Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\
Data File : VU036294.D
Acq On : 19 Dec 2019 19:45
Operator : JC/MD
Sample : K6282-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW9

Quant Time: Dec 20 05:03:46 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	6.29	114	271121	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	294017	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	120876	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.62	65	109996	4.61	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 92.20%			
7) Chloroethane-d5	1.93	69	99161	4.63	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 92.60%			
11) 1,1-Dichloroethene-d2	2.60	63	119829	3.48	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 69.60%			
20) 2-Butanone-d5	4.68	46	187963	42.02	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 84.04%			
24) Chloroform-d	5.11	84	162726	4.24	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 84.80%			
26) 1,2-Dichloroethane-d4	5.75	65	89323	4.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.60%			
32) Benzene-d6	5.77	84	312652	4.23	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 84.60%			
36) 1,2-Dichloropropane-d6	6.73	67	101558	4.36	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 87.20%			
41) Toluene-d8	7.93	98	254751	3.66	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 73.20%			
43) trans-1,3-Dichloropropene-	8.21	79	40867	4.27	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 85.40%			
46) 2-Hexanone-d5	8.67	63	169596	46.29	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 92.58%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	90166	4.23	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 84.60%			
64) 1,2-Dichlorobenzene-d4	12.22	152	105195	4.55	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 91.00%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	7080	0.197	ug/L #	54
9) Trichlorofluoromethane	2.16	101	28942	0.637	ug/L	99
12) 1,1-Dichloroethene	2.61	96	18782	0.934	ug/L #	1
13) Acetone	2.66	43	12756	3.272	ug/L	91
14) Carbon disulfide	2.83	76	11391	0.169	ug/L	98
17) Methyl tert-butyl Ether	3.41	73	31215	0.724	ug/L #	32
18) trans-1,2-Dichloroethene	3.39	96	15865	0.753	ug/L	95
19) 1,1-Dichloroethane	3.92	63	12392	0.319	ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	486074	21.511	ug/L	99
29) 1,1,1-Trichloroethane	5.37	97	2415	0.067	ug/L #	88
33) Benzene	5.82	78	12582	0.139	ug/L	100
34) Trichloroethene	6.58	95	3020107	129.642	ug/L	98
42) Toluene	8.00	91	2674410	27.613	ug/L	99
47) Tetrachloroethene	8.58	164	7169	0.341	ug/L	98
51) Chlorobenzene	9.48	112	18819	0.294	ug/L	95
53) m,p-Xylene	9.72	106	4012	0.107	ug/L	80
63) 1,4-Dichlorobenzene	11.86	146	76907	1.901	ug/L	98

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\
Data File : VU036294.D
Acq On : 19 Dec 2019 19:45
Operator : JC/MD
Sample : K6282-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW9

Quant Time: Dec 20 05:03:46 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	48854	1.257	ug/L	97

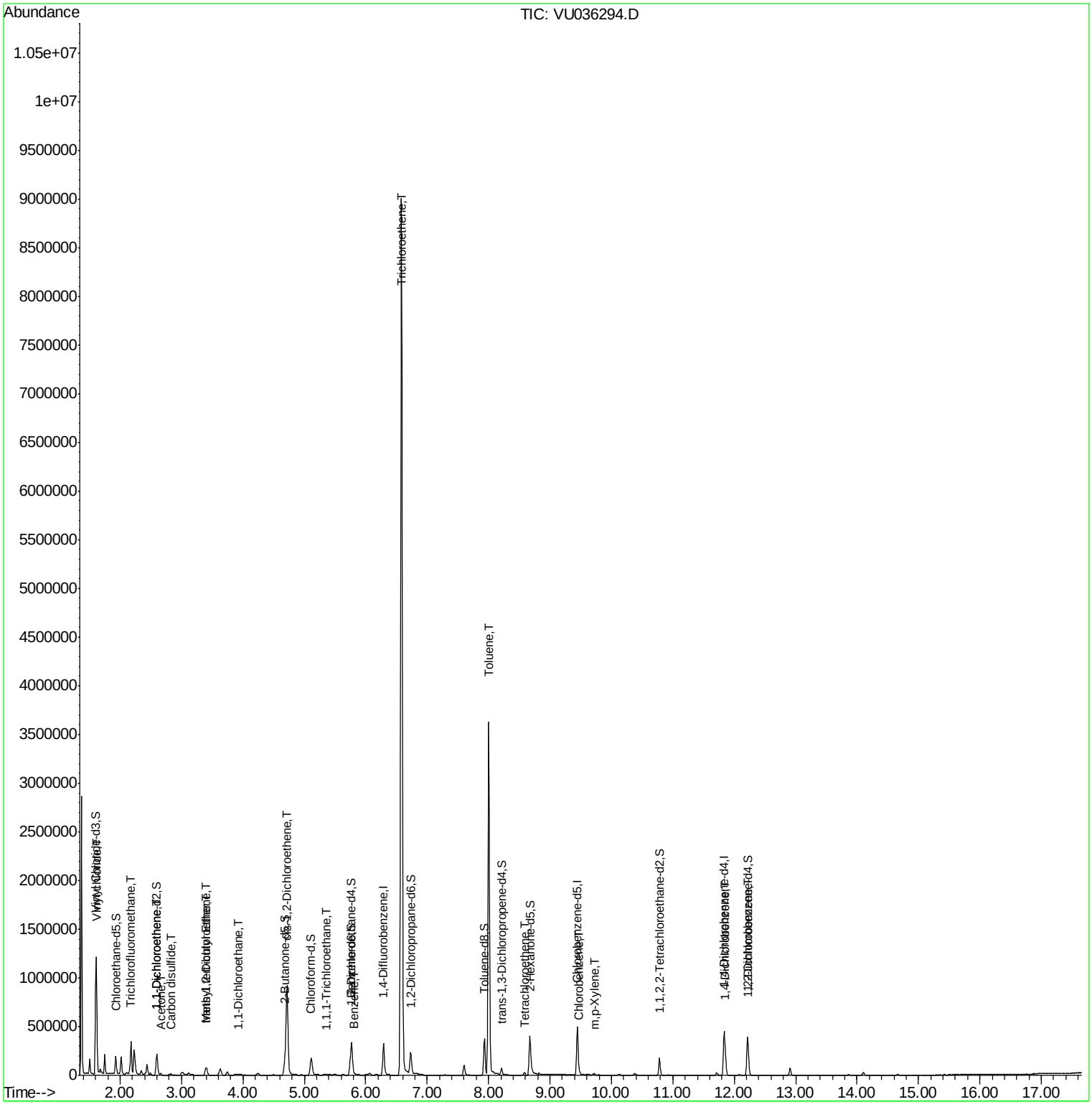
(#) = qualifier out of range (m) = manual integration (+) = signals summed

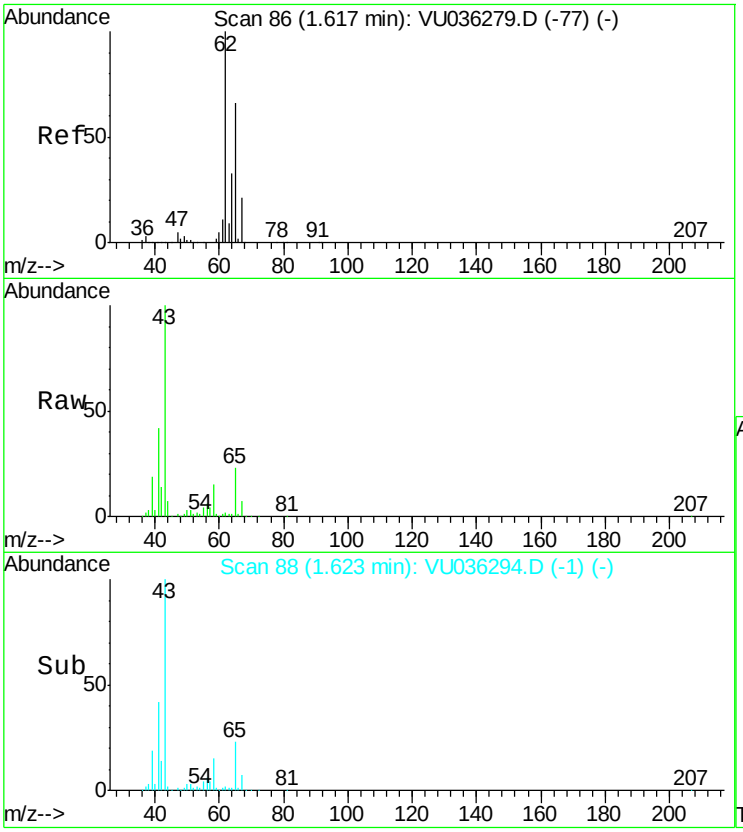
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036294.D
Acq On : 19 Dec 2019 19:45
Operator : JC/MD
Sample : K6282-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW9

Quant Time: Dec 20 05:03:46 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



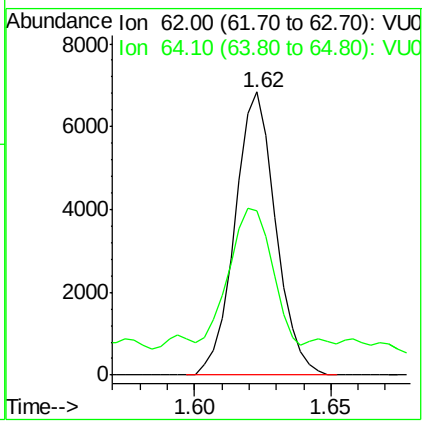


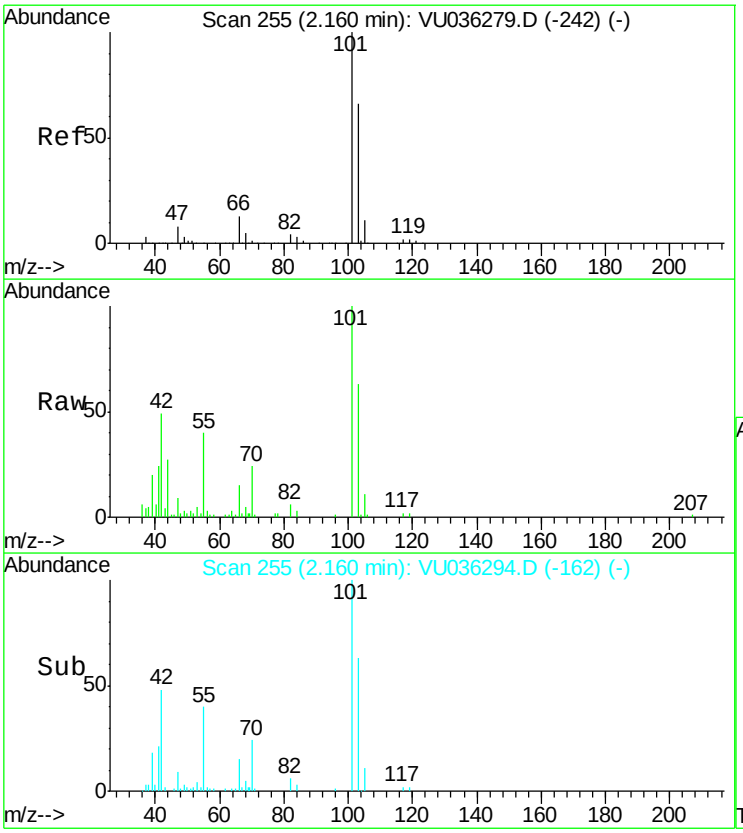
#5
Vinyl chloride
Concen: 0.197 ug/L
RT: 1.62 min Scan# 88
Delta R.T. 0.01 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument : MSVOA_U
ClientSampleId : BFDW9

Tgt Ion: 62 Resp: 7080

Ion	Ratio	Lower	Upper
62	100		
64	57.9	22.4	41.6#

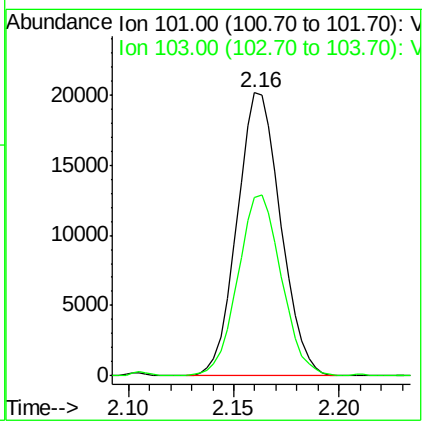


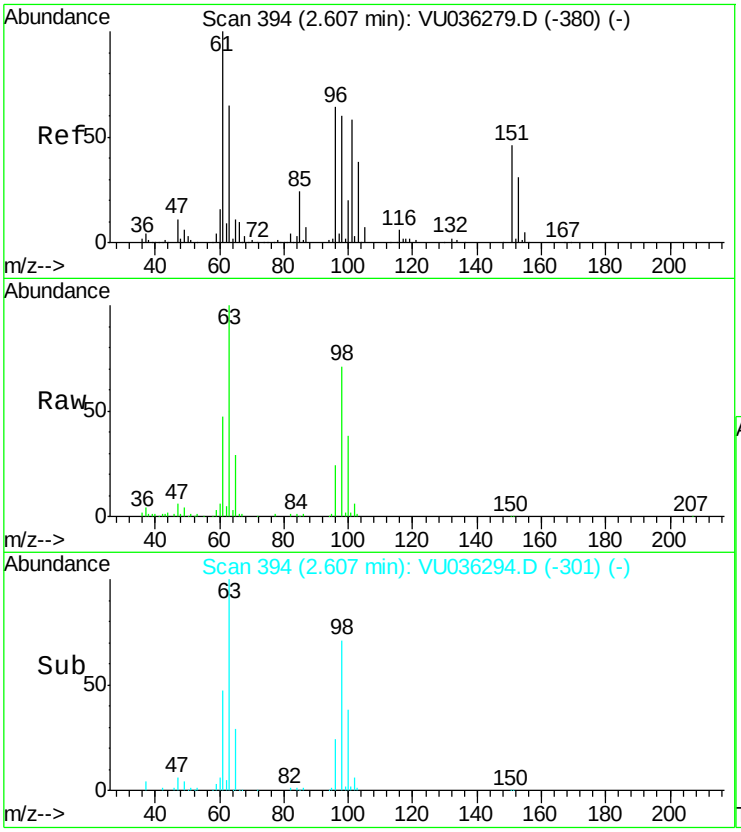


#9
Trichlorofluoromethane
Concen: 0.637 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion:101 Resp: 28942

Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.4	75.6



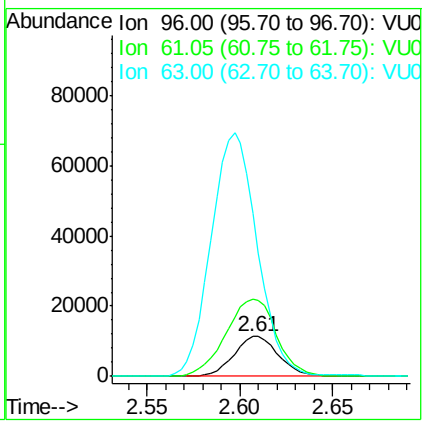


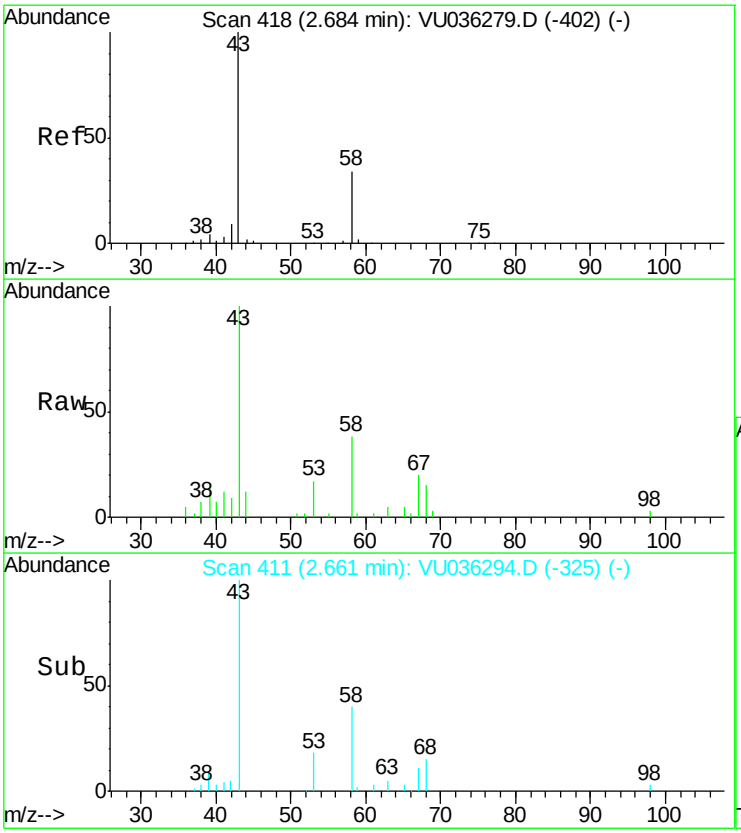
#12
1,1-Dichloroethene
Concen: 0.934 ug/L
RT: 2.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
BFDW9

Tgt Ion: 96 Resp: 18782

Ion	Ratio	Lower	Upper
96	100		
61	193.5	114.0	211.8
63	410.2	63.6	118.0#

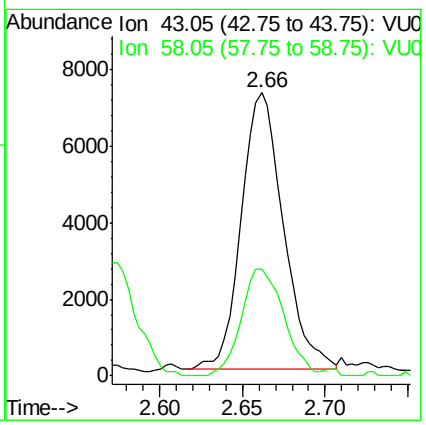


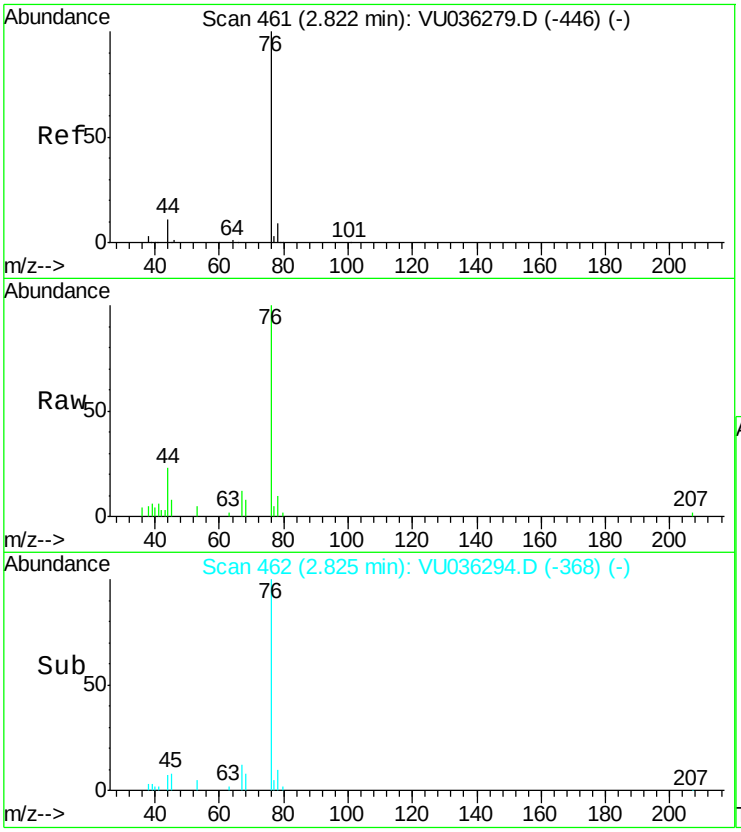


#13
Acetone
Concen: 3.272 ug/L
RT: 2.66 min Scan# 411
Delta R.T. -0.02 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion: 43 Resp: 12756

Ion	Ratio	Lower	Upper
43	100		
58	39.1	0.0	67.6



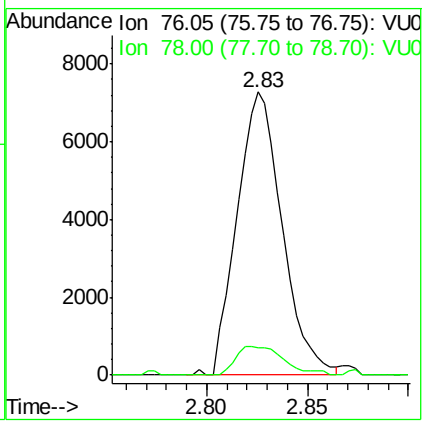


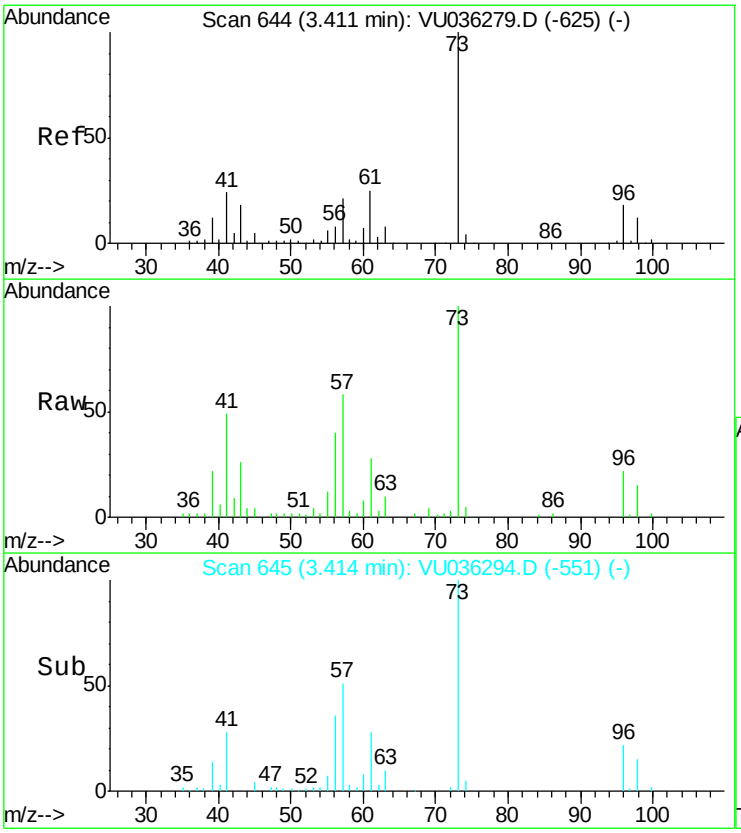
#14
Carbon disulfide
Concen: 0.169 ug/L
RT: 2.83 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
BFDW9

Tgt Ion: 76 Resp: 11391

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

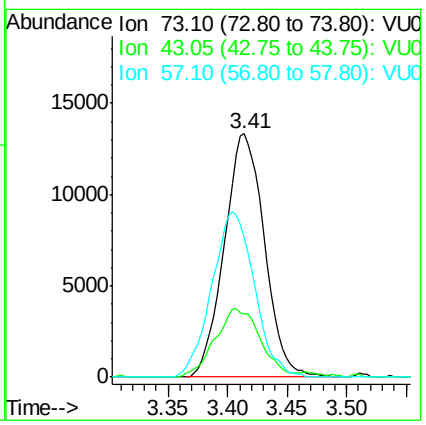


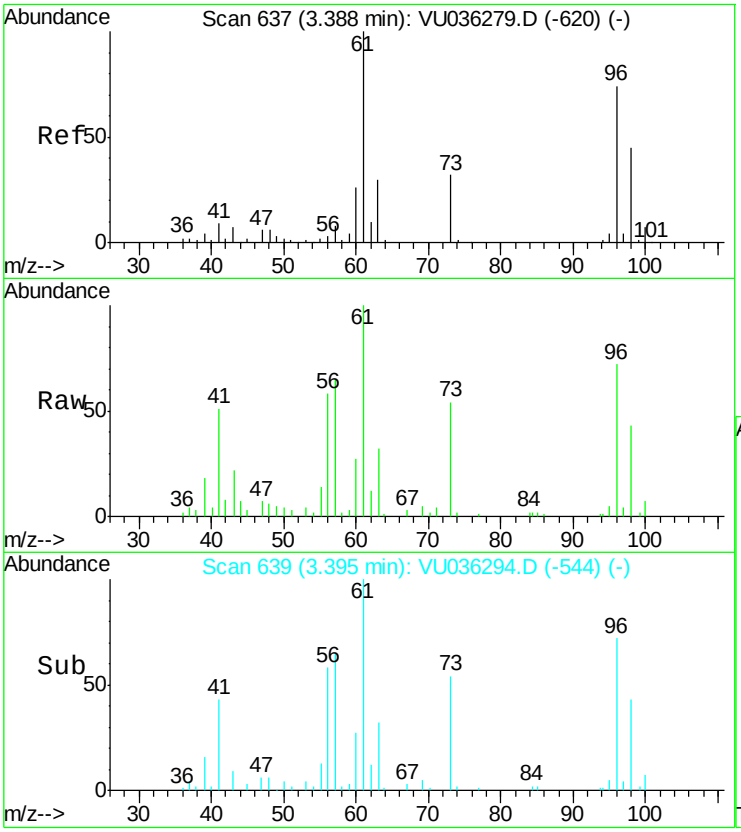


#17
Methyl tert-butyl Ether
Concen: 0.724 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion: 73 Resp: 31215

Ion	Ratio	Lower	Upper
73	100		
43	31.7	15.3	22.9#
57	72.0	18.2	27.2#



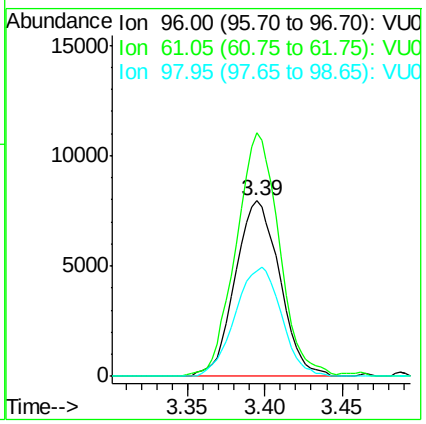


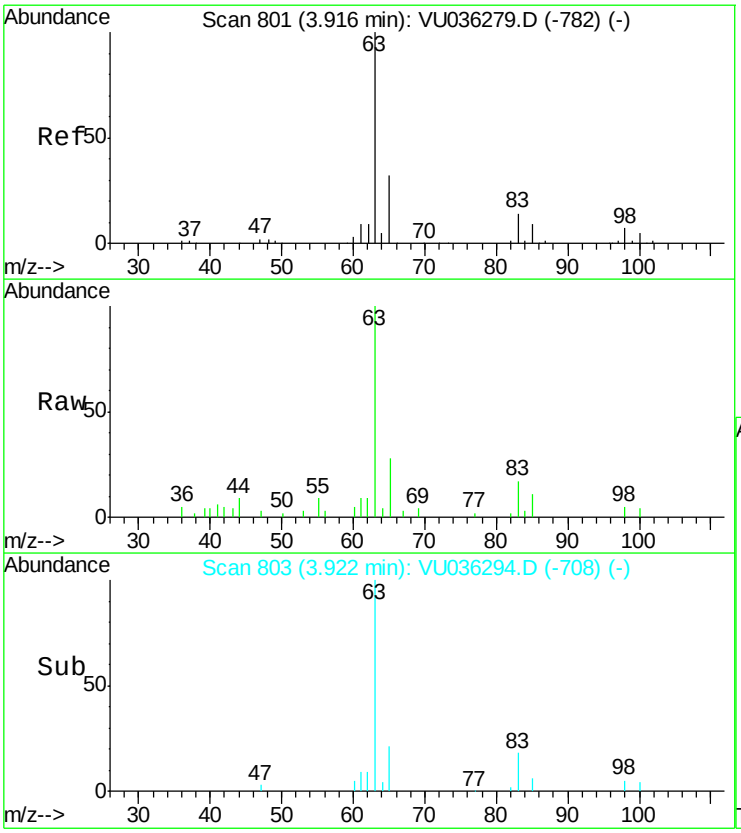
#18
trans-1,2-Dichloroethene
Concen: 0.753 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument : MSVOA_U
ClientSampleId : BFDW9

Tgt Ion: 96 Resp: 15865

Ion	Ratio	Lower	Upper
96	100		
61	138.8	94.8	176.2
98	59.8	46.8	86.8

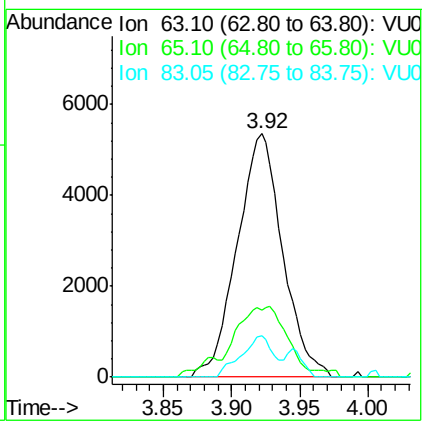


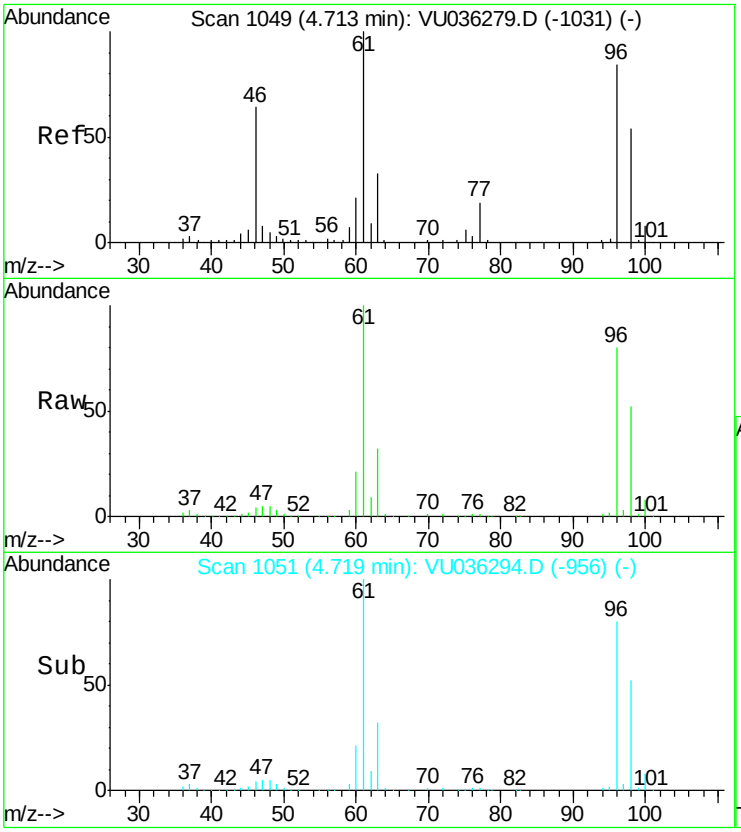


#19
1,1-Dichloroethane
Concen: 0.319 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.01 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion: 63 Resp: 12392

Ion	Ratio	Lower	Upper
63	100		
65	27.6	22.6	42.0
83	17.2	9.7	18.1



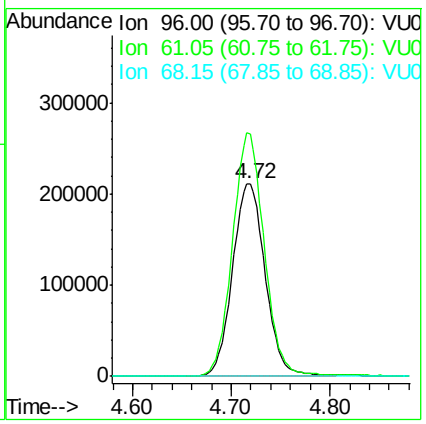


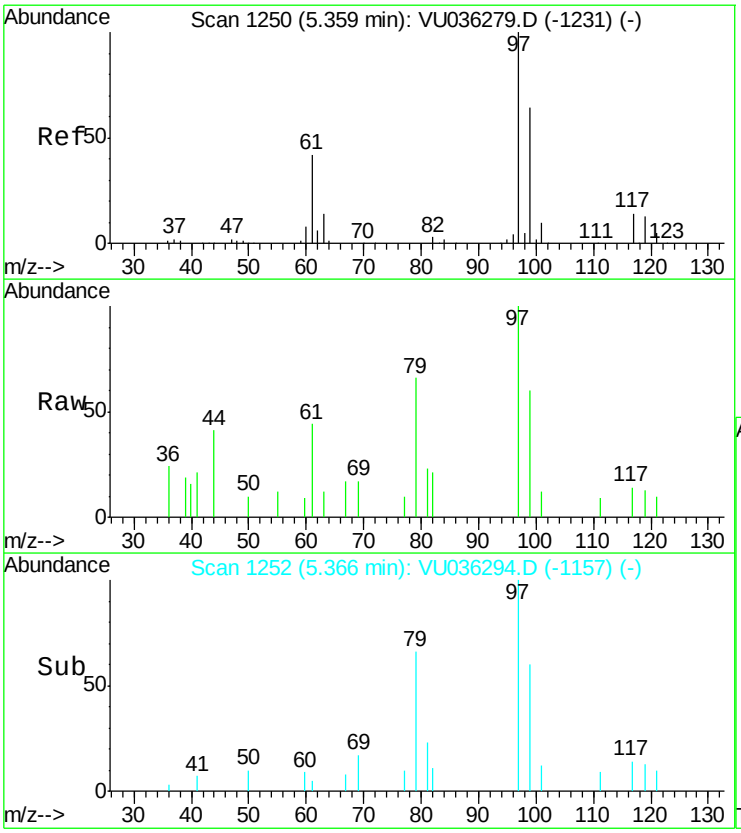
#22
cis-1,2-Dichloroethene
Concen: 21.511 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
BFDW9

Tgt Ion: 96 Resp: 486074

Ion	Ratio	Lower	Upper
96	100		
61	125.5	86.7	161.1
68	0.0	0.0	0.0

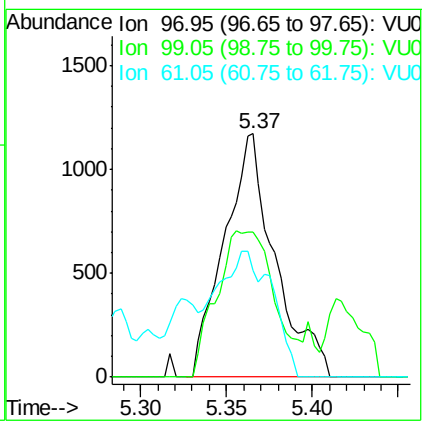


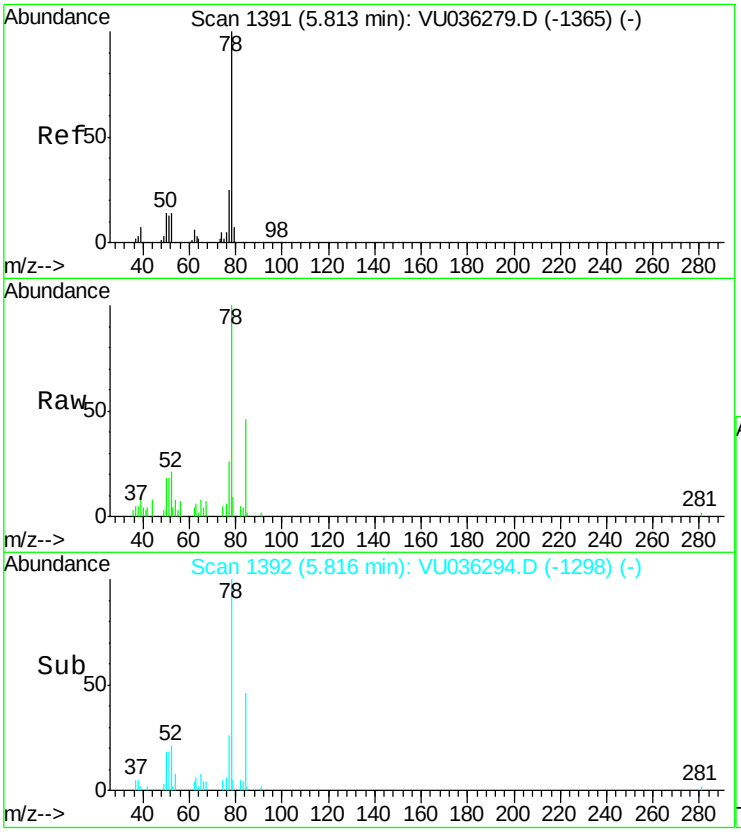


#29
1,1,1-Trichloroethane
Concen: 0.067 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion: 97 Resp: 2415

Ion	Ratio	Lower	Upper
97	100		
99	69.1	51.4	77.2
61	57.4	35.0	52.6#

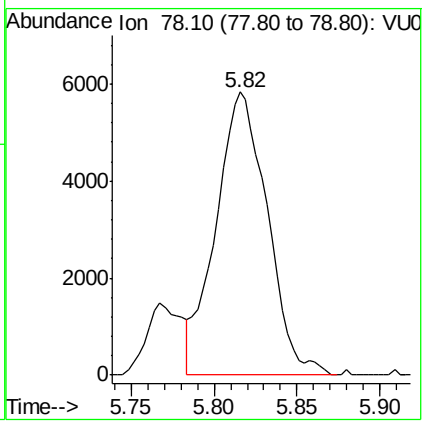


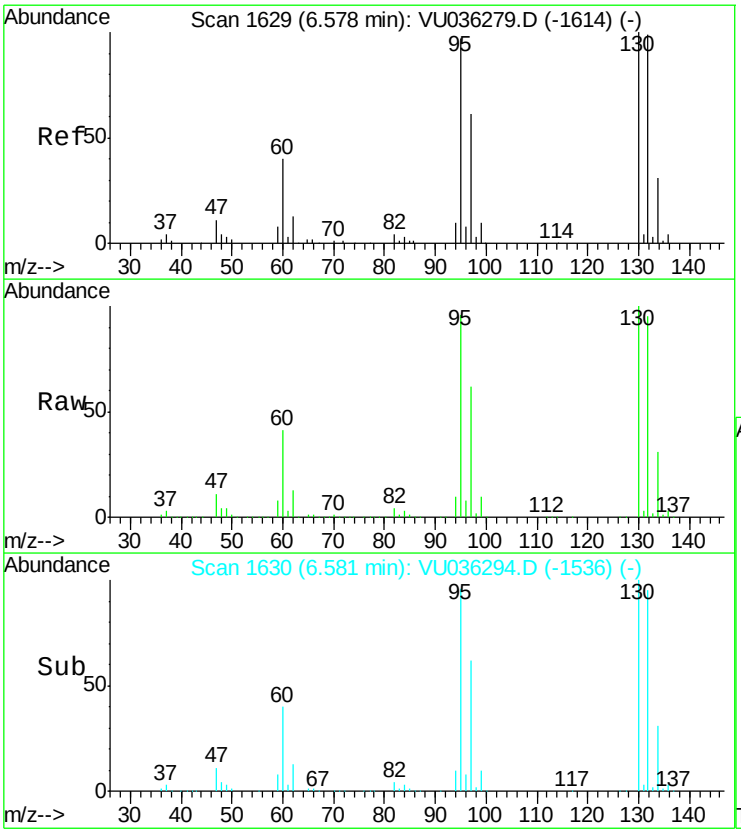


#33
Benzene
Concen: 0.139 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
BFDW9

Tgt Ion: 78 Resp: 12582

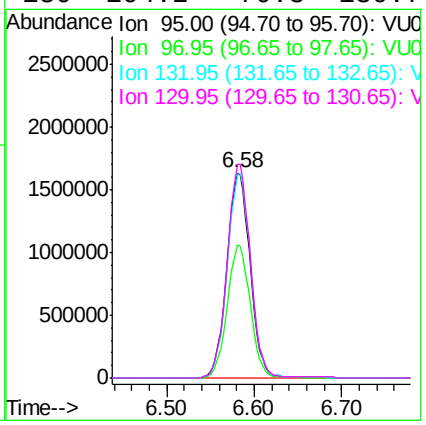


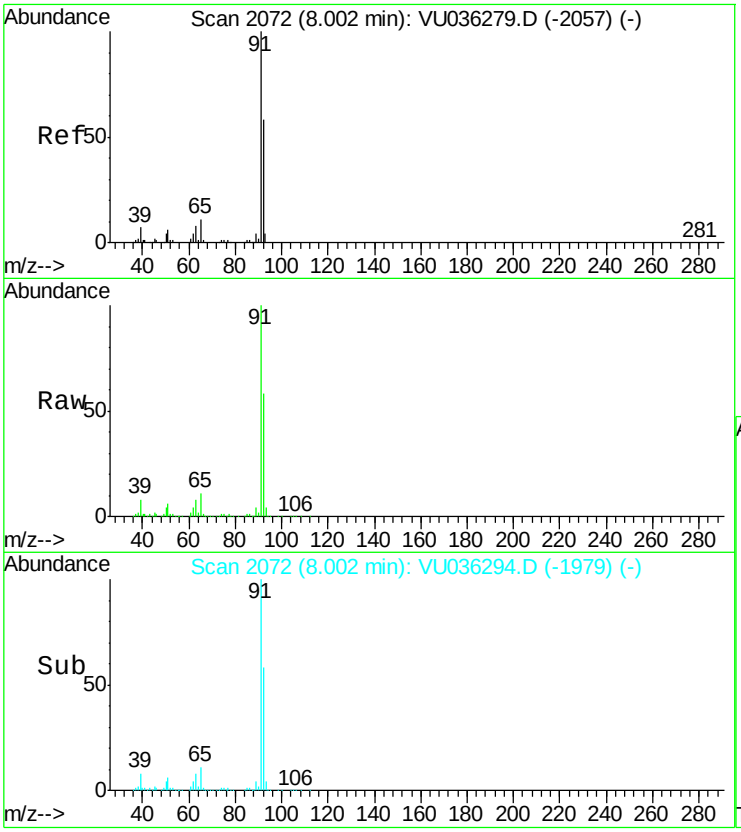


#34
Trichloroethene
Concen: 129.642 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion: 95 Resp: 3020107

Ion	Ratio	Lower	Upper
95	100		
97	64.7	43.6	81.0
132	99.2	69.6	129.2
130	104.2	70.3	130.7



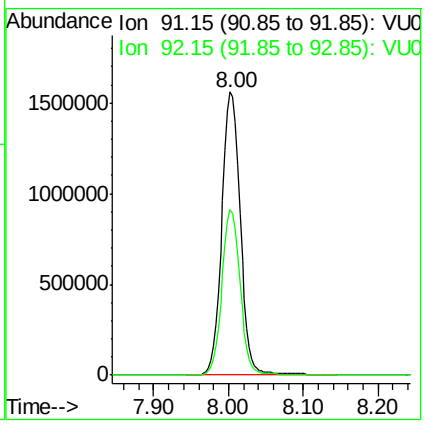


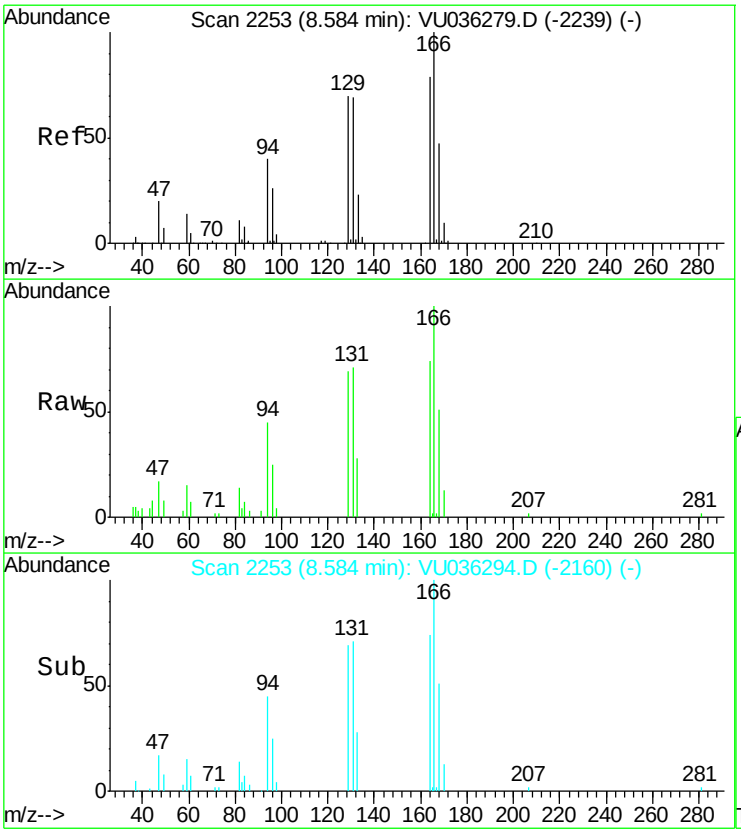
#42
Toluene
Concen: 27.613 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument : MSVOA_U
ClientSampleId : BFDW9

Tgt Ion: 91 Resp: 2674410

Ion	Ratio	Lower	Upper
91	100		
92	58.5	41.2	76.6

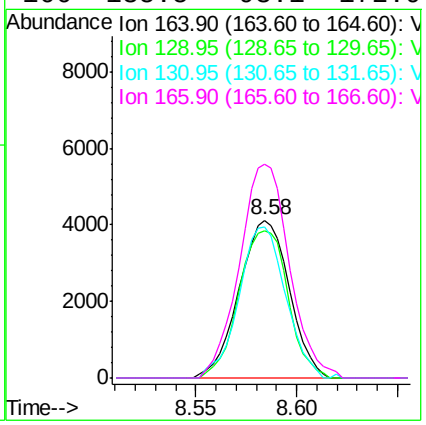


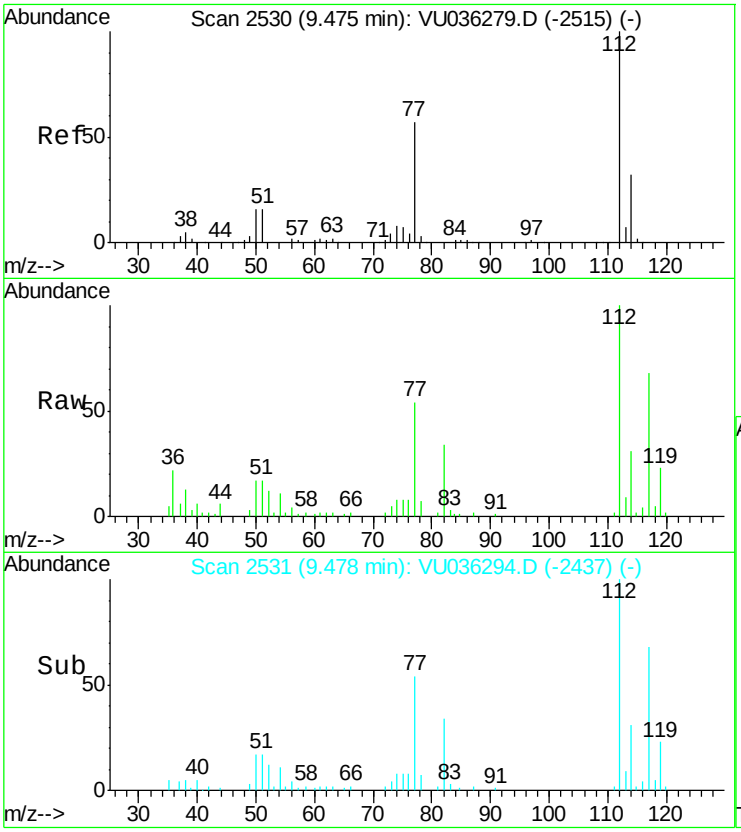


#47
Tetrachloroethene
Concen: 0.341 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion:164 Resp: 7169

Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.2	119.2
131	95.8	66.6	123.8
166	135.5	93.1	172.9



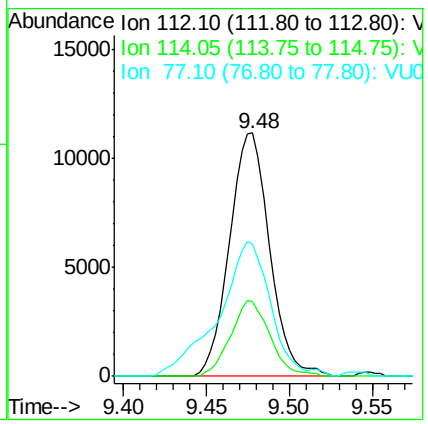


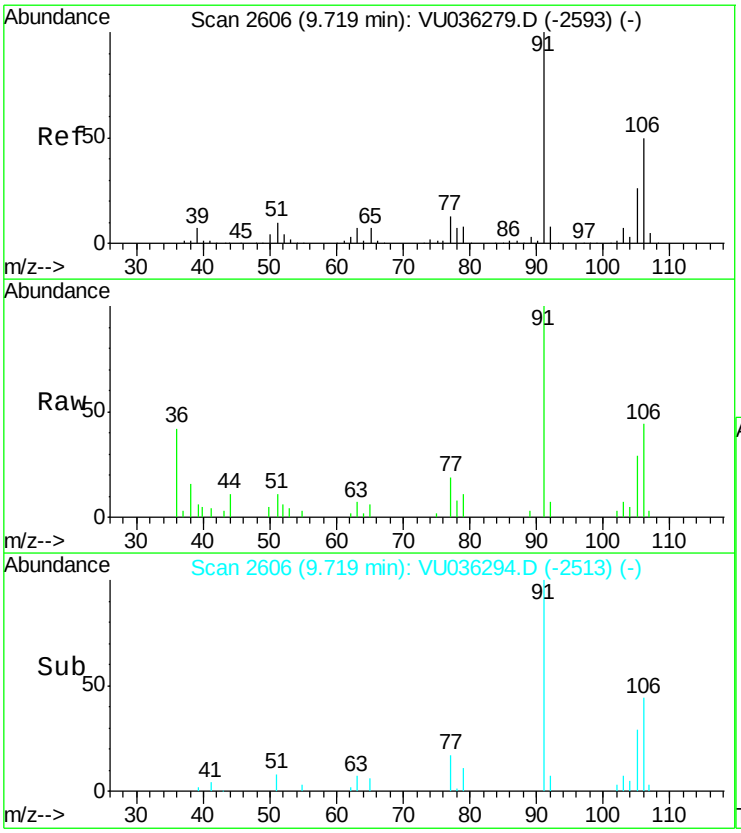
#51
Chlorobenzene
Concen: 0.294 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument : MSVOA_U
ClientSampleId : BFDW9

Tgt Ion:112 Resp: 18819

Ion	Ratio	Lower	Upper
112	100		
114	30.8	23.2	43.2
77	54.2	46.5	69.7

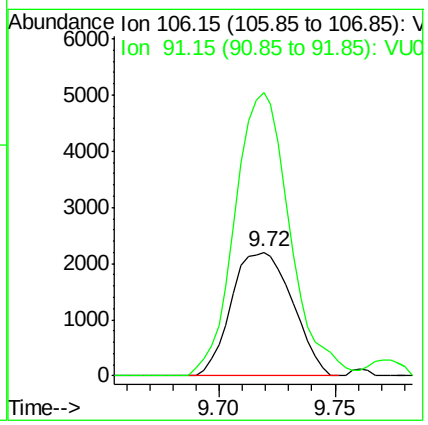


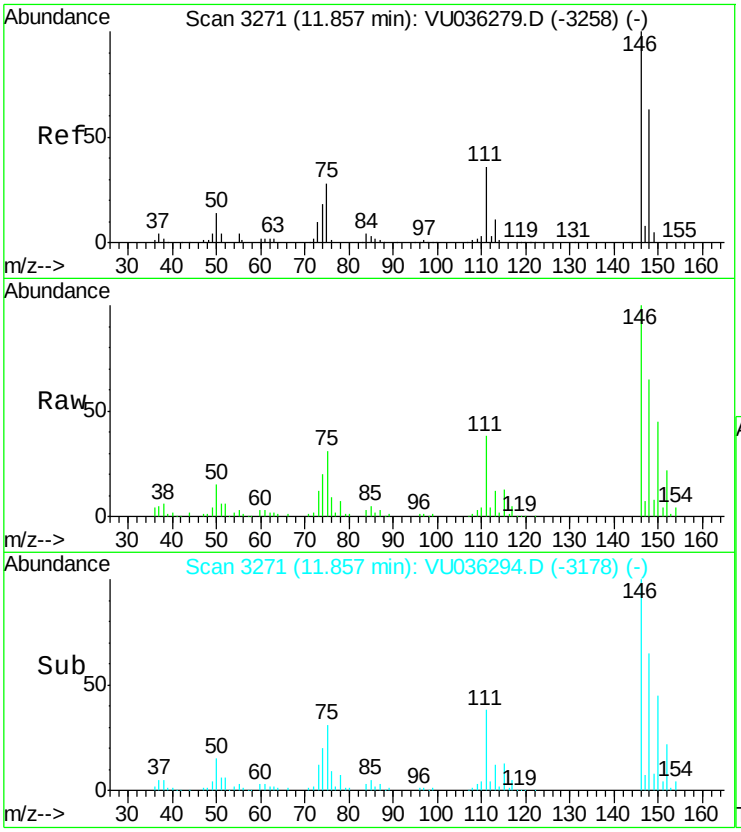


#53
m,p-Xylene
Concen: 0.107 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion:106 Resp: 4012

Ion	Ratio	Lower	Upper
106	100		
91	228.4	138.7	257.7



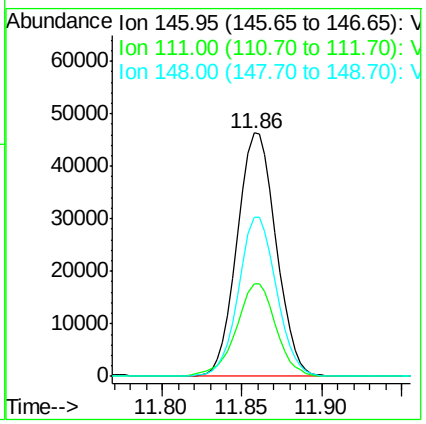


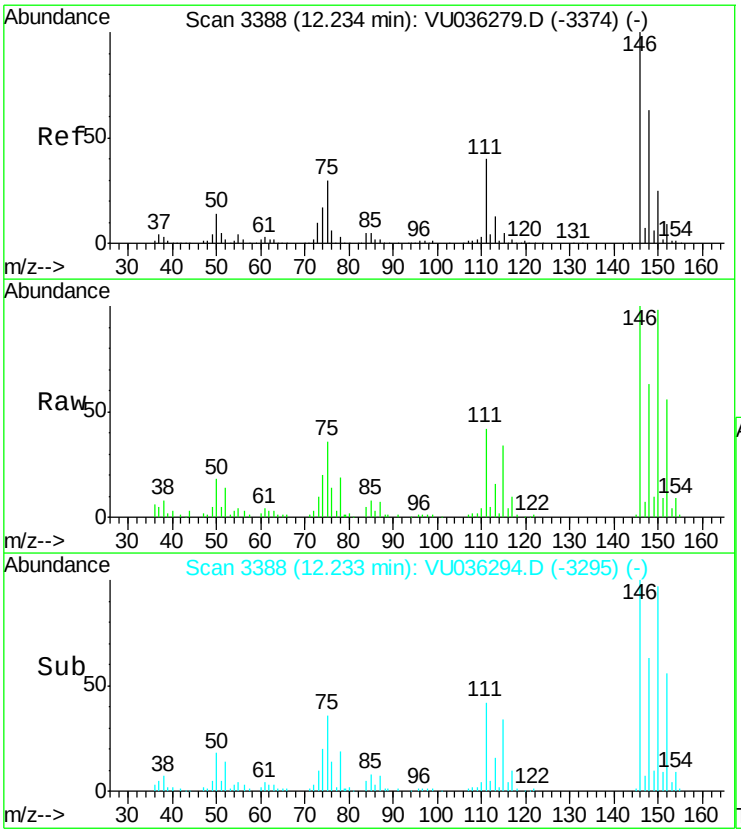
#63
1,4-Dichlorobenzene
Concen: 1.901 ug/L
RT: 11.86 min Scan# 3271
Delta R.T. -0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Instrument :
MSVOA_U
ClientSampleId :
BFDW9

Tgt Ion:146 Resp: 76907

Ion	Ratio	Lower	Upper
146	100		
111	37.9	25.8	48.0
148	65.2	44.7	82.9





#65
1,2-Dichlorobenzene
Concen: 1.257 ug/L
RT: 12.23 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VU036294.D
Acq: 19 Dec 2019 19:45

Tgt Ion:146 Resp: 48854

Ion	Ratio	Lower	Upper
146	100		
111	42.3	32.5	48.7
148	63.4	49.2	73.8