Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

Quantitation Report (Not Reviewed)

Data File : VU036062.D
Acq On : 09 Dec 2019 21:21
Operator : JC/MD
Sample : K6132-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW1

Quant Time: Dec 10 01:53:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	254911	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268891	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	117823	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	100202	4.41	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.20%			
7) Chloroethane-d5	1.93	69	120473	5.05	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 101.00%			
11) 1,1-Dichloroethene-d2	2.59	63	123458	2.97	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 59.40%#			
20) 2-Butanone-d5	4.70	46	219628	56.73	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 113.46%			
24) Chloroform-d	5.11	84	173842	4.71	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.20%			
26) 1,2-Dichloroethane-d4	5.75	65	91502	4.79	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.80%			
32) Benzene-d6	5.77	84	344239	5.06	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.20%			
36) 1,2-Dichloropropane-d6	6.73	67	102826	5.01	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 100.20%			
41) Toluene-d8	7.93	98	286295	4.56	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 91.20%			
43) trans-1,3-Dichloropropene-	8.21	79	40254	4.71	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 94.20%			
46) 2-Hexanone-d5	8.68	63	184006	59.45	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 118.90%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	96509	5.11	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 102.20%			
64) 1,2-Dichlorobenzene-d4	12.22	152	117139	5.17	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 103.40%			

Target Compounds						Qvalue
3) Chloromethane	1.55	50	2559	0.105	ug/L	91
5) Vinyl chloride	1.62	62	103195	4.043	ug/L #	1
8) Chloroethane	1.95	64	93408	4.810	ug/L #	76
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2769	0.112	ug/L #	72
12) 1,1-Dichloroethene	2.60	96	4033	0.182	ug/L #	1
13) Acetone	2.69	43	38716	7.878	ug/L	95
15) Methyl Acetate	3.00	43	1677	0.231	ug/L #	62
16) Methylene chloride	3.08	84	15235	0.592	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	2320	0.123	ug/L #	70
19) 1,1-Dichloroethane	3.92	63	255996	7.535	ug/L	98
21) 2-Butanone	4.78	43	91920	18.686	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	276031	13.894	ug/L	95
25) Chloroform	5.14	83	43546	1.150	ug/L	96
27) 1,2-Dichloroethane	5.84	62	3381	0.151	ug/L #	69
29) 1,1,1-Trichloroethane	5.36	97	113782	3.754	ug/L	98
31) Carbon tetrachloride	5.36	117	15646	0.571	ug/L	99
33) Benzene	5.82	78	126274	1.718	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

Quantitation Report (Not Reviewed)

Data File : VU036062.D
Acq On : 09 Dec 2019 21:21
Operator : JC/MD
Sample : K6132-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW1

Quant Time: Dec 10 01:53:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Trichloroethene	6.58	95	5045	0.259	ug/L		94
35) Methylcyclohexane	6.73	83	25554	0.976	ug/L	#	18
37) 1,2-Dichloropropane	6.73	63	11434	0.620	ug/L	#	87
38) Bromodichloromethane	7.15	83	6074	0.245	ug/L		87
39) cis-1,3-Dichloropropene	7.60	75	2735	0.109	ug/L	#	34
42) Toluene	8.00	91	44123	0.560	ug/L		99
51) Chlorobenzene	9.48	112	76554	1.394	ug/L		96
52) Ethylbenzene	9.60	91	14704	0.178	ug/L		94
53) m,p-Xylene	9.72	106	11380	0.346	ug/L		92
54) o-Xylene	10.13	106	7984	0.259	ug/L		86
55) Styrene	10.14	104	7371	0.139	ug/L		95
59) 1,2,3-Trichloropropane	11.83	75	15688	1.191	ug/L		98
62) 1,3-Dichlorobenzene	11.77	146	4549	0.118	ug/L		94
63) 1,4-Dichlorobenzene	11.86	146	16408	0.432	ug/L		93
65) 1,2-Dichlorobenzene	12.24	146	15312	0.402	ug/L		86
69) Naphthalene	14.11	128	3485	0.261	ug/L	#	95

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

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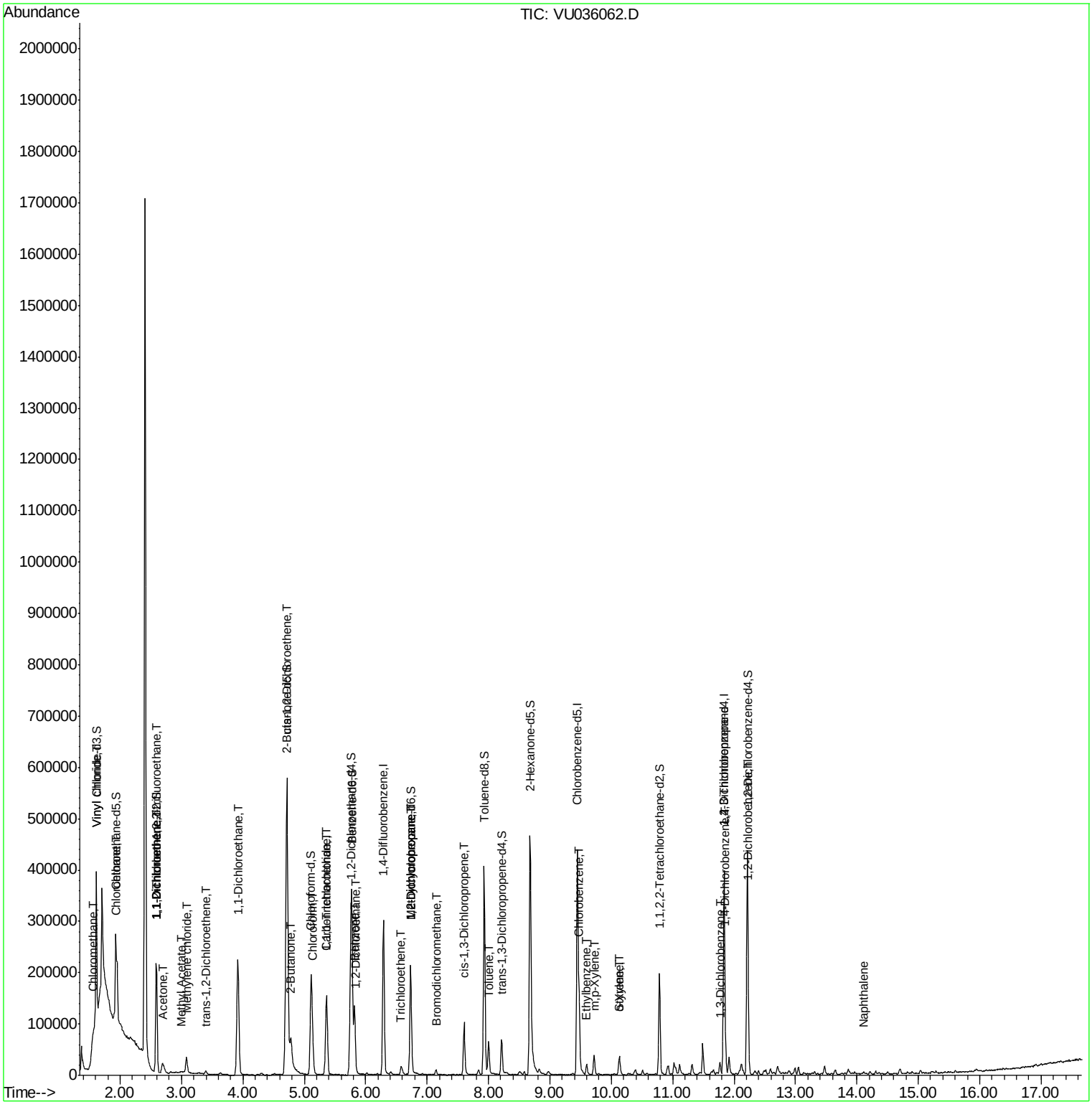
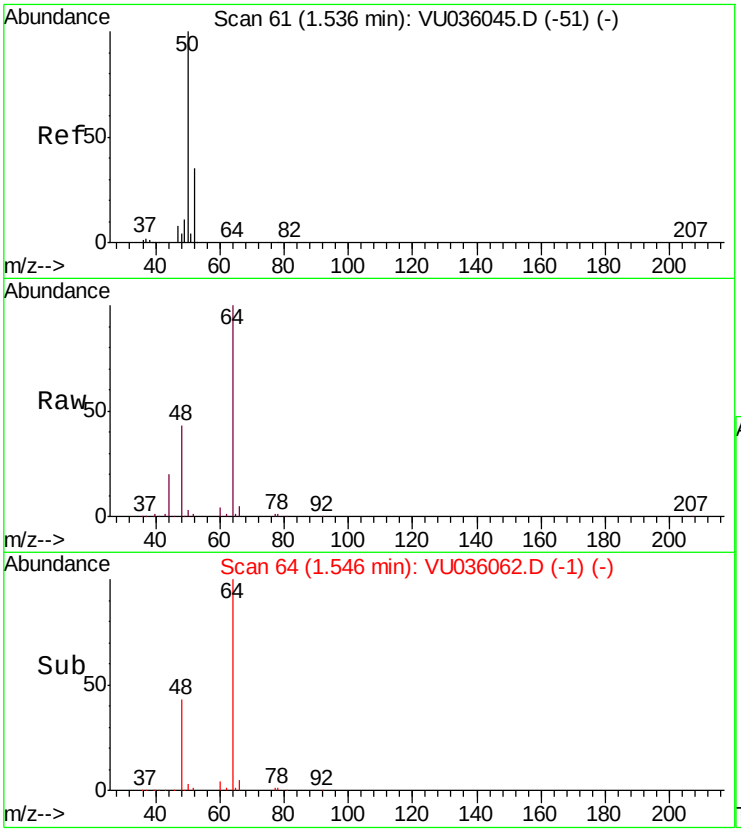
MSVOA_U
ClientSampleId :
BFQW1

Quant Time: Dec 10 01:53:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration



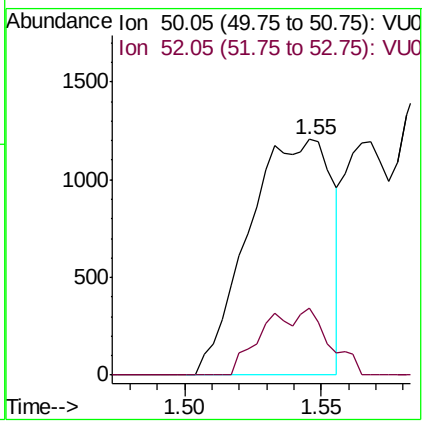


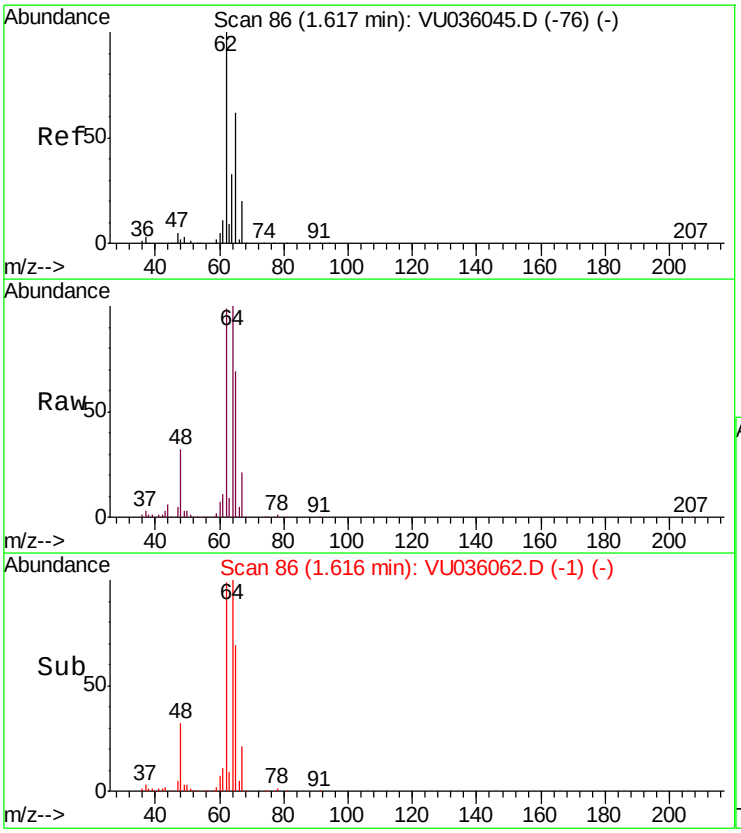
#3
Chloromethane
Concen: 0.105 ug/L
RT: 1.55 min Scan# 64
Delta R.T. 0.01 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 50 Resp: 2559

Ion	Ratio	Lower	Upper
50	100		
52	28.5	23.6	43.8

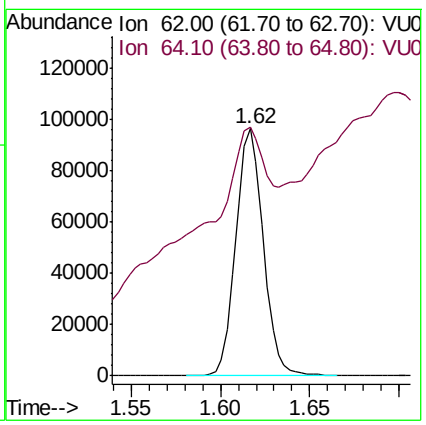


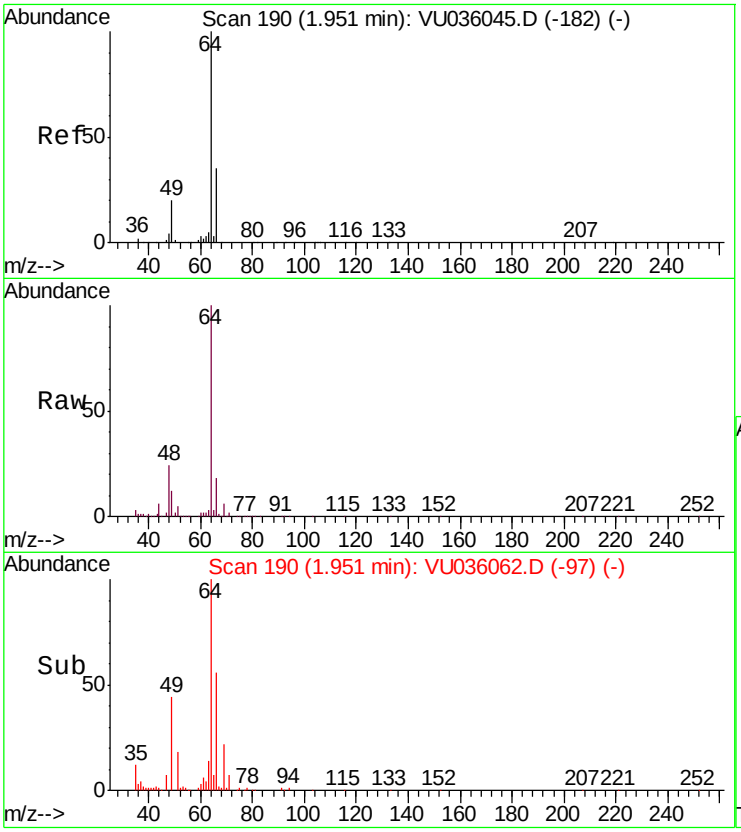


#5
Vinyl chloride
Concen: 4.043 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 62 Resp: 103195

Ion	Ratio	Lower	Upper
62	100		
64	100.7	24.3	45.1#



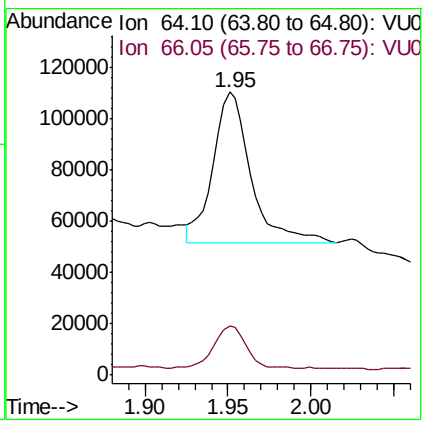


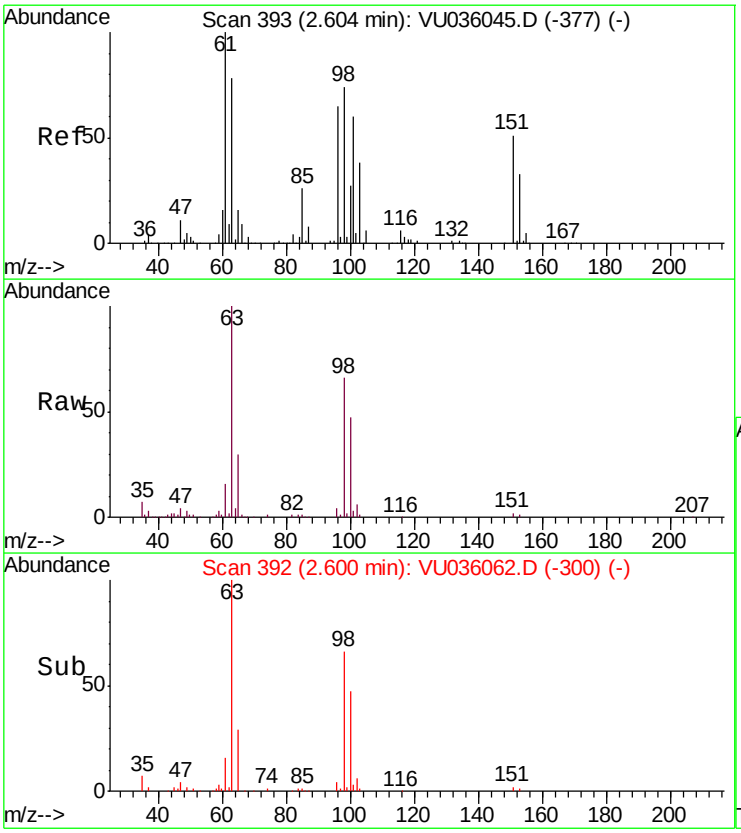
#8
Chloroethane
Concen: 4.810 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 64 Resp: 93408

Ion	Ratio	Lower	Upper
64	100		
66	17.5	21.5	39.9#

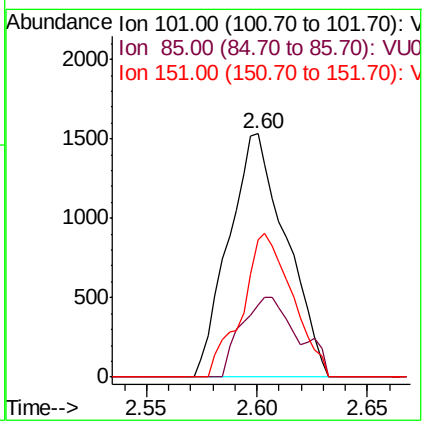


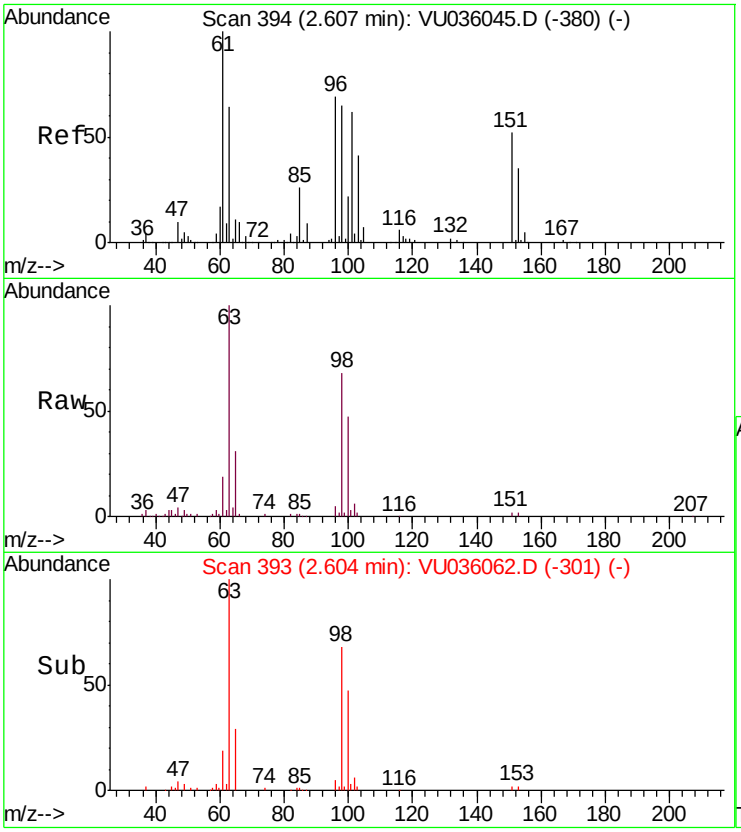


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.112 ug/L
RT: 2.60 min Scan# 392
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion:101 Resp: 2769

Ion	Ratio	Lower	Upper
101	100		
85	32.2	33.1	49.7#
151	51.3	66.5	99.7#



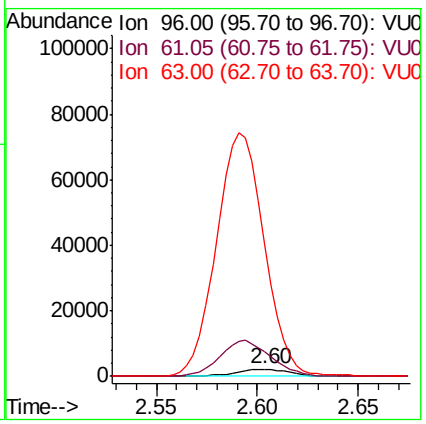


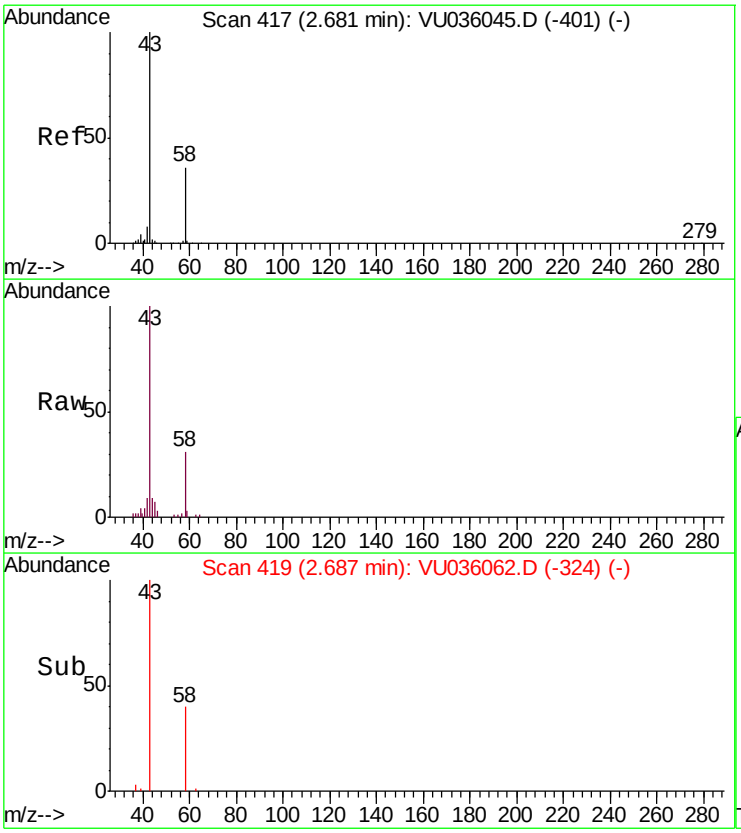
#12
1,1-Dichloroethene
Concen: 0.182 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 96 Resp: 4033

Ion	Ratio	Lower	Upper
96	100		
61	345.1	104.3	193.7#
63	1833.3	65.6	121.8#

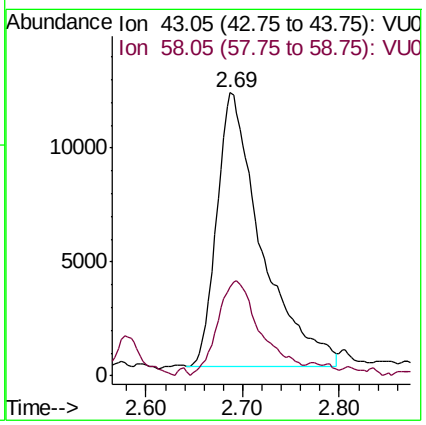


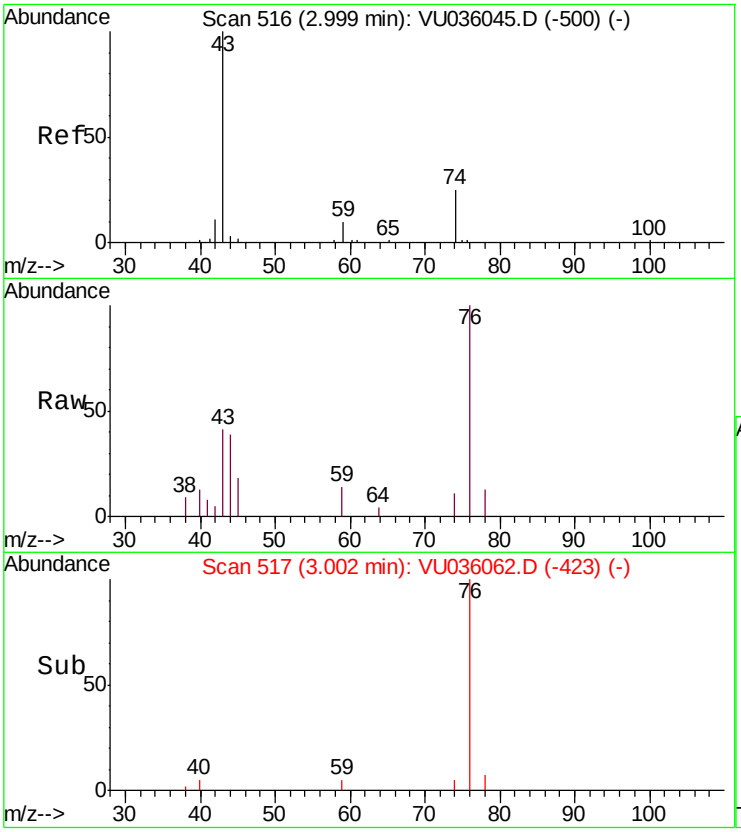


#13
Acetone
Concen: 7.878 ug/L
RT: 2.69 min Scan# 419
Delta R.T. 0.01 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 43 Resp: 38716

Ion	Ratio	Lower	Upper
43	100		
58	34.0	0.0	74.2



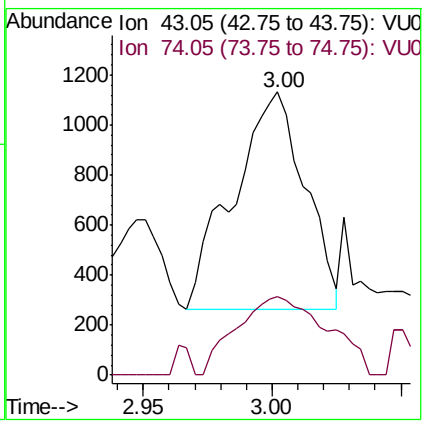


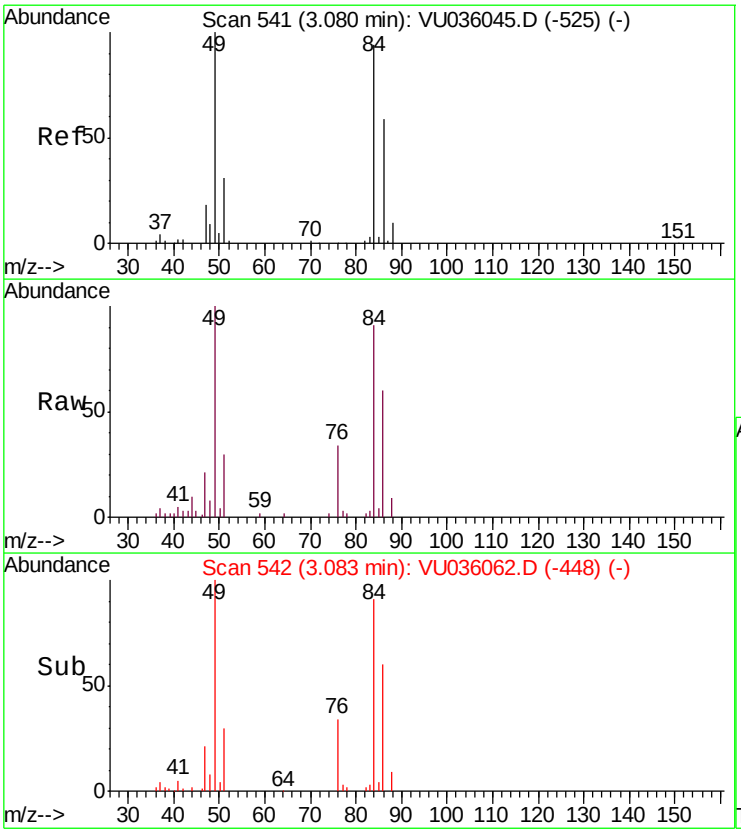
#15
Methyl Acetate
Concen: 0.231 ug/L
RT: 3.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 43 Resp: 1677

Ion	Ratio	Lower	Upper
43	100		
74	45.7	21.0	31.4#

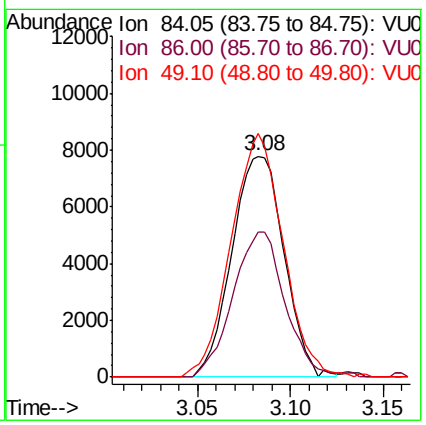


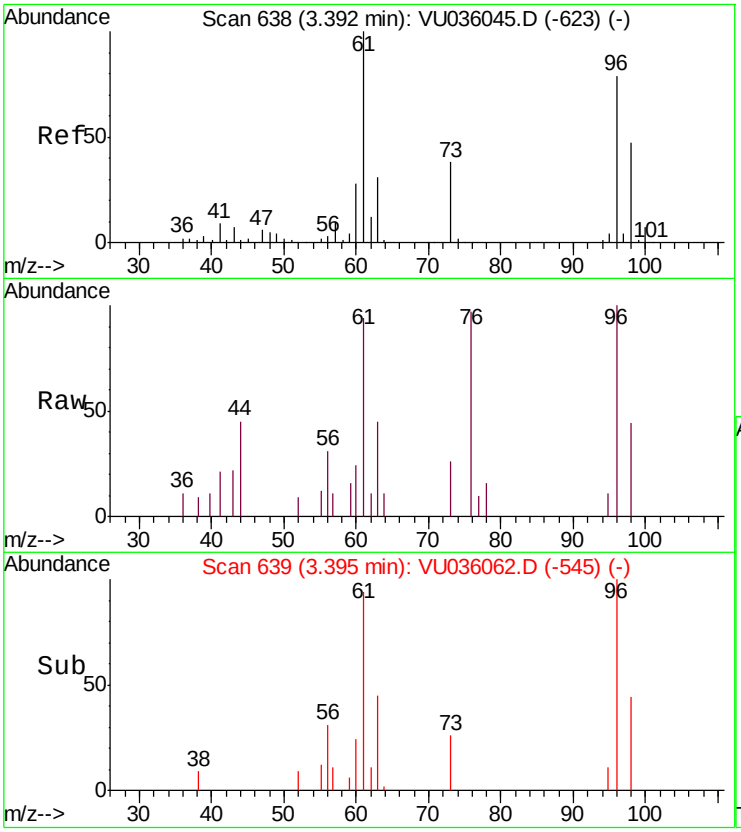


#16
Methylene chloride
Concen: 0.592 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 84 Resp: 15235

Ion	Ratio	Lower	Upper
84	100		
86	65.7	47.5	88.3
49	110.2	76.9	142.9



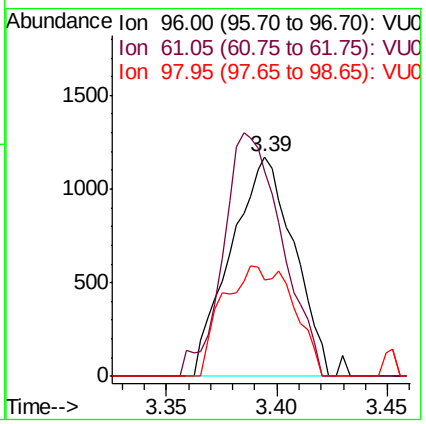


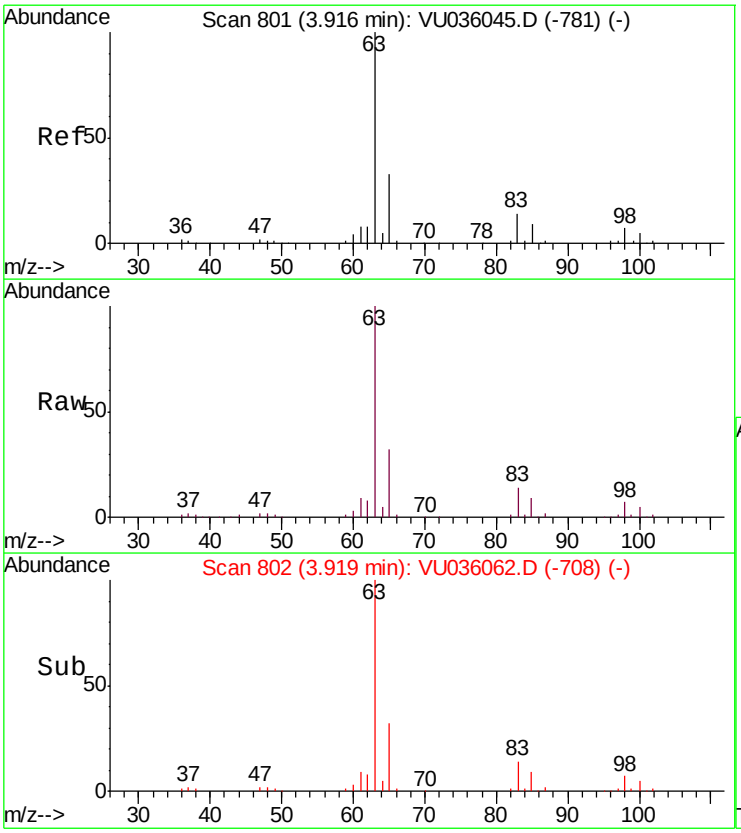
#18
trans-1,2-Dichloroethene
Concen: 0.123 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 96 Resp: 2320

Ion	Ratio	Lower	Upper
96	100		
61	93.6	92.0	170.8
98	44.0	44.6	82.8#

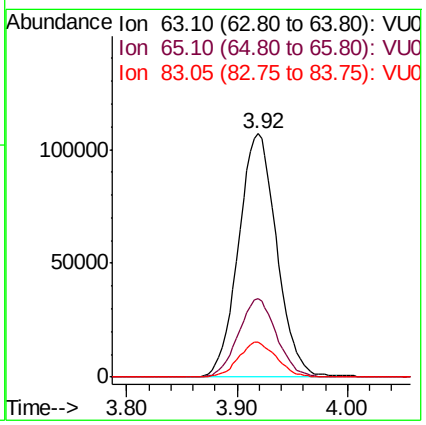


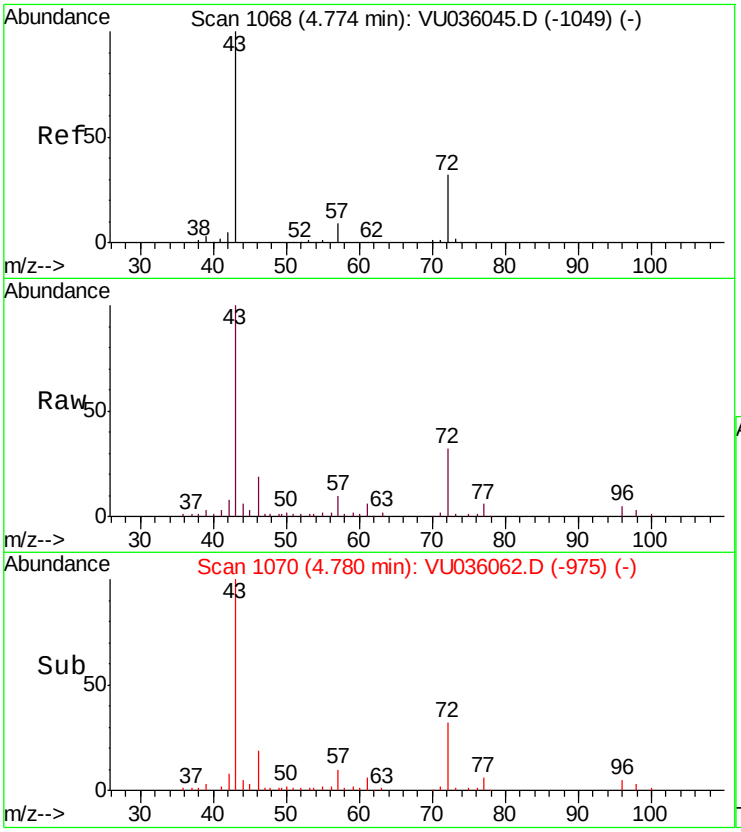


#19
1,1-Dichloroethane
Concen: 7.535 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 63 Resp: 255996

Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.8	40.4
83	14.3	10.1	18.9



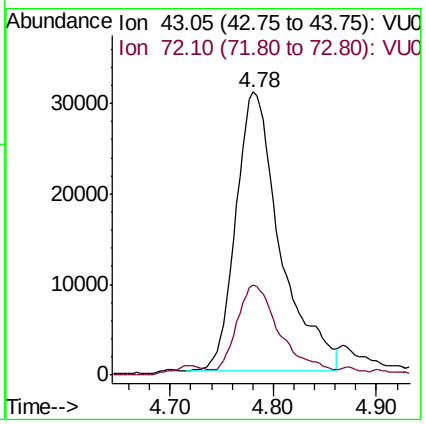


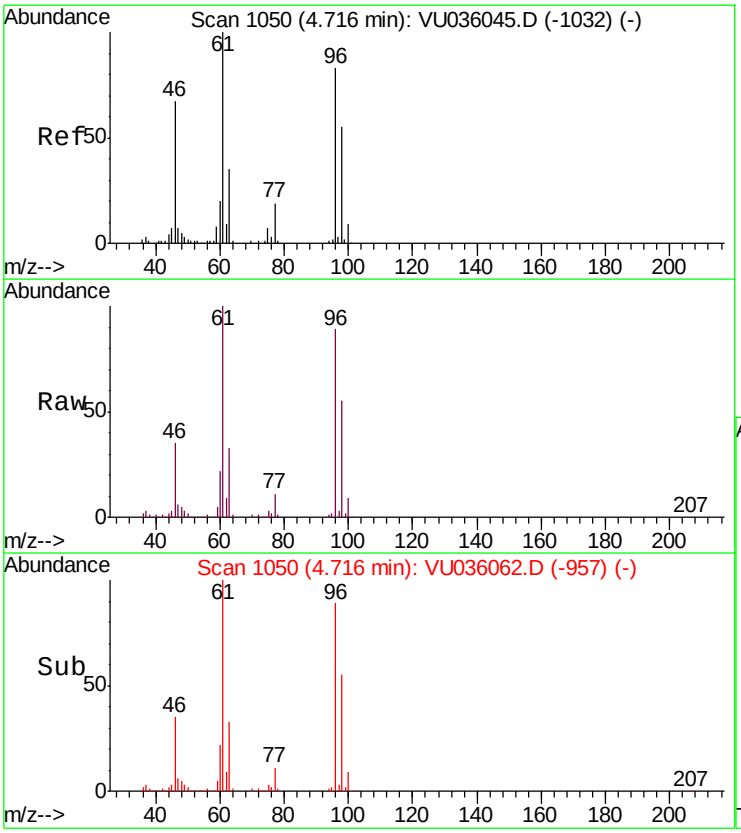
#21
2-Butanone
Concen: 18.686 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 43 Resp: 91920

Ion	Ratio	Lower	Upper
43	100		
72	30.5	15.0	45.0

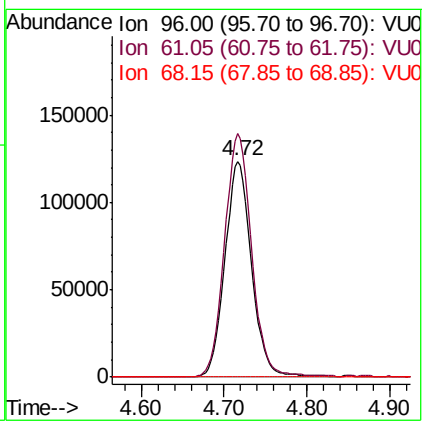


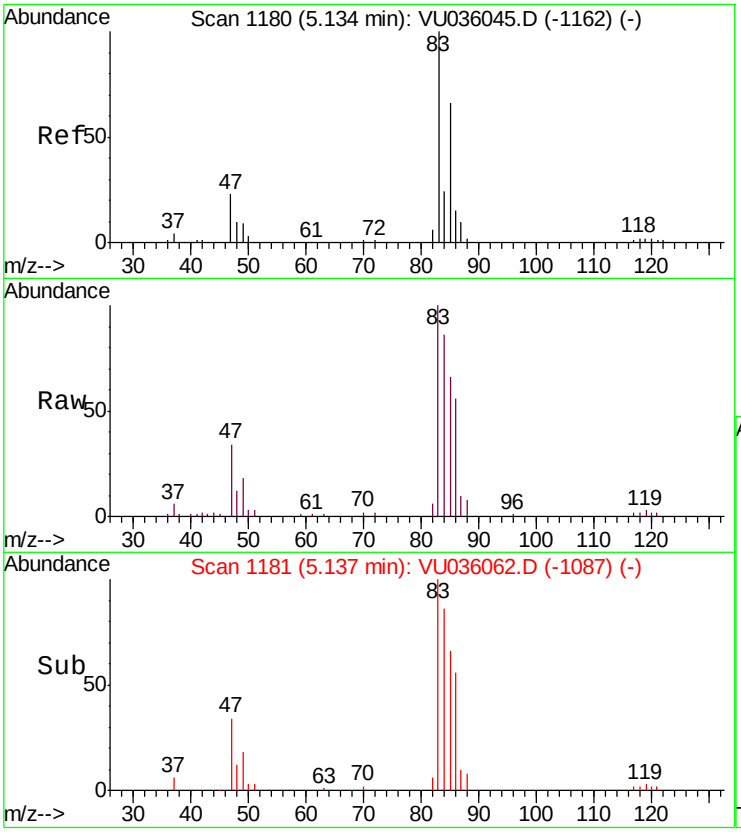


#22
cis-1,2-Dichloroethene
Concen: 13.894 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 96 Resp: 276031

Ion	Ratio	Lower	Upper
96	100		
61	112.7	83.0	154.2
68	0.0	0.0	0.0



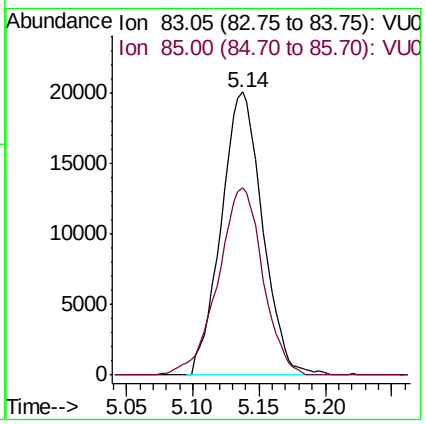


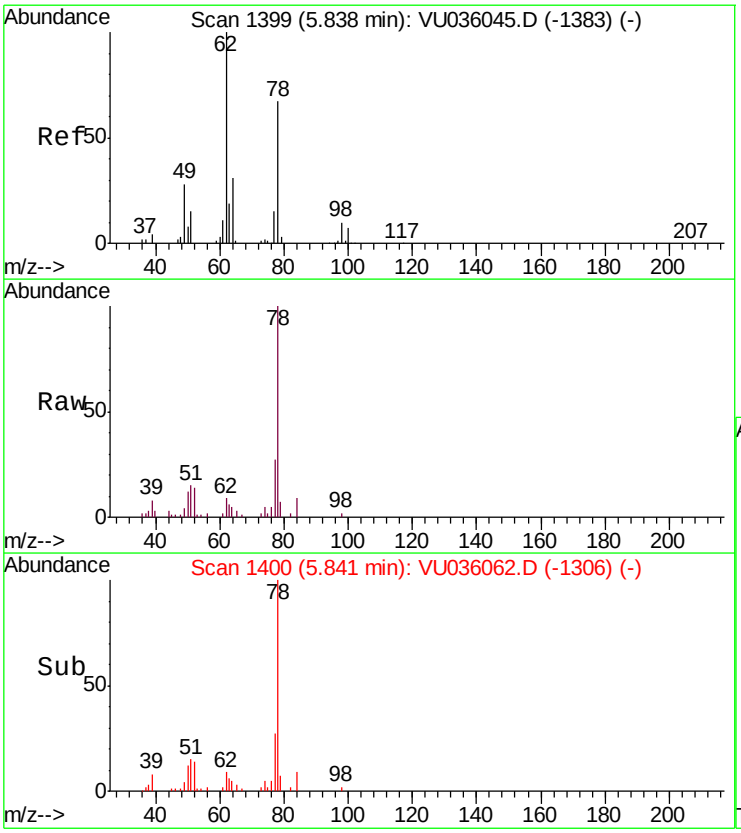
#25
Chloroform
Concen: 1.150 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 83 Resp: 43546

Ion	Ratio	Lower	Upper
83	100		
85	66.1	43.9	81.5

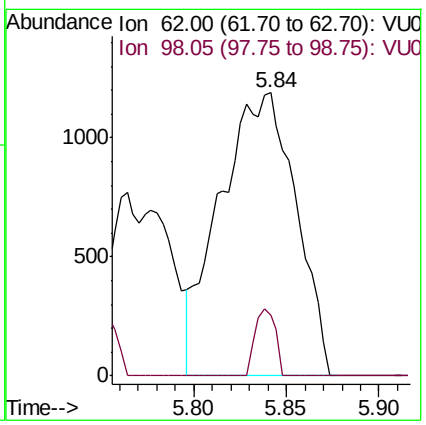


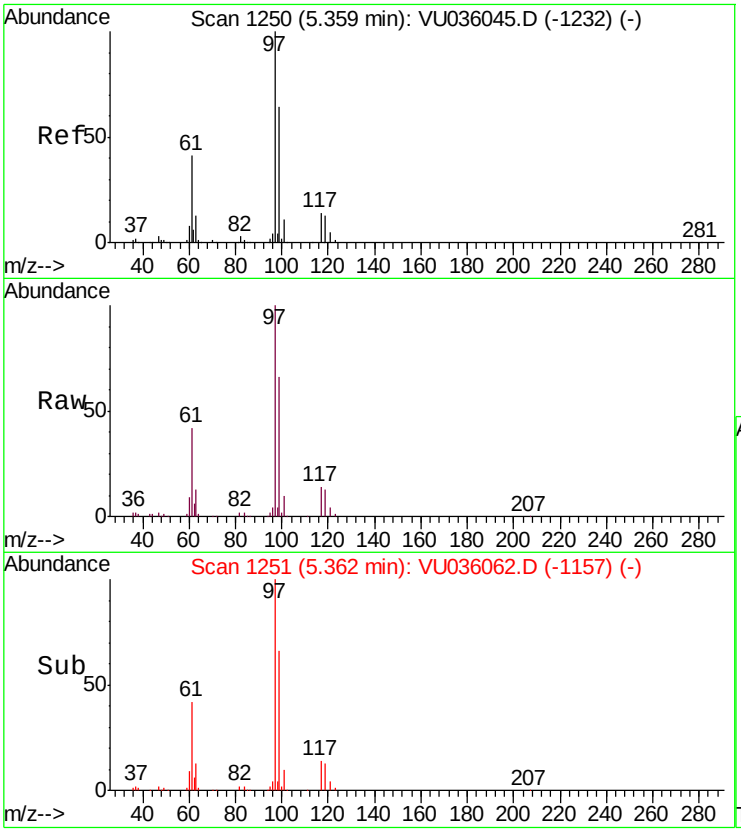


#27
1,2-Dichloroethane
Concen: 0.151 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 62 Resp: 3381

Ion	Ratio	Lower	Upper
62	100		
98	21.6	8.2	12.2#



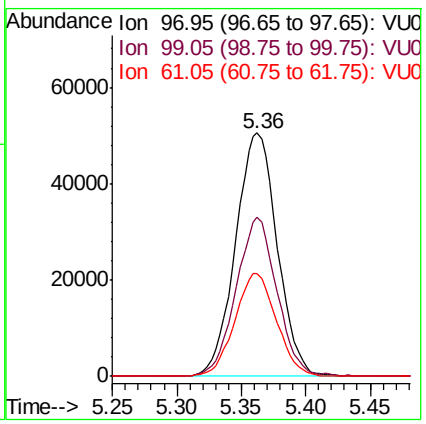


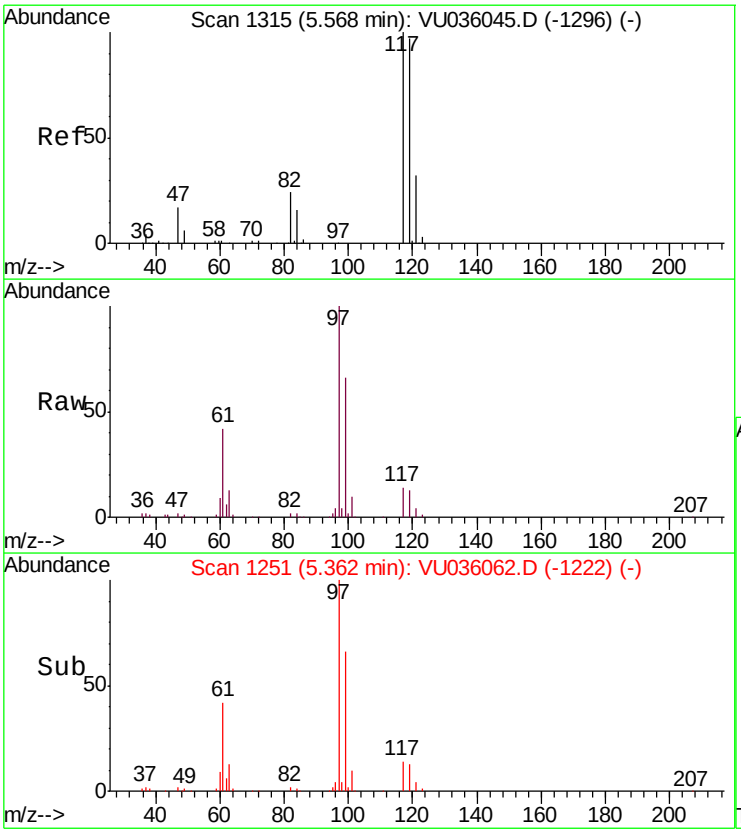
#29
1,1,1-Trichloroethane
Concen: 3.754 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 97 Resp: 113782

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.2
61	41.9	34.7	52.1

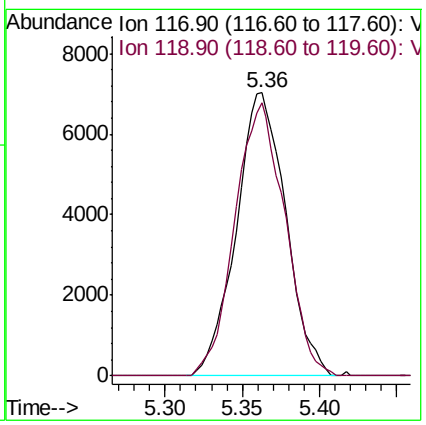


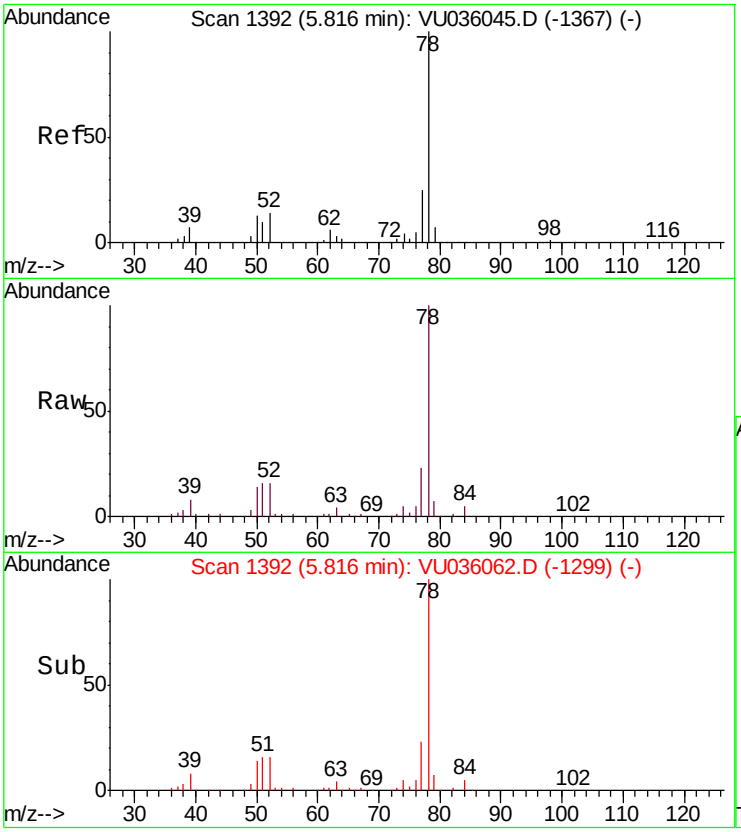


#31
Carbon tetrachloride
Concen: 0.571 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.21 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion:117 Resp: 15646

Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.2	117.4

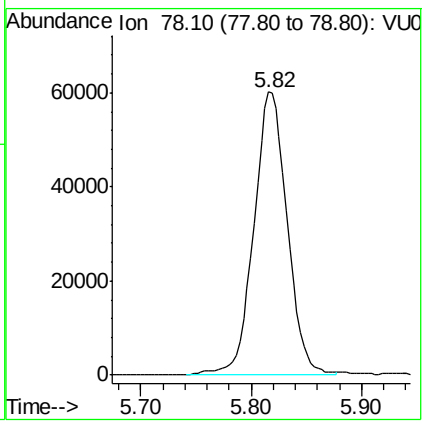


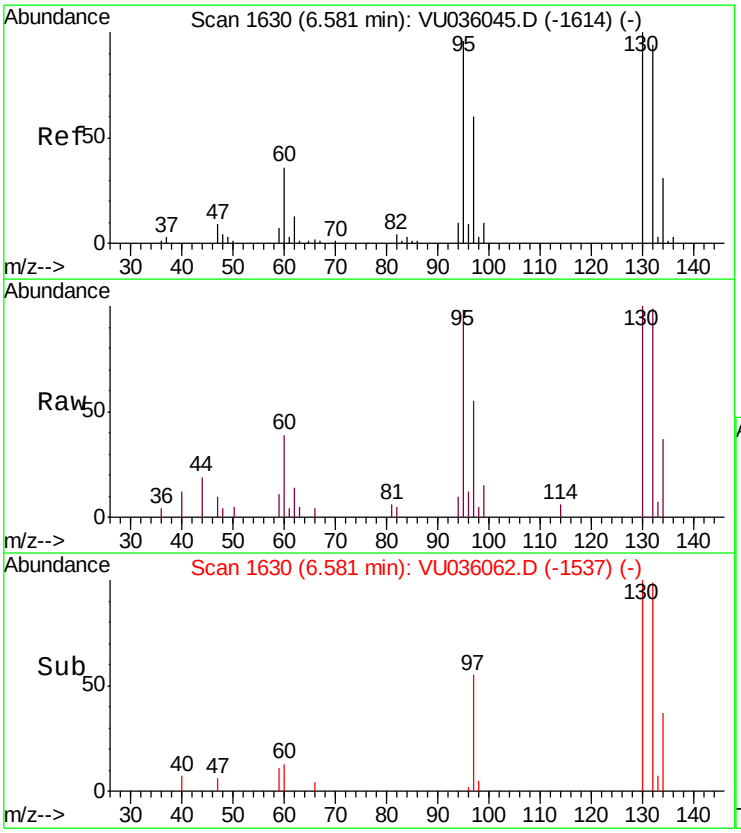


#33
Benzene
Concen: 1.718 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 78 Resp: 126274

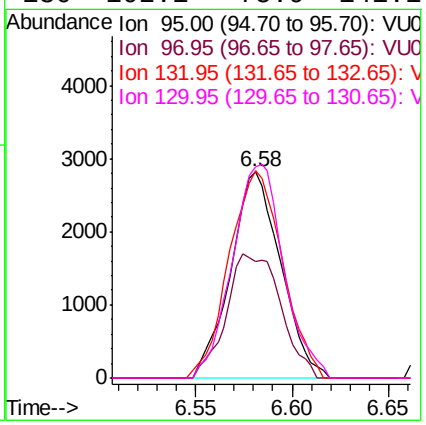


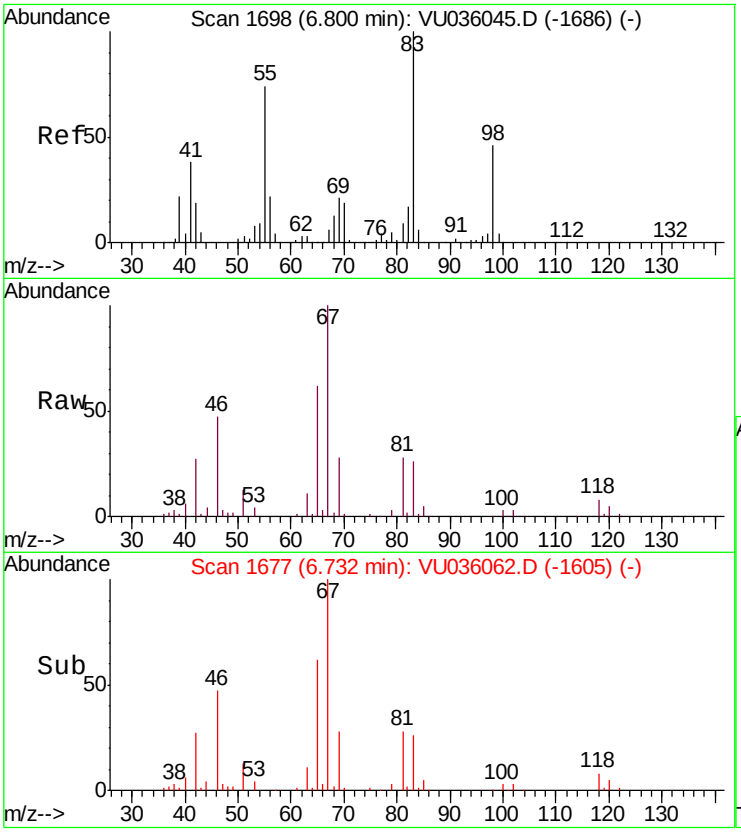


#34
Trichloroethene
Concen: 0.259 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 95 Resp: 5045

Ion	Ratio	Lower	Upper
95	100		
97	56.5	44.4	82.4
132	100.6	73.4	136.4
130	102.1	75.9	141.1



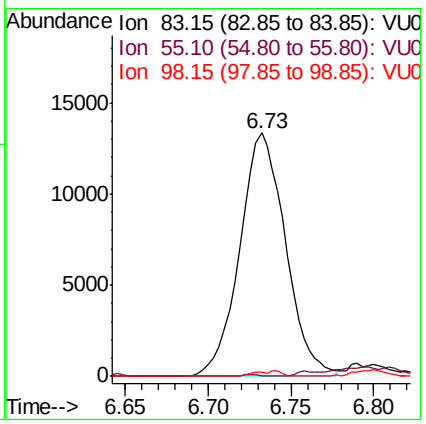


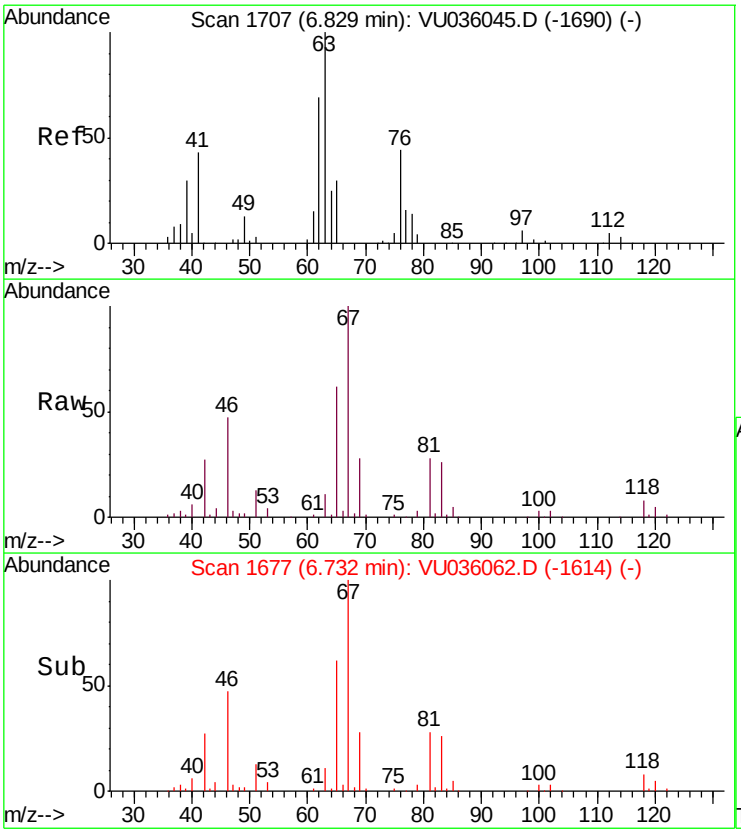
#35
Methylcyclohexane
Concen: 0.976 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument : MSVOA_U
ClientSampleId : BFQW1

Tgt Ion: 83 Resp: 25554

Ion	Ratio	Lower	Upper
83	100		
55	0.3	62.1	93.1#
98	0.0	37.0	55.4#

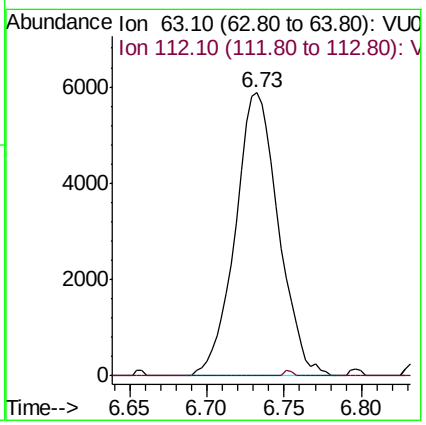


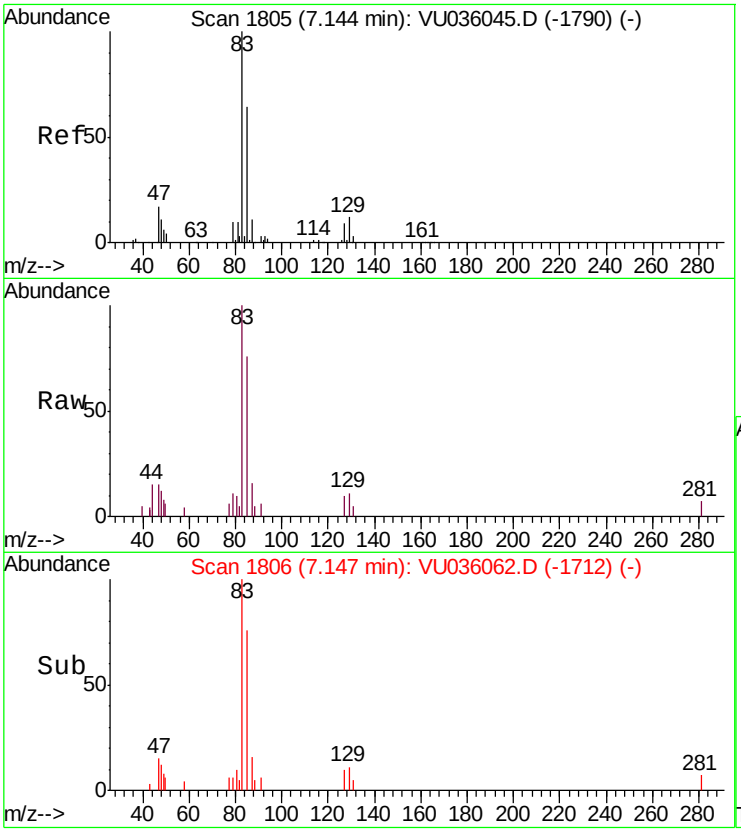


#37
1,2-Dichloropropane
Concen: 0.620 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 63 Resp: 11434

Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.8	5.8#



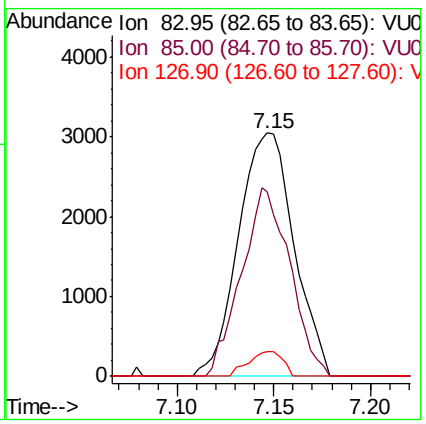


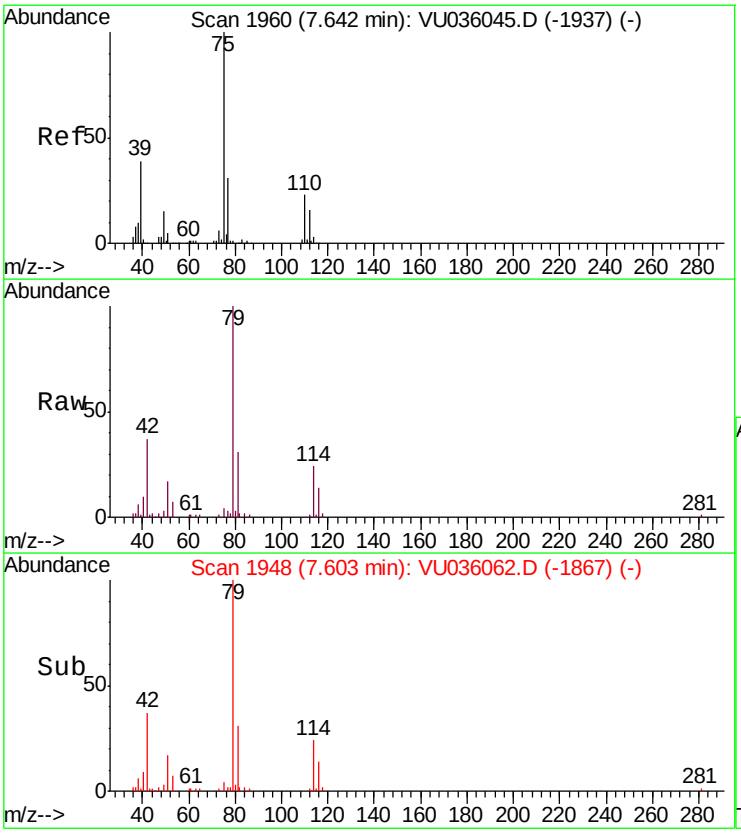
#38
Bromodichloromethane
Concen: 0.245 ug/L
RT: 7.15 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 83 Resp: 6074

Ion	Ratio	Lower	Upper
83	100		
85	75.7	45.2	84.0
127	10.2	7.4	11.2

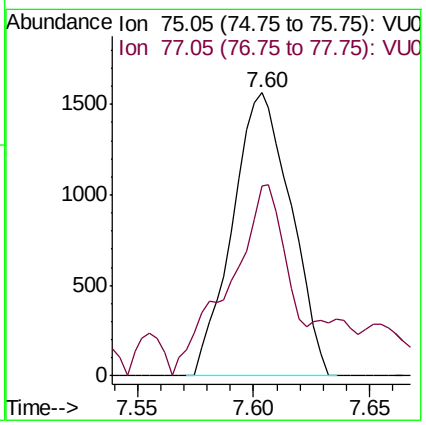


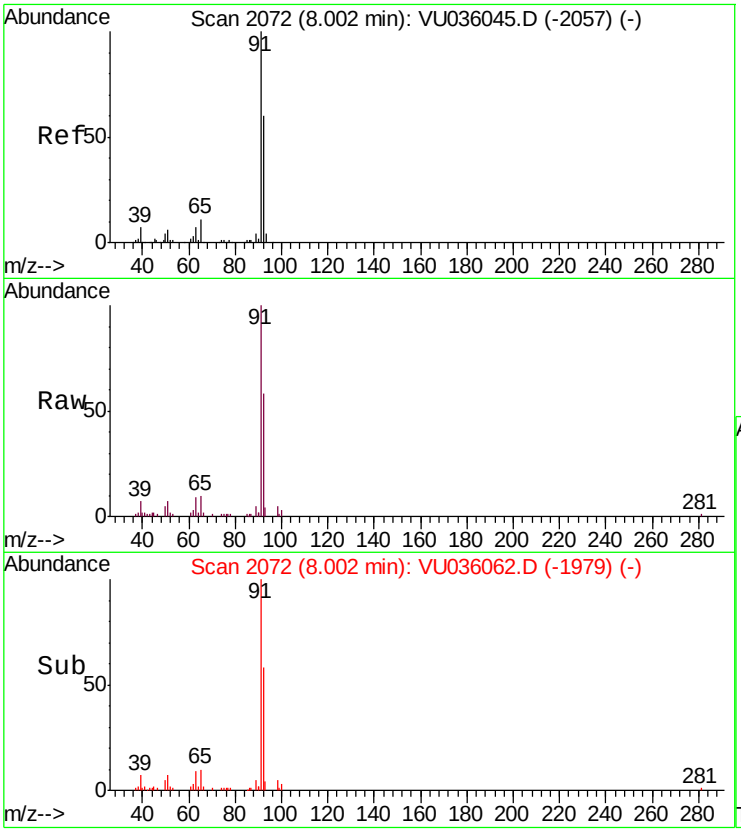


#39
cis-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion: 75 Resp: 2735

Ion	Ratio	Lower	Upper
75	100		
77	67.3	21.7	40.3#



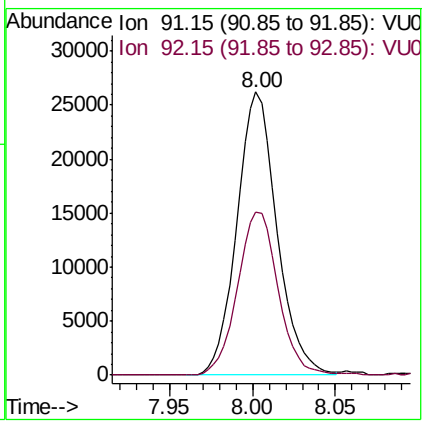


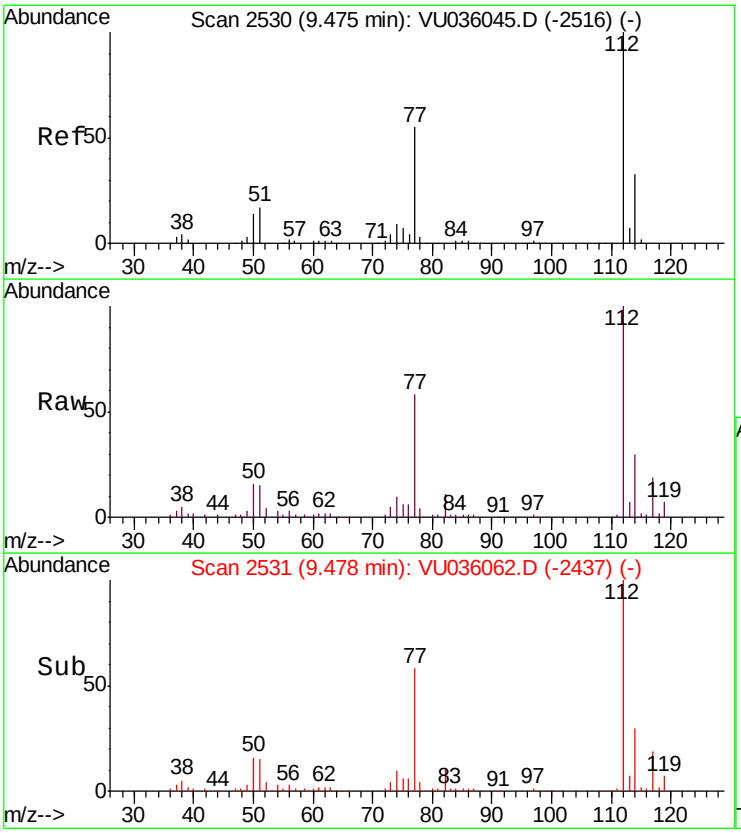
#42
Toluene
Concen: 0.560 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 91 Resp: 44123

Ion	Ratio	Lower	Upper
91	100		
92	57.6	40.0	74.4

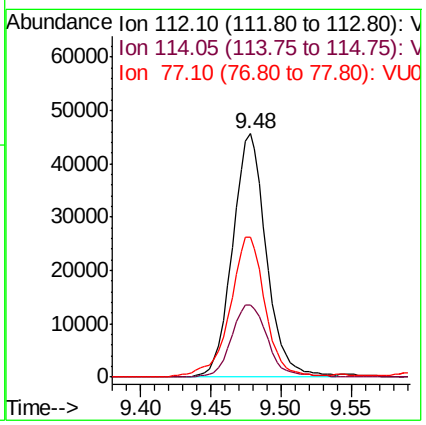


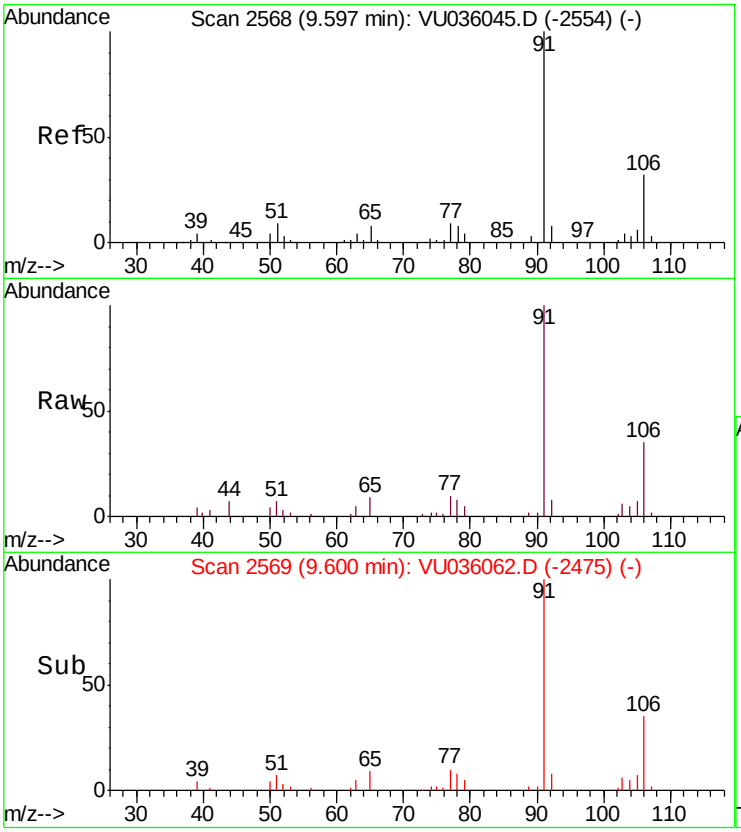


#51
Chlorobenzene
Concen: 1.394 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion:112 Resp: 76554

Ion	Ratio	Lower	Upper
112	100		
114	29.7	22.3	41.5
77	57.7	43.8	65.8



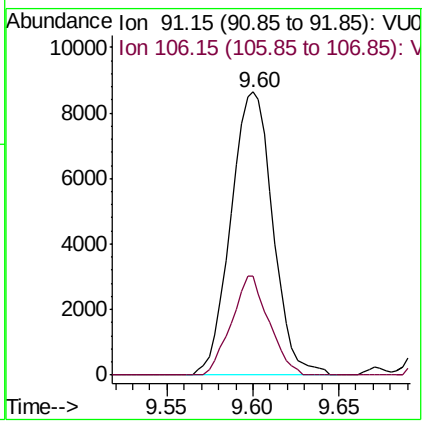


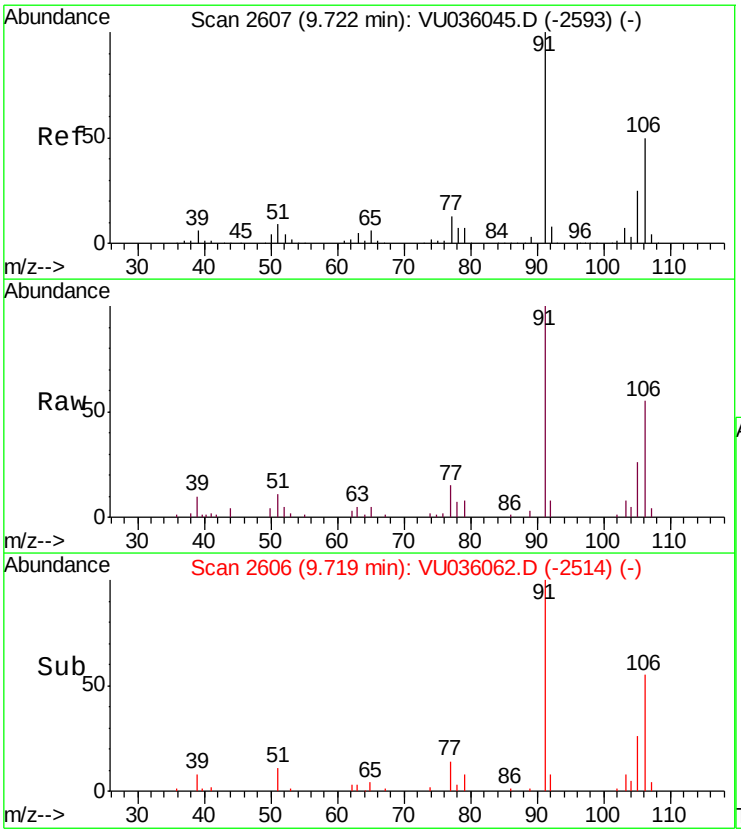
#52
Ethylbenzene
Concen: 0.178 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 91 Resp: 14704

Ion	Ratio	Lower	Upper
91	100		
106	34.9	22.0	41.0

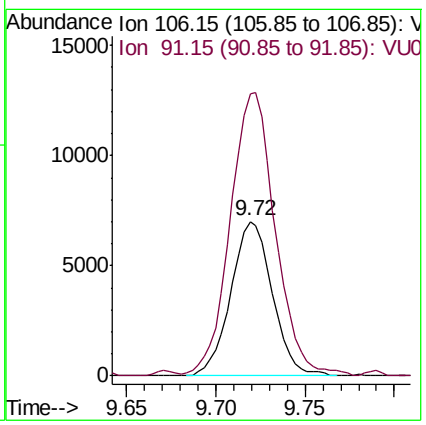


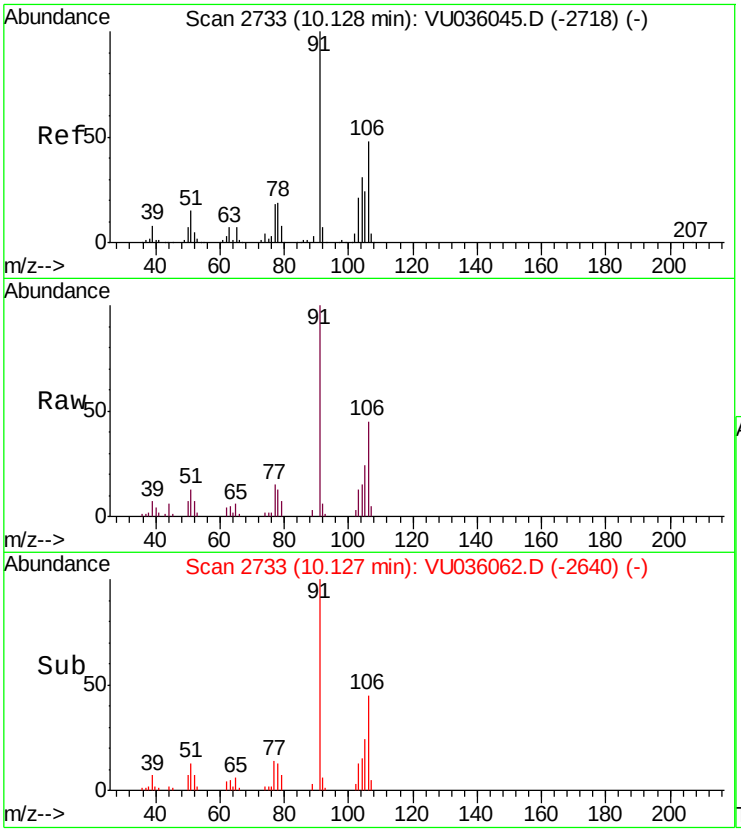


#53
m,p-Xylene
Concen: 0.346 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion:106 Resp: 11380

Ion	Ratio	Lower	Upper
106	100		
91	183.3	136.9	254.3



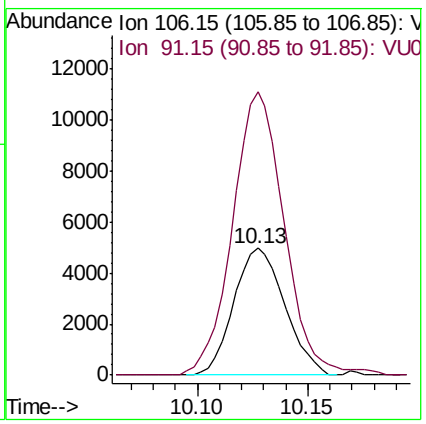


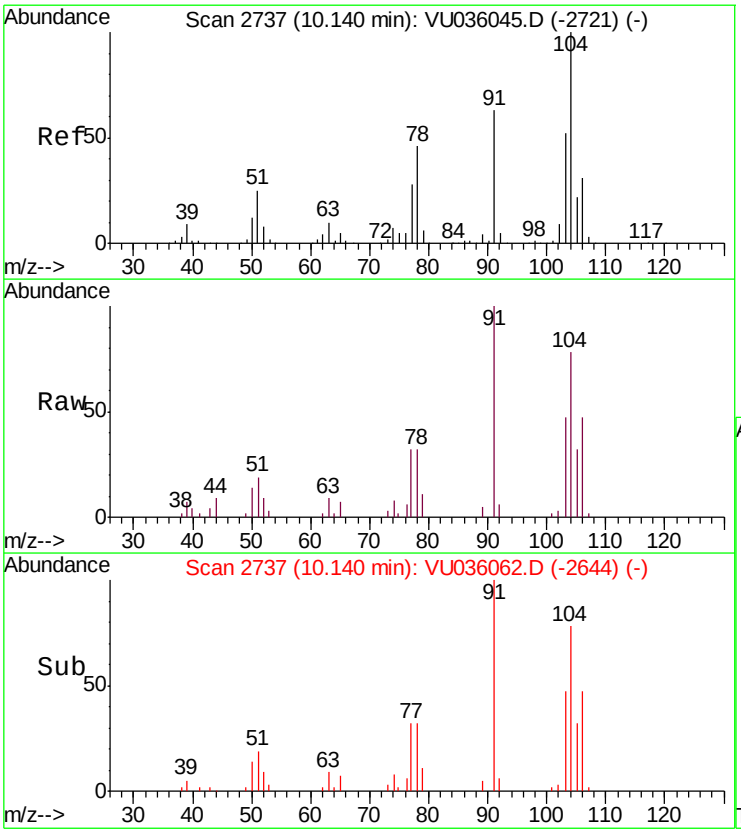
#54
o-Xylene
Concen: 0.259 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion:106 Resp: 7984

Ion	Ratio	Lower	Upper
106	100		
91	222.7	140.6	261.2

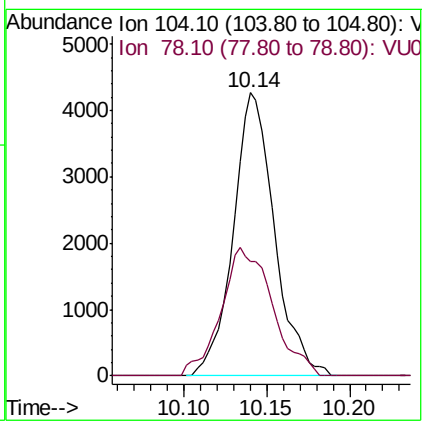


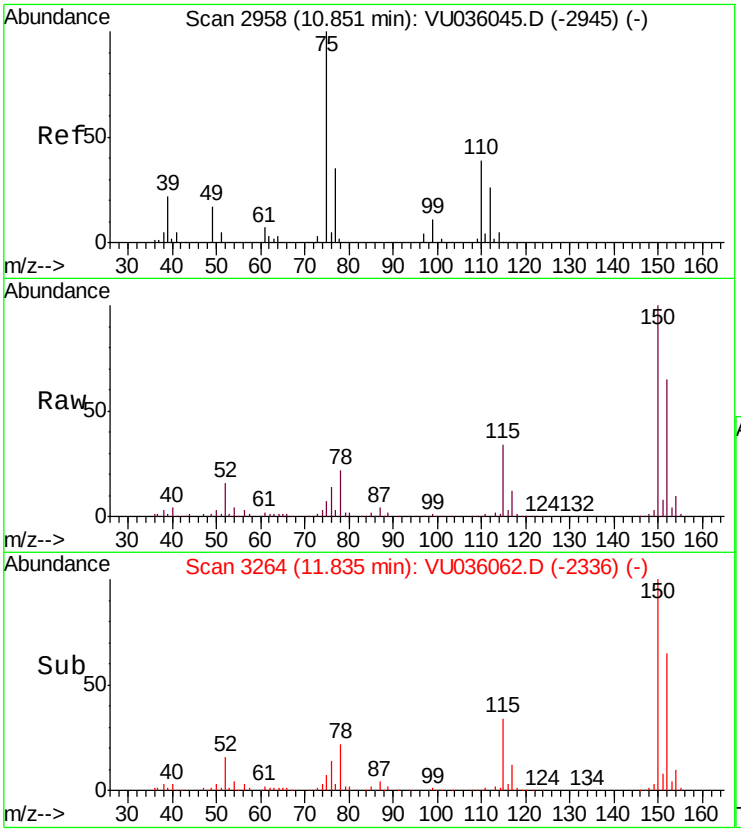


#55
Styrene
Concen: 0.139 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion:104 Resp: 7371

Ion	Ratio	Lower	Upper
104	100		
78	40.6	30.5	56.7



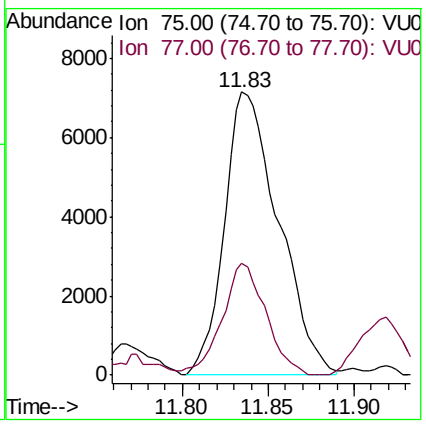


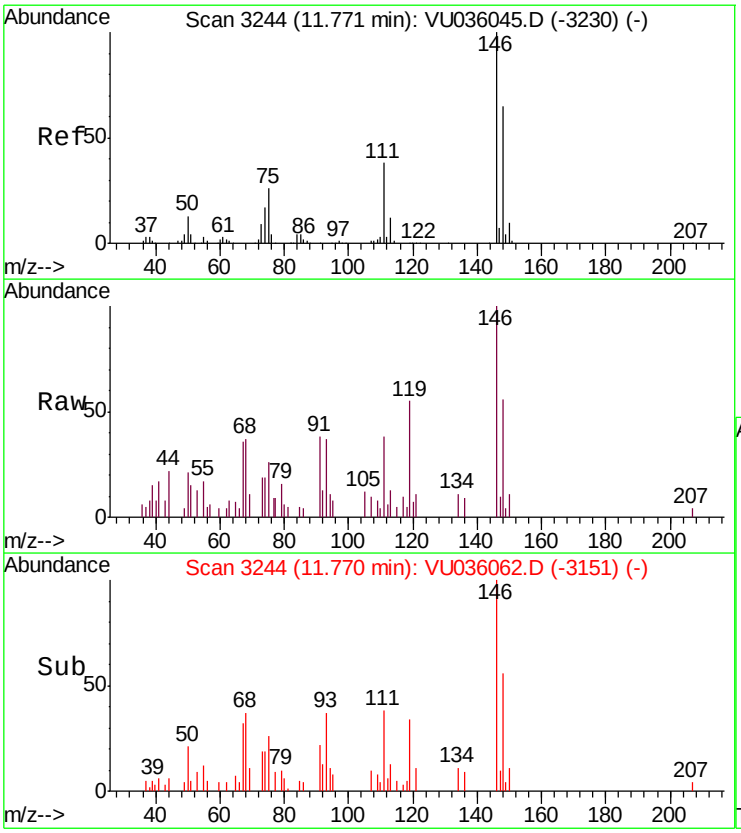
#59
1,2,3-Trichloropropane
Concen: 1.191 ug/L
RT: 11.83 min Scan# 3264
Delta R.T. 0.98 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion: 75 Resp: 15688

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.7	40.1

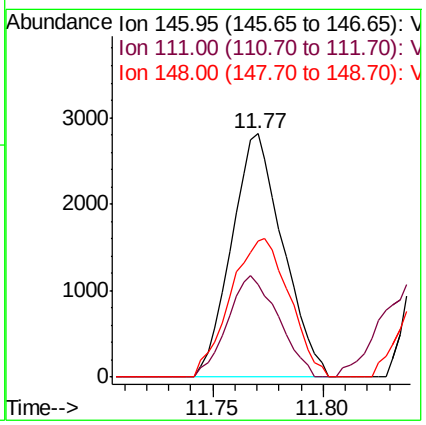


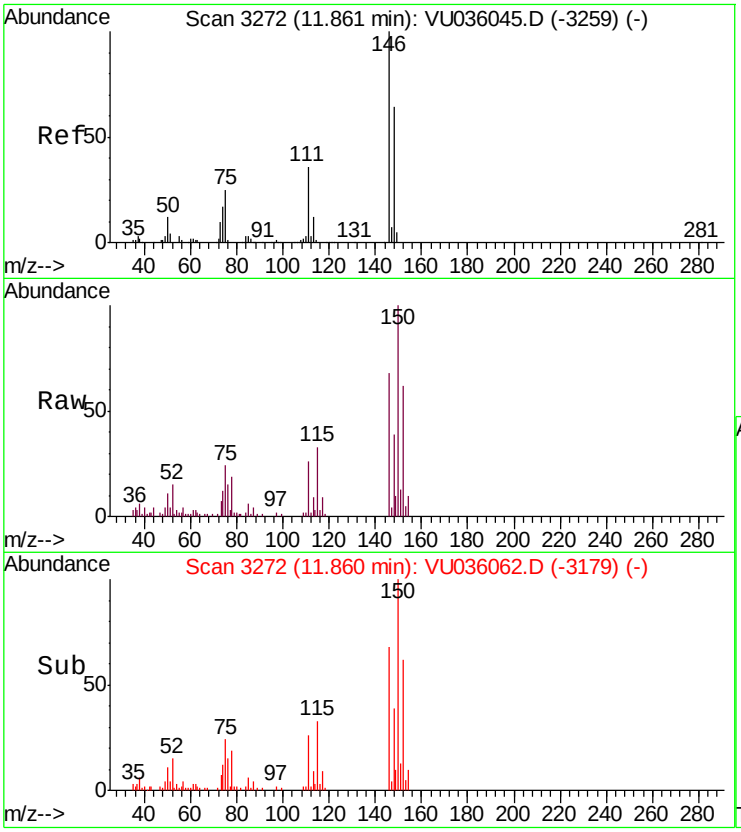


#62
1,3-Dichlorobenzene
Concen: 0.118 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion:146 Resp: 4549

Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.0	48.2
148	55.7	43.7	81.1



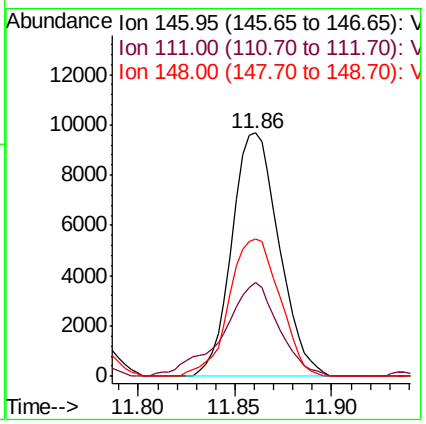


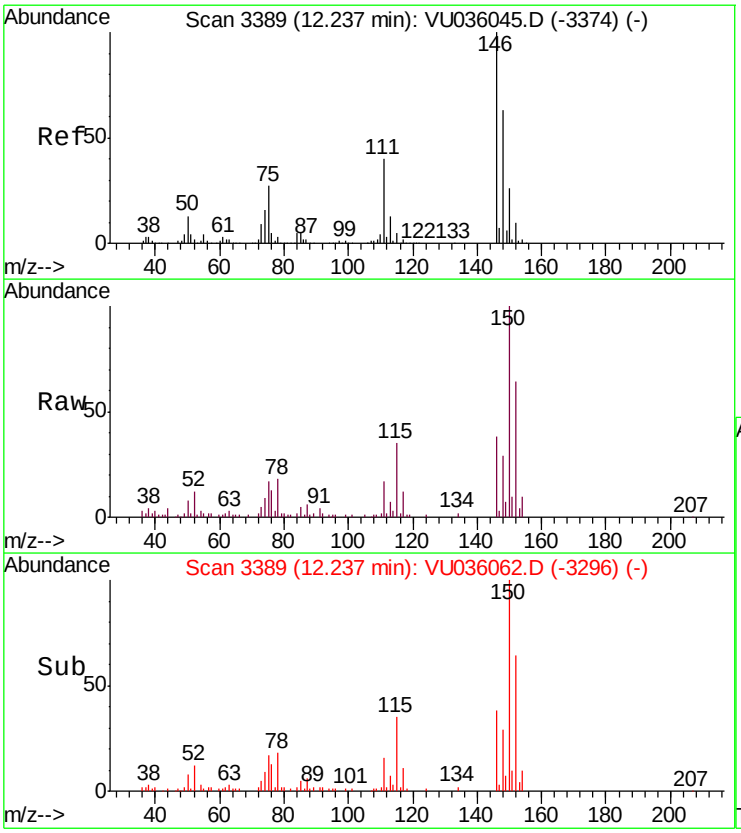
#63
1,4-Dichlorobenzene
Concen: 0.432 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion:146 Resp: 16408

Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.2	48.6
148	56.7	44.9	83.5

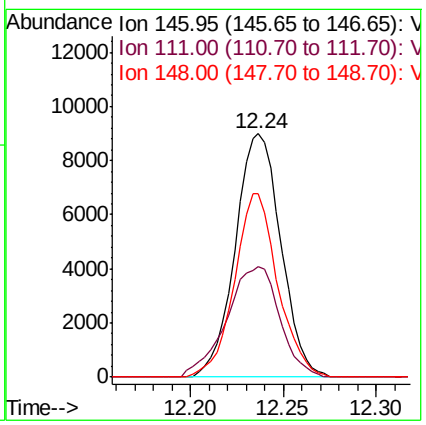


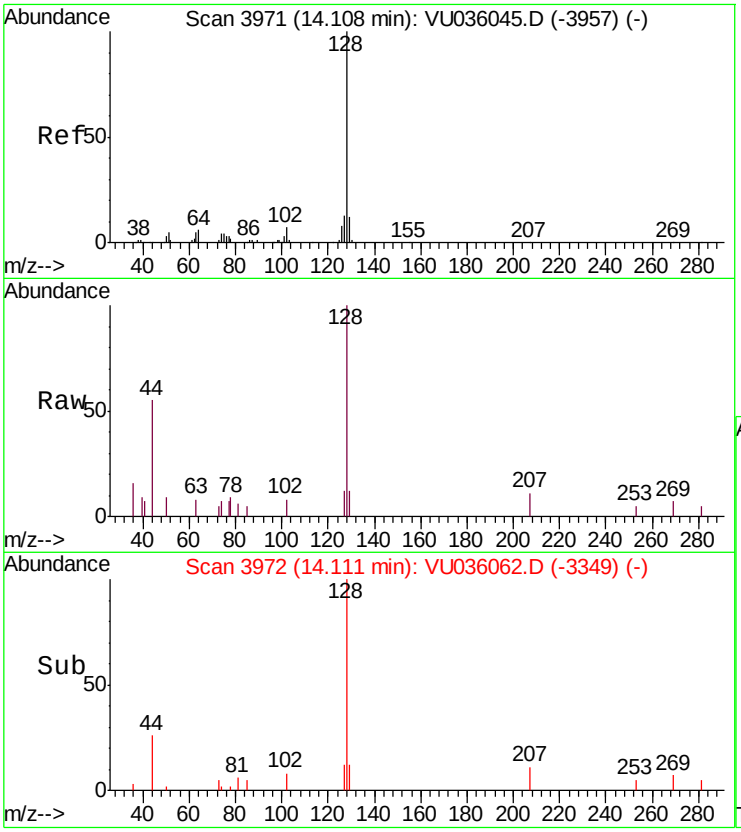


#65
1,2-Dichlorobenzene
Concen: 0.402 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Tgt Ion:146 Resp: 15312

Ion	Ratio	Lower	Upper
146	100		
111	45.4	31.3	46.9
148	75.6	50.5	75.7





#69
Naphthalene
Concen: 0.261 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VU036062.D
Acq: 09 Dec 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFQW1

Tgt Ion:128 Resp: 3485

Ion	Ratio	Lower	Upper
128	100		
129	8.3	9.2	13.8#
127	15.1	11.1	16.7