Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\

Quantitation Report (Not Reviewed)

Data File : VU036020.D
Acq On : 06 Dec 2019 13:36
Operator : JC/SP
Sample : K6132-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW3

Quant Time: Dec 06 22:34:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	280878	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	293163	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	124541	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	113613	3.55	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 71.00%			
7) Chloroethane-d5	1.93	69	115338	4.49	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 89.80%			
11) 1,1-Dichloroethene-d2	2.59	63	137680	2.99	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 59.80%#			
20) 2-Butanone-d5	4.70	46	264478	46.65	ug/L	0.01
Spiked Amount 50.000	Range 40 - 130		Recovery = 93.30%			
24) Chloroform-d	5.11	84	203050	4.62	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.40%			
26) 1,2-Dichloroethane-d4	5.75	65	105509	4.53	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.60%			
32) Benzene-d6	5.77	84	382594	4.41	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.20%			
36) 1,2-Dichloropropane-d6	6.73	67	123385	4.39	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 87.80%			
41) Toluene-d8	7.93	98	309273	3.87	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 77.40%			
43) trans-1,3-Dichloropropene-	8.21	79	43857	3.86	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 77.20%			
46) 2-Hexanone-d5	8.68	63	204201	45.72	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 91.44%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	106615	4.51	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 90.20%			
64) 1,2-Dichlorobenzene-d4	12.22	152	127913	4.97	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.40%			

Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	112583	3.356	ug/L #	55
8) Chloroethane	1.95	64	62048	2.982	ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	2931	0.136	ug/L #	72
12) 1,1-Dichloroethene	2.60	96	4367	0.217	ug/L #	1
13) Acetone	2.69	43	47733	9.312	ug/L	98
15) Methyl Acetate	3.00	43	4712	0.513	ug/L #	85
16) Methylene chloride	3.08	84	16198	0.519	ug/L	94
18) trans-1,2-Dichloroethene	3.39	96	1920	0.090	ug/L	93
19) 1,1-Dichloroethane	3.92	63	264090	6.338	ug/L	99
21) 2-Butanone	4.79	43	110502	16.792	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	271292	12.047	ug/L	88
25) Chloroform	5.14	83	75325	1.792	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	115408	3.255	ug/L	96
31) Carbon tetrachloride	5.36	117	16130	0.513	ug/L	92
33) Benzene	5.82	78	121593	1.319	ug/L	100
34) Trichloroethene	6.58	95	5744	0.246	ug/L	99
37) 1,2-Dichloropropane	6.73	63	13553	0.543	ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\

Quantitation Report (Not Reviewed)

Data File : VU036020.D
Acq On : 06 Dec 2019 13:36
Operator : JC/SP
Sample : K6132-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFQW3

Quant Time: Dec 06 22:34:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) Bromodichloromethane	7.15	83	10402	0.348	ug/L		97
39) cis-1,3-Dichloropropene	7.60	75	3032	0.092	ug/L	#	52
42) Toluene	8.00	91	47684	0.495	ug/L		100
51) Chlorobenzene	9.48	112	72104	1.199	ug/L		100
52) Ethylbenzene	9.60	91	12194	0.125	ug/L		95
53) m,p-Xylene	9.72	106	10641	0.290	ug/L		86
54) o-Xylene	10.13	106	7835	0.227	ug/L		84
55) Styrene	10.14	104	8805	0.152	ug/L		94
59) 1,2,3-Trichloropropane	11.83	75	16585	1.022	ug/L		99
62) 1,3-Dichlorobenzene	11.77	146	4511	0.109	ug/L		94
63) 1,4-Dichlorobenzene	11.86	146	13943	0.339	ug/L		98
65) 1,2-Dichlorobenzene	12.24	146	13761	0.348	ug/L		99
69) Naphthalene	14.11	128	2620	0.152	ug/L		99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120619\

Quantitation Report (Not Reviewed)

Data File : VU036020.D
Acq On : 06 Dec 2019 13:36
Operator : JC/SP
Sample : K6132-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
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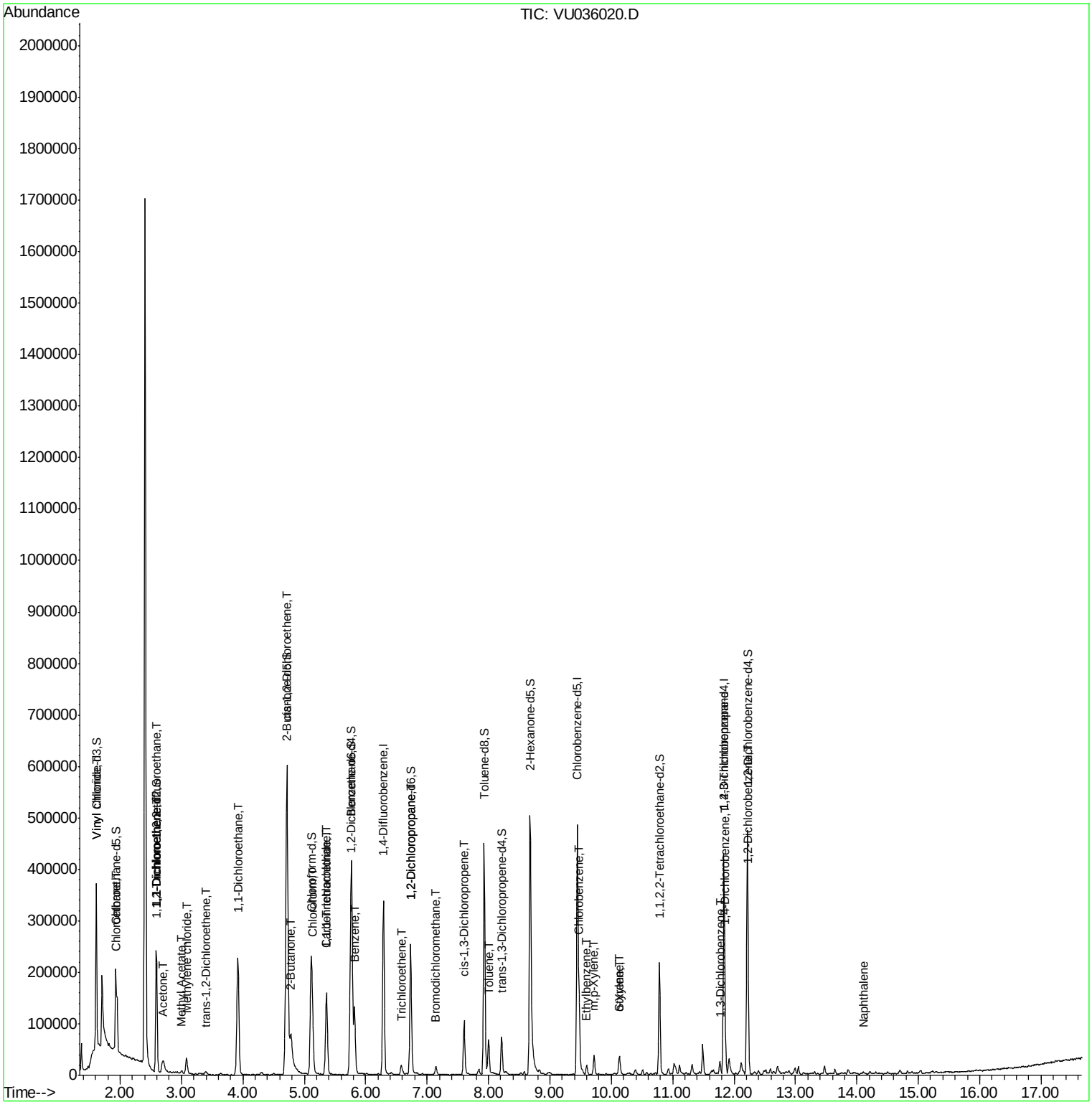
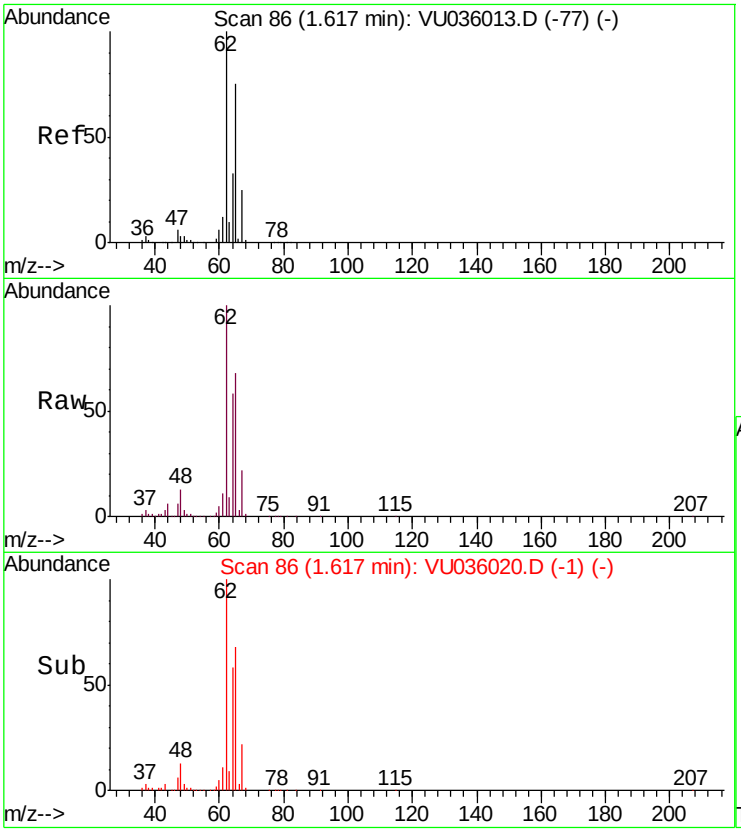
Quant Time: Dec 06 22:34:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 22:30:31 2019
Response via : Initial Calibration



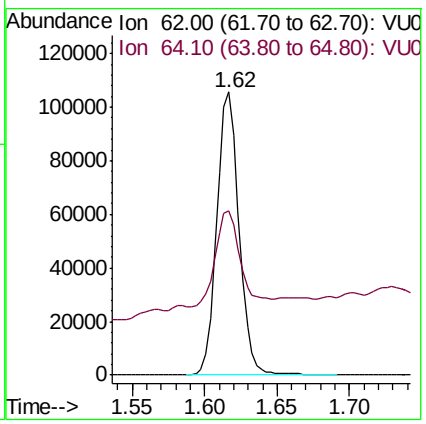


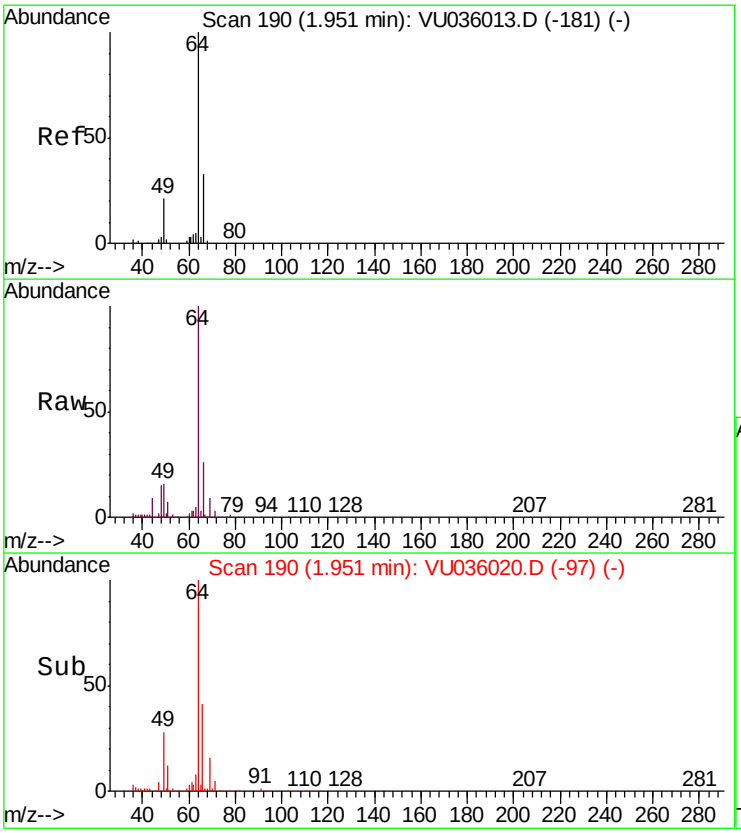
#5
Vinyl chloride
Concen: 3.356 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion: 62 Resp: 112583

Ion	Ratio	Lower	Upper
62	100		
64	58.0	23.0	42.6#

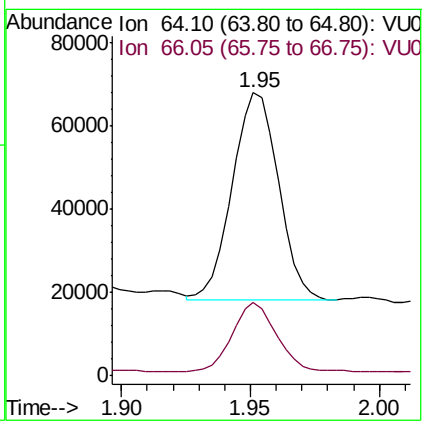


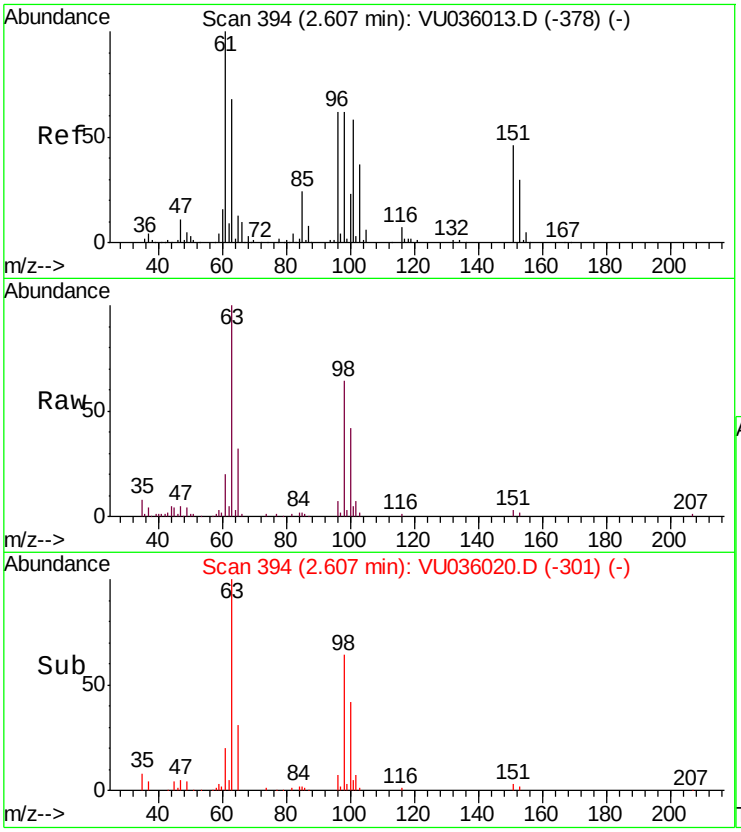


#8
Chloroethane
Concen: 2.982 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 64 Resp: 62048

Ion	Ratio	Lower	Upper
64	100		
66	26.2	22.0	40.8



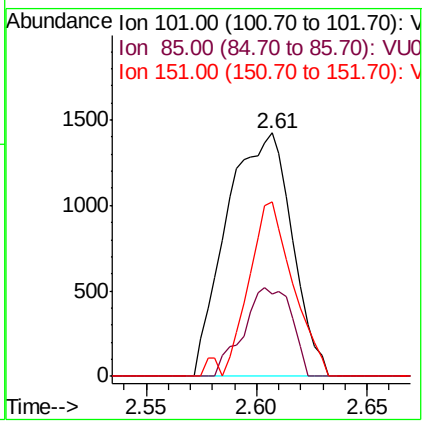


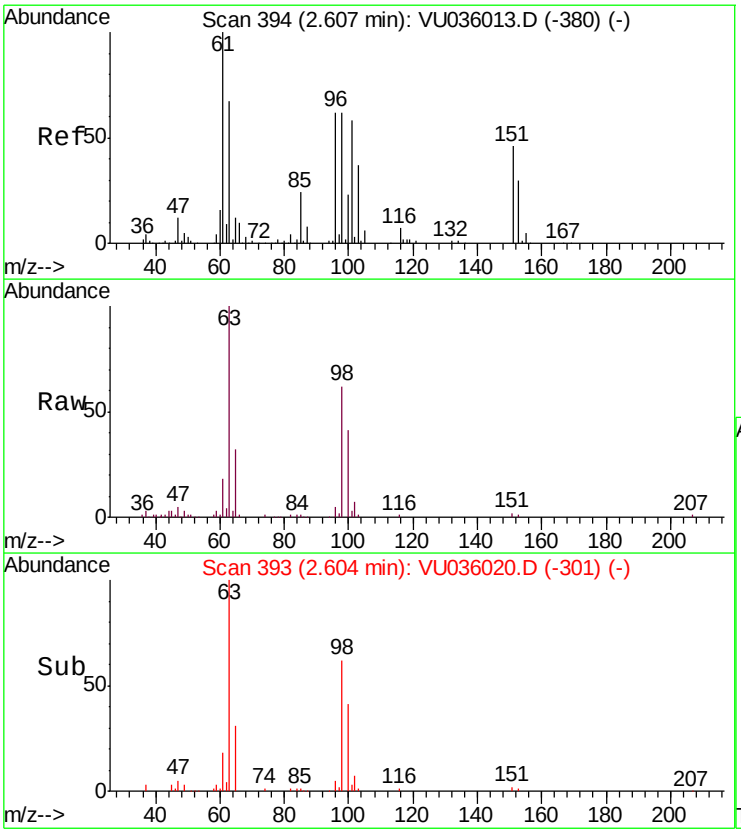
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.136 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument : MSVOA_U
ClientSampleId : BFQW3

Tgt Ion:101 Resp: 2931

Ion	Ratio	Lower	Upper
101	100		
85	26.7	35.5	53.3#
151	48.1	57.5	86.3#

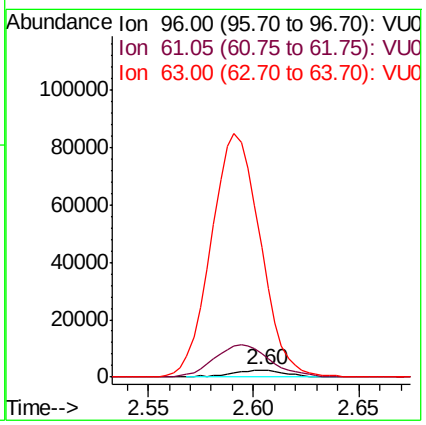


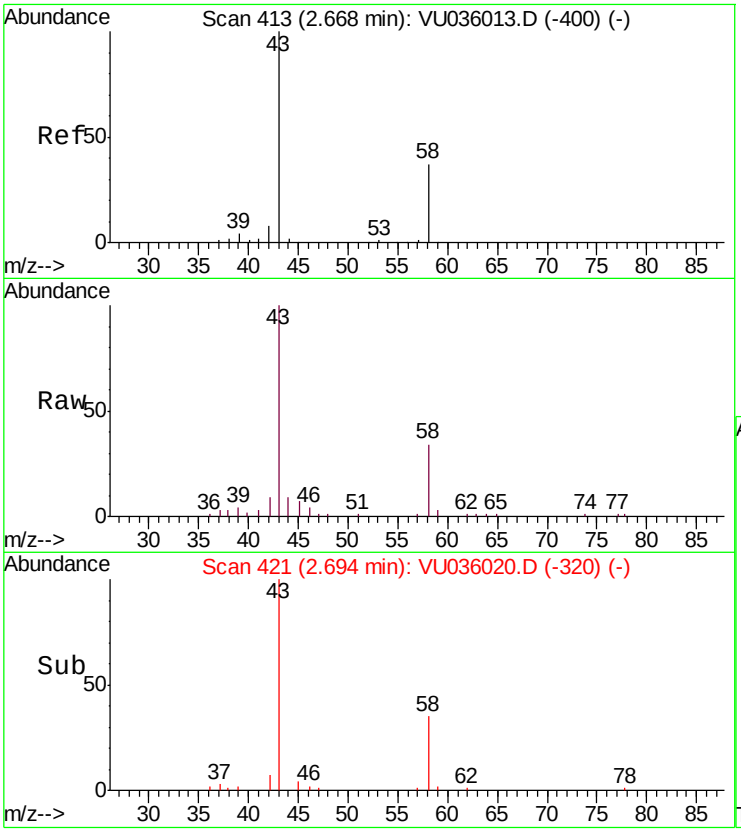


#12
1,1-Dichloroethene
Concen: 0.217 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 96 Resp: 4367

Ion	Ratio	Lower	Upper
96	100		
61	351.1	127.1	236.1#
63	1900.5	86.0	159.8#



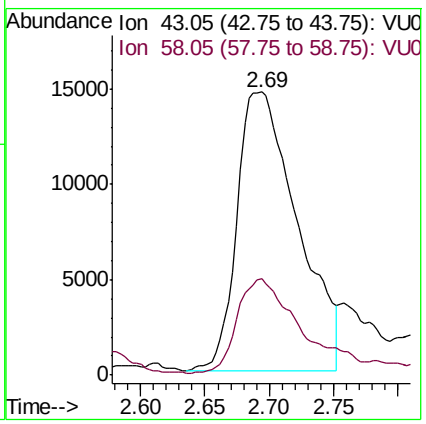


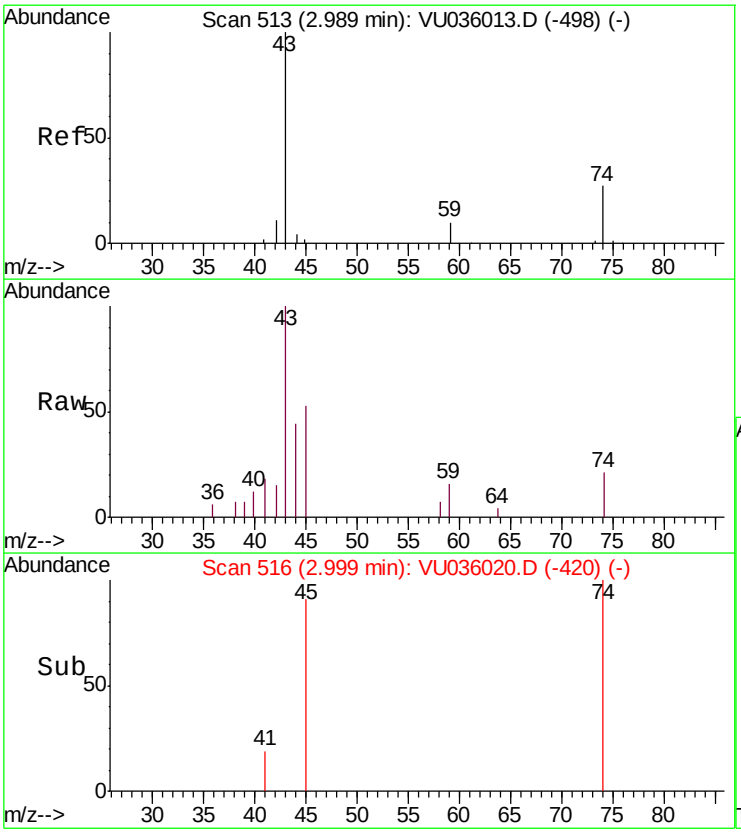
#13
Acetone
Concen: 9.312 ug/L
RT: 2.69 min Scan# 421
Delta R.T. 0.03 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion: 43 Resp: 47733

Ion	Ratio	Lower	Upper
43	100		
58	35.4	0.0	68.6

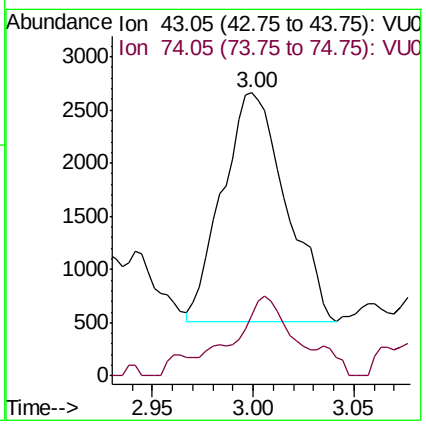


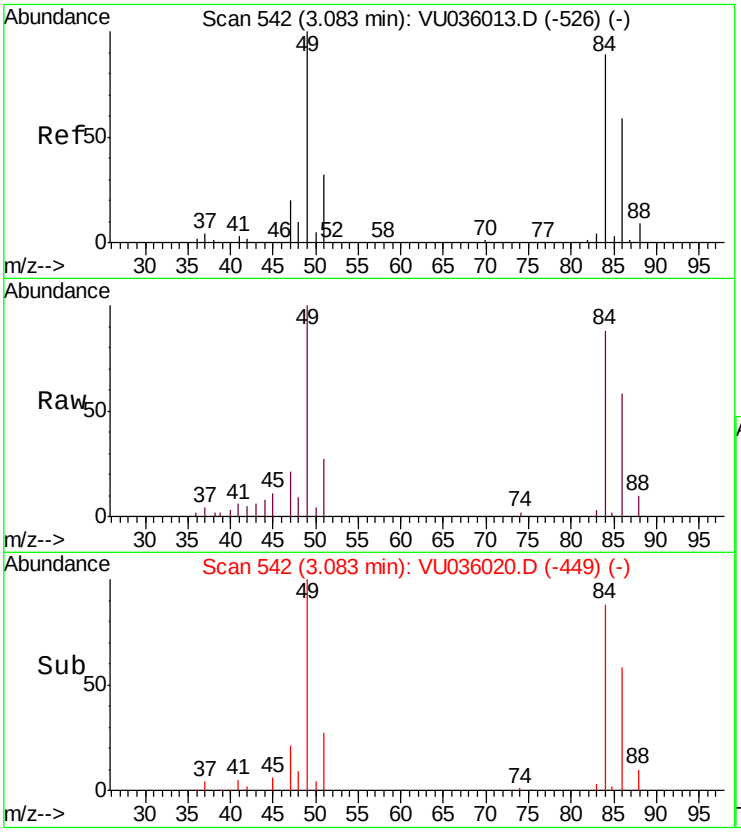


#15
Methyl Acetate
Concen: 0.513 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 43 Resp: 4712

Ion	Ratio	Lower	Upper
43	100		
74	17.7	20.0	30.0#



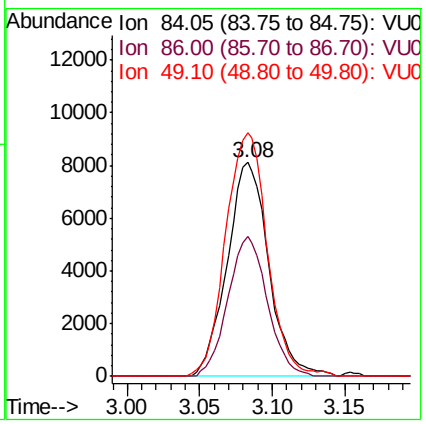


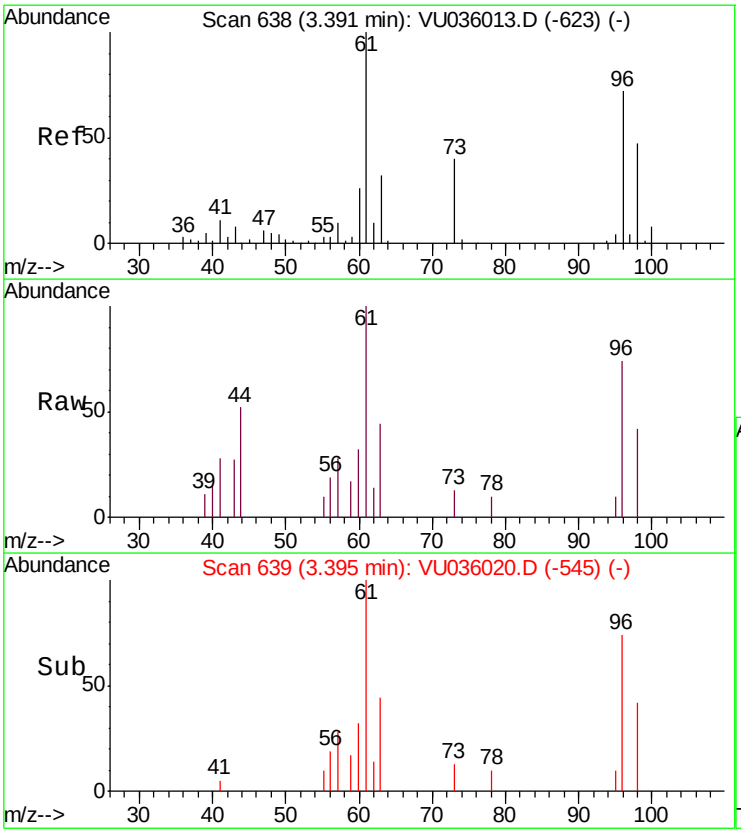
#16
Methylene chloride
Concen: 0.519 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion: 84 Resp: 16198

Ion	Ratio	Lower	Upper
84	100		
86	65.4	44.7	82.9
49	113.8	86.2	160.2

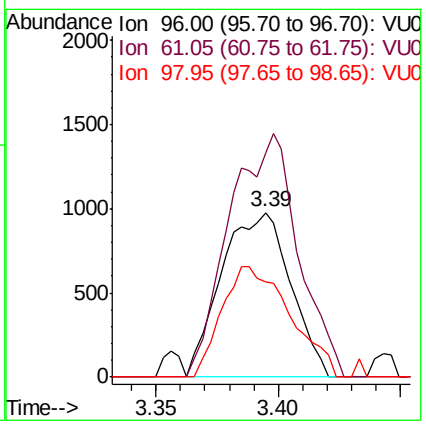


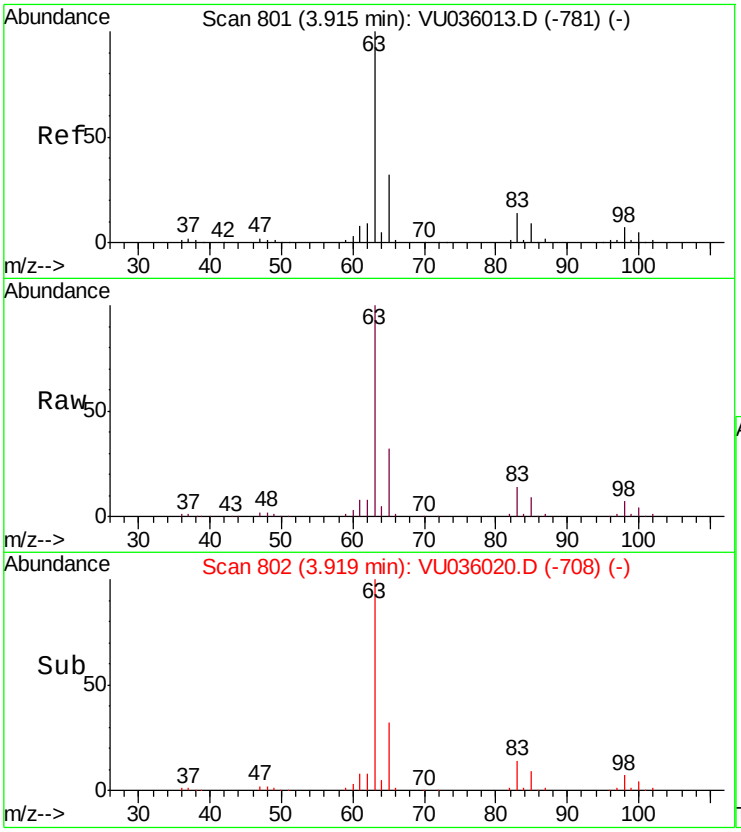


#18
trans-1,2-Dichloroethene
Concen: 0.090 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 96 Resp: 1920

Ion	Ratio	Lower	Upper
96	100		
61	136.0	101.2	187.8
98	57.5	45.0	83.6



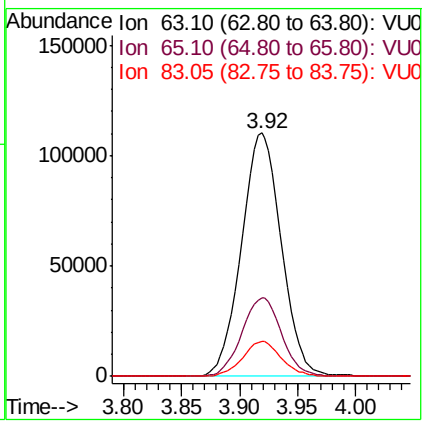


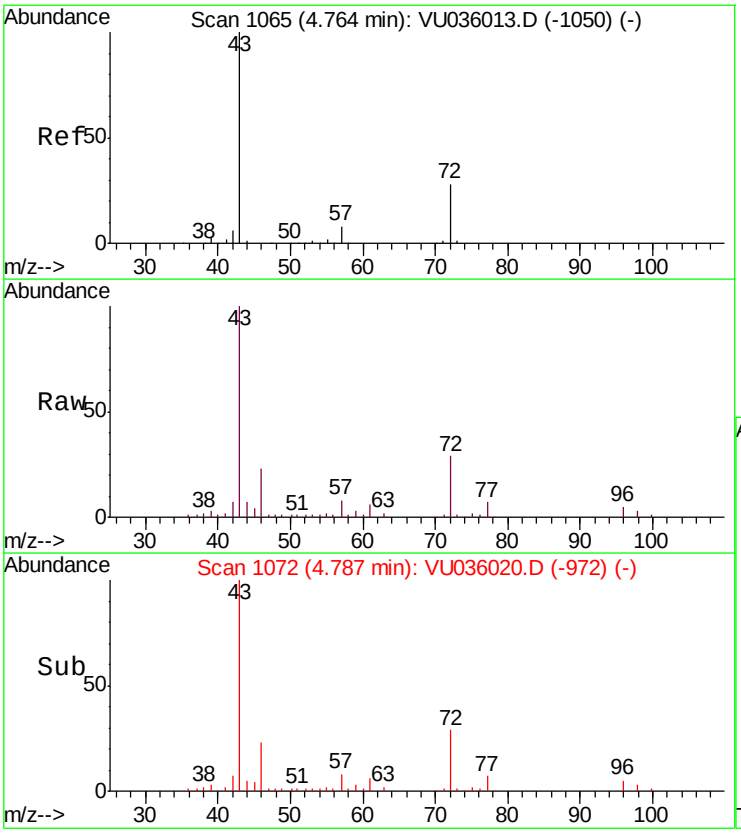
#19
1,1-Dichloroethane
Concen: 6.338 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument : MSVOA_U
ClientSampleId : BFQW3

Tgt Ion: 63 Resp: 264090

Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.4	41.6
83	14.5	9.8	18.2

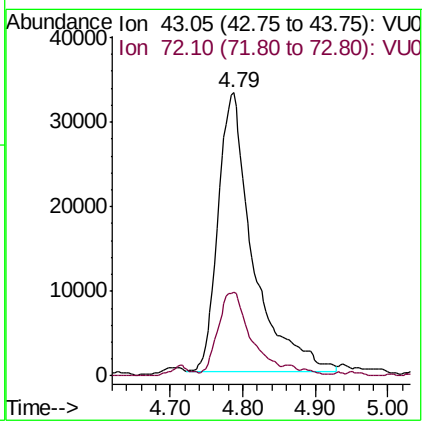


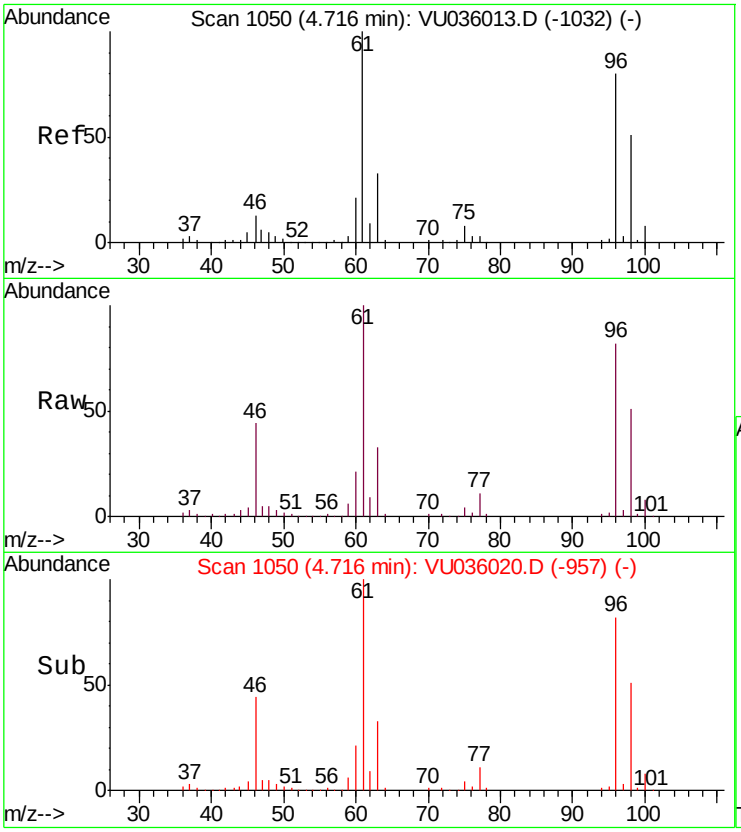


#21
2-Butanone
Concen: 16.792 ug/L
RT: 4.79 min Scan# 1072
Delta R.T. 0.02 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 43 Resp: 110502

Ion	Ratio	Lower	Upper
43	100		
72	27.6	12.6	37.8



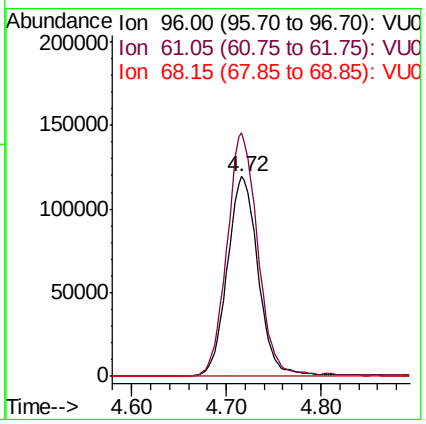


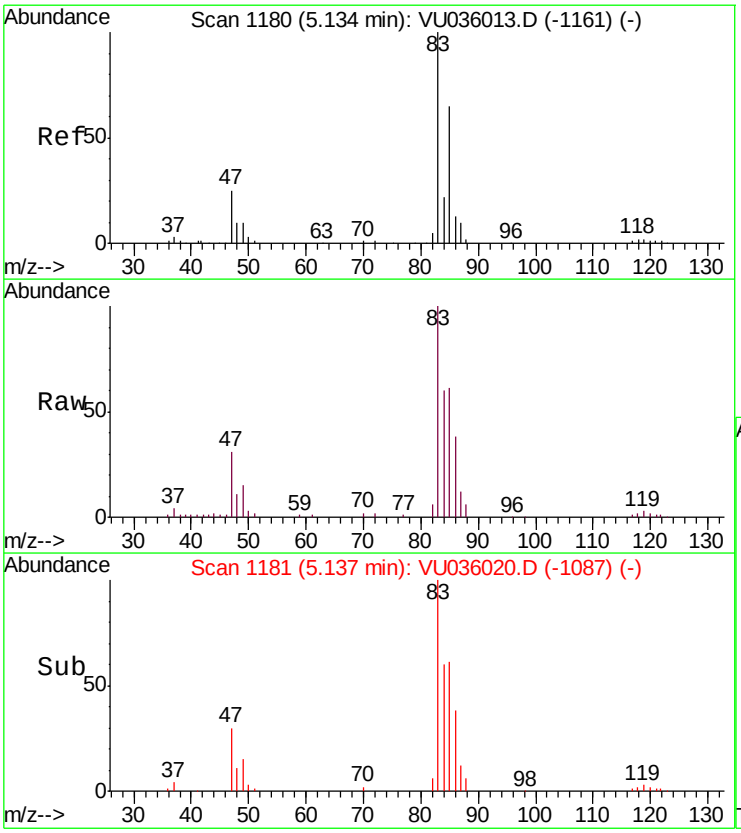
#22
cis-1,2-Dichloroethene
Concen: 12.047 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion: 96 Resp: 271292

Ion	Ratio	Lower	Upper
96	100		
61	122.0	95.7	177.7
68	0.0	0.0	0.0

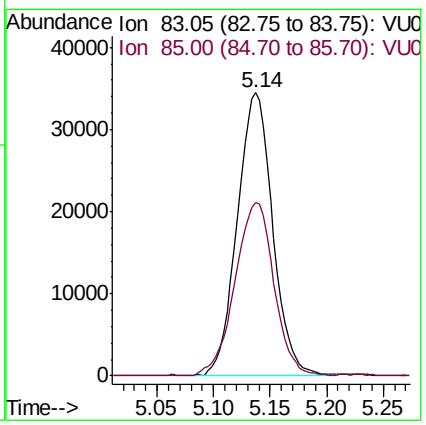


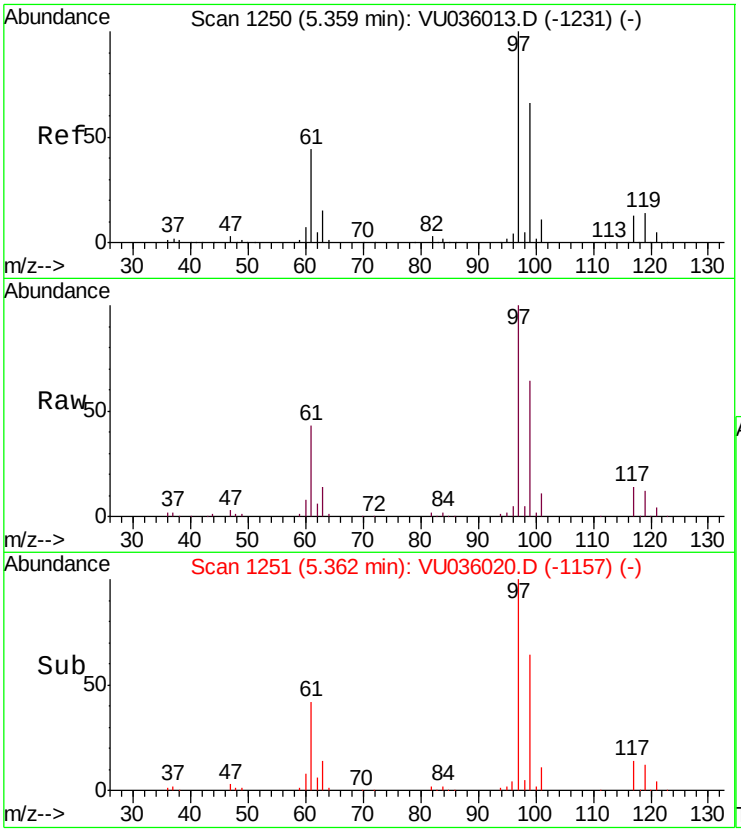


#25
Chloroform
Concen: 1.792 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 83 Resp: 75325

Ion	Ratio	Lower	Upper
83	100		
85	61.4	45.4	84.2



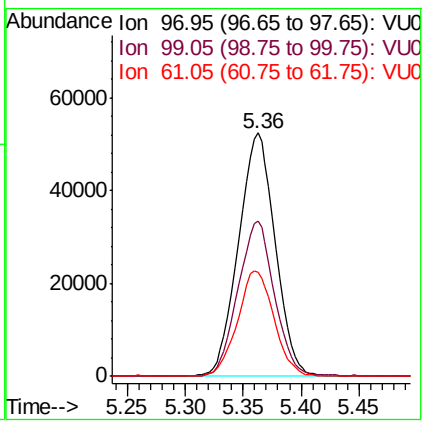


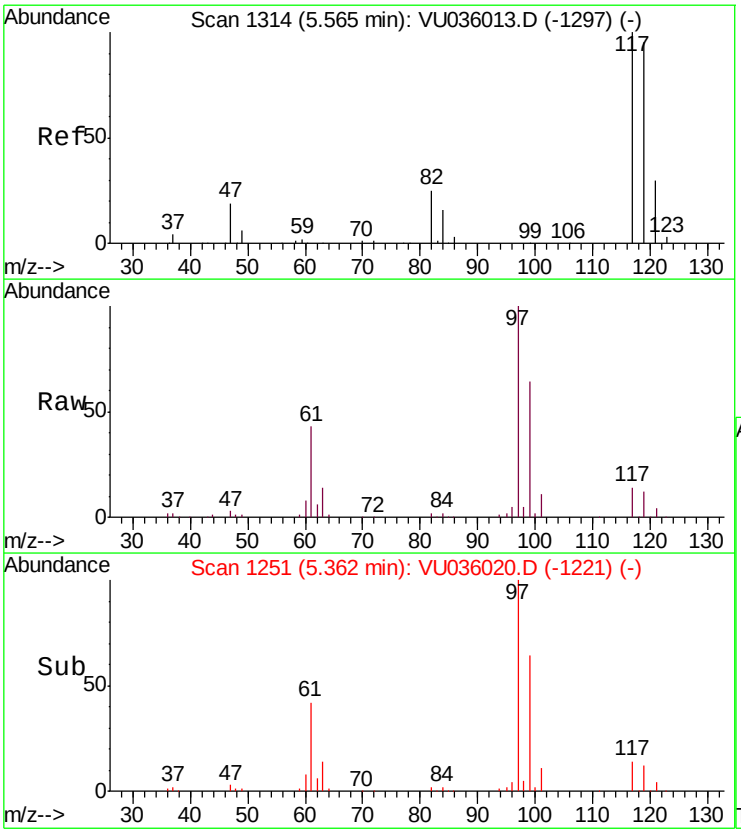
#29
1,1,1-Trichloroethane
Concen: 3.255 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument : MSVOA_U
ClientSampleId : BFQW3

Tgt Ion: 97 Resp: 115408

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.8
61	43.2	37.6	56.4

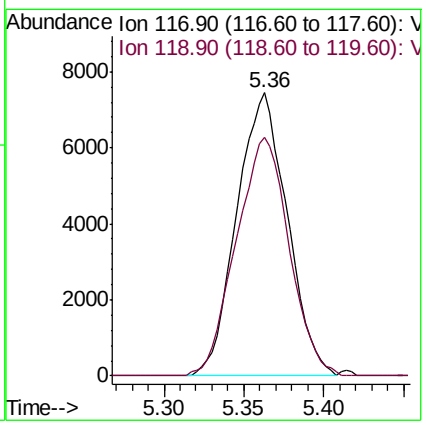


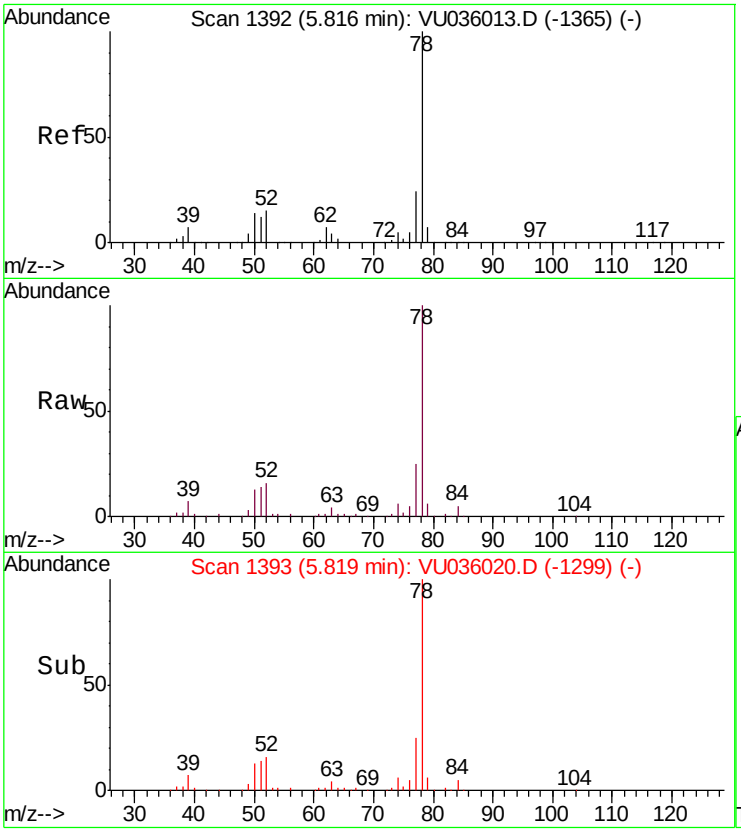


#31
Carbon tetrachloride
Concen: 0.513 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.20 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion:117 Resp: 16130

Ion	Ratio	Lower	Upper
117	100		
119	88.2	76.9	115.3

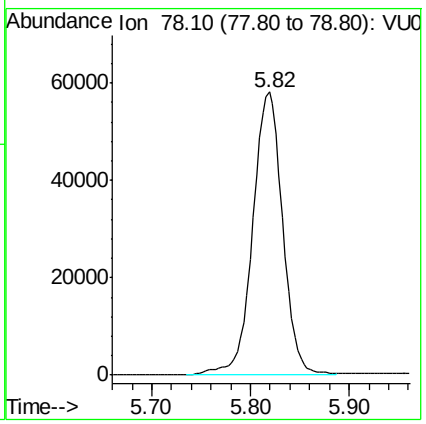


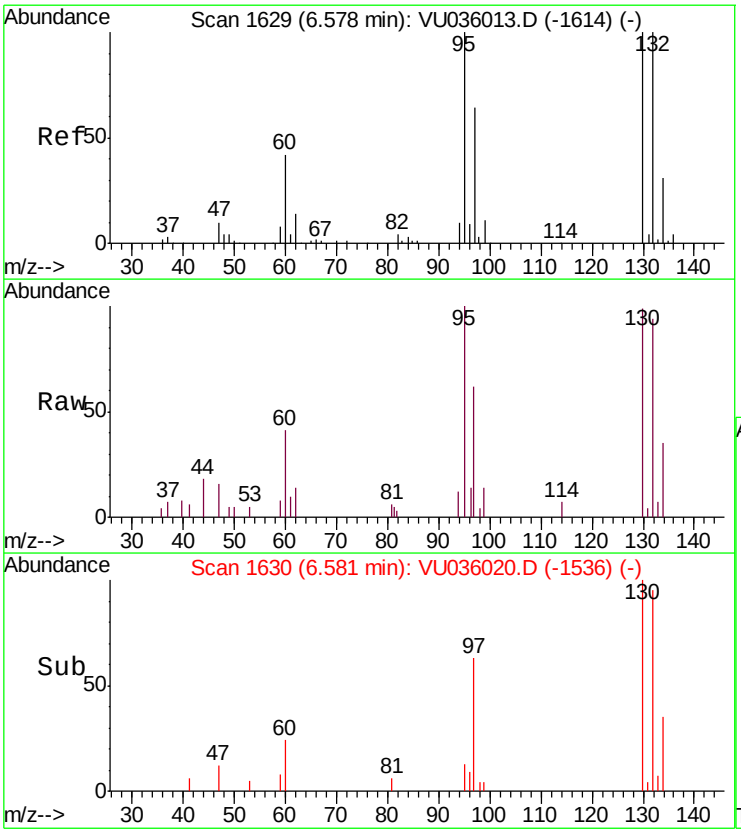


#33
Benzene
Concen: 1.319 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion: 78 Resp: 121593

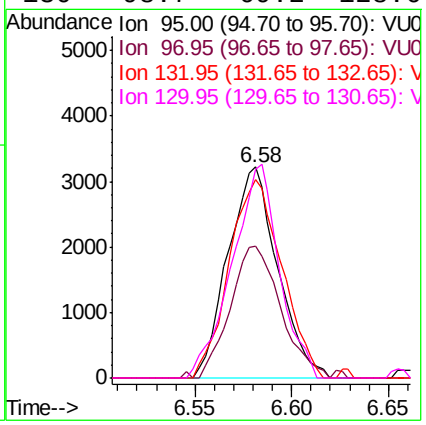


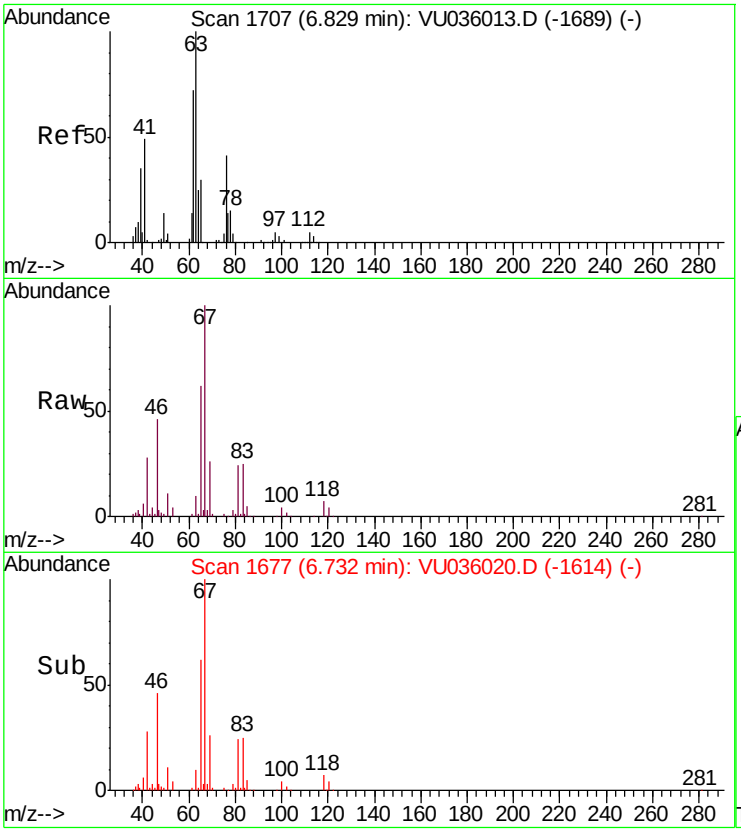


#34
Trichloroethene
Concen: 0.246 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 95 Resp: 5744

Ion	Ratio	Lower	Upper
95	100		
97	62.2	46.3	85.9
132	93.8	65.7	122.1
130	98.7	69.2	128.6



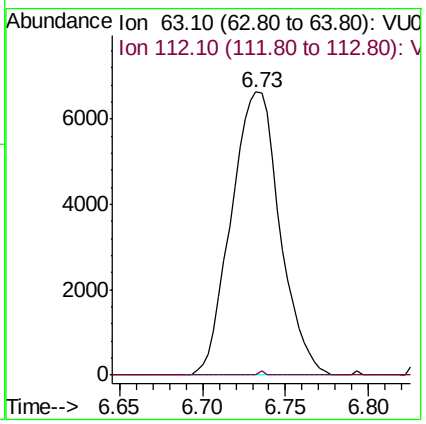


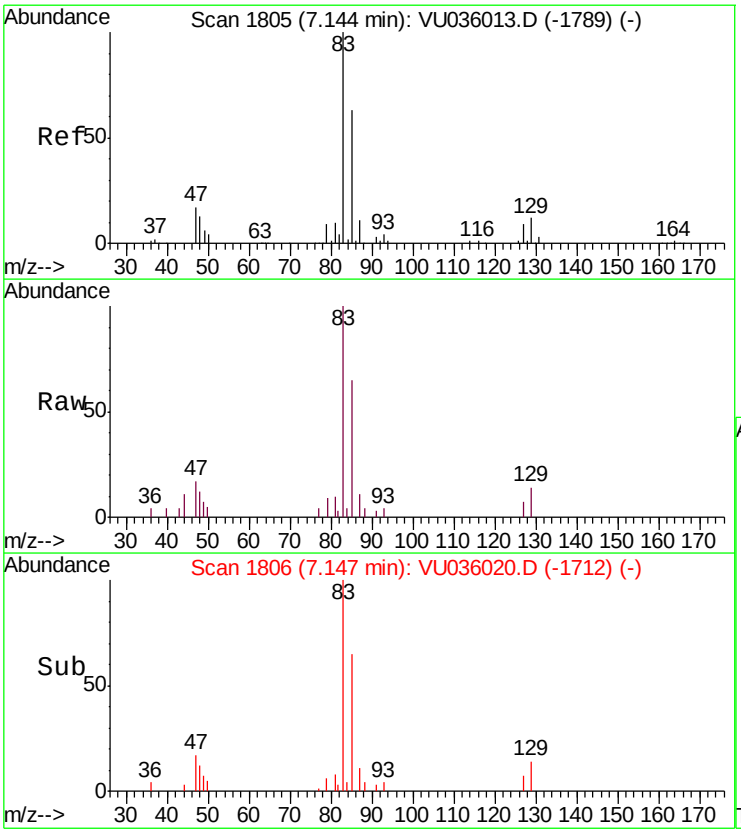
#37
1,2-Dichloropropane
Concen: 0.543 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument : MSVOA_U
ClientSampleId : BFQW3

Tgt Ion: 63 Resp: 13553

Ion	Ratio	Lower	Upper
63	100		
112	0.2	3.3	4.9#

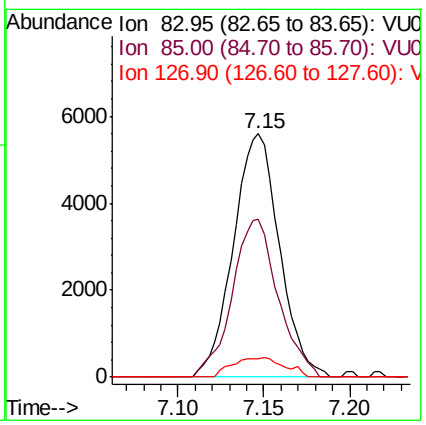


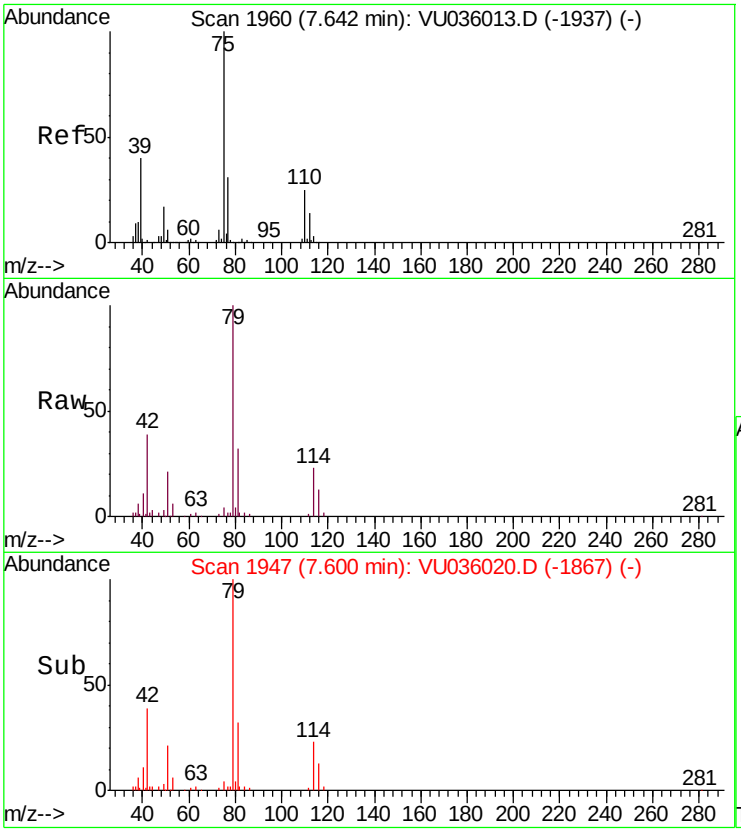


#38
Bromodichloromethane
Concen: 0.348 ug/L
RT: 7.15 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 83 Resp: 10402

Ion	Ratio	Lower	Upper
83	100		
85	64.9	44.0	81.8
127	7.3	6.5	9.7



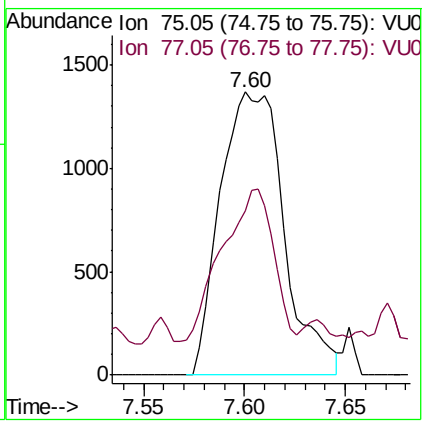


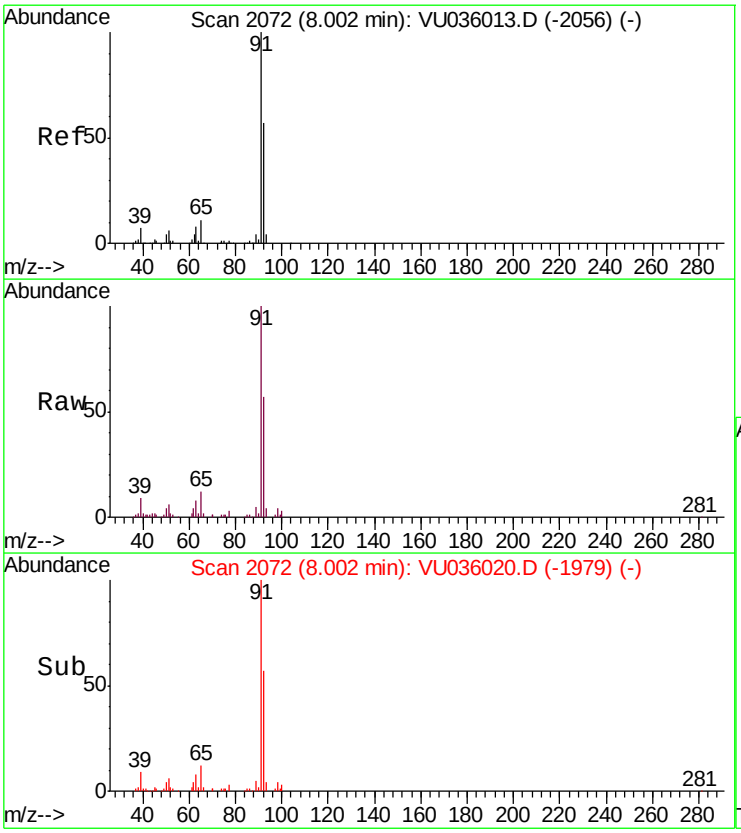
#39
cis-1,3-Dichloropropene
Concen: 0.092 ug/L
RT: 7.60 min Scan# 1947
Delta R.T. -0.04 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion: 75 Resp: 3032

Ion	Ratio	Lower	Upper
75	100		
77	57.9	21.9	40.7#

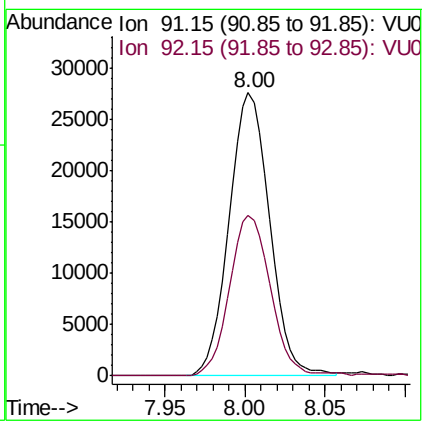


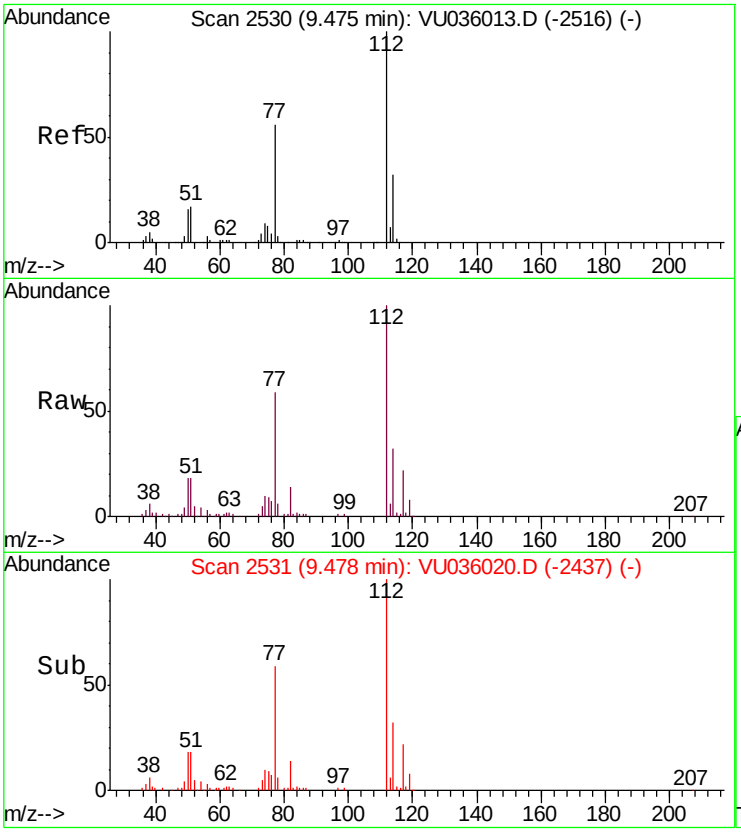


#42
Toluene
Concen: 0.495 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 91 Resp: 47684

Ion	Ratio	Lower	Upper
91	100		
92	56.8	39.8	74.0



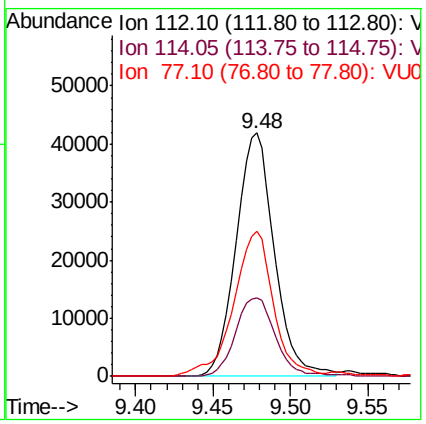


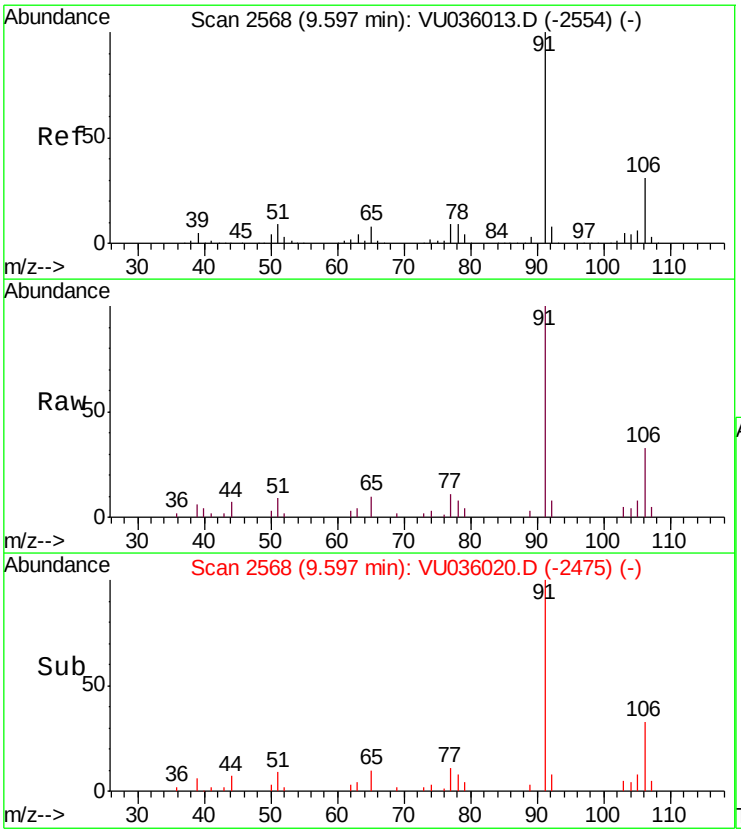
#51
Chlorobenzene
Concen: 1.199 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument : MSVOA_U
ClientSampleId : BFQW3

Tgt Ion:112 Resp: 72104

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.7
77	59.3	47.7	71.5

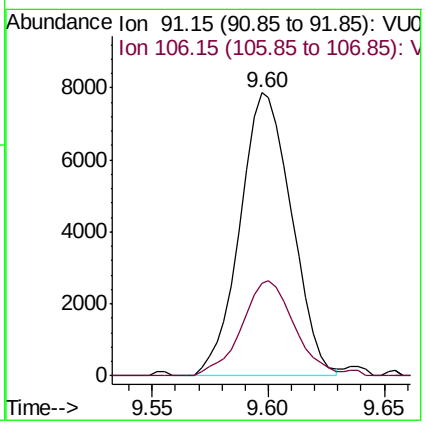


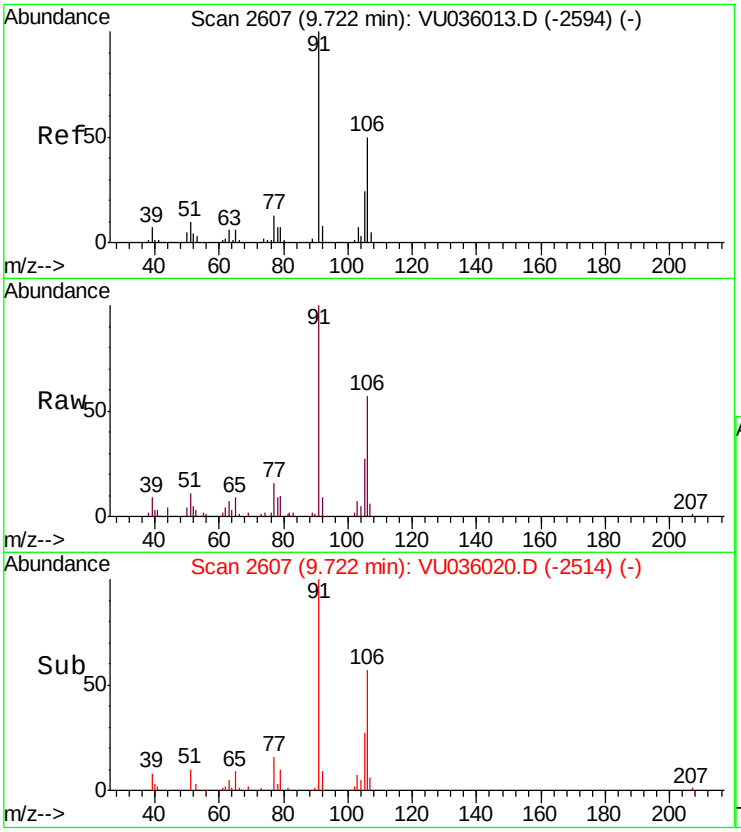


#52
Ethylbenzene
Concen: 0.125 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 91 Resp: 12194

Ion	Ratio	Lower	Upper
91	100		
106	32.7	21.1	39.3



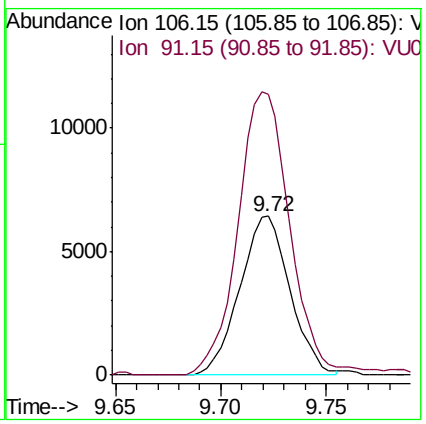


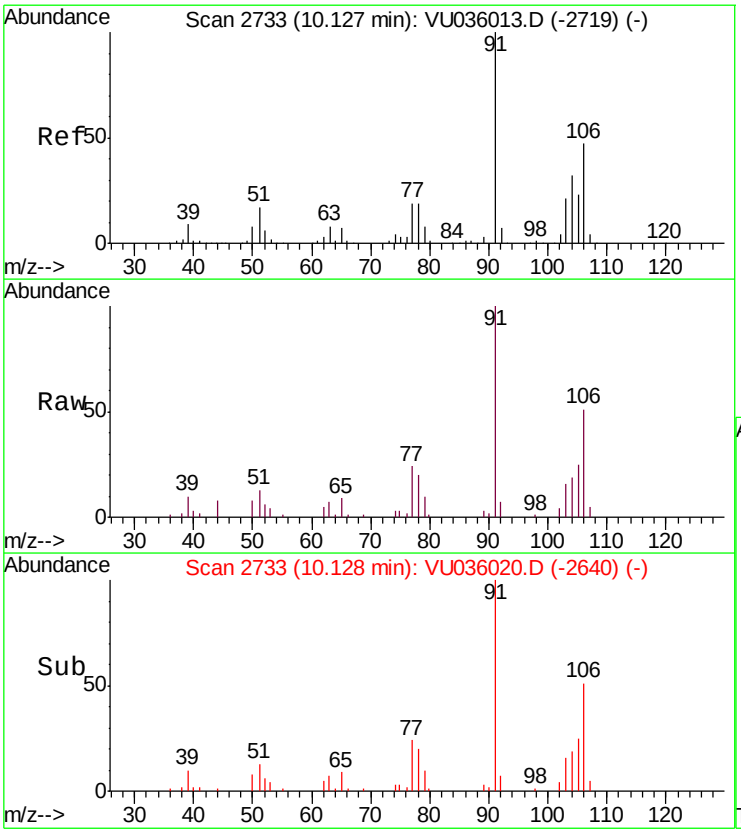
#53
m,p-Xylene
Concen: 0.290 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion:106 Resp: 10641

Ion	Ratio	Lower	Upper
106	100		
91	177.0	138.9	257.9

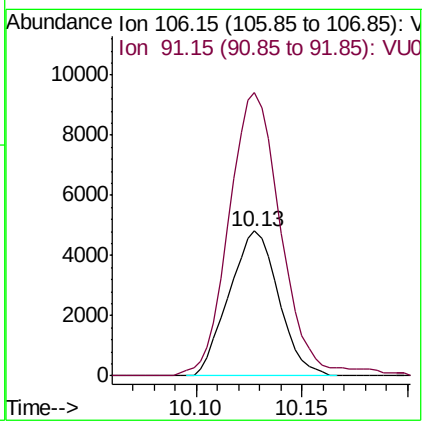


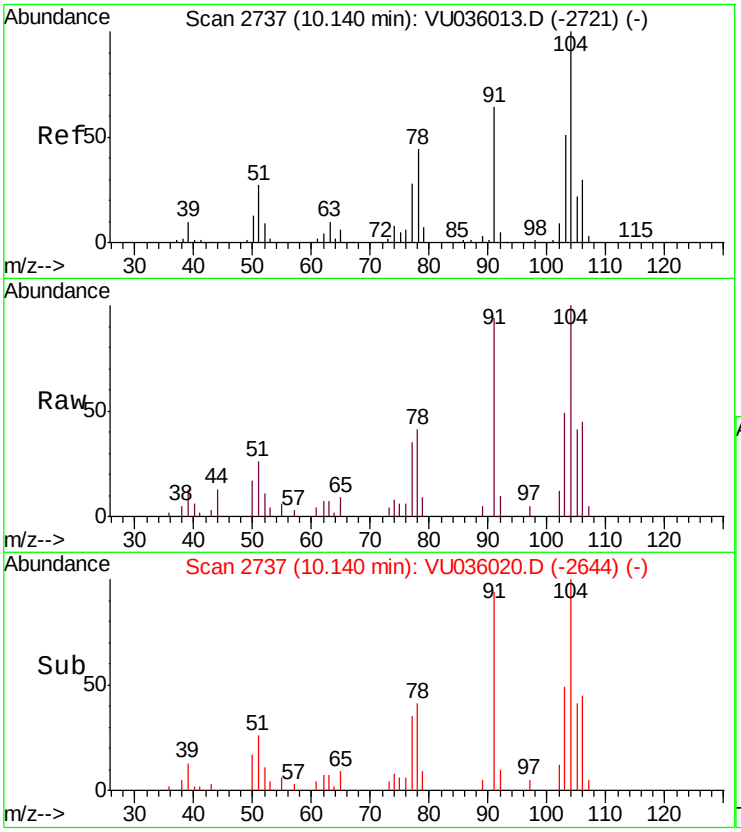


#54
o-Xylene
Concen: 0.227 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion:106 Resp: 7835

Ion	Ratio	Lower	Upper
106	100		
91	195.8	155.3	288.3



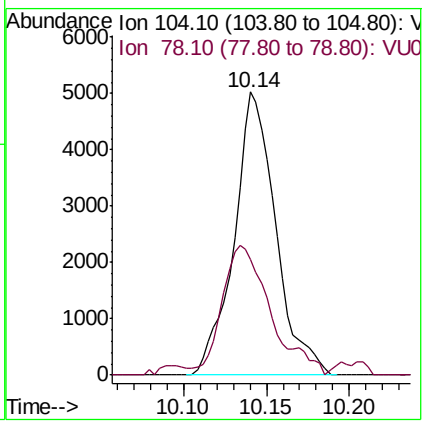


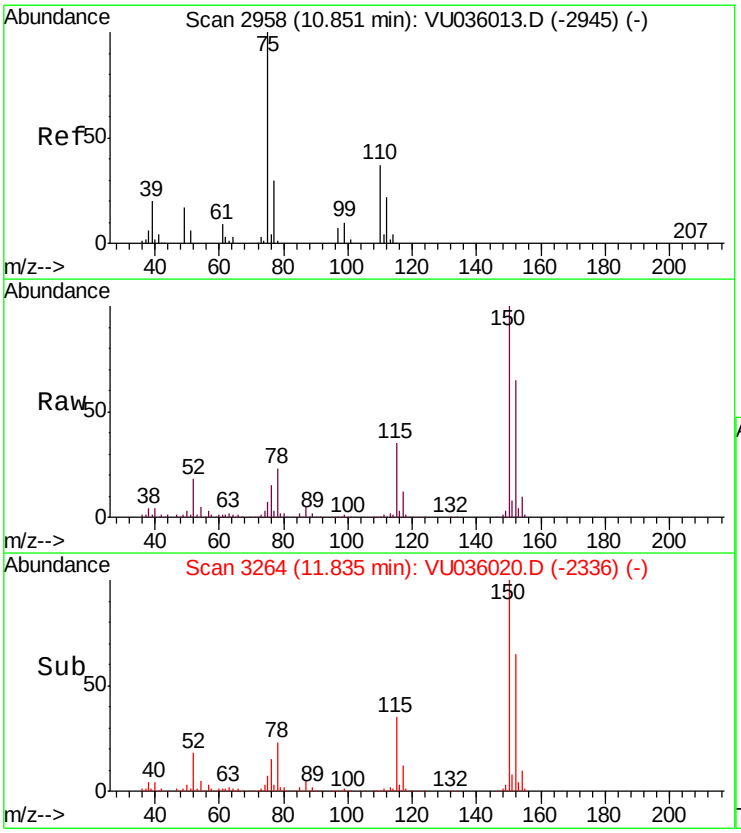
#55
Styrene
Concen: 0.152 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument : MSVOA_U
ClientSampleId : BFQW3

Tgt Ion:104 Resp: 8805

Ion	Ratio	Lower	Upper
104	100		
78	40.9	31.2	58.0

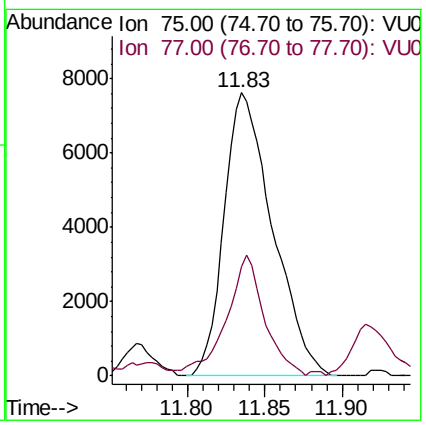


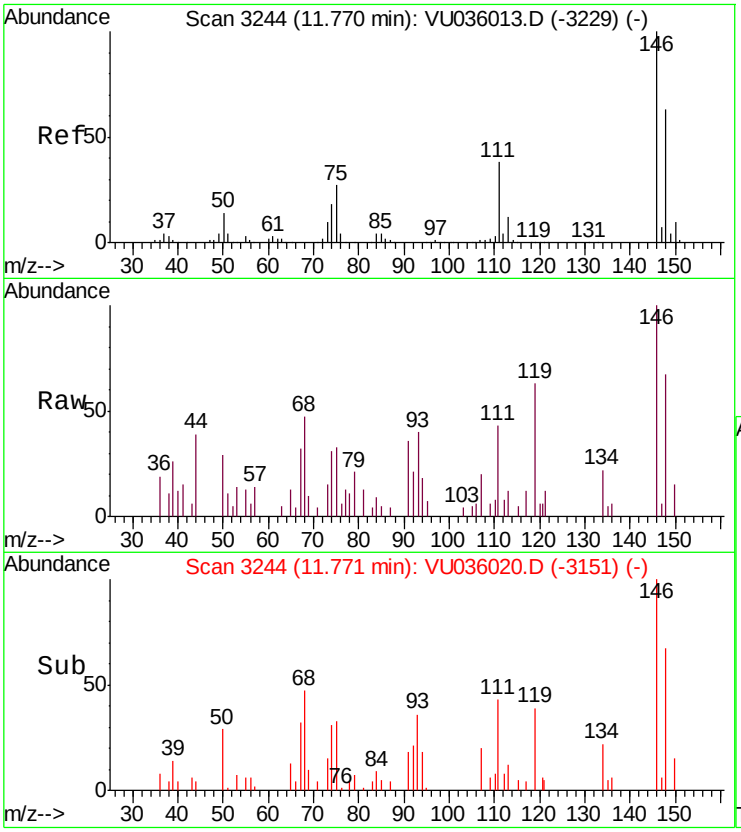


#59
1,2,3-Trichloropropane
Concen: 1.022 ug/L
RT: 11.83 min Scan# 3264
Delta R.T. 0.98 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion: 75 Resp: 16585

Ion	Ratio	Lower	Upper
75	100		
77	33.7	26.6	39.8



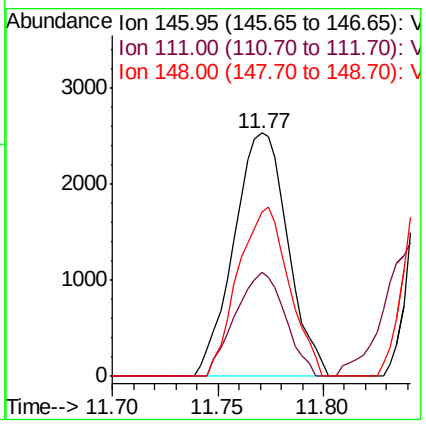


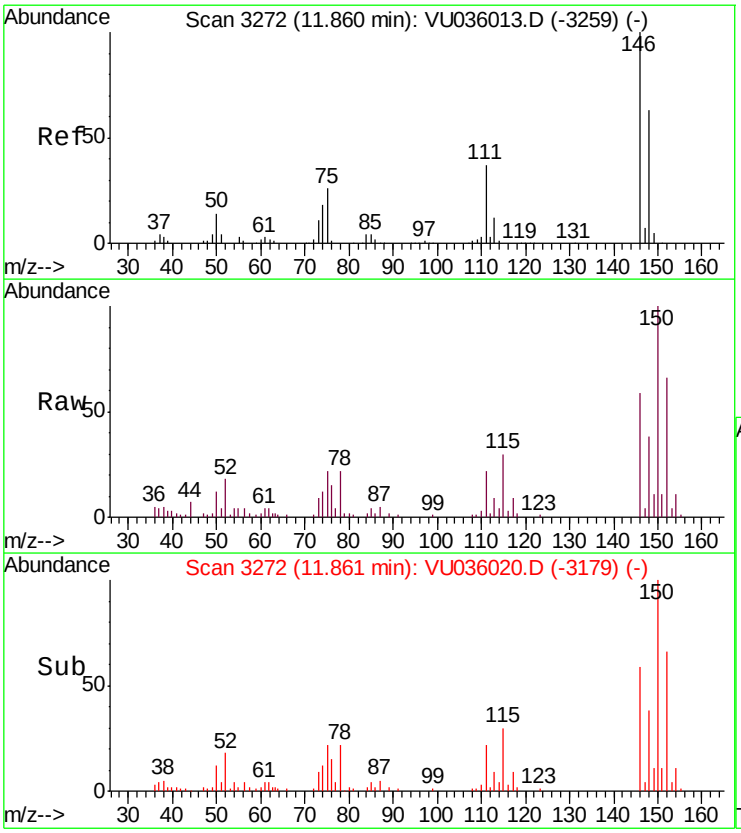
#62
1,3-Dichlorobenzene
Concen: 0.109 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
BFQW3

Tgt Ion:146 Resp: 4511

Ion	Ratio	Lower	Upper
146	100		
111	42.6	27.6	51.4
148	67.4	43.4	80.6

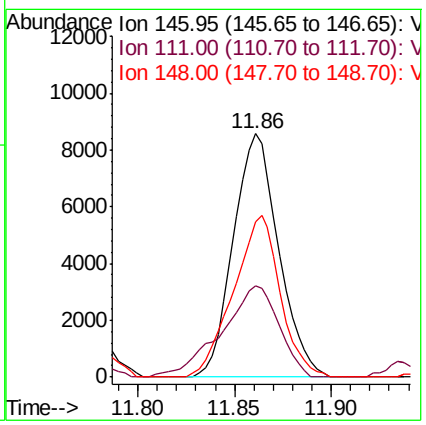


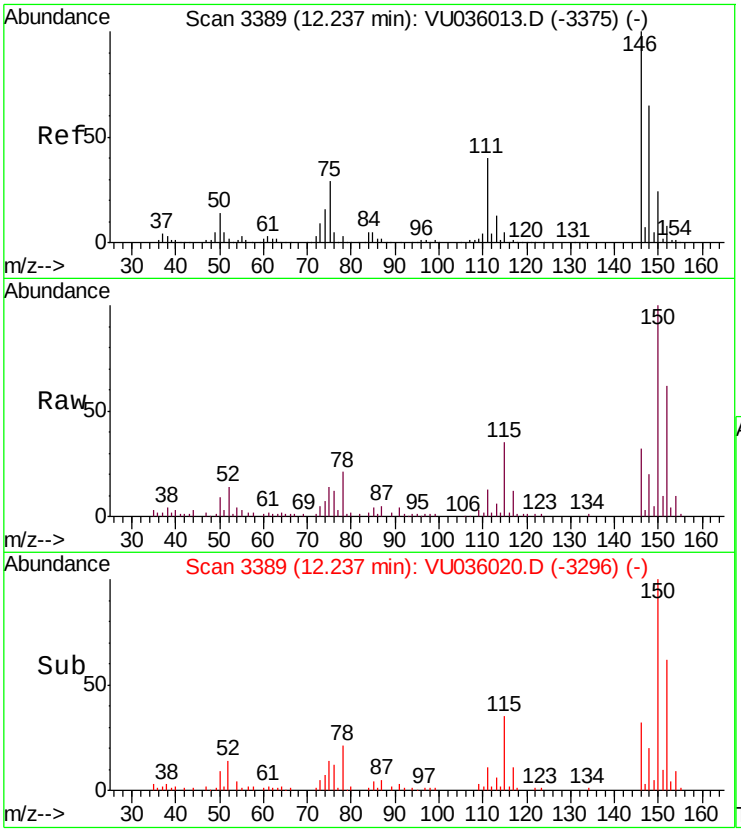


#63
1,4-Dichlorobenzene
Concen: 0.339 ug/L
RT: 11.86 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion:146 Resp: 13943

Ion	Ratio	Lower	Upper
146	100		
111	37.7	28.5	52.9
148	63.6	44.4	82.5



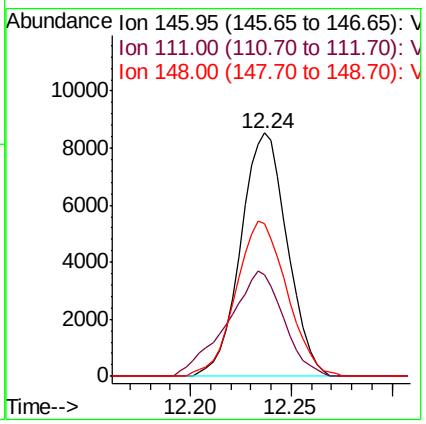


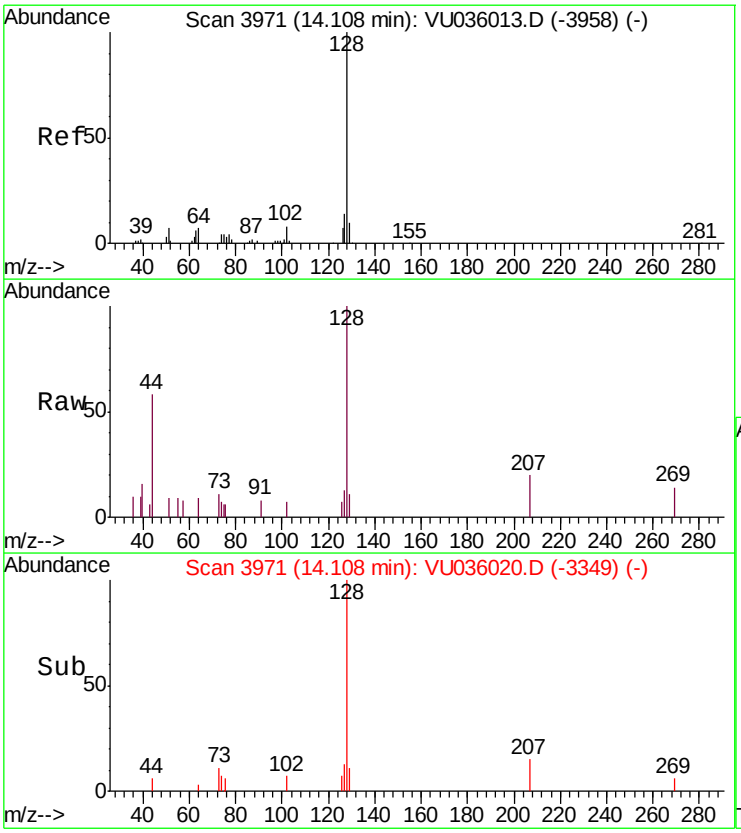
#65
1,2-Dichlorobenzene
Concen: 0.348 ug/L
RT: 12.24 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Instrument : MSVOA_U
ClientSampleId : BFQW3

Tgt Ion:146 Resp: 13761

Ion	Ratio	Lower	Upper
146	100		
111	41.9	32.6	48.8
148	62.7	50.9	76.3





#69
Naphthalene
Concen: 0.152 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. 0.00 min
Lab File: VU036020.D
Acq: 06 Dec 2019 13:36

Tgt Ion:128 Resp: 2620

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	13.4	10.6	15.8