
1,3-Dichlorobenzene	10.0	11.9	119	70-130	
1,4-Dichlorobenzene	10.0	10.9	110	70-130	
Benzyl chloride	10.0	11.3	113	70-130	
n-Butylbenzene	10.0	11.5	115	70-130	
1,2-Dichlorobenzene	10.0	10.9	109	70-130	
1,2,4-Trichlorobenzene	10.0	11.5	115	70-130	
Hexachlorobutadiene	10.0	11.2	112	70-130	
Naphthalene	10.0	10.7	107	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.: 200-29156-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15141_03.D

Lab ID: LCS 200-92381/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.38	94	70-130	
Dichlorodifluoromethane	10.0	9.65	97	70-130	
Freon 22	10.0	9.55	95	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70-130	
Chloromethane	10.0	9.16	92	70-130	
n-Butane	10.0	9.31	93	70-130	
Vinyl chloride	10.0	9.42	94	70-130	
1,3-Butadiene	10.0	9.42	94	70-130	
Bromomethane	10.0	10.3	103	70-130	
Chloroethane	10.0	10.2	102	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.4	104	70-130	
Trichlorofluoromethane	10.0	10.2	102	70-130	
Ethanol	15.0	15.0	100	70-130	
Freon TF	10.0	10.5	105	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	10.0	9.71	97	70-130	
Isopropyl alcohol	10.0	9.07	91	70-130	
Carbon disulfide	10.0	12.0	120	70-130	
3-Chloropropene	10.0	10.6	106	70-130	
Methylene Chloride	10.0	9.74	97	70-130	
tert-Butyl alcohol	10.0	9.80	98	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	11.0	110	70-130	
n-Hexane	10.0	11.1	111	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
Vinyl acetate	10.0	10.4	104	70-130	
Ethyl acetate	10.0	11.7	117	70-130	
Methyl Ethyl Ketone	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	10.4	104	70-130	
Chloroform	10.0	10.5	105	70-130	
Tetrahydrofuran	10.0	10.3	103	70-130	
1,1,1-Trichloroethane	10.0	10.4	104	70-130	
Cyclohexane	10.0	10.6	106	70-130	
Carbon tetrachloride	10.0	11.6	116	70-130	
2,2,4-Trimethylpentane	10.0	10.4	104	70-130	
Benzene	10.0	10.3	103	70-130	
1,2-Dichloroethane	10.0	10.3	103	70-130	
n-Heptane	10.0	9.95	100	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.1	102	70-130	
1,4-Dioxane	10.0	9.90	99	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.: 200-29156-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15141_03.D

Lab ID: LCS 200-92381/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.7	107	70-130	
cis-1,3-Dichloropropene	10.0	10.6	106	70-130	
methyl isobutyl ketone	10.0	10.0	101	70-130	
Toluene	10.0	10.4	104	70-130	
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	10.7	107	70-130	
Tetrachloroethene	10.0	10.3	103	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.2	102	70-130	
Dibromochloromethane	10.0	11.3	113	70-130	
1,2-Dibromoethane	10.0	10.7	107	70-130	
Chlorobenzene	10.0	10.4	104	70-130	
Ethylbenzene	10.0	10.5	105	70-130	
m,p-Xylene	20.0	21.1	106	70-130	
Xylene, o-	10.0	10.3	103	70-130	
Styrene	10.0	10.6	106	70-130	
Bromoform	10.0	13.2	132	70-130	*
Cumene	10.0	10.3	103	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.8	108	70-130	
1,3,5-Trimethylbenzene	10.0	10.4	104	70-130	
2-Chlorotoluene	10.0	10.3	103	70-130	
tert-Butylbenzene	10.0	10.5	105	70-130	
1,2,4-Trimethylbenzene	10.0	10.4	104	70-130	
sec-Butylbenzene	10.0	10.4	104	70-130	
4-Isopropyltoluene	10.0	10.6	106	70-130	
1,3-Dichlorobenzene	10.0	10.6	106	70-130	
1,4-Dichlorobenzene	10.0	10.6	106	70-130	
Benzyl chloride	10.0	11.0	110	70-130	
n-Butylbenzene	10.0	10.6	106	70-130	
1,2-Dichlorobenzene	10.0	10.6	106	70-130	
1,2,4-Trichlorobenzene	10.0	9.23	92	70-130	
Hexachlorobutadiene	10.0	9.34	93	70-130	
Naphthalene	10.0	9.31	93	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.: 200-29205-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15192_03.D

Lab ID: LCS 200-92494/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.35	94	70-130	
Dichlorodifluoromethane	10.0	9.38	94	70-130	
Freon 22	10.0	9.36	94	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.4	104	70-130	
Chloromethane	10.0	8.83	88	70-130	
n-Butane	10.0	9.22	92	70-130	
Vinyl chloride	10.0	9.06	91	70-130	
1,3-Butadiene	10.0	9.17	92	70-130	
Bromomethane	10.0	10.2	102	70-130	
Chloroethane	10.0	10.0	100	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70-130	
Trichlorofluoromethane	10.0	10.2	102	70-130	
Ethanol	15.0	15.3	102	70-130	
Freon TF	10.0	10.6	106	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	10.0	9.91	99	70-130	
Isopropyl alcohol	10.0	9.20	92	70-130	
Carbon disulfide	10.0	12.1	121	70-130	
3-Chloropropene	10.0	10.7	107	70-130	
Methylene Chloride	10.0	9.82	98	70-130	
tert-Butyl alcohol	10.0	10.0	100	70-130	
Methyl tert-butyl ether	10.0	10.7	107	70-130	
trans-1,2-Dichloroethene	10.0	11.1	111	70-130	
n-Hexane	10.0	11.2	112	70-130	
1,1-Dichloroethane	10.0	10.4	104	70-130	
Vinyl acetate	10.0	10.5	105	70-130	
Ethyl acetate	10.0	11.8	119	70-130	
Methyl Ethyl Ketone	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	10.4	104	70-130	
Chloroform	10.0	10.6	106	70-130	
Tetrahydrofuran	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	10.4	104	70-130	
Cyclohexane	10.0	10.5	105	70-130	
Carbon tetrachloride	10.0	11.5	115	70-130	
2,2,4-Trimethylpentane	10.0	10.3	103	70-130	
Benzene	10.0	10.2	102	70-130	
1,2-Dichloroethane	10.0	10.3	103	70-130	
n-Heptane	10.0	9.86	99	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.1	101	70-130	
1,4-Dioxane	10.0	9.88	99	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.: 200-29205-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15192_03.D

Lab ID: LCS 200-92494/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.6	106	70-130	
cis-1,3-Dichloropropene	10.0	10.6	106	70-130	
methyl isobutyl ketone	10.0	9.96	100	70-130	
Toluene	10.0	10.2	102	70-130	
trans-1,3-Dichloropropene	10.0	10.8	108	70-130	
1,1,2-Trichloroethane	10.0	10.5	105	70-130	
Tetrachloroethene	10.0	10.0	100	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.0	100	70-130	
Dibromochloromethane	10.0	11.1	111	70-130	
1,2-Dibromoethane	10.0	10.6	106	70-130	
Chlorobenzene	10.0	10.2	102	70-130	
Ethylbenzene	10.0	10.3	103	70-130	
m,p-Xylene	20.0	20.7	103	70-130	
Xylene, o-	10.0	10.1	101	70-130	
Styrene	10.0	10.4	104	70-130	
Bromoform	10.0	12.9	129	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70-130	
n-Propylbenzene	10.0	10.2	102	70-130	
4-Ethyltoluene	10.0	10.6	106	70-130	
1,3,5-Trimethylbenzene	10.0	10.3	103	70-130	
2-Chlorotoluene	10.0	10.1	101	70-130	
tert-Butylbenzene	10.0	10.3	103	70-130	
1,2,4-Trimethylbenzene	10.0	10.3	103	70-130	
sec-Butylbenzene	10.0	10.2	102	70-130	
4-Isopropyltoluene	10.0	10.4	104	70-130	
1,3-Dichlorobenzene	10.0	10.3	103	70-130	
1,4-Dichlorobenzene	10.0	10.3	103	70-130	
Benzyl chloride	10.0	10.8	108	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	10.3	103	70-130	
1,2,4-Trichlorobenzene	10.0	9.06	91	70-130	
Hexachlorobutadiene	10.0	9.19	92	70-130	
Naphthalene	10.0	9.15	91	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.: 200-29276-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15321_03.D

Lab ID: LCS 200-92838/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.2	102	70-130	
Dichlorodifluoromethane	10.0	10.6	106	70-130	
Freon 22	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.0	120	70-130	
Chloromethane	10.0	10.1	101	70-130	
n-Butane	10.0	9.92	99	70-130	
Vinyl chloride	10.0	10.6	106	70-130	
1,3-Butadiene	10.0	10.1	101	70-130	
Bromomethane	10.0	10.7	107	70-130	
Chloroethane	10.0	10.5	105	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.8	108	70-130	
Trichlorofluoromethane	10.0	10.6	106	70-130	
Ethanol	15.0	14.1	94	70-130	
Freon TF	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	10.5	105	70-130	
Isopropyl alcohol	10.0	9.16	92	70-130	
Carbon disulfide	10.0	12.4	124	70-130	
3-Chloropropene	10.0	10.8	108	70-130	
Methylene Chloride	10.0	9.93	99	70-130	
tert-Butyl alcohol	10.0	10.0	100	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	11.2	112	70-130	
n-Hexane	10.0	11.0	110	70-130	
1,1-Dichloroethane	10.0	10.6	106	70-130	
Vinyl acetate	10.0	10.7	107	70-130	
Ethyl acetate	10.0	11.8	119	70-130	
Methyl Ethyl Ketone	10.0	9.93	99	70-130	
cis-1,2-Dichloroethene	10.0	10.7	107	70-130	
Chloroform	10.0	10.7	107	70-130	
Tetrahydrofuran	10.0	10.5	105	70-130	
1,1,1-Trichloroethane	10.0	10.7	107	70-130	
Cyclohexane	10.0	10.8	108	70-130	
Carbon tetrachloride	10.0	10.4	104	70-130	
2,2,4-Trimethylpentane	10.0	10.4	104	70-130	
Benzene	10.0	10.6	106	70-130	
1,2-Dichloroethane	10.0	10.5	105	70-130	
n-Heptane	10.0	10.1	101	70-130	
Trichloroethene	10.0	10.2	102	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.5	106	70-130	
1,4-Dioxane	10.0	9.88	99	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.: 200-29276-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15321_03.D

Lab ID: LCS 200-92838/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.9	109	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	10.4	104	70-130	
Toluene	10.0	10.6	106	70-130	
trans-1,3-Dichloropropene	10.0	10.6	106	70-130	
1,1,2-Trichloroethane	10.0	10.8	108	70-130	
Tetrachloroethene	10.0	10.7	107	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.5	105	70-130	
Dibromochloromethane	10.0	11.6	116	70-130	
1,2-Dibromoethane	10.0	10.9	110	70-130	
Chlorobenzene	10.0	10.8	108	70-130	
Ethylbenzene	10.0	10.7	107	70-130	
m,p-Xylene	20.0	21.3	106	70-130	
Xylene, o-	10.0	10.5	105	70-130	
Styrene	10.0	10.7	107	70-130	
Bromoform	10.0	13.9	139	70-130	*
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70-130	
n-Propylbenzene	10.0	10.5	105	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.6	106	70-130	
2-Chlorotoluene	10.0	10.4	104	70-130	
tert-Butylbenzene	10.0	10.5	105	70-130	
1,2,4-Trimethylbenzene	10.0	10.5	105	70-130	
sec-Butylbenzene	10.0	10.5	105	70-130	
4-Isopropyltoluene	10.0	10.6	106	70-130	
1,3-Dichlorobenzene	10.0	10.7	107	70-130	
1,4-Dichlorobenzene	10.0	10.7	107	70-130	
Benzyl chloride	10.0	11.4	114	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	10.6	106	70-130	
1,2,4-Trichlorobenzene	10.0	10.1	101	70-130	
Hexachlorobutadiene	10.0	10.5	105	70-130	
Naphthalene	10.0	10.7	107	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.: 200-29304-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15321_03.D

Lab ID: LCS 200-92838/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.2	102	70-130	
Dichlorodifluoromethane	10.0	10.6	106	70-130	
Freon 22	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.0	120	70-130	
Chloromethane	10.0	10.1	101	70-130	
n-Butane	10.0	9.92	99	70-130	
Vinyl chloride	10.0	10.6	106	70-130	
1,3-Butadiene	10.0	10.1	101	70-130	
Bromomethane	10.0	10.7	107	70-130	
Chloroethane	10.0	10.5	105	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.8	108	70-130	
Trichlorofluoromethane	10.0	10.6	106	70-130	
Ethanol	15.0	14.1	94	70-130	
Freon TF	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	10.5	105	70-130	
Isopropyl alcohol	10.0	9.16	92	70-130	
Carbon disulfide	10.0	12.4	124	70-130	
3-Chloropropene	10.0	10.8	108	70-130	
Methylene Chloride	10.0	9.93	99	70-130	
tert-Butyl alcohol	10.0	10.0	100	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	11.2	112	70-130	
n-Hexane	10.0	11.0	110	70-130	
1,1-Dichloroethane	10.0	10.6	106	70-130	
Vinyl acetate	10.0	10.7	107	70-130	
Ethyl acetate	10.0	11.8	119	70-130	
Methyl Ethyl Ketone	10.0	9.93	99	70-130	
cis-1,2-Dichloroethene	10.0	10.7	107	70-130	
Chloroform	10.0	10.7	107	70-130	
Tetrahydrofuran	10.0	10.5	105	70-130	
1,1,1-Trichloroethane	10.0	10.7	107	70-130	
Cyclohexane	10.0	10.8	108	70-130	
Carbon tetrachloride	10.0	10.4	104	70-130	
2,2,4-Trimethylpentane	10.0	10.4	104	70-130	
Benzene	10.0	10.6	106	70-130	
1,2-Dichloroethane	10.0	10.5	105	70-130	
n-Heptane	10.0	10.1	101	70-130	
Trichloroethene	10.0	10.2	102	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.5	106	70-130	
1,4-Dioxane	10.0	9.88	99	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.: 200-29304-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 15321_03.D

Lab ID: LCS 200-92838/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.9	109	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
methyl isobutyl ketone	10.0	10.4	104	70-130	
Toluene	10.0	10.6	106	70-130	
trans-1,3-Dichloropropene	10.0	10.6	106	70-130	
1,1,2-Trichloroethane	10.0	10.8	108	70-130	
Tetrachloroethene	10.0	10.7	107	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.5	105	70-130	
Dibromochloromethane	10.0	11.6	116	70-130	
1,2-Dibromoethane	10.0	10.9	110	70-130	
Chlorobenzene	10.0	10.8	108	70-130	
Ethylbenzene	10.0	10.7	107	70-130	
m,p-Xylene	20.0	21.3	106	70-130	
Xylene, o-	10.0	10.5	105	70-130	
Styrene	10.0	10.7	107	70-130	
Bromoform	10.0	13.9	139	70-130	*
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70-130	
n-Propylbenzene	10.0	10.5	105	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.6	106	70-130	
2-Chlorotoluene	10.0	10.4	104	70-130	
tert-Butylbenzene	10.0	10.5	105	70-130	
1,2,4-Trimethylbenzene	10.0	10.5	105	70-130	
sec-Butylbenzene	10.0	10.5	105	70-130	
4-Isopropyltoluene	10.0	10.6	106	70-130	
1,3-Dichlorobenzene	10.0	10.7	107	70-130	
1,4-Dichlorobenzene	10.0	10.7	107	70-130	
Benzyl chloride	10.0	11.4	114	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	10.6	106	70-130	
1,2,4-Trichlorobenzene	10.0	10.1	101	70-130	
Hexachlorobutadiene	10.0	10.5	105	70-130	
Naphthalene	10.0	10.7	107	70-130	

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.: 200-29085-1

SDG No.:

Lab File ID: 15221_04.D Lab Sample ID: MB 200-92567/4

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

Instrument ID: CHG.i Date Analyzed: 08/11/2015 13:59

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 200-92567/3	15221_03.D	08/11/2015 13:09
5685	200-29085-6	15221_24.D	08/12/2015 07:08

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

Lab Name: TestAmerica Burlington | Job No.: 200-29085-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-92567/4

Matrix: Air | Lab File ID: 15221_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/11/2015 13:59

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.: 92567 | 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.: 200-29085-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-92567/4

Matrix: Air | Lab File ID: 15221_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/11/2015 13:59

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.: 92567 | 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.: 200-29085-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92567/4

Matrix: Air Lab File ID: 15221_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/11/2015 13:59

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.: 92567 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\20150811-15221.b\15221_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 11-Aug-2015 13:59:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015221-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHG.i

Method: \\ChromNA\Burlington\ChromData\CHG.i\20150811-15221.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 12-Aug-2015 08:25:13 Calib Date: 04-Jun-2015 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20150604-13946.b\13946_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: desjardinsb Date: 12-Aug-2015 08:25:47

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		2.747					ND	
2 Dichlorodifluoromethane	85		2.811					ND	
3 Chlorodifluoromethane	51		2.859					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.068					ND	
5 Chloromethane	50		3.191					ND	
6 Butane	43		3.394					ND	
7 Vinyl chloride	62		3.432					ND	
8 Butadiene	54		3.507					ND	
10 Bromomethane	94		4.165					ND	
11 Chloroethane	64		4.411					ND	
12 2-Methylbutane	43		4.507					ND	
13 Vinyl bromide	106		4.801					ND	
14 Trichlorofluoromethane	101		4.924					ND	
16 Pentane	43		5.074					ND	
17 Ethanol	45		5.513					ND	
18 Ethyl ether	59		5.609					ND	
19 Acrolein	56		5.957					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.032					ND	
21 1,1-Dichloroethene	96		6.053					ND	
22 Acetone	43		6.288					ND	
23 Carbon disulfide	76		6.428					ND	
24 Isopropyl alcohol	45		6.631					ND	
25 3-Chloro-1-propene	41		6.850					ND	
26 Acetonitrile	41		6.941					ND	
27 Methylene Chloride	49	7.139	7.139	0.000	83	2570		0.0759	
28 2-Methyl-2-propanol	59		7.428					ND	
31 trans-1,2-Dichloroethene	61		7.604					ND	
29 Methyl tert-butyl ether	73		7.604					ND	
32 Acrylonitrile	53		7.722					ND	
33 Hexane	57		8.038					ND	
34 1,1-Dichloroethane	63		8.482					ND	

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		8.583					ND	
37 cis-1,2-Dichloroethene	96		9.595					ND	
38 2-Butanone (MEK)	72		9.653					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
39 Ethyl acetate	88		9.728					ND	
* 40 Chlorobromomethane	128	10.049	10.055	-0.006	78	435137	10.0	10.0	
41 Tetrahydrofuran	42		10.087					ND	
42 Chloroform	83		10.199					ND	
43 Cyclohexane	84		10.472					ND	
44 1,1,1-Trichloroethane	97		10.477					ND	
45 Carbon tetrachloride	117		10.739					ND	
47 Benzene	78		11.183					ND	
46 Isooctane	57		11.216					ND	
48 1,2-Dichloroethane	62		11.349					ND	
49 n-Heptane	43		11.622					ND	
* 50 1,4-Difluorobenzene	114	12.034	12.039	-0.005	92	2347020	10.0	10.0	
52 n-Butanol	56		12.467					ND	
53 Trichloroethene	95		12.499					ND	
A 51 GRO	1	12.869	(4.497-21.240)		0	1264228		0	
54 1,2-Dichloropropane	63		13.029					ND	
55 Methyl methacrylate	69		13.248					ND	
57 Dibromomethane	174		13.275					ND	
56 1,4-Dioxane	88		13.281					ND	
58 Dichlorobromomethane	83		13.591					ND	
A 59 TVOC as Toluene	92	14.540	(2.737-26.344)		0	1398048		11.4	
60 cis-1,3-Dichloropropene	75		14.570					ND	
61 4-Methyl-2-pentanone (MIBK	43		14.896					ND	
A 63 Toluene Range	92	15.206	(15.166-15.246)		0	14164		0.1126	
65 Toluene	92		15.206					ND	
64 n-Octane	43		15.340					ND	
A 62 C8 Range	1		(15.366-15.368)					ND	
66 trans-1,3-Dichloropropene	75		15.811					ND	
67 1,1,2-Trichloroethane	83		16.191					ND	
68 Tetrachloroethene	166		16.341					ND	
69 2-Hexanone	43		16.688					ND	
71 Chlorodibromomethane	129		16.972					ND	
72 Ethylene Dibromide	107		17.239					ND	
* 74 Chlorobenzene-d5	117	18.181	18.181	0.000	86	2398626	10.0	10.0	
75 Chlorobenzene	112		18.245					ND	
76 Ethylbenzene	91		18.416					ND	
77 n-Nonane	57		18.609					ND	
78 m-Xylene & p-Xylene	106		18.678					ND	
79 o-Xylene	106		19.524					ND	
80 Styrene	104		19.572					ND	
S 73 Xylenes, Total	106		19.600					ND	
81 Bromoform	173		19.989					ND	
82 Isopropylbenzene	105		20.251					ND	
$ 83 4-Bromofluorobenzene	95	20.615	20.615	0.000	97	1541092	NC	NC	
84 1,1,2,2-Tetrachloroethane	83		20.898					ND	
86 1,2,3-Trichloropropane	75		20.989					ND	
85 N-Propylbenzene	91		21.000					ND	
89 2-Chlorotoluene	91		21.193					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		21.198					ND	
87 n-Decane	57		21.230					ND	
90 1,3,5-Trimethylbenzene	105		21.310					ND	
91 Alpha Methyl Styrene	118		21.680					ND	
92 tert-Butylbenzene	119		21.808					ND	
93 1,2,4-Trimethylbenzene	105		21.904					ND	
94 sec-Butylbenzene	105		22.140					ND	
95 4-Isopropyltoluene	119		22.348					ND	
96 1,3-Dichlorobenzene	146		22.354					ND	
97 1,4-Dichlorobenzene	146		22.493					ND	
98 Benzyl chloride	91		22.680					ND	
100 n-Butylbenzene	91		22.915					ND	
99 Undecane	57		22.969					ND	
101 1,2-Dichlorobenzene	146		23.012					ND	
102 Dodecane	57		24.510					ND	
103 1,2,4-Trichlorobenzene	180		25.430					ND	
104 Hexachlorobutadiene	225		25.633					ND	
105 Naphthalene	128	25.884	25.879	0.005	77	8214		0.0353	
106 1,2,3-Trichlorobenzene	180		26.334					ND	
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	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15GIS_00010 Amount Added: 20.00 Units: mL Run Reagent

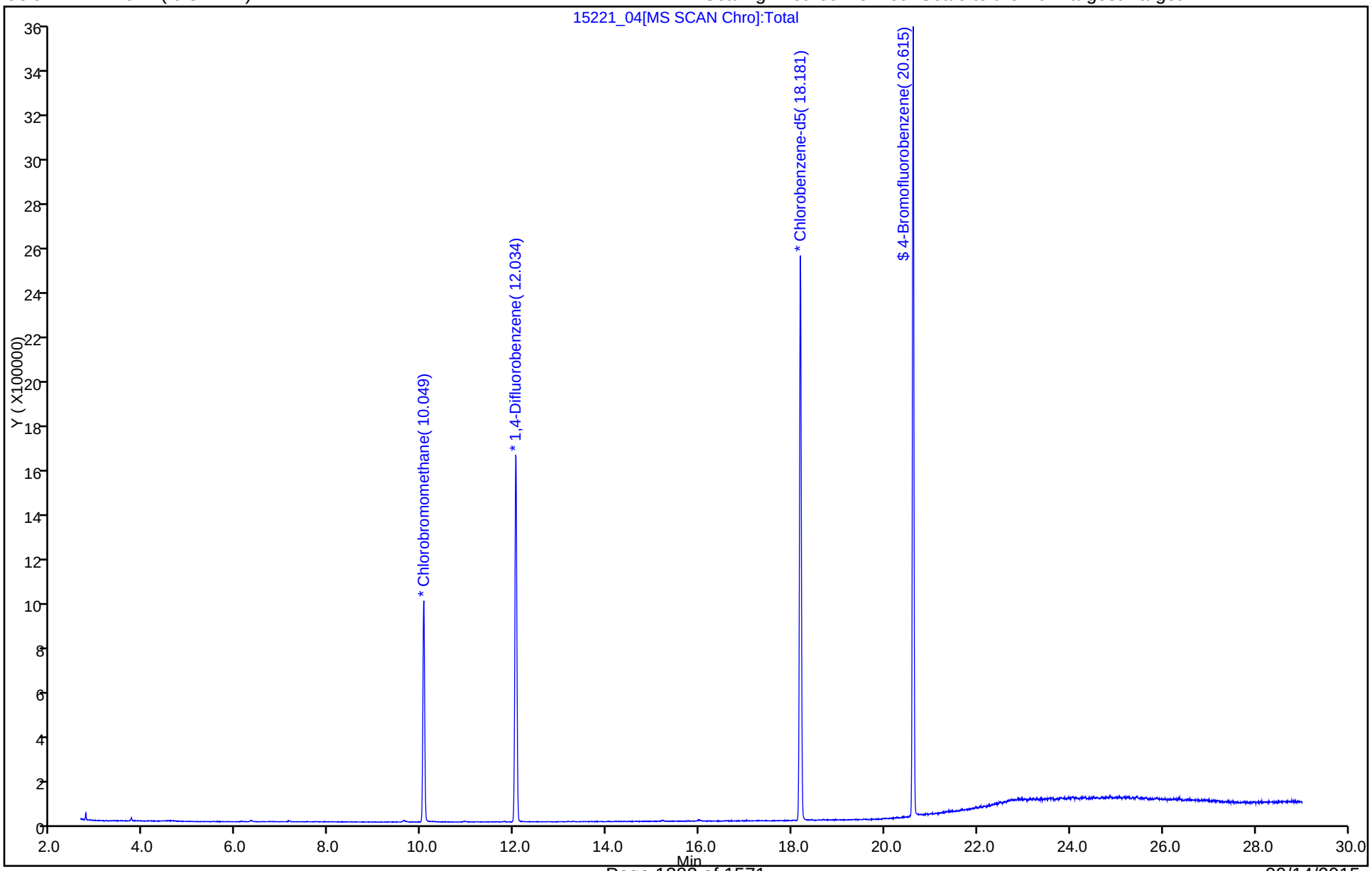
Report Date: 12-Aug-2015 08:25:48 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20150811-15221.b\15221_04.D

Injection Date:	11-Aug-2015 13:59:30	Instrument ID:	CHG.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab File ID: 15141_04.D Lab Sample ID: MB 200-92381/4

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

Instrument ID: CHB.i Date Analyzed: 08/06/2015 13:00

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 200-92381/3	15141_03.D	08/06/2015 12:07
2534	200-29156-10	15141_20.D	08/07/2015 03:25

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

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92381/4

Matrix: Air Lab File ID: 15141_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2015 13:00

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.: 92381 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.: 200-29156-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-92381/4

Matrix: Air | Lab File ID: 15141_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/06/2015 13:00

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.: 92381 | 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.: 200-29156-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92381/4

Matrix: Air Lab File ID: 15141_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2015 13:00

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.: 92381 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\CHB.i\20150806-15141.b\15141_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2015 13:00:30 ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015141-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20150806-15141.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2015 14:19:22 Calib Date: 04-Aug-2015 11:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20150803-15073.b\15073_20.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: daiglep Date: 07-Aug-2015 14:15:49

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		3.165					ND	
2 Dichlorodifluoromethane	85		3.224					ND	
3 Chlorodifluoromethane	51		3.261					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.448					ND	
5 Chloromethane	50		3.581					ND	
6 Butane	43		3.757					ND	
7 Vinyl chloride	62		3.800					ND	
8 Butadiene	54		3.870					ND	
10 Bromomethane	94		4.563					ND	
11 Chloroethane	64		4.798					ND	
12 2-Methylbutane	43		4.873					ND	
13 Vinyl bromide	106		5.214					ND	
14 Trichlorofluoromethane	101		5.310					ND	
15 Pentane	43		5.444					ND	
16 Ethanol	45		5.785					ND	
17 Ethyl ether	59		5.930					ND	
18 Acrolein	56		6.319					ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.351					ND	
20 1,1-Dichloroethene	96		6.426					ND	
21 Acetone	43		6.591					ND	
22 Isopropyl alcohol	45		6.799					ND	
23 Carbon disulfide	76		6.858					ND	
24 3-Chloro-1-propene	41		7.136					ND	
T 25 Methyl Acetate TIC	43		7.200					ND	
26 Acetonitrile	41		7.226					ND	
27 Methylene Chloride	49		7.403					ND	
28 2-Methyl-2-propanol	59		7.499					ND	
29 Methyl tert-butyl ether	73		7.733					ND	
30 trans-1,2-Dichloroethene	61		7.808					ND	
31 Acrylonitrile	53		7.899					ND	
32 Hexane	57		8.128					ND	

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		8.555					ND	
34 Vinyl acetate	43		8.561					ND	
36 2-Butanone (MEK)	72		9.452					ND	
35 Ethyl acetate	88		9.457					ND	
37 cis-1,2-Dichloroethene	96		9.463					ND	
* 39 Chlorobromomethane	128	9.831	9.836	-0.005	89	162181	10.0	10.0	
38 Tetrahydrofuran	42		9.836					ND	
40 Chloroform	83		9.906					ND	
S 41 1,2-Dichloroethene, Total	61		10.000					ND	
42 1,1,1-Trichloroethane	97		10.162					ND	
43 Cyclohexane	84		10.162					ND	
44 Carbon tetrachloride	117		10.359					ND	
45 Isooctane	57		10.637					ND	
46 Benzene	78		10.690					ND	
47 1,2-Dichloroethane	62		10.802					ND	
48 n-Heptane	43		10.888					ND	
A 49 GRO	1	10.952	(4.863-17.040)		0	278512		0	
* 50 1,4-Difluorobenzene	114	11.235	11.234	0.001	98	888313	10.0	10.0	
51 n-Butanol	56		11.411					ND	
T 52 Methyl cyclohexane TIC	55		11.500					ND	
53 Trichloroethene	95		11.597					ND	
54 1,2-Dichloropropane	63		11.982					ND	
55 Methyl methacrylate	69		12.008					ND	
56 1,4-Dioxane	88		12.099					ND	
57 Dibromomethane	174		12.168					ND	
58 Dichlorobromomethane	83		12.334					ND	
A 59 TVOC as Toluene	1	12.595	(3.155-22.036)		0	511798		0	
60 cis-1,3-Dichloropropene	75		12.964					ND	
61 4-Methyl-2-pentanone (MIBK	43		13.108					ND	
A 62 C8 Range	1	13.349	(13.309-13.389)		0	5099		NC	
63 n-Octane	43		13.359					ND	
64 Toluene	92		13.391					ND	
A 65 Toluene Range	1	13.406	(13.381-13.431)		0	3922		NC	
66 trans-1,3-Dichloropropene	75		13.753					ND	
67 1,1,2-Trichloroethane	83		14.031					ND	
68 Tetrachloroethene	166		14.154					ND	
69 2-Hexanone	43		14.282					ND	
70 Chlorodibromomethane	129		14.575					ND	
71 Ethylene Dibromide	107		14.778					ND	
* 72 Chlorobenzene-d5	117	15.328	15.333	-0.005	96	739893	10.0	10.0	
73 Chlorobenzene	112		15.371					ND	
74 Ethylbenzene	91		15.435					ND	
75 n-Nonane	57		15.440					ND	
76 m-Xylene & p-Xylene	106		15.579					ND	
S 77 Xylenes, Total	106		16.000					ND	
78 o-Xylene	106		16.091					ND	
79 Styrene	104		16.112					ND	
80 Bromoform	173		16.406					ND	
81 Isopropylbenzene	105		16.497					ND	
* 82 4-Bromofluorobenzene	95	16.758	16.758	0.000	78	536799	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83		16.908					ND	
84 N-Propylbenzene	91		16.972					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75		16.993					ND	
86 n-Decane	57		17.030					ND	
87 4-Ethyltoluene	105		17.094					ND	
88 2-Chlorotoluene	91		17.142					ND	
89 1,3,5-Trimethylbenzene	105		17.164					ND	
90 Alpha Methyl Styrene	118		17.441					ND	
91 tert-Butylbenzene	119		17.543					ND	
92 1,2,4-Trimethylbenzene	105		17.612					ND	
93 sec-Butylbenzene	105		17.804					ND	
94 4-Isopropyltoluene	119		17.954					ND	
95 1,3-Dichlorobenzene	146		18.039					ND	
96 1,4-Dichlorobenzene	146		18.151					ND	
97 Benzyl chloride	91		18.306					ND	
98 Undecane	57		18.423					ND	
99 n-Butylbenzene	91		18.466					ND	
100 1,2-Dichlorobenzene	146		18.642					ND	
T 101 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
102 Dodecane	57		19.896					ND	
103 1,2,4-Trichlorobenzene	180		21.044					ND	
104 Hexachlorobutadiene	225		21.209					ND	
105 Naphthalene	128		21.545					ND	
106 1,2,3-Trichlorobenzene	180		22.026					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

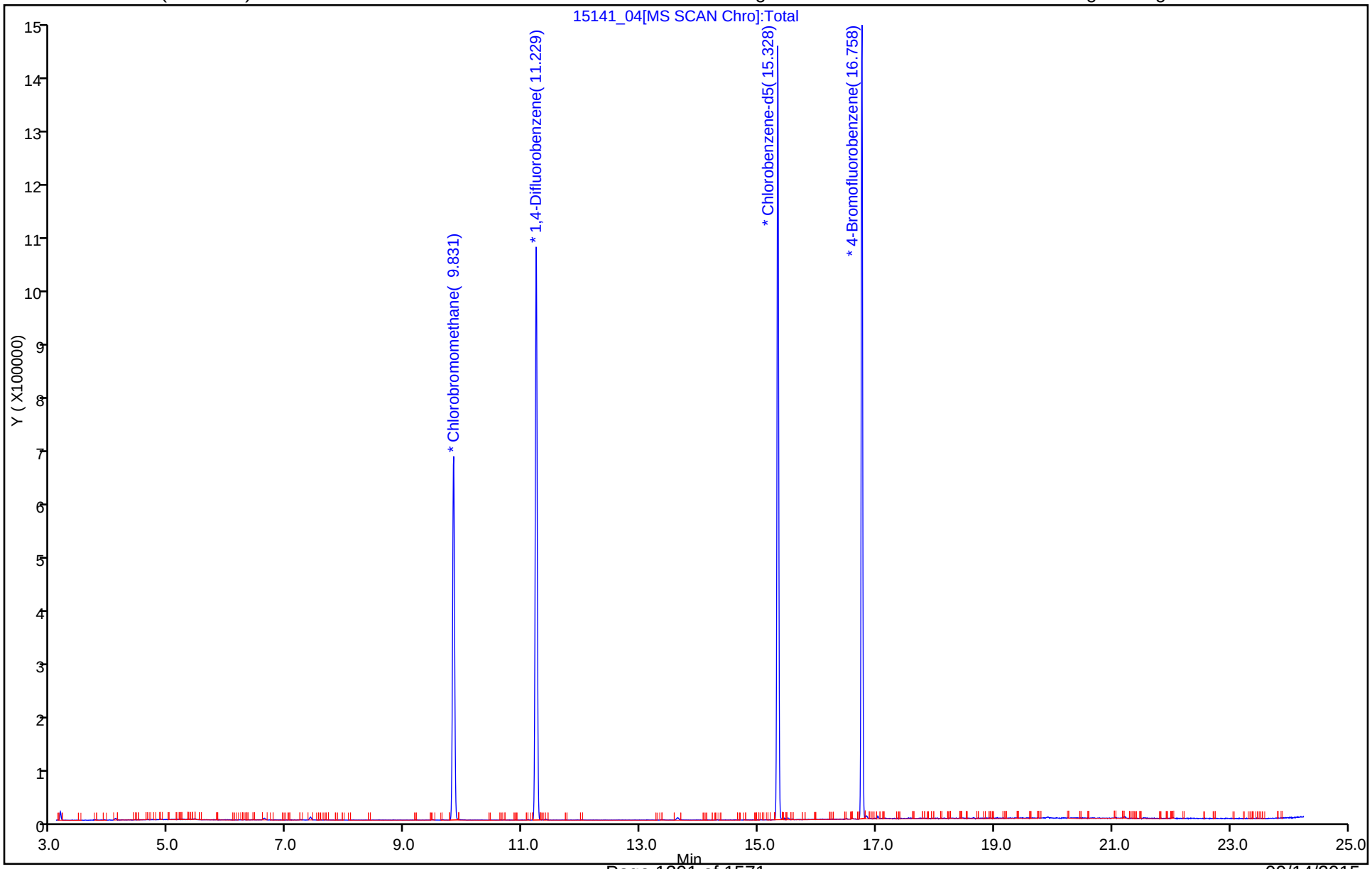
Report Date: 07-Aug-2015 14:19:31 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20150806-15141.b\15141_04.D

Injection Date:	06-Aug-2015 13:00:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 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



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab File ID: 15192_04.D Lab Sample ID: MB 200-92494/4

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

Instrument ID: CHB.i Date Analyzed: 08/10/2015 13:18

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 200-92494/3	15192_03.D	08/10/2015 12:26
4387	200-29205-3	15192_07.D	08/10/2015 16:04

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

Lab Name: TestAmerica Burlington | Job No.: 200-29205-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-92494/4

Matrix: Air | Lab File ID: 15192_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/10/2015 13:18

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.: 92494 | 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.: 200-29205-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-92494/4

Matrix: Air | Lab File ID: 15192_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/10/2015 13:18

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.: 92494 | 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.: 200-29205-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92494/4

Matrix: Air Lab File ID: 15192_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/10/2015 13:18

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.: 92494 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\CHB.i\20150810-15192.b\15192_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 10-Aug-2015 13:18:30 ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015192-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20150810-15192.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Aug-2015 13:34:35 Calib Date: 04-Aug-2015 11:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20150803-15073.b\15073_20.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: daiglep Date: 11-Aug-2015 12:14:20

	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		3.165					ND	
2	Dichlorodifluoromethane	85		3.224					ND	
3	Chlorodifluoromethane	51		3.261					ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.448					ND	
5	Chloromethane	50		3.582					ND	
6	Butane	43		3.758					ND	
7	Vinyl chloride	62		3.800					ND	
8	Butadiene	54		3.864					ND	
10	Bromomethane	94		4.558					ND	
11	Chloroethane	64		4.798					ND	
12	2-Methylbutane	43		4.873					ND	
13	Vinyl bromide	106		5.215					ND	
14	Trichlorofluoromethane	101		5.311					ND	
15	Pentane	43		5.449					ND	
16	Ethanol	45		5.786					ND	
17	Ethyl ether	59		5.924					ND	
18	Acrolein	56		6.319					ND	
19	1,1,2-Trichloro-1,2,2-trif	101		6.346					ND	
20	1,1-Dichloroethene	96		6.426					ND	
21	Acetone	43		6.592					ND	
22	Isopropyl alcohol	45		6.800					ND	
23	Carbon disulfide	76		6.858					ND	
24	3-Chloro-1-propene	41		7.136					ND	
T 25	Methyl Acetate TIC	43		7.200					ND	
26	Acetonitrile	41		7.221					ND	
27	Methylene Chloride	49		7.403					ND	
28	2-Methyl-2-propanol	59		7.499					ND	
29	Methyl tert-butyl ether	73		7.734					ND	
30	trans-1,2-Dichloroethene	61		7.803					ND	
31	Acrylonitrile	53		7.899					ND	
32	Hexane	57		8.123					ND	

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		8.556					ND	
34 Vinyl acetate	43		8.561					ND	
36 2-Butanone (MEK)	72		9.452					ND	
35 Ethyl acetate	88		9.457					ND	
37 cis-1,2-Dichloroethene	96		9.463					ND	
38 Tetrahydrofuran	42		9.831					ND	
* 39 Chlorobromomethane	128	9.831	9.831	0.000	88	162142	10.0	10.0	
40 Chloroform	83		9.906					ND	
S 41 1,2-Dichloroethene, Total	61		10.000					ND	
42 1,1,1-Trichloroethane	97		10.157					ND	
43 Cyclohexane	84		10.162					ND	
44 Carbon tetrachloride	117		10.359					ND	
45 Isooctane	57		10.637					ND	
46 Benzene	78		10.690					ND	
47 1,2-Dichloroethane	62		10.797					ND	
48 n-Heptane	43		10.882					ND	
A 49 GRO	1	10.949	(4.863-17.035)		0	265956		0	
* 50 1,4-Difluorobenzene	114	11.229	11.235	-0.006	99	901980	10.0	10.0	
51 n-Butanol	56		11.405					ND	
T 52 Methyl cyclohexane TIC	55		11.500					ND	
53 Trichloroethene	95		11.598					ND	
54 1,2-Dichloropropane	63		11.976					ND	
55 Methyl methacrylate	69		12.009					ND	
56 1,4-Dioxane	88		12.099					ND	
57 Dibromomethane	174		12.163					ND	
58 Dichlorobromomethane	83		12.334					ND	
A 59 TVOC as Toluene	1	12.596	(3.155-22.036)		0	537124		0	
60 cis-1,3-Dichloropropene	75		12.958					ND	
61 4-Methyl-2-pentanone (MIBK	43		13.108					ND	
A 62 C8 Range	1	13.359	(13.309-13.389)		0	1510		NC	
63 n-Octane	43		13.359					ND	
64 Toluene	92		13.391					ND	
A 65 Toluene Range	1	13.406	(13.381-13.431)		0	2467		NC	
66 trans-1,3-Dichloropropene	75		13.754					ND	
67 1,1,2-Trichloroethane	83		14.026					ND	
68 Tetrachloroethene	166		14.154					ND	
69 2-Hexanone	43		14.282					ND	
70 Chlorodibromomethane	129		14.576					ND	
71 Ethylene Dibromide	107		14.778					ND	
* 72 Chlorobenzene-d5	117	15.328	15.328	0.000	96	757673	10.0	10.0	
73 Chlorobenzene	112		15.371					ND	
74 Ethylbenzene	91		15.429					ND	
75 n-Nonane	57		15.440					ND	
76 m-Xylene & p-Xylene	106		15.579					ND	
S 77 Xylenes, Total	106		16.000					ND	
78 o-Xylene	106		16.086					ND	
79 Styrene	104		16.113					ND	
80 Bromoform	173		16.406					ND	
81 Isopropylbenzene	105		16.497					ND	
* 82 4-Bromofluorobenzene	95	16.753	16.753	0.000	77	560896	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83		16.908					ND	
84 N-Propylbenzene	91		16.972					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75		16.993					ND	
86 n-Decane	57		17.025					ND	
87 4-Ethyltoluene	105		17.095					ND	
88 2-Chlorotoluene	91		17.137					ND	
89 1,3,5-Trimethylbenzene	105		17.164					ND	
90 Alpha Methyl Styrene	118		17.436					ND	
91 tert-Butylbenzene	119		17.543					ND	
92 1,2,4-Trimethylbenzene	105		17.612					ND	
93 sec-Butylbenzene	105		17.799					ND	
94 4-Isopropyltoluene	119		17.954					ND	
95 1,3-Dichlorobenzene	146		18.034					ND	
96 1,4-Dichlorobenzene	146		18.151					ND	
97 Benzyl chloride	91		18.306					ND	
98 Undecane	57		18.418					ND	
99 n-Butylbenzene	91		18.466					ND	
100 1,2-Dichlorobenzene	146		18.642					ND	
T 101 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
102 Dodecane	57		19.896					ND	
103 1,2,4-Trichlorobenzene	180		21.044					ND	
104 Hexachlorobutadiene	225		21.204					ND	
105 Naphthalene	128		21.540					ND	
106 1,2,3-Trichlorobenzene	180		22.026					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

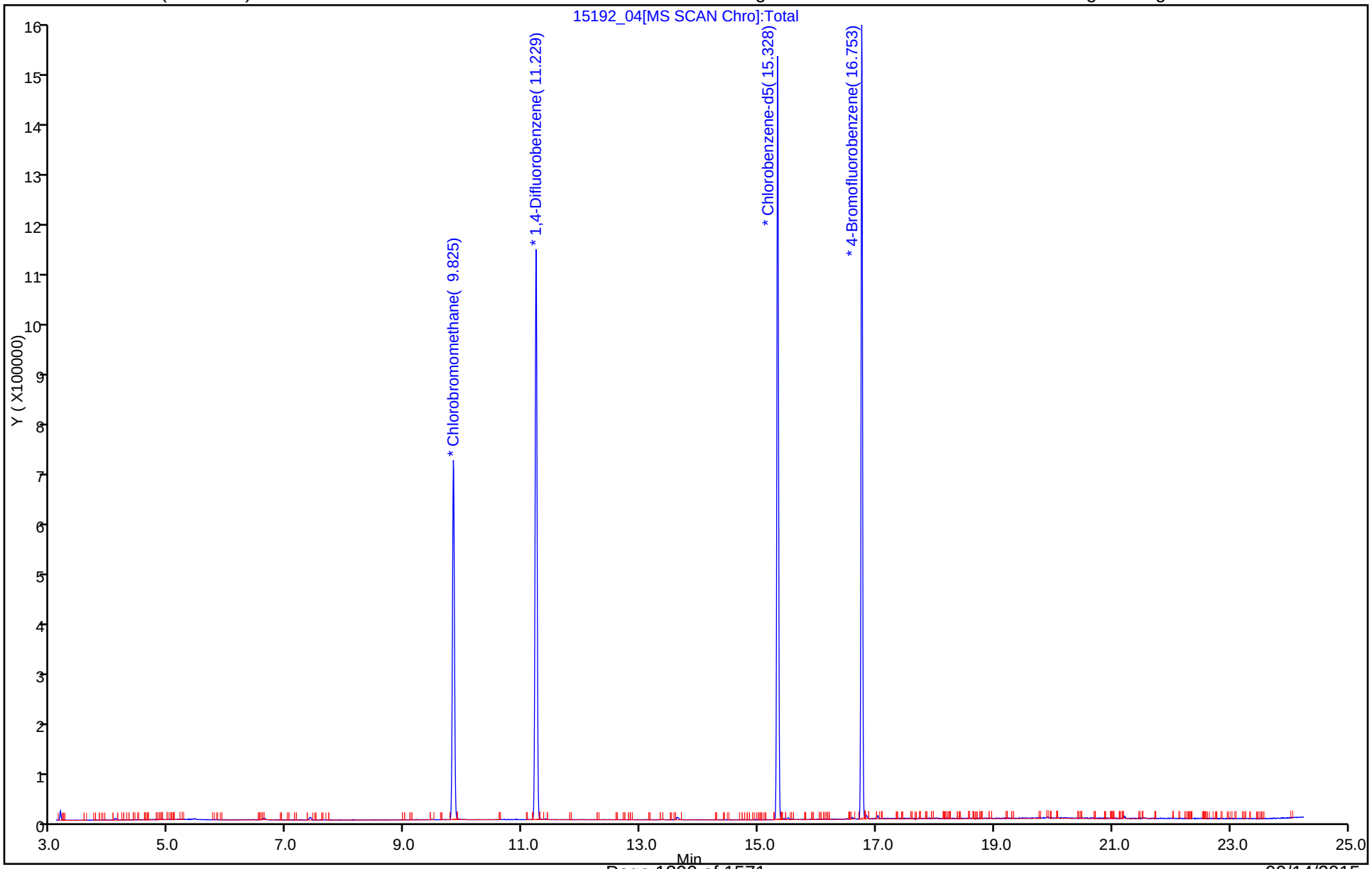
Report Date: 11-Aug-2015 13:34:45 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20150810-15192.b\15192_04.D

Injection Date:	10-Aug-2015 13:18:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 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



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab File ID: 15321_04.D Lab Sample ID: MB 200-92838/4

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

Instrument ID: CHX.i Date Analyzed: 08/18/2015 13:53

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 200-92838/3	15321_03.D	08/18/2015 13:03
3609	200-29276-7	15321_19.D	08/19/2015 02:33

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

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92838/4

Matrix: Air Lab File ID: 15321_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/18/2015 13:53

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.: 92838 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.: 200-29276-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-92838/4

Matrix: Air | Lab File ID: 15321_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/18/2015 13:53

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.: 92838 | 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.: 200-29276-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92838/4

Matrix: Air Lab File ID: 15321_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/18/2015 13:53

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.: 92838 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\CHX.i\20150818-15321.b\15321_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 18-Aug-2015 13:53:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015321-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 13:27:09 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 19-Aug-2015 10:56:04

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		3.092					ND	
2 Dichlorodifluoromethane	85		3.161					ND	
3 Chlorodifluoromethane	51		3.209					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.423					ND	
5 Chloromethane	50		3.563					ND	
6 Butane	43		3.761					ND	
7 Vinyl chloride	62		3.803					ND	
8 Butadiene	54		3.878					ND	
9 Bromomethane	94		4.547					ND	
10 Chloroethane	64		4.777					ND	
11 2-Methylbutane	43		4.841					ND	
12 Vinyl bromide	106		5.157					ND	
13 Trichlorofluoromethane	101		5.248					ND	
14 Pentane	43		5.381					ND	
15 Ethanol	45		5.809					ND	
16 Ethyl ether	59		5.895					ND	
17 Acrolein	56		6.280					ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.291					ND	
20 1,1-Dichloroethene	96		6.344					ND	
21 Acetone	43		6.591					ND	
22 Carbon disulfide	76		6.740					ND	
23 Isopropyl alcohol	45		6.869					ND	
24 3-Chloro-1-propene	41		7.115					ND	
25 Acetonitrile	41		7.265					ND	
26 Methylene Chloride	49	7.404	7.409	-0.005	73	1973		0.1399	
T 27 Methyl Acetate TIC	43		7.568					ND	
28 2-Methyl-2-propanol	59		7.644					ND	
29 Methyl tert-butyl ether	73		7.805					ND	
30 trans-1,2-Dichloroethene	61		7.837					ND	
31 Acrylonitrile	53		8.003					ND	
32 Hexane	57		8.206					ND	

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		8.709					ND	
34 Vinyl acetate	43		8.773					ND	
35 cis-1,2-Dichloroethene	96		9.816					ND	
36 2-Butanone (MEK)	72		9.865					ND	
37 Ethyl acetate	88		9.891					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
39 Tetrahydrofuran	42		10.287					ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	76	191334	10.0	10.0	
41 Chloroform	83		10.410					ND	
42 Cyclohexane	84		10.651					ND	
43 1,1,1-Trichloroethane	97		10.688					ND	
44 Carbon tetrachloride	117		10.934					ND	
45 Isooctane	57		11.362					ND	
46 Benzene	78		11.416					ND	
47 1,2-Dichloroethane	62		11.609					ND	
48 n-Heptane	43		11.748					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.261	12.267	-0.006	92	1056050	10.0	10.0	
51 n-Butanol	56		12.673					ND	
52 Trichloroethene	95		12.748					ND	
53 1,2-Dichloropropane	63		13.336					ND	
54 Methyl methacrylate	69		13.492					ND	
55 1,4-Dioxane	88		13.561					ND	
56 Dibromomethane	174	13.609	13.609	0.000	14	580		0.0155	M
57 Dichlorobromomethane	83		13.909					ND	
58 cis-1,3-Dichloropropene	75		14.877					ND	
A 60 TVOC as Toluene	1		(3.054-26.834)					ND	
A 59 Total Hydrocarbons	1	14.944	(3.054-26.834)		0	411871		NC	
61 4-Methyl-2-pentanone (MIBK	43		15.182					ND	
62 Toluene	92		15.482					ND	
A 63 Toluene Range	1		(15.472-15.492)					ND	
66 n-Octane	43		15.514					ND	
A 64 C8 Range	1		(15.504-15.524)					ND	
A 65 GRO	1		(15.514-15.514)					ND	
67 trans-1,3-Dichloropropene	75		16.102					ND	
68 1,1,2-Trichloroethane	83		16.487					ND	
69 Tetrachloroethene	166		16.589					ND	
70 2-Hexanone	43		16.948					ND	
71 Chlorodibromomethane	129		17.274					ND	
72 Ethylene Dibromide	107		17.552					ND	
* 73 Chlorobenzene-d5	117	18.451	18.456	-0.005	82	1036444	10.0	10.0	
74 Chlorobenzene	112		18.520					ND	
75 Ethylbenzene	91		18.659					ND	
76 n-Nonane	57		18.761					ND	
77 m-Xylene & p-Xylene	106		18.911					ND	
78 o-Xylene	106		19.729					ND	
79 Styrene	104		19.778					ND	
S 80 Xylenes, Total	106		20.000					ND	
81 Bromoform	173		20.189					ND	
82 Isopropylbenzene	105		20.361					ND	
* 83 4-Bromofluorobenzene	95	20.719	20.724	-0.005	98	690611	10.0	10.0	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,1,2,2-Tetrachloroethane	83		20.992					ND	
86 N-Propylbenzene	91		21.045					ND	
87 1,2,3-Trichloropropane	75		21.088					ND	
88 n-Decane	57		21.190					ND	
89 4-Ethyltoluene	105		21.227					ND	
90 2-Chlorotoluene	91		21.243					ND	
91 1,3,5-Trimethylbenzene	105		21.324					ND	
92 Alpha Methyl Styrene	118		21.682					ND	
93 tert-Butylbenzene	119		21.800					ND	
94 1,2,4-Trimethylbenzene	105		21.891					ND	
95 sec-Butylbenzene	105		22.115					ND	
96 4-Isopropyltoluene	119		22.308					ND	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	90	985		0.0113	
98 1,4-Dichlorobenzene	146	22.490	22.495	-0.005	87	1185		0.0135	
99 Benzyl chloride	91	22.693	22.698	-0.005	89	1093		0.0119	
100 Undecane	57		22.896					ND	
101 n-Butylbenzene	91		22.902					ND	
102 1,2-Dichlorobenzene	146	23.057	23.052	0.005	90	739		0.008962	
103 Dodecane	57		24.549					ND	
104 1,2,4-Trichlorobenzene	180	25.678	25.689	-0.011	82	1522		0.0200	
105 Hexachlorobutadiene	225		25.871					ND	
106 Naphthalene	128	26.213	26.219	-0.006	1	2725		0.0187	M
107 1,2,3-Trichlorobenzene	180	26.721	26.727	-0.006	77	1169		0.0166	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

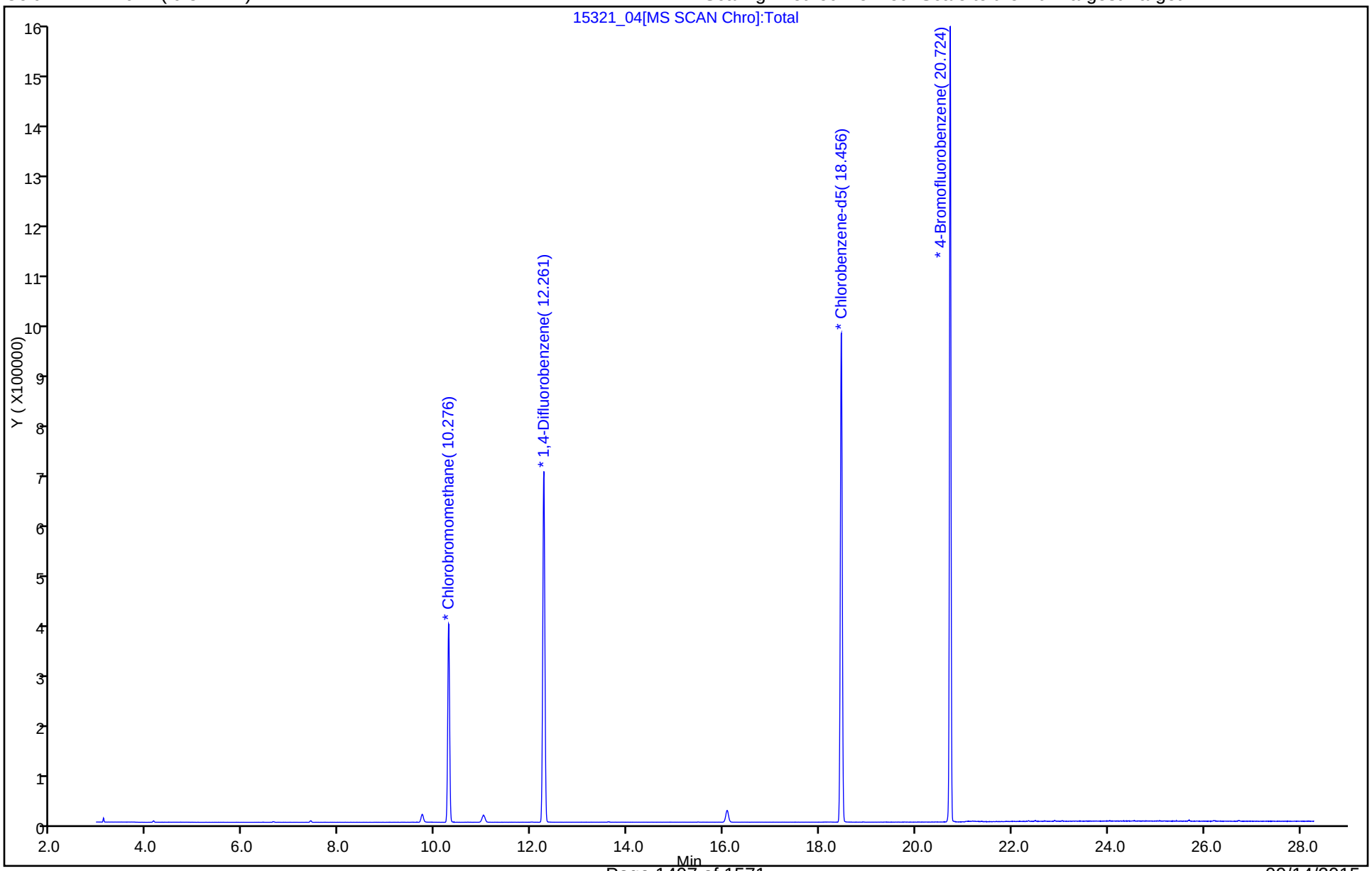
Report Date: 19-Aug-2015 13:27:11 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\15321_04.D

Injection Date:	18-Aug-2015 13:53:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

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



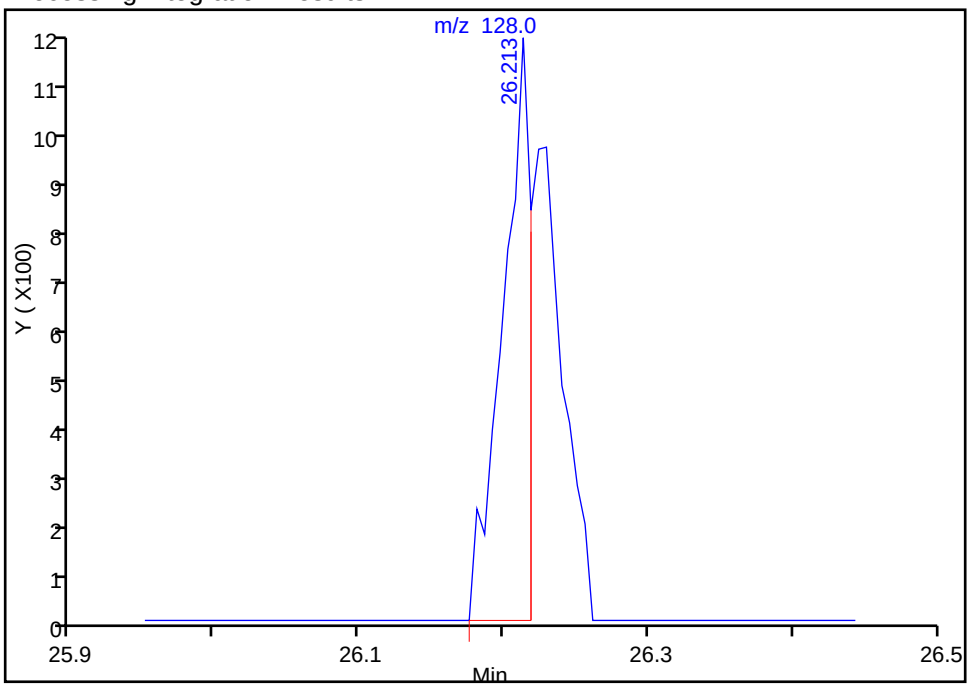
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\15321_04.D				
Injection Date:	18-Aug-2015 13:53:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

106 Naphthalene, CAS: 91-20-3

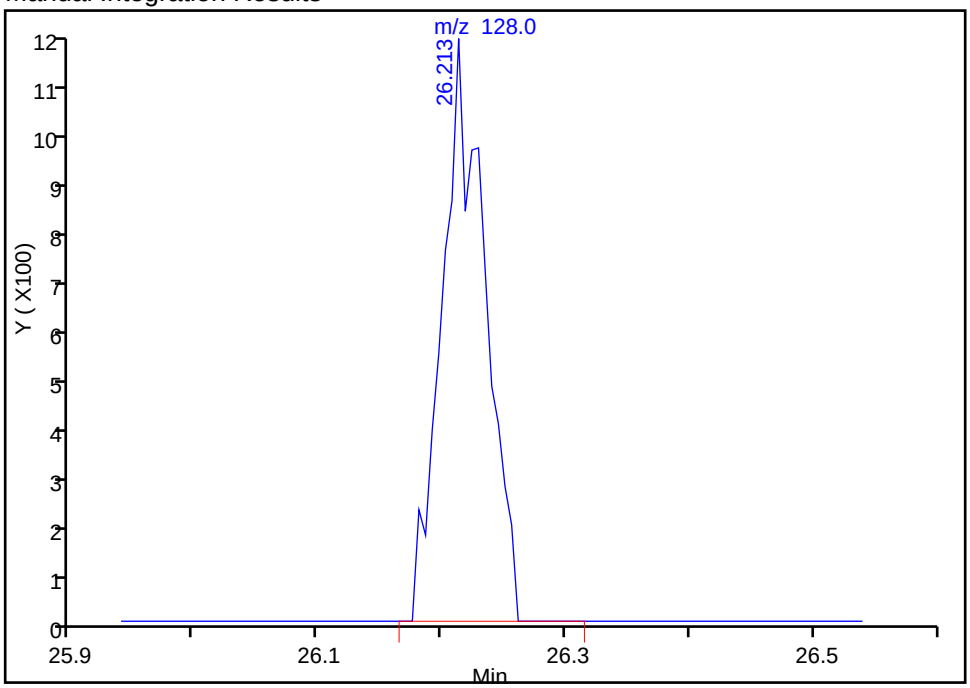
Processing Integration Results

RT: 26.21
Area: 1512
Amount: 0.010375
Amount Units: ppb v/v



Manual Integration Results

RT: 26.21
Area: 2725
Amount: 0.018699
Amount Units: ppb v/v



Reviewer: daiglep, 19-Aug-2015 10:56:04
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab File ID: 15321_04.D Lab Sample ID: MB 200-92838/4

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

Instrument ID: CHX.i Date Analyzed: 08/18/2015 13:53

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 200-92838/3	15321_03.D	08/18/2015 13:03
4432	200-29304-12	15321_20.D	08/19/2015 03:30

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

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92838/4

Matrix: Air Lab File ID: 15321_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/18/2015 13:53

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.: 92838 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.: 200-29304-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-92838/4

Matrix: Air | Lab File ID: 15321_04.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/18/2015 13:53

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.: 92838 | 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.: 200-29304-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-92838/4

Matrix: Air Lab File ID: 15321_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/18/2015 13:53

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.: 92838 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\CHX.i\20150818-15321.b\15321_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 18-Aug-2015 13:53:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0015321-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 13:27:09 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 19-Aug-2015 10:56:04

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		3.092					ND	
2 Dichlorodifluoromethane	85		3.161					ND	
3 Chlorodifluoromethane	51		3.209					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.423					ND	
5 Chloromethane	50		3.563					ND	
6 Butane	43		3.761					ND	
7 Vinyl chloride	62		3.803					ND	
8 Butadiene	54		3.878					ND	
9 Bromomethane	94		4.547					ND	
10 Chloroethane	64		4.777					ND	
11 2-Methylbutane	43		4.841					ND	
12 Vinyl bromide	106		5.157					ND	
13 Trichlorofluoromethane	101		5.248					ND	
14 Pentane	43		5.381					ND	
15 Ethanol	45		5.809					ND	
16 Ethyl ether	59		5.895					ND	
17 Acrolein	56		6.280					ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.291					ND	
20 1,1-Dichloroethene	96		6.344					ND	
21 Acetone	43		6.591					ND	
22 Carbon disulfide	76		6.740					ND	
23 Isopropyl alcohol	45		6.869					ND	
24 3-Chloro-1-propene	41		7.115					ND	
25 Acetonitrile	41		7.265					ND	
26 Methylene Chloride	49	7.404	7.409	-0.005	73	1973		0.1399	
T 27 Methyl Acetate TIC	43		7.568					ND	
28 2-Methyl-2-propanol	59		7.644					ND	
29 Methyl tert-butyl ether	73		7.805					ND	
30 trans-1,2-Dichloroethene	61		7.837					ND	
31 Acrylonitrile	53		8.003					ND	
32 Hexane	57		8.206					ND	

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		8.709					ND	
34 Vinyl acetate	43		8.773					ND	
35 cis-1,2-Dichloroethene	96		9.816					ND	
36 2-Butanone (MEK)	72		9.865					ND	
37 Ethyl acetate	88		9.891					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
39 Tetrahydrofuran	42		10.287					ND	
* 40 Chlorobromomethane	128	10.282	10.287	-0.005	76	191334	10.0	10.0	
41 Chloroform	83		10.410					ND	
42 Cyclohexane	84		10.651					ND	
43 1,1,1-Trichloroethane	97		10.688					ND	
44 Carbon tetrachloride	117		10.934					ND	
45 Isooctane	57		11.362					ND	
46 Benzene	78		11.416					ND	
47 1,2-Dichloroethane	62		11.609					ND	
48 n-Heptane	43		11.748					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.261	12.267	-0.006	92	1056050	10.0	10.0	
51 n-Butanol	56		12.673					ND	
52 Trichloroethene	95		12.748					ND	
53 1,2-Dichloropropane	63		13.336					ND	
54 Methyl methacrylate	69		13.492					ND	
55 1,4-Dioxane	88		13.561					ND	
56 Dibromomethane	174	13.609	13.609	0.000	14	580		0.0155	M
57 Dichlorobromomethane	83		13.909					ND	
58 cis-1,3-Dichloropropene	75		14.877					ND	
A 60 TVOC as Toluene	1		(3.054-26.834)					ND	
A 59 Total Hydrocarbons	1	14.944	(3.054-26.834)		0	411871		NC	
61 4-Methyl-2-pentanone (MIBK	43		15.182					ND	
62 Toluene	92		15.482					ND	
A 63 Toluene Range	1		(15.472-15.492)					ND	
66 n-Octane	43		15.514					ND	
A 64 C8 Range	1		(15.504-15.524)					ND	
A 65 GRO	1		(15.514-15.514)					ND	
67 trans-1,3-Dichloropropene	75		16.102					ND	
68 1,1,2-Trichloroethane	83		16.487					ND	
69 Tetrachloroethene	166		16.589					ND	
70 2-Hexanone	43		16.948					ND	
71 Chlorodibromomethane	129		17.274					ND	
72 Ethylene Dibromide	107		17.552					ND	
* 73 Chlorobenzene-d5	117	18.451	18.456	-0.005	82	1036444	10.0	10.0	
74 Chlorobenzene	112		18.520					ND	
75 Ethylbenzene	91		18.659					ND	
76 n-Nonane	57		18.761					ND	
77 m-Xylene & p-Xylene	106		18.911					ND	
78 o-Xylene	106		19.729					ND	
79 Styrene	104		19.778					ND	
S 80 Xylenes, Total	106		20.000					ND	
81 Bromoform	173		20.189					ND	
82 Isopropylbenzene	105		20.361					ND	
* 83 4-Bromofluorobenzene	95	20.719	20.724	-0.005	98	690611	10.0	10.0	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,1,2,2-Tetrachloroethane	83		20.992					ND	
86 N-Propylbenzene	91		21.045					ND	
87 1,2,3-Trichloropropane	75		21.088					ND	
88 n-Decane	57		21.190					ND	
89 4-Ethyltoluene	105		21.227					ND	
90 2-Chlorotoluene	91		21.243					ND	
91 1,3,5-Trimethylbenzene	105		21.324					ND	
92 Alpha Methyl Styrene	118		21.682					ND	
93 tert-Butylbenzene	119		21.800					ND	
94 1,2,4-Trimethylbenzene	105		21.891					ND	
95 sec-Butylbenzene	105		22.115					ND	
96 4-Isopropyltoluene	119		22.308					ND	
97 1,3-Dichlorobenzene	146	22.356	22.356	0.000	90	985		0.0113	
98 1,4-Dichlorobenzene	146	22.490	22.495	-0.005	87	1185		0.0135	
99 Benzyl chloride	91	22.693	22.698	-0.005	89	1093		0.0119	
100 Undecane	57		22.896					ND	
101 n-Butylbenzene	91		22.902					ND	
102 1,2-Dichlorobenzene	146	23.057	23.052	0.005	90	739		0.008962	
103 Dodecane	57		24.549					ND	
104 1,2,4-Trichlorobenzene	180	25.678	25.689	-0.011	82	1522		0.0200	
105 Hexachlorobutadiene	225		25.871					ND	
106 Naphthalene	128	26.213	26.219	-0.006	1	2725		0.0187	M
107 1,2,3-Trichlorobenzene	180	26.721	26.727	-0.006	77	1169		0.0166	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

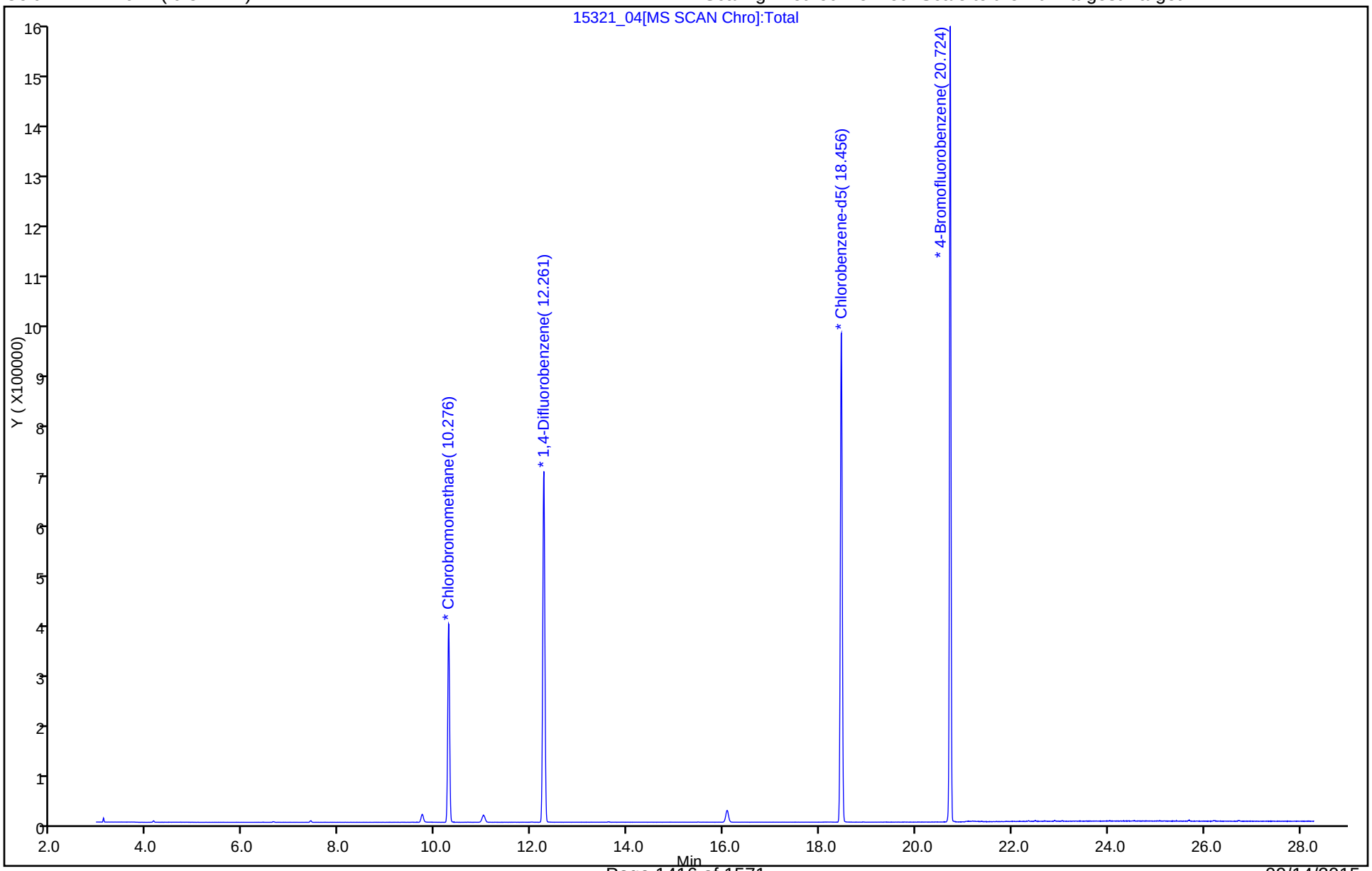
Report Date: 19-Aug-2015 13:27:11 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\15321_04.D

Injection Date:	18-Aug-2015 13:53:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

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



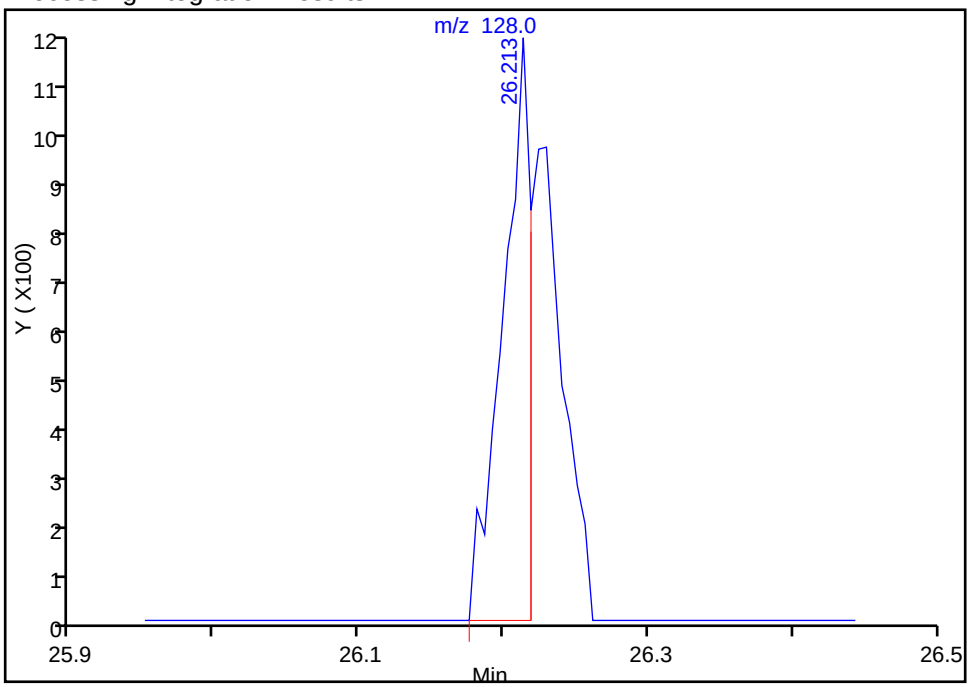
TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\15321_04.D				
Injection Date:	18-Aug-2015 13:53:30	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_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

106 Naphthalene, CAS: 91-20-3

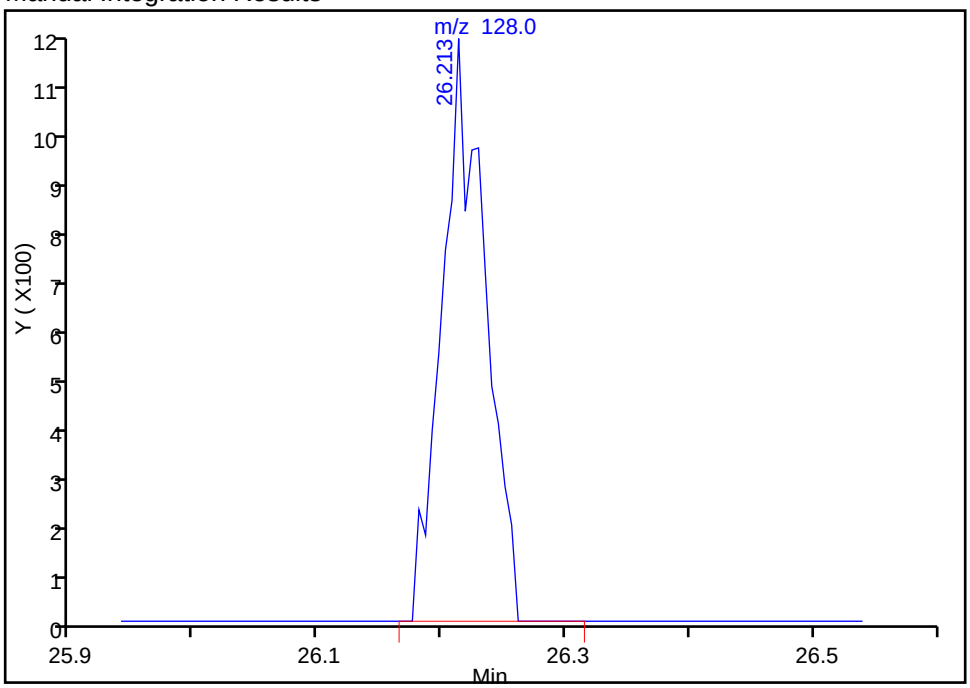
Processing Integration Results

RT: 26.21
Area: 1512
Amount: 0.010375
Amount Units: ppb v/v



Manual Integration Results

RT: 26.21
Area: 2725
Amount: 0.018699
Amount Units: ppb v/v



Reviewer: daiglep, 19-Aug-2015 10:56:04
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Lab File ID: 13946_01.D BFB Injection Date: 06/04/2015

Instrument ID: CHG.i BFB Injection Time: 15:39

Analysis Batch No.: 89271

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.2	
75	30.0 - 66.0% of mass 95	45.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	87.2	
175	4.0 - 9.0 % of mass 174	6.3	(7.2)1
176	93.0 - 101.0% of mass 174	84.9	(97.4)1
177	5.0 - 9.0% of mass 176	5.5	(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 200-89271/3	13946_03.D	06/04/2015	17:41
	IC 200-89271/4	13946_04.D	06/04/2015	18:31
	IC 200-89271/5	13946_05.D	06/04/2015	19:22
	IC 200-89271/6	13946_06.D	06/04/2015	20:14
	ICIS 200-89271/7	13946_07.D	06/04/2015	21:04
	IC 200-89271/8	13946_08.D	06/04/2015	21:55
	IC 200-89271/9	13946_09.D	06/04/2015	22:46
	IC 200-89271/10	13946_10.D	06/04/2015	23:37
	ICV 200-89271/13	13946_13.D	06/05/2015	02:10

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Lab File ID: 15221_01.D BFB Injection Date: 08/11/2015

Instrument ID: CHG.i BFB Injection Time: 11:26

Analysis Batch No.: 92567

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.7	
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	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	88.6	
175	4.0 - 9.0 % of mass 174	6.1	(6.9)1
176	93.0 - 101.0% of mass 174	86.4	(97.4)1
177	5.0 - 9.0% of mass 176	5.7	(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 200-92567/2	15221_02.D	08/11/2015	12:18
	LCS 200-92567/3	15221_03.D	08/11/2015	13:09
	MB 200-92567/4	15221_04.D	08/11/2015	13:59
5685	200-29085-6	15221_24.D	08/12/2015	07:08

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab File ID: 15073_01.D BFB Injection Date: 08/03/2015

Instrument ID: CHB.i BFB Injection Time: 15:34

Analysis Batch No.: 92213

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	25.0	
75	30.0 - 66.0% of mass 95	54.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	66.1	
175	4.0 - 9.0 % of mass 174	5.1	(7.7)1
176	93.0 - 101.0% of mass 174	63.9	(96.6)1
177	5.0 - 9.0% of mass 176	4.2	(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 200-92213/5	15073_05.D	08/03/2015	19:01
	IC 200-92213/6	15073_06.D	08/03/2015	19:54
	IC 200-92213/7	15073_07.D	08/03/2015	20:46
	IC 200-92213/9	15073_09.D	08/03/2015	22:30
	IC 200-92213/10	15073_10.D	08/03/2015	23:22
	IC 200-92213/11	15073_11.D	08/04/2015	00:14
	IC 200-92213/19	15073_19.D	08/04/2015	10:21
	ICIS 200-92213/20	15073_20.D	08/04/2015	11:14
	ICV 200-92213/24	15073_24.D	08/04/2015	14:48

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab File ID: 15141_01.D BFB Injection Date: 08/06/2015

Instrument ID: CHB.i BFB Injection Time: 10:23

Analysis Batch No.: 92381

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	24.8	
75	30.0 - 66.0% of mass 95	54.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	65.0	
175	4.0 - 9.0 % of mass 174	5.1	(7.9)1
176	93.0 - 101.0% of mass 174	63.5	(97.7)1
177	5.0 - 9.0% of mass 176	4.2	(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 200-92381/2	15141_02.D	08/06/2015	11:14
	LCS 200-92381/3	15141_03.D	08/06/2015	12:07
	MB 200-92381/4	15141_04.D	08/06/2015	13:00
2534	200-29156-10	15141_20.D	08/07/2015	03:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab File ID: 15073_01.D BFB Injection Date: 08/03/2015

Instrument ID: CHB.i BFB Injection Time: 15:34

Analysis Batch No.: 92213

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	25.0	
75	30.0 - 66.0% of mass 95	54.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	66.1	
175	4.0 - 9.0 % of mass 174	5.1	(7.7)1
176	93.0 - 101.0% of mass 174	63.9	(96.6)1
177	5.0 - 9.0% of mass 176	4.2	(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 200-92213/5	15073_05.D	08/03/2015	19:01
	IC 200-92213/6	15073_06.D	08/03/2015	19:54
	IC 200-92213/7	15073_07.D	08/03/2015	20:46
	IC 200-92213/9	15073_09.D	08/03/2015	22:30
	IC 200-92213/10	15073_10.D	08/03/2015	23:22
	IC 200-92213/11	15073_11.D	08/04/2015	00:14
	IC 200-92213/19	15073_19.D	08/04/2015	10:21
	ICIS 200-92213/20	15073_20.D	08/04/2015	11:14
	ICV 200-92213/24	15073_24.D	08/04/2015	14:48

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab File ID: 15192_01.D BFB Injection Date: 08/10/2015

Instrument ID: CHB.i BFB Injection Time: 10:44

Analysis Batch No.: 92494

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	23.7	
75	30.0 - 66.0% of mass 95	53.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	64.7	
175	4.0 - 9.0 % of mass 174	5.1	(7.8)1
176	93.0 - 101.0% of mass 174	63.1	(97.4)1
177	5.0 - 9.0% of mass 176	4.2	(6.7)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 200-92494/2	15192_02.D	08/10/2015	11:33
	LCS 200-92494/3	15192_03.D	08/10/2015	12:26
	MB 200-92494/4	15192_04.D	08/10/2015	13:18
4387	200-29205-3	15192_07.D	08/10/2015	16:04

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab File ID: 15313_01.D BFB Injection Date: 08/17/2015

Instrument ID: CHX.i BFB Injection Time: 15:35

Analysis Batch No.: 92823

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.1	
75	30.0 - 66.0% of mass 95	39.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	103.8	
175	4.0 - 9.0 % of mass 174	7.5	(7.2)1
176	93.0 - 101.0% of mass 174	101.5	(97.8)1
177	5.0 - 9.0% of mass 176	6.4	(6.3)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 200-92823/4	15313_04.D	08/17/2015	18:04
	IC 200-92823/5	15313_05.D	08/17/2015	18:54
	IC 200-92823/6	15313_06.D	08/17/2015	19:44
	IC 200-92823/7	15313_07.D	08/17/2015	20:33
	ICIS 200-92823/8	15313_08.D	08/17/2015	21:23
	IC 200-92823/9	15313_09.D	08/17/2015	22:13
	IC 200-92823/10	15313_10.D	08/17/2015	23:02
	IC 200-92823/11	15313_11.D	08/17/2015	23:52
	ICV 200-92823/15	15313_15.D	08/18/2015	03:10

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab File ID: 15321_01.D BFB Injection Date: 08/18/2015

Instrument ID: CHX.i BFB Injection Time: 11:23

Analysis Batch No.: 92838

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.3	
75	30.0 - 66.0% of mass 95	40.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	106.7	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	103.2	(96.8)1
177	5.0 - 9.0% of mass 176	6.6	(6.4)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 200-92838/2	15321_02.D	08/18/2015	12:13
	LCS 200-92838/3	15321_03.D	08/18/2015	13:03
	MB 200-92838/4	15321_04.D	08/18/2015	13:53
3609	200-29276-7	15321_19.D	08/19/2015	02:33

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab File ID: 15313_01.D BFB Injection Date: 08/17/2015

Instrument ID: CHX.i BFB Injection Time: 15:35

Analysis Batch No.: 92823

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.1	
75	30.0 - 66.0% of mass 95	39.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	103.8	
175	4.0 - 9.0 % of mass 174	7.5	(7.2)1
176	93.0 - 101.0% of mass 174	101.5	(97.8)1
177	5.0 - 9.0% of mass 176	6.4	(6.3)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 200-92823/4	15313_04.D	08/17/2015	18:04
	IC 200-92823/5	15313_05.D	08/17/2015	18:54
	IC 200-92823/6	15313_06.D	08/17/2015	19:44
	IC 200-92823/7	15313_07.D	08/17/2015	20:33
	ICIS 200-92823/8	15313_08.D	08/17/2015	21:23
	IC 200-92823/9	15313_09.D	08/17/2015	22:13
	IC 200-92823/10	15313_10.D	08/17/2015	23:02
	IC 200-92823/11	15313_11.D	08/17/2015	23:52
	ICV 200-92823/15	15313_15.D	08/18/2015	03:10

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab File ID: 15321_01.D BFB Injection Date: 08/18/2015

Instrument ID: CHX.i BFB Injection Time: 11:23

Analysis Batch No.: 92838

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.3	
75	30.0 - 66.0% of mass 95	40.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	106.7	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	103.2	(96.8)1
177	5.0 - 9.0% of mass 176	6.6	(6.4)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 200-92838/2	15321_02.D	08/18/2015	12:13
	LCS 200-92838/3	15321_03.D	08/18/2015	13:03
	MB 200-92838/4	15321_04.D	08/18/2015	13:53
4432	200-29304-12	15321_20.D	08/19/2015	03:30

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

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Sample No.: ICIS 200-89271/7 Date Analyzed: 06/04/2015 21:04

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

Lab File ID (Standard): 13946_07.D Heated Purge: (Y/N) N

Calibration ID: 30852

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		446162	10.12	2532903	12.11	3113142	18.26
UPPER LIMIT		624627	10.45	3546064	12.44	4358399	18.59
LOWER LIMIT		267697	9.79	1519742	11.78	1867885	17.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-89271/13		441941	10.11	2368245	12.11	3229532	18.26

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29085-1

SDG No.:

Sample No.: CCVIS 200-92567/2 Date Analyzed: 08/11/2015 12:18

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

Lab File ID (Standard): 15221_02.D Heated Purge: (Y/N) N

Calibration ID: 30852

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		480751	10.06	2513533	12.04	2639321	18.18
UPPER LIMIT		673051	10.39	3518946	12.37	3695049	18.51
LOWER LIMIT		288451	9.73	1508120	11.71	1583593	17.85
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-92567/3		429465	10.05	1996442	12.04	2253046	18.18
MB 200-92567/4		435137	10.05	2347020	12.03	2398626	18.18
200-29085-6	5685	469602	10.05	2708883	12.03	2701815	18.18

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29156-1

SDG No.:

Sample No.: ICIS 200-92213/20 Date Analyzed: 08/04/2015 11:14

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

Lab File ID (Standard): 15073_20.D Heated Purge: (Y/N) N

Calibration ID: 31632

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		161513	9.84	875815	11.24	753282	15.33
UPPER LIMIT		226118	10.17	1226141	11.57	1054595	15.66
LOWER LIMIT		96908	9.51	525489	10.91	451969	15.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-92213/24		166747	9.84	898468	11.24	783149	15.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29156-1

SDG No.:

Sample No.: CCVIS 200-92381/2 Date Analyzed: 08/06/2015 11:14

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

Lab File ID (Standard): 15141_02.D Heated Purge: (Y/N) N

Calibration ID: 31632

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		163852	9.84	874026	11.23	752042	15.33
UPPER LIMIT		229393	10.17	1223636	11.56	1052859	15.66
LOWER LIMIT		98311	9.51	524416	10.90	451225	15.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-92381/3		164678	9.83	882209	11.23	765935	15.33
MB 200-92381/4		162181	9.83	888313	11.24	739893	15.33
200-29156-10	2534	153916	9.83	850507	11.23	709463	15.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29205-1

SDG No.:

Sample No.: ICIS 200-92213/20 Date Analyzed: 08/04/2015 11:14

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

Lab File ID (Standard): 15073_20.D Heated Purge: (Y/N) N

Calibration ID: 31632

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		161513	9.84	875815	11.24	753282	15.33
UPPER LIMIT		226118	10.17	1226141	11.57	1054595	15.66
LOWER LIMIT		96908	9.51	525489	10.91	451969	15.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-92213/24		166747	9.84	898468	11.24	783149	15.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29205-1

SDG No.:

Sample No.: CCVIS 200-92494/2 Date Analyzed: 08/10/2015 11:33

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

Lab File ID (Standard): 15192_02.D Heated Purge: (Y/N) N

Calibration ID: 31632

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		168382	9.83	908753	11.24	781816	15.33
UPPER LIMIT		235735	10.16	1272254	11.57	1094542	15.66
LOWER LIMIT		101029	9.50	545252	10.91	469090	15.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-92494/3		162856	9.83	885704	11.24	775033	15.33
MB 200-92494/4		162142	9.83	901980	11.23	757673	15.33
200-29205-3	4387	155554	9.83	859539	11.23	725662	15.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29276-1

SDG No.:

Sample No.: ICIS 200-92823/8 Date Analyzed: 08/17/2015 21:23

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

Lab File ID (Standard): 15313_08.D Heated Purge: (Y/N) N

Calibration ID: 31716

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		178277	10.28	967745	12.27	948006	18.46
UPPER LIMIT		249588	10.61	1354843	12.60	1327208	18.79
LOWER LIMIT		106966	9.95	580647	11.94	568804	18.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-92823/15		188633	10.29	1018364	12.27	989108	18.46

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29276-1

SDG No.:

Sample No.: CCVIS 200-92838/2 Date Analyzed: 08/18/2015 12:13

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

Lab File ID (Standard): 15321_02.D Heated Purge: (Y/N) N

Calibration ID: 31716

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		192824	10.29	1036647	12.27	1025425	18.46
UPPER LIMIT		269954	10.62	1451306	12.60	1435595	18.79
LOWER LIMIT		115694	9.96	621988	11.94	615255	18.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-92838/3		191680	10.29	1037988	12.27	1026945	18.46
MB 200-92838/4		191334	10.28	1056050	12.26	1036444	18.45
200-29276-7	3609	175763	10.29	961791	12.27	940441	18.46

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29304-1

SDG No.:

Sample No.: ICIS 200-92823/8 Date Analyzed: 08/17/2015 21:23

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

Lab File ID (Standard): 15313_08.D Heated Purge: (Y/N) N

Calibration ID: 31716

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		178277	10.28	967745	12.27	948006	18.46
UPPER LIMIT		249588	10.61	1354843	12.60	1327208	18.79
LOWER LIMIT		106966	9.95	580647	11.94	568804	18.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-92823/15		188633	10.29	1018364	12.27	989108	18.46

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29304-1

SDG No.:

Sample No.: CCVIS 200-92838/2 Date Analyzed: 08/18/2015 12:13

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

Lab File ID (Standard): 15321_02.D Heated Purge: (Y/N) N

Calibration ID: 31716

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		192824	10.29	1036647	12.27	1025425	18.46
UPPER LIMIT		269954	10.62	1451306	12.60	1435595	18.79
LOWER LIMIT		115694	9.96	621988	11.94	615255	18.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-92838/3		191680	10.29	1037988	12.27	1026945	18.46
MB 200-92838/4		191334	10.28	1056050	12.26	1036444	18.45
200-29304-12	4432	171464	10.28	940154	12.26	918692	18.46

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = 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.: 200-29085-1

SDG No.:

Client Sample ID: 5685 | Lab Sample ID: 200-29085-6

Matrix: Air | Lab File ID: 15221_24.D

Analysis Method: TO-15 | Date Collected: 07/30/2015 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2015 07:08

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.: 92567 | 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.: 200-29085-1

SDG No.:

Client Sample ID: 5685 | Lab Sample ID: 200-29085-6

Matrix: Air | Lab File ID: 15221_24.D

Analysis Method: TO-15 | Date Collected: 07/30/2015 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2015 07:08

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.: 92567 | 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.: 200-29085-1

SDG No.:

Client Sample ID: 5685 Lab Sample ID: 200-29085-6

Matrix: Air Lab File ID: 15221_24.D

Analysis Method: TO-15 Date Collected: 07/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/12/2015 07:08

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.: 92567 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\20150811-15221.b\15221_24.D
Lims ID: 200-29085-A-6 Lab Sample ID: 200-29085-6
Client ID: 5685
Sample Type: Client
Inject. Date: 12-Aug-2015 07:08:30 ALS Bottle#: 5 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0015221-024
Misc. Info.: 28085-6
Operator ID: wrd Instrument ID: CHG.i

Method: \\ChromNA\Burlington\ChromData\CHG.i\20150811-15221.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 12-Aug-2015 09:50:52 Calib Date: 04-Jun-2015 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20150604-13946.b\13946_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: desjardinsb Date: 12-Aug-2015 09:50:52

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		2.747				ND	
	2 Dichlorodifluoromethane	85		2.811				ND	
	3 Chlorodifluoromethane	51		2.859				ND	
	4 1,2-Dichloro-1,1,2,2-tetra	85		3.068				ND	
	5 Chloromethane	50	3.202	3.191	0.011	98	11113	0.3753	
	6 Butane	43		3.394				ND	
	7 Vinyl chloride	62		3.432				ND	
	8 Butadiene	54		3.507				ND	
	10 Bromomethane	94		4.165				ND	
	11 Chloroethane	64		4.411				ND	
	13 Vinyl bromide	106		4.801				ND	
	14 Trichlorofluoromethane	101		4.924				ND	
	17 Ethanol	45		5.513				ND	
	20 1,1,2-Trichloro-1,2,2-trif	101		6.032				ND	
	21 1,1-Dichloroethene	96		6.053				ND	
	22 Acetone	43		6.288				ND	
	23 Carbon disulfide	76		6.428				ND	
	24 Isopropyl alcohol	45		6.631				ND	
	25 3-Chloro-1-propene	41		6.850				ND	
	27 Methylene Chloride	49	7.150	7.139	0.011	90	3842	0.1051	
	28 2-Methyl-2-propanol	59		7.428				ND	
	31 trans-1,2-Dichloroethene	61		7.604				ND	
	29 Methyl tert-butyl ether	73		7.604				ND	
	33 Hexane	57		8.038				ND	
	34 1,1-Dichloroethane	63		8.482				ND	
	35 Vinyl acetate	43		8.583				ND	
	37 cis-1,2-Dichloroethene	96		9.595				ND	
	38 2-Butanone (MEK)	72		9.653				ND	
S	30 1,2-Dichloroethene, Total	61		9.665				ND	
	39 Ethyl acetate	88		9.728				ND	
*	40 Chlorobromomethane	128	10.049	10.055	-0.006	72	469602	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Tetrahydrofuran	42		10.087				ND	
	42 Chloroform	83		10.199				ND	
	43 Cyclohexane	84		10.472				ND	
	44 1,1,1-Trichloroethane	97		10.477				ND	
	45 Carbon tetrachloride	117		10.739				ND	
	47 Benzene	78		11.183				ND	
	46 Isooctane	57		11.216				ND	
	48 1,2-Dichloroethane	62		11.349				ND	
	49 n-Heptane	43		11.622				ND	
*	50 1,4-Difluorobenzene	114	12.034	12.039	-0.005	92	2708883	10.0	
	53 Trichloroethene	95		12.499				ND	
	54 1,2-Dichloropropane	63		13.029				ND	
	55 Methyl methacrylate	69		13.248				ND	
	57 Dibromomethane	174		13.275				ND	
	56 1,4-Dioxane	88		13.281				ND	
	58 Dichlorobromomethane	83		13.591				ND	
	60 cis-1,3-Dichloropropene	75		14.570				ND	
	61 4-Methyl-2-pentanone (MIBK	43		14.896				ND	
	65 Toluene	92		15.206				ND	
	66 trans-1,3-Dichloropropene	75		15.811				ND	
	67 1,1,2-Trichloroethane	83		16.191				ND	
	68 Tetrachloroethene	166		16.341				ND	
	69 2-Hexanone	43		16.688				ND	
	71 Chlorodibromomethane	129		16.972				ND	
	72 Ethylene Dibromide	107		17.239				ND	
*	74 Chlorobenzene-d5	117	18.181	18.181	0.000	85	2701815	10.0	
	75 Chlorobenzene	112		18.245				ND	
	76 Ethylbenzene	91		18.416				ND	
	78 m-Xylene & p-Xylene	106		18.678				ND	
	79 o-Xylene	106		19.524				ND	
	80 Styrene	104		19.572				ND	
S	73 Xylenes, Total	106		19.600				ND	
	81 Bromoform	173		19.989				ND	
	82 Isopropylbenzene	105		20.251				ND	
	84 1,1,2,2-Tetrachloroethane	83		20.898				ND	
	85 N-Propylbenzene	91		21.000				ND	
	89 2-Chlorotoluene	91		21.193				ND	
	88 4-Ethyltoluene	105		21.198				ND	
	90 1,3,5-Trimethylbenzene	105		21.310				ND	
	92 tert-Butylbenzene	119		21.808				ND	
	93 1,2,4-Trimethylbenzene	105		21.904				ND	
	94 sec-Butylbenzene	105		22.140				ND	
	95 4-Isopropyltoluene	119		22.348				ND	
	96 1,3-Dichlorobenzene	146		22.354				ND	
	97 1,4-Dichlorobenzene	146		22.493				ND	
	98 Benzyl chloride	91		22.680				ND	
	100 n-Butylbenzene	91		22.915				ND	
	101 1,2-Dichlorobenzene	146		23.012				ND	
	103 1,2,4-Trichlorobenzene	180		25.430				ND	
	104 Hexachlorobutadiene	225		25.633				ND	
	105 Naphthalene	128		25.879				ND	

Reagents:

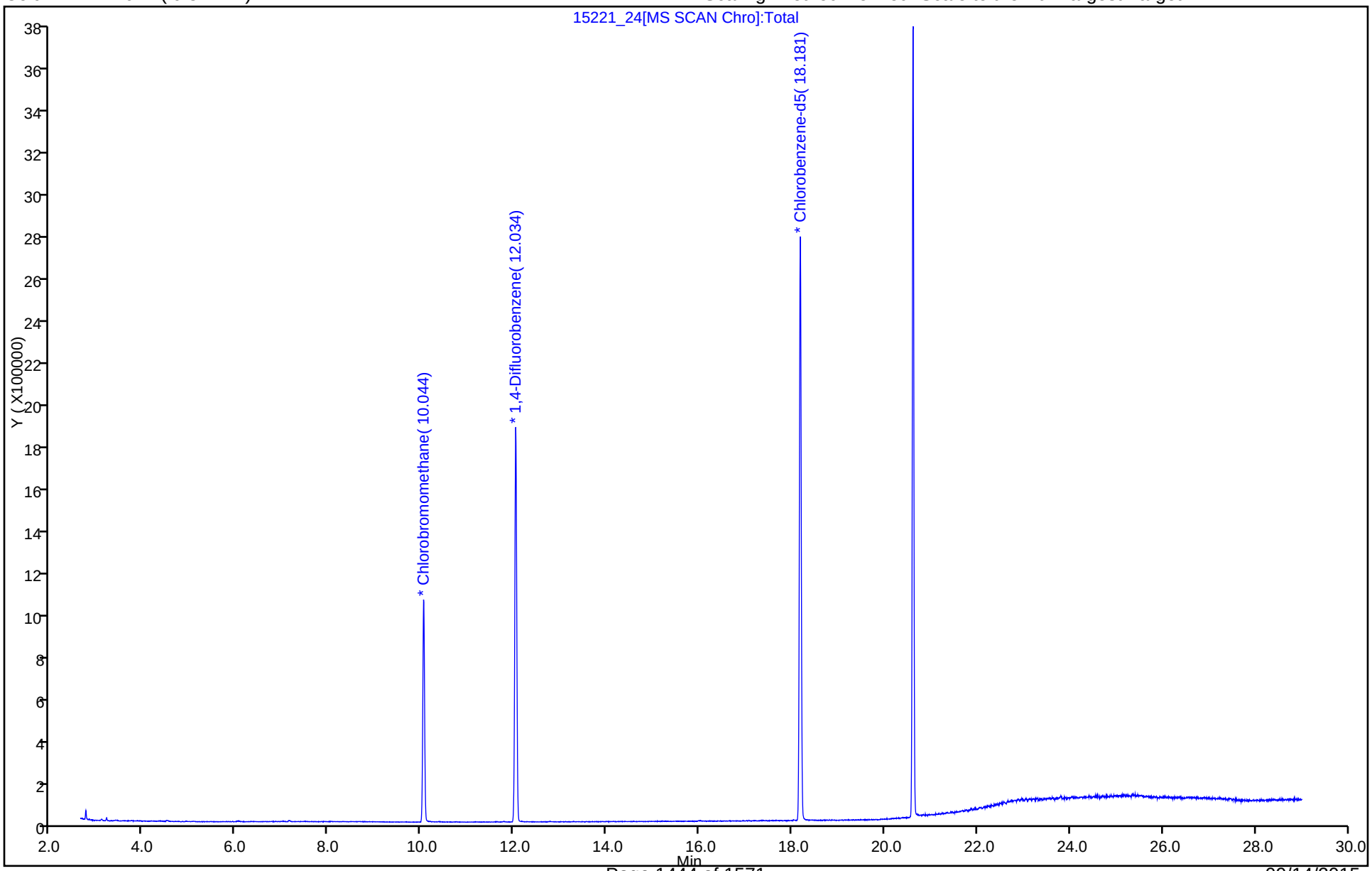
ATTO15GIS_00010 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 12-Aug-2015 09:50:52 Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHG.i\20150811-15221.b\15221_24.D				
Injection Date:	12-Aug-2015 07:08:30	Instrument ID:	CHG.i	Operator ID:	wrd
Lims ID:	200-29085-A-6	Lab Sample ID:	200-29085-6	Worklist Smp#:	24
Client ID:	5685				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
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



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

Lab Name: TestAmerica Burlington | Job No.: 200-29156-1
SDG No.:
Client Sample ID: 2534 | Lab Sample ID: 200-29156-10
Matrix: Air | Lab File ID: 15141_20.D
Analysis Method: TO-15 | Date Collected: 08/03/2015 00:00
Sample wt/vol: 1000(mL) | Date Analyzed: 08/07/2015 03:25
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.: 92381 | 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.: 200-29156-1

SDG No.:

Client Sample ID: 2534 | Lab Sample ID: 200-29156-10

Matrix: Air | Lab File ID: 15141_20.D

Analysis Method: TO-15 | Date Collected: 08/03/2015 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/07/2015 03:25

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.: 92381 | 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.: 200-29156-1

SDG No.:

Client Sample ID: 2534 Lab Sample ID: 200-29156-10

Matrix: Air Lab File ID: 15141_20.D

Analysis Method: TO-15 Date Collected: 08/03/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/07/2015 03:25

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.: 92381 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\CHB.i\20150806-15141.b\15141_20.D
Lims ID: 200-29156-A-10 Lab Sample ID: 200-29156-10
Client ID: 2534
Sample Type: Client
Inject. Date: 07-Aug-2015 03:25:30 ALS Bottle#: 22 Worklist Smp#: 42
Purge Vol: 5.000 mL Dil. Factor: 0.2000
Sample Info: 200-0015141-020
Misc. Info.: 29156-10
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20150806-15141.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2015 14:19:22 Calib Date: 04-Aug-2015 11:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20150803-15073.b\15073_20.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK024

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.165				ND	
2 Dichlorodifluoromethane	85		3.224				ND	
3 Chlorodifluoromethane	51		3.261				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.448				ND	
5 Chloromethane	50		3.581				ND	
6 Butane	43		3.757				ND	
7 Vinyl chloride	62		3.800				ND	
8 Butadiene	54		3.870				ND	
10 Bromomethane	94		4.563				ND	
11 Chloroethane	64		4.798				ND	
13 Vinyl bromide	106		5.214				ND	
14 Trichlorofluoromethane	101		5.310				ND	
16 Ethanol	45		5.785				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.351				ND	
20 1,1-Dichloroethene	96		6.426				ND	
21 Acetone	43		6.591				ND	
22 Isopropyl alcohol	45		6.799				ND	
23 Carbon disulfide	76		6.858				ND	
24 3-Chloro-1-propene	41		7.136				ND	
27 Methylene Chloride	49		7.403				ND	
28 2-Methyl-2-propanol	59		7.499				ND	
29 Methyl tert-butyl ether	73		7.733				ND	
30 trans-1,2-Dichloroethene	61		7.808				ND	
32 Hexane	57		8.128				ND	
33 1,1-Dichloroethane	63		8.555				ND	
34 Vinyl acetate	43		8.561				ND	
36 2-Butanone (MEK)	72		9.452				ND	
35 Ethyl acetate	88		9.457				ND	
37 cis-1,2-Dichloroethene	96		9.463				ND	
* 39 Chlorobromomethane	128	9.826	9.836	-0.010	88	153916	10.0	
38 Tetrahydrofuran	42		9.836				ND	
40 Chloroform	83		9.906				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S	41 1,2-Dichloroethene, Total	61		10.000				ND	
	42 1,1,1-Trichloroethane	97		10.162				ND	
	43 Cyclohexane	84		10.162				ND	
	44 Carbon tetrachloride	117		10.359				ND	
	45 Isooctane	57		10.637				ND	
	46 Benzene	78		10.690				ND	
	47 1,2-Dichloroethane	62		10.802				ND	
	48 n-Heptane	43		10.888				ND	
*	50 1,4-Difluorobenzene	114	11.229	11.234	-0.005	99	850507	10.0	
	53 Trichloroethene	95		11.597				ND	
	54 1,2-Dichloropropane	63		11.982				ND	
	55 Methyl methacrylate	69		12.008				ND	
	56 1,4-Dioxane	88		12.099				ND	
	57 Dibromomethane	174		12.168				ND	
	58 Dichlorobromomethane	83		12.334				ND	
	60 cis-1,3-Dichloropropene	75		12.964				ND	
	61 4-Methyl-2-pentanone (MIBK	43		13.108				ND	
	64 Toluene	92		13.391				ND	
	66 trans-1,3-Dichloropropene	75		13.753				ND	
	67 1,1,2-Trichloroethane	83		14.031				ND	
	68 Tetrachloroethene	166		14.154				ND	
	69 2-Hexanone	43		14.282				ND	
	70 Chlorodibromomethane	129		14.575				ND	
	71 Ethylene Dibromide	107		14.778				ND	
*	72 Chlorobenzene-d5	117	15.328	15.333	-0.005	96	709463	10.0	
	73 Chlorobenzene	112		15.371				ND	
	74 Ethylbenzene	91		15.435				ND	
	76 m-Xylene & p-Xylene	106		15.579				ND	
S	77 Xylenes, Total	106		16.000				ND	
	78 o-Xylene	106		16.091				ND	
	79 Styrene	104		16.112				ND	
	80 Bromoform	173		16.406				ND	
	81 Isopropylbenzene	105		16.497				ND	
	83 1,1,2,2-Tetrachloroethane	83		16.908				ND	
	84 N-Propylbenzene	91		16.972				ND	
	87 4-Ethyltoluene	105		17.094				ND	
	88 2-Chlorotoluene	91		17.142				ND	
	89 1,3,5-Trimethylbenzene	105		17.164				ND	
	91 tert-Butylbenzene	119		17.543				ND	
	92 1,2,4-Trimethylbenzene	105		17.612				ND	
	93 sec-Butylbenzene	105		17.804				ND	
	94 4-Isopropyltoluene	119		17.954				ND	
	95 1,3-Dichlorobenzene	146		18.039				ND	
	96 1,4-Dichlorobenzene	146		18.151				ND	
	97 Benzyl chloride	91		18.306				ND	
	99 n-Butylbenzene	91		18.466				ND	
	100 1,2-Dichlorobenzene	146		18.642				ND	
	103 1,2,4-Trichlorobenzene	180		21.044				ND	
	104 Hexachlorobutadiene	225		21.209				ND	
	105 Naphthalene	128		21.545				ND	

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

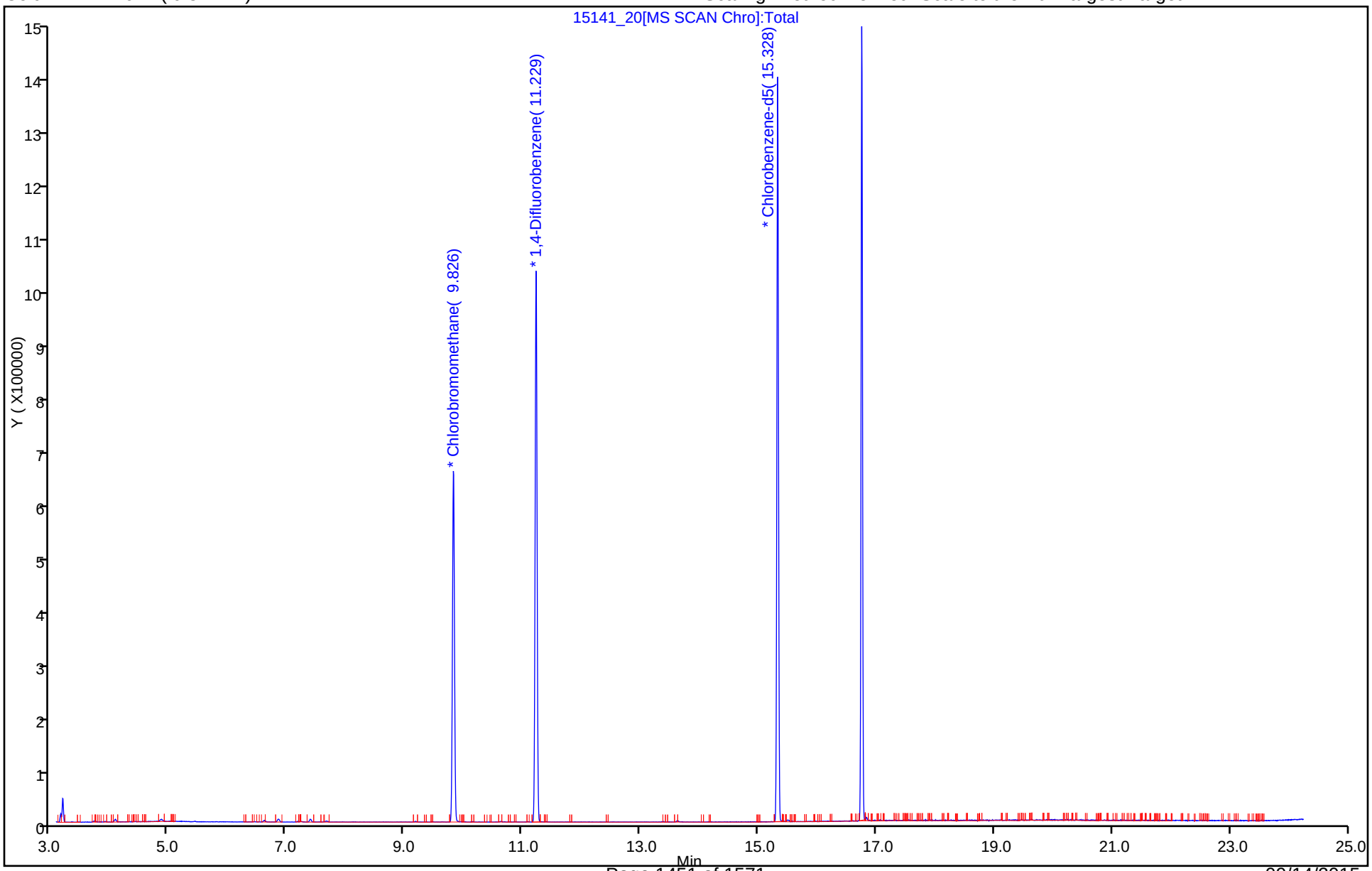
Report Date: 07-Aug-2015 14:19:36 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20150806-15141.b\15141_20.D

Injection Date:	07-Aug-2015 03:25:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-29156-A-10	Lab Sample ID:	200-29156-10	Worklist Smp#:	42
Client ID:	2534				
Purge Vol:	5.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	22
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.: 200-29205-1
SDG No.:
Client Sample ID: 4387 Lab Sample ID: 200-29205-3
Matrix: Air Lab File ID: 15192_07.D
Analysis Method: TO-15 Date Collected: 08/08/2015 00:00
Sample wt/vol: 1000(mL) Date Analyzed: 08/10/2015 16:04
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.: 92494 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.: 200-29205-1

SDG No.:

Client Sample ID: 4387 | Lab Sample ID: 200-29205-3

Matrix: Air | Lab File ID: 15192_07.D

Analysis Method: TO-15 | Date Collected: 08/08/2015 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/10/2015 16:04

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.: 92494 | 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.: 200-29205-1

SDG No.:

Client Sample ID: 4387 Lab Sample ID: 200-29205-3

Matrix: Air Lab File ID: 15192_07.D

Analysis Method: TO-15 Date Collected: 08/08/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/10/2015 16:04

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.: 92494 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\CHB.i\20150810-15192.b\15192_07.D
Lims ID: 200-29205-A-3 Lab Sample ID: 200-29205-3
Client ID: 4387
Sample Type: Client
Inject. Date: 10-Aug-2015 16:04:30 ALS Bottle#: 9 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 0.2000
Sample Info: 200-0015192-007
Misc. Info.: 29205-03
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20150810-15192.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 12-Aug-2015 11:37:17 Calib Date: 04-Aug-2015 11:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20150803-15073.b\15073_20.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1	Propene	41		3.165				ND	
2	Dichlorodifluoromethane	85		3.224				ND	
3	Chlorodifluoromethane	51		3.261				ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.448				ND	
5	Chloromethane	50		3.582				ND	
6	Butane	43		3.758				ND	
7	Vinyl chloride	62		3.800				ND	
8	Butadiene	54		3.864				ND	
10	Bromomethane	94		4.558				ND	
11	Chloroethane	64		4.798				ND	
13	Vinyl bromide	106		5.215				ND	
14	Trichlorofluoromethane	101		5.311				ND	
16	Ethanol	45		5.786				ND	
19	1,1,2-Trichloro-1,2,2-trif	101		6.346				ND	
20	1,1-Dichloroethene	96		6.426				ND	
21	Acetone	43		6.592				ND	
22	Isopropyl alcohol	45		6.800				ND	
23	Carbon disulfide	76		6.858				ND	
24	3-Chloro-1-propene	41		7.136				ND	
27	Methylene Chloride	49		7.403				ND	
28	2-Methyl-2-propanol	59		7.499				ND	
29	Methyl tert-butyl ether	73		7.734				ND	
30	trans-1,2-Dichloroethene	61		7.803				ND	
32	Hexane	57		8.123				ND	
33	1,1-Dichloroethane	63		8.556				ND	
34	Vinyl acetate	43		8.561				ND	
36	2-Butanone (MEK)	72		9.452				ND	
35	Ethyl acetate	88		9.457				ND	
37	cis-1,2-Dichloroethene	96		9.463				ND	
38	Tetrahydrofuran	42		9.831				ND	
* 39	Chlorobromomethane	128	9.826	9.831	-0.005	88	155554	10.0	
40	Chloroform	83		9.906				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S	41 1,2-Dichloroethene, Total	61		10.000				ND	
	42 1,1,1-Trichloroethane	97		10.157				ND	
	43 Cyclohexane	84		10.162				ND	
	44 Carbon tetrachloride	117		10.359				ND	
	45 Isooctane	57		10.637				ND	
	46 Benzene	78		10.690				ND	
	47 1,2-Dichloroethane	62		10.797				ND	
	48 n-Heptane	43		10.882				ND	
*	50 1,4-Difluorobenzene	114	11.229	11.235	-0.006	99	859539	10.0	
	53 Trichloroethene	95		11.598				ND	
	54 1,2-Dichloropropane	63		11.976				ND	
	55 Methyl methacrylate	69		12.009				ND	
	56 1,4-Dioxane	88		12.099				ND	
	57 Dibromomethane	174		12.163				ND	
	58 Dichlorobromomethane	83		12.334				ND	
	60 cis-1,3-Dichloropropene	75		12.958				ND	
	61 4-Methyl-2-pentanone (MIBK	43		13.108				ND	
	64 Toluene	92		13.391				ND	
	66 trans-1,3-Dichloropropene	75		13.754				ND	
	67 1,1,2-Trichloroethane	83		14.026				ND	
	68 Tetrachloroethene	166		14.154				ND	
	69 2-Hexanone	43		14.282				ND	
	70 Chlorodibromomethane	129		14.576				ND	
	71 Ethylene Dibromide	107		14.778				ND	
*	72 Chlorobenzene-d5	117	15.328	15.328	0.000	96	725662	10.0	
	73 Chlorobenzene	112		15.371				ND	
	74 Ethylbenzene	91		15.429				ND	
	76 m-Xylene & p-Xylene	106		15.579				ND	
S	77 Xylenes, Total	106		16.000				ND	
	78 o-Xylene	106		16.086				ND	
	79 Styrene	104		16.113				ND	
	80 Bromoform	173		16.406				ND	
	81 Isopropylbenzene	105		16.497				ND	
	83 1,1,2,2-Tetrachloroethane	83		16.908				ND	
	84 N-Propylbenzene	91		16.972				ND	
	87 4-Ethyltoluene	105		17.095				ND	
	88 2-Chlorotoluene	91		17.137				ND	
	89 1,3,5-Trimethylbenzene	105		17.164				ND	
	91 tert-Butylbenzene	119		17.543				ND	
	92 1,2,4-Trimethylbenzene	105		17.612				ND	
	93 sec-Butylbenzene	105		17.799				ND	
	94 4-Isopropyltoluene	119		17.954				ND	
	95 1,3-Dichlorobenzene	146		18.034				ND	
	96 1,4-Dichlorobenzene	146		18.151				ND	
	97 Benzyl chloride	91		18.306				ND	
	99 n-Butylbenzene	91		18.466				ND	
	100 1,2-Dichlorobenzene	146		18.642				ND	
	103 1,2,4-Trichlorobenzene	180		21.044				ND	
	104 Hexachlorobutadiene	225		21.204				ND	
	105 Naphthalene	128		21.540				ND	

Reagents:

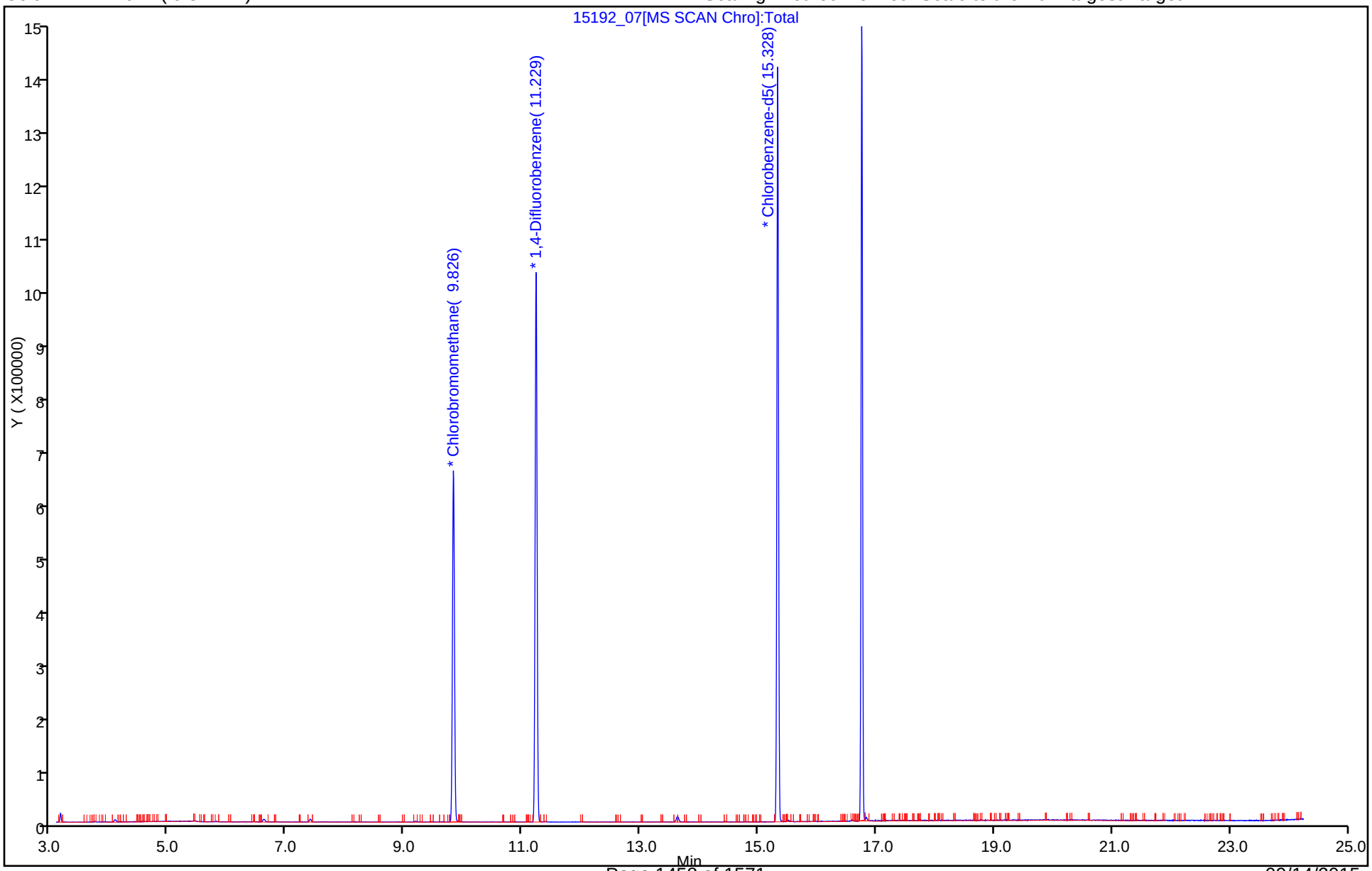
ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20150810-15192.b\15192_07.D

Injection Date:	10-Aug-2015 16:04:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-29205-A-3	Lab Sample ID:	200-29205-3	Worklist Smp#:	7
Client ID:	4387				
Purge Vol:	5.000 mL	Dil. Factor:	0.2000	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



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

Lab Name: TestAmerica Burlington | Job No.: 200-29276-1

SDG No.:

Client Sample ID: 3609 | Lab Sample ID: 200-29276-7

Matrix: Air | Lab File ID: 15321_19.D

Analysis Method: TO-15 | Date Collected: 08/13/2015 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/19/2015 02:33

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.: 92838 | 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.: 200-29276-1
SDG No.:
Client Sample ID: 3609 | Lab Sample ID: 200-29276-7
Matrix: Air | Lab File ID: 15321_19.D
Analysis Method: TO-15 | Date Collected: 08/13/2015 00:00
Sample wt/vol: 1000(mL) | Date Analyzed: 08/19/2015 02:33
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.: 92838 | 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.: 200-29276-1
SDG No.:
Client Sample ID: 3609 Lab Sample ID: 200-29276-7
Matrix: Air Lab File ID: 15321_19.D
Analysis Method: TO-15 Date Collected: 08/13/2015 00:00
Sample wt/vol: 1000(mL) Date Analyzed: 08/19/2015 02:33
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.: 92838 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\CHX.i\20150818-15321.b\15321_19.D
Lims ID: 200-29276-A-7 Lab Sample ID: 200-29276-7
Client ID: 3609
Sample Type: Client
Inject. Date: 19-Aug-2015 02:33:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0015321-019
Misc. Info.: 29276-07
Operator ID: pad Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 13:27:09 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 19-Aug-2015 13:18:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.092				ND	
2 Dichlorodifluoromethane	85		3.161				ND	
3 Chlorodifluoromethane	51		3.209				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.423				ND	
5 Chloromethane	50		3.563				ND	
6 Butane	43		3.761				ND	
7 Vinyl chloride	62		3.803				ND	
8 Butadiene	54		3.878				ND	
9 Bromomethane	94		4.547				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101		5.248				ND	
15 Ethanol	45		5.809				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.291				ND	
20 1,1-Dichloroethene	96		6.344				ND	
21 Acetone	43		6.591				ND	
22 Carbon disulfide	76		6.740				ND	
23 Isopropyl alcohol	45		6.869				ND	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.414	7.409	0.005	85	2159	0.1667	
28 2-Methyl-2-propanol	59		7.644				ND	
29 Methyl tert-butyl ether	73		7.805				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.709				ND	
34 Vinyl acetate	43		8.773				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72		9.865				ND	
37 Ethyl acetate	88		9.891				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42		10.287				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	40 Chlorobromomethane	128	10.287	10.287	0.000	81	175763	10.0	
	41 Chloroform	83		10.410				ND	
	42 Cyclohexane	84		10.651				ND	
	43 1,1,1-Trichloroethane	97		10.688				ND	
	44 Carbon tetrachloride	117		10.934				ND	
	45 Isooctane	57		11.362				ND	
	46 Benzene	78		11.416				ND	
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43		11.748				ND	
*	50 1,4-Difluorobenzene	114	12.267	12.267	0.000	92	961791	10.0	
	52 Trichloroethene	95		12.748				ND	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88		13.561				ND	
	56 Dibromomethane	174	13.615	13.609	0.006	1	299	0.008788	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43		15.182				ND	
	62 Toluene	92		15.482				ND	
	67 trans-1,3-Dichloropropene	75		16.102				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.589				ND	
	70 2-Hexanone	43		16.948				ND	
	71 Chlorodibromomethane	129		17.274				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	940441	10.0	
	74 Chlorobenzene	112		18.520				ND	
	75 Ethylbenzene	91		18.659				ND	
	77 m-Xylene & p-Xylene	106		18.911				ND	
	78 o-Xylene	106		19.729				ND	
	79 Styrene	104		19.778				ND	
S	80 Xylenes, Total	106		20.000				ND	
	81 Bromoform	173		20.189				ND	
	82 Isopropylbenzene	105		20.361				ND	
	85 1,1,2,2-Tetrachloroethane	83		20.992				ND	
	86 N-Propylbenzene	91		21.045				ND	
	89 4-Ethyltoluene	105		21.227				ND	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105		21.324				ND	
	93 tert-Butylbenzene	119		21.800				ND	
	94 1,2,4-Trimethylbenzene	105		21.891				ND	
	95 sec-Butylbenzene	105		22.115				ND	
	96 4-Isopropyltoluene	119		22.308				ND	
	97 1,3-Dichlorobenzene	146		22.356				ND	
	98 1,4-Dichlorobenzene	146		22.495				ND	
	99 Benzyl chloride	91		22.698				ND	
	101 n-Butylbenzene	91		22.902				ND	
	102 1,2-Dichlorobenzene	146		23.052				ND	
	104 1,2,4-Trichlorobenzene	180		25.689				ND	
	105 Hexachlorobutadiene	225		25.871				ND	
	106 Naphthalene	128		26.219				ND	

Reagents:

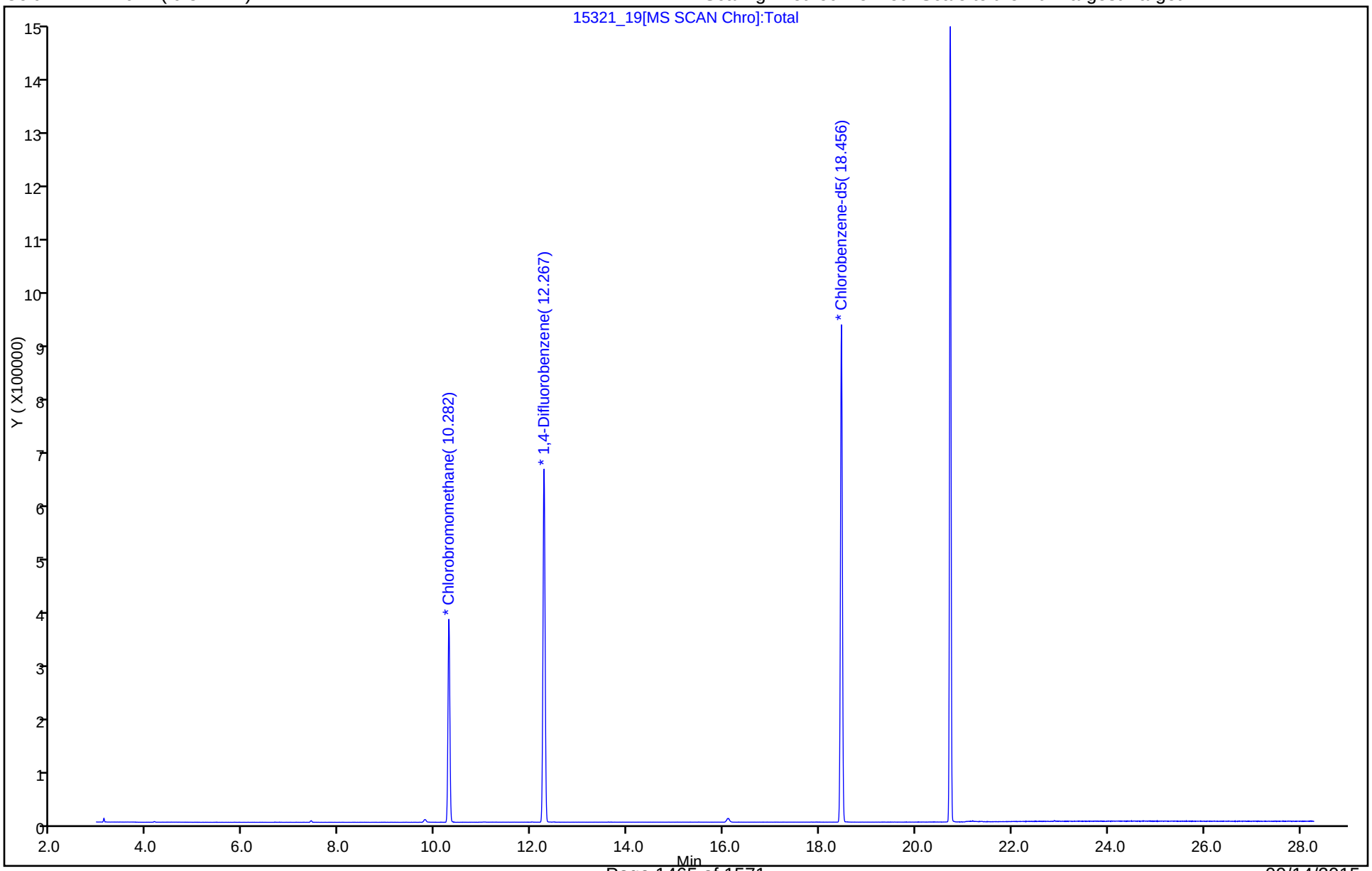
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\15321_19.D

Injection Date:	19-Aug-2015 02:33:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	200-29276-A-7	Lab Sample ID:	200-29276-7	Worklist Smp#:	19
Client ID:	3609				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	18
Method:	TO15_LLNJ_TO3_CHX.i.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.: 200-29304-1

SDG No.:

Client Sample ID: 4432 | Lab Sample ID: 200-29304-12

Matrix: Air | Lab File ID: 15321_20.D

Analysis Method: TO-15 | Date Collected: 08/15/2015 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/19/2015 03:30

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.: 92838 | 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.: 200-29304-1
SDG No.:
Client Sample ID: 4432 | Lab Sample ID: 200-29304-12
Matrix: Air | Lab File ID: 15321_20.D
Analysis Method: TO-15 | Date Collected: 08/15/2015 00:00
Sample wt/vol: 1000(mL) | Date Analyzed: 08/19/2015 03:30
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.: 92838 | 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.: 200-29304-1

SDG No.:

Client Sample ID: 4432 Lab Sample ID: 200-29304-12

Matrix: Air Lab File ID: 15321_20.D

Analysis Method: TO-15 Date Collected: 08/15/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/19/2015 03:30

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.: 92838 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\CHX.i\20150818-15321.b\15321_20.D
Lims ID: 200-29304-A-12 Lab Sample ID: 200-29304-12
Client ID: 4432
Sample Type: Client
Inject. Date: 19-Aug-2015 03:30:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0015321-020
Misc. Info.: 29304-12
Operator ID: pad Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Aug-2015 13:27:09 Calib Date: 17-Aug-2015 23:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20150817-15313.b\15313_11.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: daiglep Date: 19-Aug-2015 13:19:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.092				ND	
2 Dichlorodifluoromethane	85		3.161				ND	
3 Chlorodifluoromethane	51		3.209				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.423				ND	
5 Chloromethane	50		3.563				ND	
6 Butane	43		3.761				ND	
7 Vinyl chloride	62		3.803				ND	
8 Butadiene	54		3.878				ND	
9 Bromomethane	94		4.547				ND	
10 Chloroethane	64		4.777				ND	
12 Vinyl bromide	106		5.157				ND	
13 Trichlorofluoromethane	101		5.248				ND	
15 Ethanol	45		5.809				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.291				ND	
20 1,1-Dichloroethene	96		6.344				ND	
21 Acetone	43	6.617	6.591	0.027	89	46331	3.09	
22 Carbon disulfide	76		6.740				ND	
23 Isopropyl alcohol	45		6.869				ND	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.420	7.409	0.011	84	2151	0.1702	
28 2-Methyl-2-propanol	59		7.644				ND	
29 Methyl tert-butyl ether	73		7.805				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.709				ND	
34 Vinyl acetate	43		8.773				ND	
35 cis-1,2-Dichloroethene	96		9.816				ND	
36 2-Butanone (MEK)	72		9.865				ND	
37 Ethyl acetate	88		9.891				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42		10.287				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	40 Chlorobromomethane	128	10.282	10.287	-0.005	78	171464	10.0	
	41 Chloroform	83		10.410				ND	
	42 Cyclohexane	84		10.651				ND	
	43 1,1,1-Trichloroethane	97		10.688				ND	
	44 Carbon tetrachloride	117		10.934				ND	
	45 Isooctane	57		11.362				ND	
	46 Benzene	78		11.416				ND	
	47 1,2-Dichloroethane	62		11.609				ND	
	48 n-Heptane	43		11.748				ND	
*	50 1,4-Difluorobenzene	114	12.261	12.267	-0.006	92	940154	10.0	
	52 Trichloroethene	95		12.748				ND	
	53 1,2-Dichloropropane	63		13.336				ND	
	54 Methyl methacrylate	69		13.492				ND	
	55 1,4-Dioxane	88		13.561				ND	
	56 Dibromomethane	174		13.609				ND	
	57 Dichlorobromomethane	83		13.909				ND	
	58 cis-1,3-Dichloropropene	75		14.877				ND	
	61 4-Methyl-2-pentanone (MIBK	43		15.182				ND	
	62 Toluene	92		15.482				ND	
	67 trans-1,3-Dichloropropene	75		16.102				ND	
	68 1,1,2-Trichloroethane	83		16.487				ND	
	69 Tetrachloroethene	166		16.589				ND	
	70 2-Hexanone	43		16.948				ND	
	71 Chlorodibromomethane	129		17.274				ND	
	72 Ethylene Dibromide	107		17.552				ND	
*	73 Chlorobenzene-d5	117	18.456	18.456	0.000	82	918692	10.0	
	74 Chlorobenzene	112		18.520				ND	
	75 Ethylbenzene	91		18.659				ND	
	77 m-Xylene & p-Xylene	106		18.911				ND	
	78 o-Xylene	106		19.729				ND	
	79 Styrene	104		19.778				ND	
S	80 Xylenes, Total	106		20.000				ND	
	81 Bromoform	173		20.189				ND	
	82 Isopropylbenzene	105		20.361				ND	
	85 1,1,2,2-Tetrachloroethane	83		20.992				ND	
	86 N-Propylbenzene	91		21.045				ND	
	89 4-Ethyltoluene	105		21.227				ND	
	90 2-Chlorotoluene	91		21.243				ND	
	91 1,3,5-Trimethylbenzene	105		21.324				ND	
	93 tert-Butylbenzene	119		21.800				ND	
	94 1,2,4-Trimethylbenzene	105		21.891				ND	
	95 sec-Butylbenzene	105		22.115				ND	
	96 4-Isopropyltoluene	119		22.308				ND	
	97 1,3-Dichlorobenzene	146		22.356				ND	
	98 1,4-Dichlorobenzene	146		22.495				ND	
	99 Benzyl chloride	91		22.698				ND	
	101 n-Butylbenzene	91		22.902				ND	
	102 1,2-Dichlorobenzene	146		23.052				ND	
	104 1,2,4-Trichlorobenzene	180		25.689				ND	
	105 Hexachlorobutadiene	225		25.871				ND	
	106 Naphthalene	128		26.219				ND	

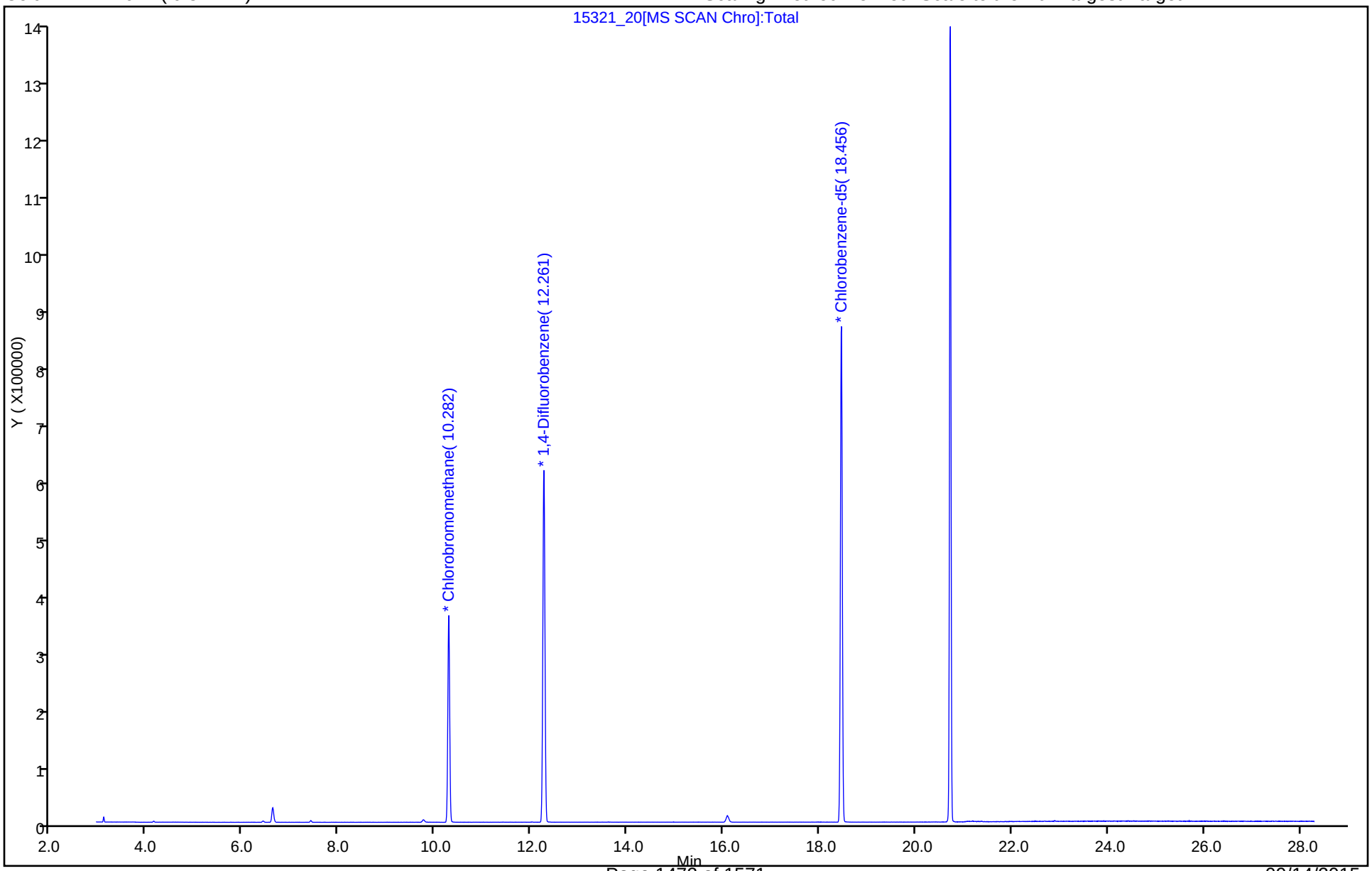
Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20150818-15321.b\15321_20.D				
Injection Date:	19-Aug-2015 03:30:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	200-29304-A-12	Lab Sample ID:	200-29304-12	Worklist Smp#:	20
Client ID:	4432				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	19
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

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



Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-89271/3	13946_03.D
Level 2	IC 200-89271/4	13946_04.D
Level 3	IC 200-89271/5	13946_05.D
Level 4	IC 200-89271/6	13946_06.D
Level 5	ICIS 200-89271/7	13946_07.D
Level 6	IC 200-89271/8	13946_08.D
Level 7	IC 200-89271/9	13946_09.D
Level 8	IC 200-89271/10	13946_10.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	+++++ 0.4725	+++++ 0.4624	+++++ 0.5296	0.4801	0.4693	Ave		0.4828				5.6		30.0			
Dichlorodifluoromethane	+++++ 3.1685	+++++ 3.1080	3.3234 3.4889	3.2256	3.1159	Ave		3.2384				4.5		30.0			
Freon 22	+++++ 1.2832	+++++ 1.2549	1.4323 1.5048	1.3302	1.2424	Ave		1.3413				7.9		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.3488	2.2847 2.2921	2.5813 2.6346	2.4620	2.3465	Ave		2.4214				5.8		30.0			
Chloromethane	+++++ 0.5943	+++++ 0.5855	0.7011 0.6899	0.6206	0.5916	Ave		0.6305				8.2		30.0			
n-Butane	+++++ 0.7920	+++++ 0.7850	0.9681 0.9238	0.8102	0.7828	Ave		0.8436				9.6		30.0			
Vinyl chloride	0.6602 0.6938	0.6270 0.6852	0.8027 0.8099	0.7047	0.6963	Ave		0.7100				9.1		30.0			
1,3-Butadiene	+++++ 0.4446	0.4422 0.4433	0.4560 0.5247	0.4546	0.4536	Ave		0.4599				6.3		30.0			
Bromomethane	+++++ 0.9114	0.8887 0.9014	1.0049 1.0854	0.9616	0.9100	Ave		0.9519				7.5		30.0			
Chloroethane	+++++ 0.2496	+++++ 0.2484	0.2774 0.3005	0.2538	0.2476	Ave		0.2629				8.2		30.0			
Isopentane	+++++ 0.4831	0.7048 0.4808	0.6050 0.5706	0.5102	0.4724	Ave		0.5467				15.7		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0034	1.0339 0.9957	1.0596 1.1768	1.0212	0.9933	Ave		1.0406				6.2		30.0			
Trichlorofluoromethane	+++++ 3.1521	3.2172 3.1070	3.3752 3.6441	3.2206	3.1376	Ave		3.2648				5.8		30.0			
n-Pentane	+++++ 0.7784	+++++ 0.7827	0.8731 0.9138	0.8107	0.7748	Ave		0.8222				7.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	+++++ 0.2099	+++++ 0.2106	0.2031 0.2450	0.2182	0.1949	Ave		0.2136				8.1		30.0			
Ethyl ether	+++++ 0.3330	0.3260 0.3386	0.3366 0.3956	0.3510	0.3365	Ave		0.3453				6.8		30.0			
Acrolein	+++++ 0.1627	+++++ 0.1567	+++++ 0.1943	0.1593	0.1617	Ave		0.1669				9.3		30.0			
Freon TF	+++++ 1.7791	1.8751 1.7513	1.9227 2.0470	1.8455	1.7730	Ave		1.8563				5.6		30.0			
1,1-Dichloroethene	+++++ 0.7264	0.8322 0.7151	0.7721 0.8358	0.7440	0.7236	Ave		0.7642				6.7		30.0			
Acetone	+++++ 0.8059	+++++ 0.8131	+++++ 0.9600	0.8988	0.8233	Ave		0.8602				7.8		30.0			
Carbon disulfide	+++++ 1.8909	+++++ 1.8978	2.0061 2.2693	1.9754	1.8869	Ave		1.9877				7.4		30.0			
Isopropyl alcohol	+++++ 0.6692	+++++ 0.6405	+++++ 0.7729	0.6893	0.6630	Ave		0.6870				7.4		30.0			
3-Chloropropene	+++++ 0.6131	0.5813 0.6046	0.6197 0.7267	0.6178	0.5942	Ave		0.6225				7.7		30.0			
Acetonitrile	+++++ 0.3166	+++++ 0.3230	+++++ 0.3809	0.3407	0.3300	Ave		0.3382				7.5		30.0			
Methylene Chloride	+++++ 0.7381	+++++ 0.7195	0.9021 0.8437	0.7414	0.7259	Ave		0.7784				9.7		30.0			
tert-Butyl alcohol	+++++ 1.0600	+++++ 1.0083	+++++ 1.2438	1.0825	1.0531	Ave		1.0896				8.3		30.0			
Methyl tert-butyl ether	+++++ 1.8227	1.7971 1.8724	1.9396 2.1657	1.8917	1.8273	Ave		1.9024				6.6		30.0			
trans-1,2-Dichloroethene	+++++ 0.9711	0.8980 0.9472	0.9699 1.1025	1.0093	0.9586	Ave		0.9795				6.5		30.0			
Acrylonitrile	+++++ 0.3319	+++++ 0.3328	0.3178 0.4066	0.3324	0.3334	Ave		0.3425				9.3		30.0			
n-Hexane	+++++ 0.6995	0.8550 0.7053	0.7699 0.8295	0.7060	0.6930	Ave		0.7512				9.0		30.0			
1,1-Dichloroethane	1.4770 1.2631	1.2879 1.2558	1.2870 1.4839	1.2653	1.2540	Ave		1.3217				7.5		30.0			
Vinyl acetate	+++++ 1.4033	+++++ 1.4188	+++++ 1.6926	1.3984	1.3783	Ave		1.4583				9.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.9532	0.8964 0.9431	0.9818 1.1093	0.9570	0.9331	Ave		0.9677				7.0		30.0			
Methyl Ethyl Ketone	+++++ 0.2906	+++++ 0.3035	0.2959 0.3466	0.2991	0.2920	Ave		0.3046				6.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	+++++ 0.0429	+++++ 0.0417	+++++ 0.0480	0.0440	0.0414	Ave		0.0436				6.1		30.0			
Tetrahydrofuran	+++++ 0.1115	+++++ 0.1134	+++++ 0.1355	0.1154	0.1099	Ave		0.1171				8.9		30.0			
Chloroform	+++++ 2.3505	2.3681 2.3115	2.4819 2.7217	2.4145	2.3350	Ave		2.4262				5.9		30.0			
Cyclohexane	+++++ 0.1819	0.1886 0.1766	0.2020 0.2076	0.1919	0.1736	Ave		0.1889				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.5100	0.5024 0.5009	0.5370 0.5958	0.5273	0.4893	Ave		0.5232				6.9		30.0			
Carbon tetrachloride	0.5414 0.6437	0.5538 0.6275	0.6378 0.7557	0.6521	0.6066	Ave		0.6273				10.6		30.0			
Benzene	+++++ 0.5030	0.5556 0.4913	0.5512 0.5774	0.5317	0.4907	Ave		0.5287				6.5		30.0			
2,2,4-Trimethylpentane	+++++ 0.6765	0.6427 0.6514	0.7275 0.7560	0.7037	0.6439	Ave		0.6860				6.5		30.0			
1,2-Dichloroethane	+++++ 0.3225	0.2975 0.3161	0.3335 0.3848	0.3263	0.3075	Ave		0.3269				8.6		30.0			
n-Heptane	+++++ 0.2605	0.2801 0.2553	0.2894 0.2974	0.2685	0.2521	Ave		0.2719				6.4		30.0			
n-Butanol	+++++ 0.0765	+++++ 0.0732	+++++ 0.0914	0.0794	0.0712	Ave		0.0783				10.2		30.0			
Trichloroethene	0.3778 0.3478	0.3475 0.3376	0.3693 0.4008	0.3579	0.3330	Ave		0.3590				6.3		30.0			
1,2-Dichloropropane	+++++ 0.2504	0.2458 0.2451	0.2638 0.2885	0.2599	0.2395	Ave		0.2561				6.5		30.0			
Methyl methacrylate	+++++ 0.2056	+++++ 0.2112	0.1892 0.2380	0.2108	0.1994	Ave		0.2090				7.8		30.0			
1,4-Dioxane	+++++ 0.1018	+++++ 0.0931	+++++ 0.1034	0.1241	0.1017	Ave		0.1048				11.0		30.0			
Dibromomethane	+++++ 0.4681	0.4325 0.4576	0.4725 0.5566	0.4705	0.4453	Ave		0.4719				8.5		30.0			
Bromodichloromethane	+++++ 0.7688	0.6472 0.7565	0.7255 0.9000	0.7783	0.7309	Ave		0.7582				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.5164	0.4355 0.5124	0.4933 0.6215	0.5119	0.4851	Ave		0.5109				11.0		30.0			
methyl isobutyl ketone	+++++ 0.5960	+++++ 0.5854	0.5289 0.7020	0.6182	0.5747	Ave		0.6009				9.6		30.0			
Toluene	+++++ 0.4969	0.4940 0.5152	0.5288 0.6075	0.5309	0.4983	Ave		0.5245				7.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	+++++ 0.6218	0.6139 0.6002	0.6285 0.6818	0.6427	0.5951	Ave		0.6263				4.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.5528	0.4518 0.5497	0.4896 0.6782	0.5453	0.5204	Ave		0.5411				13.1		30.0			
1,1,2-Trichloroethane	+++++ 0.2748	0.2694 0.2837	0.2818 0.3291	0.2984	0.2749	Ave		0.2874				7.2		30.0			
Tetrachloroethene	0.5822 0.5457	0.5030 0.5704	0.5801 0.7080	0.5715	0.5311	Ave		0.5740				10.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4544	+++++ 0.4649	0.4184 0.5592	0.4933	0.4606	Ave		0.4751				10.0		30.0			
Dibromochloromethane	+++++ 0.7576	0.5810 0.7947	0.6711 0.9548	0.7833	0.7429	Ave		0.7551				15.3		30.0			
1,2-Dibromoethane	+++++ 0.5481	0.4878 0.5694	0.5364 0.6812	0.5912	0.5428	Ave		0.5653				10.7		30.0			
Chlorobenzene	+++++ 0.6950	0.6411 0.7300	0.7466 0.8738	0.7504	0.6894	Ave		0.7323				10.0		30.0			
Ethylbenzene	+++++ 1.0827	0.9992 1.1329	1.1590 1.3059	1.1898	1.0937	Ave		1.1376				8.5		30.0			
n-Nonane	+++++ 0.4520	0.3771 0.4610	0.4917 0.5123	0.4868	0.4561	Ave		0.4624				9.4		30.0			
m,p-Xylene	+++++ 0.4227	0.3942 0.4436	0.4607 0.5012	0.4659	0.4259	Ave		0.4449				7.8		30.0			
Xylene, o-	+++++ 0.4386	0.3974 0.4628	0.4677 0.5340	0.4794	0.4423	Ave		0.4603				9.1		30.0			
Styrene	+++++ 0.6432	0.4734 0.6869	0.5717 0.8149	0.6845	0.6455	Ave		0.6457				16.4		30.0			
Bromoform	+++++ 0.8256	0.5049 0.8694	0.5863 1.0518	0.8262	0.8002	Ave		0.7806				23.4		30.0			
Cumene	+++++ 1.2269	1.1689 1.2958	1.3125 1.4647	1.3475	1.2478	Ave		1.2949				7.4		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6780	0.6614 0.7127	0.7277 0.7662	0.7679	0.7013	Ave		0.7164				5.7		30.0			
1,2,3-Trichloropropane	+++++ 0.4861	+++++ 0.4984	0.5734 0.5096	0.5681	0.5104	Ave		0.5243				7.1		30.0			
n-Propylbenzene	+++++ 1.4041	1.3156 1.4434	1.5056 1.4894	1.5877	1.4504	Ave		1.4566				5.8		30.0			
2-Chlorotoluene	+++++ 0.9899	0.9866 1.0041	1.1253 1.0189	1.1476	1.0318	Ave		1.0435				6.3		30.0			
4-Ethyltoluene	+++++ 1.1300	1.0567 1.1706	1.2214 1.1944	1.2799	1.1729	Ave		1.1751				6.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	+++++ 0.4929	+++++ 0.5083	0.5355 0.4914	0.5611	0.5143	Ave		0.5173				5.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0300	0.8980 1.0989	1.0668 1.2158	1.1143	1.0435	Ave		1.0667				9.0		30.0			
Alpha Methyl Styrene	+++++ 0.5258	0.3678 0.5719	0.4385 0.6632	0.5426	0.5269	Ave		0.5195				18.2		30.0			
tert-Butylbenzene	+++++ 0.9683	0.8759 1.0398	1.0255 1.1699	1.0541	0.9840	Ave		1.0168				8.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0203	0.8258 1.0942	1.0375 1.1975	1.1242	1.0375	Ave		1.0481				11.1		30.0			
sec-Butylbenzene	+++++ 1.4258	1.2414 1.5248	1.4678 1.6279	1.5637	1.4519	Ave		1.4719				8.4		30.0			
4-Isopropyltoluene	+++++ 1.1716	1.0101 1.2598	1.1824 1.3046	1.2929	1.2036	Ave		1.2036				8.3		30.0			
1,3-Dichlorobenzene	+++++ 0.7807	0.6958 0.8337	0.7427 0.9138	0.8374	0.7823	Ave		0.7981				8.9		30.0			
1,4-Dichlorobenzene	+++++ 0.7771	0.6709 0.8463	0.7399 0.9833	0.8252	0.7771	Ave		0.8028				12.2		30.0			
Benzyl chloride	+++++ 0.9612	0.6427 1.0477	0.7498 1.1900	1.0134	0.9551	Ave		0.9371				19.7		30.0			
n-Butylbenzene	+++++ 1.0787	0.8954 1.1697	1.0293 1.2133	1.1836	1.1056	Ave		1.0965				10.0		30.0			
n-Undecane	+++++ 0.4977	+++++ 0.5529	+++++ 0.5577	0.5688	0.5150	Ave		0.5384				5.7		30.0			
1,2-Dichlorobenzene	+++++ 0.7506	0.6552 0.8162	0.7020 0.9480	0.7925	0.7504	Ave		0.7736				12.1		30.0			
n-Dodecane	+++++ 0.4004	+++++ 0.4302	+++++ 0.1886	0.4822	0.4289	Ave		0.3861				29.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5742	+++++ 0.6597	0.3779 0.4894	0.6100	0.5933	Ave		0.5508				18.4		30.0			
Hexachlorobutadiene	+++++ 0.5898	0.4878 0.6766	0.5411 0.4538	0.5902	0.6044	Ave		0.5634				13.4		30.0			
Naphthalene	+++++ 1.0424	+++++ 1.2237	0.4455 0.8571	1.1351	1.1091	Ave		0.9688				29.3		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5051	0.4313 0.5607	0.3461 0.2965	0.5357	0.5239	Ave		0.4570				22.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-89271/3	13946_03.D
Level 2	IC 200-89271/4	13946_04.D
Level 3	IC 200-89271/5	13946_05.D
Level 4	IC 200-89271/6	13946_06.D
Level 5	ICIS 200-89271/7	13946_07.D
Level 6	IC 200-89271/8	13946_08.D
Level 7	IC 200-89271/9	13946_09.D
Level 8	IC 200-89271/10	13946_10.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	+++++ 317855	+++++ 425739	+++++ 947146	102069	209361	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2131555	+++++ 2861503	71163 6239227	685695	1389932	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 863223	+++++ 1155347	30669 2690965	282779	554212	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1580109	19783 2110308	55272 4711438	523380	1046699	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 399806	+++++ 539094	15013 1233834	131923	263877	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 532769	+++++ 722699	20730 1651982	172241	349187	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1164 466734	5429 630817	17188 1448425	149800	310597	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 299089	3829 408111	9765 938342	96648	202331	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 613131	7695 829868	21518 1941090	204421	405946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 167886	+++++ 228695	5939 537379	53953	110435	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 324971	6103 442659	12955 1020477	108457	210737	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 675044	8952 916768	22689 2104410	217093	443103	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2120510	27857 2860591	72272 6516806	684639	1399626	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 523622	+++++ 720610	18695 1634128	172346	345607	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 188648	+++++ 387771	43549 1095366	92847	130480	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	+++++ 224025	2823 311772	7208 707492	74617	150095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 109433	+++++ 144252	+++++ 347419	33857	72137	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1196836	16236 1612411	41169 3660748	392319	790911	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 488654	7206 658386	16533 1494692	158156	322777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 542135	+++++ 748576	+++++ 1716837	191056	367269	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1272029	+++++ 1747319	42956 4058146	419937	841685	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 450161	+++++ 589672	+++++ 1382223	146524	295759	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 412426	5033 556643	13269 1299610	131339	265063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 212963	+++++ 297421	+++++ 681225	72420	147220	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 496530	+++++ 662421	19316 1508804	157597	323812	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 713079	+++++ 928337	+++++ 2224363	230124	469775	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1226144	15561 1723881	41531 3872995	402144	815094	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 653299	7776 872058	20768 1971628	214559	427597	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 223296	+++++ 306397	6805 727070	70669	148714	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 470538	7403 649408	16485 1483322	150089	309117	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2604 849703	11152 1156163	27557 2653741	268970	559368	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 944036	+++++ 1306234	+++++ 3026961	297278	614831	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 641211	7762 868275	21022 1983730	203430	416253	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 195505	+++++ 279473	6335 619747	63573	130275	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 28851	+++++ 38434	+++++ 85833	9353	18468	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 408532	+++++ 574030	+++++ 1295699	133939	278414	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	+++++ 1581216	20505 2128189	53144 4867235	513282	1041566	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 666670	9276 894094	23649 1985235	222672	439693	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1868896	24715 2535628	62858 5697000	611862	1239175	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	5555 2358735	27243 3176398	74658 7226532	756736	1536048	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1843031	27333 2487241	64523 5521401	616934	1242738	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2478808	31616 3297511	85168 7229710	816544	1630617	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1181590	14636 1600384	39036 3679321	378657	778840	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 954635	13780 1292525	33878 2844328	311571	638542	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 280367	+++++ 370325	+++++ 874462	92124	180193	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	3876 1274362	17096 1709052	43227 3832959	415329	843201	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 917378	12089 1240541	30877 2758467	301625	606629	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 753420	+++++ 1069167	22143 2275724	244623	504916	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 373210	+++++ 471401	+++++ 988550	143993	257442	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1715097	21276 2316702	55308 5322339	545947	1127730	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2816978	31837 3829710	84926 8606689	903135	1850985	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1892074	21421 2593814	57742 5943658	594033	1228543	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2184007	+++++ 2963446	61917 6712846	717371	1455481	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2348846	31006 3188999	75590 7193359	747827	1550840	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2278546	30200 3038594	73579 6520222	745807	1507031	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2025548	22223 2782659	57316 6485137	632786	1317962	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1298883	16909 1755883	40284 3896664	420326	855776	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	CBZ	Ave	7793 2579241	31575 3530804	82920 8382679	805080	1653173	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2147819	+++++ 2877773	59806 6620763	694863	1433614	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3580921	36466 4919155	95938 11305480	1103506	2312360	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2590564	30618 3524235	76679 8065710	832840	1689558	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3284919	40241 4518282	106722 10346690	1057055	2145926	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 5117521	62717 7012244	165679 15463048	1676033	3404205	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2136619	23671 2853499	70295 6065919	685740	1419659	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 3995336	49491 5491076	131724 11870100	1312504	2651443	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2072959	24942 2864799	66853 6322334	675292	1376618	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3040174	29713 4251775	81729 9648553	964259	2008991	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3902271	31695 5381099	83813 12453414	1163909	2490536	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 5799052	73374 8020375	187627 17342973	1898242	3883775	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3204593	41515 4411289	104023 9071696	1081792	2182734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2297505	+++++ 3084891	81965 6034505	800300	1588774	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 6636387	82582 8933946	215224 17634849	2236662	4514390	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 4678914	61929 6214923	160864 12064132	1616607	3211400	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 5340891	66328 7245514	174595 14142022	1803067	3650829	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2329692	+++++ 3146166	76550 5818775	790448	1600744	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 4868098	56368 6801792	152494 14395622	1569752	3247945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 2485347	23089 3539545	62685 7852247	764319	1640048	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 4576830	54981 6436017	146597 13852171	1484942	3062687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29085-1 Analy Batch No.: 89271

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2015 17:41 Calibration End Date: 06/04/2015 23:37 Calibration ID: 30852

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	CBZ	Ave	+++++ 4822359	51835 6772832	148314 14179150	1583640	3229246	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 6739076	77922 9438136	209817 19274918	2202762	4519068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 5537390	63406 7797836	169030 15447855	1821313	3746318	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3690149	43673 5160527	106170 10820176	1179697	2434818	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3673054	42114 5238386	105775 11642907	1162505	2418638	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4543120	40339 6484763	107189 14090876	1427622	2972660	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 5098348	56203 7239844	147146 14365791	1667388	3441198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2352584	+++++ 3422269	+++++ 6603385	801227	1603039	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3547914	41126 5051856	100353 11224568	1116456	2335552	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1892527	+++++ 2663012	+++++ 2233537	679238	1334941	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2714188	+++++ 4083414	54027 5794500	859265	1846743	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 2787622	30616 4187967	77353 5373321	831382	1881232	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 4926884	+++++ 7574001	63682 10148950	1599089	3452236	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2387314	27071 3470670	49469 3511076	754577	1630753	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92213/19	15073_19.D
Level 2	IC 200-92213/5	15073_05.D
Level 3	IC 200-92213/6	15073_06.D
Level 4	IC 200-92213/7	15073_07.D
Level 5	ICIS 200-92213/20	15073_20.D
Level 6	IC 200-92213/9	15073_09.D
Level 7	IC 200-92213/10	15073_10.D
Level 8	IC 200-92213/11	15073_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	+++++ 1.1526	+++++ 0.9868	+++++ 0.9519	1.2185	1.1253	Ave		1.0870				10.4		30.0			
Dichlorodifluoromethane	+++++ 3.3341	+++++ 2.8131	3.8790 2.7763	3.5179	3.3536	Ave		3.2790				12.9		30.0			
Freon 22	+++++ 2.3006	+++++ 1.9552	2.7139 1.9236	2.3654	2.2555	Ave		2.2524				12.9		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.0115	3.3439 2.5720	3.3781 2.5205	3.1525	3.0728	Ave		3.0073				11.4		30.0			
Chloromethane	+++++ 1.3797	+++++ 1.1778	1.6963 1.1541	1.4353	1.3709	Ave		1.3690				14.4		30.0			
n-Butane	+++++ 2.8828	+++++ 2.5209	3.5032 2.3315	2.9513	2.8018	Ave		2.8319				14.3		30.0			
Vinyl chloride	1.6434 1.5787	1.6638 1.3707	1.7906 1.3114	1.5919	1.5657	Ave		1.5645				10.0		30.0			
1,3-Butadiene	+++++ 1.3453	1.3648 1.1560	1.4357 1.1055	1.3470	1.3255	Ave		1.2971				9.2		30.0			
Bromomethane	+++++ 1.3218	1.3563 1.1616	1.3730 1.1875	1.2762	1.3470	Ave		1.2890				6.5		30.0			
Chloroethane	+++++ 1.0753	+++++ 0.9481	1.0944 0.9539	1.0265	1.0745	Ave		1.0288				6.3		30.0			
Isopentane	+++++ 3.1746	3.6599 2.7655	3.6461 2.7131	3.0882	3.1063	Ave		3.1648				11.9		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.2671	1.2736 1.1302	1.3023 1.1569	1.2073	1.3013	Ave		1.2341				5.7		30.0			
Trichlorofluoromethane	+++++ 3.7528	3.9205 3.3227	3.8528 3.4149	3.6185	3.8242	Ave		3.6724				6.2		30.0			
n-Pentane	+++++ 5.0713	+++++ 4.4476	5.5613 4.4223	4.7714	4.9630	Ave		4.8728				8.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 1.1067	+++++ 0.9611	1.0412 0.9282	1.2721	1.0836	Ave		1.0655				11.5		30.0			
Ethyl ether	+++++ 1.5322	1.4168 1.3653	1.4792 1.3870	1.4197	1.5275	Ave		1.4468				4.6		30.0			
Acrolein	+++++ 0.7440	+++++ 0.5471	+++++ 0.2772	0.6247	0.7924	Ave		0.5971				34.0	*	30.0			
Freon TF	+++++ 2.6816	2.7833 2.3995	2.7636 2.4902	2.5431	2.7520	Ave		2.6305				5.8		30.0			
1,1-Dichloroethene	+++++ 1.3521	1.3750 1.2086	1.3620 1.2579	1.2697	1.3841	Ave		1.3156				5.2		30.0			
Acetone	+++++ 4.2339	+++++ 3.9066	+++++ 3.5809	4.4388	3.8945	Ave		4.0109				8.3		30.0			
Isopropyl alcohol	+++++ 4.3419	+++++ 3.9160	+++++ 3.7678	3.8950	3.6438	Ave		3.9129				6.7		30.0			
Carbon disulfide	+++++ 4.5477	+++++ 4.0784	4.6319 4.1640	4.3041	4.6970	Ave		4.4039				5.9		30.0			
3-Chloropropene	+++++ 3.7050	3.8412 3.1855	3.7855 2.9694	3.2535	3.5310	Ave		3.4673				9.7		30.0			
Acetonitrile	+++++ 2.4528	+++++ 2.1558	+++++ 2.0928	2.3161	2.2188	Ave		2.2473				6.3		30.0			
Methylene Chloride	+++++ 2.8546	+++++ 2.5433	3.7261 2.4969	2.7625	2.8167	Ave		2.8666				15.5		30.0			
tert-Butyl alcohol	+++++ 4.6239	+++++ 4.1603	+++++ 4.1647	4.1136	4.0895	Ave		4.2304				5.3		30.0			
Methyl tert-butyl ether	+++++ 5.4046	5.2342 4.8406	5.2499 4.9962	5.0057	5.4281	Ave		5.1656				4.3		30.0			
trans-1,2-Dichloroethene	+++++ 3.0427	2.9557 2.7117	3.1808 2.7661	2.8292	3.0463	Ave		2.9332				5.8		30.0			
Acrylonitrile	+++++ 1.8579	+++++ 1.6298	1.7948 1.6670	1.7313	1.8158	Ave		1.7494				5.1		30.0			
n-Hexane	+++++ 3.5840	3.5500 3.1785	3.6603 3.2086	3.3509	3.5778	Ave		3.4443				5.7		30.0			
1,1-Dichloroethane	4.0880 3.8386	4.0161 3.4006	3.9088 3.4158	3.6428	3.8350	Ave		3.7682				6.9		30.0			
Vinyl acetate	+++++ 8.0153	+++++ 6.9410	+++++ 6.8872	7.5600	7.7868	Ave		7.4381				6.8		30.0			
Methyl Ethyl Ketone	+++++ 1.0060	+++++ 0.9093	1.1770 0.8951	0.9373	0.9865	Ave		0.9852				10.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.5789	1.5791 1.4098	1.6103 1.4315	1.4982	1.6105	Ave		1.5312				5.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 0.1393	+++++ 0.1220	+++++ 0.1276	0.1207	0.1390	Ave		0.1297				6.9		30.0			
Tetrahydrofuran	+++++ 0.6754	+++++ 0.6348	+++++ 0.6125	0.6428	0.6484	Ave		0.6428				3.5		30.0			
Chloroform	+++++ 3.5160	3.5126 3.1559	3.6033 3.2450	3.3356	3.5548	Ave		3.4176				5.0		30.0			
1,1,1-Trichloroethane	+++++ 0.6266	0.6239 0.5942	0.6294 0.6033	0.5858	0.6273	Ave		0.6129				3.0		30.0			
Cyclohexane	+++++ 0.4350	0.4306 0.4135	0.4354 0.4161	0.4074	0.4366	Ave		0.4249				2.9		30.0			
Carbon tetrachloride	0.3630 0.5812	0.5136 0.4991	0.5399 0.5718	0.5347	0.5931	Ave		0.5246				13.9		30.0			
2,2,4-Trimethylpentane	+++++ 2.2787	2.1278 2.1528	2.2258 2.1194	2.1226	2.2597	Ave		2.1838				3.2		30.0			
Benzene	+++++ 1.0595	1.1077 1.0068	1.1030 1.0176	1.0019	1.0673	Ave		1.0520				4.2		30.0			
1,2-Dichloroethane	+++++ 0.5208	0.5009 0.4909	0.5269 0.4943	0.4881	0.5121	Ave		0.5049				3.0		30.0			
n-Heptane	+++++ 1.1002	1.1047 1.0257	1.1384 0.9895	1.0454	1.0736	Ave		1.0682				4.8		30.0			
n-Butanol	+++++ 0.3093	+++++ 0.2955	+++++ 0.2929	0.2750	0.2514	Ave		0.2848				7.8		30.0			
Trichloroethene	0.4037 0.3977	0.3906 0.3984	0.4045 0.3857	0.3691	0.3985	Ave		0.3935				3.0		30.0			
1,2-Dichloropropane	+++++ 0.4891	0.4913 0.4608	0.4980 0.4561	0.4582	0.4869	Ave		0.4772				3.8		30.0			
Methyl methacrylate	+++++ 0.4386	+++++ 0.4178	0.3874 0.4234	0.4009	0.4334	Ave		0.4169				4.7		30.0			
1,4-Dioxane	+++++ 0.1699	+++++ 0.1678	+++++ 0.1608	0.1534	0.1424	Ave		0.1589				7.1		30.0			
Dibromomethane	+++++ 0.2641	0.2917 0.2757	0.2923 0.2635	0.2535	0.2671	Ave		0.2725				5.4		30.0			
Bromodichloromethane	+++++ 0.7420	0.6725 0.6778	0.6927 0.7096	0.6867	0.7419	Ave		0.7033				4.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.6272	0.5940 0.5980	0.5934 0.6092	0.5754	0.6210	Ave		0.6026				3.0		30.0			
methyl isobutyl ketone	+++++ 1.4321	+++++ 1.3288	1.3584 1.2936	1.3449	1.3722	Ave		1.3550				3.4		30.0			
n-Octane	+++++ 1.5534	1.5047 1.4314	1.5839 1.3327	1.5001	1.5272	Ave		1.4905				5.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 0.7902	0.8289 0.7676	0.8070 0.7608	0.7439	0.8008	Ave		0.7856				3.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.6421	0.5625 0.6088	0.5969 0.6227	0.5806	0.6379	Ave		0.6074				4.9		30.0			
1,1,2-Trichloroethane	+++++ 0.4211	0.4016 0.4031	0.4184 0.4057	0.3890	0.4228	Ave		0.4088				3.0		30.0			
Tetrachloroethene	0.5114 0.4642	0.4954 0.4473	0.4839 0.4544	0.4424	0.4787	Ave		0.4722				5.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 1.6052	+++++ 1.5031	1.4698 1.4609	1.4955	1.5334	Ave		1.5113				3.5		30.0			
Dibromochloromethane	+++++ 0.6454	0.5426 0.5493	0.5319 0.6207	0.5935	0.6784	Ave		0.5945				9.5		30.0			
1,2-Dibromoethane	+++++ 0.6309	0.5942 0.6052	0.6069 0.6128	0.5788	0.6404	Ave		0.6099				3.4		30.0			
Chlorobenzene	+++++ 0.9276	0.9534 0.8881	0.9375 0.8979	0.8792	0.9479	Ave		0.9188				3.3		30.0			
Ethylbenzene	+++++ 1.8065	1.7743 1.7092	1.7961 1.6281	1.7101	1.8442	Ave		1.7526				4.2		30.0			
n-Nonane	+++++ 1.2970	1.2922 1.2069	1.3026 1.0877	1.2256	1.3021	Ave		1.2449				6.4		30.0			
m,p-Xylene	+++++ 0.6297	0.5845 0.6013	0.6106 0.5861	0.5990	0.6451	Ave		0.6080				3.7		30.0			
Xylene, o-	+++++ 0.6214	0.6090 0.5972	0.6131 0.5994	0.5834	0.6357	Ave		0.6085				2.8		30.0			
Styrene	+++++ 1.0241	0.9151 0.9697	0.9413 0.9865	0.9498	1.0474	Ave		0.9763				4.8		30.0			
Bromoform	+++++ 0.5413	0.3522 0.3693	0.3445 0.4945	0.4884	0.6150	Ave		0.4579				22.9		30.0			
Cumene	+++++ 1.8629	1.8042 1.7799	1.7807 1.7704	1.7567	1.9060	Ave		1.8087				3.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1074	1.0481 0.9998	1.0745 1.0301	1.0419	1.1185	Ave		1.0601				4.0		30.0			
n-Propylbenzene	+++++ 2.5268	2.4706 2.3937	2.4741 2.2617	2.3840	2.5532	Ave		2.4377				4.1		30.0			
1,2,3-Trichloropropane	+++++ 0.9650	+++++ 0.9160	0.9547 0.8699	0.9040	0.9582	Ave		0.9280				4.1		30.0			
n-Decane	+++++ 1.7054	+++++ 1.5241	1.6632 1.3910	1.6124	1.6983	Ave		1.5991				7.6		30.0			
4-Ethyltoluene	+++++ 1.8814	1.7507 1.7948	1.8223 1.6971	1.7945	1.9243	Ave		1.8093				4.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 1.7230	1.6387 1.6264	1.6504 1.5972	1.6098	1.7396	Ave		1.6550				3.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5859	1.5617 1.4966	1.5666 1.4187	1.4990	1.6161	Ave		1.5349				4.4		30.0			
Alpha Methyl Styrene	+++++ 0.7377	0.6545 0.6593	0.6496 0.6702	0.6957	0.7536	Ave		0.6887				6.1		30.0			
tert-Butylbenzene	+++++ 1.3762	1.3165 1.2970	1.3502 1.2343	1.3132	1.4109	Ave		1.3283				4.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5939	1.5544 1.4911	1.5340 1.4151	1.5270	1.6251	Ave		1.5344				4.5		30.0			
sec-Butylbenzene	+++++ 2.2856	2.2232 2.1044	2.2556 2.0104	2.1920	2.3397	Ave		2.2016				5.1		30.0			
4-Isopropyltoluene	+++++ 1.7642	1.7396 1.5448	1.7457 1.5835	1.7189	1.8337	Ave		1.7044				6.0		30.0			
1,3-Dichlorobenzene	+++++ 0.8812	0.8707 0.8286	0.8703 0.7817	0.8638	0.9109	Ave		0.8582				4.8		30.0			
1,4-Dichlorobenzene	+++++ 0.8777	0.8615 0.8168	0.8586 0.7710	0.8613	0.9083	Ave		0.8507				5.2		30.0			
Benzyl chloride	+++++ 1.5594	1.4165 1.2952	1.4115 1.3763	1.4453	1.5930	Ave		1.4425				7.2		30.0			
n-Undecane	+++++ 1.6676	+++++ 1.6352	+++++ 1.6068	1.8312	1.7347	Ave		1.6951				5.3		30.0			
n-Butylbenzene	+++++ 1.9045	1.9250 1.6451	1.9725 1.7883	1.9503	2.0314	Ave		1.8882				6.9		30.0			
1,2-Dichlorobenzene	+++++ 0.8302	0.8278 0.7450	0.8345 0.7477	0.8114	0.8600	Ave		0.8081				5.5		30.0			
n-Dodecane	+++++ 1.6785	+++++ 1.6245	+++++ 1.5699	1.5587	1.6385	Ave		1.6140				3.1		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5766	+++++ 0.6303	0.4993 0.6503	0.5851	0.5565	Ave		0.5830				9.2		30.0			
Hexachlorobutadiene	+++++ 0.5442	0.5695 0.5373	0.5620 0.5602	0.4971	0.5098	Ave		0.5400				5.1		30.0			
Naphthalene	+++++ 1.3444	+++++ 1.6213	1.1039 1.6554	1.4497	1.4068	Ave		1.4302				14.1		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5309	0.3594 0.5666	0.4061 0.5833	0.4766	0.5096	Ave		0.4904				16.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92213/19	15073_19.D
Level 2	IC 200-92213/5	15073_05.D
Level 3	IC 200-92213/6	15073_06.D
Level 4	IC 200-92213/7	15073_07.D
Level 5	ICIS 200-92213/20	15073_20.D
Level 6	IC 200-92213/9	15073_09.D
Level 7	IC 200-92213/10	15073_10.D
Level 8	IC 200-92213/11	15073_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	+++++ 263836	+++++ 342406	+++++ 684684	87576	181710	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 763212	+++++ 976139	27018 1996924	252829	541546	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 526638	+++++ 678453	18903 1383650	170001	364229	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 689367	9830 892450	23529 1812952	226569	496193	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 315820	+++++ 408685	11815 830101	103156	221376	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 659897	+++++ 874732	24401 1677033	212107	452440	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1085 361389	4891 475616	12472 943303	114408	252828	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 307958	4012 401137	10000 795151	96805	214049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 302565	3987 403063	9563 854172	91722	217509	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 246141	+++++ 328991	7623 686140	73776	173520	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 726701	10759 959621	25396 1951470	221946	501612	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 290057	3744 392171	9071 832154	86766	210133	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 859064	11525 1152947	26836 2456296	260063	617546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1160879	+++++ 1543291	38736 3180866	342915	801426	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 338518	+++++ 667091	72612 1669061	182969	262595	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 350733	4165 473741	10303 997683	102031	246657	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 170308	+++++ 189835	+++++ 199420	44898	127950	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 613851	8182 832626	19249 1791131	182770	444400	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 309512	4042 419358	9487 904752	91251	223514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 969183	+++++ 1355555	+++++ 2575675	319013	628892	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 993915	+++++ 1358825	+++++ 2710122	279930	588402	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1041012	+++++ 1415186	32262 2995133	309336	758485	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 848108	11292 1105335	26367 2135815	233829	570197	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 561471	+++++ 748055	+++++ 1505318	166455	358293	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 653441	+++++ 882502	25953 1795953	198536	454839	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1058450	+++++ 1443589	+++++ 2995589	295639	660382	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1237162	15387 1679647	36567 3593719	359759	876545	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 696506	8689 940928	22155 1989635	203336	491929	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 425291	+++++ 565526	12501 1199028	124428	293216	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 820426	10436 1102926	25495 2307925	240827	577751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2699 878705	11806 1179972	27226 2456934	261808	619281	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1834796	+++++ 2408470	+++++ 4953858	543335	1257419	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 230288	+++++ 315522	8198 643831	67360	159304	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 361432	4642 489207	11216 1029633	107675	260064	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 31880	+++++ 42342	+++++ 91801	8676	22453	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 833180	+++++ 1112187	+++++ 2261111	251249	567779	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 804853	10326 1095073	25098 2334070	239729	574032	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 772938	10011 1041124	23909 2227112	228991	549317	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 536627	6909 724473	16537 1536057	159225	382290	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1320 716973	8241 874530	20507 2111081	209004	519349	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2810908	34144 3771936	84546 7824572	829683	1978720	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1306886	17775 1764080	41895 3756737	391602	934546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 642454	8037 860172	20012 1824934	190788	448427	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1357104	17726 1797120	43243 3653119	408629	940099	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 381574	+++++ 517732	+++++ 1081375	107508	220161	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1468 490642	6268 698065	15364 1423865	144267	348937	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 603378	7884 807449	18916 1683855	179104	426371	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 541053	+++++ 731977	14715 1563171	156718	379514	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 209580	+++++ 293957	+++++ 593611	59965	124708	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 325730	4680 483034	11104 972699	99095	233906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 915333	10791 1187528	26310 2619551	268431	649598	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 773651	9531 1047802	22540 2248963	224897	543737	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1766615	+++++ 2328259	51596 4775862	525692	1201541	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1916183	24145 2508076	60165 4920138	586360	1337266	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 844437	11498 1159715	26802 2425843	254832	603115	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 792086	9026 1066721	22672 2299014	226951	558550	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 449971	5571 608996	13897 1293703	133246	318396	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	CBZ	Ave	1597 496002	6872 675890	16071 1448798	151532	360558	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1715256	+++++ 2271126	48818 4658094	512288	1154858	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 689610	7526 830018	17666 1979086	203313	510894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 674119	8242 914433	20158 1953773	198261	482284	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 991200	13225 1341832	31138 2862733	301176	713864	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1930366	24612 2582412	59656 5190924	585827	1388952	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1385927	17924 1823518	43265 3468128	419834	980677	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 1345761	16216 1816933	40558 3737723	410406	971699	+++++ 30.0	0.400 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 663990	8447 902302	20363 1911240	199854	478765	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1094341	12694 1465142	31265 3145244	325364	788864	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 578463	4885 558043	11442 1576719	167289	463168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1990622	25027 2689213	59143 5644739	601775	1435490	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1183328	14538 1510647	35689 3284499	356929	842403	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 2700038	34270 3616663	82174 7211244	816655	1922914	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1031124	+++++ 1384045	31710 2773692	309686	721657	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1822389	+++++ 2302743	55241 4435006	552347	1279033	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 2010399	24285 2711824	60526 5411110	614722	1449224	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1841128	22731 2457360	54815 5092605	551435	1310178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1694614	21663 2261217	52032 4523473	513483	1217131	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 788297	9079 996133	21576 2136871	238319	567538	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1470532	18262 1959717	44846 3935597	449835	1062635	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29156-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	CBZ	Ave	+++++ 1703160	21561 2252964	50949 4511810	523093	1223934	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 2442335	30839 3179561	74918 6409999	750878	1762095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1885167	24131 2334078	57981 5048922	588827	1381054	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 941607	12077 1251974	28907 2492464	295897	686068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 937867	11950 1234140	28518 2458180	295042	684086	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1666350	19648 1956955	46882 4388212	495099	1199736	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1781934	+++++ 2470608	+++++ 5123235	627279	1306468	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2035059	26702 2485585	65514 5701860	668091	1529943	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 887134	11482 1125676	27718 2383991	277954	647676	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1793646	+++++ 2454557	+++++ 5005493	533947	1234038	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 616187	+++++ 952360	16583 2073512	200422	419116	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 581476	7900 811773	18665 1786014	170271	383943	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1436580	+++++ 2449724	36663 5278179	496592	1059495	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 567348	4985 856117	13489 1859882	163254	383774	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92213/19	15073_19.D
Level 2	IC 200-92213/5	15073_05.D
Level 3	IC 200-92213/6	15073_06.D
Level 4	IC 200-92213/7	15073_07.D
Level 5	ICIS 200-92213/20	15073_20.D
Level 6	IC 200-92213/9	15073_09.D
Level 7	IC 200-92213/10	15073_10.D
Level 8	IC 200-92213/11	15073_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	+++++ 1.1526	+++++ 0.9868	+++++ 0.9519	1.2185	1.1253	Ave		1.0870				10.4		30.0			
Dichlorodifluoromethane	+++++ 3.3341	+++++ 2.8131	3.8790 2.7763	3.5179	3.3536	Ave		3.2790				12.9		30.0			
Freon 22	+++++ 2.3006	+++++ 1.9552	2.7139 1.9236	2.3654	2.2555	Ave		2.2524				12.9		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.0115	3.3439 2.5720	3.3781 2.5205	3.1525	3.0728	Ave		3.0073				11.4		30.0			
Chloromethane	+++++ 1.3797	+++++ 1.1778	1.6963 1.1541	1.4353	1.3709	Ave		1.3690				14.4		30.0			
n-Butane	+++++ 2.8828	+++++ 2.5209	3.5032 2.3315	2.9513	2.8018	Ave		2.8319				14.3		30.0			
Vinyl chloride	1.6434 1.5787	1.6638 1.3707	1.7906 1.3114	1.5919	1.5657	Ave		1.5645				10.0		30.0			
1,3-Butadiene	+++++ 1.3453	1.3648 1.1560	1.4357 1.1055	1.3470	1.3255	Ave		1.2971				9.2		30.0			
Bromomethane	+++++ 1.3218	1.3563 1.1616	1.3730 1.1875	1.2762	1.3470	Ave		1.2890				6.5		30.0			
Chloroethane	+++++ 1.0753	+++++ 0.9481	1.0944 0.9539	1.0265	1.0745	Ave		1.0288				6.3		30.0			
Isopentane	+++++ 3.1746	3.6599 2.7655	3.6461 2.7131	3.0882	3.1063	Ave		3.1648				11.9		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.2671	1.2736 1.1302	1.3023 1.1569	1.2073	1.3013	Ave		1.2341				5.7		30.0			
Trichlorofluoromethane	+++++ 3.7528	3.9205 3.3227	3.8528 3.4149	3.6185	3.8242	Ave		3.6724				6.2		30.0			
n-Pentane	+++++ 5.0713	+++++ 4.4476	5.5613 4.4223	4.7714	4.9630	Ave		4.8728				8.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 1.1067	+++++ 0.9611	1.0412 0.9282	1.2721	1.0836	Ave		1.0655				11.5		30.0			
Ethyl ether	+++++ 1.5322	1.4168 1.3653	1.4792 1.3870	1.4197	1.5275	Ave		1.4468				4.6		30.0			
Acrolein	+++++ 0.7440	+++++ 0.5471	+++++ 0.2772	0.6247	0.7924	Ave		0.5971				34.0	*	30.0			
Freon TF	+++++ 2.6816	2.7833 2.3995	2.7636 2.4902	2.5431	2.7520	Ave		2.6305				5.8		30.0			
1,1-Dichloroethene	+++++ 1.3521	1.3750 1.2086	1.3620 1.2579	1.2697	1.3841	Ave		1.3156				5.2		30.0			
Acetone	+++++ 4.2339	+++++ 3.9066	+++++ 3.5809	4.4388	3.8945	Ave		4.0109				8.3		30.0			
Isopropyl alcohol	+++++ 4.3419	+++++ 3.9160	+++++ 3.7678	3.8950	3.6438	Ave		3.9129				6.7		30.0			
Carbon disulfide	+++++ 4.5477	+++++ 4.0784	4.6319 4.1640	4.3041	4.6970	Ave		4.4039				5.9		30.0			
3-Chloropropene	+++++ 3.7050	3.8412 3.1855	3.7855 2.9694	3.2535	3.5310	Ave		3.4673				9.7		30.0			
Acetonitrile	+++++ 2.4528	+++++ 2.1558	+++++ 2.0928	2.3161	2.2188	Ave		2.2473				6.3		30.0			
Methylene Chloride	+++++ 2.8546	+++++ 2.5433	3.7261 2.4969	2.7625	2.8167	Ave		2.8666				15.5		30.0			
tert-Butyl alcohol	+++++ 4.6239	+++++ 4.1603	+++++ 4.1647	4.1136	4.0895	Ave		4.2304				5.3		30.0			
Methyl tert-butyl ether	+++++ 5.4046	5.2342 4.8406	5.2499 4.9962	5.0057	5.4281	Ave		5.1656				4.3		30.0			
trans-1,2-Dichloroethene	+++++ 3.0427	2.9557 2.7117	3.1808 2.7661	2.8292	3.0463	Ave		2.9332				5.8		30.0			
Acrylonitrile	+++++ 1.8579	+++++ 1.6298	1.7948 1.6670	1.7313	1.8158	Ave		1.7494				5.1		30.0			
n-Hexane	+++++ 3.5840	3.5500 3.1785	3.6603 3.2086	3.3509	3.5778	Ave		3.4443				5.7		30.0			
1,1-Dichloroethane	4.0880 3.8386	4.0161 3.4006	3.9088 3.4158	3.6428	3.8350	Ave		3.7682				6.9		30.0			
Vinyl acetate	+++++ 8.0153	+++++ 6.9410	+++++ 6.8872	7.5600	7.7868	Ave		7.4381				6.8		30.0			
Methyl Ethyl Ketone	+++++ 1.0060	+++++ 0.9093	1.1770 0.8951	0.9373	0.9865	Ave		0.9852				10.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.5789	1.5791 1.4098	1.6103 1.4315	1.4982	1.6105	Ave		1.5312				5.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 0.1393	+++++ 0.1220	+++++ 0.1276	0.1207	0.1390	Ave		0.1297				6.9		30.0			
Tetrahydrofuran	+++++ 0.6754	+++++ 0.6348	+++++ 0.6125	0.6428	0.6484	Ave		0.6428				3.5		30.0			
Chloroform	+++++ 3.5160	3.5126 3.1559	3.6033 3.2450	3.3356	3.5548	Ave		3.4176				5.0		30.0			
1,1,1-Trichloroethane	+++++ 0.6266	0.6239 0.5942	0.6294 0.6033	0.5858	0.6273	Ave		0.6129				3.0		30.0			
Cyclohexane	+++++ 0.4350	0.4306 0.4135	0.4354 0.4161	0.4074	0.4366	Ave		0.4249				2.9		30.0			
Carbon tetrachloride	0.3630 0.5812	0.5136 0.4991	0.5399 0.5718	0.5347	0.5931	Ave		0.5246				13.9		30.0			
2,2,4-Trimethylpentane	+++++ 2.2787	2.1278 2.1528	2.2258 2.1194	2.1226	2.2597	Ave		2.1838				3.2		30.0			
Benzene	+++++ 1.0595	1.1077 1.0068	1.1030 1.0176	1.0019	1.0673	Ave		1.0520				4.2		30.0			
1,2-Dichloroethane	+++++ 0.5208	0.5009 0.4909	0.5269 0.4943	0.4881	0.5121	Ave		0.5049				3.0		30.0			
n-Heptane	+++++ 1.1002	1.1047 1.0257	1.1384 0.9895	1.0454	1.0736	Ave		1.0682				4.8		30.0			
n-Butanol	+++++ 0.3093	+++++ 0.2955	+++++ 0.2929	0.2750	0.2514	Ave		0.2848				7.8		30.0			
Trichloroethene	0.4037 0.3977	0.3906 0.3984	0.4045 0.3857	0.3691	0.3985	Ave		0.3935				3.0		30.0			
1,2-Dichloropropane	+++++ 0.4891	0.4913 0.4608	0.4980 0.4561	0.4582	0.4869	Ave		0.4772				3.8		30.0			
Methyl methacrylate	+++++ 0.4386	+++++ 0.4178	0.3874 0.4234	0.4009	0.4334	Ave		0.4169				4.7		30.0			
1,4-Dioxane	+++++ 0.1699	+++++ 0.1678	+++++ 0.1608	0.1534	0.1424	Ave		0.1589				7.1		30.0			
Dibromomethane	+++++ 0.2641	0.2917 0.2757	0.2923 0.2635	0.2535	0.2671	Ave		0.2725				5.4		30.0			
Bromodichloromethane	+++++ 0.7420	0.6725 0.6778	0.6927 0.7096	0.6867	0.7419	Ave		0.7033				4.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.6272	0.5940 0.5980	0.5934 0.6092	0.5754	0.6210	Ave		0.6026				3.0		30.0			
methyl isobutyl ketone	+++++ 1.4321	+++++ 1.3288	1.3584 1.2936	1.3449	1.3722	Ave		1.3550				3.4		30.0			
n-Octane	+++++ 1.5534	1.5047 1.4314	1.5839 1.3327	1.5001	1.5272	Ave		1.4905				5.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 0.7902	0.8289 0.7676	0.8070 0.7608	0.7439	0.8008	Ave		0.7856				3.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.6421	0.5625 0.6088	0.5969 0.6227	0.5806	0.6379	Ave		0.6074				4.9		30.0			
1,1,2-Trichloroethane	+++++ 0.4211	0.4016 0.4031	0.4184 0.4057	0.3890	0.4228	Ave		0.4088				3.0		30.0			
Tetrachloroethene	0.5114 0.4642	0.4954 0.4473	0.4839 0.4544	0.4424	0.4787	Ave		0.4722				5.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 1.6052	+++++ 1.5031	1.4698 1.4609	1.4955	1.5334	Ave		1.5113				3.5		30.0			
Dibromochloromethane	+++++ 0.6454	0.5426 0.5493	0.5319 0.6207	0.5935	0.6784	Ave		0.5945				9.5		30.0			
1,2-Dibromoethane	+++++ 0.6309	0.5942 0.6052	0.6069 0.6128	0.5788	0.6404	Ave		0.6099				3.4		30.0			
Chlorobenzene	+++++ 0.9276	0.9534 0.8881	0.9375 0.8979	0.8792	0.9479	Ave		0.9188				3.3		30.0			
Ethylbenzene	+++++ 1.8065	1.7743 1.7092	1.7961 1.6281	1.7101	1.8442	Ave		1.7526				4.2		30.0			
n-Nonane	+++++ 1.2970	1.2922 1.2069	1.3026 1.0877	1.2256	1.3021	Ave		1.2449				6.4		30.0			
m,p-Xylene	+++++ 0.6297	0.5845 0.6013	0.6106 0.5861	0.5990	0.6451	Ave		0.6080				3.7		30.0			
Xylene, o-	+++++ 0.6214	0.6090 0.5972	0.6131 0.5994	0.5834	0.6357	Ave		0.6085				2.8		30.0			
Styrene	+++++ 1.0241	0.9151 0.9697	0.9413 0.9865	0.9498	1.0474	Ave		0.9763				4.8		30.0			
Bromoform	+++++ 0.5413	0.3522 0.3693	0.3445 0.4945	0.4884	0.6150	Ave		0.4579				22.9		30.0			
Cumene	+++++ 1.8629	1.8042 1.7799	1.7807 1.7704	1.7567	1.9060	Ave		1.8087				3.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1074	1.0481 0.9998	1.0745 1.0301	1.0419	1.1185	Ave		1.0601				4.0		30.0			
n-Propylbenzene	+++++ 2.5268	2.4706 2.3937	2.4741 2.2617	2.3840	2.5532	Ave		2.4377				4.1		30.0			
1,2,3-Trichloropropane	+++++ 0.9650	+++++ 0.9160	0.9547 0.8699	0.9040	0.9582	Ave		0.9280				4.1		30.0			
n-Decane	+++++ 1.7054	+++++ 1.5241	1.6632 1.3910	1.6124	1.6983	Ave		1.5991				7.6		30.0			
4-Ethyltoluene	+++++ 1.8814	1.7507 1.7948	1.8223 1.6971	1.7945	1.9243	Ave		1.8093				4.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 1.7230	1.6387 1.6264	1.6504 1.5972	1.6098	1.7396	Ave		1.6550				3.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5859	1.5617 1.4966	1.5666 1.4187	1.4990	1.6161	Ave		1.5349				4.4		30.0			
Alpha Methyl Styrene	+++++ 0.7377	0.6545 0.6593	0.6496 0.6702	0.6957	0.7536	Ave		0.6887				6.1		30.0			
tert-Butylbenzene	+++++ 1.3762	1.3165 1.2970	1.3502 1.2343	1.3132	1.4109	Ave		1.3283				4.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5939	1.5544 1.4911	1.5340 1.4151	1.5270	1.6251	Ave		1.5344				4.5		30.0			
sec-Butylbenzene	+++++ 2.2856	2.2232 2.1044	2.2556 2.0104	2.1920	2.3397	Ave		2.2016				5.1		30.0			
4-Isopropyltoluene	+++++ 1.7642	1.7396 1.5448	1.7457 1.5835	1.7189	1.8337	Ave		1.7044				6.0		30.0			
1,3-Dichlorobenzene	+++++ 0.8812	0.8707 0.8286	0.8703 0.7817	0.8638	0.9109	Ave		0.8582				4.8		30.0			
1,4-Dichlorobenzene	+++++ 0.8777	0.8615 0.8168	0.8586 0.7710	0.8613	0.9083	Ave		0.8507				5.2		30.0			
Benzyl chloride	+++++ 1.5594	1.4165 1.2952	1.4115 1.3763	1.4453	1.5930	Ave		1.4425				7.2		30.0			
n-Undecane	+++++ 1.6676	+++++ 1.6352	+++++ 1.6068	1.8312	1.7347	Ave		1.6951				5.3		30.0			
n-Butylbenzene	+++++ 1.9045	1.9250 1.6451	1.9725 1.7883	1.9503	2.0314	Ave		1.8882				6.9		30.0			
1,2-Dichlorobenzene	+++++ 0.8302	0.8278 0.7450	0.8345 0.7477	0.8114	0.8600	Ave		0.8081				5.5		30.0			
n-Dodecane	+++++ 1.6785	+++++ 1.6245	+++++ 1.5699	1.5587	1.6385	Ave		1.6140				3.1		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5766	+++++ 0.6303	0.4993 0.6503	0.5851	0.5565	Ave		0.5830				9.2		30.0			
Hexachlorobutadiene	+++++ 0.5442	0.5695 0.5373	0.5620 0.5602	0.4971	0.5098	Ave		0.5400				5.1		30.0			
Naphthalene	+++++ 1.3444	+++++ 1.6213	1.1039 1.6554	1.4497	1.4068	Ave		1.4302				14.1		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5309	0.3594 0.5666	0.4061 0.5833	0.4766	0.5096	Ave		0.4904				16.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92213/19	15073_19.D
Level 2	IC 200-92213/5	15073_05.D
Level 3	IC 200-92213/6	15073_06.D
Level 4	IC 200-92213/7	15073_07.D
Level 5	ICIS 200-92213/20	15073_20.D
Level 6	IC 200-92213/9	15073_09.D
Level 7	IC 200-92213/10	15073_10.D
Level 8	IC 200-92213/11	15073_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	+++++ 263836	+++++ 342406	+++++ 684684	87576	181710	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 763212	+++++ 976139	27018 1996924	252829	541546	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 526638	+++++ 678453	18903 1383650	170001	364229	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 689367	9830 892450	23529 1812952	226569	496193	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 315820	+++++ 408685	11815 830101	103156	221376	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 659897	+++++ 874732	24401 1677033	212107	452440	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1085 361389	4891 475616	12472 943303	114408	252828	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 307958	4012 401137	10000 795151	96805	214049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 302565	3987 403063	9563 854172	91722	217509	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 246141	+++++ 328991	7623 686140	73776	173520	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 726701	10759 959621	25396 1951470	221946	501612	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 290057	3744 392171	9071 832154	86766	210133	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 859064	11525 1152947	26836 2456296	260063	617546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1160879	+++++ 1543291	38736 3180866	342915	801426	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 338518	+++++ 667091	72612 1669061	182969	262595	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 350733	4165 473741	10303 997683	102031	246657	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 170308	+++++ 189835	+++++ 199420	44898	127950	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 613851	8182 832626	19249 1791131	182770	444400	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 309512	4042 419358	9487 904752	91251	223514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 969183	+++++ 1355555	+++++ 2575675	319013	628892	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 993915	+++++ 1358825	+++++ 2710122	279930	588402	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1041012	+++++ 1415186	32262 2995133	309336	758485	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 848108	11292 1105335	26367 2135815	233829	570197	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 561471	+++++ 748055	+++++ 1505318	166455	358293	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 653441	+++++ 882502	25953 1795953	198536	454839	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1058450	+++++ 1443589	+++++ 2995589	295639	660382	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1237162	15387 1679647	36567 3593719	359759	876545	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 696506	8689 940928	22155 1989635	203336	491929	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 425291	+++++ 565526	12501 1199028	124428	293216	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 820426	10436 1102926	25495 2307925	240827	577751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2699 878705	11806 1179972	27226 2456934	261808	619281	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1834796	+++++ 2408470	+++++ 4953858	543335	1257419	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 230288	+++++ 315522	8198 643831	67360	159304	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 361432	4642 489207	11216 1029633	107675	260064	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 31880	+++++ 42342	+++++ 91801	8676	22453	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 833180	+++++ 1112187	+++++ 2261111	251249	567779	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	+++++ 804853	10326 1095073	25098 2334070	239729	574032	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 772938	10011 1041124	23909 2227112	228991	549317	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 536627	6909 724473	16537 1536057	159225	382290	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1320 716973	8241 874530	20507 2111081	209004	519349	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2810908	34144 3771936	84546 7824572	829683	1978720	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1306886	17775 1764080	41895 3756737	391602	934546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 642454	8037 860172	20012 1824934	190788	448427	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1357104	17726 1797120	43243 3653119	408629	940099	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 381574	+++++ 517732	+++++ 1081375	107508	220161	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1468 490642	6268 698065	15364 1423865	144267	348937	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 603378	7884 807449	18916 1683855	179104	426371	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 541053	+++++ 731977	14715 1563171	156718	379514	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 209580	+++++ 293957	+++++ 593611	59965	124708	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 325730	4680 483034	11104 972699	99095	233906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 915333	10791 1187528	26310 2619551	268431	649598	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 773651	9531 1047802	22540 2248963	224897	543737	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1766615	+++++ 2328259	51596 4775862	525692	1201541	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1916183	24145 2508076	60165 4920138	586360	1337266	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 844437	11498 1159715	26802 2425843	254832	603115	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 792086	9026 1066721	22672 2299014	226951	558550	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 449971	5571 608996	13897 1293703	133246	318396	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	CBZ	Ave	1597 496002	6872 675890	16071 1448798	151532	360558	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1715256	+++++ 2271126	48818 4658094	512288	1154858	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 689610	7526 830018	17666 1979086	203313	510894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 674119	8242 914433	20158 1953773	198261	482284	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 991200	13225 1341832	31138 2862733	301176	713864	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1930366	24612 2582412	59656 5190924	585827	1388952	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1385927	17924 1823518	43265 3468128	419834	980677	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 1345761	16216 1816933	40558 3737723	410406	971699	+++++ 30.0	0.400 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 663990	8447 902302	20363 1911240	199854	478765	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1094341	12694 1465142	31265 3145244	325364	788864	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 578463	4885 558043	11442 1576719	167289	463168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1990622	25027 2689213	59143 5644739	601775	1435490	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1183328	14538 1510647	35689 3284499	356929	842403	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 2700038	34270 3616663	82174 7211244	816655	1922914	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1031124	+++++ 1384045	31710 2773692	309686	721657	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1822389	+++++ 2302743	55241 4435006	552347	1279033	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 2010399	24285 2711824	60526 5411110	614722	1449224	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1841128	22731 2457360	54815 5092605	551435	1310178	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1694614	21663 2261217	52032 4523473	513483	1217131	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 788297	9079 996133	21576 2136871	238319	567538	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1470532	18262 1959717	44846 3935597	449835	1062635	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29205-1 Analy Batch No.: 92213

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2015 19:01 Calibration End Date: 08/04/2015 11:14 Calibration ID: 31632

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	CBZ	Ave	+++++ 1703160	21561 2252964	50949 4511810	523093	1223934	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 2442335	30839 3179561	74918 6409999	750878	1762095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1885167	24131 2334078	57981 5048922	588827	1381054	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 941607	12077 1251974	28907 2492464	295897	686068	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 937867	11950 1234140	28518 2458180	295042	684086	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1666350	19648 1956955	46882 4388212	495099	1199736	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1781934	+++++ 2470608	+++++ 5123235	627279	1306468	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2035059	26702 2485585	65514 5701860	668091	1529943	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 887134	11482 1125676	27718 2383991	277954	647676	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1793646	+++++ 2454557	+++++ 5005493	533947	1234038	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 616187	+++++ 952360	16583 2073512	200422	419116	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 581476	7900 811773	18665 1786014	170271	383943	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1436580	+++++ 2449724	36663 5278179	496592	1059495	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 567348	4985 856117	13489 1859882	163254	383774	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92823/4	15313_04.D
Level 2	IC 200-92823/5	15313_05.D
Level 3	IC 200-92823/6	15313_06.D
Level 4	IC 200-92823/7	15313_07.D
Level 5	ICIS 200-92823/8	15313_08.D
Level 6	IC 200-92823/9	15313_09.D
Level 7	IC 200-92823/10	15313_10.D
Level 8	IC 200-92823/11	15313_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	+++++ 0.4217	+++++ 0.3861	+++++ 0.3746	0.4479	0.4467	Ave		0.4154				8.2		30.0			
Dichlorodifluoromethane	+++++ 1.9562	+++++ 1.8005	2.0724 1.8099	1.9718	2.0597	Ave		1.9451				6.1		30.0			
Freon 22	+++++ 0.9410	+++++ 0.8557	1.0308 0.8605	0.9525	1.0039	Ave		0.9407				7.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.9844	2.0400 1.8229	2.0816 1.8362	1.9869	2.0916	Ave		1.9777				5.5		30.0			
Chloromethane	+++++ 0.5508	+++++ 0.4994	0.6023 0.5030	0.5512	0.5775	Ave		0.5474				7.4		30.0			
n-Butane	+++++ 0.8734	+++++ 0.7902	1.1420 0.7819	0.8761	0.9311	Ave		0.8991				14.7		30.0			
Vinyl chloride	0.5581 0.7177	0.7646 0.6507	0.7298 0.6553	0.7013	0.7448	Ave		0.6903				9.7		30.0			
1,3-Butadiene	+++++ 0.4961	0.5033 0.4509	0.5612 0.4522	0.4897	0.5172	Ave		0.4958				7.7		30.0			
Bromomethane	+++++ 0.7801	0.8013 0.7302	0.8346 0.7434	0.7722	0.8096	Ave		0.7816				4.7		30.0			
Chloroethane	+++++ 0.3505	+++++ 0.3215	0.3698 0.3273	0.3552	0.3673	Ave		0.3486				5.8		30.0			
Isopentane	+++++ 0.6007	0.8096 0.5414	0.7583 0.5449	0.6175	0.6326	Ave		0.6436				16.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9084	0.9255 0.8384	0.9448 0.8566	0.8923	0.9492	Ave		0.9022				4.7		30.0			
Trichlorofluoromethane	+++++ 2.1493	2.2362 1.9805	2.2729 2.0076	2.1260	2.2453	Ave		2.1454				5.4		30.0			
n-Pentane	+++++ 1.0004	+++++ 0.9129	1.2363 0.9048	1.0239	1.0635	Ave		1.0236				11.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.2153	+++++ 0.1993	0.2086 0.1896	0.2564	0.2184	Ave		0.2146				10.7		30.0			
Ethyl ether	+++++ 0.4678	0.4216 0.4300	0.4611 0.4279	0.4617	0.4828	Ave		0.4504				5.2		30.0			
Acrolein	+++++ 0.2039	+++++ 0.1495	+++++ 0.0733	0.1874	0.2330	Ave		0.1694				36.4	*	30.0			
Freon TF	+++++ 1.7251	1.8538 1.5853	1.7882 1.6059	1.6847	1.7794	Ave		1.7175				5.7		30.0			
1,1-Dichloroethene	+++++ 0.8111	0.8057 0.7557	0.8391 0.7625	0.7969	0.8486	Ave		0.8028				4.4		30.0			
Acetone	+++++ 0.8945	+++++ 0.8691	+++++ 0.7725	0.9799	0.8602	Ave		0.8752				8.5		30.0			
Carbon disulfide	+++++ 2.0561	+++++ 1.9250	2.1426 1.9277	2.0418	2.1464	Ave		2.0399				4.8		30.0			
Isopropyl alcohol	+++++ 0.9015	+++++ 0.8445	+++++ 0.7980	0.8261	0.7772	Ave		0.8295				5.8		30.0			
3-Chloropropene	+++++ 0.6898	0.7607 0.6184	0.7406 0.5672	0.6548	0.7111	Ave		0.6775				10.1		30.0			
Acetonitrile	+++++ 0.4303	+++++ 0.3963	+++++ 0.3857	0.4481	0.4141	Ave		0.4149				6.1		30.0			
Methylene Chloride	+++++ 0.7001	+++++ 0.6428	0.9791 0.6297	0.7290	0.7416	Ave		0.7371				17.2		30.0			
tert-Butyl alcohol	+++++ 1.4245	+++++ 1.3250	+++++ 1.2854	1.3257	1.2875	Ave		1.3296				4.2		30.0			
Methyl tert-butyl ether	+++++ 2.2289	2.3168 2.0695	2.3239 2.0734	2.1930	2.3362	Ave		2.2202				5.2		30.0			
trans-1,2-Dichloroethene	+++++ 1.0293	1.0861 0.9475	1.0975 0.9441	1.0238	1.0883	Ave		1.0310				6.3		30.0			
Acrylonitrile	+++++ 0.4856	+++++ 0.4458	0.4987 0.4492	0.4896	0.5015	Ave		0.4784				5.2		30.0			
n-Hexane	+++++ 1.0634	1.2098 0.9715	1.2602 0.9725	1.0648	1.1212	Ave		1.0948				10.1		30.0			
1,1-Dichloroethane	1.5382 1.3849	1.3885 1.2679	1.4587 1.2764	1.3738	1.4475	Ave		1.3920				6.5		30.0			
Vinyl acetate	+++++ 1.6812	+++++ 1.5077	+++++ 1.5101	1.6852	1.7752	Ave		1.6319				7.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.0202	1.0647 0.9430	1.0522 0.9562	0.9956	1.0590	Ave		1.0130				4.9		30.0			
Methyl Ethyl Ketone	+++++ 0.4413	+++++ 0.4131	0.6426 0.4061	0.4467	0.4371	Ave		0.4645				19.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.0763	+++++ 0.0706	+++++ 0.0702	0.0734	0.0770	Ave		0.0735				4.3		30.0			
Tetrahydrofuran	+++++ 0.1456	+++++ 0.1387	+++++ 0.1368	0.1439	0.1473	Ave		0.1425				3.2		30.0			
Chloroform	+++++ 1.8556	1.9677 1.7173	1.9648 1.7285	1.8364	1.9374	Ave		1.8582				5.7		30.0			
Cyclohexane	+++++ 0.2503	0.2614 0.2414	0.2588 0.2423	0.2416	0.2563	Ave		0.2503				3.5		30.0			
1,1,1-Trichloroethane	+++++ 0.3672	0.3668 0.3531	0.3747 0.3590	0.3543	0.3770	Ave		0.3646				2.6		30.0			
Carbon tetrachloride	0.3526 0.4060	0.3676 0.3394	0.3802 0.3995	0.3772	0.4163	Ave		0.3798				7.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.8394	0.8585 0.8064	0.8614 0.7969	0.8267	0.8661	Ave		0.8365				3.3		30.0			
Benzene	+++++ 0.5800	0.6142 0.5583	0.6179 0.5588	0.5650	0.5925	Ave		0.5838				4.3		30.0			
1,2-Dichloroethane	+++++ 0.2057	0.2124 0.1970	0.2101 0.1977	0.1998	0.2117	Ave		0.2049				3.3		30.0			
n-Heptane	+++++ 0.2782	0.2970 0.2631	0.3064 0.2589	0.2776	0.2909	Ave		0.2817				6.2		30.0			
n-Butanol	+++++ 0.1065	+++++ 0.1015	+++++ 0.1011	0.0934	0.0831	Ave		0.0971				9.4		30.0			
Trichloroethene	0.3441 0.2794	0.2994 0.2916	0.2963 0.2732	0.2670	0.3026	Ave		0.2942				8.1		30.0			
1,2-Dichloropropane	+++++ 0.2234	0.2240 0.2155	0.2260 0.2160	0.2183	0.2299	Ave		0.2219				2.4		30.0			
Methyl methacrylate	+++++ 0.2250	+++++ 0.2165	0.2229 0.2185	0.2157	0.2280	Ave		0.2211				2.2		30.0			
1,4-Dioxane	+++++ 0.1176	+++++ 0.1179	+++++ 0.1091	0.1077	0.0960	Ave		0.1097				8.2		30.0			
Dibromomethane	+++++ 0.3388	0.3994 0.3610	0.3784 0.3428	0.3179	0.3380	Ave		0.3538				7.8		30.0			
Bromodichloromethane	+++++ 0.4338	0.3914 0.4029	0.4077 0.4202	0.4152	0.4459	Ave		0.4167				4.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.3553	0.3367 0.3450	0.3436 0.3491	0.3408	0.3671	Ave		0.3482				2.9		30.0			
methyl isobutyl ketone	+++++ 0.3868	+++++ 0.3668	0.3983 0.3610	0.3809	0.3961	Ave		0.3817				4.0		30.0			
Toluene	+++++ 0.5051	0.5341 0.4972	0.5296 0.4915	0.4901	0.5166	Ave		0.5092				3.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.4270	0.4721 0.4004	0.4763 0.3858	0.4286	0.4460	Ave		0.4337				7.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.3582	0.3895 0.3419	0.3985 0.3458	0.3417	0.3665	Ave		0.3631				6.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2392	0.2492 0.2312	0.2406 0.2317	0.2283	0.2428	Ave		0.2376				3.1		30.0			
Tetrachloroethene	0.5710 0.5011	0.4954 0.4946	0.5091 0.5007	0.4736	0.5113	Ave		0.5071				5.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3841	+++++ 0.3654	0.3897 0.3577	0.3804	0.3913	Ave		0.3781				3.6		30.0			
Dibromochloromethane	+++++ 0.5375	0.4313 0.4642	0.4293 0.5194	0.5012	0.5551	Ave		0.4912				10.3		30.0			
1,2-Dibromoethane	+++++ 0.4791	0.4546 0.4647	0.4653 0.4681	0.4535	0.4856	Ave		0.4673				2.5		30.0			
Chlorobenzene	+++++ 0.7297	0.7256 0.7132	0.7409 0.7191	0.7020	0.7447	Ave		0.7250				2.1		30.0			
Ethylbenzene	+++++ 1.1032	1.1096 1.0737	1.1265 1.0765	1.0662	1.1287	Ave		1.0978				2.3		30.0			
n-Nonane	+++++ 0.4676	0.4993 0.4478	0.5022 0.4373	0.4603	0.4843	Ave		0.4713				5.3		30.0			
m,p-Xylene	+++++ 0.4668	0.4714 0.4553	0.4656 0.4546	0.4504	0.4764	Ave		0.4629				2.1		30.0			
Xylene, o-	+++++ 0.4606	0.4648 0.4489	0.4655 0.4506	0.4419	0.4705	Ave		0.4575				2.3		30.0			
Styrene	+++++ 0.7256	0.7048 0.6961	0.7105 0.7162	0.7015	0.7438	Ave		0.7141				2.3		30.0			
Bromoform	+++++ 0.5560	0.3350 0.3882	0.3410 0.5041	0.4937	0.5955	Ave		0.4591				22.8		30.0			
Cumene	+++++ 1.3228	1.3259 1.2755	1.3199 1.2897	1.2647	1.3374	Ave		1.3051				2.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6397	0.6338 0.5688	0.6221 0.6070	0.6139	0.6132	Ave		0.6141				3.8		30.0			
n-Propylbenzene	+++++ 1.5353	1.5493 1.4866	1.5448 1.4748	1.4868	1.5698	Ave		1.5211				2.5		30.0			
1,2,3-Trichloropropane	+++++ 0.4724	+++++ 0.4514	0.4989 0.4471	0.4578	0.4826	Ave		0.4684				4.3		30.0			
n-Decane	+++++ 0.6069	+++++ 0.5702	0.6512 0.5192	0.6006	0.6278	Ave		0.5960				7.8		30.0			
4-Ethyltoluene	+++++ 1.3381	1.3541 1.2907	1.3495 1.2618	1.2779	1.3605	Ave		1.3190				3.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 1.0354	1.0757 1.0002	1.0640 0.9864	1.0022	1.0587	Ave		1.0318				3.5		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1059	1.1096 1.0703	1.1128 1.0341	1.0592	1.1288	Ave		1.0887				3.2		30.0			
Alpha Methyl Styrene	+++++ 0.6047	0.5522 0.5310	0.5708 0.5680	0.5710	0.6196	Ave		0.5739				5.2		30.0			
tert-Butylbenzene	+++++ 1.0994	1.1337 1.0613	1.1213 1.0105	1.0516	1.1174	Ave		1.0850				4.1		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1128	1.1049 1.0775	1.1264 1.0182	1.0659	1.1340	Ave		1.0914				3.7		30.0			
sec-Butylbenzene	+++++ 1.6220	1.6031 1.5643	1.6414 1.4620	1.5637	1.6495	Ave		1.5866				4.1		30.0			
4-Isopropyltoluene	+++++ 1.4308	1.4178 1.3520	1.4261 1.3437	1.3613	1.4478	Ave		1.3971				3.1		30.0			
1,3-Dichlorobenzene	+++++ 0.8507	0.8559 0.8409	0.8573 0.7894	0.8132	0.8679	Ave		0.8393				3.3		30.0			
1,4-Dichlorobenzene	+++++ 0.8572	0.8741 0.8499	0.8638 0.7949	0.8290	0.8776	Ave		0.8495				3.4		30.0			
Benzyl chloride	+++++ 0.9506	0.8526 0.8276	0.8441 0.8771	0.8705	0.9975	Ave		0.8886				7.0		30.0			
n-Undecane	+++++ 0.6292	+++++ 0.5931	+++++ 0.5467	0.6360	0.6547	Ave		0.6119				7.0		30.0			
n-Butylbenzene	+++++ 1.1559	1.2884 1.0253	1.2600 1.1014	1.1698	1.2281	Ave		1.1756				7.9		30.0			
1,2-Dichlorobenzene	+++++ 0.8072	0.8192 0.7905	0.8151 0.7523	0.7657	0.8194	Ave		0.7956				3.4		30.0			
n-Dodecane	+++++ 0.5858	+++++ 0.5673	+++++ 0.3894	0.6344	0.6166	Ave		0.5587				17.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7226	+++++ 0.7720	0.7348 0.7485	0.7000	0.7277	Ave		0.7342				3.3		30.0			
Hexachlorobutadiene	+++++ 0.6939	0.7003 0.6812	0.7237 0.6616	0.6426	0.6796	Ave		0.6833				3.9		30.0			
Naphthalene	+++++ 1.2948	+++++ 1.4968	1.2878 1.4524	1.3528	1.5517	Ave		1.4061				7.8		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6764	0.6735 0.7170	0.6661 0.6369	0.6750	0.7061	Ave		0.6787				3.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92823/4	15313_04.D
Level 2	IC 200-92823/5	15313_05.D
Level 3	IC 200-92823/6	15313_06.D
Level 4	IC 200-92823/7	15313_07.D
Level 5	ICIS 200-92823/8	15313_08.D
Level 6	IC 200-92823/9	15313_09.D
Level 7	IC 200-92823/10	15313_10.D
Level 8	IC 200-92823/11	15313_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	+++++ 115606	+++++ 147627	+++++ 293103	39568	79619	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 536300	+++++ 688331	18447 1416178	174200	367128	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 257975	+++++ 327136	9175 673303	84151	178941	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 544022	7340 696918	18529 1436768	175537	372804	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 151010	+++++ 190924	5361 393541	48700	102928	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 239444	+++++ 302089	10165 611813	77403	165953	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	406 196764	2751 248778	6496 512756	61956	132763	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 135999	1811 172388	4995 353849	43265	92194	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 213878	2883 279157	7429 581679	68219	144302	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 96102	+++++ 122905	3292 256075	31384	65465	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 164678	2913 206973	6750 426323	54555	112761	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 249053	3330 320535	8410 670234	78834	169183	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 589227	8046 757146	20232 1570842	187826	400212	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 274252	+++++ 348993	11005 707953	90462	189558	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 78878	+++++ 152414	18594 370809	45333	58425	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 128246	1517 164407	4104 334842	40793	86055	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 55901	+++++ 57144	+++++ 57386	16554	41527	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 472941	6670 606055	15917 1256523	148836	317169	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 222376	2899 288899	7469 596610	70402	151254	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 245235	+++++ 332279	+++++ 604454	86571	153320	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 563694	+++++ 735941	19072 1508299	180387	382581	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 247161	+++++ 322857	+++++ 624384	72980	138526	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 189105	2737 236424	6592 443769	57849	126757	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 117962	+++++ 151523	+++++ 301814	39587	73804	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 191942	+++++ 245762	8715 492671	64407	132185	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 390536	+++++ 506551	+++++ 1005737	117126	229496	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 611053	8336 791200	20686 1622319	193747	416407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 282198	3908 362220	9769 738694	90452	193989	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 133120	+++++ 170432	4439 351437	43254	89386	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 291527	4353 371423	11217 760933	94069	199848	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1119 379683	4996 484720	12984 998726	121376	258006	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 460901	+++++ 576389	+++++ 1181596	148881	316412	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 279699	3831 360505	9366 748190	87958	188750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 120992	+++++ 157943	5720 317730	39469	77903	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 20908	+++++ 26996	+++++ 54940	6481	13732	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 213592	+++++ 271947	+++++ 550582	69181	142545	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 508708	7080 656531	17489 1352467	162241	345321	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 367117	5156 473473	12595 974894	116145	247969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 538511	7236 692478	18231 1444367	170319	364721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1411 595426	7250 665674	18498 1607404	181327	402821	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1231099	16933 1581525	41917 3206482	397447	838004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 850668	12116 1094952	30066 2248333	271621	573241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 301746	4190 386358	10225 795366	96043	204801	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 408033	5858 515909	14909 1041893	133436	281469	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 156227	+++++ 199142	+++++ 406800	44914	80367	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1377 409861	5905 571789	14420 1099379	128372	292790	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 327591	4419 422687	10996 869152	104929	222412	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 329938	+++++ 424575	10846 879348	103716	220565	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 172495	+++++ 231199	+++++ 438987	51754	92901	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 496840	7879 707881	18413 1379467	152819	327060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 636254	7721 790218	19837 1690582	199622	431391	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 521087	6642 676517	16721 1404582	163830	355200	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 567275	+++++ 719425	19380 1452676	183126	383249	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 727136	10378 957398	25278 1950494	231255	489691	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 626206	9312 785212	23178 1552346	206063	431541	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 525377	7682 670483	19391 1391292	164265	354582	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 344310	4842 445240	11485 919569	107712	230143	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	CBZ	Ave	2234 721350	9626 952351	24300 1986893	223437	484640	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 552940	+++++ 703504	18600 1419344	179506	370855	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 773759	8380 893824	20490 2061192	236482	526159	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 689606	8833 894793	22207 1857346	213957	460295	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1050334	14098 1373195	35363 2853671	331246	705853	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1587982	21560 2067415	53766 4271792	503072	1069819	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 673141	9701 862327	23969 1735272	217187	459000	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 1343786	18319 1753357	44443 3608247	424990	903046	+++++ 30.0	0.400 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 663048	9032 864306	22217 1787948	208525	445933	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1044542	13694 1340404	33909 2842089	330977	704947	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 800301	6509 747541	16277 2000470	232957	564392	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1904124	25764 2455967	62997 5117881	596746	1267613	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 920841	12316 1095183	29690 2408856	289659	581197	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 2210049	30105 2862524	73727 5852479	701499	1487902	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 680056	+++++ 869202	23812 1774249	216002	457424	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 873541	+++++ 1097936	31078 2060487	283369	595025	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1926124	26312 2485215	64410 5007218	602938	1289537	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1490410	20902 1925859	50782 3914379	472878	1003429	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1591961	21561 2060828	53113 4103368	499768	1069946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 870386	10730 1022373	27241 2253838	269421	587298	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1582555	22029 2043539	53515 4010081	496200	1059064	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29276-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	CBZ	Ave	+++++ 1601792	21469 2074788	53761 4040427	502925	1074809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 2334756	31149 3012184	78341 5801638	737805	1563449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 2059610	27549 2603395	68063 5332076	642290	1372257	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1224566	16631 1619152	40915 3132687	383696	822626	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1233878	16984 1636540	41228 3154352	391164	831794	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1368379	16566 1593524	40288 3480432	410726	945439	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 905738	+++++ 1142006	+++++ 2169541	300072	620516	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1663811	25035 1974285	60138 4370458	551929	1164033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1161892	15918 1522188	38902 2985410	361270	776660	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 843183	+++++ 1092276	+++++ 1545129	299345	584392	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1040101	+++++ 1486418	35069 2970105	330266	689770	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 998827	13607 1311617	34540 2625229	303192	644122	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1863786	+++++ 2882160	61461 5763656	638299	1470735	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 973583	13086 1380654	31792 2527390	318508	669275	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92823/4	15313_04.D
Level 2	IC 200-92823/5	15313_05.D
Level 3	IC 200-92823/6	15313_06.D
Level 4	IC 200-92823/7	15313_07.D
Level 5	ICIS 200-92823/8	15313_08.D
Level 6	IC 200-92823/9	15313_09.D
Level 7	IC 200-92823/10	15313_10.D
Level 8	IC 200-92823/11	15313_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	+++++ 0.4217	+++++ 0.3861	+++++ 0.3746	0.4479	0.4467	Ave		0.4154				8.2		30.0			
Dichlorodifluoromethane	+++++ 1.9562	+++++ 1.8005	2.0724 1.8099	1.9718	2.0597	Ave		1.9451				6.1		30.0			
Freon 22	+++++ 0.9410	+++++ 0.8557	1.0308 0.8605	0.9525	1.0039	Ave		0.9407				7.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.9844	2.0400 1.8229	2.0816 1.8362	1.9869	2.0916	Ave		1.9777				5.5		30.0			
Chloromethane	+++++ 0.5508	+++++ 0.4994	0.6023 0.5030	0.5512	0.5775	Ave		0.5474				7.4		30.0			
n-Butane	+++++ 0.8734	+++++ 0.7902	1.1420 0.7819	0.8761	0.9311	Ave		0.8991				14.7		30.0			
Vinyl chloride	0.5581 0.7177	0.7646 0.6507	0.7298 0.6553	0.7013	0.7448	Ave		0.6903				9.7		30.0			
1,3-Butadiene	+++++ 0.4961	0.5033 0.4509	0.5612 0.4522	0.4897	0.5172	Ave		0.4958				7.7		30.0			
Bromomethane	+++++ 0.7801	0.8013 0.7302	0.8346 0.7434	0.7722	0.8096	Ave		0.7816				4.7		30.0			
Chloroethane	+++++ 0.3505	+++++ 0.3215	0.3698 0.3273	0.3552	0.3673	Ave		0.3486				5.8		30.0			
Isopentane	+++++ 0.6007	0.8096 0.5414	0.7583 0.5449	0.6175	0.6326	Ave		0.6436				16.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9084	0.9255 0.8384	0.9448 0.8566	0.8923	0.9492	Ave		0.9022				4.7		30.0			
Trichlorofluoromethane	+++++ 2.1493	2.2362 1.9805	2.2729 2.0076	2.1260	2.2453	Ave		2.1454				5.4		30.0			
n-Pentane	+++++ 1.0004	+++++ 0.9129	1.2363 0.9048	1.0239	1.0635	Ave		1.0236				11.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.2153	+++++ 0.1993	0.2086 0.1896	0.2564	0.2184	Ave		0.2146				10.7		30.0			
Ethyl ether	+++++ 0.4678	0.4216 0.4300	0.4611 0.4279	0.4617	0.4828	Ave		0.4504				5.2		30.0			
Acrolein	+++++ 0.2039	+++++ 0.1495	+++++ 0.0733	0.1874	0.2330	Ave		0.1694				36.4	*	30.0			
Freon TF	+++++ 1.7251	1.8538 1.5853	1.7882 1.6059	1.6847	1.7794	Ave		1.7175				5.7		30.0			
1,1-Dichloroethene	+++++ 0.8111	0.8057 0.7557	0.8391 0.7625	0.7969	0.8486	Ave		0.8028				4.4		30.0			
Acetone	+++++ 0.8945	+++++ 0.8691	+++++ 0.7725	0.9799	0.8602	Ave		0.8752				8.5		30.0			
Carbon disulfide	+++++ 2.0561	+++++ 1.9250	2.1426 1.9277	2.0418	2.1464	Ave		2.0399				4.8		30.0			
Isopropyl alcohol	+++++ 0.9015	+++++ 0.8445	+++++ 0.7980	0.8261	0.7772	Ave		0.8295				5.8		30.0			
3-Chloropropene	+++++ 0.6898	0.7607 0.6184	0.7406 0.5672	0.6548	0.7111	Ave		0.6775				10.1		30.0			
Acetonitrile	+++++ 0.4303	+++++ 0.3963	+++++ 0.3857	0.4481	0.4141	Ave		0.4149				6.1		30.0			
Methylene Chloride	+++++ 0.7001	+++++ 0.6428	0.9791 0.6297	0.7290	0.7416	Ave		0.7371				17.2		30.0			
tert-Butyl alcohol	+++++ 1.4245	+++++ 1.3250	+++++ 1.2854	1.3257	1.2875	Ave		1.3296				4.2		30.0			
Methyl tert-butyl ether	+++++ 2.2289	2.3168 2.0695	2.3239 2.0734	2.1930	2.3362	Ave		2.2202				5.2		30.0			
trans-1,2-Dichloroethene	+++++ 1.0293	1.0861 0.9475	1.0975 0.9441	1.0238	1.0883	Ave		1.0310				6.3		30.0			
Acrylonitrile	+++++ 0.4856	+++++ 0.4458	0.4987 0.4492	0.4896	0.5015	Ave		0.4784				5.2		30.0			
n-Hexane	+++++ 1.0634	1.2098 0.9715	1.2602 0.9725	1.0648	1.1212	Ave		1.0948				10.1		30.0			
1,1-Dichloroethane	1.5382 1.3849	1.3885 1.2679	1.4587 1.2764	1.3738	1.4475	Ave		1.3920				6.5		30.0			
Vinyl acetate	+++++ 1.6812	+++++ 1.5077	+++++ 1.5101	1.6852	1.7752	Ave		1.6319				7.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.0202	1.0647 0.9430	1.0522 0.9562	0.9956	1.0590	Ave		1.0130				4.9		30.0			
Methyl Ethyl Ketone	+++++ 0.4413	+++++ 0.4131	0.6426 0.4061	0.4467	0.4371	Ave		0.4645				19.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.0763	+++++ 0.0706	+++++ 0.0702	0.0734	0.0770	Ave		0.0735				4.3		30.0			
Tetrahydrofuran	+++++ 0.1456	+++++ 0.1387	+++++ 0.1368	0.1439	0.1473	Ave		0.1425				3.2		30.0			
Chloroform	+++++ 1.8556	1.9677 1.7173	1.9648 1.7285	1.8364	1.9374	Ave		1.8582				5.7		30.0			
Cyclohexane	+++++ 0.2503	0.2614 0.2414	0.2588 0.2423	0.2416	0.2563	Ave		0.2503				3.5		30.0			
1,1,1-Trichloroethane	+++++ 0.3672	0.3668 0.3531	0.3747 0.3590	0.3543	0.3770	Ave		0.3646				2.6		30.0			
Carbon tetrachloride	0.3526 0.4060	0.3676 0.3394	0.3802 0.3995	0.3772	0.4163	Ave		0.3798				7.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.8394	0.8585 0.8064	0.8614 0.7969	0.8267	0.8661	Ave		0.8365				3.3		30.0			
Benzene	+++++ 0.5800	0.6142 0.5583	0.6179 0.5588	0.5650	0.5925	Ave		0.5838				4.3		30.0			
1,2-Dichloroethane	+++++ 0.2057	0.2124 0.1970	0.2101 0.1977	0.1998	0.2117	Ave		0.2049				3.3		30.0			
n-Heptane	+++++ 0.2782	0.2970 0.2631	0.3064 0.2589	0.2776	0.2909	Ave		0.2817				6.2		30.0			
n-Butanol	+++++ 0.1065	+++++ 0.1015	+++++ 0.1011	0.0934	0.0831	Ave		0.0971				9.4		30.0			
Trichloroethene	0.3441 0.2794	0.2994 0.2916	0.2963 0.2732	0.2670	0.3026	Ave		0.2942				8.1		30.0			
1,2-Dichloropropane	+++++ 0.2234	0.2240 0.2155	0.2260 0.2160	0.2183	0.2299	Ave		0.2219				2.4		30.0			
Methyl methacrylate	+++++ 0.2250	+++++ 0.2165	0.2229 0.2185	0.2157	0.2280	Ave		0.2211				2.2		30.0			
1,4-Dioxane	+++++ 0.1176	+++++ 0.1179	+++++ 0.1091	0.1077	0.0960	Ave		0.1097				8.2		30.0			
Dibromomethane	+++++ 0.3388	0.3994 0.3610	0.3784 0.3428	0.3179	0.3380	Ave		0.3538				7.8		30.0			
Bromodichloromethane	+++++ 0.4338	0.3914 0.4029	0.4077 0.4202	0.4152	0.4459	Ave		0.4167				4.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.3553	0.3367 0.3450	0.3436 0.3491	0.3408	0.3671	Ave		0.3482				2.9		30.0			
methyl isobutyl ketone	+++++ 0.3868	+++++ 0.3668	0.3983 0.3610	0.3809	0.3961	Ave		0.3817				4.0		30.0			
Toluene	+++++ 0.5051	0.5341 0.4972	0.5296 0.4915	0.4901	0.5166	Ave		0.5092				3.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 0.4270	0.4721 0.4004	0.4763 0.3858	0.4286	0.4460	Ave		0.4337				7.8		30.0			
trans-1,3-Dichloropropene	+++++ 0.3582	0.3895 0.3419	0.3985 0.3458	0.3417	0.3665	Ave		0.3631				6.4		30.0			
1,1,2-Trichloroethane	+++++ 0.2392	0.2492 0.2312	0.2406 0.2317	0.2283	0.2428	Ave		0.2376				3.1		30.0			
Tetrachloroethene	0.5710 0.5011	0.4954 0.4946	0.5091 0.5007	0.4736	0.5113	Ave		0.5071				5.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3841	+++++ 0.3654	0.3897 0.3577	0.3804	0.3913	Ave		0.3781				3.6		30.0			
Dibromochloromethane	+++++ 0.5375	0.4313 0.4642	0.4293 0.5194	0.5012	0.5551	Ave		0.4912				10.3		30.0			
1,2-Dibromoethane	+++++ 0.4791	0.4546 0.4647	0.4653 0.4681	0.4535	0.4856	Ave		0.4673				2.5		30.0			
Chlorobenzene	+++++ 0.7297	0.7256 0.7132	0.7409 0.7191	0.7020	0.7447	Ave		0.7250				2.1		30.0			
Ethylbenzene	+++++ 1.1032	1.1096 1.0737	1.1265 1.0765	1.0662	1.1287	Ave		1.0978				2.3		30.0			
n-Nonane	+++++ 0.4676	0.4993 0.4478	0.5022 0.4373	0.4603	0.4843	Ave		0.4713				5.3		30.0			
m,p-Xylene	+++++ 0.4668	0.4714 0.4553	0.4656 0.4546	0.4504	0.4764	Ave		0.4629				2.1		30.0			
Xylene, o-	+++++ 0.4606	0.4648 0.4489	0.4655 0.4506	0.4419	0.4705	Ave		0.4575				2.3		30.0			
Styrene	+++++ 0.7256	0.7048 0.6961	0.7105 0.7162	0.7015	0.7438	Ave		0.7141				2.3		30.0			
Bromoform	+++++ 0.5560	0.3350 0.3882	0.3410 0.5041	0.4937	0.5955	Ave		0.4591				22.8		30.0			
Cumene	+++++ 1.3228	1.3259 1.2755	1.3199 1.2897	1.2647	1.3374	Ave		1.3051				2.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6397	0.6338 0.5688	0.6221 0.6070	0.6139	0.6132	Ave		0.6141				3.8		30.0			
n-Propylbenzene	+++++ 1.5353	1.5493 1.4866	1.5448 1.4748	1.4868	1.5698	Ave		1.5211				2.5		30.0			
1,2,3-Trichloropropane	+++++ 0.4724	+++++ 0.4514	0.4989 0.4471	0.4578	0.4826	Ave		0.4684				4.3		30.0			
n-Decane	+++++ 0.6069	+++++ 0.5702	0.6512 0.5192	0.6006	0.6278	Ave		0.5960				7.8		30.0			
4-Ethyltoluene	+++++ 1.3381	1.3541 1.2907	1.3495 1.2618	1.2779	1.3605	Ave		1.3190				3.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 1.0354	1.0757 1.0002	1.0640 0.9864	1.0022	1.0587	Ave		1.0318				3.5		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1059	1.1096 1.0703	1.1128 1.0341	1.0592	1.1288	Ave		1.0887				3.2		30.0			
Alpha Methyl Styrene	+++++ 0.6047	0.5522 0.5310	0.5708 0.5680	0.5710	0.6196	Ave		0.5739				5.2		30.0			
tert-Butylbenzene	+++++ 1.0994	1.1337 1.0613	1.1213 1.0105	1.0516	1.1174	Ave		1.0850				4.1		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1128	1.1049 1.0775	1.1264 1.0182	1.0659	1.1340	Ave		1.0914				3.7		30.0			
sec-Butylbenzene	+++++ 1.6220	1.6031 1.5643	1.6414 1.4620	1.5637	1.6495	Ave		1.5866				4.1		30.0			
4-Isopropyltoluene	+++++ 1.4308	1.4178 1.3520	1.4261 1.3437	1.3613	1.4478	Ave		1.3971				3.1		30.0			
1,3-Dichlorobenzene	+++++ 0.8507	0.8559 0.8409	0.8573 0.7894	0.8132	0.8679	Ave		0.8393				3.3		30.0			
1,4-Dichlorobenzene	+++++ 0.8572	0.8741 0.8499	0.8638 0.7949	0.8290	0.8776	Ave		0.8495				3.4		30.0			
Benzyl chloride	+++++ 0.9506	0.8526 0.8276	0.8441 0.8771	0.8705	0.9975	Ave		0.8886				7.0		30.0			
n-Undecane	+++++ 0.6292	+++++ 0.5931	+++++ 0.5467	0.6360	0.6547	Ave		0.6119				7.0		30.0			
n-Butylbenzene	+++++ 1.1559	1.2884 1.0253	1.2600 1.1014	1.1698	1.2281	Ave		1.1756				7.9		30.0			
1,2-Dichlorobenzene	+++++ 0.8072	0.8192 0.7905	0.8151 0.7523	0.7657	0.8194	Ave		0.7956				3.4		30.0			
n-Dodecane	+++++ 0.5858	+++++ 0.5673	+++++ 0.3894	0.6344	0.6166	Ave		0.5587				17.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7226	+++++ 0.7720	0.7348 0.7485	0.7000	0.7277	Ave		0.7342				3.3		30.0			
Hexachlorobutadiene	+++++ 0.6939	0.7003 0.6812	0.7237 0.6616	0.6426	0.6796	Ave		0.6833				3.9		30.0			
Naphthalene	+++++ 1.2948	+++++ 1.4968	1.2878 1.4524	1.3528	1.5517	Ave		1.4061				7.8		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6764	0.6735 0.7170	0.6661 0.6369	0.6750	0.7061	Ave		0.6787				3.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-92823/4	15313_04.D
Level 2	IC 200-92823/5	15313_05.D
Level 3	IC 200-92823/6	15313_06.D
Level 4	IC 200-92823/7	15313_07.D
Level 5	ICIS 200-92823/8	15313_08.D
Level 6	IC 200-92823/9	15313_09.D
Level 7	IC 200-92823/10	15313_10.D
Level 8	IC 200-92823/11	15313_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	+++++ 115606	+++++ 147627	+++++ 293103	39568	79619	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 536300	+++++ 688331	18447 1416178	174200	367128	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 257975	+++++ 327136	9175 673303	84151	178941	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 544022	7340 696918	18529 1436768	175537	372804	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 151010	+++++ 190924	5361 393541	48700	102928	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 239444	+++++ 302089	10165 611813	77403	165953	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	406 196764	2751 248778	6496 512756	61956	132763	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 135999	1811 172388	4995 353849	43265	92194	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 213878	2883 279157	7429 581679	68219	144302	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 96102	+++++ 122905	3292 256075	31384	65465	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 164678	2913 206973	6750 426323	54555	112761	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 249053	3330 320535	8410 670234	78834	169183	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 589227	8046 757146	20232 1570842	187826	400212	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 274252	+++++ 348993	11005 707953	90462	189558	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 78878	+++++ 152414	18594 370809	45333	58425	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 128246	1517 164407	4104 334842	40793	86055	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 55901	+++++ 57144	+++++ 57386	16554	41527	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 472941	6670 606055	15917 1256523	148836	317169	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 222376	2899 288899	7469 596610	70402	151254	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 245235	+++++ 332279	+++++ 604454	86571	153320	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 563694	+++++ 735941	19072 1508299	180387	382581	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 247161	+++++ 322857	+++++ 624384	72980	138526	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 189105	2737 236424	6592 443769	57849	126757	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 117962	+++++ 151523	+++++ 301814	39587	73804	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 191942	+++++ 245762	8715 492671	64407	132185	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 390536	+++++ 506551	+++++ 1005737	117126	229496	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 611053	8336 791200	20686 1622319	193747	416407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 282198	3908 362220	9769 738694	90452	193989	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 133120	+++++ 170432	4439 351437	43254	89386	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 291527	4353 371423	11217 760933	94069	199848	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1119 379683	4996 484720	12984 998726	121376	258006	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 460901	+++++ 576389	+++++ 1181596	148881	316412	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 279699	3831 360505	9366 748190	87958	188750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 120992	+++++ 157943	5720 317730	39469	77903	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 20908	+++++ 26996	+++++ 54940	6481	13732	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 213592	+++++ 271947	+++++ 550582	69181	142545	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	+++++ 508708	7080 656531	17489 1352467	162241	345321	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 367117	5156 473473	12595 974894	116145	247969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 538511	7236 692478	18231 1444367	170319	364721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1411 595426	7250 665674	18498 1607404	181327	402821	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 1231099	16933 1581525	41917 3206482	397447	838004	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 850668	12116 1094952	30066 2248333	271621	573241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 301746	4190 386358	10225 795366	96043	204801	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 408033	5858 515909	14909 1041893	133436	281469	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 156227	+++++ 199142	+++++ 406800	44914	80367	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1377 409861	5905 571789	14420 1099379	128372	292790	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 327591	4419 422687	10996 869152	104929	222412	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 329938	+++++ 424575	10846 879348	103716	220565	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 172495	+++++ 231199	+++++ 438987	51754	92901	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 496840	7879 707881	18413 1379467	152819	327060	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 636254	7721 790218	19837 1690582	199622	431391	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 521087	6642 676517	16721 1404582	163830	355200	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 567275	+++++ 719425	19380 1452676	183126	383249	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 727136	10378 957398	25278 1950494	231255	489691	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 626206	9312 785212	23178 1552346	206063	431541	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 525377	7682 670483	19391 1391292	164265	354582	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 344310	4842 445240	11485 919569	107712	230143	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	CBZ	Ave	2234 721350	9626 952351	24300 1986893	223437	484640	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 552940	+++++ 703504	18600 1419344	179506	370855	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 773759	8380 893824	20490 2061192	236482	526159	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 689606	8833 894793	22207 1857346	213957	460295	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1050334	14098 1373195	35363 2853671	331246	705853	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1587982	21560 2067415	53766 4271792	503072	1069819	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 673141	9701 862327	23969 1735272	217187	459000	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 1343786	18319 1753357	44443 3608247	424990	903046	+++++ 30.0	0.400 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 663048	9032 864306	22217 1787948	208525	445933	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1044542	13694 1340404	33909 2842089	330977	704947	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 800301	6509 747541	16277 2000470	232957	564392	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1904124	25764 2455967	62997 5117881	596746	1267613	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 920841	12316 1095183	29690 2408856	289659	581197	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 2210049	30105 2862524	73727 5852479	701499	1487902	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 680056	+++++ 869202	23812 1774249	216002	457424	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 873541	+++++ 1097936	31078 2060487	283369	595025	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1926124	26312 2485215	64410 5007218	602938	1289537	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1490410	20902 1925859	50782 3914379	472878	1003429	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1591961	21561 2060828	53113 4103368	499768	1069946	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 870386	10730 1022373	27241 2253838	269421	587298	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1582555	22029 2043539	53515 4010081	496200	1059064	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-29304-1 Analy Batch No.: 92823

SDG No.:

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/17/2015 18:04 Calibration End Date: 08/17/2015 23:52 Calibration ID: 31716

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	CBZ	Ave	+++++ 1601792	21469 2074788	53761 4040427	502925	1074809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 2334756	31149 3012184	78341 5801638	737805	1563449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 2059610	27549 2603395	68063 5332076	642290	1372257	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1224566	16631 1619152	40915 3132687	383696	822626	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1233878	16984 1636540	41228 3154352	391164	831794	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1368379	16566 1593524	40288 3480432	410726	945439	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 905738	+++++ 1142006	+++++ 2169541	300072	620516	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1663811	25035 1974285	60138 4370458	551929	1164033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1161892	15918 1522188	38902 2985410	361270	776660	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 843183	+++++ 1092276	+++++ 1545129	299345	584392	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1040101	+++++ 1486418	35069 2970105	330266	689770	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 998827	13607 1311617	34540 2625229	303192	644122	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1863786	+++++ 2882160	61461 5763656	638299	1470735	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 973583	13086 1380654	31792 2527390	318508	669275	+++++ 15.0	0.200 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.: 200-29085-1

SDG No.:

Lab Sample ID: ICV 200-89271/13 Calibration Date: 06/05/2015 02:10

Instrument ID: CHG.i Calib Start Date: 06/04/2015 17:41

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2015 23:37

Lab File ID: 13946_13.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	0.4828	0.3958		8.20	10.0	-18.0	30.0
Dichlorodifluoromethane	Ave	3.238	2.751		8.49	10.0	-15.0	30.0
Freon 22	Ave	1.341	1.158		8.63	10.0	-13.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.421	2.350		9.70	10.0	-2.9	30.0
Chloromethane	Ave	0.6305	0.5157		8.18	10.0	-18.2	30.0
n-Butane	Ave	0.8436	0.6983		8.28	10.0	-17.2	30.0
Vinyl chloride	Ave	0.7100	0.6178		8.70	10.0	-13.0	30.0
1,3-Butadiene	Ave	0.4599	0.3782		8.22	10.0	-17.8	30.0
Bromomethane	Ave	0.9519	0.8147		8.56	10.0	-14.4	30.0
Chloroethane	Ave	0.2629	0.2117		8.05	10.0	-19.5	30.0
Isopentane	Ave	0.5467	0.4760		8.71	10.0	-12.9	30.0
Bromoethene(Vinyl Bromide)	Ave	1.041	0.8934		8.58	10.0	-14.1	30.0
Trichlorofluoromethane	Ave	3.265	2.773		8.49	10.0	-15.1	30.0
n-Pentane	Ave	0.8222	0.7657		9.31	10.0	-6.9	30.0
Ethanol	Ave	0.2136	0.1962		13.8	15.0	-8.1	30.0
Ethyl ether	Ave	0.3453	0.3120		9.03	10.0	-9.6	30.0
Acrolein	Ave	0.1669	0.1582		9.48	10.0	-5.2	30.0
Freon TF	Ave	1.856	1.571		8.46	10.0	-15.3	30.0
1,1-Dichloroethene	Ave	0.7642	0.6449		8.44	10.0	-15.6	30.0
Acetone	Ave	0.8602	0.7873		9.15	10.0	-8.5	30.0
Carbon disulfide	Ave	1.988	1.957		9.84	10.0	-1.5	30.0
Isopropyl alcohol	Ave	0.6870	0.6336		9.22	10.0	-7.8	30.0
3-Chloropropene	Ave	0.6225	0.5115		8.22	10.0	-17.8	30.0
Acetonitrile	Ave	0.3382	0.3089		9.13	10.0	-8.7	30.0
Methylene Chloride	Ave	0.7784	0.6376		8.19	10.0	-18.1	30.0
tert-Butyl alcohol	Ave	1.090	1.019		9.35	10.0	-6.5	30.0
Methyl tert-butyl ether	Ave	1.902	1.508		7.92	10.0	-20.7	30.0
trans-1,2-Dichloroethene	Ave	0.9795	0.9021		9.21	10.0	-7.9	30.0
Acrylonitrile	Ave	0.3425	0.2855		8.33	10.0	-16.6	30.0
n-Hexane	Ave	0.7512	0.6520		8.68	10.0	-13.2	30.0
1,1-Dichloroethane	Ave	1.322	1.104		8.35	10.0	-16.5	30.0
Vinyl acetate	Ave	1.458	1.109		7.60	10.0	-24.0	30.0
cis-1,2-Dichloroethene	Ave	0.9677	0.8004		8.27	10.0	-17.3	30.0
Methyl Ethyl Ketone	Ave	0.3046	0.2500		8.21	10.0	-17.9	30.0
Ethyl acetate	Ave	0.0436	0.0370		8.47	10.0	-15.2	30.0
Tetrahydrofuran	Ave	0.1171	0.0998		8.52	10.0	-14.8	30.0
Chloroform	Ave	2.426	2.027		8.35	10.0	-16.5	30.0
Cyclohexane	Ave	0.1889	0.1640		8.68	10.0	-13.2	30.0
1,1,1-Trichloroethane	Ave	0.5232	0.4506		8.61	10.0	-13.9	30.0
Carbon tetrachloride	Ave	0.6273	0.5652		9.01	10.0	-9.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Lab Sample ID: ICV 200-89271/13 Calibration Date: 06/05/2015 02:10

Instrument ID: CHG.i Calib Start Date: 06/04/2015 17:41

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2015 23:37

Lab File ID: 13946_13.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
Benzene	Ave	0.5287	0.4447		8.41	10.0	-15.9	30.0
2,2,4-Trimethylpentane	Ave	0.6860	0.5910		8.61	10.0	-13.9	30.0
1,2-Dichloroethane	Ave	0.3269	0.2791		8.54	10.0	-14.6	30.0
n-Heptane	Ave	0.2719	0.2286		8.41	10.0	-15.9	30.0
n-Butanol	Ave	0.0783	0.0846		10.8	10.0	7.9	30.0
Trichloroethene	Ave	0.3590	0.3079		8.58	10.0	-14.2	30.0
1,2-Dichloropropane	Ave	0.2561	0.2166		8.46	10.0	-15.4	30.0
Methyl methacrylate	Ave	0.2090	0.1756		8.40	10.0	-16.0	30.0
1,4-Dioxane	Ave	0.1048	0.1222		11.7	10.0	16.5	30.0
Dibromomethane	Ave	0.4719	0.4028		8.53	10.0	-14.6	30.0
Bromodichloromethane	Ave	0.7582	0.6637		8.75	10.0	-12.5	30.0
cis-1,3-Dichloropropene	Ave	0.5109	0.4500		8.81	10.0	-11.9	30.0
methyl isobutyl ketone	Ave	0.6009	0.5169		8.60	10.0	-14.0	30.0
Toluene	Ave	0.5245	0.4138		7.89	10.0	-21.1	30.0
n-Octane	Ave	0.6263	0.5432		8.67	10.0	-13.3	30.0
trans-1,3-Dichloropropene	Ave	0.5411	0.4739		8.76	10.0	-12.4	30.0
1,1,2-Trichloroethane	Ave	0.2874	0.2313		8.05	10.0	-19.5	30.0
Tetrachloroethene	Ave	0.5740	0.4514		7.86	10.0	-21.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4751	0.3773		7.94	10.0	-20.6	30.0
Dibromochloromethane	Ave	0.7551	0.5921		7.84	10.0	-21.6	30.0
1,2-Dibromoethane	Ave	0.5653	0.4498		7.96	10.0	-20.4	30.0
Chlorobenzene	Ave	0.7323	0.5752		7.85	10.0	-21.5	30.0
Ethylbenzene	Ave	1.138	0.8820		7.75	10.0	-22.5	30.0
n-Nonane	Ave	0.4624	0.3670		7.93	10.0	-20.6	30.0
m,p-Xylene	Ave	0.4449	0.3405		15.3	20.0	-23.5	30.0
Xylene, o-	Ave	0.4603	0.3494		7.59	10.0	-24.1	30.0
Styrene	Ave	0.6457	0.5046		7.81	10.0	-21.9	30.0
Bromoform	Ave	0.7806	0.6275		8.04	10.0	-19.6	30.0
Cumene	Ave	1.295	0.9739		7.52	10.0	-24.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7164	0.5637		7.87	10.0	-21.3	30.0
1,2,3-Trichloropropane	Ave	0.5243	0.4058		7.74	10.0	-22.6	30.0
n-Propylbenzene	Ave	1.457	1.122		7.70	10.0	-23.0	30.0
2-Chlorotoluene	Ave	1.043	0.8246		7.90	10.0	-21.0	30.0
4-Ethyltoluene	Ave	1.175	0.9257		7.88	10.0	-21.2	30.0
n-Decane	Ave	0.5173	0.3961		7.66	10.0	-23.4	30.0
1,3,5-Trimethylbenzene	Ave	1.067	0.8018		7.51	10.0	-24.8	30.0
Alpha Methyl Styrene	Ave	0.5195	0.4047		7.79	10.0	-22.1	30.0
tert-Butylbenzene	Ave	1.017	0.7575		7.45	10.0	-25.5	30.0
1,2,4-Trimethylbenzene	Ave	1.048	0.7939		7.57	10.0	-24.3	30.0
sec-Butylbenzene	Ave	1.472	1.113		7.56	10.0	-24.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Lab Sample ID: ICV 200-89271/13 Calibration Date: 06/05/2015 02:10

Instrument ID: CHG.i Calib Start Date: 06/04/2015 17:41

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2015 23:37

Lab File ID: 13946_13.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	1.204	0.9152		7.60	10.0	-24.0	30.0
1,3-Dichlorobenzene	Ave	0.7981	0.6034		7.56	10.0	-24.4	30.0
1,4-Dichlorobenzene	Ave	0.8028	0.5934		7.39	10.0	-26.1	30.0
Benzyl chloride	Ave	0.9371	0.7027		7.50	10.0	-25.0	30.0
n-Butylbenzene	Ave	1.097	0.8436		7.69	10.0	-23.1	30.0
n-Undecane	Ave	0.5384	0.4049		7.52	10.0	-24.8	30.0
1,2-Dichlorobenzene	Ave	0.7736	0.5672		7.33	10.0	-26.7	30.0
n-Dodecane	Ave	0.3861	0.3332		8.63	10.0	-13.7	30.0
1,2,4-Trichlorobenzene	Ave	0.5508	0.4040		7.33	10.0	-26.7	30.0
Hexachlorobutadiene	Ave	0.5634	0.4106		7.29	10.0	-27.1	30.0
Naphthalene	Ave	0.9688	0.7022		7.25	10.0	-27.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4570	0.3273		7.16	10.0	-28.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Lab Sample ID: CCVIS 200-92567/2 Calibration Date: 08/11/2015 12:18

Instrument ID: CHG.i Calib Start Date: 06/04/2015 17:41

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2015 23:37

Lab File ID: 15221_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	0.4828	0.4914		10.2	10.0	1.8	30.0
Dichlorodifluoromethane	Ave	3.238	3.180		9.82	10.0	-1.8	30.0
Freon 22	Ave	1.341	1.350		10.1	10.0	0.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.421	2.437		10.1	10.0	0.7	30.0
Chloromethane	Ave	0.6305	0.6468		10.3	10.0	2.6	30.0
n-Butane	Ave	0.8436	0.8502		10.1	10.0	0.8	30.0
Vinyl chloride	Ave	0.7100	0.7513		10.6	10.0	5.8	30.0
1,3-Butadiene	Ave	0.4599	0.4619		10.0	10.0	0.5	30.0
Bromomethane	Ave	0.9519	0.9543		10.0	10.0	0.2	30.0
Chloroethane	Ave	0.2629	0.2577		9.80	10.0	-2.0	30.0
Isopentane	Ave	0.5467	0.4975		9.10	10.0	-9.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.041	1.033		9.93	10.0	-0.7	30.0
Trichlorofluoromethane	Ave	3.265	3.043		9.32	10.0	-6.8	30.0
n-Pentane	Ave	0.8222	0.7879		9.58	10.0	-4.2	30.0
Ethanol	Ave	0.2136	0.1785		12.5	15.0	-16.4	30.0
Ethyl ether	Ave	0.3453	0.3310		9.58	10.0	-4.1	30.0
Acrolein	Ave	0.1669	0.1431		8.57	10.0	-14.3	30.0
Freon TF	Ave	1.856	1.785		9.61	10.0	-3.9	30.0
1,1-Dichloroethene	Ave	0.7642	0.7496		9.81	10.0	-1.9	30.0
Acetone	Ave	0.8602	0.7927		9.21	10.0	-7.8	30.0
Carbon disulfide	Ave	1.988	2.049		10.3	10.0	3.1	30.0
Isopropyl alcohol	Ave	0.6870	0.5918		8.61	10.0	-13.9	30.0
3-Chloropropene	Ave	0.6225	0.5541		8.90	10.0	-11.0	30.0
Acetonitrile	Ave	0.3382	0.3115		9.21	10.0	-7.9	30.0
Methylene Chloride	Ave	0.7784	0.7263		9.33	10.0	-6.7	30.0
tert-Butyl alcohol	Ave	1.090	0.9464		8.68	10.0	-13.1	30.0
Methyl tert-butyl ether	Ave	1.902	1.722		9.05	10.0	-9.5	30.0
trans-1,2-Dichloroethene	Ave	0.9795	0.9469		9.67	10.0	-3.3	30.0
Acrylonitrile	Ave	0.3425	0.3152		9.20	10.0	-8.0	30.0
n-Hexane	Ave	0.7512	0.6778		9.02	10.0	-9.8	30.0
1,1-Dichloroethane	Ave	1.322	1.248		9.44	10.0	-5.6	30.0
Vinyl acetate	Ave	1.458	1.279		8.77	10.0	-12.3	30.0
cis-1,2-Dichloroethene	Ave	0.9677	0.9822		10.1	10.0	1.5	30.0
Methyl Ethyl Ketone	Ave	0.3046	0.2735		8.98	10.0	-10.2	30.0
Ethyl acetate	Ave	0.0436	0.0402		9.21	10.0	-7.9	30.0
Tetrahydrofuran	Ave	0.1171	0.1131		9.65	10.0	-3.4	30.0
Chloroform	Ave	2.426	2.328		9.59	10.0	-4.1	30.0
Cyclohexane	Ave	0.1889	0.1911		10.1	10.0	1.2	30.0
1,1,1-Trichloroethane	Ave	0.5232	0.5161		9.86	10.0	-1.4	30.0
Carbon tetrachloride	Ave	0.6273	0.6312		10.1	10.0	0.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Lab Sample ID: CCVIS 200-92567/2 Calibration Date: 08/11/2015 12:18

Instrument ID: CHG.i Calib Start Date: 06/04/2015 17:41

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2015 23:37

Lab File ID: 15221_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
Benzene	Ave	0.5287	0.5168		9.77	10.0	-2.3	30.0
2,2,4-Trimethylpentane	Ave	0.6860	0.6765		9.86	10.0	-1.4	30.0
1,2-Dichloroethane	Ave	0.3269	0.3203		9.80	10.0	-2.0	30.0
n-Heptane	Ave	0.2719	0.2624		9.65	10.0	-3.5	30.0
n-Butanol	Ave	0.0783	0.0646		8.24	10.0	-17.5	30.0
Trichloroethene	Ave	0.3590	0.3445		9.59	10.0	-4.0	30.0
1,2-Dichloropropane	Ave	0.2561	0.2457		9.59	10.0	-4.1	30.0
Methyl methacrylate	Ave	0.2090	0.1850		8.85	10.0	-11.5	30.0
Dibromomethane	Ave	0.4719	0.4159		8.81	10.0	-11.9	30.0
1,4-Dioxane	Ave	0.1048	0.0894		8.52	10.0	-14.8	30.0
Bromodichloromethane	Ave	0.7582	0.6827		9.00	10.0	-10.0	30.0
cis-1,3-Dichloropropene	Ave	0.5109	0.4116		8.06	10.0	-19.4	30.0
methyl isobutyl ketone	Ave	0.6009	0.4796		7.98	10.0	-20.2	30.0
Toluene	Ave	0.5245	0.4958		9.45	10.0	-5.5	30.0
n-Octane	Ave	0.6263	0.5504		8.79	10.0	-12.1	30.0
trans-1,3-Dichloropropene	Ave	0.5411	0.4326		7.99	10.0	-20.1	30.0
1,1,2-Trichloroethane	Ave	0.2874	0.2887		10.0	10.0	0.4	30.0
Tetrachloroethene	Ave	0.5740	0.5510		9.60	10.0	-4.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4751	0.4381		9.22	10.0	-7.8	30.0
Dibromochloromethane	Ave	0.7551	0.7491		9.92	10.0	-0.8	30.0
1,2-Dibromoethane	Ave	0.5653	0.5446		9.63	10.0	-3.7	30.0
Chlorobenzene	Ave	0.7323	0.6794		9.28	10.0	-7.2	30.0
Ethylbenzene	Ave	1.138	1.066		9.37	10.0	-6.3	30.0
n-Nonane	Ave	0.4624	0.4600		9.95	10.0	-0.5	30.0
m,p-Xylene	Ave	0.4449	0.4218		19.0	20.0	-5.2	30.0
Xylene, o-	Ave	0.4603	0.4276		9.29	10.0	-7.1	30.0
Styrene	Ave	0.6457	0.6011		9.31	10.0	-6.9	30.0
Bromoform	Ave	0.7806	0.7860		10.1	10.0	0.7	30.0
Cumene	Ave	1.295	1.167		9.01	10.0	-9.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7164	0.7014		9.79	10.0	-2.1	30.0
1,2,3-Trichloropropane	Ave	0.5243	0.5251		10.0	10.0	0.1	30.0
n-Propylbenzene	Ave	1.457	1.403		9.63	10.0	-3.7	30.0
2-Chlorotoluene	Ave	1.043	1.031		9.88	10.0	-1.2	30.0
4-Ethyltoluene	Ave	1.175	1.126		9.58	10.0	-4.1	30.0
n-Decane	Ave	0.5173	0.5180		10.0	10.0	0.1	30.0
1,3,5-Trimethylbenzene	Ave	1.067	0.9495		8.90	10.0	-11.0	30.0
Alpha Methyl Styrene	Ave	0.5195	0.4517		8.69	10.0	-13.1	30.0
tert-Butylbenzene	Ave	1.017	0.8853		8.71	10.0	-12.9	30.0
1,2,4-Trimethylbenzene	Ave	1.048	0.9451		9.02	10.0	-9.8	30.0
sec-Butylbenzene	Ave	1.472	1.328		9.02	10.0	-9.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Lab Sample ID: CCVIS 200-92567/2 Calibration Date: 08/11/2015 12:18

Instrument ID: CHG.i Calib Start Date: 06/04/2015 17:41

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2015 23:37

Lab File ID: 15221_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	1.204	1.115		9.26	10.0	-7.4	30.0
1,3-Dichlorobenzene	Ave	0.7981	0.7573		9.49	10.0	-5.1	30.0
1,4-Dichlorobenzene	Ave	0.8028	0.6702		8.35	10.0	-16.5	30.0
Benzyl chloride	Ave	0.9371	0.7850		8.38	10.0	-16.2	30.0
n-Butylbenzene	Ave	1.097	0.9603		8.76	10.0	-12.4	30.0
n-Undecane	Ave	0.5384	0.4422		8.21	10.0	-17.9	30.0
1,2-Dichlorobenzene	Ave	0.7736	0.6530		8.44	10.0	-15.6	30.0
n-Dodecane	Ave	0.3861	0.3398		8.80	10.0	-12.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5508	0.4511		8.19	10.0	-18.1	30.0
Hexachlorobutadiene	Ave	0.5634	0.4739		8.41	10.0	-15.9	30.0
Naphthalene	Ave	0.9688	0.7767		8.01	10.0	-19.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4570	0.3832		8.38	10.0	-16.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab Sample ID: ICV 200-92213/24 Calibration Date: 08/04/2015 14:48

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15073_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	1.087	0.9858		9.07	10.0	-9.3	30.0
Dichlorodifluoromethane	Ave	3.279	3.020		9.21	10.0	-7.9	30.0
Freon 22	Ave	2.252	2.054		9.12	10.0	-8.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.007	3.080		10.2	10.0	2.4	30.0
Chloromethane	Ave	1.369	1.189		8.68	10.0	-13.2	30.0
n-Butane	Ave	2.832	2.513		8.87	10.0	-11.3	30.0
Vinyl chloride	Ave	1.565	1.379		8.81	10.0	-11.9	30.0
1,3-Butadiene	Ave	1.297	1.148		8.85	10.0	-11.5	30.0
Bromomethane	Ave	1.289	1.239		9.61	10.0	-3.9	30.0
Chloroethane	Ave	1.029	0.9766		9.49	10.0	-5.1	30.0
Isopentane	Ave	3.165	3.069		9.70	10.0	-3.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.234	1.185		9.60	10.0	-4.0	30.0
Trichlorofluoromethane	Ave	3.672	3.489		9.50	10.0	-5.0	30.0
n-Pentane	Ave	4.873	5.002		10.3	10.0	2.7	30.0
Ethanol	Ave	1.065	1.080		15.2	15.0	1.4	30.0
Ethyl ether	Ave	1.447	1.593		11.0	10.0	10.1	30.0
Acrolein	Ave	0.5971	0.7480		12.5	10.0	25.3	30.0
Freon TF	Ave	2.630	2.584		9.82	10.0	-1.8	30.0
1,1-Dichloroethene	Ave	1.316	1.288		9.79	10.0	-2.1	30.0
Acetone	Ave	4.011	4.025		10.0	10.0	0.3	30.0
Isopropyl alcohol	Ave	3.913	3.287		8.40	10.0	-16.0	30.0
Carbon disulfide	Ave	4.404	4.979		11.3	10.0	13.1	30.0
3-Chloropropene	Ave	3.467	2.872		8.28	10.0	-17.2	30.0
Acetonitrile	Ave	2.247	2.295		10.2	10.0	2.1	30.0
Methylene Chloride	Ave	2.867	2.627		9.16	10.0	-8.4	30.0
tert-Butyl alcohol	Ave	4.230	3.844		9.09	10.0	-9.1	30.0
Methyl tert-butyl ether	Ave	5.166	5.109		9.89	10.0	-1.1	30.0
trans-1,2-Dichloroethene	Ave	2.933	3.028		10.3	10.0	3.2	30.0
Acrylonitrile	Ave	1.749	1.781		10.2	10.0	1.8	30.0
n-Hexane	Ave	3.444	3.595		10.4	10.0	4.4	30.0
1,1-Dichloroethane	Ave	3.768	3.626		9.62	10.0	-3.8	30.0
Vinyl acetate	Ave	7.438	7.281		9.79	10.0	-2.1	30.0
Methyl Ethyl Ketone	Ave	0.9852	0.9651		9.79	10.0	-2.0	30.0
cis-1,2-Dichloroethene	Ave	1.531	1.489		9.72	10.0	-2.8	30.0
Ethyl acetate	Ave	0.1297	0.1432		11.0	10.0	10.4	30.0
Tetrahydrofuran	Ave	0.6428	0.6224		9.68	10.0	-3.2	30.0
Chloroform	Ave	3.418	3.362		9.84	10.0	-1.6	30.0
1,1,1-Trichloroethane	Ave	0.6129	0.5965		9.73	10.0	-2.7	30.0
Cyclohexane	Ave	0.4249	0.4208		9.90	10.0	-1.0	30.0
Carbon tetrachloride	Ave	0.5246	0.5579		10.6	10.0	6.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab Sample ID: ICV 200-92213/24 Calibration Date: 08/04/2015 14:48

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15073_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
2,2,4-Trimethylpentane	Ave	2.184	2.117		9.69	10.0	-3.1	30.0
Benzene	Ave	1.052	1.013		9.63	10.0	-3.7	30.0
1,2-Dichloroethane	Ave	0.5049	0.4844		9.59	10.0	-4.1	30.0
n-Heptane	Ave	1.068	1.004		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.2848	0.2655		9.32	10.0	-6.8	30.0
Trichloroethene	Ave	0.3935	0.3830		9.73	10.0	-2.7	30.0
1,2-Dichloropropane	Ave	0.4772	0.4525		9.48	10.0	-5.2	30.0
Methyl methacrylate	Ave	0.4169	0.4255		10.2	10.0	2.0	30.0
1,4-Dioxane	Ave	0.1589	0.1449		9.12	10.0	-8.8	30.0
Dibromomethane	Ave	0.2725	0.2506		9.19	10.0	-8.0	30.0
Bromodichloromethane	Ave	0.7033	0.6922		9.84	10.0	-1.6	30.0
cis-1,3-Dichloropropene	Ave	0.6026	0.5912		9.81	10.0	-1.9	30.0
methyl isobutyl ketone	Ave	1.355	1.279		9.44	10.0	-5.6	30.0
n-Octane	Ave	1.490	1.418		9.51	10.0	-4.8	30.0
Toluene	Ave	0.7856	0.7563		9.62	10.0	-3.7	30.0
trans-1,3-Dichloropropene	Ave	0.6074	0.5964		9.82	10.0	-1.8	30.0
1,1,2-Trichloroethane	Ave	0.4088	0.3985		9.75	10.0	-2.5	30.0
Tetrachloroethene	Ave	0.4722	0.4487		9.50	10.0	-5.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.511	1.494		9.88	10.0	-1.2	30.0
Dibromochloromethane	Ave	0.5945	0.5990		10.1	10.0	0.8	30.0
1,2-Dibromoethane	Ave	0.6099	0.5966		9.78	10.0	-2.2	30.0
Chlorobenzene	Ave	0.9188	0.8847		9.63	10.0	-3.7	30.0
Ethylbenzene	Ave	1.753	1.709		9.75	10.0	-2.5	30.0
n-Nonane	Ave	1.245	1.208		9.70	10.0	-3.0	30.0
m,p-Xylene	Ave	0.6080	0.5971		19.6	20.0	-1.8	30.0
Xylene, o-	Ave	0.6085	0.5820		9.56	10.0	-4.3	30.0
Styrene	Ave	0.9763	0.9497		9.73	10.0	-2.7	30.0
Bromoform	Ave	0.4579	0.5125		11.2	10.0	11.9	30.0
Cumene	Ave	1.809	1.745		9.65	10.0	-3.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.052		9.92	10.0	-0.8	30.0
n-Propylbenzene	Ave	2.438	2.333		9.57	10.0	-4.3	30.0
1,2,3-Trichloropropane	Ave	0.9280	0.8811		9.49	10.0	-5.1	30.0
n-Decane	Ave	1.599	1.565		9.79	10.0	-2.1	30.0
4-Ethyltoluene	Ave	1.809	1.809		10.0	10.0	0.0	30.0
2-Chlorotoluene	Ave	1.655	1.592		9.62	10.0	-3.8	30.0
1,3,5-Trimethylbenzene	Ave	1.535	1.495		9.74	10.0	-2.6	30.0
Alpha Methyl Styrene	Ave	0.6887	0.7056		10.2	10.0	2.5	30.0
tert-Butylbenzene	Ave	1.328	1.300		9.78	10.0	-2.2	30.0
1,2,4-Trimethylbenzene	Ave	1.534	1.496		9.75	10.0	-2.5	30.0
sec-Butylbenzene	Ave	2.202	2.142		9.73	10.0	-2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab Sample ID: ICV 200-92213/24 Calibration Date: 08/04/2015 14:48

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15073_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
4-Isopropyltoluene	Ave	1.704	1.682		9.87	10.0	-1.3	30.0
1,3-Dichlorobenzene	Ave	0.8582	0.8294		9.66	10.0	-3.4	30.0
1,4-Dichlorobenzene	Ave	0.8507	0.8208		9.65	10.0	-3.5	30.0
Benzyl chloride	Ave	1.442	1.320		9.15	10.0	-8.5	30.0
n-Undecane	Ave	1.695	1.702		10.0	10.0	0.4	30.0
n-Butylbenzene	Ave	1.888	1.876		9.94	10.0	-0.6	30.0
1,2-Dichlorobenzene	Ave	0.8081	0.7883		9.75	10.0	-2.5	30.0
n-Dodecane	Ave	1.614	1.556		9.64	10.0	-3.6	30.0
1,2,4-Trichlorobenzene	Ave	0.5830	0.4774		8.19	10.0	-18.1	30.0
Hexachlorobutadiene	Ave	0.5400	0.4560		8.44	10.0	-15.5	30.0
Naphthalene	Ave	1.430	1.131		7.90	10.0	-21.0	30.0
1,2,3-Trichlorobenzene	Ave	0.4904	0.4055		8.27	10.0	-17.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab Sample ID: CCVIS 200-92381/2 Calibration Date: 08/06/2015 11:14

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15141_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	1.087	1.083		9.96	10.0	-0.4	30.0
Dichlorodifluoromethane	Ave	3.279	3.259		9.94	10.0	-0.6	30.0
Freon 22	Ave	2.252	2.189		9.72	10.0	-2.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.007	2.940		9.78	10.0	-2.2	30.0
Chloromethane	Ave	1.369	1.289		9.42	10.0	-5.8	30.0
n-Butane	Ave	2.832	2.661		9.39	10.0	-6.0	30.0
Vinyl chloride	Ave	1.565	1.502		9.60	10.0	-4.0	30.0
1,3-Butadiene	Ave	1.297	1.268		9.77	10.0	-2.3	30.0
Bromomethane	Ave	1.289	1.337		10.4	10.0	3.7	30.0
Chloroethane	Ave	1.029	1.063		10.3	10.0	3.3	30.0
Isopentane	Ave	3.165	3.008		9.50	10.0	-5.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.234	1.301		10.5	10.0	5.4	30.0
Trichlorofluoromethane	Ave	3.672	3.766		10.3	10.0	2.5	30.0
n-Pentane	Ave	4.873	4.851		9.95	10.0	-0.4	30.0
Ethanol	Ave	1.065	1.050		14.8	15.0	-1.5	30.0
Ethyl ether	Ave	1.447	1.503		10.4	10.0	3.9	30.0
Acrolein	Ave	0.5971	0.7839		13.1	10.0	31.3*	30.0
Freon TF	Ave	2.630	2.712		10.3	10.0	3.1	30.0
1,1-Dichloroethene	Ave	1.316	1.371		10.4	10.0	4.2	30.0
Acetone	Ave	4.011	3.696		9.21	10.0	-7.8	30.0
Isopropyl alcohol	Ave	3.913	3.534		9.03	10.0	-9.7	30.0
Carbon disulfide	Ave	4.404	4.554		10.3	10.0	3.4	30.0
3-Chloropropene	Ave	3.467	3.406		9.82	10.0	-1.8	30.0
Acetonitrile	Ave	2.247	2.191		9.75	10.0	-2.5	30.0
Methylene Chloride	Ave	2.867	2.762		9.63	10.0	-3.6	30.0
tert-Butyl alcohol	Ave	4.230	4.000		9.45	10.0	-5.5	30.0
Methyl tert-butyl ether	Ave	5.166	5.335		10.3	10.0	3.3	30.0
trans-1,2-Dichloroethene	Ave	2.933	2.990		10.2	10.0	1.9	30.0
Acrylonitrile	Ave	1.749	1.771		10.1	10.0	1.2	30.0
n-Hexane	Ave	3.444	3.500		10.2	10.0	1.6	30.0
1,1-Dichloroethane	Ave	3.768	3.759		9.97	10.0	-0.3	30.0
Vinyl acetate	Ave	7.438	7.574		10.2	10.0	1.8	30.0
Methyl Ethyl Ketone	Ave	0.9852	0.9563		9.70	10.0	-2.9	30.0
Ethyl acetate	Ave	0.1297	0.1379		10.6	10.0	6.3	30.0
cis-1,2-Dichloroethene	Ave	1.531	1.590		10.4	10.0	3.8	30.0
Tetrahydrofuran	Ave	0.6428	0.6366		9.90	10.0	-1.0	30.0
Chloroform	Ave	3.418	3.498		10.2	10.0	2.4	30.0
1,1,1-Trichloroethane	Ave	0.6129	0.6240		10.2	10.0	1.8	30.0
Cyclohexane	Ave	0.4249	0.4365		10.3	10.0	2.7	30.0
Carbon tetrachloride	Ave	0.5246	0.5885		11.2	10.0	12.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab Sample ID: CCVIS 200-92381/2 Calibration Date: 08/06/2015 11:14

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15141_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	2.184	2.249		10.3	10.0	3.0	30.0
Benzene	Ave	1.052	1.060		10.1	10.0	0.8	30.0
1,2-Dichloroethane	Ave	0.5049	0.5089		10.1	10.0	0.8	30.0
n-Heptane	Ave	1.068	1.061		9.93	10.0	-0.7	30.0
n-Butanol	Ave	0.2848	0.2420		8.49	10.0	-15.0	30.0
Trichloroethene	Ave	0.3935	0.3989		10.1	10.0	1.4	30.0
1,2-Dichloropropane	Ave	0.4772	0.4855		10.2	10.0	1.7	30.0
Methyl methacrylate	Ave	0.4169	0.4313		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.1589	0.1400		8.81	10.0	-11.9	30.0
Dibromomethane	Ave	0.2725	0.2663		9.77	10.0	-2.3	30.0
Bromodichloromethane	Ave	0.7033	0.7410		10.5	10.0	5.4	30.0
cis-1,3-Dichloropropene	Ave	0.6026	0.6226		10.3	10.0	3.3	30.0
methyl isobutyl ketone	Ave	1.355	1.355		9.99	10.0	-0.0	30.0
n-Octane	Ave	1.490	1.507		10.1	10.0	1.1	30.0
Toluene	Ave	0.7856	0.8000		10.2	10.0	1.8	30.0
trans-1,3-Dichloropropene	Ave	0.6074	0.6319		10.4	10.0	4.0	30.0
1,1,2-Trichloroethane	Ave	0.4088	0.4215		10.3	10.0	3.1	30.0
Tetrachloroethene	Ave	0.4722	0.4740		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.511	1.515		10.0	10.0	0.3	30.0
Dibromochloromethane	Ave	0.5945	0.6707		11.3	10.0	12.8	30.0
1,2-Dibromoethane	Ave	0.6099	0.6392		10.5	10.0	4.8	30.0
Chlorobenzene	Ave	0.9188	0.9364		10.2	10.0	1.9	30.0
Ethylbenzene	Ave	1.753	1.814		10.3	10.0	3.5	30.0
n-Nonane	Ave	1.245	1.285		10.3	10.0	3.2	30.0
m,p-Xylene	Ave	0.6080	0.6369		20.9	20.0	4.7	30.0
Xylene, o-	Ave	0.6085	0.6282		10.3	10.0	3.2	30.0
Styrene	Ave	0.9763	1.031		10.6	10.0	5.6	30.0
Bromoform	Ave	0.4579	0.5975		13.0	10.0	30.5*	30.0
Cumene	Ave	1.809	1.883		10.4	10.0	4.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.113		10.5	10.0	5.0	30.0
n-Propylbenzene	Ave	2.438	2.539		10.4	10.0	4.1	30.0
1,2,3-Trichloropropane	Ave	0.9280	0.9515		10.3	10.0	2.5	30.0
n-Decane	Ave	1.599	1.675		10.5	10.0	4.7	30.0
4-Ethyltoluene	Ave	1.809	1.907		10.5	10.0	5.4	30.0
2-Chlorotoluene	Ave	1.655	1.725		10.4	10.0	4.2	30.0
1,3,5-Trimethylbenzene	Ave	1.535	1.595		10.4	10.0	3.9	30.0
Alpha Methyl Styrene	Ave	0.6887	0.7440		10.8	10.0	8.0	30.0
tert-Butylbenzene	Ave	1.328	1.393		10.5	10.0	4.8	30.0
1,2,4-Trimethylbenzene	Ave	1.534	1.606		10.5	10.0	4.7	30.0
sec-Butylbenzene	Ave	2.202	2.303		10.5	10.0	4.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Lab Sample ID: CCVIS 200-92381/2 Calibration Date: 08/06/2015 11:14

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15141_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	1.704	1.797		10.5	10.0	5.4	30.0
1,3-Dichlorobenzene	Ave	0.8582	0.8992		10.5	10.0	4.8	30.0
1,4-Dichlorobenzene	Ave	0.8507	0.8928		10.5	10.0	4.9	30.0
Benzyl chloride	Ave	1.442	1.587		11.0	10.0	10.0	30.0
n-Undecane	Ave	1.695	1.663		9.81	10.0	-1.9	30.0
n-Butylbenzene	Ave	1.888	2.006		10.6	10.0	6.2	30.0
1,2-Dichlorobenzene	Ave	0.8081	0.8438		10.4	10.0	4.4	30.0
n-Dodecane	Ave	1.614	1.603		9.93	10.0	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	0.5830	0.5478		9.39	10.0	-6.0	30.0
Hexachlorobutadiene	Ave	0.5400	0.4958		9.18	10.0	-8.2	30.0
Naphthalene	Ave	1.430	1.453		10.2	10.0	1.6	30.0
1,2,3-Trichlorobenzene	Ave	0.4904	0.5010		10.2	10.0	2.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab Sample ID: ICV 200-92213/24 Calibration Date: 08/04/2015 14:48

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15073_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	1.087	0.9858		9.07	10.0	-9.3	30.0
Dichlorodifluoromethane	Ave	3.279	3.020		9.21	10.0	-7.9	30.0
Freon 22	Ave	2.252	2.054		9.12	10.0	-8.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.007	3.080		10.2	10.0	2.4	30.0
Chloromethane	Ave	1.369	1.189		8.68	10.0	-13.2	30.0
n-Butane	Ave	2.832	2.513		8.87	10.0	-11.3	30.0
Vinyl chloride	Ave	1.565	1.379		8.81	10.0	-11.9	30.0
1,3-Butadiene	Ave	1.297	1.148		8.85	10.0	-11.5	30.0
Bromomethane	Ave	1.289	1.239		9.61	10.0	-3.9	30.0
Chloroethane	Ave	1.029	0.9766		9.49	10.0	-5.1	30.0
Isopentane	Ave	3.165	3.069		9.70	10.0	-3.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.234	1.185		9.60	10.0	-4.0	30.0
Trichlorofluoromethane	Ave	3.672	3.489		9.50	10.0	-5.0	30.0
n-Pentane	Ave	4.873	5.002		10.3	10.0	2.7	30.0
Ethanol	Ave	1.065	1.080		15.2	15.0	1.4	30.0
Ethyl ether	Ave	1.447	1.593		11.0	10.0	10.1	30.0
Acrolein	Ave	0.5971	0.7480		12.5	10.0	25.3	30.0
Freon TF	Ave	2.630	2.584		9.82	10.0	-1.8	30.0
1,1-Dichloroethene	Ave	1.316	1.288		9.79	10.0	-2.1	30.0
Acetone	Ave	4.011	4.025		10.0	10.0	0.3	30.0
Isopropyl alcohol	Ave	3.913	3.287		8.40	10.0	-16.0	30.0
Carbon disulfide	Ave	4.404	4.979		11.3	10.0	13.1	30.0
3-Chloropropene	Ave	3.467	2.872		8.28	10.0	-17.2	30.0
Acetonitrile	Ave	2.247	2.295		10.2	10.0	2.1	30.0
Methylene Chloride	Ave	2.867	2.627		9.16	10.0	-8.4	30.0
tert-Butyl alcohol	Ave	4.230	3.844		9.09	10.0	-9.1	30.0
Methyl tert-butyl ether	Ave	5.166	5.109		9.89	10.0	-1.1	30.0
trans-1,2-Dichloroethene	Ave	2.933	3.028		10.3	10.0	3.2	30.0
Acrylonitrile	Ave	1.749	1.781		10.2	10.0	1.8	30.0
n-Hexane	Ave	3.444	3.595		10.4	10.0	4.4	30.0
1,1-Dichloroethane	Ave	3.768	3.626		9.62	10.0	-3.8	30.0
Vinyl acetate	Ave	7.438	7.281		9.79	10.0	-2.1	30.0
Methyl Ethyl Ketone	Ave	0.9852	0.9651		9.79	10.0	-2.0	30.0
cis-1,2-Dichloroethene	Ave	1.531	1.489		9.72	10.0	-2.8	30.0
Ethyl acetate	Ave	0.1297	0.1432		11.0	10.0	10.4	30.0
Tetrahydrofuran	Ave	0.6428	0.6224		9.68	10.0	-3.2	30.0
Chloroform	Ave	3.418	3.362		9.84	10.0	-1.6	30.0
1,1,1-Trichloroethane	Ave	0.6129	0.5965		9.73	10.0	-2.7	30.0
Cyclohexane	Ave	0.4249	0.4208		9.90	10.0	-1.0	30.0
Carbon tetrachloride	Ave	0.5246	0.5579		10.6	10.0	6.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab Sample ID: ICV 200-92213/24 Calibration Date: 08/04/2015 14:48

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15073_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
2,2,4-Trimethylpentane	Ave	2.184	2.117		9.69	10.0	-3.1	30.0
Benzene	Ave	1.052	1.013		9.63	10.0	-3.7	30.0
1,2-Dichloroethane	Ave	0.5049	0.4844		9.59	10.0	-4.1	30.0
n-Heptane	Ave	1.068	1.004		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.2848	0.2655		9.32	10.0	-6.8	30.0
Trichloroethene	Ave	0.3935	0.3830		9.73	10.0	-2.7	30.0
1,2-Dichloropropane	Ave	0.4772	0.4525		9.48	10.0	-5.2	30.0
Methyl methacrylate	Ave	0.4169	0.4255		10.2	10.0	2.0	30.0
1,4-Dioxane	Ave	0.1589	0.1449		9.12	10.0	-8.8	30.0
Dibromomethane	Ave	0.2725	0.2506		9.19	10.0	-8.0	30.0
Bromodichloromethane	Ave	0.7033	0.6922		9.84	10.0	-1.6	30.0
cis-1,3-Dichloropropene	Ave	0.6026	0.5912		9.81	10.0	-1.9	30.0
methyl isobutyl ketone	Ave	1.355	1.279		9.44	10.0	-5.6	30.0
n-Octane	Ave	1.490	1.418		9.51	10.0	-4.8	30.0
Toluene	Ave	0.7856	0.7563		9.62	10.0	-3.7	30.0
trans-1,3-Dichloropropene	Ave	0.6074	0.5964		9.82	10.0	-1.8	30.0
1,1,2-Trichloroethane	Ave	0.4088	0.3985		9.75	10.0	-2.5	30.0
Tetrachloroethene	Ave	0.4722	0.4487		9.50	10.0	-5.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.511	1.494		9.88	10.0	-1.2	30.0
Dibromochloromethane	Ave	0.5945	0.5990		10.1	10.0	0.8	30.0
1,2-Dibromoethane	Ave	0.6099	0.5966		9.78	10.0	-2.2	30.0
Chlorobenzene	Ave	0.9188	0.8847		9.63	10.0	-3.7	30.0
Ethylbenzene	Ave	1.753	1.709		9.75	10.0	-2.5	30.0
n-Nonane	Ave	1.245	1.208		9.70	10.0	-3.0	30.0
m,p-Xylene	Ave	0.6080	0.5971		19.6	20.0	-1.8	30.0
Xylene, o-	Ave	0.6085	0.5820		9.56	10.0	-4.3	30.0
Styrene	Ave	0.9763	0.9497		9.73	10.0	-2.7	30.0
Bromoform	Ave	0.4579	0.5125		11.2	10.0	11.9	30.0
Cumene	Ave	1.809	1.745		9.65	10.0	-3.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.052		9.92	10.0	-0.8	30.0
n-Propylbenzene	Ave	2.438	2.333		9.57	10.0	-4.3	30.0
1,2,3-Trichloropropane	Ave	0.9280	0.8811		9.49	10.0	-5.1	30.0
n-Decane	Ave	1.599	1.565		9.79	10.0	-2.1	30.0
4-Ethyltoluene	Ave	1.809	1.809		10.0	10.0	0.0	30.0
2-Chlorotoluene	Ave	1.655	1.592		9.62	10.0	-3.8	30.0
1,3,5-Trimethylbenzene	Ave	1.535	1.495		9.74	10.0	-2.6	30.0
Alpha Methyl Styrene	Ave	0.6887	0.7056		10.2	10.0	2.5	30.0
tert-Butylbenzene	Ave	1.328	1.300		9.78	10.0	-2.2	30.0
1,2,4-Trimethylbenzene	Ave	1.534	1.496		9.75	10.0	-2.5	30.0
sec-Butylbenzene	Ave	2.202	2.142		9.73	10.0	-2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab Sample ID: ICV 200-92213/24 Calibration Date: 08/04/2015 14:48

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15073_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
4-Isopropyltoluene	Ave	1.704	1.682		9.87	10.0	-1.3	30.0
1,3-Dichlorobenzene	Ave	0.8582	0.8294		9.66	10.0	-3.4	30.0
1,4-Dichlorobenzene	Ave	0.8507	0.8208		9.65	10.0	-3.5	30.0
Benzyl chloride	Ave	1.442	1.320		9.15	10.0	-8.5	30.0
n-Undecane	Ave	1.695	1.702		10.0	10.0	0.4	30.0
n-Butylbenzene	Ave	1.888	1.876		9.94	10.0	-0.6	30.0
1,2-Dichlorobenzene	Ave	0.8081	0.7883		9.75	10.0	-2.5	30.0
n-Dodecane	Ave	1.614	1.556		9.64	10.0	-3.6	30.0
1,2,4-Trichlorobenzene	Ave	0.5830	0.4774		8.19	10.0	-18.1	30.0
Hexachlorobutadiene	Ave	0.5400	0.4560		8.44	10.0	-15.5	30.0
Naphthalene	Ave	1.430	1.131		7.90	10.0	-21.0	30.0
1,2,3-Trichlorobenzene	Ave	0.4904	0.4055		8.27	10.0	-17.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab Sample ID: CCVIS 200-92494/2 Calibration Date: 08/10/2015 11:33

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15192_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	1.087	1.043		9.59	10.0	-4.1	30.0
Dichlorodifluoromethane	Ave	3.279	3.092		9.43	10.0	-5.7	30.0
Freon 22	Ave	2.252	2.081		9.24	10.0	-7.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.007	2.761		9.18	10.0	-8.2	30.0
Chloromethane	Ave	1.369	1.188		8.67	10.0	-13.3	30.0
n-Butane	Ave	2.832	2.485		8.77	10.0	-12.3	30.0
Vinyl chloride	Ave	1.565	1.399		8.94	10.0	-10.6	30.0
1,3-Butadiene	Ave	1.297	1.175		9.06	10.0	-9.4	30.0
Bromomethane	Ave	1.289	1.319		10.2	10.0	2.3	30.0
Chloroethane	Ave	1.029	1.023		9.94	10.0	-0.6	30.0
Isopentane	Ave	3.165	2.876		9.08	10.0	-9.1	30.0
Bromoethene(Vinyl Bromide)	Ave	1.234	1.296		10.5	10.0	5.0	30.0
Trichlorofluoromethane	Ave	3.672	3.819		10.4	10.0	4.0	30.0
n-Pentane	Ave	4.873	4.719		9.68	10.0	-3.1	30.0
Ethanol	Ave	1.065	1.022		14.4	15.0	-4.1	30.0
Ethyl ether	Ave	1.447	1.499		10.4	10.0	3.6	30.0
Acrolein	Ave	0.5971	0.7633		12.8	10.0	27.8	30.0
Freon TF	Ave	2.630	2.769		10.5	10.0	5.3	30.0
1,1-Dichloroethene	Ave	1.316	1.383		10.5	10.0	5.1	30.0
Acetone	Ave	4.011	3.663		9.13	10.0	-8.7	30.0
Isopropyl alcohol	Ave	3.913	3.462		8.85	10.0	-11.5	30.0
Carbon disulfide	Ave	4.404	4.554		10.3	10.0	3.4	30.0
3-Chloropropene	Ave	3.467	3.359		9.68	10.0	-3.1	30.0
Acetonitrile	Ave	2.247	2.100		9.34	10.0	-6.6	30.0
Methylene Chloride	Ave	2.867	2.704		9.43	10.0	-5.7	30.0
tert-Butyl alcohol	Ave	4.230	4.029		9.52	10.0	-4.8	30.0
Methyl tert-butyl ether	Ave	5.166	5.418		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	2.933	2.999		10.2	10.0	2.2	30.0
Acrylonitrile	Ave	1.749	1.714		9.80	10.0	-2.0	30.0
n-Hexane	Ave	3.444	3.484		10.1	10.0	1.1	30.0
1,1-Dichloroethane	Ave	3.768	3.729		9.89	10.0	-1.0	30.0
Vinyl acetate	Ave	7.438	7.335		9.86	10.0	-1.4	30.0
Methyl Ethyl Ketone	Ave	0.9852	0.9423		9.56	10.0	-4.4	30.0
Ethyl acetate	Ave	0.1297	0.1362		10.5	10.0	5.0	30.0
cis-1,2-Dichloroethene	Ave	1.531	1.569		10.2	10.0	2.4	30.0
Tetrahydrofuran	Ave	0.6428	0.6037		9.39	10.0	-6.1	30.0
Chloroform	Ave	3.418	3.507		10.3	10.0	2.6	30.0
1,1,1-Trichloroethane	Ave	0.6129	0.6247		10.2	10.0	1.9	30.0
Cyclohexane	Ave	0.4249	0.4301		10.1	10.0	1.2	30.0
Carbon tetrachloride	Ave	0.5246	0.5887		11.2	10.0	12.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab Sample ID: CCVIS 200-92494/2 Calibration Date: 08/10/2015 11:33

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15192_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	2.184	2.186		10.0	10.0	0.1	30.0
Benzene	Ave	1.052	1.041		9.90	10.0	-1.0	30.0
1,2-Dichloroethane	Ave	0.5049	0.5060		10.0	10.0	0.2	30.0
n-Heptane	Ave	1.068	1.022		9.57	10.0	-4.3	30.0
n-Butanol	Ave	0.2848	0.2374		8.33	10.0	-16.7	30.0
Trichloroethene	Ave	0.3935	0.3976		10.1	10.0	1.0	30.0
1,2-Dichloropropane	Ave	0.4772	0.4675		9.80	10.0	-2.0	30.0
Methyl methacrylate	Ave	0.4169	0.4205		10.1	10.0	0.9	30.0
1,4-Dioxane	Ave	0.1589	0.1384		8.71	10.0	-12.9	30.0
Dibromomethane	Ave	0.2725	0.2593		9.51	10.0	-4.9	30.0
Bromodichloromethane	Ave	0.7033	0.7319		10.4	10.0	4.1	30.0
cis-1,3-Dichloropropene	Ave	0.6026	0.6095		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	1.355	1.306		9.64	10.0	-3.6	30.0
n-Octane	Ave	1.490	1.444		9.69	10.0	-3.1	30.0
Toluene	Ave	0.7856	0.7869		10.0	10.0	0.2	30.0
trans-1,3-Dichloropropene	Ave	0.6074	0.6230		10.3	10.0	2.6	30.0
1,1,2-Trichloroethane	Ave	0.4088	0.4125		10.1	10.0	0.9	30.0
Tetrachloroethene	Ave	0.4722	0.4616		9.77	10.0	-2.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.511	1.467		9.70	10.0	-3.0	30.0
Dibromochloromethane	Ave	0.5945	0.6586		11.1	10.0	10.8	30.0
1,2-Dibromoethane	Ave	0.6099	0.6275		10.3	10.0	2.9	30.0
Chlorobenzene	Ave	0.9188	0.9191		10.0	10.0	0.0	30.0
Ethylbenzene	Ave	1.753	1.781		10.2	10.0	1.6	30.0
n-Nonane	Ave	1.245	1.238		9.94	10.0	-0.6	30.0
m,p-Xylene	Ave	0.6080	0.6214		20.4	20.0	2.2	30.0
Xylene, o-	Ave	0.6085	0.6156		10.1	10.0	1.2	30.0
Styrene	Ave	0.9763	1.002		10.3	10.0	2.6	30.0
Bromoform	Ave	0.4579	0.5759		12.6	10.0	25.8	30.0
Cumene	Ave	1.809	1.847		10.2	10.0	2.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.074		10.1	10.0	1.3	30.0
n-Propylbenzene	Ave	2.438	2.476		10.2	10.0	1.6	30.0
1,2,3-Trichloropropane	Ave	0.9280	0.9278		10.0	10.0	-0.0	30.0
n-Decane	Ave	1.599	1.632		10.2	10.0	2.0	30.0
4-Ethyltoluene	Ave	1.809	1.866		10.3	10.0	3.2	30.0
2-Chlorotoluene	Ave	1.655	1.681		10.2	10.0	1.6	30.0
1,3,5-Trimethylbenzene	Ave	1.535	1.578		10.3	10.0	2.8	30.0
Alpha Methyl Styrene	Ave	0.6887	0.7296		10.6	10.0	5.9	30.0
tert-Butylbenzene	Ave	1.328	1.370		10.3	10.0	3.1	30.0
1,2,4-Trimethylbenzene	Ave	1.534	1.585		10.3	10.0	3.3	30.0
sec-Butylbenzene	Ave	2.202	2.262		10.3	10.0	2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Lab Sample ID: CCVIS 200-92494/2 Calibration Date: 08/10/2015 11:33

Instrument ID: CHB.i Calib Start Date: 08/03/2015 19:01

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/04/2015 11:14

Lab File ID: 15192_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	1.704	1.777		10.4	10.0	4.3	30.0
1,3-Dichlorobenzene	Ave	0.8582	0.8739		10.2	10.0	1.8	30.0
1,4-Dichlorobenzene	Ave	0.8507	0.8679		10.2	10.0	2.0	30.0
Benzyl chloride	Ave	1.442	1.571		10.9	10.0	8.9	30.0
n-Undecane	Ave	1.695	1.622		9.57	10.0	-4.3	30.0
n-Butylbenzene	Ave	1.888	1.965		10.4	10.0	4.1	30.0
1,2-Dichlorobenzene	Ave	0.8081	0.8244		10.2	10.0	2.0	30.0
n-Dodecane	Ave	1.614	1.596		9.88	10.0	-1.1	30.0
1,2,4-Trichlorobenzene	Ave	0.5830	0.5394		9.25	10.0	-7.5	30.0
Hexachlorobutadiene	Ave	0.5400	0.4873		9.02	10.0	-9.8	30.0
Naphthalene	Ave	1.430	1.427		9.98	10.0	-0.2	30.0
1,2,3-Trichlorobenzene	Ave	0.4904	0.4960		10.1	10.0	1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	0.4154	0.3798		9.14	10.0	-8.6	30.0
Dichlorodifluoromethane	Ave	1.945	1.851		9.51	10.0	-4.9	30.0
Freon 22	Ave	0.9407	0.8859		9.42	10.0	-5.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.978	2.134		10.8	10.0	7.9	30.0
Chloromethane	Ave	0.5474	0.4991		9.12	10.0	-8.8	30.0
n-Butane	Ave	0.8991	0.8056		8.96	10.0	-10.4	30.0
Vinyl chloride	Ave	0.6903	0.6589		9.54	10.0	-4.6	30.0
1,3-Butadiene	Ave	0.4958	0.4498		9.07	10.0	-9.3	30.0
Bromomethane	Ave	0.7816	0.7548		9.65	10.0	-3.4	30.0
Chloroethane	Ave	0.3486	0.3253		9.33	10.0	-6.7	30.0
Isopentane	Ave	0.6436	0.6084		9.45	10.0	-5.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9022	0.8684		9.62	10.0	-3.7	30.0
Trichlorofluoromethane	Ave	2.145	2.029		9.46	10.0	-5.4	30.0
n-Pentane	Ave	1.024	1.032		10.1	10.0	0.8	30.0
Ethanol	Ave	0.2146	0.2115		14.8	15.0	-1.5	30.0
Ethyl ether	Ave	0.4504	0.4932		10.9	10.0	9.5	30.0
Acrolein	Ave	0.1694	0.2041		12.0	10.0	20.5	30.0
Freon TF	Ave	1.717	1.670		9.72	10.0	-2.8	30.0
1,1-Dichloroethene	Ave	0.8028	0.7759		9.66	10.0	-3.4	30.0
Acetone	Ave	0.8752	0.8520		9.73	10.0	-2.7	30.0
Carbon disulfide	Ave	2.040	2.267		11.1	10.0	11.1	30.0
Isopropyl alcohol	Ave	0.8295	0.6747		8.13	10.0	-18.7	30.0
3-Chloropropene	Ave	0.6775	0.5474		8.08	10.0	-19.2	30.0
Acetonitrile	Ave	0.4149	0.4102		9.88	10.0	-1.1	30.0
Methylene Chloride	Ave	0.7371	0.6617		8.98	10.0	-10.2	30.0
tert-Butyl alcohol	Ave	1.330	1.177		8.85	10.0	-11.5	30.0
Methyl tert-butyl ether	Ave	2.220	2.130		9.59	10.0	-4.1	30.0
trans-1,2-Dichloroethene	Ave	1.031	1.047		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4784	0.4692		9.81	10.0	-1.9	30.0
n-Hexane	Ave	1.095	1.081		9.87	10.0	-1.2	30.0
1,1-Dichloroethane	Ave	1.392	1.328		9.54	10.0	-4.6	30.0
Vinyl acetate	Ave	1.632	1.567		9.60	10.0	-4.0	30.0
cis-1,2-Dichloroethene	Ave	1.013	0.9678		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4645	0.4282		9.22	10.0	-7.8	30.0
Ethyl acetate	Ave	0.0735	0.0803		10.9	10.0	9.2	30.0
Tetrahydrofuran	Ave	0.1425	0.1363		9.57	10.0	-4.3	30.0
Chloroform	Ave	1.858	1.788		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2503	0.2425		9.69	10.0	-3.1	30.0
1,1,1-Trichloroethane	Ave	0.3646	0.3519		9.65	10.0	-3.5	30.0
Carbon tetrachloride	Ave	0.3798	0.3903		10.3	10.0	2.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	0.8365	0.7874		9.41	10.0	-5.9	30.0
Benzene	Ave	0.5838	0.5577		9.55	10.0	-4.5	30.0
1,2-Dichloroethane	Ave	0.2049	0.1946		9.50	10.0	-5.0	30.0
n-Heptane	Ave	0.2817	0.2584		9.17	10.0	-8.3	30.0
n-Butanol	Ave	0.0971	0.0898		9.25	10.0	-7.5	30.0
Trichloroethene	Ave	0.2942	0.2687		9.13	10.0	-8.7	30.0
1,2-Dichloropropane	Ave	0.2219	0.2093		9.43	10.0	-5.6	30.0
Methyl methacrylate	Ave	0.2211	0.2177		9.84	10.0	-1.5	30.0
1,4-Dioxane	Ave	0.1097	0.0961		8.76	10.0	-12.4	30.0
Dibromomethane	Ave	0.3538	0.3195		9.03	10.0	-9.7	30.0
Bromodichloromethane	Ave	0.4167	0.4064		9.75	10.0	-2.5	30.0
cis-1,3-Dichloropropene	Ave	0.3482	0.3395		9.75	10.0	-2.5	30.0
methyl isobutyl ketone	Ave	0.3817	0.3573		9.36	10.0	-6.4	30.0
Toluene	Ave	0.5092	0.4937		9.69	10.0	-3.0	30.0
n-Octane	Ave	0.4337	0.3997		9.21	10.0	-7.8	30.0
trans-1,3-Dichloropropene	Ave	0.3631	0.3291		9.06	10.0	-9.4	30.0
1,1,2-Trichloroethane	Ave	0.2376	0.2320		9.76	10.0	-2.4	30.0
Tetrachloroethene	Ave	0.5071	0.4945		9.75	10.0	-2.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3781	0.3671		9.71	10.0	-2.9	30.0
Dibromochloromethane	Ave	0.4912	0.5066		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.4673	0.4565		9.77	10.0	-2.3	30.0
Chlorobenzene	Ave	0.7250	0.7085		9.77	10.0	-2.3	30.0
Ethylbenzene	Ave	1.098	1.066		9.71	10.0	-2.9	30.0
n-Nonane	Ave	0.4713	0.4474		9.49	10.0	-5.1	30.0
m,p-Xylene	Ave	0.4629	0.4498		19.4	20.0	-2.8	30.0
Xylene, o-	Ave	0.4575	0.4368		9.54	10.0	-4.5	30.0
Styrene	Ave	0.7141	0.6872		9.62	10.0	-3.8	30.0
Bromoform	Ave	0.4591	0.5348		11.6	10.0	16.5	30.0
Cumene	Ave	1.305	1.256		9.62	10.0	-3.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6141	0.6153		10.0	10.0	0.2	30.0
n-Propylbenzene	Ave	1.521	1.455		9.56	10.0	-4.4	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4416		9.43	10.0	-5.7	30.0
n-Decane	Ave	0.5960	0.5725		9.60	10.0	-3.9	30.0
4-Ethyltoluene	Ave	1.319	1.301		9.86	10.0	-1.3	30.0
2-Chlorotoluene	Ave	1.032	0.9857		9.55	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.089	1.056		9.70	10.0	-3.0	30.0
Alpha Methyl Styrene	Ave	0.5739	0.5831		10.2	10.0	1.6	30.0
tert-Butylbenzene	Ave	1.085	1.049		9.66	10.0	-3.3	30.0
1,2,4-Trimethylbenzene	Ave	1.091	1.055		9.66	10.0	-3.3	30.0
sec-Butylbenzene	Ave	1.587	1.538		9.69	10.0	-3.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	1.397	1.359		9.72	10.0	-2.7	30.0
1,3-Dichlorobenzene	Ave	0.8393	0.8052		9.59	10.0	-4.1	30.0
1,4-Dichlorobenzene	Ave	0.8495	0.8000		9.42	10.0	-5.8	30.0
Benzyl chloride	Ave	0.8886	0.7955		8.95	10.0	-10.5	30.0
n-Butylbenzene	Ave	1.176	1.136		9.66	10.0	-3.4	30.0
n-Undecane	Ave	0.6119	0.6147		10.0	10.0	0.5	30.0
1,2-Dichlorobenzene	Ave	0.7956	0.7670		9.64	10.0	-3.6	30.0
n-Dodecane	Ave	0.5587	0.6001		10.7	10.0	7.4	30.0
1,2,4-Trichlorobenzene	Ave	0.7342	0.6152		8.38	10.0	-16.2	30.0
Hexachlorobutadiene	Ave	0.6833	0.6492		9.50	10.0	-5.0	30.0
Naphthalene	Ave	1.406	1.188		8.45	10.0	-15.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6787	0.6036		8.89	10.0	-11.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab Sample ID: CCVIS 200-92838/2 Calibration Date: 08/18/2015 12:13

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15321_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	0.4154	0.4411		10.6	10.0	6.2	30.0
Dichlorodifluoromethane	Ave	1.945	2.016		10.4	10.0	3.6	30.0
Freon 22	Ave	0.9407	0.9758		10.4	10.0	3.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.978	2.040		10.3	10.0	3.1	30.0
Chloromethane	Ave	0.5474	0.5598		10.2	10.0	2.3	30.0
n-Butane	Ave	0.8991	0.8867		9.86	10.0	-1.4	30.0
Vinyl chloride	Ave	0.6903	0.7266		10.5	10.0	5.3	30.0
1,3-Butadiene	Ave	0.4958	0.5019		10.1	10.0	1.2	30.0
Bromomethane	Ave	0.7816	0.8030		10.3	10.0	2.7	30.0
Chloroethane	Ave	0.3486	0.3581		10.3	10.0	2.7	30.0
Isopentane	Ave	0.6436	0.6042		9.39	10.0	-6.1	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9022	0.9376		10.4	10.0	3.9	30.0
Trichlorofluoromethane	Ave	2.145	2.199		10.2	10.0	2.5	30.0
n-Pentane	Ave	1.024	1.013		9.89	10.0	-1.0	30.0
Ethanol	Ave	0.2146	0.2130		14.9	15.0	-0.8	30.0
Ethyl ether	Ave	0.4504	0.4759		10.6	10.0	5.7	30.0
Acrolein	Ave	0.1694	0.2226		13.1	10.0	31.4*	30.0
Freon TF	Ave	1.717	1.764		10.3	10.0	2.7	30.0
1,1-Dichloroethene	Ave	0.8028	0.8291		10.3	10.0	3.3	30.0
Acetone	Ave	0.8752	0.8195		9.36	10.0	-6.4	30.0
Carbon disulfide	Ave	2.040	2.108		10.3	10.0	3.3	30.0
Isopropyl alcohol	Ave	0.8295	0.7516		9.06	10.0	-9.4	30.0
3-Chloropropene	Ave	0.6775	0.6689		9.87	10.0	-1.3	30.0
Acetonitrile	Ave	0.4149	0.3997		9.63	10.0	-3.7	30.0
Methylene Chloride	Ave	0.7371	0.7119		9.66	10.0	-3.4	30.0
tert-Butyl alcohol	Ave	1.330	1.266		9.52	10.0	-4.8	30.0
Methyl tert-butyl ether	Ave	2.220	2.261		10.2	10.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.031	1.048		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4784	0.4822		10.1	10.0	0.8	30.0
n-Hexane	Ave	1.095	1.075		9.82	10.0	-1.8	30.0
1,1-Dichloroethane	Ave	1.392	1.395		10.0	10.0	0.2	30.0
Vinyl acetate	Ave	1.632	1.667		10.2	10.0	2.2	30.0
cis-1,2-Dichloroethene	Ave	1.013	1.048		10.3	10.0	3.4	30.0
Methyl Ethyl Ketone	Ave	0.4645	0.4287		9.23	10.0	-7.7	30.0
Ethyl acetate	Ave	0.0735	0.0778		10.6	10.0	5.8	30.0
Tetrahydrofuran	Ave	0.1425	0.1405		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.858	1.896		10.2	10.0	2.0	30.0
Cyclohexane	Ave	0.2503	0.2527		10.1	10.0	0.9	30.0
1,1,1-Trichloroethane	Ave	0.3646	0.3705		10.2	10.0	1.6	30.0
Carbon tetrachloride	Ave	0.3798	0.4135		10.9	10.0	8.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab Sample ID: CCVIS 200-92838/2 Calibration Date: 08/18/2015 12:13

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15321_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	0.8365	0.8402		10.0	10.0	0.4	30.0
Benzene	Ave	0.5838	0.5883		10.1	10.0	0.8	30.0
1,2-Dichloroethane	Ave	0.2049	0.2040		9.95	10.0	-0.5	30.0
n-Heptane	Ave	0.2817	0.2765		9.81	10.0	-1.9	30.0
n-Butanol	Ave	0.0971	0.0840		8.64	10.0	-13.5	30.0
Trichloroethene	Ave	0.2942	0.2998		10.2	10.0	1.9	30.0
1,2-Dichloropropane	Ave	0.2219	0.2254		10.2	10.0	1.6	30.0
Methyl methacrylate	Ave	0.2211	0.2245		10.2	10.0	1.5	30.0
1,4-Dioxane	Ave	0.1097	0.0969		8.83	10.0	-11.6	30.0
Dibromomethane	Ave	0.3538	0.3450		9.75	10.0	-2.5	30.0
Bromodichloromethane	Ave	0.4167	0.4392		10.5	10.0	5.4	30.0
cis-1,3-Dichloropropene	Ave	0.3482	0.3607		10.4	10.0	3.6	30.0
methyl isobutyl ketone	Ave	0.3817	0.3803		9.96	10.0	-0.4	30.0
Toluene	Ave	0.5092	0.5086		9.99	10.0	-0.1	30.0
n-Octane	Ave	0.4337	0.4283		9.87	10.0	-1.3	30.0
trans-1,3-Dichloropropene	Ave	0.3631	0.3619		9.96	10.0	-0.3	30.0
1,1,2-Trichloroethane	Ave	0.2376	0.2400		10.1	10.0	1.0	30.0
Tetrachloroethene	Ave	0.5071	0.5116		10.1	10.0	0.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3781	0.3715		9.82	10.0	-1.8	30.0
Dibromochloromethane	Ave	0.4912	0.5528		11.3	10.0	12.6	30.0
1,2-Dibromoethane	Ave	0.4673	0.4822		10.3	10.0	3.2	30.0
Chlorobenzene	Ave	0.7250	0.7412		10.2	10.0	2.2	30.0
Ethylbenzene	Ave	1.098	1.112		10.1	10.0	1.3	30.0
n-Nonane	Ave	0.4713	0.4660		9.89	10.0	-1.1	30.0
m,p-Xylene	Ave	0.4629	0.4715		20.4	20.0	1.9	30.0
Xylene, o-	Ave	0.4575	0.4673		10.2	10.0	2.1	30.0
Styrene	Ave	0.7141	0.7367		10.3	10.0	3.2	30.0
Bromoform	Ave	0.4591	0.6011		13.1	10.0	30.9*	30.0
Cumene	Ave	1.305	1.329		10.2	10.0	1.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6141	0.6007		9.78	10.0	-2.2	30.0
n-Propylbenzene	Ave	1.521	1.551		10.2	10.0	2.0	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4716		10.1	10.0	0.7	30.0
n-Decane	Ave	0.5960	0.6034		10.1	10.0	1.3	30.0
4-Ethyltoluene	Ave	1.319	1.340		10.2	10.0	1.6	30.0
2-Chlorotoluene	Ave	1.032	1.041		10.1	10.0	0.9	30.0
1,3,5-Trimethylbenzene	Ave	1.089	1.113		10.2	10.0	2.2	30.0
Alpha Methyl Styrene	Ave	0.5739	0.6084		10.6	10.0	6.0	30.0
tert-Butylbenzene	Ave	1.085	1.108		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	1.091	1.116		10.2	10.0	2.3	30.0
sec-Butylbenzene	Ave	1.587	1.630		10.3	10.0	2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Lab Sample ID: CCVIS 200-92838/2 Calibration Date: 08/18/2015 12:13

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15321_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	1.397	1.432		10.3	10.0	2.5	30.0
1,3-Dichlorobenzene	Ave	0.8393	0.8613		10.3	10.0	2.6	30.0
1,4-Dichlorobenzene	Ave	0.8495	0.8731		10.3	10.0	2.8	30.0
Benzyl chloride	Ave	0.8886	0.9834		11.1	10.0	10.7	30.0
n-Undecane	Ave	0.6119	0.6352		10.4	10.0	3.8	30.0
n-Butylbenzene	Ave	1.176	1.198		10.2	10.0	1.9	30.0
1,2-Dichlorobenzene	Ave	0.7956	0.8132		10.2	10.0	2.2	30.0
n-Dodecane	Ave	0.5587	0.5952		10.7	10.0	6.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7342	0.7304		9.95	10.0	-0.5	30.0
Hexachlorobutadiene	Ave	0.6833	0.6861		10.0	10.0	0.4	30.0
Naphthalene	Ave	1.406	1.528		10.9	10.0	8.7	30.0
1,2,3-Trichlorobenzene	Ave	0.6787	0.7062		10.4	10.0	4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	0.4154	0.3798		9.14	10.0	-8.6	30.0
Dichlorodifluoromethane	Ave	1.945	1.851		9.51	10.0	-4.9	30.0
Freon 22	Ave	0.9407	0.8859		9.42	10.0	-5.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.978	2.134		10.8	10.0	7.9	30.0
Chloromethane	Ave	0.5474	0.4991		9.12	10.0	-8.8	30.0
n-Butane	Ave	0.8991	0.8056		8.96	10.0	-10.4	30.0
Vinyl chloride	Ave	0.6903	0.6589		9.54	10.0	-4.6	30.0
1,3-Butadiene	Ave	0.4958	0.4498		9.07	10.0	-9.3	30.0
Bromomethane	Ave	0.7816	0.7548		9.65	10.0	-3.4	30.0
Chloroethane	Ave	0.3486	0.3253		9.33	10.0	-6.7	30.0
Isopentane	Ave	0.6436	0.6084		9.45	10.0	-5.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9022	0.8684		9.62	10.0	-3.7	30.0
Trichlorofluoromethane	Ave	2.145	2.029		9.46	10.0	-5.4	30.0
n-Pentane	Ave	1.024	1.032		10.1	10.0	0.8	30.0
Ethanol	Ave	0.2146	0.2115		14.8	15.0	-1.5	30.0
Ethyl ether	Ave	0.4504	0.4932		10.9	10.0	9.5	30.0
Acrolein	Ave	0.1694	0.2041		12.0	10.0	20.5	30.0
Freon TF	Ave	1.717	1.670		9.72	10.0	-2.8	30.0
1,1-Dichloroethene	Ave	0.8028	0.7759		9.66	10.0	-3.4	30.0
Acetone	Ave	0.8752	0.8520		9.73	10.0	-2.7	30.0
Carbon disulfide	Ave	2.040	2.267		11.1	10.0	11.1	30.0
Isopropyl alcohol	Ave	0.8295	0.6747		8.13	10.0	-18.7	30.0
3-Chloropropene	Ave	0.6775	0.5474		8.08	10.0	-19.2	30.0
Acetonitrile	Ave	0.4149	0.4102		9.88	10.0	-1.1	30.0
Methylene Chloride	Ave	0.7371	0.6617		8.98	10.0	-10.2	30.0
tert-Butyl alcohol	Ave	1.330	1.177		8.85	10.0	-11.5	30.0
Methyl tert-butyl ether	Ave	2.220	2.130		9.59	10.0	-4.1	30.0
trans-1,2-Dichloroethene	Ave	1.031	1.047		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4784	0.4692		9.81	10.0	-1.9	30.0
n-Hexane	Ave	1.095	1.081		9.87	10.0	-1.2	30.0
1,1-Dichloroethane	Ave	1.392	1.328		9.54	10.0	-4.6	30.0
Vinyl acetate	Ave	1.632	1.567		9.60	10.0	-4.0	30.0
cis-1,2-Dichloroethene	Ave	1.013	0.9678		9.55	10.0	-4.5	30.0
Methyl Ethyl Ketone	Ave	0.4645	0.4282		9.22	10.0	-7.8	30.0
Ethyl acetate	Ave	0.0735	0.0803		10.9	10.0	9.2	30.0
Tetrahydrofuran	Ave	0.1425	0.1363		9.57	10.0	-4.3	30.0
Chloroform	Ave	1.858	1.788		9.62	10.0	-3.8	30.0
Cyclohexane	Ave	0.2503	0.2425		9.69	10.0	-3.1	30.0
1,1,1-Trichloroethane	Ave	0.3646	0.3519		9.65	10.0	-3.5	30.0
Carbon tetrachloride	Ave	0.3798	0.3903		10.3	10.0	2.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	0.8365	0.7874		9.41	10.0	-5.9	30.0
Benzene	Ave	0.5838	0.5577		9.55	10.0	-4.5	30.0
1,2-Dichloroethane	Ave	0.2049	0.1946		9.50	10.0	-5.0	30.0
n-Heptane	Ave	0.2817	0.2584		9.17	10.0	-8.3	30.0
n-Butanol	Ave	0.0971	0.0898		9.25	10.0	-7.5	30.0
Trichloroethene	Ave	0.2942	0.2687		9.13	10.0	-8.7	30.0
1,2-Dichloropropane	Ave	0.2219	0.2093		9.43	10.0	-5.6	30.0
Methyl methacrylate	Ave	0.2211	0.2177		9.84	10.0	-1.5	30.0
1,4-Dioxane	Ave	0.1097	0.0961		8.76	10.0	-12.4	30.0
Dibromomethane	Ave	0.3538	0.3195		9.03	10.0	-9.7	30.0
Bromodichloromethane	Ave	0.4167	0.4064		9.75	10.0	-2.5	30.0
cis-1,3-Dichloropropene	Ave	0.3482	0.3395		9.75	10.0	-2.5	30.0
methyl isobutyl ketone	Ave	0.3817	0.3573		9.36	10.0	-6.4	30.0
Toluene	Ave	0.5092	0.4937		9.69	10.0	-3.0	30.0
n-Octane	Ave	0.4337	0.3997		9.21	10.0	-7.8	30.0
trans-1,3-Dichloropropene	Ave	0.3631	0.3291		9.06	10.0	-9.4	30.0
1,1,2-Trichloroethane	Ave	0.2376	0.2320		9.76	10.0	-2.4	30.0
Tetrachloroethene	Ave	0.5071	0.4945		9.75	10.0	-2.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3781	0.3671		9.71	10.0	-2.9	30.0
Dibromochloromethane	Ave	0.4912	0.5066		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.4673	0.4565		9.77	10.0	-2.3	30.0
Chlorobenzene	Ave	0.7250	0.7085		9.77	10.0	-2.3	30.0
Ethylbenzene	Ave	1.098	1.066		9.71	10.0	-2.9	30.0
n-Nonane	Ave	0.4713	0.4474		9.49	10.0	-5.1	30.0
m,p-Xylene	Ave	0.4629	0.4498		19.4	20.0	-2.8	30.0
Xylene, o-	Ave	0.4575	0.4368		9.54	10.0	-4.5	30.0
Styrene	Ave	0.7141	0.6872		9.62	10.0	-3.8	30.0
Bromoform	Ave	0.4591	0.5348		11.6	10.0	16.5	30.0
Cumene	Ave	1.305	1.256		9.62	10.0	-3.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6141	0.6153		10.0	10.0	0.2	30.0
n-Propylbenzene	Ave	1.521	1.455		9.56	10.0	-4.4	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4416		9.43	10.0	-5.7	30.0
n-Decane	Ave	0.5960	0.5725		9.60	10.0	-3.9	30.0
4-Ethyltoluene	Ave	1.319	1.301		9.86	10.0	-1.3	30.0
2-Chlorotoluene	Ave	1.032	0.9857		9.55	10.0	-4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.089	1.056		9.70	10.0	-3.0	30.0
Alpha Methyl Styrene	Ave	0.5739	0.5831		10.2	10.0	1.6	30.0
tert-Butylbenzene	Ave	1.085	1.049		9.66	10.0	-3.3	30.0
1,2,4-Trimethylbenzene	Ave	1.091	1.055		9.66	10.0	-3.3	30.0
sec-Butylbenzene	Ave	1.587	1.538		9.69	10.0	-3.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab Sample ID: ICV 200-92823/15 Calibration Date: 08/18/2015 03:10

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15313_15.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	1.397	1.359		9.72	10.0	-2.7	30.0
1,3-Dichlorobenzene	Ave	0.8393	0.8052		9.59	10.0	-4.1	30.0
1,4-Dichlorobenzene	Ave	0.8495	0.8000		9.42	10.0	-5.8	30.0
Benzyl chloride	Ave	0.8886	0.7955		8.95	10.0	-10.5	30.0
n-Butylbenzene	Ave	1.176	1.136		9.66	10.0	-3.4	30.0
n-Undecane	Ave	0.6119	0.6147		10.0	10.0	0.5	30.0
1,2-Dichlorobenzene	Ave	0.7956	0.7670		9.64	10.0	-3.6	30.0
n-Dodecane	Ave	0.5587	0.6001		10.7	10.0	7.4	30.0
1,2,4-Trichlorobenzene	Ave	0.7342	0.6152		8.38	10.0	-16.2	30.0
Hexachlorobutadiene	Ave	0.6833	0.6492		9.50	10.0	-5.0	30.0
Naphthalene	Ave	1.406	1.188		8.45	10.0	-15.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6787	0.6036		8.89	10.0	-11.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab Sample ID: CCVIS 200-92838/2 Calibration Date: 08/18/2015 12:13

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15321_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	0.4154	0.4411		10.6	10.0	6.2	30.0
Dichlorodifluoromethane	Ave	1.945	2.016		10.4	10.0	3.6	30.0
Freon 22	Ave	0.9407	0.9758		10.4	10.0	3.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.978	2.040		10.3	10.0	3.1	30.0
Chloromethane	Ave	0.5474	0.5598		10.2	10.0	2.3	30.0
n-Butane	Ave	0.8991	0.8867		9.86	10.0	-1.4	30.0
Vinyl chloride	Ave	0.6903	0.7266		10.5	10.0	5.3	30.0
1,3-Butadiene	Ave	0.4958	0.5019		10.1	10.0	1.2	30.0
Bromomethane	Ave	0.7816	0.8030		10.3	10.0	2.7	30.0
Chloroethane	Ave	0.3486	0.3581		10.3	10.0	2.7	30.0
Isopentane	Ave	0.6436	0.6042		9.39	10.0	-6.1	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9022	0.9376		10.4	10.0	3.9	30.0
Trichlorofluoromethane	Ave	2.145	2.199		10.2	10.0	2.5	30.0
n-Pentane	Ave	1.024	1.013		9.89	10.0	-1.0	30.0
Ethanol	Ave	0.2146	0.2130		14.9	15.0	-0.8	30.0
Ethyl ether	Ave	0.4504	0.4759		10.6	10.0	5.7	30.0
Acrolein	Ave	0.1694	0.2226		13.1	10.0	31.4*	30.0
Freon TF	Ave	1.717	1.764		10.3	10.0	2.7	30.0
1,1-Dichloroethene	Ave	0.8028	0.8291		10.3	10.0	3.3	30.0
Acetone	Ave	0.8752	0.8195		9.36	10.0	-6.4	30.0
Carbon disulfide	Ave	2.040	2.108		10.3	10.0	3.3	30.0
Isopropyl alcohol	Ave	0.8295	0.7516		9.06	10.0	-9.4	30.0
3-Chloropropene	Ave	0.6775	0.6689		9.87	10.0	-1.3	30.0
Acetonitrile	Ave	0.4149	0.3997		9.63	10.0	-3.7	30.0
Methylene Chloride	Ave	0.7371	0.7119		9.66	10.0	-3.4	30.0
tert-Butyl alcohol	Ave	1.330	1.266		9.52	10.0	-4.8	30.0
Methyl tert-butyl ether	Ave	2.220	2.261		10.2	10.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.031	1.048		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4784	0.4822		10.1	10.0	0.8	30.0
n-Hexane	Ave	1.095	1.075		9.82	10.0	-1.8	30.0
1,1-Dichloroethane	Ave	1.392	1.395		10.0	10.0	0.2	30.0
Vinyl acetate	Ave	1.632	1.667		10.2	10.0	2.2	30.0
cis-1,2-Dichloroethene	Ave	1.013	1.048		10.3	10.0	3.4	30.0
Methyl Ethyl Ketone	Ave	0.4645	0.4287		9.23	10.0	-7.7	30.0
Ethyl acetate	Ave	0.0735	0.0778		10.6	10.0	5.8	30.0
Tetrahydrofuran	Ave	0.1425	0.1405		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.858	1.896		10.2	10.0	2.0	30.0
Cyclohexane	Ave	0.2503	0.2527		10.1	10.0	0.9	30.0
1,1,1-Trichloroethane	Ave	0.3646	0.3705		10.2	10.0	1.6	30.0
Carbon tetrachloride	Ave	0.3798	0.4135		10.9	10.0	8.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab Sample ID: CCVIS 200-92838/2 Calibration Date: 08/18/2015 12:13

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15321_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	0.8365	0.8402		10.0	10.0	0.4	30.0
Benzene	Ave	0.5838	0.5883		10.1	10.0	0.8	30.0
1,2-Dichloroethane	Ave	0.2049	0.2040		9.95	10.0	-0.5	30.0
n-Heptane	Ave	0.2817	0.2765		9.81	10.0	-1.9	30.0
n-Butanol	Ave	0.0971	0.0840		8.64	10.0	-13.5	30.0
Trichloroethene	Ave	0.2942	0.2998		10.2	10.0	1.9	30.0
1,2-Dichloropropane	Ave	0.2219	0.2254		10.2	10.0	1.6	30.0
Methyl methacrylate	Ave	0.2211	0.2245		10.2	10.0	1.5	30.0
1,4-Dioxane	Ave	0.1097	0.0969		8.83	10.0	-11.6	30.0
Dibromomethane	Ave	0.3538	0.3450		9.75	10.0	-2.5	30.0
Bromodichloromethane	Ave	0.4167	0.4392		10.5	10.0	5.4	30.0
cis-1,3-Dichloropropene	Ave	0.3482	0.3607		10.4	10.0	3.6	30.0
methyl isobutyl ketone	Ave	0.3817	0.3803		9.96	10.0	-0.4	30.0
Toluene	Ave	0.5092	0.5086		9.99	10.0	-0.1	30.0
n-Octane	Ave	0.4337	0.4283		9.87	10.0	-1.3	30.0
trans-1,3-Dichloropropene	Ave	0.3631	0.3619		9.96	10.0	-0.3	30.0
1,1,2-Trichloroethane	Ave	0.2376	0.2400		10.1	10.0	1.0	30.0
Tetrachloroethene	Ave	0.5071	0.5116		10.1	10.0	0.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3781	0.3715		9.82	10.0	-1.8	30.0
Dibromochloromethane	Ave	0.4912	0.5528		11.3	10.0	12.6	30.0
1,2-Dibromoethane	Ave	0.4673	0.4822		10.3	10.0	3.2	30.0
Chlorobenzene	Ave	0.7250	0.7412		10.2	10.0	2.2	30.0
Ethylbenzene	Ave	1.098	1.112		10.1	10.0	1.3	30.0
n-Nonane	Ave	0.4713	0.4660		9.89	10.0	-1.1	30.0
m,p-Xylene	Ave	0.4629	0.4715		20.4	20.0	1.9	30.0
Xylene, o-	Ave	0.4575	0.4673		10.2	10.0	2.1	30.0
Styrene	Ave	0.7141	0.7367		10.3	10.0	3.2	30.0
Bromoform	Ave	0.4591	0.6011		13.1	10.0	30.9*	30.0
Cumene	Ave	1.305	1.329		10.2	10.0	1.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6141	0.6007		9.78	10.0	-2.2	30.0
n-Propylbenzene	Ave	1.521	1.551		10.2	10.0	2.0	30.0
1,2,3-Trichloropropane	Ave	0.4684	0.4716		10.1	10.0	0.7	30.0
n-Decane	Ave	0.5960	0.6034		10.1	10.0	1.3	30.0
4-Ethyltoluene	Ave	1.319	1.340		10.2	10.0	1.6	30.0
2-Chlorotoluene	Ave	1.032	1.041		10.1	10.0	0.9	30.0
1,3,5-Trimethylbenzene	Ave	1.089	1.113		10.2	10.0	2.2	30.0
Alpha Methyl Styrene	Ave	0.5739	0.6084		10.6	10.0	6.0	30.0
tert-Butylbenzene	Ave	1.085	1.108		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	1.091	1.116		10.2	10.0	2.3	30.0
sec-Butylbenzene	Ave	1.587	1.630		10.3	10.0	2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Lab Sample ID: CCVIS 200-92838/2 Calibration Date: 08/18/2015 12:13

Instrument ID: CHX.i Calib Start Date: 08/17/2015 18:04

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/17/2015 23:52

Lab File ID: 15321_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	1.397	1.432		10.3	10.0	2.5	30.0
1,3-Dichlorobenzene	Ave	0.8393	0.8613		10.3	10.0	2.6	30.0
1,4-Dichlorobenzene	Ave	0.8495	0.8731		10.3	10.0	2.8	30.0
Benzyl chloride	Ave	0.8886	0.9834		11.1	10.0	10.7	30.0
n-Undecane	Ave	0.6119	0.6352		10.4	10.0	3.8	30.0
n-Butylbenzene	Ave	1.176	1.198		10.2	10.0	1.9	30.0
1,2-Dichlorobenzene	Ave	0.7956	0.8132		10.2	10.0	2.2	30.0
n-Dodecane	Ave	0.5587	0.5952		10.7	10.0	6.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7342	0.7304		9.95	10.0	-0.5	30.0
Hexachlorobutadiene	Ave	0.6833	0.6861		10.0	10.0	0.4	30.0
Naphthalene	Ave	1.406	1.528		10.9	10.0	8.7	30.0
1,2,3-Trichlorobenzene	Ave	0.6787	0.7062		10.4	10.0	4.1	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Instrument ID: CHG.i Start Date: 06/04/2015 15:39

Analysis Batch Number: 89271 End Date: 06/05/2015 04:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-89271/1		06/04/2015 15:39	1	13946_01.D	RTX-624 0.32(mm)
VIBLK 200-89271/2		06/04/2015 16:49	1		RTX-624 0.32(mm)
IC 200-89271/3		06/04/2015 17:41	1	13946_03.D	RTX-624 0.32(mm)
IC 200-89271/4		06/04/2015 18:31	1	13946_04.D	RTX-624 0.32(mm)
IC 200-89271/5		06/04/2015 19:22	1	13946_05.D	RTX-624 0.32(mm)
IC 200-89271/6		06/04/2015 20:14	1	13946_06.D	RTX-624 0.32(mm)
ICIS 200-89271/7		06/04/2015 21:04	1	13946_07.D	RTX-624 0.32(mm)
IC 200-89271/8		06/04/2015 21:55	1	13946_08.D	RTX-624 0.32(mm)
IC 200-89271/9		06/04/2015 22:46	1	13946_09.D	RTX-624 0.32(mm)
IC 200-89271/10		06/04/2015 23:37	1	13946_10.D	RTX-624 0.32(mm)
VIBLK 200-89271/11		06/05/2015 00:29	1		RTX-624 0.32(mm)
VIBLK 200-89271/12		06/05/2015 01:19	1		RTX-624 0.32(mm)
ICV 200-89271/13		06/05/2015 02:10	1	13946_13.D	RTX-624 0.32(mm)
VIBLK 200-89271/14		06/05/2015 03:01	1		RTX-624 0.32(mm)
ZZZZZ		06/05/2015 03:52	1		RTX-624 0.32(mm)
ZZZZZ		06/05/2015 04:43	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29085-1

SDG No.:

Instrument ID: CHG.i Start Date: 08/11/2015 11:26

Analysis Batch Number: 92567 End Date: 08/12/2015 11:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92567/1		08/11/2015 11:26	1	15221_01.D	RTX-624 0.32(mm)
CCVIS 200-92567/2		08/11/2015 12:18	1	15221_02.D	RTX-624 0.32(mm)
LCS 200-92567/3		08/11/2015 13:09	1	15221_03.D	RTX-624 0.32(mm)
MB 200-92567/4		08/11/2015 13:59	1	15221_04.D	RTX-624 0.32(mm)
ZZZZZ		08/11/2015 14:50	1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 15:42	1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 16:36	18.1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 17:27	18.1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 18:18	6.45		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 19:09	1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 20:01	1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 20:52	10		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 21:43	15.8		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 22:34	10		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 23:25	5		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 00:17	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 01:08	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 01:59	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 02:50	30.8		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 03:41	58.1		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 04:32	49.9		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 05:24	55.4		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 06:16	0.2		RTX-624 0.32(mm)
200-29085-6	5685	08/12/2015 07:08	0.2	15221_24.D	RTX-624 0.32(mm)
ZZZZZ		08/12/2015 07:59	15600		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 08:50	15600		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 09:42	23.6		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 10:33	23.6		RTX-624 0.32(mm)
ZZZZZ		08/12/2015 11:24	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Instrument ID: CHB.i Start Date: 08/03/2015 15:34

Analysis Batch Number: 92213 End Date: 08/04/2015 14:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92213/1		08/03/2015 15:34	1	15073_01.D	RTX-624 0.32(mm)
VIBLK 200-92213/2		08/03/2015 16:24	1		RTX-624 0.32(mm)
VIBLK 200-92213/3		08/03/2015 17:17	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2015 18:09	1		RTX-624 0.32(mm)
IC 200-92213/5		08/03/2015 19:01	1	15073_05.D	RTX-624 0.32(mm)
IC 200-92213/6		08/03/2015 19:54	1	15073_06.D	RTX-624 0.32(mm)
IC 200-92213/7		08/03/2015 20:46	1	15073_07.D	RTX-624 0.32(mm)
ZZZZZ		08/03/2015 21:38	1		RTX-624 0.32(mm)
IC 200-92213/9		08/03/2015 22:30	1	15073_09.D	RTX-624 0.32(mm)
IC 200-92213/10		08/03/2015 23:22	1	15073_10.D	RTX-624 0.32(mm)
IC 200-92213/11		08/04/2015 00:14	1	15073_11.D	RTX-624 0.32(mm)
VIBLK 200-92213/12		08/04/2015 01:06	1		RTX-624 0.32(mm)
VIBLK 200-92213/13		08/04/2015 01:58	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 02:51	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 03:43	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 04:35	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 05:27	1		RTX-624 0.32(mm)
VIBLK 200-92213/18		08/04/2015 09:29	1		RTX-624 0.32(mm)
IC 200-92213/19		08/04/2015 10:21	1	15073_19.D	RTX-624 0.32(mm)
ICIS 200-92213/20		08/04/2015 11:14	1	15073_20.D	RTX-624 0.32(mm)
ZZZZZ		08/04/2015 12:08	1		RTX-624 0.32(mm)
VIBLK 200-92213/22		08/04/2015 13:00	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 13:52	1		RTX-624 0.32(mm)
ICV 200-92213/24		08/04/2015 14:48	1	15073_24.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29156-1

SDG No.:

Instrument ID: CHB.i Start Date: 08/06/2015 10:23

Analysis Batch Number: 92381 End Date: 08/07/2015 03:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92381/1		08/06/2015 10:23	1	15141_01.D	RTX-624 0.32(mm)
CCVIS 200-92381/2		08/06/2015 11:14	1	15141_02.D	RTX-624 0.32(mm)
LCS 200-92381/3		08/06/2015 12:07	1	15141_03.D	RTX-624 0.32(mm)
MB 200-92381/4		08/06/2015 13:00	1	15141_04.D	RTX-624 0.32(mm)
ZZZZZ		08/06/2015 13:52	1		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 14:44	10		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 15:36	7910		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 16:28	3610		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 17:20	2860		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 18:12	5470		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 19:05	75.3		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 19:57	75.3		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 20:49	149		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 21:41	1		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 22:33	9.9		RTX-624 0.32(mm)
ZZZZZ		08/06/2015 23:25	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2015 00:18	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2015 01:20	0.2		RTX-624 0.32(mm)
ZZZZZ		08/07/2015 02:22	0.2		RTX-624 0.32(mm)
200-29156-10	2534	08/07/2015 03:25	0.2	15141_20.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Instrument ID: CHB.i Start Date: 08/03/2015 15:34

Analysis Batch Number: 92213 End Date: 08/04/2015 14:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92213/1		08/03/2015 15:34	1	15073_01.D	RTX-624 0.32(mm)
VIBLK 200-92213/2		08/03/2015 16:24	1		RTX-624 0.32(mm)
VIBLK 200-92213/3		08/03/2015 17:17	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2015 18:09	1		RTX-624 0.32(mm)
IC 200-92213/5		08/03/2015 19:01	1	15073_05.D	RTX-624 0.32(mm)
IC 200-92213/6		08/03/2015 19:54	1	15073_06.D	RTX-624 0.32(mm)
IC 200-92213/7		08/03/2015 20:46	1	15073_07.D	RTX-624 0.32(mm)
ZZZZZ		08/03/2015 21:38	1		RTX-624 0.32(mm)
IC 200-92213/9		08/03/2015 22:30	1	15073_09.D	RTX-624 0.32(mm)
IC 200-92213/10		08/03/2015 23:22	1	15073_10.D	RTX-624 0.32(mm)
IC 200-92213/11		08/04/2015 00:14	1	15073_11.D	RTX-624 0.32(mm)
VIBLK 200-92213/12		08/04/2015 01:06	1		RTX-624 0.32(mm)
VIBLK 200-92213/13		08/04/2015 01:58	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 02:51	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 03:43	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 04:35	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 05:27	1		RTX-624 0.32(mm)
VIBLK 200-92213/18		08/04/2015 09:29	1		RTX-624 0.32(mm)
IC 200-92213/19		08/04/2015 10:21	1	15073_19.D	RTX-624 0.32(mm)
ICIS 200-92213/20		08/04/2015 11:14	1	15073_20.D	RTX-624 0.32(mm)
ZZZZZ		08/04/2015 12:08	1		RTX-624 0.32(mm)
VIBLK 200-92213/22		08/04/2015 13:00	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2015 13:52	1		RTX-624 0.32(mm)
ICV 200-92213/24		08/04/2015 14:48	1	15073_24.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29205-1

SDG No.:

Instrument ID: CHB.i Start Date: 08/10/2015 10:44

Analysis Batch Number: 92494 End Date: 08/11/2015 08:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92494/1		08/10/2015 10:44	1	15192_01.D	RTX-624 0.32(mm)
CCVIS 200-92494/2		08/10/2015 11:33	1	15192_02.D	RTX-624 0.32(mm)
LCS 200-92494/3		08/10/2015 12:26	1	15192_03.D	RTX-624 0.32(mm)
MB 200-92494/4		08/10/2015 13:18	1	15192_04.D	RTX-624 0.32(mm)
ZZZZZ		08/10/2015 14:10	1		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 15:02	1		RTX-624 0.32(mm)
200-29205-3	4387	08/10/2015 16:04	0.2	15192_07.D	RTX-624 0.32(mm)
ZZZZZ		08/10/2015 16:56	1		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 17:49	1		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 18:42	8		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 19:35	2		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 20:27	2		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 21:20	2		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 22:12	2.5		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 23:04	17		RTX-624 0.32(mm)
ZZZZZ		08/10/2015 23:56	17		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 00:48	1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 01:40	1		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 02:33	2.99		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 03:26	2		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 04:18	6.06		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 05:10	2.99		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 06:02	6.06		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 06:54	2		RTX-624 0.32(mm)
ZZZZZ		08/11/2015 07:46	6.9		RTX-624 0.32(mm)
CCVC 200-92494/26		08/11/2015 08:38	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Instrument ID: CHX.i Start Date: 08/17/2015 15:35

Analysis Batch Number: 92823 End Date: 08/18/2015 04:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92823/1		08/17/2015 15:35	1	15313_01.D	RTX-624 0.32(mm)
VIBLK 200-92823/2		08/17/2015 16:25	1		RTX-624 0.32(mm)
VIBLK 200-92823/3		08/17/2015 17:14	1		RTX-624 0.32(mm)
IC 200-92823/4		08/17/2015 18:04	1	15313_04.D	RTX-624 0.32(mm)
IC 200-92823/5		08/17/2015 18:54	1	15313_05.D	RTX-624 0.32(mm)
IC 200-92823/6		08/17/2015 19:44	1	15313_06.D	RTX-624 0.32(mm)
IC 200-92823/7		08/17/2015 20:33	1	15313_07.D	RTX-624 0.32(mm)
ICIS 200-92823/8		08/17/2015 21:23	1	15313_08.D	RTX-624 0.32(mm)
IC 200-92823/9		08/17/2015 22:13	1	15313_09.D	RTX-624 0.32(mm)
IC 200-92823/10		08/17/2015 23:02	1	15313_10.D	RTX-624 0.32(mm)
IC 200-92823/11		08/17/2015 23:52	1	15313_11.D	RTX-624 0.32(mm)
VIBLK 200-92823/12		08/18/2015 00:42	1		RTX-624 0.32(mm)
VIBLK 200-92823/13		08/18/2015 01:31	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 02:21	1		RTX-624 0.32(mm)
ICV 200-92823/15		08/18/2015 03:10	1	15313_15.D	RTX-624 0.32(mm)
ZZZZZ		08/18/2015 04:00	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29276-1

SDG No.:

Instrument ID: CHX.i Start Date: 08/18/2015 11:23

Analysis Batch Number: 92838 End Date: 08/19/2015 08:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92838/1		08/18/2015 11:23	1	15321_01.D	RTX-624 0.32(mm)
CCVIS 200-92838/2		08/18/2015 12:13	1	15321_02.D	RTX-624 0.32(mm)
LCS 200-92838/3		08/18/2015 13:03	1	15321_03.D	RTX-624 0.32(mm)
MB 200-92838/4		08/18/2015 13:53	1	15321_04.D	RTX-624 0.32(mm)
ZZZZZ		08/18/2015 14:43	327		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 15:32	4		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 16:22	8		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 17:12	5.04		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 18:01	8		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 18:51	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 19:41	6.06		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 20:30	5		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 21:20	10		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 22:09	10		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 22:59	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 23:48	1		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 00:38	1		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 01:35	0.2		RTX-624 0.32(mm)
200-29276-7	3609	08/19/2015 02:33	0.2	15321_19.D	RTX-624 0.32(mm)
ZZZZZ		08/19/2015 03:30	0.2		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 07:59	10		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 08:49	303		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Instrument ID: CHX.i Start Date: 08/17/2015 15:35

Analysis Batch Number: 92823 End Date: 08/18/2015 04:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92823/1		08/17/2015 15:35	1	15313_01.D	RTX-624 0.32(mm)
VIBLK 200-92823/2		08/17/2015 16:25	1		RTX-624 0.32(mm)
VIBLK 200-92823/3		08/17/2015 17:14	1		RTX-624 0.32(mm)
IC 200-92823/4		08/17/2015 18:04	1	15313_04.D	RTX-624 0.32(mm)
IC 200-92823/5		08/17/2015 18:54	1	15313_05.D	RTX-624 0.32(mm)
IC 200-92823/6		08/17/2015 19:44	1	15313_06.D	RTX-624 0.32(mm)
IC 200-92823/7		08/17/2015 20:33	1	15313_07.D	RTX-624 0.32(mm)
ICIS 200-92823/8		08/17/2015 21:23	1	15313_08.D	RTX-624 0.32(mm)
IC 200-92823/9		08/17/2015 22:13	1	15313_09.D	RTX-624 0.32(mm)
IC 200-92823/10		08/17/2015 23:02	1	15313_10.D	RTX-624 0.32(mm)
IC 200-92823/11		08/17/2015 23:52	1	15313_11.D	RTX-624 0.32(mm)
VIBLK 200-92823/12		08/18/2015 00:42	1		RTX-624 0.32(mm)
VIBLK 200-92823/13		08/18/2015 01:31	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 02:21	1		RTX-624 0.32(mm)
ICV 200-92823/15		08/18/2015 03:10	1	15313_15.D	RTX-624 0.32(mm)
ZZZZZ		08/18/2015 04:00	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-29304-1

SDG No.:

Instrument ID: CHX.i Start Date: 08/18/2015 11:23

Analysis Batch Number: 92838 End Date: 08/19/2015 08:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-92838/1		08/18/2015 11:23	1	15321_01.D	RTX-624 0.32(mm)
CCVIS 200-92838/2		08/18/2015 12:13	1	15321_02.D	RTX-624 0.32(mm)
LCS 200-92838/3		08/18/2015 13:03	1	15321_03.D	RTX-624 0.32(mm)
MB 200-92838/4		08/18/2015 13:53	1	15321_04.D	RTX-624 0.32(mm)
ZZZZZ		08/18/2015 14:43	327		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 15:32	4		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 16:22	8		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 17:12	5.04		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 18:01	8		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 18:51	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 19:41	6.06		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 20:30	5		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 21:20	10		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 22:09	10		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 22:59	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2015 23:48	1		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 00:38	1		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 01:35	0.2		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 02:33	0.2		RTX-624 0.32(mm)
200-29304-12	4432	08/19/2015 03:30	0.2	15321_20.D	RTX-624 0.32(mm)
ZZZZZ		08/19/2015 07:59	10		RTX-624 0.32(mm)
ZZZZZ		08/19/2015 08:49	303		RTX-624 0.32(mm)

Shipping and Receiving Documents

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature:	Phone: (315) 336-7721 Ext 207

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774776CA01MA	774776-Influent	8/28	1140	GS	AC	0/0	N	-	-	1	1	1	Canister#: 5032 Regulator #: 6064
785786CA01MA	785786-Influent	8/28	1150	GS	AC	0/0	N	-	-	1	1	1	Canister#: 6019 Regulator #: 6045

Sample Condition Upon Receipt at Laboratory: Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

#1 Released by: (Sig)	Date: 9.2.15	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name:	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date: 9/3/15
Company Name: FPM Remediations Inc	Time:	Company Name:	Time:	Company Name: TA37V	Time: 1030

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil
GS = Gas Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
AC = Air Container

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

200-29580 Chain of Custody

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext 207
Carrier: Fedex	Sampler Signature:	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774VMP0101NA	774VMP-1	8/31	1108	GS	AC	0/0	N	-30	-3	1	1	1	Can #3011 , Reg #5829
774VMP0201NA	774VMP-2	8/31	1115	GS	AC	0/0	N	-29	-2	1	1	1	Can #3642 , Reg #4715
774VMP0301NA	774VMP-3	8/31	1120	GS	AC	0/0	N	-30	-5	1	1	1	Can #5457 , Reg #4981
776VMP0201NC	776VMP-2	8/31	1500	GS	AC	0/0	N	-30	-3	1	1	1	Can #5027 , Reg #4638
776VMP0201NA	776VMP-2	8/31	1500	GS	AC	0/0	N	-30	-3	1	1	1	Can #2692 , Reg #4977
776VMP0201NA	776VMP-1	8/31	1505	GS	AC	0/0	N	-29	-5	1	1	1	Can #5634 , Reg #4693
776VMP0301NA	776VMP-3	8/31	1515	GS	AC	0/0	N	-27	-3	1	1	1	Can #4324 , Reg #5316
774IA1NA	774-IA	8/31	0810	GS	AC	0/0	N	-29	-5	1	1	1	Can #3669 , Reg #5206
774776OA1NA	774776-OA	9/1	0805	GS	AC	0/0	N	-30	-2	1	1	1	Can #4088 , Reg #3188
776IA1NA	776-IA	8/31	0820	GS	AC	0/0	N	-30	-8	1	1	1	Can #5055 , Reg #5176

Sample Condition Upon Receipt at Laboratory:

Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

#1 Released by: (Sig)	Date: 9.2.15	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name:	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date: 9/3/15
Company Name: FPM Remediations Inc	Time:	Company Name:	Time:	Company Name: TAL V	Time: 1030

MATRIX
WG = Ground water

SMCODE
B = Bailer

SACODE
N = Normal Sample

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext 207
Carrier: Fedex	Sampler Signature:	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
786VMP0202PA	786VMP-2	9/1	1115	GS	AC	0/0	N	-30	-5	1	1	1	Can #4072 , Reg #5011
786VMP0302PA	786VMP-3	9/1	1105	GS	AC	0/0	N	-28	-2	1	1	1	Can #3282 , Reg #4714
786VMP0102PA	786VMP-1	9/1	1110	GS	AC	0/0	N	-30	-5	1	1	1	Can #4083 , Reg #4636
785IA15	785-IA	9/1	0825	GS	AC	0/0	N	-30	-2	1	1	1	Can #2725 , Reg #4246
786IA14	786-IA	9/1	0830	GS	AC	0/0	N	-30	-1	1	1	1	Can #5717 , Reg #2759
785786OA11	785786-OA	9/1	0815	GS	AC	0/0	N	-30	-1	1	1	1	Can #4309 , Reg #5181
785VMP0202PA	785VMP-2	9/1	1540	GS	AC	0/0	N	-28	-1	1	1	1	Can #4312 , Reg #4978
785VMP0501PA	785VMP-5	9/1	1600	GS	AC	0/0	N	-28	0	1	1	1	Can #5893 , Reg #4630
785VMP0401PA	785VMP-4	9/1	1545	GS	AC	0/0	N	-30	-4	1	1	1	Can #2521 , Reg #4597
786VMP0202PC	786VMP-2	9/1	1540	GS	AC	0/0	N	-26	-1	1	1	1	Can #5727 , Reg #4974
082815TB	Trip Blank	8/28	0745	GS	AC	0/0	T	N/A	N/A	1	1	1	Can #2876 , Reg #N/A

Sample Condition Upon Receipt at Laboratory:

Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

#1 Released by: (Sig)	Date: 9.2.15	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name:	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date: 9/3/15
Company Name: FPM Remediations Inc	Time:	Company Name:	Time:	Company Name: TABTV	Time: 1030

ORIGIN ID:UCAA (315) 336-7721
FPM REMEDIATIONS, INC.
584 PHOENIX DR
ROME, NY 13441
UNITED STATES US

SHIP DATE: 02SEP15
ACTWGT: 1.00 LB
CAD: 102601606/INET3670

BILL RECIPIENT

TO KATHRYN KELLY
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1027 REF: 1015-11-01-SVI
INV:
PO: DEPT:

539.0/CBB93/1D0

FedEx Express

5 of 7

THU - 03 SEP AA
STANDARD OVERNIGHT

MPS# 0263 7744 2538 8745
Mstr# 7744 2538 8230

0201

E6 BTVA

05403
VT-US BTV

Page 1567 of 1571

ORIGIN ID:UCAA (315) 336-7721
FPM REMEDIATIONS, INC.
584 PHOENIX DR
ROME, NY 13441
UNITED STATES US

SHIP DATE: 02SEP15
ACTWGT: 1.00 LB
CAD: 102601606/INET3670

BILL RECIPIENT

TO KATHRYN KELLY
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1027 REF: 1015-11-01-SVI
INV:
PO: DEPT:

539.0/CBB93/1D0

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1 of 7

THU - 03 SEP AA
STANDARD OVERNIGHT

TRK# 0201 7744 2538 8230
MASTER

E6 BTVA

05403
VT-US BTV

After printing this label:

1635

ORIGIN ID:UCAA (315) 336-7721
FPM REMEDIATIONS, INC.
584 PHOENIX DR
ROME, NY 13441
UNITED STATES US

SHIP DATE: 02SEP15
ACTWGT: 1.00 LB
CAD: 102601606/INET3670

BILL RECIPIENT

TO KATHRYN KELLY
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1027
INV:
PO:
REF: 1015-11-01-SVI
DEPT:

539J2/CBB9/31D0

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3 of 7

MPS# 0263 7744 2538 8079
Mstr# 7744 2538 8230

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THU - 03 SEP AA
STANDARD OVERNIGHT

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UNITED STATES US

SHIP DATE: 02SEP15
ACTWGT: 1.00 LB
CAD: 102601606/INET3670

BILL RECIPIENT

TO KATHRYN KELLY
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1027
INV:
PO:
REF: 1015-11-01-SVI
DEPT:

539J2/CBB9/31D0

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6 of 7

MPS# 0263 7744 2538 9145
Mstr# 7744 2538 8230

0201

THU - 03 SEP AA
STANDARD OVERNIGHT

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1636

ORIGIN ID:UCAA (315) 336-7721
FPM REMEDIATIONS, INC.
584 PHOENIX DR
ROME, NY 13441
UNITED STATES US

SHIP DATE: 02SEP15
ACTWGT: 1.00 LB
CAD: 102601606/INET3670

BILL RECIPIENT

TO KATHRYN KELLY
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1027 REF: 1015-11-01-SVI
INV:
PO: DEPT:

539.J2/CBB9/31D0

FedEx Express

E

4 of 7
MPS# 0263 7744 2538 8583
Mstr# 7744 2538 8230

THU - 03 SEP AA
STANDARD OVERNIGHT
0201

E6 BTVA

05403
VT-US BTV

ORIGIN ID:UCAA (315) 336-7721
FPM REMEDIATIONS, INC.
584 PHOENIX DR
ROME, NY 13441
UNITED STATES US

SHIP DATE: 02SEP15
ACTWGT: 1.00 LB
CAD: 102601606/INET3670

BILL RECIPIENT

TO KATHRYN KELLY
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1027 REF: 1015-11-01-SVI
INV:
PO: DEPT:

539.J2/CBB9/31D0

FedEx Express

E

2 of 7
MPS# 0263 7744 2538 8366
Mstr# 7744 2538 8230

THU - 03 SEP AA
STANDARD OVERNIGHT
0201

E6 BTVA

05403
VT-US BTV

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ORIGIN ID:UCAA (315) 336-7721
FPM REMEDIATIONS, INC.
584 PHOENIX DR
ROME, NY 13441
UNITED STATES US

SHIP DATE: 02SEP15
ACTWGT: 1.00 LB
CAD: 102801606/NET3870

BILL RECIPIENT

TO KATHRYN KELLY
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 923-1027
INV:
PO:

REF: 1015-11-01-SVI
DEPT:

539J2/CBB9/3:DD

FedEx Express

THU - 03 SEP AA
STANDARD OVERNIGHT

7 of 7
MPS# 7744 2538 9237
0283
Mstr# 7744 2538 8230

0201

05403
BTV
VT-US

E6 BTVA

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 200-29580-1

Login Number: 29580
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	NO NUMBERS
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	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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	

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Appendix E

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
GRIFFISS SUBSLAB VAPOR MITIGATION SYSTEM
Site Griffiss AFB Buildings 774/776, 785/786

Contract No. FA8903-10-D-8595
FPM Project No. 1015-11-01

TestAmerica Job # 200-29580-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil gas
Number of Samples:	22
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	August 28, 31, and September 1, 2015

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	Sample ID	Date
774VMP0101NA	8/31/15	082815TB	8/28/15
774VMP0201NA	8/31/15		
774VMP0301NA	8/31/15		
776VMP0101NA	8/31/15		
776VMP0201NA	8/31/15	776VMP0201NC	8/31/15
776VMP0301NA	8/31/15		
774IA1NA	8/31/15		
774776OA1NA	9/1/15		
776IA1NA	8/31/15		
774776CA01MA	8/28/15		
785786CA01MA	8/28/15		
786VMP0102PA	9/1/15		
786VMP0202PA	9/1/15		
786VMP0302PA	9/1/15		
785IA15	9/1/15		
786IA14	9/1/15		
785786OA11	9/1/15		
785VMP0202PA	9/1/15	785VMP0202PC	9/1/15
785VMP0501PA	9/1/15		
785VMP0401PA	9/1/15		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
IA, NA, OA, PA – Primary environmental samples
NC, PC – Field duplicate samples
TB – Trip blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included the EPA Compendium Methods for toxic organics: Volatile Organic Compounds (VOC) by EPA method TO-15.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and limits of quantitation (DL, LOQ)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blank concentrations less than half the RL, no further action was taken in such instances.

SAMPLE LABELING/CHAIN-OF-CUSTODY

All discrepancies noted between the sample labels and the chain-of-custody were resolved as discussed in the case narrative.

VOLATILE ORGANIC COMOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilutions:

Sample	Dilution
774VMP0301NA	1:20
785VMP0501PA	1:5.0
785VMP0401PA	1:5.0

The dilution results only are reported and are used in data verification as representing original results.

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
TestAmerica Job #200-29580-1: LCS 200-93647/3				
LCS: Bromoform	***141***	70-130	None	%Rec greater than upper control limit; all associated results non-detect (ND)
TestAmerica Job #200-29580-1: LCS 200-93784/3				
LCS: Bromoform	***144***	70-130	None	%Rec greater than upper control limit; all associated results ND

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are estimated (flagged "UJ"), unless a very low bias (<30%) is observed, in which case the non-detects are rejected (flagged "R"). The DOD QSM does allow for sporadic marginal exceedances.

Corrective Action: According to the case narrative, the laboratory did not perform corrective action for bromoform since the LCS exceeded control limits and all associated results were non-detect. Using professional judgment, the results were deemed usable without qualification.

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	QC Limit	Flag Applied	Rationale
CCVIS 200-93647/2				
Bromoform	***35.3***	±30	None	%D greater than upper control limit; associated results ND

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	QC Limit	Flag Applied	Rationale
CCVIS 200-93784/2				
Benzyl chloride	***35.7***	±30	None	%D > upper control limit; all associated results ND
Bromoform	***48.9***	±30	None	%D > upper control limit; all associated results ND

Corrective Action: No flagging was deemed necessary since associated results were non-detect and the bias was high.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. Using professional judgment, for sample results greater than the RL (equivalent to the LOQ), an RPD greater than 25% would at least warrant a "J" flag, especially for those results greater than 5 times (5x) the reporting limit. If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.
  The following table summarizes results of the relative percent differences (RPD's) of field duplicate samples 776VMP0201NA/NC and 785VMP0202PA/PC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
776VMP0201NA	776VMP0201NC	Dichlorodifluoromethane	2.8	2.7	2.5	0.1	None	Total difference < 2xLOQ
776VMP0201NA	776VMP0201NC	Freon 22	4.6	2.0	1.8	2.6	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Chloromethane	0.87 J	0.27 J	1.0	0.50	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	n-Butane	5.2	2.3	1.2	2.9	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Trichlorofluoromethane	1.5	1.5	1.1	0	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Freon TF	0.89 J	0.98 J	1.5	0.09	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Acetone	35	33	12	2	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Isopropyl alcohol	42	34	12	8	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Carbon disulfide	0.34 J	0.70 J	1.6	0.36	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Methylene chloride	0.48 J	0.56 J	1.7	0.08	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	tert-Butyl alcohol	2.4 J	1.4 J	15	1.0	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	n-Hexane	1.2	0.68 J	0.70	0.52	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Methyl Ethyl Ketone	3.2	4.0	1.5	0.8	None	Total diff. <

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
								2xLOQ
776VMP0201NA	776VMP0201NC	Chloroform	0.62 J	0.46 J	0.98	0.16	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Tetrahydrofuran	0.58 J	0.59 U	15	0.01	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Cyclohexane	0.41 J	0.57 J	0.69	0.16	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Carbon tetrachloride	0.62 J	0.69 J	1.3	0.07	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	2,2,4-Trimethylpentane	0.21 J	0.14 U	0.93	0.07	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Benzene	0.41 J	0.35 J	0.64	0.06	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	n-Heptane	0.35 J	0.33 U	0.82	0.02	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Trichloroethene	0.76 J	0.42 J	1.1	0.34	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Methyl isobutyl ketone	0.82 J	0.99 J	2.0	0.17	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Toluene	4.9	3.5	0.75	1.4	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Ethylbenzene	10	6.8	0.87	***38***	J	RPD > 25%
776VMP0201NA	776VMP0201NC	m,p-Xylene	9.6	6.7	2.2	2.9	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	o-Xylene	3.6	2.5	0.87	1.1	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Total Xylene	13	9.0	3.0	4.0	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Styrene	0.91	0.62 J	0.85	0.29	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Cumene	0.82 J	0.64 J	0.98	0.18	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	n-Propylbenzene	0.65 J	0.52 J	0.98	0.13	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	4-Ethyltoluene	0.82 J	0.57 J	0.98	0.25	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	1,3,5-Trimethylbenzene	0.73 J	0.54 J	0.98	0.19	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	1,2,4-Trimethylbenzene	2.6	2.0	0.98	0.6	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	4-Isopropyltoluene	0.34 J	0.29 J	1.1	0.05	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	1,3-Dichlorobenzene	1.2	0.96 J	1.2	0.24	None	Total diff. < 2xLOQ
776VMP0201NA	776VMP0201NC	Naphthalene	0.85 J	0.76 J	2.6	0.09	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Dichlorodifluoromethane	2.7	2.4 J	2.5	0.3	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Freon 22	0.95 J	0.84 J	1.8	0.11	None	Total diff. < 2xLOQ

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
785VMP0202PA	785VMP0202PC	Chloromethane	4.2	2.9	1.0	1.3	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	n-Butane	1.0 J	0.86 J	1.2	0.14	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Trichlorofluoromethane	1.4	1.2	1.1	0.2	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Freon TF	0.68 J	0.60 J	1.5	0.08	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Acetone	14	12	12	2	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Isopropyl alcohol	4.2 J	3.7 J	12	0.5	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Carbon disulfide	4.8	26	1.6	21	J	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Methylene chloride	0.69 U	0.41 J	1.7	0.28	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	tert-Butyl alcohol	3.3 J	2.1 J	15	1.2	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	n-Hexane	0.23 J	0.31 J	0.70	0.08	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Methyl Ethyl Ketone	3.6	3.1	1.5	0.5	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	cis-1,2-dichloroethene	0.16 J	0.14 J	0.79	0.02	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Chloroform	0.28 J	0.39 U	0.98	0.11	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Tetrahydrofuran	21	18	15	3	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Carbon tetrachloride	0.57 J	0.52 J	1.3	0.05	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Benzene	0.25 J	0.25 J	0.64	0	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Trichloroethene	15	12	1.1	22	None	RPD < 25%
785VMP0202PA	785VMP0202PC	Methyl isobutyl ketone	0.96 J	0.72 J	2.0	0.24	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Toluene	2.1	1.9	0.75	0.3	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	2-Hexanone	0.77 J	0.82 U	2.0	0.05	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Ethylbenzene	5.8	4.2	0.87	1.6	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	m,p-Xylene	6.5	4.9	2.2	1.6	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	o-Xylene	2.9	2.1	0.87	0.8	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Total Xylene	9.4	6.9	3.0	2.5	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Styrene	0.52 J	0.39 J	0.85	0.13	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Cumene	0.61 J	0.50 J	0.98	0.11	None	Total diff. <

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
								2xLOQ
785VMP0202PA	785VMP0202PC	n-Propylbenzene	0.78 J	0.53 J	0.98	0.25	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	4-Ethyltoluene	0.98	0.72 J	0.98	0.26	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	1,3,5-Trimethylbenzene	1.1	0.63 J	0.98	0.47	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	1,2,4-Trimethylbenzene	3.9	2.4	0.98	1.5	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	4-Isopropyltoluene	0.45 J	0.82 J	1.1	0.37	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	1,3-Dichlorobenzene	2.2	1.3	1.2	0.90	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	1,4-Dichlorobenzene	0.21 J	0.12 J	1.2	0.09	None	Total diff. < 2xLOQ
785VMP0202PA	785VMP0202PC	Naphthalene	0.54 J	0.87 J	2.6	0.33	None	Total diff. < 2xLOQ

Corrective Action: A “J” flag was applied to the duplicate sample sets 776VMP0201NA/NC and 785VMP0202PA/PC for the analytes as listed above, since either the total difference was greater than twice the LOQ, or the RPD exceeded the control limit. All other results met the field duplicate criterion as described above.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are usable with the data qualifiers as noted. It should be noted that non-reportable results did not affect overall data usability. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-58004-1 are usable, which can be used with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 9/14/14

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 200-29580-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-29580-1	774776CA01MA	Air	08/28/2015 1140	09/03/2015 1030
200-29580-2	785786CA01MA	Air	08/28/2015 1150	09/03/2015 1030
200-29580-3	774VMP0101NA	Air	08/31/2015 1108	09/03/2015 1030
200-29580-4	774VMP0201NA	Air	08/31/2015 1115	09/03/2015 1030
200-29580-5	774VMP0301NA	Air	08/31/2015 1120	09/03/2015 1030
200-29580-6	776VMP0201NC	Air	08/31/2015 1500	09/03/2015 1030
200-29580-7	776VMP0201NA	Air	08/31/2015 1500	09/03/2015 1030
200-29580-8	~~776VMP0201NA~~ 776VMP0101NA	Air	08/31/2015 1505	09/03/2015 1030
200-29580-9	776VMP0301NA	Air	08/31/2015 1515	09/03/2015 1030
200-29580-10	774IA1NA	Air	08/31/2015 0810	09/03/2015 1030
200-29580-11	774776OA1NA	Air	09/01/2015 0805	09/03/2015 1030
200-29580-12	776IA1NA	Air	08/31/2015 0820	09/03/2015 1030
200-29580-13	786VMP0202PA	Air	09/01/2015 1115	09/03/2015 1030
200-29580-14	786VMP0302PA	Air	09/01/2015 1105	09/03/2015 1030
200-29580-15	786VMP0102PA	Air	09/01/2015 1110	09/03/2015 1030
200-29580-16	785IA15	Air	09/01/2015 0825	09/03/2015 1030
200-29580-17	786IA14	Air	09/01/2015 0830	09/03/2015 1030
200-29580-18	785786OA11	Air	09/01/2015 0815	09/03/2015 1030
200-29580-19	785VMP0202PA	Air	09/01/2015 1540	09/03/2015 1030
200-29580-20	785VMP0501PA	Air	09/01/2015 1600	09/03/2015 1030
200-29580-21	785VMP0401PA	Air	09/01/2015 1545	09/03/2015 1030
200-29580-22	~~786VMP0202PC~~ 785VMP0202PC	Air	09/01/2015 1540	09/03/2015 1030
200-29580-23TB	082815TB	Air	08/28/2015 0745	09/03/2015 1030

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB 1015-1-01 SVI
Report Number: 200-29580-1

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

Twenty-three samples were received at TestAmerica Burlington on 09/03/2015; the samples arrived in good condition and properly preserved.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 774776CA01MA (200-29580-1), 785786CA01MA (200-29580-2), 774VMP0101NA (200-29580-3), 774VMP0201NA (200-29580-4), 774VMP0301NA (200-29580-5), 776VMP0201NC (200-29580-6), 776VMP0201NA (200-29580-7), 776VMP0201NA (200-29580-8), 776VMP0301NA (200-29580-9), 774IA1NA (200-29580-10), 774776OA1NA (200-29580-11), 776IA1NA (200-29580-12), 786VMP0202PA (200-29580-13), 786VMP0302PA (200-29580-14), 786VMP0102PA (200-29580-15), 785IA15 (200-29580-16), 786IA14 (200-29580-17), 785786OA11 (200-29580-18), 785VMP0202PA (200-29580-19), 785VMP0501PA (200-29580-20), 785VMP0401PA (200-29580-21), 786VMP0202PC (200-29580-22) and 082815TB (200-29580-23) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 09/04/2015, 09/05/2015, 09/10/2015 and 09/11/2015.

Methylene Chloride was detected in method blank MB 200-93647/4 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Bromoform failed the recovery criteria high for LCS 200-93647/3. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported and flagged "Q".

Bromoform failed the recovery criteria high for LCS 200-93784/3. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported and flagged "Q".

The continuing calibration verification (CCV) associated with batch 200-93647 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 200-93784 recovered above the upper control limit for Benzyl Chloride and Bromoform. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

Samples 774VMP0301NA (200-29580-5), 785VMP0501PA (200-29580-20) and 785VMP0401PA (200-29580-21) required dilutions prior to analysis due to the abundance of target and/or non-target analytes. 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.

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774776CA01MA**

Lab Sample ID: 200-29580-1
Client Matrix: Air

Date Sampled: 08/28/2015 1140
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.4		0.056	0.50
Freon 22	0.92		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.28	J	0.060	0.50
n-Butane	0.71		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	7.5		0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	15		0.69	5.0
Isopropyl alcohol	4.3	J	0.15	5.0
Carbon disulfide	0.48	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U M	0.12	0.50
tert-Butyl alcohol	0.22	J M	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.084	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.4		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.50		0.038	0.20
Tetrahydrofuran	0.31	J	0.18	5.0
1,1,1-Trichloroethane	0.30	M	0.030	0.20
Cyclohexane	0.042	J	0.010	0.20
Carbon tetrachloride	0.24		0.011	0.20
2,2,4-Trimethylpentane	0.23		0.023	0.20
Benzene	0.11	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	15		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.29		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.10	J	0.030	0.20

CWS 10/16/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774776CA01MA**

Lab Sample ID: 200-29580-1
Client Matrix: Air

Date Sampled: 08/28/2015 1140
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.28		0.020	0.20
m,p-Xylene	0.92		0.025	0.50
Xylene, o-	0.32		0.018	0.20
Xylene (total)	1.2		0.041	0.70
Styrene	0.034	J	0.016	0.20
Bromoform	0.030	U,Ø	0.025	0.20
Cumene	0.029	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.061	J	0.027	0.20
4-Ethyltoluene	0.11	J	0.020	0.20
1,3,5-Trimethylbenzene	0.085	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.29		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.089	J	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	6.8		0.28	2.5
Freon 22	3.3		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.58	J	0.12	1.0
n-Butane	1.7		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	42		0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	36		1.6	12
Isopropyl alcohol	11	J	0.37	12
Carbon disulfide	1.5	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774776CA01MA**

Lab Sample ID: 200-29580-1
Client Matrix: Air

Date Sampled: 08/28/2015 1140
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U M	0.42	1.7
tert-Butyl alcohol	0.65	J M	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.30	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.0		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	2.4		0.19	0.98
Tetrahydrofuran	0.91	J	0.53	15
1,1,1-Trichloroethane	1.6	M	0.16	1.1
Cyclohexane	0.14	J	0.034	0.69
Carbon tetrachloride	1.5		0.069	1.3
2,2,4-Trimethylpentane	1.1		0.11	0.93
Benzene	0.37	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	82		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	1.1		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.69	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	1.2		0.087	0.87
m,p-Xylene	4.0		0.11	2.2
Xylene, o-	1.4		0.078	0.87
Xylene (total)	5.4		0.18	3.0
Styrene	0.15	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.14	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.30	J	0.13	0.98
4-Ethyltoluene	0.55	J	0.098	0.98
1,3,5-Trimethylbenzene	0.42	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

ELT 10/16/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774776CA01MA**

Lab Sample ID: 200-29580-1
Client Matrix: Air

Date Sampled: 08/28/2015 1140
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1413			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1413			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.49	J	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785786CA01MA**

Lab Sample ID: 200-29580-2
Client Matrix: Air

Date Sampled: 08/28/2015 1150
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 1505
Prep Date: 09/10/2015 1505

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_009.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.0		0.056	0.50
Freon 22	0.65		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.73		0.060	0.50
n-Butane	0.45	J M	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.073	J	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.46		0.045	0.20
Freon TF	0.14	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	7.1		0.69	5.0
Isopropyl alcohol	0.43	J	0.15	5.0
Carbon disulfide	1.4		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.21	J M	0.12	0.50
tert-Butyl alcohol	0.15	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.068	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.1		0.092	0.50
cis-1,2-Dichloroethene	0.29	M	0.030	0.20
1,2-Dichloroethene, Total	0.29	J	0.053	0.40
Chloroform	0.51		0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.092	J M	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.16	J	0.011	0.20
2,2,4-Trimethylpentane	0.037	J	0.023	0.20
Benzene	0.19	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	27		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.24		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.90		0.030	0.20

CLH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785786CA01MA**

Lab Sample ID: 200-29580-2
Client Matrix: Air

Date Sampled: 08/28/2015 1150
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1505			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1505			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.066	J	0.020	0.20
m,p-Xylene	0.20	J	0.025	0.50
Xylene, o-	0.064	J	0.018	0.20
Xylene (total)	0.26	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.032	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.035	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	5.0		0.28	2.5
Freon 22	2.3		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.5		0.12	1.0
n-Butane	1.1	J M	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.19	J	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.6		0.25	1.1
Freon TF	1.1	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	17		1.6	12
Isopropyl alcohol	1.1	J	0.37	12
Carbon disulfide	4.4		0.093	1.6

ald 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785786CA01MA**

Lab Sample ID: 200-29580-2
Client Matrix: Air

Date Sampled: 08/28/2015 1150
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 1505
Prep Date: 09/10/2015 1505

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_009.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.73	J M	0.42	1.7
tert-Butyl alcohol	0.46	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.24	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.3		0.27	1.5
cis-1,2-Dichloroethene	1.2	M	0.12	0.79
1,2-Dichloroethene, Total	1.1	J	0.21	1.6
Chloroform	2.5		0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.50	J M	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	1.0	J	0.069	1.3
2,2,4-Trimethylpentane	0.17	J	0.11	0.93
Benzene	0.61	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	140		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.89		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	6.1		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.29	J	0.087	0.87
m,p-Xylene	0.87	J	0.11	2.2
Xylene, o-	0.28	J	0.078	0.87
Xylene (total)	1.1	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

CLS 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785786CA01MA**

Lab Sample ID: 200-29580-2
Client Matrix: Air

Date Sampled: 08/28/2015 1150
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1505			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1505			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.16	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.18	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0101NA**

Lab Sample ID: 200-29580-3
Client Matrix: Air

Date Sampled: 08/31/2015 1108
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1556			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1556			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.53		0.060	0.50
n-Butane	0.47	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.37		0.045	0.20
Freon TF	0.070	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	8.2		0.69	5.0
Isopropyl alcohol	3.0	J	0.15	5.0
Carbon disulfide	2.9		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.15	J	0.12	0.50
tert-Butyl alcohol	0.25	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.060	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.88		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.099	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.17	J	0.010	0.20
Carbon tetrachloride	0.083	J	0.011	0.20
2,2,4-Trimethylpentane	0.039	J	0.023	0.20
Benzene	0.13	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.092	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	J	0.18	0.50
Toluene	0.91		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0101NA**

Lab Sample ID: 200-29580-3
Client Matrix: Air

Date Sampled: 08/31/2015 1108
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1556			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1556			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.4		0.020	0.20
m,p-Xylene	1.5		0.025	0.50
Xylene, o-	0.53		0.018	0.20
Xylene (total)	2.0		0.041	0.70
Styrene	0.13	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.10	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.091	J	0.027	0.20
4-Ethyltoluene	0.11	J	0.020	0.20
1,3,5-Trimethylbenzene	0.10	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.37		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.15	J	0.020	0.20
1,3-Dichlorobenzene	0.11	J	0.020	0.20
1,4-Dichlorobenzene	0.17	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.10	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.1		0.12	1.0
n-Butane	1.1	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.1		0.25	1.1
Freon TF	0.54	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	20		1.6	12
Isopropyl alcohol	7.4	J	0.37	12
Carbon disulfide	9.0		0.093	1.6

CMS 9/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0101NA**

Lab Sample ID: 200-29580-3
Client Matrix: Air

Date Sampled: 08/31/2015 1108
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 1556
Prep Date: 09/10/2015 1556

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_010.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.53	J	0.42	1.7
tert-Butyl alcohol	0.77	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.21	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.6		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.49	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.59	J	0.034	0.69
Carbon tetrachloride	0.52	J	0.069	1.3
2,2,4-Trimethylpentane	0.18	J	0.11	0.93
Benzene	0.43	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.50	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.80	J	0.74	2.0
Toluene	3.4		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	6.2		0.087	0.87
m,p-Xylene	6.3		0.11	2.2
Xylene, o-	2.3		0.078	0.87
Xylene (total)	8.8		0.18	3.0
Styrene	0.54	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.49	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.45	J	0.13	0.98
4-Ethyltoluene	0.52	J	0.098	0.98
1,3,5-Trimethylbenzene	0.49	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

MD 9/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0101NA**

Lab Sample ID: 200-29580-3
Client Matrix: Air

Date Sampled: 08/31/2015 1108
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1556			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1556			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.8		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.81	J	0.11	1.1
1,3-Dichlorobenzene	0.65	J	0.12	1.2
1,4-Dichlorobenzene	1.0	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.54	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0201NA**

Lab Sample ID: 200-29580-4
Client Matrix: Air

Date Sampled: 08/31/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.58		0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.39	J	0.060	0.50
n-Butane	0.79		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.53		0.045	0.20
Freon TF	0.086	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	12		0.69	5.0
Isopropyl alcohol	2.9	J	0.15	5.0
Carbon disulfide	0.062	J M	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.13	J	0.12	0.50
tert-Butyl alcohol	0.21	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.11	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.63		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.12	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.12	J M	0.030	0.20
Cyclohexane	0.054	J M	0.010	0.20
Carbon tetrachloride	0.11	J	0.011	0.20
2,2,4-Trimethylpentane	0.045	J	0.023	0.20
Benzene	0.13	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.071	J	0.037	0.20
Trichloroethene	0.35		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	1.1		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

CLK 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0201NA**

Lab Sample ID: 200-29580-4
Client Matrix: Air

Date Sampled: 08/31/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.2		0.020	0.20
m,p-Xylene	1.3		0.025	0.50
Xylene, o-	0.50		0.018	0.20
Xylene (total)	1.8		0.041	0.70
Styrene	0.13	J	0.016	0.20
Bromoform	0.030	U ⌀	0.025	0.20
Cumene	0.088	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.093	J	0.027	0.20
4-Ethyltoluene	0.13	J	0.020	0.20
1,3,5-Trimethylbenzene	0.10	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.36		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.051	J	0.020	0.20
1,3-Dichlorobenzene	0.12	J	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.16	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.9		0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.82	J	0.12	1.0
n-Butane	1.9		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	3.0		0.25	1.1
Freon TF	0.66	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	29		1.6	12
Isopropyl alcohol	7.1	J	0.37	12
Carbon disulfide	0.19	J M	0.093	1.6

Clst 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0201NA**

Lab Sample ID: 200-29580-4
Client Matrix: Air

Date Sampled: 08/31/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.45	J	0.42	1.7
tert-Butyl alcohol	0.63	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.37	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.9		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.58	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.66	J M	0.16	1.1
Cyclohexane	0.19	J M	0.034	0.69
Carbon tetrachloride	0.67	J	0.069	1.3
2,2,4-Trimethylpentane	0.21	J	0.11	0.93
Benzene	0.41	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.29	J	0.15	0.82
Trichloroethene	1.9		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	4.1		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	5.2		0.087	0.87
m,p-Xylene	5.7		0.11	2.2
Xylene, o-	2.2		0.078	0.87
Xylene (total)	7.8		0.18	3.0
Styrene	0.55	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.43	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.46	J	0.13	0.98
4-Ethyltoluene	0.64	J	0.098	0.98
1,3,5-Trimethylbenzene	0.50	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

CLH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0201NA**

Lab Sample ID: 200-29580-4
Client Matrix: Air

Date Sampled: 08/31/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_011.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1646			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1646			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.8		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.28	J	0.11	1.1
1,3-Dichlorobenzene	0.71	J	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.82	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0301NA**

Lab Sample ID: 200-29580-5
Client Matrix: Air

Date Sampled: 08/31/2015 1120
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 20
Analysis Date: 09/10/2015 1734
Prep Date: 09/10/2015 1734

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_012.d
Initial Weight/Volume: 20 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.0	U	1.1	10
Freon 22	4.0	U	1.6	10
1,2-Dichlorotetrafluoroethane	1.6	U	1.0	4.0
Chloromethane	4.0	U	1.2	10
n-Butane	4.0	U	3.6	10
Vinyl chloride	0.60	U	0.52	4.0
1,3-Butadiene	1.6	U	0.72	4.0
Bromomethane	1.6	U	0.88	4.0
Chloroethane	1.6	U	1.2	10
Bromoethene(Vinyl Bromide)	0.60	U	0.40	4.0
Trichlorofluoromethane	2.2	J D M	0.90	4.0
Freon TF	1.6	U	0.82	4.0
1,1-Dichloroethene	0.60	U	0.20	4.0
Acetone	50	U	14	100
Isopropyl alcohol	3.6	J D	3.0	100
Carbon disulfide	1.6	U	0.60	10
3-Chloropropene	4.0	U	3.2	10
Methylene Chloride	4.0	U	2.4	10
tert-Butyl alcohol	4.0	U	2.4	100
Methyl tert-butyl ether	0.60	U	0.44	4.0
trans-1,2-Dichloroethene	0.60	U	0.54	4.0
n-Hexane	0.60	U	0.56	4.0
1,1-Dichloroethane	0.60	U	0.56	4.0
Methyl Ethyl Ketone	4.0	U	1.8	10
cis-1,2-Dichloroethene	1.6	U	0.60	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	8.0
Chloroform	1.6	U	0.76	4.0
Tetrahydrofuran	4.0	U	3.6	100
1,1,1-Trichloroethane	1.6	U	0.60	4.0
Cyclohexane	0.60	U	0.20	4.0
Carbon tetrachloride	61	D	0.22	4.0
2,2,4-Trimethylpentane	0.60	U	0.46	4.0
Benzene	0.60	U	0.58	4.0
1,2-Dichloroethane	1.6	U	1.0	4.0
n-Heptane	1.6	U	0.74	4.0
Trichloroethene	0.60	U	0.60	4.0
Methyl methacrylate	4.0	U	1.9	10
1,2-Dichloropropane	1.6	U	0.70	4.0
1,4-Dioxane	4.0	U	3.2	100
Bromodichloromethane	0.60	U	0.58	4.0
cis-1,3-Dichloropropene	0.60	U	0.58	4.0
methyl isobutyl ketone	4.0	U	3.6	10
Toluene	0.60	U	0.50	4.0
trans-1,3-Dichloropropene	0.60	U	0.52	4.0
1,1,2-Trichloroethane	1.6	U	0.74	4.0
Tetrachloroethene	0.60	U	0.60	4.0

CMH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0301NA**

Lab Sample ID: 200-29580-5
Client Matrix: Air

Date Sampled: 08/31/2015 1120
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 20
Analysis Date: 09/10/2015 1734
Prep Date: 09/10/2015 1734

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_012.d
Initial Weight/Volume: 20 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	4.0	U	3.4	10
Dibromochloromethane	0.60	U	0.40	4.0
1,2-Dibromoethane	0.60	U	0.36	4.0
Chlorobenzene	0.60	U	0.36	4.0
Ethylbenzene	0.60	U	0.40	4.0
m,p-Xylene	1.2	U	0.50	10
Xylene, o-	0.60	U	0.36	4.0
Xylene (total)	1.8	U	0.82	14
Styrene	0.60	U	0.32	4.0
Bromoform	0.60	U Ø	0.50	4.0
Cumene	0.60	U	0.38	4.0
1,1,2,2-Tetrachloroethane	1.6	U	0.68	4.0
n-Propylbenzene	0.60	U	0.54	4.0
4-Ethyltoluene	0.60	U	0.40	4.0
1,3,5-Trimethylbenzene	0.60	U	0.38	4.0
2-Chlorotoluene	1.6	U	0.62	4.0
tert-Butylbenzene	0.60	U	0.40	4.0
1,2,4-Trimethylbenzene	0.60	U	0.32	4.0
sec-Butylbenzene	0.60	U	0.42	4.0
4-Isopropyltoluene	0.60	U	0.40	4.0
1,3-Dichlorobenzene	0.60	U	0.40	4.0
1,4-Dichlorobenzene	0.60	U	0.38	4.0
Benzyl chloride	0.60	U	0.36	4.0
n-Butylbenzene	0.60	U	0.56	4.0
1,2-Dichlorobenzene	0.60	U	0.36	4.0
1,2,4-Trichlorobenzene	1.6	U	0.68	10
Hexachlorobutadiene	1.6	U	0.72	4.0
Naphthalene	1.6	U	0.60	10

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	20	U	5.5	49
Freon 22	14	U	5.7	35
1,2-Dichlorotetrafluoroethane	11	U	7.3	28
Chloromethane	8.3	U	2.5	21
n-Butane	9.5	U	8.6	24
Vinyl chloride	1.5	U	1.3	10
1,3-Butadiene	3.5	U	1.6	8.8
Bromomethane	6.2	U	3.4	16
Chloroethane	4.2	U	3.2	26
Bromoethene(Vinyl Bromide)	2.6	U	1.7	17
Trichlorofluoromethane	13	J D M	5.1	22
Freon TF	12	U	6.3	31
1,1-Dichloroethene	2.4	U	0.79	16
Acetone	120	U	33	240
Isopropyl alcohol	8.9	J D	7.4	250
Carbon disulfide	5.0	U	1.9	31

CHH 10/29/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0301NA**

Lab Sample ID: 200-29580-5
Client Matrix: Air

Date Sampled: 08/31/2015 1120
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 20
Analysis Date: 09/10/2015 1734
Prep Date: 09/10/2015 1734

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_012.d
Initial Weight/Volume: 20 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	13	U	10	31
Methylene Chloride	14	U	8.3	35
tert-Butyl alcohol	12	U	7.3	300
Methyl tert-butyl ether	2.2	U	1.6	14
trans-1,2-Dichloroethene	2.4	U	2.1	16
n-Hexane	2.1	U	2.0	14
1,1-Dichloroethane	2.4	U	2.3	16
Methyl Ethyl Ketone	12	U	5.4	29
cis-1,2-Dichloroethene	6.3	U	2.4	16
1,2-Dichloroethene, Total	6.3	U	4.2	32
Chloroform	7.8	U	3.7	20
Tetrahydrofuran	12	U	11	290
1,1,1-Trichloroethane	8.7	U	3.3	22
Cyclohexane	2.1	U	0.69	14
Carbon tetrachloride	380	D	1.4	25
2,2,4-Trimethylpentane	2.8	U	2.1	19
Benzene	1.9	U	1.9	13
1,2-Dichloroethane	6.5	U	4.2	16
n-Heptane	6.6	U	3.0	16
Trichloroethene	3.2	U	3.2	21
Methyl methacrylate	16	U	7.9	41
1,2-Dichloropropane	7.4	U	3.2	18
1,4-Dioxane	14	U	12	360
Bromodichloromethane	4.0	U	3.9	27
cis-1,3-Dichloropropene	2.7	U	2.6	18
methyl isobutyl ketone	16	U	15	41
Toluene	2.3	U	1.9	15
trans-1,3-Dichloropropene	2.7	U	2.4	18
1,1,2-Trichloroethane	8.7	U	4.0	22
Tetrachloroethene	4.1	U	4.1	27
Methyl Butyl Ketone (2-Hexanone)	16	U	14	41
Dibromochloromethane	5.1	U	3.4	34
1,2-Dibromoethane	4.6	U	2.8	31
Chlorobenzene	2.8	U	1.7	18
Ethylbenzene	2.6	U	1.7	17
m,p-Xylene	5.2	U	2.2	43
Xylene, o-	2.6	U	1.6	17
Xylene (total)	7.8	U	3.6	61
Styrene	2.6	U	1.4	17
Bromoform	6.2	U	5.2	41
Cumene	2.9	U	1.9	20
1,1,2,2-Tetrachloroethane	11	U	4.7	27
n-Propylbenzene	2.9	U	2.7	20
4-Ethyltoluene	2.9	U	2.0	20
1,3,5-Trimethylbenzene	2.9	U	1.9	20
2-Chlorotoluene	8.3	U	3.2	21

CMS 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774VMP0301NA**

Lab Sample ID: 200-29580-5
Client Matrix: Air

Date Sampled: 08/31/2015 1120
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_012.d
Dilution:	20			Initial Weight/Volume:	20 mL
Analysis Date:	09/10/2015 1734			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1734			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	3.3	U	2.2	22
1,2,4-Trimethylbenzene	2.9	U	1.6	20
sec-Butylbenzene	3.3	U	2.3	22
4-Isopropyltoluene	3.3	U	2.2	22
1,3-Dichlorobenzene	3.6	U	2.4	24
1,4-Dichlorobenzene	3.6	U	2.3	24
Benzyl chloride	3.1	U	1.9	21
n-Butylbenzene	3.3	U	3.1	22
1,2-Dichlorobenzene	3.6	U	2.2	24
1,2,4-Trichlorobenzene	12	U	5.0	74
Hexachlorobutadiene	17	U	7.7	43
Naphthalene	8.4	U	3.1	52

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NC**

Lab Sample ID: 200-29580-6
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1825			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1825			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.55		0.056	0.50
Freon 22	0.57		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.13	J	0.060	0.50
n-Butane	0.99		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.27		0.045	0.20
Freon TF	0.13	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	14		0.69	5.0
Isopropyl alcohol	14		0.15	5.0
Carbon disulfide	0.22	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.16	J	0.12	0.50
tert-Butyl alcohol	0.48	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.19	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.4		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.094	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.17	J	0.010	0.20
Carbon tetrachloride	0.11	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.11	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.078	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.24	J	0.18	0.50
Toluene	0.94		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NC**

Lab Sample ID: 200-29580-6
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1825			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1825			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.6	J	0.020	0.20
m,p-Xylene	1.5		0.025	0.50
Xylene, o-	0.58		0.018	0.20
Xylene (total)	2.1		0.041	0.70
Styrene	0.15	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.13	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.11	J	0.027	0.20
4-Ethyltoluene	0.11	J	0.020	0.20
1,3,5-Trimethylbenzene	0.11	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.42		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.054	J	0.020	0.20
1,3-Dichlorobenzene	0.16	J	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.15	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7		0.28	2.5
Freon 22	2.0		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.27	J	0.12	1.0
n-Butane	2.3		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.5		0.25	1.1
Freon TF	0.98	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	33		1.6	12
Isopropyl alcohol	34		0.37	12
Carbon disulfide	0.70	J	0.093	1.6

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NC**

Lab Sample ID: 200-29580-6
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 1825
Prep Date: 09/10/2015 1825

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_013.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.56	J	0.42	1.7
tert-Butyl alcohol	1.4	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.68	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.0		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.46	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.57	J	0.034	0.69
Carbon tetrachloride	0.69	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.35	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.42	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.99	J	0.74	2.0
Toluene	3.5		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	6.8	J	0.087	0.87
m,p-Xylene	6.7		0.11	2.2
Xylene, o-	2.5		0.078	0.87
Xylene (total)	9.0		0.18	3.0
Styrene	0.62	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.64	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.52	J	0.13	0.98
4-Ethyltoluene	0.57	J	0.098	0.98
1,3,5-Trimethylbenzene	0.54	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NC**

Lab Sample ID: 200-29580-6
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1825			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1825			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.0		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.29	J	0.11	1.1
1,3-Dichlorobenzene	0.96	J	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.76	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NA**

Lab Sample ID: 200-29580-7
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 1915
Prep Date: 09/10/2015 1915

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_014.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.056	0.50
Freon 22	1.3		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.42	J	0.060	0.50
n-Butane	2.2		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.27		0.045	0.20
Freon TF	0.12	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	15		0.69	5.0
Isopropyl alcohol	17		0.15	5.0
Carbon disulfide	0.11	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.14	J	0.12	0.50
tert-Butyl alcohol	0.79	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.33		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.1		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.13	J	0.038	0.20
Tetrahydrofuran	0.20	J	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.12	J	0.010	0.20
Carbon tetrachloride	0.098	J	0.011	0.20
2,2,4-Trimethylpentane	0.046	J	0.023	0.20
Benzene	0.13	J M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.086	J	0.037	0.20
Trichloroethene	0.14	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	J	0.18	0.50
Toluene	1.3		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NA**

Lab Sample ID: 200-29580-7
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1915			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1915			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	2.3	J	0.020	0.20
m,p-Xylene	2.2		0.025	0.50
Xylene, o-	0.83		0.018	0.20
Xylene (total)	3.0		0.041	0.70
Styrene	0.21		0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.17	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.13	J	0.027	0.20
4-Ethyltoluene	0.17	J	0.020	0.20
1,3,5-Trimethylbenzene	0.15	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.53		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.061	J	0.020	0.20
1,3-Dichlorobenzene	0.20		0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.16	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8		0.28	2.5
Freon 22	4.6		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.87	J	0.12	1.0
n-Butane	5.2		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.5		0.25	1.1
Freon TF	0.89	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	35		1.6	12
Isopropyl alcohol	42		0.37	12
Carbon disulfide	0.34	J	0.093	1.6

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NA**

Lab Sample ID: 200-29580-7
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 1915
Prep Date: 09/10/2015 1915

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_014.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.48	J	0.42	1.7
tert-Butyl alcohol	2.4	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	1.2		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.2		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.62	J	0.19	0.98
Tetrahydrofuran	0.58	J	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.41	J	0.034	0.69
Carbon tetrachloride	0.62	J	0.069	1.3
2,2,4-Trimethylpentane	0.21	J	0.11	0.93
Benzene	0.41	J M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.35	J	0.15	0.82
Trichloroethene	0.76	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	J	0.74	2.0
Toluene	4.9		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	10	J	0.087	0.87
m,p-Xylene	9.6		0.11	2.2
Xylene, o-	3.6		0.078	0.87
Xylene (total)	13		0.18	3.0
Styrene	0.91		0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.82	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.65	J	0.13	0.98
4-Ethyltoluene	0.82	J	0.098	0.98
1,3,5-Trimethylbenzene	0.73	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

CLK 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0201NA**

Lab Sample ID: 200-29580-7
Client Matrix: Air

Date Sampled: 08/31/2015 1500
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 1915			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 1915			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.6		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	1.2		0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.85	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8
Client Matrix: Air

Date Sampled: 08/31/2015 1505
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 2005
Prep Date: 09/10/2015 2005

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_015.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.52		0.056	0.50
Freon 22	1.2		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.48	J	0.060	0.50
n-Butane	2.1		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.10	J	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.25		0.045	0.20
Freon TF	0.11	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	16		0.69	5.0
Isopropyl alcohol	16		0.15	5.0
Carbon disulfide	0.70		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.12	J	0.12	0.50
tert-Butyl alcohol	0.89	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.33		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.5		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.11	J	0.038	0.20
Tetrahydrofuran	0.28	J	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.098	J	0.010	0.20
Carbon tetrachloride	0.096	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.14	J	0.029	0.20
1,2-Dichloroethane	0.054	J	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.15	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	3.3	J	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.22	J	0.18	0.50
Toluene	1.3		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8
Client Matrix: Air

Date Sampled: 08/31/2015 1505
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2005			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2005			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.17	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.7		0.020	0.20
m,p-Xylene	1.8		0.025	0.50
Xylene, o-	0.71		0.018	0.20
Xylene (total)	2.5		0.041	0.70
Styrene	0.21		0.016	0.20
Bromoform	0.030	U ✓	0.025	0.20
Cumene	0.14	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.13	J	0.027	0.20
4-Ethyltoluene	0.16	J	0.020	0.20
1,3,5-Trimethylbenzene	0.13	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.47		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.061	J	0.020	0.20
1,3-Dichlorobenzene	0.17	J	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.14	J	0.030	0.50

CMM 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	4.2		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.98	J	0.12	1.0
n-Butane	5.1		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.27	J	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.83	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	38		1.6	12
Isopropyl alcohol	40		0.37	12
Carbon disulfide	2.2		0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8
Client Matrix: Air

Date Sampled: 08/31/2015 1505
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2005			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2005			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.43	J	0.42	1.7
tert-Butyl alcohol	2.7	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	1.2		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	4.4		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.54	J	0.19	0.98
Tetrahydrofuran	0.82	J	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.34	J	0.034	0.69
Carbon tetrachloride	0.60	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.46	J	0.093	0.64
1,2-Dichloroethane	0.22	J	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.81	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	12	J	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.92	J	0.74	2.0
Toluene	5.0		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.70	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	7.6		0.087	0.87
m,p-Xylene	7.8		0.11	2.2
Xylene, o-	3.1		0.078	0.87
Xylene (total)	11		0.18	3.0
Styrene	0.88		0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.67	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.64	J	0.13	0.98
4-Ethyltoluene	0.79	J	0.098	0.98
1,3,5-Trimethylbenzene	0.66	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

cmt 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 776VMP0201NA

Lab Sample ID: 200-29580-8
Client Matrix: Air

Date Sampled: 08/31/2015 1505
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_015.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2005			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2005			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.3		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.34	J	0.11	1.1
1,3-Dichlorobenzene	1.0	J	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.75	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0301NA**

Lab Sample ID: 200-29580-9
Client Matrix: Air

Date Sampled: 08/31/2015 1515
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.53		0.056	0.50
Freon 22	1.7		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.32	J	0.060	0.50
n-Butane	0.49	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.24		0.045	0.20
Freon TF	0.072	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	11		0.69	5.0
Isopropyl alcohol	12		0.15	5.0
Carbon disulfide	0.30	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.16	J	0.12	0.50
tert-Butyl alcohol	0.23	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.11	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.2		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.096	J M	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.033	J	0.030	0.20
Cyclohexane	0.23	M	0.010	0.20
Carbon tetrachloride	0.097	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.088	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.95		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.27	J	0.18	0.50
Toluene	0.26		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0301NA**

Lab Sample ID: 200-29580-9
Client Matrix: Air

Date Sampled: 08/31/2015 1515
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.066	J	0.020	0.20
m,p-Xylene	0.16	J	0.025	0.50
Xylene, o-	0.060	J	0.018	0.20
Xylene (total)	0.22	J	0.041	0.70
Styrene	0.082	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.047	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.039	J	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.058	J	0.030	0.50

CLK 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	6.0		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.67	J	0.12	1.0
n-Butane	1.2	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.55	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	27		1.6	12
Isopropyl alcohol	29		0.37	12
Carbon disulfide	0.93	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0301NA**

Lab Sample ID: 200-29580-9
Client Matrix: Air

Date Sampled: 08/31/2015 1515
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.57	J	0.42	1.7
tert-Butyl alcohol	0.69	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.37	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.6		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.47	J M	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.18	J	0.16	1.1
Cyclohexane	0.81	M	0.034	0.69
Carbon tetrachloride	0.61	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.28	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	5.1		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	1.1	J	0.74	2.0
Toluene	1.0		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.29	J	0.087	0.87
m,p-Xylene	0.71	J	0.11	2.2
Xylene, o-	0.26	J	0.078	0.87
Xylene (total)	0.96	J	0.18	3.0
Styrene	0.35	J	0.068	0.85
Bromoform	0.31	U ϕ	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

ADH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776VMP0301NA**

Lab Sample ID: 200-29580-9
Client Matrix: Air

Date Sampled: 08/31/2015 1515
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2054			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.23	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.22	J	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.31	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774IA1NA**

Lab Sample ID: 200-29580-10
Client Matrix: Air

Date Sampled: 08/31/2015 0810
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.50		0.060	0.50
n-Butane	0.45	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.44		0.045	0.20
Freon TF	0.064	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.2		0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.24	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.078	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.32	J	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.038	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.069	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.10	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.22		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774IA1NA**

Lab Sample ID: 200-29580-10
Client Matrix: Air

Date Sampled: 08/31/2015 0810
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.044	J	0.020	0.20
m,p-Xylene	0.12	J	0.025	0.50
Xylene, o-	0.042	J	0.018	0.20
Xylene (total)	0.16	J	0.041	0.70
Styrene	0.030	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.026	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.092	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.0		0.12	1.0
n-Butane	1.1	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.5		0.25	1.1
Freon TF	0.49	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	12		1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

CWH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774IA1NA**

Lab Sample ID: 200-29580-10
Client Matrix: Air

Date Sampled: 08/31/2015 0810
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.84	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.28	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.93	J	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.18	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.43	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.32	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.85		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.19	J	0.087	0.87
m,p-Xylene	0.50	J	0.11	2.2
Xylene, o-	0.18	J	0.078	0.87
Xylene (total)	0.70	J	0.18	3.0
Styrene	0.13	J	0.068	0.85
Bromoform	0.31	U ϕ	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

CLK 9/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774IA1NA**

Lab Sample ID: 200-29580-10
Client Matrix: Air

Date Sampled: 08/31/2015 0810
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_15.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/04/2015 2313			Final Weight/Volume:	200 mL
Prep Date:	09/04/2015 2313			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.13	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.48	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 774776OA1NA

Lab Sample ID: 200-29580-11
Client Matrix: Air

Date Sampled: 09/01/2015 0805
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0002
Prep Date: 09/05/2015 0002

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_16.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.82		0.060	0.50
n-Butane	0.37	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.23		0.045	0.20
Freon TF	0.057	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.6		0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.22	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.69		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.069	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.10	J M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.19	J	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.23	J	0.18	0.50
Toluene	0.19	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

dlw 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774776OA1NA**

Lab Sample ID: 200-29580-11
Client Matrix: Air

Date Sampled: 09/01/2015 0805
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_16.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0002			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0002			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.049	J	0.020	0.20
m,p-Xylene	0.17	J	0.025	0.50
Xylene, o-	0.066	J	0.018	0.20
Xylene (total)	0.24	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U ϕ	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.028	J	0.027	0.20
4-Ethyltoluene	0.034	J	0.020	0.20
1,3,5-Trimethylbenzene	0.030	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.13	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.070	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.96	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.7		0.12	1.0
n-Butane	0.88	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.3		0.25	1.1
Freon TF	0.43	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	13		1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

ELA 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 774776OA1NA

Lab Sample ID: 200-29580-11
Client Matrix: Air

Date Sampled: 09/01/2015 0805
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0002
Prep Date: 09/05/2015 0002

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_16.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.75	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.0		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.43	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.33	J M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.69	J	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.95	J	0.74	2.0
Toluene	0.73	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.21	J	0.087	0.87
m,p-Xylene	0.72	J	0.11	2.2
Xylene, o-	0.28	J	0.078	0.87
Xylene (total)	1.0	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U ϕ	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.14	J	0.13	0.98
4-Ethyltoluene	0.17	J	0.098	0.98
1,3,5-Trimethylbenzene	0.15	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

CWK 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **774776OA1NA**

Lab Sample ID: 200-29580-11
Client Matrix: Air

Date Sampled: 09/01/2015 0805
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_16.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0002			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0002			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.64	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.37	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 776IA1NA

Lab Sample ID: 200-29580-12
Client Matrix: Air

Date Sampled: 08/31/2015 0820
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0051
Prep Date: 09/05/2015 0051

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_17.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.056	0.50
Freon 22	1.2		0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.54		0.060	0.50
n-Butane	0.63		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.23		0.045	0.20
Freon TF	0.055	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	13		0.69	5.0
Isopropyl alcohol	11		0.15	5.0
Carbon disulfide	0.22	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.27	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.095	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.3		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.044	J	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.081	J	0.011	0.20
2,2,4-Trimethylpentane	0.056	J	0.023	0.20
Benzene	0.12	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.097	J	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.38		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776IA1NA**

Lab Sample ID: 200-29580-12
Client Matrix: Air

Date Sampled: 08/31/2015 0820
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_17.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0051			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0051			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.086	J	0.020	0.20
m,p-Xylene	0.20	J	0.025	0.50
Xylene, o-	0.073	J	0.018	0.20
Xylene (total)	0.27	J	0.041	0.70
Styrene	0.078	J	0.016	0.20
Bromoform	0.030	U ϕ	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.020	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.059	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.023	J	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.20	J	0.030	0.50

CLD 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	4.4		0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.1		0.12	1.0
n-Butane	1.5		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.3		0.25	1.1
Freon TF	0.42	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	32		1.6	12
Isopropyl alcohol	28		0.37	12
Carbon disulfide	0.69	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776IA1NA**

Lab Sample ID: 200-29580-12
Client Matrix: Air

Date Sampled: 08/31/2015 0820
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_17.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0051			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0051			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.95	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.33	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.9		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.22	J	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.51	J	0.069	1.3
2,2,4-Trimethylpentane	0.26	J	0.11	0.93
Benzene	0.37	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.52	J	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	1.4		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.37	J	0.087	0.87
m,p-Xylene	0.89	J	0.11	2.2
Xylene, o-	0.32	J	0.078	0.87
Xylene (total)	1.2	J	0.18	3.0
Styrene	0.33	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.097	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **776IA1NA**

Lab Sample ID: 200-29580-12
Client Matrix: Air

Date Sampled: 08/31/2015 0820
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_17.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0051			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0051			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.29	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.13	J	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	1.1	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0202PA**

Lab Sample ID: 200-29580-13
Client Matrix: Air

Date Sampled: 09/01/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 **2145**
Prep Date: 09/10/2015 **2145**

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_017.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50		0.056	0.50
Freon 22	0.23	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.29		0.045	0.20
Freon TF	0.15	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.6	J	0.69	5.0
Isopropyl alcohol	0.26	J	0.15	5.0
Carbon disulfide	0.47	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U M	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.31	J	0.092	0.50
cis-1,2-Dichloroethene	0.089	J	0.030	0.20
1,2-Dichloroethene, Total	0.089	J	0.053	0.40
Chloroform	6.4		0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.86		0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.090	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	J	0.023	0.20
Benzene	0.086	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	25		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.13	J	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.042	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.45		0.030	0.20

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0202PA**

Lab Sample ID: 200-29580-13
Client Matrix: Air

Date Sampled: 09/01/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2145			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2145			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

CMK 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.28	2.5
Freon 22	0.80	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.6		0.25	1.1
Freon TF	1.2	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	6.1	J	1.6	12
Isopropyl alcohol	0.64	J	0.37	12
Carbon disulfide	1.5	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0202PA**

Lab Sample ID: 200-29580-13
Client Matrix: Air

Date Sampled: 09/01/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2145			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2145			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U M	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.93	J	0.27	1.5
cis-1,2-Dichloroethene	0.35	J	0.12	0.79
1,2-Dichloroethene, Total	0.35	J	0.21	1.6
Chloroform	31		0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	4.7		0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.57	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	J	0.11	0.93
Benzene	0.27	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	130		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.86	J	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.16	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	3.0		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0202PA**

Lab Sample ID: 200-29580-13
Client Matrix: Air

Date Sampled: 09/01/2015 1115
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_017.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2145			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2145			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0302PA**

Lab Sample ID: 200-29580-14
Client Matrix: Air

Date Sampled: 09/01/2015 1105
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 2236
Prep Date: 09/10/2015 2236

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_018.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.53		0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	14		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.24		0.045	0.20
Freon TF	0.083	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	21		0.69	5.0
Isopropyl alcohol	0.50	J	0.15	5.0
Carbon disulfide	0.66		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.21	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	6.7		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	8.6		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.089	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.87		0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	5.3		0.037	0.20
Trichloroethene	3.3		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.47	J	0.18	0.50
Toluene	0.69		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.17	J	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0302PA**

Lab Sample ID: 200-29580-14
Client Matrix: Air

Date Sampled: 09/01/2015 1105
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2236			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2236			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.46	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.16	J	0.020	0.20
m,p-Xylene	0.18	J	0.025	0.50
Xylene, o-	0.079	J	0.018	0.20
Xylene (total)	0.26	J	0.041	0.70
Styrene	0.039	J	0.016	0.20
Bromoform	0.030	U ϕ	0.025	0.20
Cumene	0.021	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.036	J	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.048	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.043	J	0.030	0.50

cwt 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	0.94	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	33		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.63	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	50		1.6	12
Isopropyl alcohol	1.2	J	0.37	12
Carbon disulfide	2.1		0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0302PA**

Lab Sample ID: 200-29580-14
Client Matrix: Air

Date Sampled: 09/01/2015 1105
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2236			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2236			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.65	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	24		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	25		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.56	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	2.8		0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	22		0.15	0.82
Trichloroethene	18		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	1.9	J	0.74	2.0
Toluene	2.6		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	1.1	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	1.9	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.71	J	0.087	0.87
m,p-Xylene	0.77	J	0.11	2.2
Xylene, o-	0.34	J	0.078	0.87
Xylene (total)	1.1	J	0.18	3.0
Styrene	0.16	J	0.068	0.85
Bromoform	0.31	U ϕ	0.26	2.1
Cumene	0.11	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.18	J	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

cwt 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0302PA**

Lab Sample ID: 200-29580-14
Client Matrix: Air

Date Sampled: 09/01/2015 1105
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_018.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2236			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2236			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.23	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.23	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0102PA**

Lab Sample ID: 200-29580-15
Client Matrix: Air

Date Sampled: 09/01/2015 1110
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2326			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2326			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.81		0.056	0.50
Freon 22	0.40	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.15	J	0.060	0.50
n-Butane	1.8		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.38		0.045	0.20
Freon TF	0.13	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	6.4		0.69	5.0
Isopropyl alcohol	1.8	J	0.15	5.0
Carbon disulfide	0.22	J M	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.28	J M	0.12	0.50
tert-Butyl alcohol	1.3	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.79		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.23		0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.12	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.098	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	30		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.21	J	0.18	0.50
Toluene	0.66		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.95		0.030	0.20

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0102PA**

Lab Sample ID: 200-29580-15
Client Matrix: Air

Date Sampled: 09/01/2015 1110
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 2326
Prep Date: 09/10/2015 2326

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_019.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.0		0.020	0.20
m,p-Xylene	1.2		0.025	0.50
Xylene, o-	0.47		0.018	0.20
Xylene (total)	1.7		0.041	0.70
Styrene	0.11	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.092	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.094	J	0.027	0.20
4-Ethyltoluene	0.12	J	0.020	0.20
1,3,5-Trimethylbenzene	0.10	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.35		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.050	J	0.020	0.20
1,3-Dichlorobenzene	0.30		0.020	0.20
1,4-Dichlorobenzene	0.027	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.19	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.0		0.28	2.5
Freon 22	1.4	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.31	J	0.12	1.0
n-Butane	4.3		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	2.1		0.25	1.1
Freon TF	0.99	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	15		1.6	12
Isopropyl alcohol	4.5	J	0.37	12
Carbon disulfide	0.69	J	0.093	1.6

10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0102PA**

Lab Sample ID: 200-29580-15
Client Matrix: Air

Date Sampled: 09/01/2015 1110
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/10/2015 2326
Prep Date: 09/10/2015 2326

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_019.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.97	J M	0.42	1.7
tert-Butyl alcohol	4.1	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.3		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	1.1		0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.78	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.31	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	160		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.88	J	0.74	2.0
Toluene	2.5		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	6.4		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	4.5		0.087	0.87
m,p-Xylene	5.0		0.11	2.2
Xylene, o-	2.0		0.078	0.87
Xylene (total)	7.3		0.18	3.0
Styrene	0.45	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.45	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.46	J	0.13	0.98
4-Ethyltoluene	0.59	J	0.098	0.98
1,3,5-Trimethylbenzene	0.50	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Cust 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786VMP0102PA**

Lab Sample ID: 200-29580-15
Client Matrix: Air

Date Sampled: 09/01/2015 1110
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_019.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/10/2015 2326			Final Weight/Volume:	200 mL
Prep Date:	09/10/2015 2326			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	1.7		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.27	J	0.11	1.1
1,3-Dichlorobenzene	1.8		0.12	1.2
1,4-Dichlorobenzene	0.16	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.99	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785IA15**

Lab Sample ID: 200-29580-16
Client Matrix: Air

Date Sampled: 09/01/2015 0825
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0141
Prep Date: 09/05/2015 0141

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_18.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.68		0.056	0.50
Freon 22	0.40	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.82		0.052	0.20
Chloromethane	0.47	J	0.060	0.50
n-Butane	3.1		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.21		0.045	0.20
Freon TF	0.061	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	3.9	J	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.30	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.40	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.28		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.42	J	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.12	J M	0.010	0.20
Carbon tetrachloride	0.071	J	0.011	0.20
2,2,4-Trimethylpentane	0.052	J	0.023	0.20
Benzene	0.12	J M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.11	J M	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.57		0.18	0.50
Toluene	0.23		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

CLH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785IA15**

Lab Sample ID: 200-29580-16
Client Matrix: Air

Date Sampled: 09/01/2015 0825
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_18.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0141			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0141			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.12	J	0.020	0.20
m,p-Xylene	0.52		0.025	0.50
Xylene, o-	0.29		0.018	0.20
Xylene (total)	0.81		0.041	0.70
Styrene	0.016	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.076	J	0.027	0.20
4-Ethyltoluene	0.12	J	0.020	0.20
1,3,5-Trimethylbenzene	0.11	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.48		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.042	J	0.030	0.50

CWA 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.4		0.28	2.5
Freon 22	1.4	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	5.7		0.36	1.4
Chloromethane	0.97	J	0.12	1.0
n-Butane	7.4		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.47	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	9.3	J	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.92	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785IA15**

Lab Sample ID: 200-29580-16
Client Matrix: Air

Date Sampled: 09/01/2015 0825
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0141
Prep Date: 09/05/2015 0141

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_18.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	1.4	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.99		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.2	J	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.41	J M	0.034	0.69
Carbon tetrachloride	0.45	J	0.069	1.3
2,2,4-Trimethylpentane	0.24	J	0.11	0.93
Benzene	0.37	J M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.43	J M	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	2.3		0.74	2.0
Toluene	0.89		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.52	J	0.087	0.87
m,p-Xylene	2.2		0.11	2.2
Xylene, o-	1.2		0.078	0.87
Xylene (total)	3.5		0.18	3.0
Styrene	0.069	J	0.068	0.85
Bromoform	0.31	U Q	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.37	J	0.13	0.98
4-Ethyltoluene	0.61	J	0.098	0.98
1,3,5-Trimethylbenzene	0.54	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

CLH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785IA15

Lab Sample ID: 200-29580-16
Client Matrix: Air

Date Sampled: 09/01/2015 0825
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_18.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0141			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0141			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.22	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 786IA14

Lab Sample ID: 200-29580-17
Client Matrix: Air

Date Sampled: 09/01/2015 0830
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0230			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0230			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.48	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.49	J	0.060	0.50
n-Butane	0.78		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.22		0.045	0.20
Freon TF	0.059	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.3		0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.13	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.23	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.23		0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.53		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.062	J M	0.010	0.20
Carbon tetrachloride	0.078	J	0.011	0.20
2,2,4-Trimethylpentane	0.095	J M	0.023	0.20
Benzene	0.38	M	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.093	J M	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.18	J	0.18	0.50
Toluene	0.42		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 786IA14

Lab Sample ID: 200-29580-17
Client Matrix: Air

Date Sampled: 09/01/2015 0830
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0230
Prep Date: 09/05/2015 0230

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_19.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.069	J	0.020	0.20
m,p-Xylene	0.26	J	0.025	0.50
Xylene, o-	0.10	J	0.018	0.20
Xylene (total)	0.36	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U ϕ	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.032	J	0.020	0.20
1,3,5-Trimethylbenzene	0.040	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.13	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.040	J	0.030	0.50

CWT 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	0.94	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.0	J	0.12	1.0
n-Butane	1.9		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.45	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	13		1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.40	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 786IA14

Lab Sample ID: 200-29580-17
Client Matrix: Air

Date Sampled: 09/01/2015 0830
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0230
Prep Date: 09/05/2015 0230

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_19.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.79	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.80		0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.6		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.21	J M	0.034	0.69
Carbon tetrachloride	0.49	J	0.069	1.3
2,2,4-Trimethylpentane	0.44	J M	0.11	0.93
Benzene	1.2	M	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.38	J M	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.75	J	0.74	2.0
Toluene	1.6		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.30	J	0.087	0.87
m,p-Xylene	1.1	J	0.11	2.2
Xylene, o-	0.45	J	0.078	0.87
Xylene (total)	1.6	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U ϕ	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.16	J	0.098	0.98
1,3,5-Trimethylbenzene	0.19	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

dlt 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **786IA14**

Lab Sample ID: 200-29580-17
Client Matrix: Air

Date Sampled: 09/01/2015 0830
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_19.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0230			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0230			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.63	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.21	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785786OA11

Lab Sample ID: 200-29580-18
Client Matrix: Air

Date Sampled: 09/01/2015 0815
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0319
Prep Date: 09/05/2015 0319

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_20.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J	0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.45	J	0.060	0.50
n-Butane	0.32	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.21		0.045	0.20
Freon TF	0.064	J M	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	4.9	J	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.26	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.40	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.59		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.072	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.095	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.16	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

dlt 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785786OA11

Lab Sample ID: 200-29580-18
Client Matrix: Air

Date Sampled: 09/01/2015 0815
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0319			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0319			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.023	J	0.020	0.20
m,p-Xylene	0.076	J	0.025	0.50
Xylene, o-	0.038	J M	0.018	0.20
Xylene (total)	0.11	J	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.018	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

CLK 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.96	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.93	J	0.12	1.0
n-Butane	0.75	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.49	J M	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	12	J	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.80	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785786OA11

Lab Sample ID: 200-29580-18
Client Matrix: Air

Date Sampled: 09/01/2015 0815
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0319
Prep Date: 09/05/2015 0319

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_20.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	1.4	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.7		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.45	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.30	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.62	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.099	J	0.087	0.87
m,p-Xylene	0.33	J	0.11	2.2
Xylene, o-	0.16	J M	0.078	0.87
Xylene (total)	0.50	J	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U ϕ	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

dlkt 10/29/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785786OA11**

Lab Sample ID: 200-29580-18
Client Matrix: Air

Date Sampled: 09/01/2015 0815
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_20.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0319			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0319			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.091	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0202PA**

Lab Sample ID: 200-29580-19
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/11/2015 0015
Prep Date: 09/11/2015 0015

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_020.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.056	0.50
Freon 22	0.27	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	2.0		0.060	0.50
n-Butane	0.43	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.24		0.045	0.20
Freon TF	0.089	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.9		0.69	5.0
Isopropyl alcohol	1.7	J	0.15	5.0
Carbon disulfide	1.5	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	1.1	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.064	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.2		0.092	0.50
cis-1,2-Dichloroethene	0.040	J	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.058	J	0.038	0.20
Tetrahydrofuran	7.3		0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.091	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.080	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	2.9		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.23	J	0.18	0.50
Toluene	0.57		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0202PA**

Lab Sample ID: 200-29580-19
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0015			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0015			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.19	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	1.3		0.020	0.20
m,p-Xylene	1.5		0.025	0.50
Xylene, o-	0.66		0.018	0.20
Xylene (total)	2.2		0.041	0.70
Styrene	0.12	J	0.016	0.20
Bromoform	0.030	U Ø	0.025	0.20
Cumene	0.12	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.16	J	0.027	0.20
4-Ethyltoluene	0.20		0.020	0.20
1,3,5-Trimethylbenzene	0.22		0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.79		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.082	J	0.020	0.20
1,3-Dichlorobenzene	0.36		0.020	0.20
1,4-Dichlorobenzene	0.035	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.10	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7		0.28	2.5
Freon 22	0.95	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	4.2		0.12	1.0
n-Butane	1.0	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.4		0.25	1.1
Freon TF	0.68	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	14		1.6	12
Isopropyl alcohol	4.2	J	0.37	12
Carbon disulfide	4.8	J	0.093	1.6

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0202PA**

Lab Sample ID: 200-29580-19
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/11/2015 0015
Prep Date: 09/11/2015 0015

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_020.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	3.3	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.23	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.6		0.27	1.5
cis-1,2-Dichloroethene	0.16	J	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.28	J	0.19	0.98
Tetrahydrofuran	21		0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.57	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.25	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	15		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.96	J	0.74	2.0
Toluene	2.1		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.77	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	5.8		0.087	0.87
m,p-Xylene	6.5		0.11	2.2
Xylene, o-	2.9		0.078	0.87
Xylene (total)	9.4		0.18	3.0
Styrene	0.52	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.61	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.78	J	0.13	0.98
4-Ethyltoluene	0.98		0.098	0.98
1,3,5-Trimethylbenzene	1.1		0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0202PA**

Lab Sample ID: 200-29580-19
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_020.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0015			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0015			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	3.9		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.45	J	0.11	1.1
1,3-Dichlorobenzene	2.2		0.12	1.2
1,4-Dichlorobenzene	0.21	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.54	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0501PA**

Lab Sample ID: 200-29580-20
Client Matrix: Air

Date Sampled: 09/01/2015 1600
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 5.0
Analysis Date: 09/11/2015 0104
Prep Date: 09/11/2015 0104

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_021.d
Initial Weight/Volume: 40 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.59	J D	0.28	2.5
Freon 22	1.0	U	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	1.0	U	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.28	J D M	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	33	D	3.5	25
Isopropyl alcohol	2.5	U	0.75	25
Carbon disulfide	2.2	J D	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.0	U	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.15	U	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	1.0	U	0.46	2.5
cis-1,2-Dichloroethene	0.40	U	0.15	1.0
1,2-Dichloroethene, Total	0.40	U	0.27	2.0
Chloroform	0.40	U M	0.19	1.0
Tetrahydrofuran	180	D	0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.15	J D	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	2.7	D	0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	27	D	0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.0	U	0.90	2.5
Toluene	0.70	J D	0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	0.15	U	0.15	1.0

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0501PA**

Lab Sample ID: 200-29580-20
Client Matrix: Air

Date Sampled: 09/01/2015 1600
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 5.0
Analysis Date: 09/11/2015 0104
Prep Date: 09/11/2015 0104

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_021.d
Initial Weight/Volume: 40 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	1.5	D	0.10	1.0
m,p-Xylene	4.7	D	0.13	2.5
Xylene, o-	1.9	D	0.090	1.0
Xylene (total)	6.6		0.21	3.5
Styrene	5.1	D	0.080	1.0
Bromoform	0.15	U Ø	0.13	1.0
Cumene	0.24	J D	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.31	J D	0.14	1.0
4-Ethyltoluene	0.53	J D	0.10	1.0
1,3,5-Trimethylbenzene	0.48	J D	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	1.9	D	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.15	U	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U M	0.15	2.5

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.9	J D	1.4	12
Freon 22	3.5	U	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	2.4	U	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	1.5	J D M	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	77	D	8.2	59
Isopropyl alcohol	6.1	U	1.8	61
Carbon disulfide	6.8	J D	0.47	7.8

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0501PA**

Lab Sample ID: 200-29580-20
Client Matrix: Air

Date Sampled: 09/01/2015 1600
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 5.0
Analysis Date: 09/11/2015 0104
Prep Date: 09/11/2015 0104

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_021.d
Initial Weight/Volume: 40 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.5	U	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	0.53	U	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	2.9	U	1.4	7.4
cis-1,2-Dichloroethene	1.6	U	0.59	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	7.9
Chloroform	2.0	U M	0.93	4.9
Tetrahydrofuran	540	D	2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.92	J D	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	8.6	D	0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	150	D	0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	4.1	U	3.7	10
Toluene	2.6	J D	0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	1.0	U	1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	6.7	D	0.43	4.3
m,p-Xylene	21	D	0.54	11
Xylene, o-	8.1	D	0.39	4.3
Xylene (total)	29		0.89	15
Styrene	22	D	0.34	4.3
Bromoform	1.6	U Q	1.3	10
Cumene	1.2	J D	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	1.5	J D	0.66	4.9
4-Ethyltoluene	2.6	J D	0.49	4.9
1,3,5-Trimethylbenzene	2.4	J D	0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0501PA**

Lab Sample ID: 200-29580-20
Client Matrix: Air

Date Sampled: 09/01/2015 1600
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_021.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0104			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0104			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	9.3	D	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	0.82	U	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U M	0.79	13

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0401PA**

Lab Sample ID: 200-29580-21
Client Matrix: Air

Date Sampled: 09/01/2015 1545
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 5.0
Analysis Date: 09/11/2015 0759
Prep Date: 09/11/2015 0759

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_024.d
Initial Weight/Volume: 40 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.62	J D	0.28	2.5
Freon 22	1.0	U	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	1.0	U	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.27	J D M	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	51	D	3.5	25
Isopropyl alcohol	2.5	U	0.75	25
Carbon disulfide	6.6	D	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.0	U	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.15	U	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	19	D	0.46	2.5
cis-1,2-Dichloroethene	1.3	D	0.15	1.0
1,2-Dichloroethene, Total	1.3	J	0.27	2.0
Chloroform	0.34	J D M	0.19	1.0
Tetrahydrofuran	120	D	0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.085	J D	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	0.23	J D M	0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	6.1	D	0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.0	U	0.90	2.5
Toluene	1.8	D	0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	0.15	U	0.15	1.0

CWT 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785VMP0401PA

Lab Sample ID: 200-29580-21
Client Matrix: Air

Date Sampled: 09/01/2015 1545
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 5.0
Analysis Date: 09/11/2015 0759
Prep Date: 09/11/2015 0759

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_024.d
Initial Weight/Volume: 40 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	1.0	D	0.10	1.0
m,p-Xylene	3.7	D	0.13	2.5
Xylene, o-	1.2	D	0.090	1.0
Xylene (total)	4.9		0.21	3.5
Styrene	0.33	J D	0.080	1.0
Bromoform	0.15	U D	0.13	1.0
Cumene	0.12	J D	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.52	J D	0.14	1.0
4-Ethyltoluene	0.84	J D	0.10	1.0
1,3,5-Trimethylbenzene	0.63	J D	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	2.2	D	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.15	U	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U	0.15	2.5

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.1	J D	1.4	12
Freon 22	3.5	U	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	2.4	U	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	1.5	J D M	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	120	D	8.2	59
Isopropyl alcohol	6.1	U	1.8	61
Carbon disulfide	21	D	0.47	7.8

CLH 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0401PA**

Lab Sample ID: 200-29580-21
Client Matrix: Air

Date Sampled: 09/01/2015 1545
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 5.0
Analysis Date: 09/11/2015 0759
Prep Date: 09/11/2015 0759

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_024.d
Initial Weight/Volume: 40 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.5	U	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	0.53	U	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	55	D	1.4	7.4
cis-1,2-Dichloroethene	5.1	D	0.59	4.0
1,2-Dichloroethene, Total	5.2	J	1.1	7.9
Chloroform	1.7	J D M	0.93	4.9
Tetrahydrofuran	360	D	2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.53	J D	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	0.75	J D M	0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	33	D	0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	4.1	U	3.7	10
Toluene	6.7	D	0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	1.0	U	1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	4.5	D	0.43	4.3
m,p-Xylene	16	D	0.54	11
Xylene, o-	5.3	D	0.39	4.3
Xylene (total)	21		0.89	15
Styrene	1.4	J D	0.34	4.3
Bromoform	1.6	U Q	1.3	10
Cumene	0.57	J D	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	2.6	J D	0.66	4.9
4-Ethyltoluene	4.2	J D	0.49	4.9
1,3,5-Trimethylbenzene	3.1	J D	0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

CWK 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **785VMP0401PA**

Lab Sample ID: 200-29580-21
Client Matrix: Air

Date Sampled: 09/01/2015 1545
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_024 d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	09/11/2015 0759			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0759			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	11	D	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	0.82	U	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U	0.79	13

dwt 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785VMP0202PC

Lab Sample ID: 200-29580-22
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/11/2015 0242
Prep Date: 09/11/2015 0242

Analysis Batch: 200-93784
Prep Batch: N/A

Instrument ID: CHW.i
Lab File ID: 15679_023.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.49	J	0.056	0.50
Freon 22	0.24	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	1.4		0.060	0.50
n-Butane	0.36	J	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.22		0.045	0.20
Freon TF	0.078	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	5.1		0.69	5.0
Isopropyl alcohol	1.5	J	0.15	5.0
Carbon disulfide	8.2	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.12	J	0.12	0.50
tert-Butyl alcohol	0.69	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.089	J	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	1.0		0.092	0.50
cis-1,2-Dichloroethene	0.035	J M	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	6.1		0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.083	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.078	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.063	J	0.037	0.20
Trichloroethene	2.3		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.18	J	0.18	0.50
Toluene	0.49		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 786VMP0202PC

Lab Sample ID: 200-29580-22
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0242			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0242			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.98		0.020	0.20
m,p-Xylene	1.1		0.025	0.50
Xylene, o-	0.48		0.018	0.20
Xylene (total)	1.6		0.041	0.70
Styrene	0.092	J	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.10	J	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.11	J	0.027	0.20
4-Ethyltoluene	0.15	J	0.020	0.20
1,3,5-Trimethylbenzene	0.13	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.49		0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.15	J	0.020	0.20
1,3-Dichlorobenzene	0.22		0.020	0.20
1,4-Dichlorobenzene	0.020	J	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.17	J	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.4	J	0.28	2.5
Freon 22	0.84	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	2.9		0.12	1.0
n-Butane	0.86	J	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.60	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	12		1.6	12
Isopropyl alcohol	3.7	J	0.37	12
Carbon disulfide	26	J	0.093	1.6

CMT 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 786VMP0202PC

Lab Sample ID: 200-29580-22
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0242			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0242			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.41	J	0.42	1.7
tert-Butyl alcohol	2.1	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.31	J	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	3.1		0.27	1.5
cis-1,2-Dichloroethene	0.14	J M	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	18		0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.52	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.25	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.26	J	0.15	0.82
Trichloroethene	12		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.72	J	0.74	2.0
Toluene	1.9		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	4.2		0.087	0.87
m,p-Xylene	4.9		0.11	2.2
Xylene, o-	2.1		0.078	0.87
Xylene (total)	6.9		0.18	3.0
Styrene	0.39	J	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.50	J	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.53	J	0.13	0.98
4-Ethyltoluene	0.72	J	0.098	0.98
1,3,5-Trimethylbenzene	0.63	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

dlw 10/20/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: 785VMP0202PC

Lab Sample ID: 200-29580-22
Client Matrix: Air

Date Sampled: 09/01/2015 1540
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93784	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15679_023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/11/2015 0242			Final Weight/Volume:	200 mL
Prep Date:	09/11/2015 0242			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	2.4		0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.82	J	0.11	1.1
1,3-Dichlorobenzene	1.3		0.12	1.2
1,4-Dichlorobenzene	0.12	J	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.87	J	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **082815TB**

Lab Sample ID: 200-29580-23TB
Client Matrix: Air

Date Sampled: 08/28/2015 0745
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0408
Prep Date: 09/05/2015 0408

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_21.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.16	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.40
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **082815TB**

Lab Sample ID: 200-29580-23TB
Client Matrix: Air

Date Sampled: 08/28/2015 0745
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0408			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0408			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.70
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

CWA 10/20/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **082815TB**

Lab Sample ID: 200-29580-23TB
Client Matrix: Air

Date Sampled: 08/28/2015 0745
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method: TO-15
Prep Method: Summa Canister
Dilution: 1.0
Analysis Date: 09/05/2015 0408
Prep Date: 09/05/2015 0408

Analysis Batch: 200-93647
Prep Batch: N/A

Instrument ID: CHX.i
Lab File ID: 15629_21.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.56	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	1.6
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	3.0
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-29580-1

Client Sample ID: **082815TB**

Lab Sample ID: 200-29580-23TB
Client Matrix: Air

Date Sampled: 08/28/2015 0745
Date Received: 09/03/2015 1030

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-93647	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	15629_21.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/05/2015 0408			Final Weight/Volume:	200 mL
Prep Date:	09/05/2015 0408			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6