Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\

Quantitation Report (Not Reviewed)

Data File : VU036292.D
Acq On : 19 Dec 2019 18:57
Operator : JC/MD
Sample : K6282-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW7

Quant Time: Dec 20 03:18:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	216481	5.00	ug/L	0.01
28) Chlorobenzene-d5	9.45	117	248002	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114448	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	116469	6.11	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 122.20%			
7) Chloroethane-d5	1.93	69	98037	5.74	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 114.80%			
11) 1,1-Dichloroethene-d2	2.59	63	142513	5.18	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 103.60%			
20) 2-Butanone-d5	4.77	46	148443	41.56	ug/L	0.08
Spiked Amount 50.000	Range 40 - 130		Recovery = 83.12%			
24) Chloroform-d	5.12	84	155010	5.06	ug/L	0.01
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.20%			
26) 1,2-Dichloroethane-d4	5.77	65	76397	4.75	ug/L	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.00%			
32) Benzene-d6	5.78	84	285797	4.59	ug/L	0.02
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.80%			
36) 1,2-Dichloropropane-d6	6.74	67	88582	4.51	ug/L	0.01
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.20%			
41) Toluene-d8	7.93	98	232368	3.96	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.20%			
43) trans-1,3-Dichloropropene-	8.22	79	37326	4.62	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.40%			
46) 2-Hexanone-d5	8.69	63	147311	47.67	ug/L	0.02
Spiked Amount 50.000	Range 45 - 130		Recovery = 95.34%			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	82618	4.60	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.00%			
64) 1,2-Dichlorobenzene-d4	12.21	152	97588	4.45	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 89.00%			
Target Compounds						Qvalue
5) Vinyl chloride	1.61	62	3575	0.124	ug/L #	23
9) Trichlorofluoromethane	2.16	101	6933	0.191	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1963	0.113	ug/L #	20
12) 1,1-Dichloroethene	2.60	96	10723	0.668	ug/L #	1
17) Methyl tert-butyl Ether	3.43	73	41522	1.206	ug/L	97
18) trans-1,2-Dichloroethene	3.38	96	10615	0.631	ug/L	97
19) 1,1-Dichloroethane	3.92	63	6848	0.221	ug/L #	87
22) cis-1,2-Dichloroethene	4.72	96	293337	16.258	ug/L	96
34) Trichloroethene	6.59	95	994147	50.593	ug/L	98
35) Methylcyclohexane	6.74	83	20949	0.750	ug/L #	18
42) Toluene	8.01	91	686699	8.406	ug/L	96
47) Tetrachloroethene	8.58	164	2552	0.144	ug/L	92
48) 2-Hexanone	8.74	43	8609	1.134	ug/L #	80
49) Dibromochloromethane	8.58	129	2630	0.146	ug/L #	12
59) 1,2,3-Trichloropropane	11.83	75	15906	1.231	ug/L	90
62) 1,3-Dichlorobenzene	11.86	146	13913	0.360	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	13913	0.363	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\

Quantitation Report (Not Reviewed)

Data File : VU036292.D
Acq On : 19 Dec 2019 18:57
Operator : JC/MD
Sample : K6282-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW7

Quant Time: Dec 20 03:18:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.23	146	8492	0.231	ug/L	96
69) Naphthalene	14.10	128	15763	0.652	ug/L	98

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

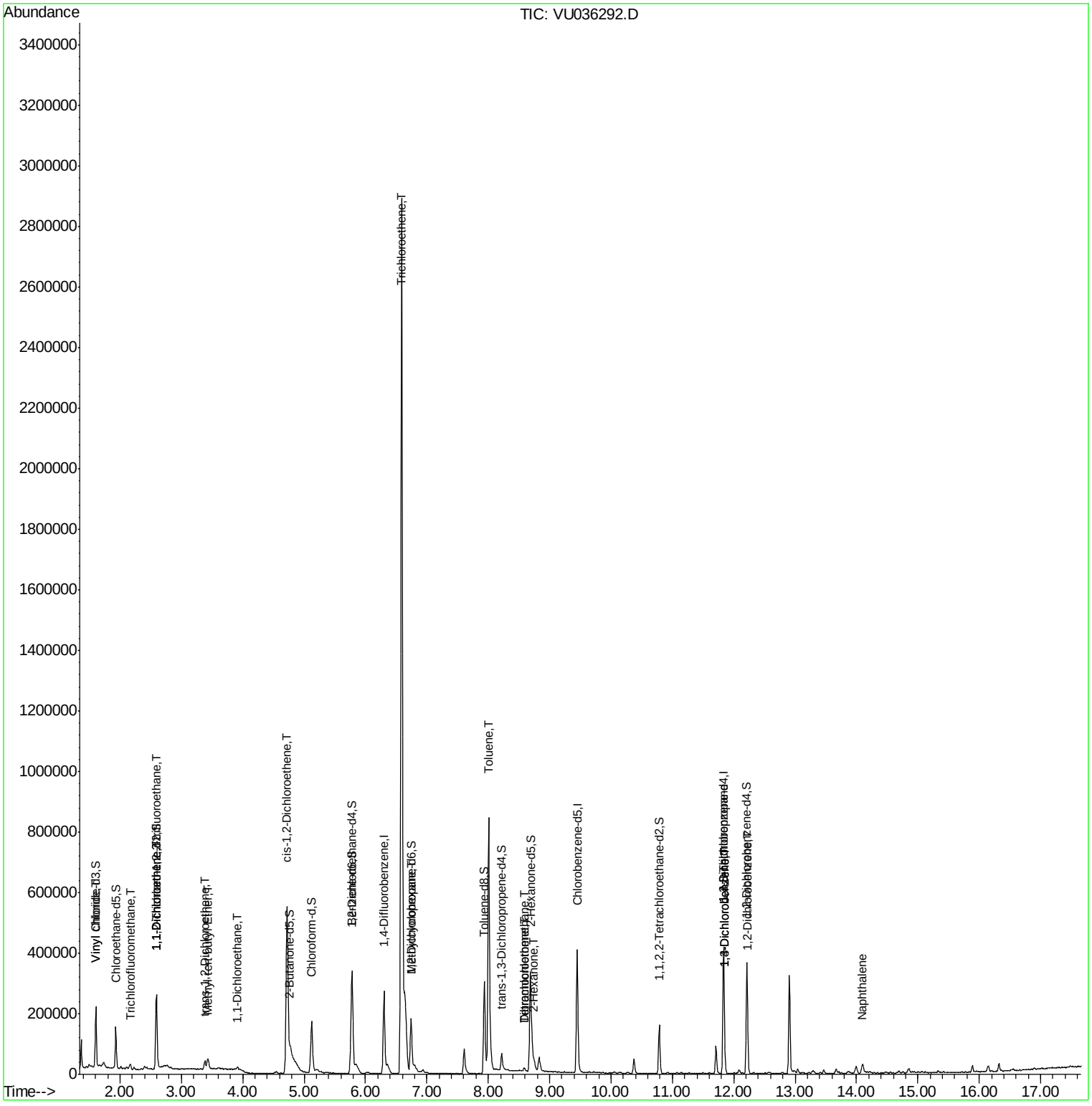
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\

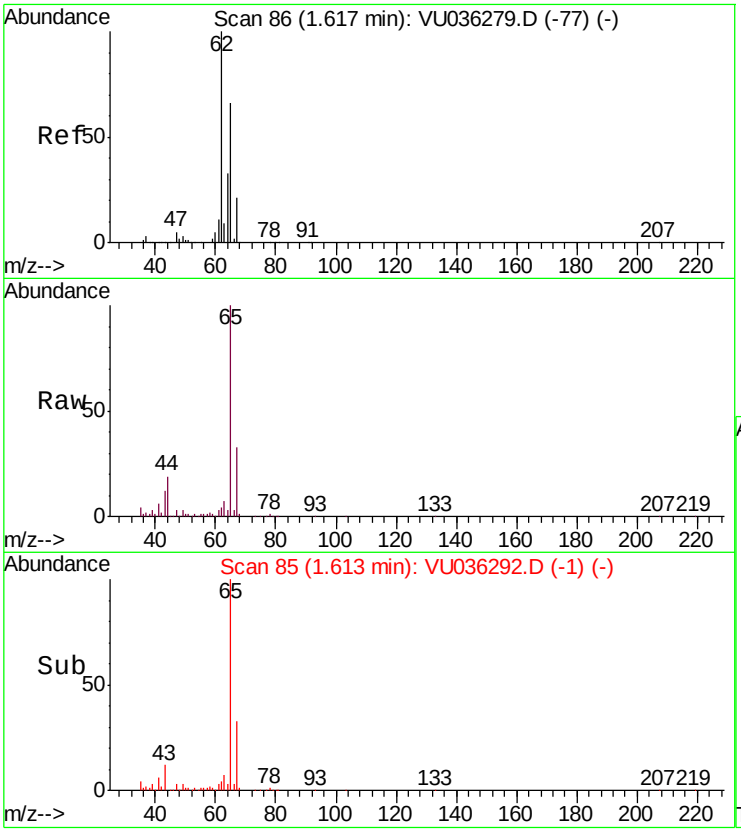
Quantitation Report (Not Reviewed)

Data File : VU036292.D
Acq On : 19 Dec 2019 18:57
Operator : JC/MD
Sample : K6282-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Quant Time: Dec 20 03:18:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration



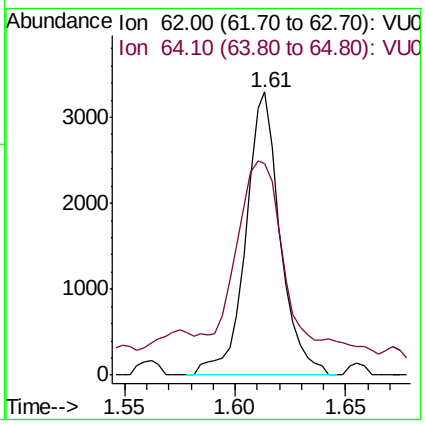


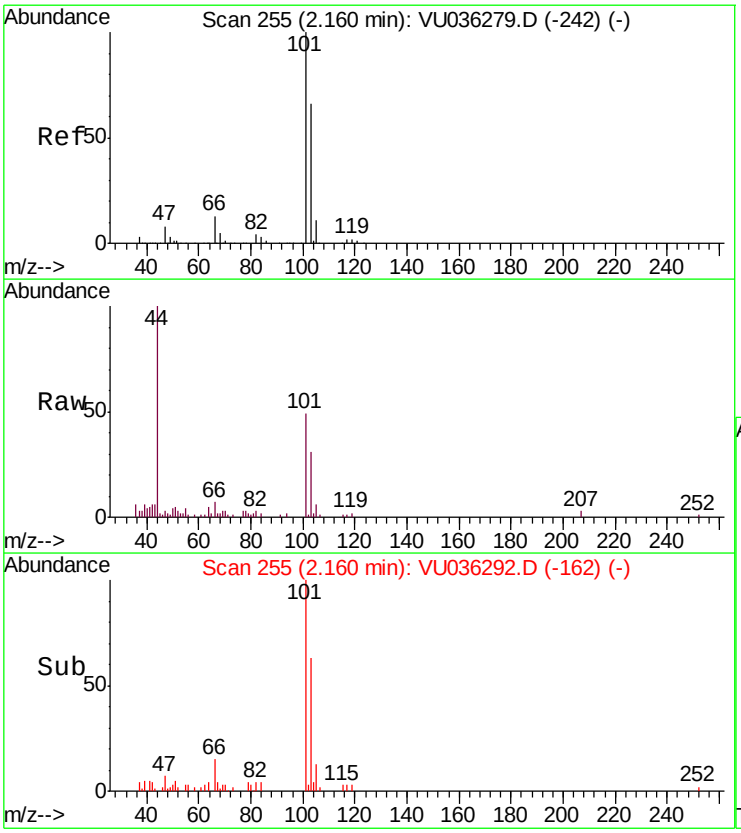
#5
Vinyl chloride
Concen: 0.124 ug/L
RT: 1.61 min Scan# 85
Delta R.T. -0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Tgt Ion: 62 Resp: 3575

Ion	Ratio	Lower	Upper
62	100		
64	74.9	22.4	41.6#

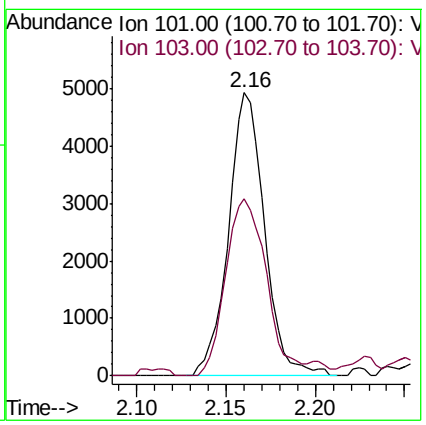


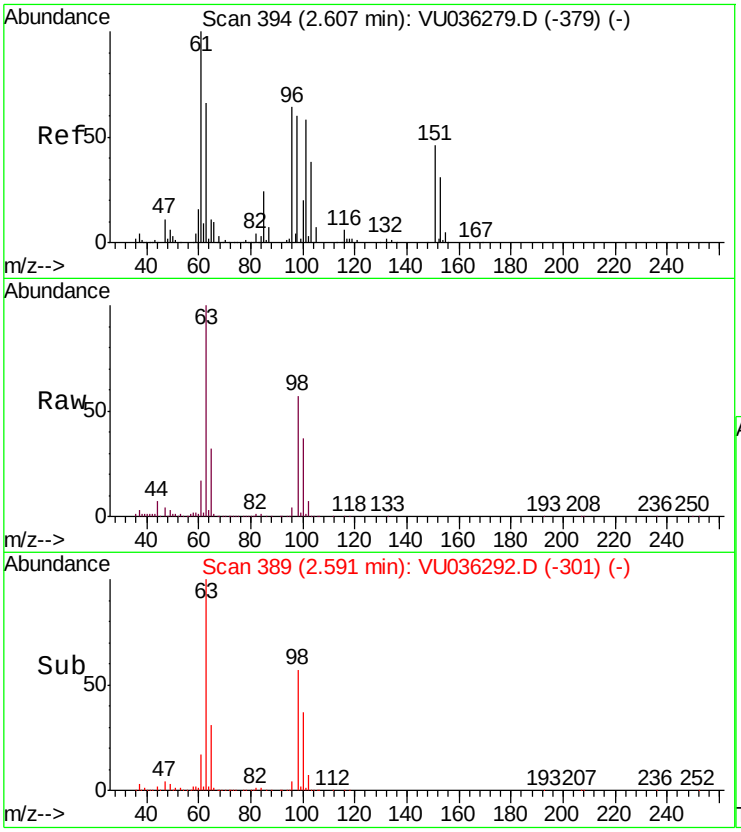


#9
Trichlorofluoromethane
Concen: 0.191 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion:101 Resp: 6933

Ion	Ratio	Lower	Upper
101	100		
103	70.6	50.4	75.6



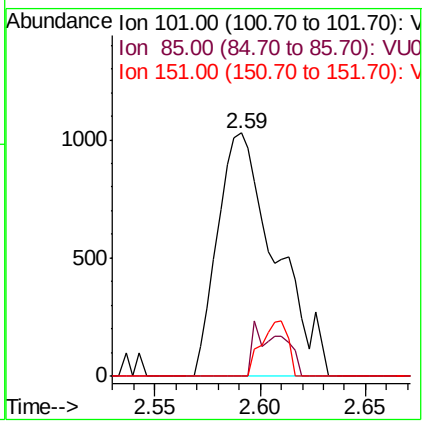


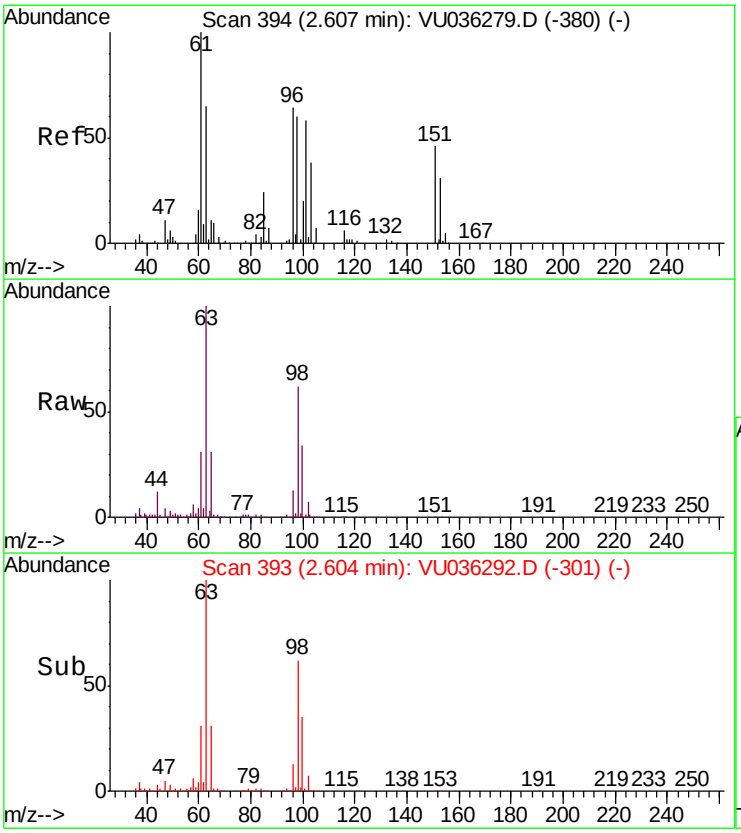
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.113 ug/L
RT: 2.59 min Scan# 389
Delta R.T. -0.02 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Tgt Ion:101 Resp: 1963

Ion	Ratio	Lower	Upper
101	100		
85	5.0	35.0	52.6#
151	0.0	63.9	95.9#

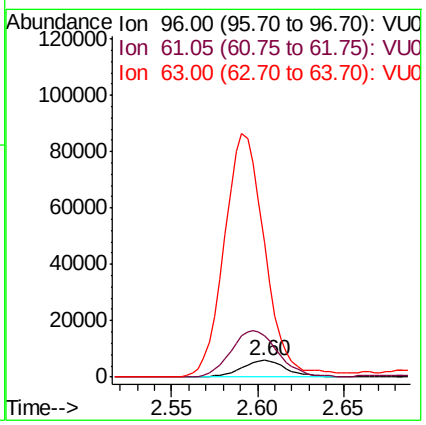


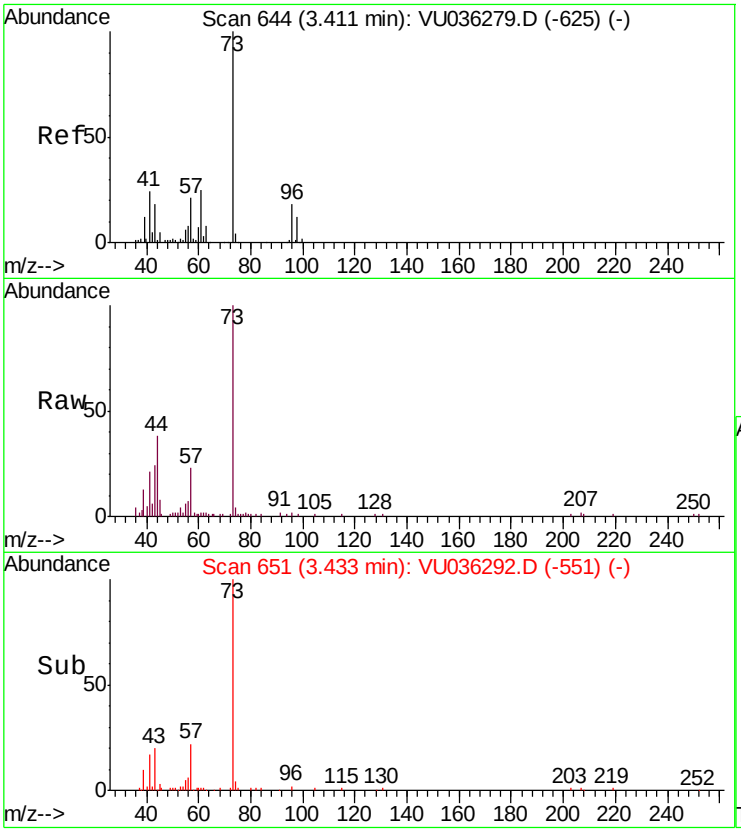


#12
1,1-Dichloroethene
Concen: 0.668 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion: 96 Resp: 10723

Ion	Ratio	Lower	Upper
96	100		
61	245.7	114.0	211.8#
63	793.0	63.6	118.0#



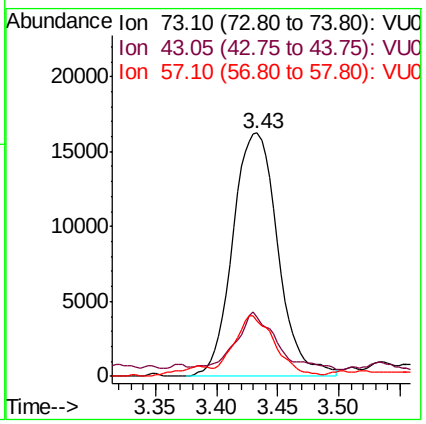


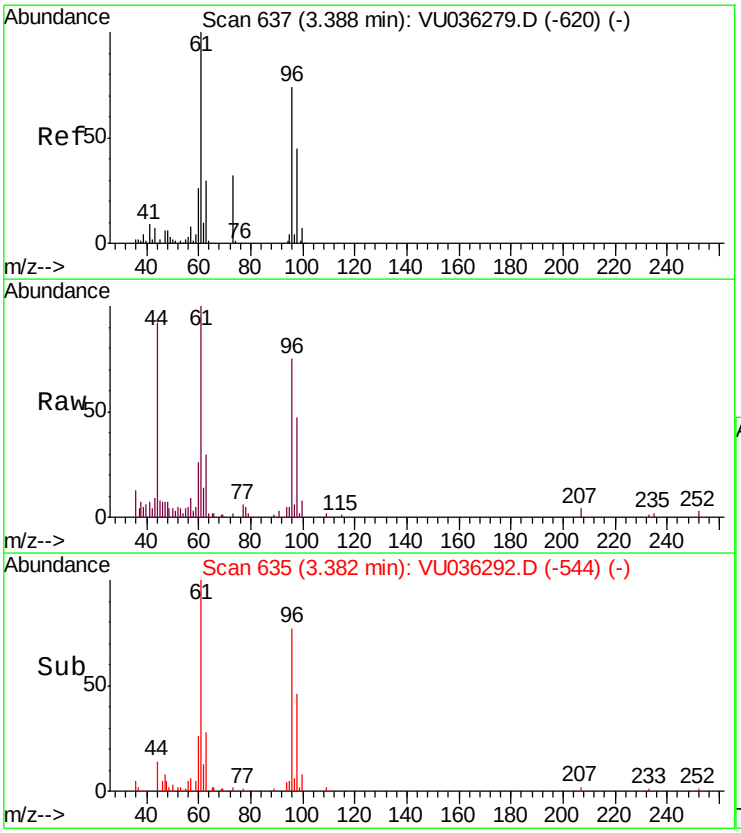
#17
Methyl tert-butyl Ether
Concen: 1.206 ug/L
RT: 3.43 min Scan# 651
Delta R.T. 0.02 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Tgt Ion: 73 Resp: 41522

Ion	Ratio	Lower	Upper
73	100		
43	17.6	15.3	22.9
57	21.4	18.2	27.2

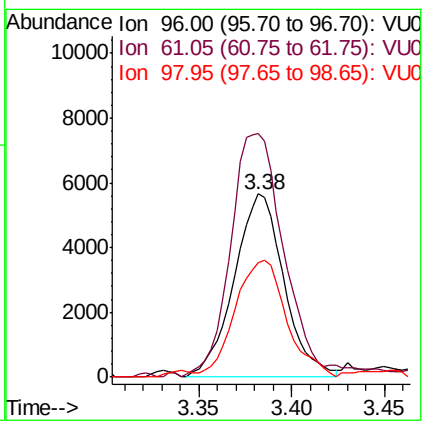


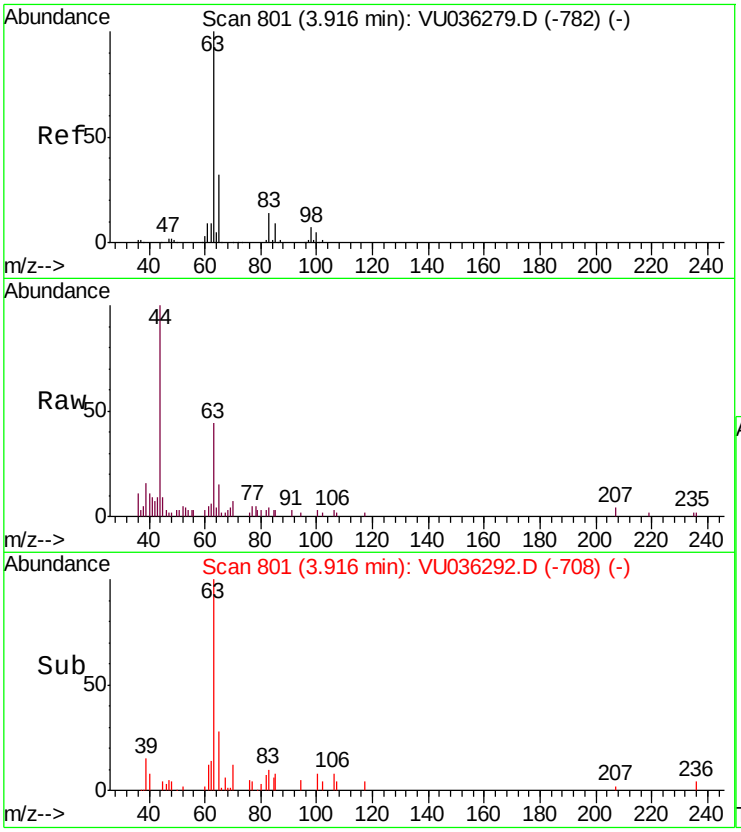


#18
trans-1,2-Dichloroethene
Concen: 0.631 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.01 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion: 96 Resp: 10615

Ion	Ratio	Lower	Upper
96	100		
61	132.8	94.8	176.2
98	62.5	46.8	86.8



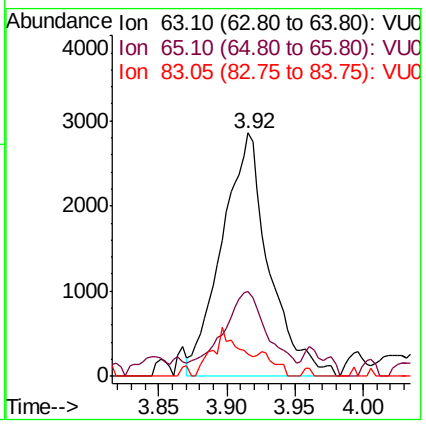


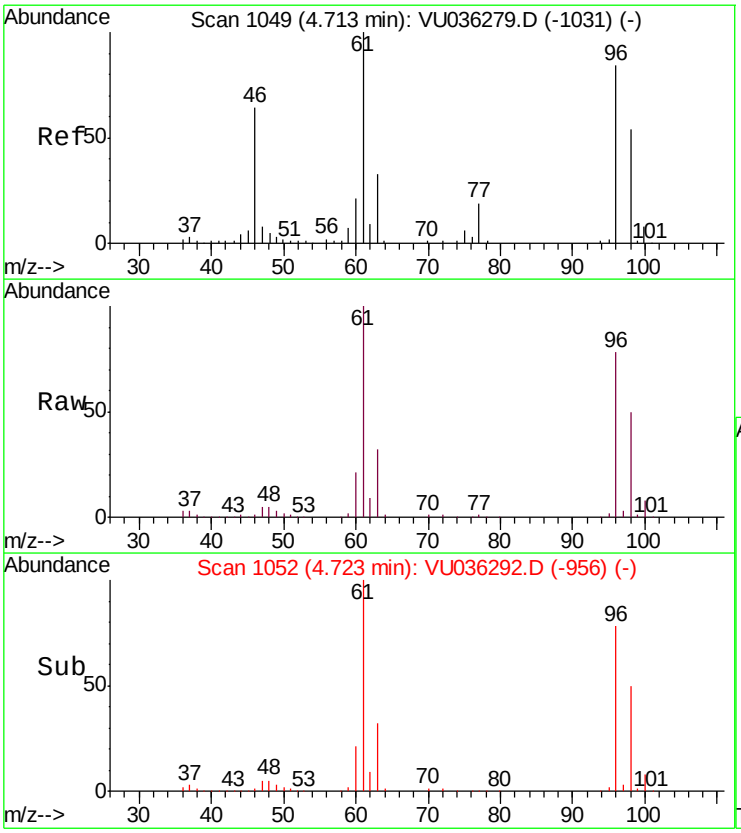
#19
1,1-Dichloroethane
Concen: 0.221 ug/L
RT: 3.92 min Scan# 801
Delta R.T. 0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument : MSVOA_U
ClientSampleId : BFDW7

Tgt Ion: 63 Resp: 6848

Ion	Ratio	Lower	Upper
63	100		
65	40.2	22.6	42.0
83	9.1	9.7	18.1#

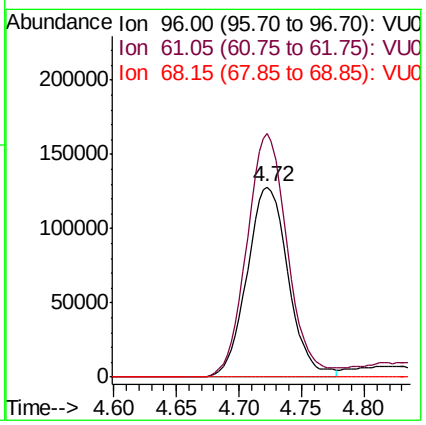


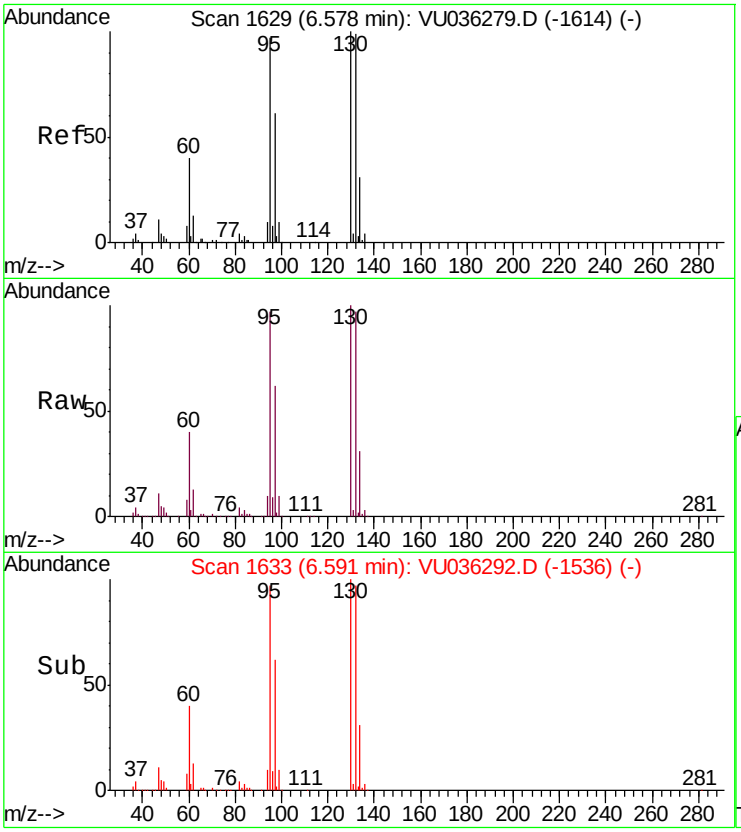


#22
cis-1,2-Dichloroethene
Concen: 16.258 ug/L
RT: 4.72 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion: 96 Resp: 293337

Ion	Ratio	Lower	Upper
96	100		
61	128.2	86.7	161.1
68	0.0	0.0	0.0



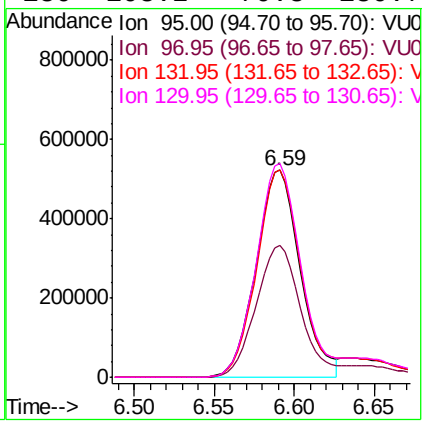


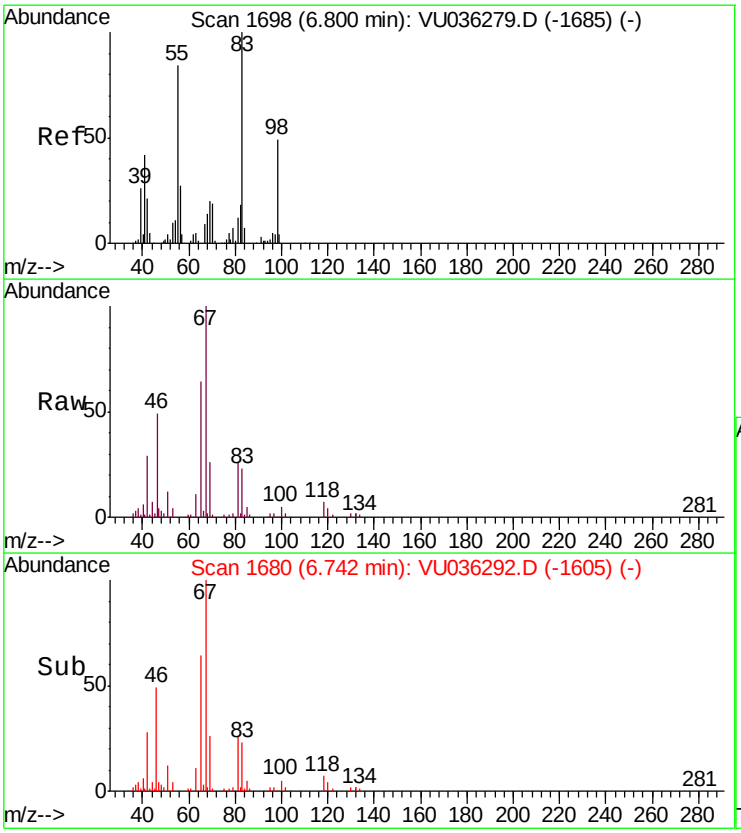
#34
Trichloroethene
Concen: 50.593 ug/L
RT: 6.59 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Tgt Ion: 95 Resp: 994147

Ion	Ratio	Lower	Upper
95	100		
97	63.8	43.6	81.0
132	100.1	69.6	129.2
130	103.2	70.3	130.7

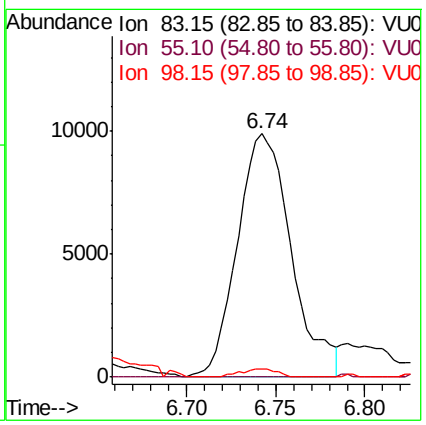


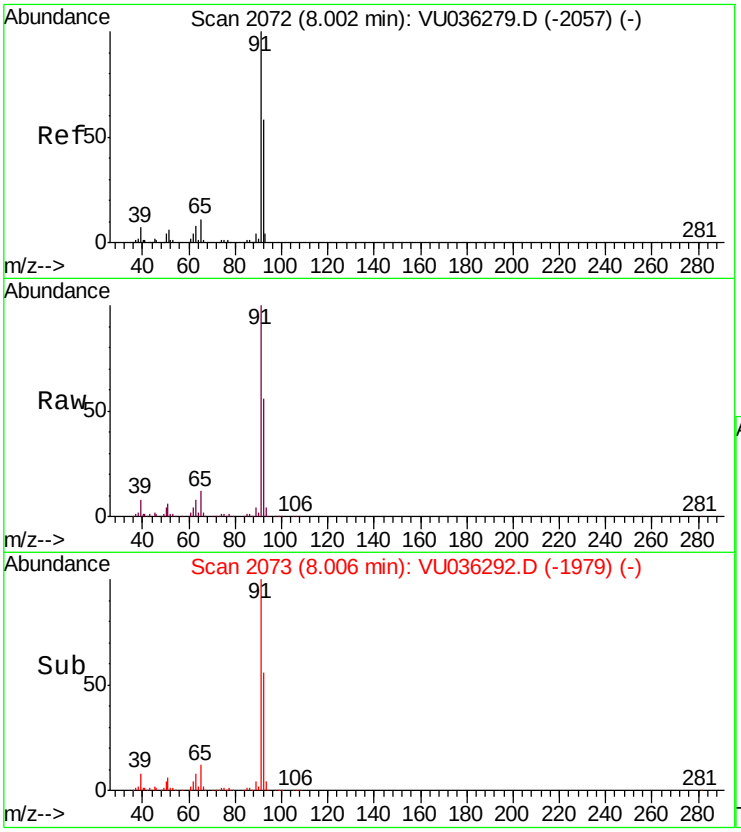


#35
Methylcyclohexane
Concen: 0.750 ug/L
RT: 6.74 min Scan# 1680
Delta R.T. -0.06 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion: 83 Resp: 20949

Ion	Ratio	Lower	Upper
83	100		
55	0.2	62.6	94.0#
98	0.0	36.2	54.2#



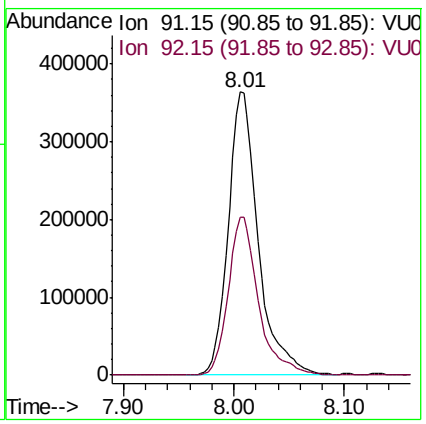


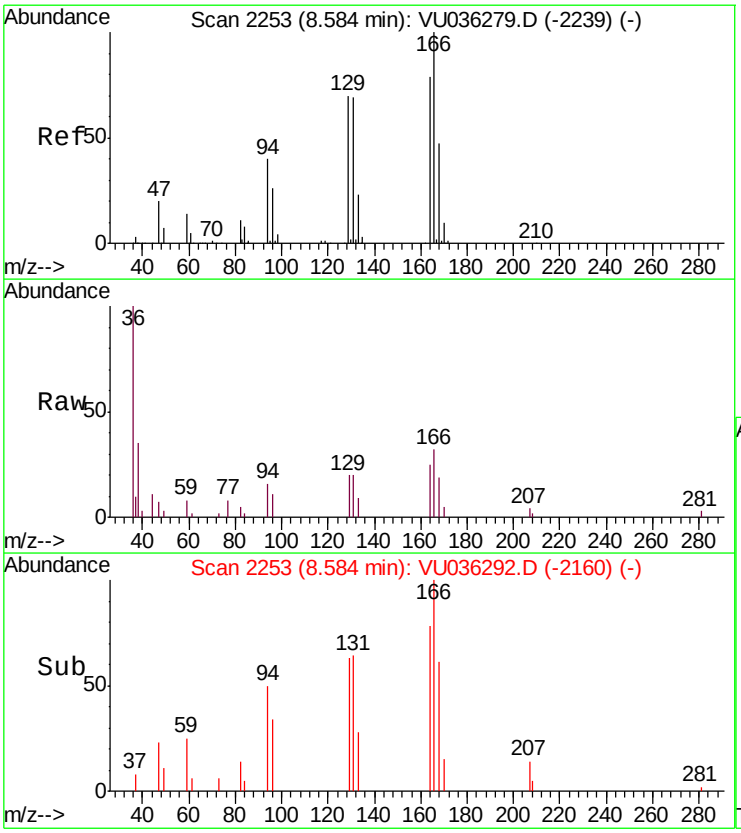
#42
Toluene
Concen: 8.406 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument : MSVOA_U
ClientSampleId : BFDW7

Tgt Ion: 91 Resp: 686699

Ion	Ratio	Lower	Upper
91	100		
92	55.7	41.2	76.6

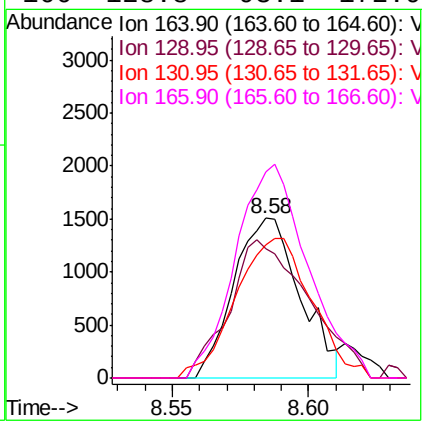


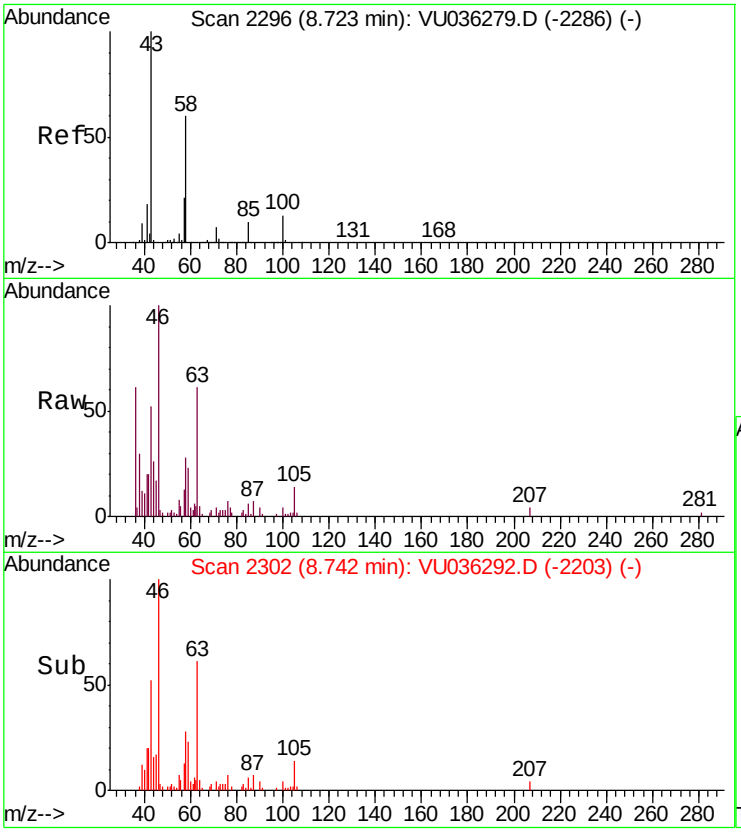


#47
Tetrachloroethene
Concen: 0.144 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion:164 Resp: 2552

Ion	Ratio	Lower	Upper
164	100		
129	81.1	64.2	119.2
131	83.1	66.6	123.8
166	128.8	93.1	172.9



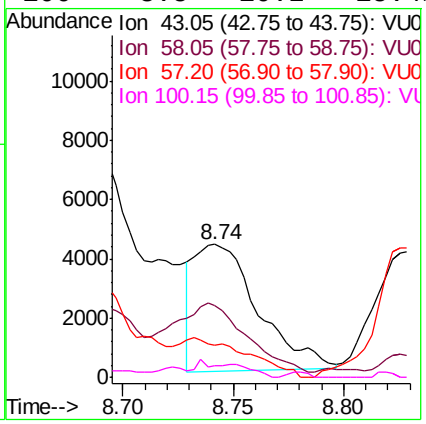


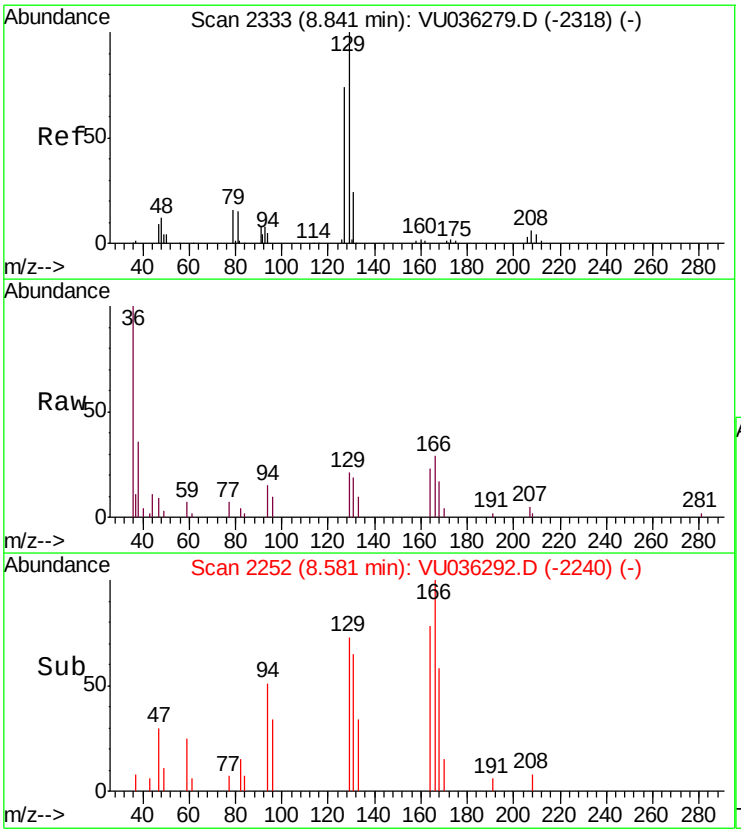
#48
2-Hexanone
Concen: 1.134 ug/L
RT: 8.74 min Scan# 2302
Delta R.T. 0.02 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument : MSVOA_U
ClientSampleId : BFDW7

Tgt Ion: 43 Resp: 8609

Ion	Ratio	Lower	Upper
43	100		
58	70.8	46.2	69.2#
57	32.4	16.2	24.4#
100	3.5	10.2	15.4#

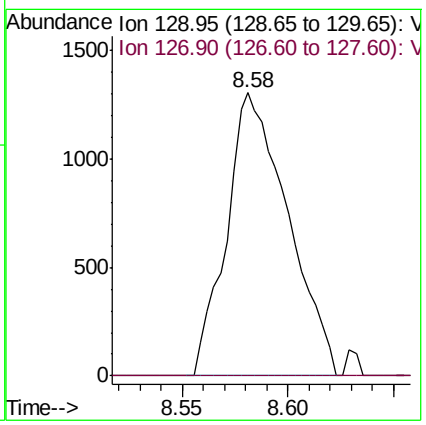


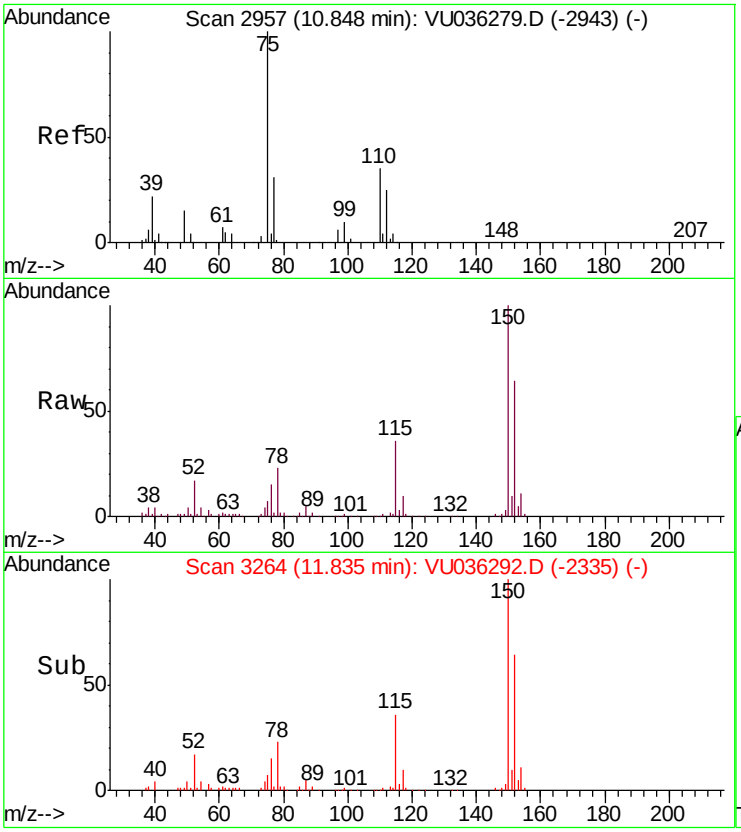


#49
Dibromochloromethane
Concen: 0.146 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.26 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion:129 Resp: 2630

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.6	97.6#



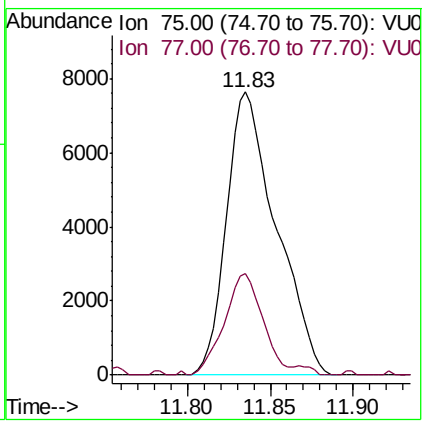


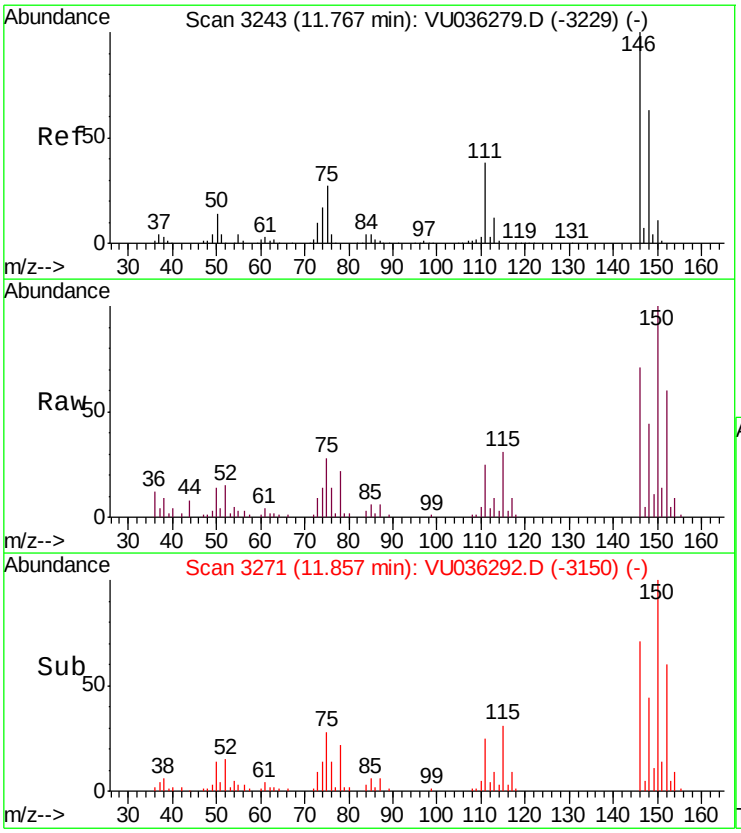
#59
1,2,3-Trichloropropane
Concen: 1.231 ug/L
RT: 11.83 min Scan# 3264
Delta R.T. 0.99 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Tgt Ion: 75 Resp: 15906

Ion	Ratio	Lower	Upper
75	100		
77	28.0	27.2	40.8

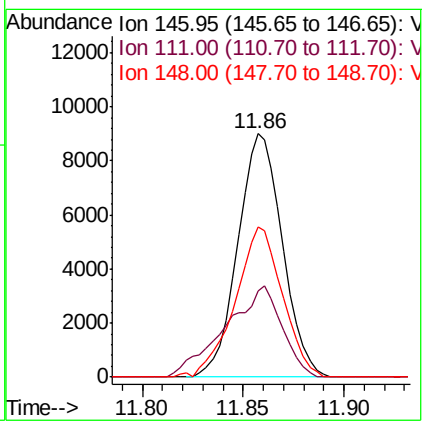


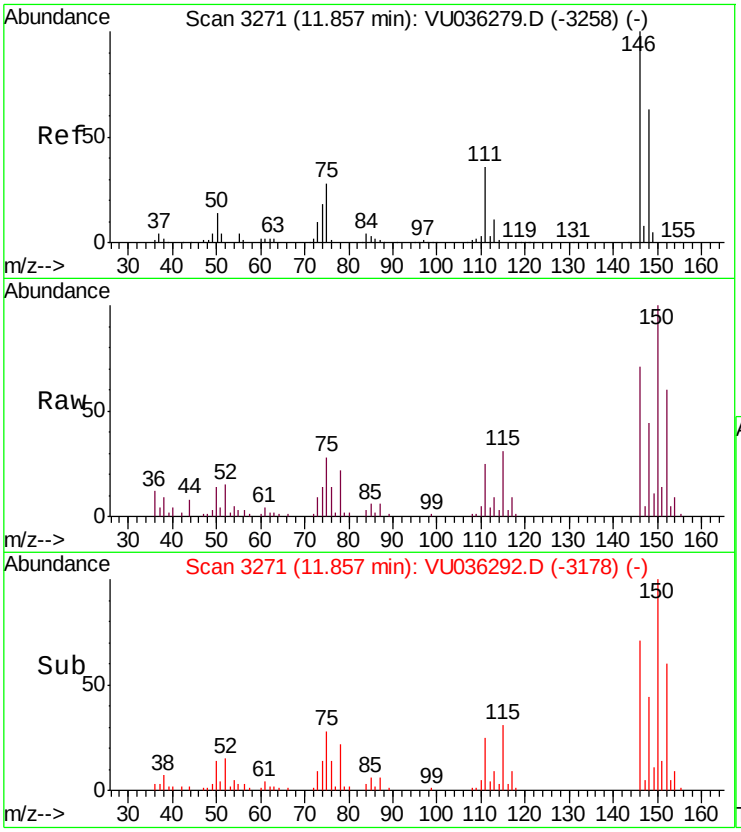


#62
1,3-Dichlorobenzene
Concen: 0.360 ug/L
RT: 11.86 min Scan# 3271
Delta R.T. 0.09 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion:146 Resp: 13913

Ion	Ratio	Lower	Upper
146	100		
111	35.3	26.3	48.9
148	61.9	45.1	83.9



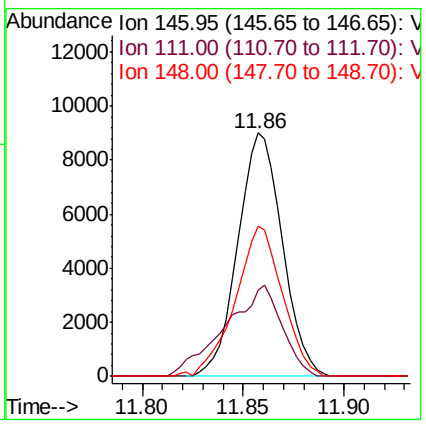


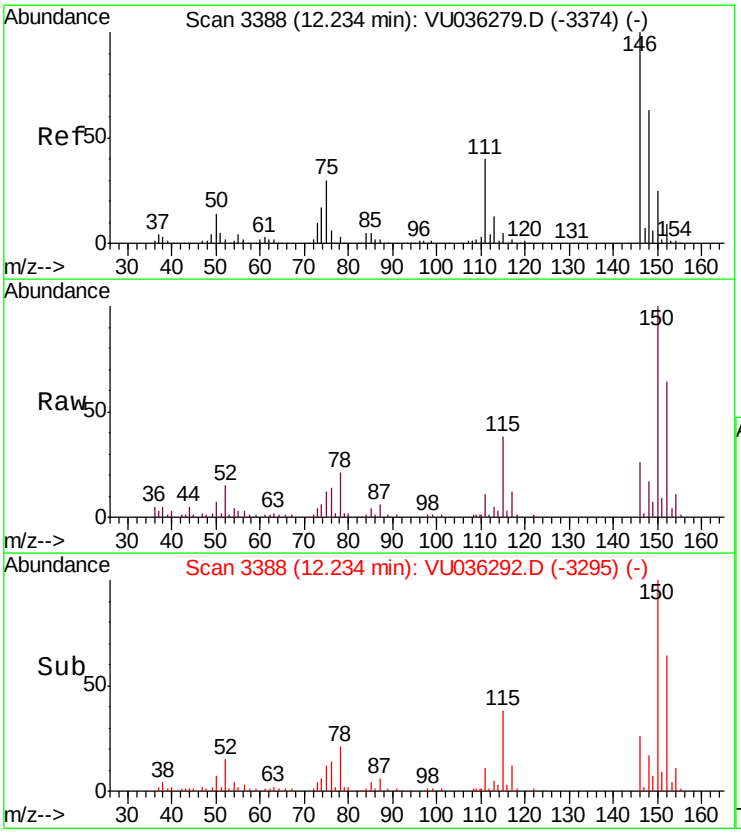
#63
1,4-Dichlorobenzene
Concen: 0.363 ug/L
RT: 11.86 min Scan# 3271
Delta R.T. 0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Tgt Ion:146 Resp: 13913

Ion	Ratio	Lower	Upper
146	100		
111	35.3	25.8	48.0
148	61.9	44.7	82.9

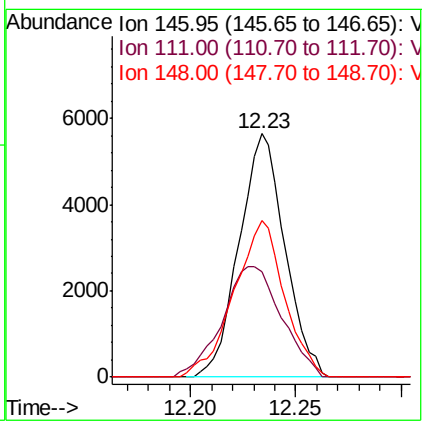


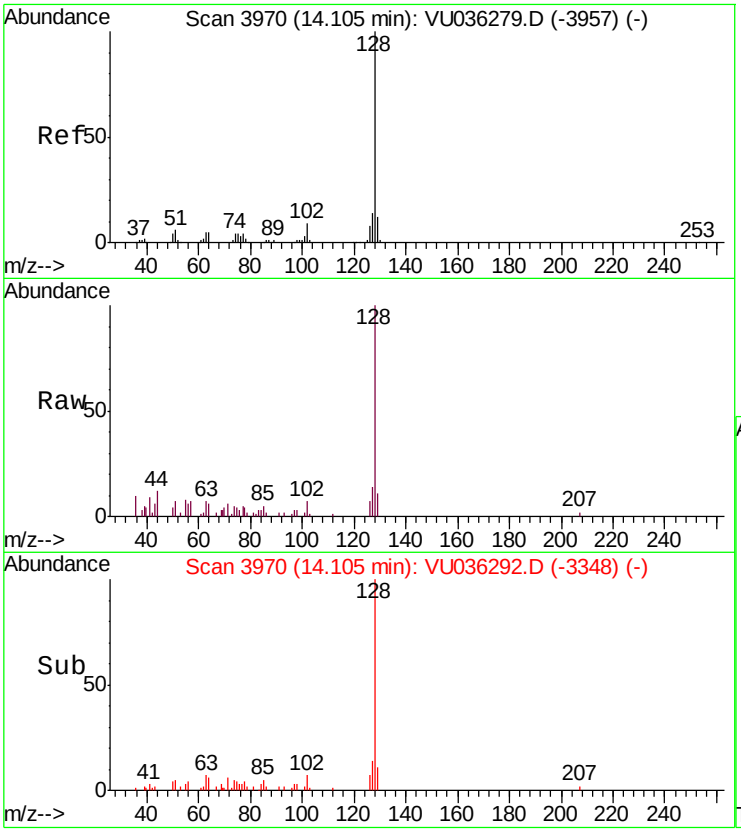


#65
1,2-Dichlorobenzene
Concen: 0.231 ug/L
RT: 12.23 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion:146 Resp: 8492

Ion	Ratio	Lower	Upper
146	100		
111	43.1	32.5	48.7
148	64.1	49.2	73.8





#69
Naphthalene
Concen: 0.652 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Tgt Ion:128 Resp: 15763

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	13.3	11.5	17.3