Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121620\
Data File : VU041663.D
Acq On : 16 Dec 2020 12:05
Operator : SY/MD
Sample : L4958-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2S35

Quant Time: Dec 18 09:04:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 17 03:56:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	283924	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	257139	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	127767	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.60	65	99727	47.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.00%			
7) Chloroethane-d5	1.92	69	86202	48.44	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.88%			
11) 1,1-Dichloroethene-d2	2.58	63	209182	55.69	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 111.38%			
21) 2-Butanone-d5	4.65	46	165772	102.56	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.56%			
24) Chloroform-d	5.08	84	170093	45.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.14%			
26) 1,2-Dichloroethane-d4	5.71	65	111943	46.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.10%			
32) Benzene-d6	5.74	84	375958	50.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.92%			
36) 1,2-Dichloropropane-d6	6.70	67	113483	49.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.42%			
41) Toluene-d8	7.90	98	347832	49.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.36%			
43) trans-1,3-Dichloropropene-	8.18	79	58112	48.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.66%			
47) 2-Hexanone-d5	8.64	63	135340	107.62	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 107.62%			
56) 1,1,2,2-Tetrachloroethane-	10.75	84	175170	49.96	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.92%			
66) 1,2-Dichlorobenzene-d4	12.19	152	131410	50.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.02%			
Target Compounds						Qvalue
5) Vinyl chloride	1.61	62	208655	86.824	ug/L	98
9) Trichlorofluoromethane	2.14	101	263007	74.677	ug/L	99
12) 1,1-Dichloroethene	2.59	96	118333	64.930	ug/L	98
18) Methyl tert-butyl Ether	3.38	73	461108	78.631	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	80068	38.692	ug/L	95
33) Benzene	5.79	78	170991	21.033	ug/L	100
34) Trichloroethene	6.55	95	141219	67.044	ug/L	98
35) Methylcyclohexane	6.77	83	310563	92.995	ug/L	99
37) 1,2-Dichloropropane	6.80	63	43946	21.519	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	385134	128.440	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	58717	28.420	ug/L	99
46) Tetrachloroethene	8.56	164	78537	48.041	ug/L	94
48) 2-Hexanone	8.69	43	286368	117.540	ug/L	98
49) Dibromochloromethane	8.81	129	85031	38.008	ug/L	96
50) 1,2-Dibromoethane	8.92	107	257013	119.166	ug/L	96
52) Ethylbenzene	9.57	91	640131	70.856	ug/L	98
54) o-xylene	10.10	106	101261	29.879	ug/L	100

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121620\
Data File : VU041663.D
Acq On : 16 Dec 2020 12:05
Operator : SY/MD
Sample : L4958-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2S35

Quant Time: Dec 18 09:04:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 17 03:56:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
61) Isopropylbenzene	10.48	105	705975	80.556 ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	249955	59.550 ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	116238	47.959 ug/L	100

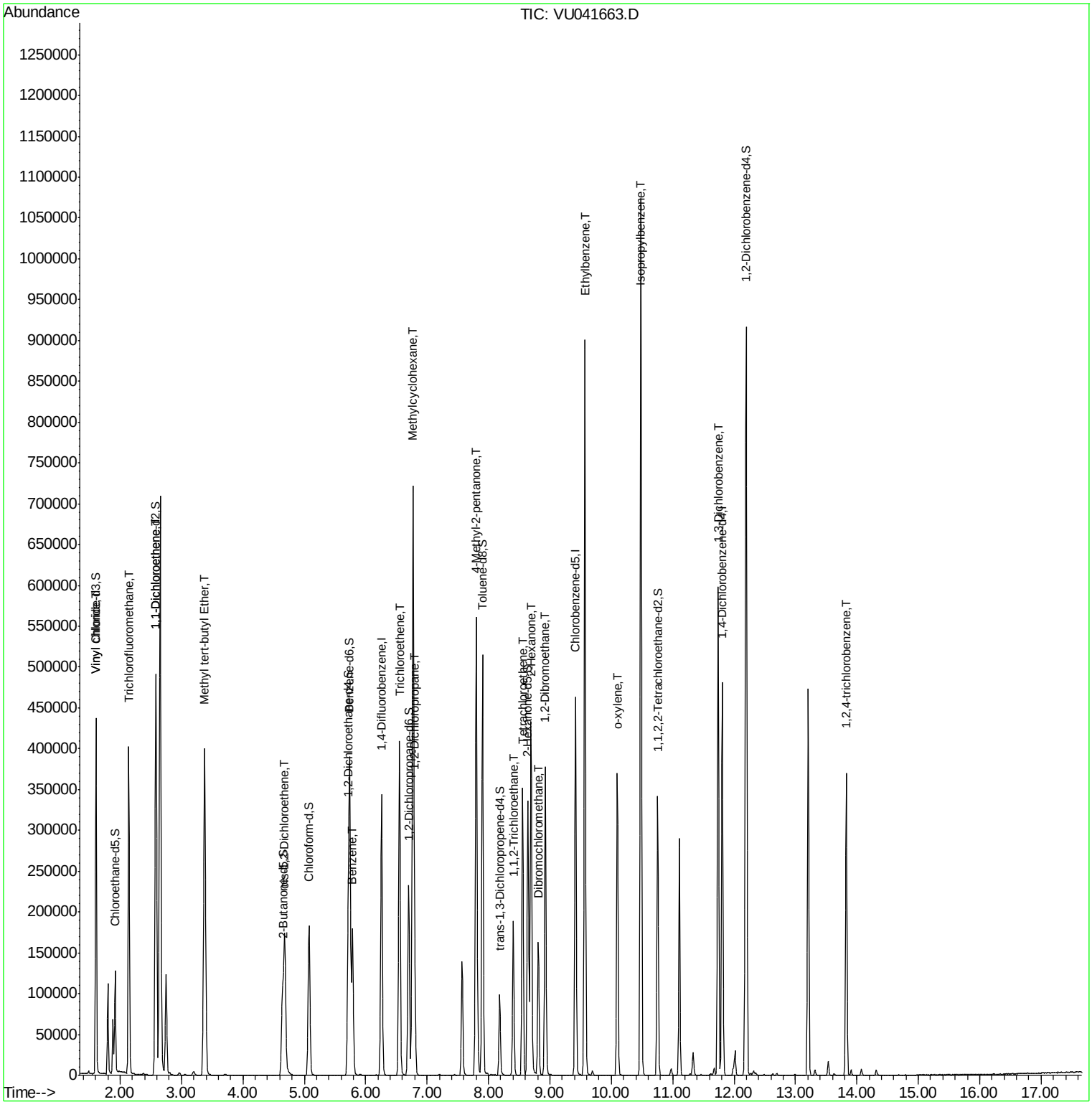
(#) = qualifier out of range (m) = manual integration (+) = signals summed

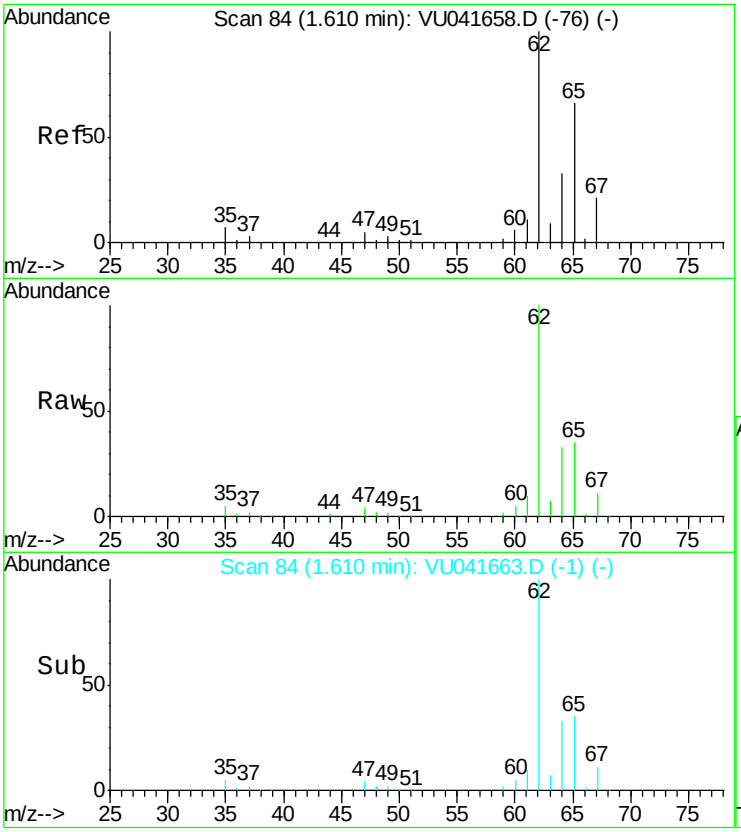
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121620\
Data File : VU041663.D
Acq On : 16 Dec 2020 12:05
Operator : SY/MD
Sample : L4958-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2S35

Quant Time: Dec 18 09:04:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 17 03:56:04 2020
Response via : Initial Calibration



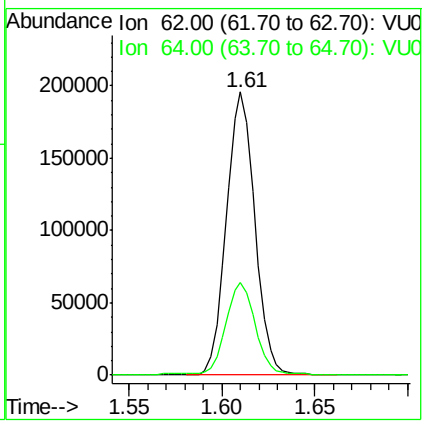


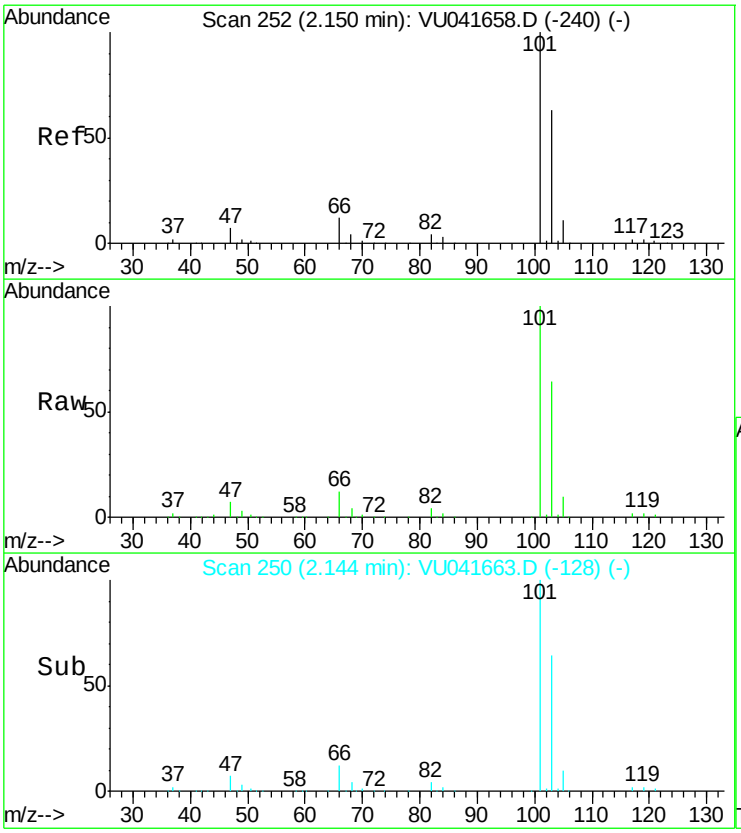
#5
Vinyl chloride
Concen: 86.824 ug/L
RT: 1.61 min Scan# 84
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument : MSVOA_U
ClientSampleId : X2S35

Tgt Ion: 62 Resp: 208655

Ion	Ratio	Lower	Upper
62	100		
64	32.7	23.9	44.3

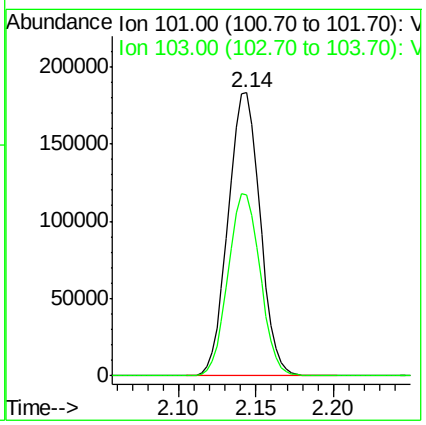


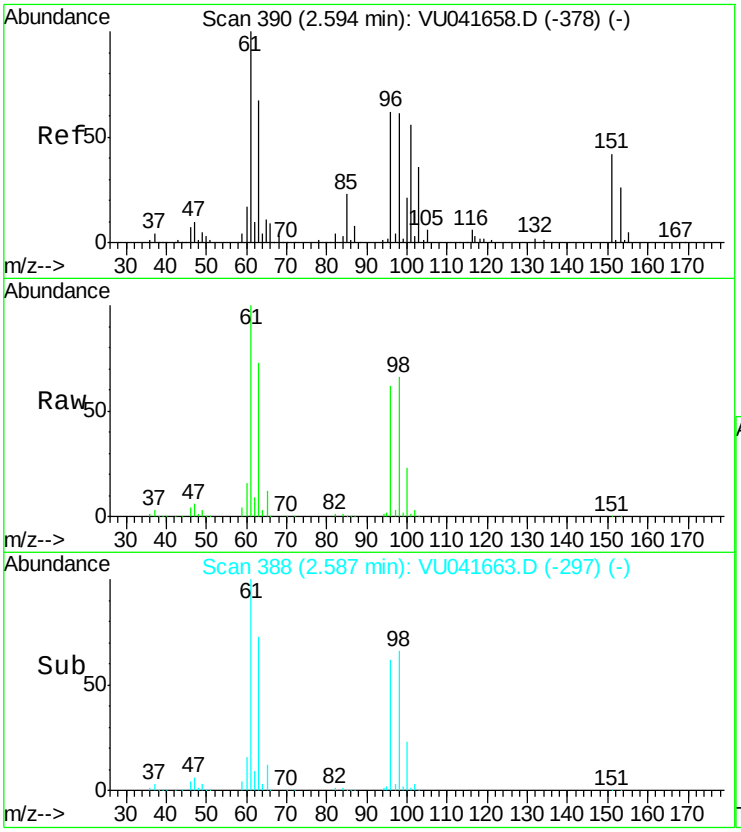


#9
Trichlorofluoromethane
Concen: 74.677 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.01 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion:101 Resp: 263007

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.0



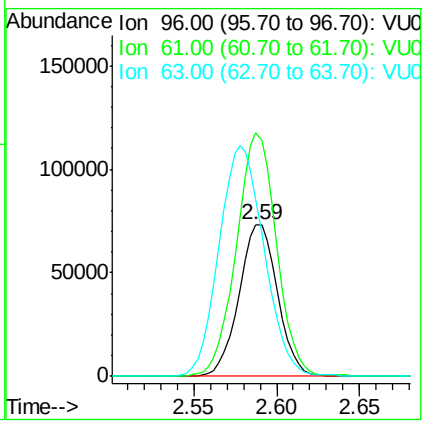


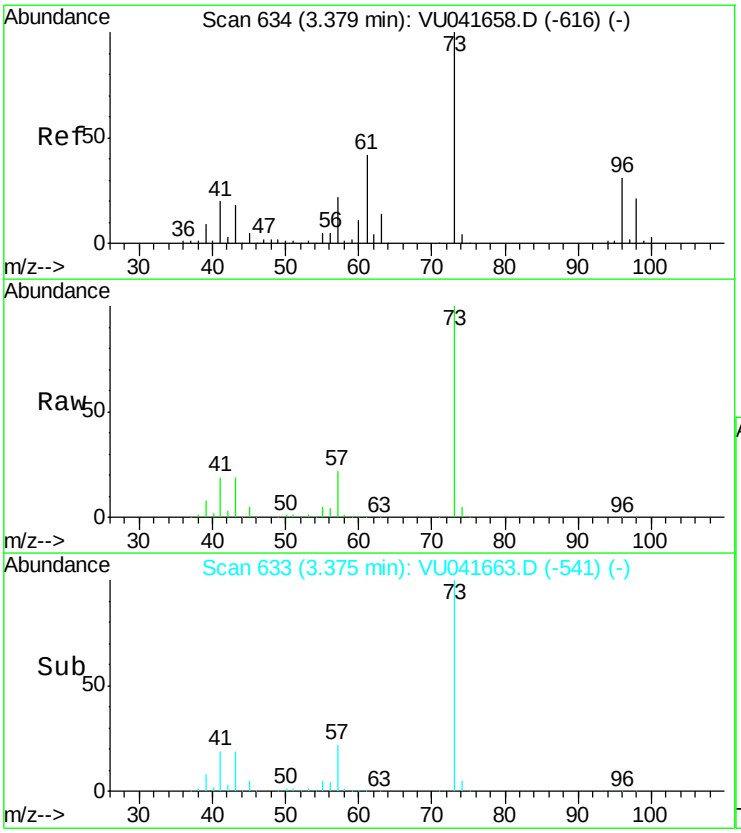
#12
1,1-Dichloroethene
Concen: 64.930 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.01 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument : MSVOA_U
ClientSampleId : X2S35

Tgt Ion: 96 Resp: 118333

Ion	Ratio	Lower	Upper
96	100		
61	160.2	114.3	212.3
63	116.3	83.0	154.2

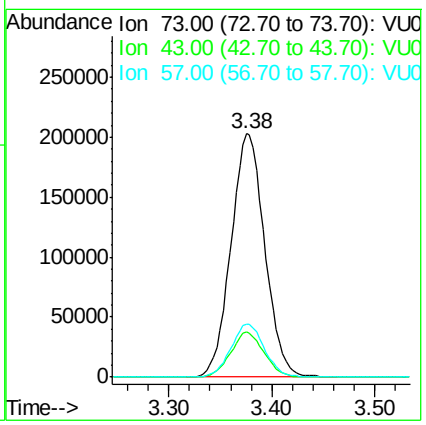


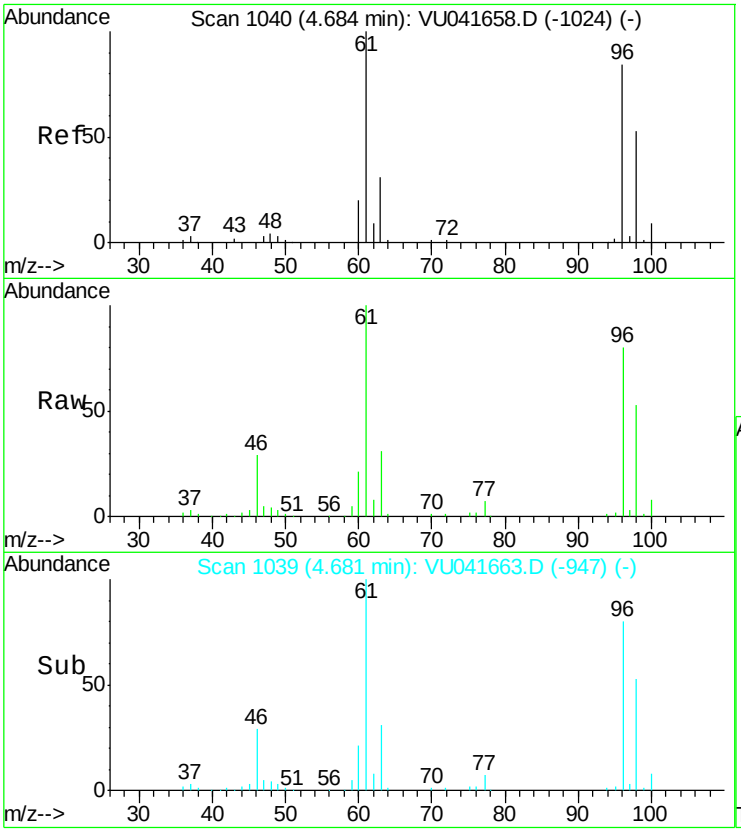


#18
Methyl tert-butyl Ether
Concen: 78.631 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion: 73 Resp: 461108

Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.8	22.2
57	21.7	17.0	25.6



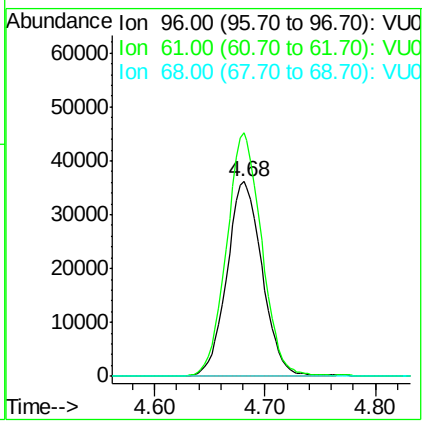


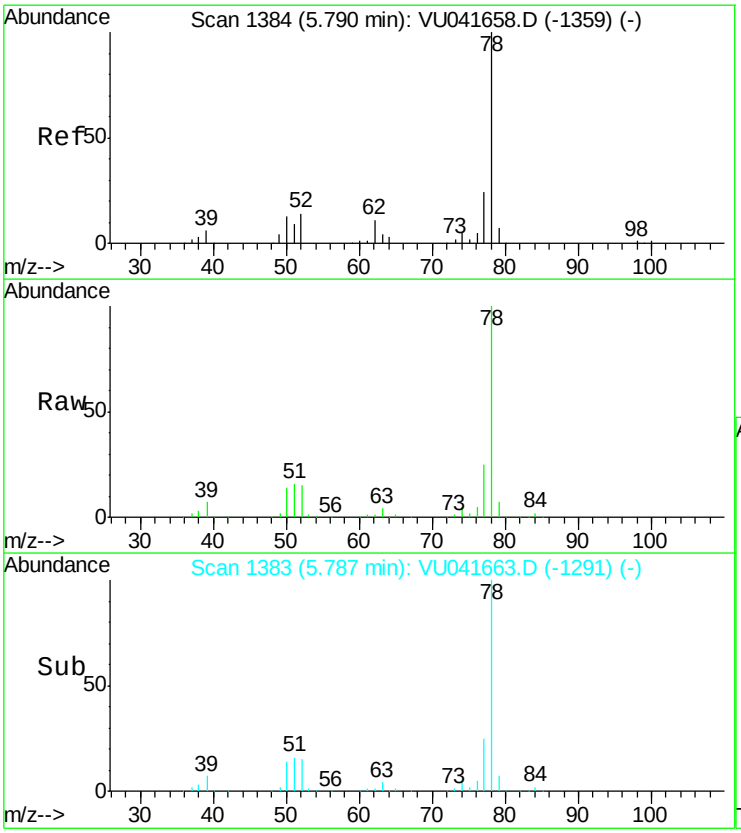
#20
cis-1,2-Dichloroethene
Concen: 38.692 ug/L
RT: 4.68 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument :
MSVOA_U
ClientSampleId :
X2S35

Tgt Ion: 96 Resp: 80068

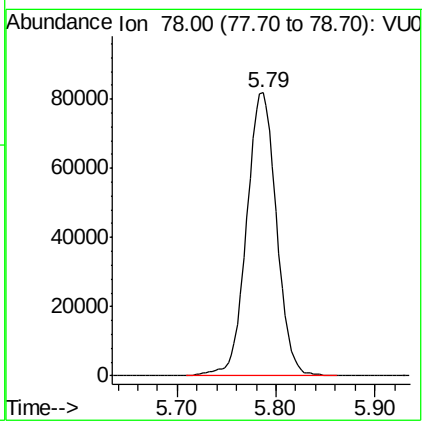
Ion	Ratio	Lower	Upper
96	100		
61	125.1	83.7	155.5
68	0.0	0.0	0.0

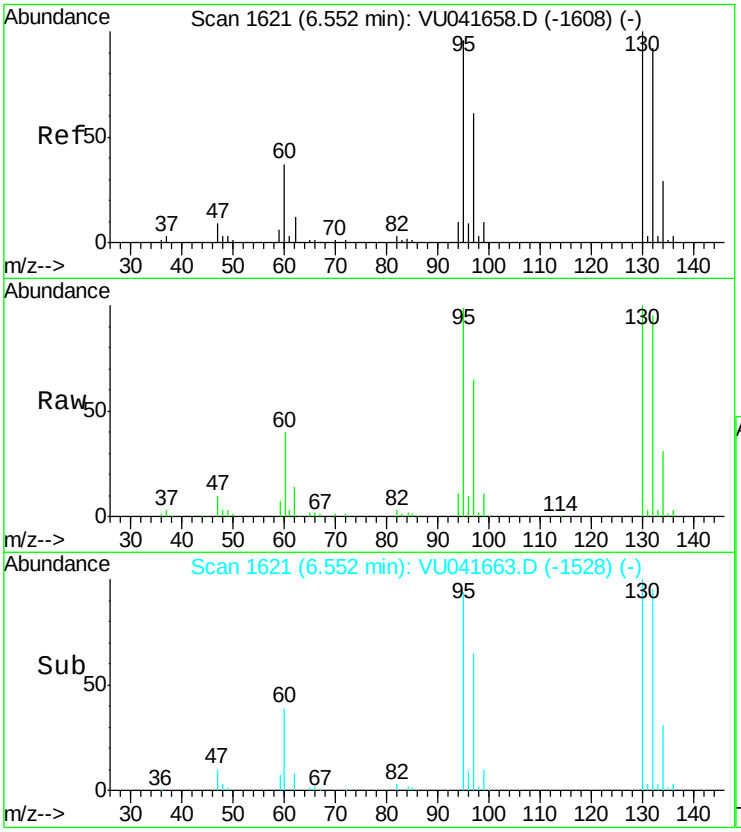




#33
Benzene
Concen: 21.033 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion: 78 Resp: 170991



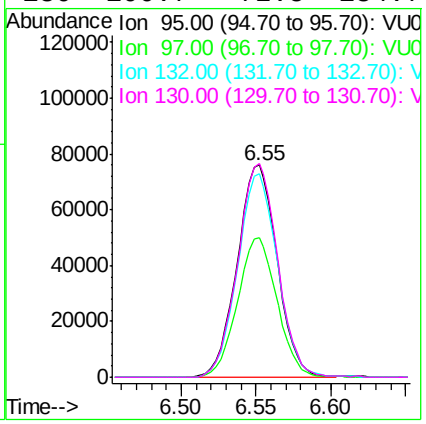


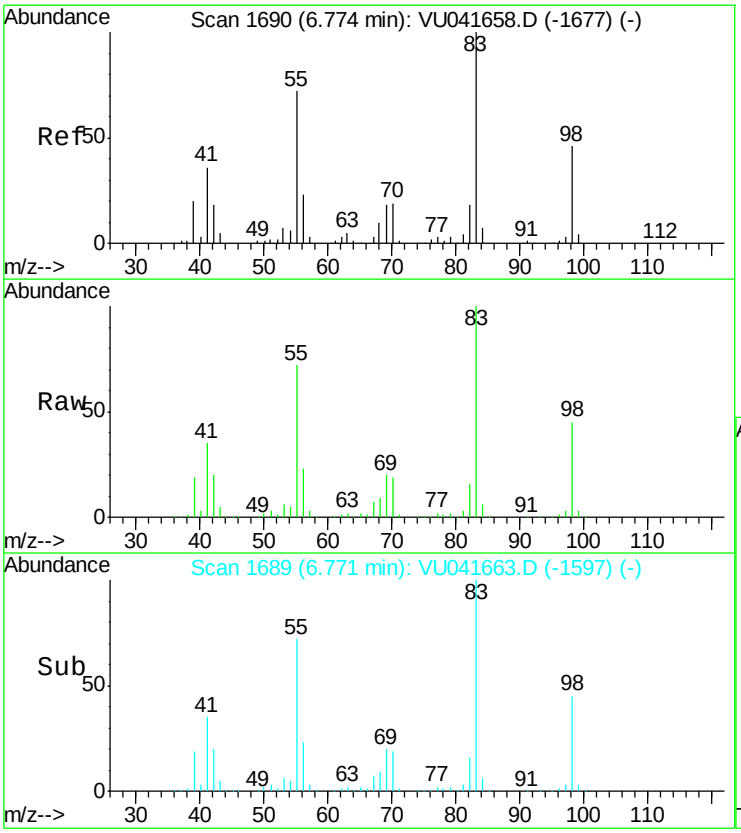
#34
Trichloroethene
Concen: 67.044 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument :
MSVOA_U
ClientSampleId :
X2S35

Tgt Ion: 95 Resp: 141219

Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.5	82.7
132	95.9	66.7	123.9
130	100.7	72.5	134.7

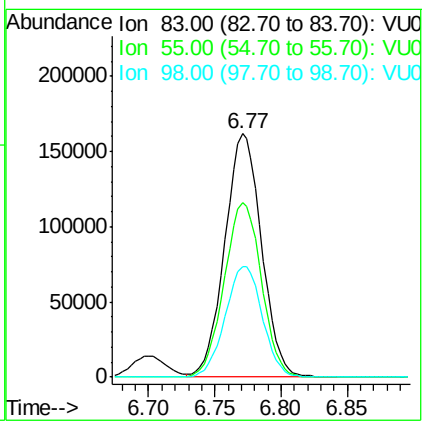


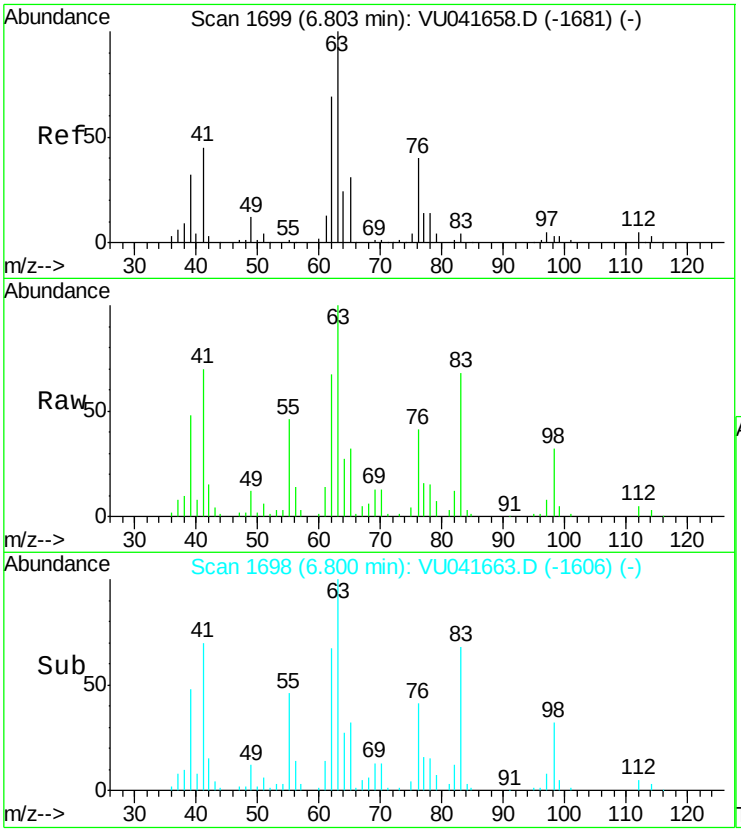


#35
Methylcyclohexane
Concen: 92.995 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion: 83 Resp: 310563

Ion	Ratio	Lower	Upper
83	100		
55	73.0	57.8	86.6
98	46.1	37.7	56.5



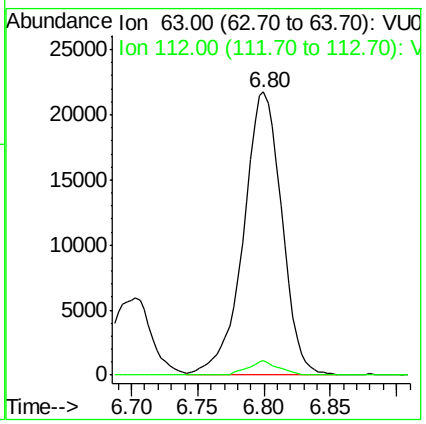


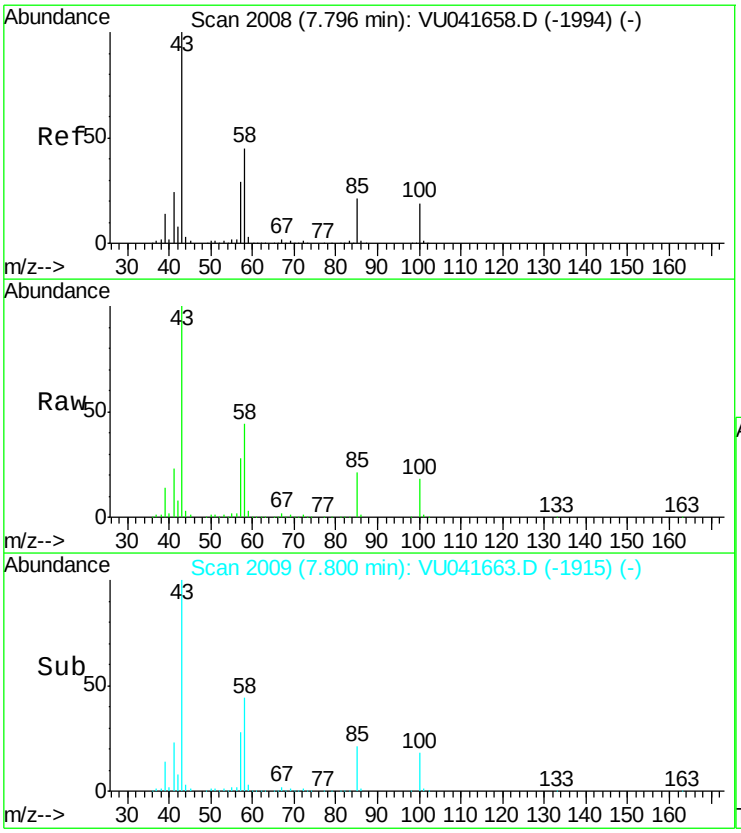
#37
1,2-Dichloropropane
Concen: 21.519 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument : MSVOA_U
ClientSampleId : X2S35

Tgt Ion: 63 Resp: 43946

Ion	Ratio	Lower	Upper
63	100		
112	4.0	3.5	5.3

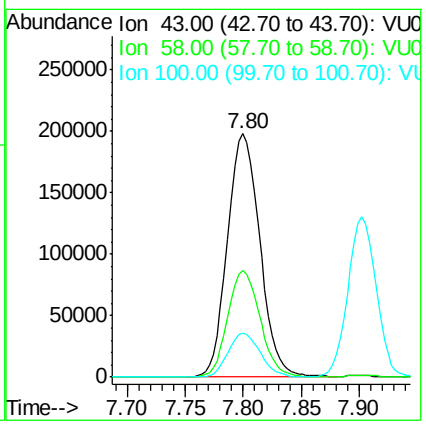


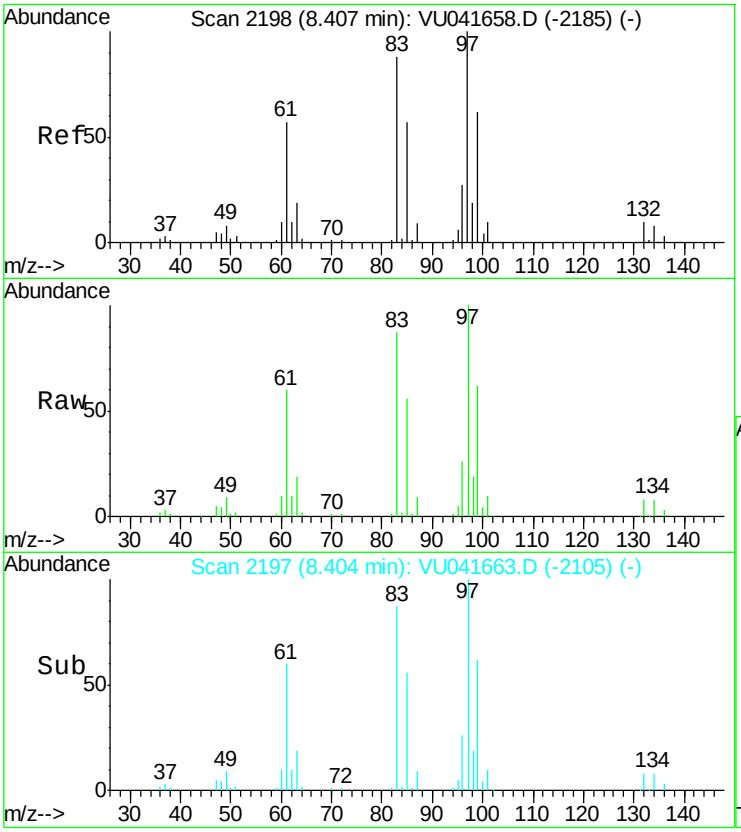


#40
4-Methyl-2-pentanone
Concen: 128.440 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion: 43 Resp: 385134

Ion	Ratio	Lower	Upper
43	100		
58	43.5	36.1	54.1
100	18.0	14.9	22.3



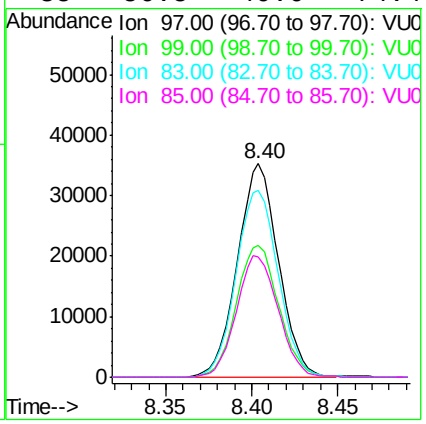


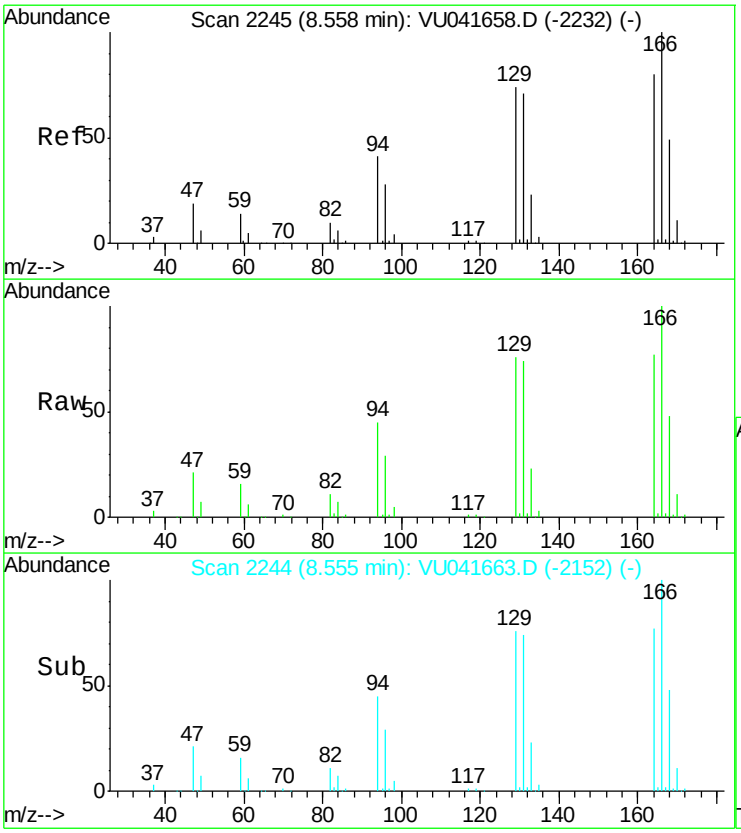
#45
1,1,2-Trichloroethane
Concen: 28.420 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument : MSVOA_U
ClientSampleId : X2S35

Tgt Ion: 97 Resp: 58717

Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.3	80.3
83	87.3	61.4	114.0
85	56.5	40.0	74.4

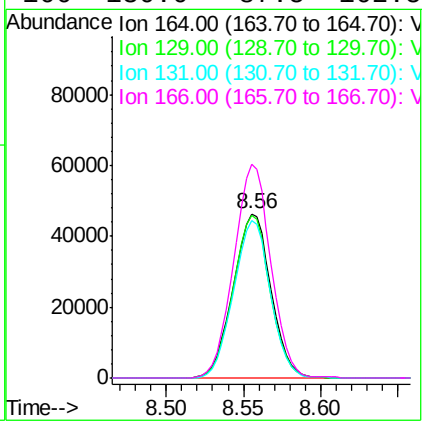


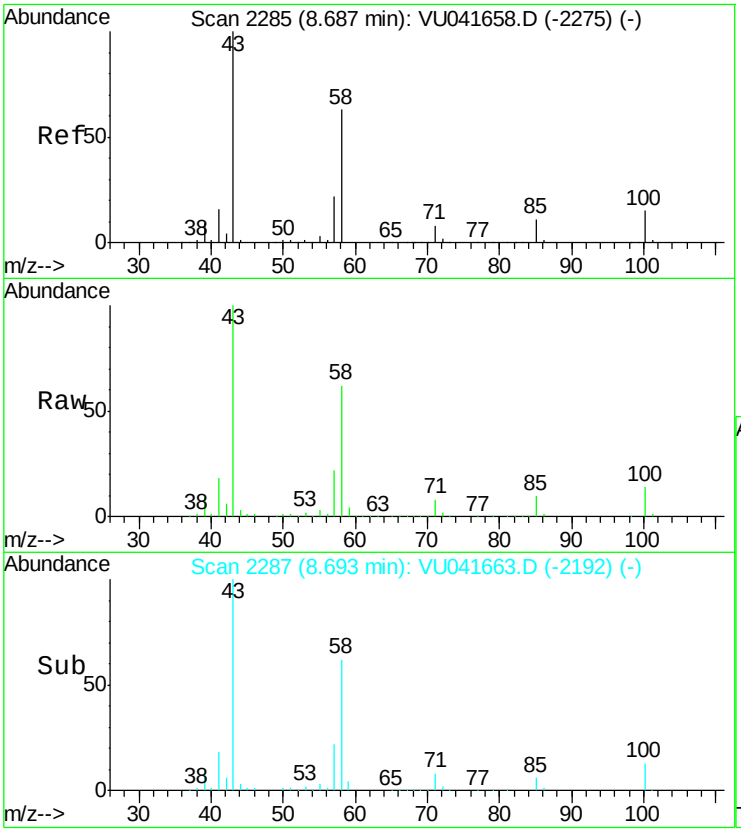


#46
Tetrachloroethene
Concen: 48.041 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion:164 Resp: 78537

Ion	Ratio	Lower	Upper
164	100		
129	99.1	64.5	119.9
131	96.1	62.5	116.1
166	130.0	87.5	162.5



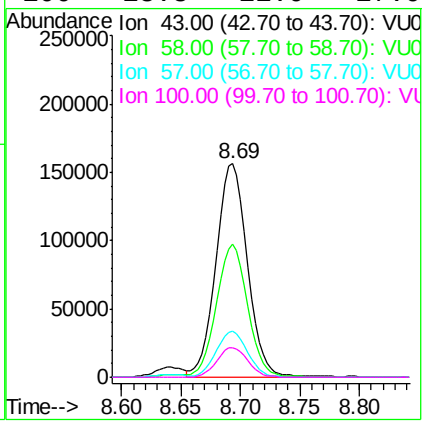


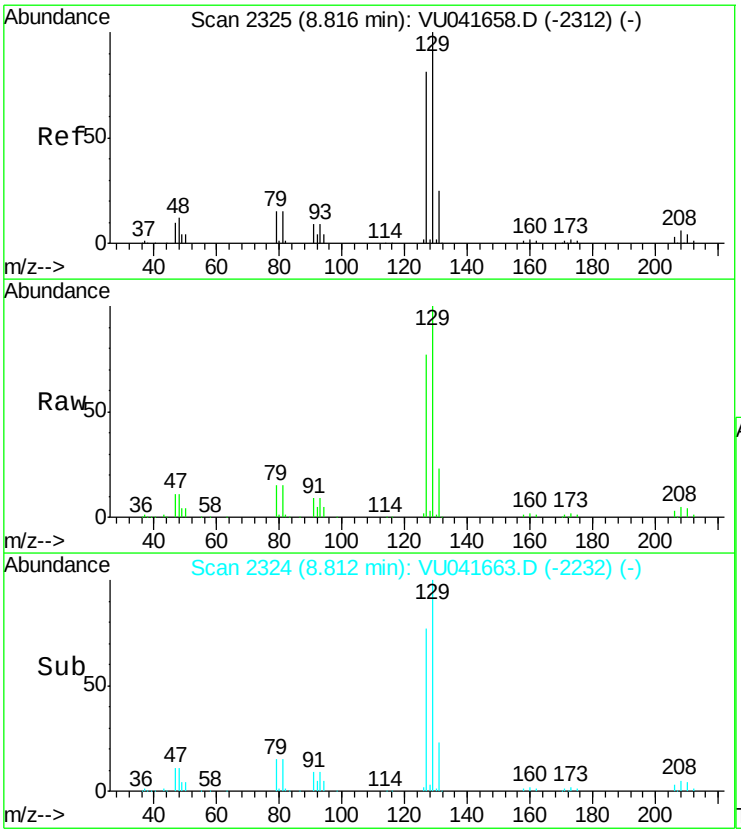
#48
2-Hexanone
Concen: 117.540 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument : MSVOA_U
ClientSampleId : X2S35

Tgt Ion: 43 Resp: 286368

Ion	Ratio	Lower	Upper
43	100		
58	61.8	50.4	75.6
57	21.6	17.9	26.9
100	13.8	11.9	17.9

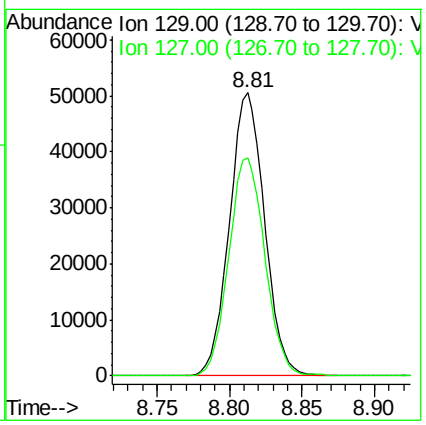


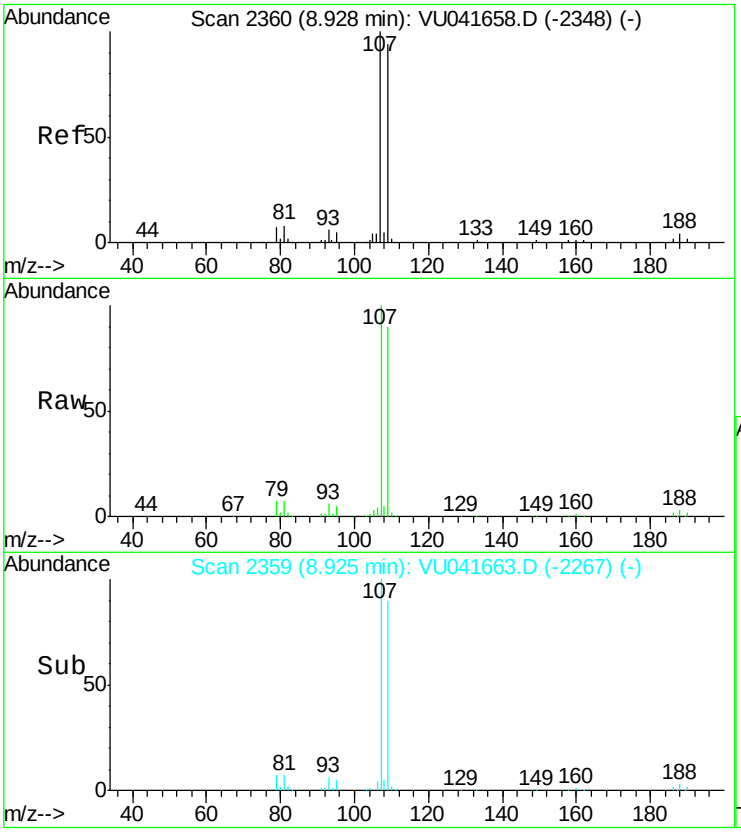


#49
Dibromochloromethane
Concen: 38.008 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion:129 Resp: 85031

Ion	Ratio	Lower	Upper
129	100		
127	77.0	56.6	105.2



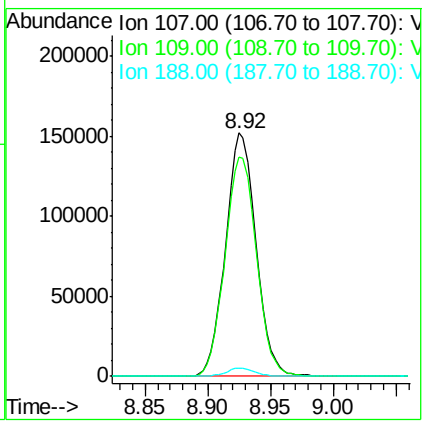


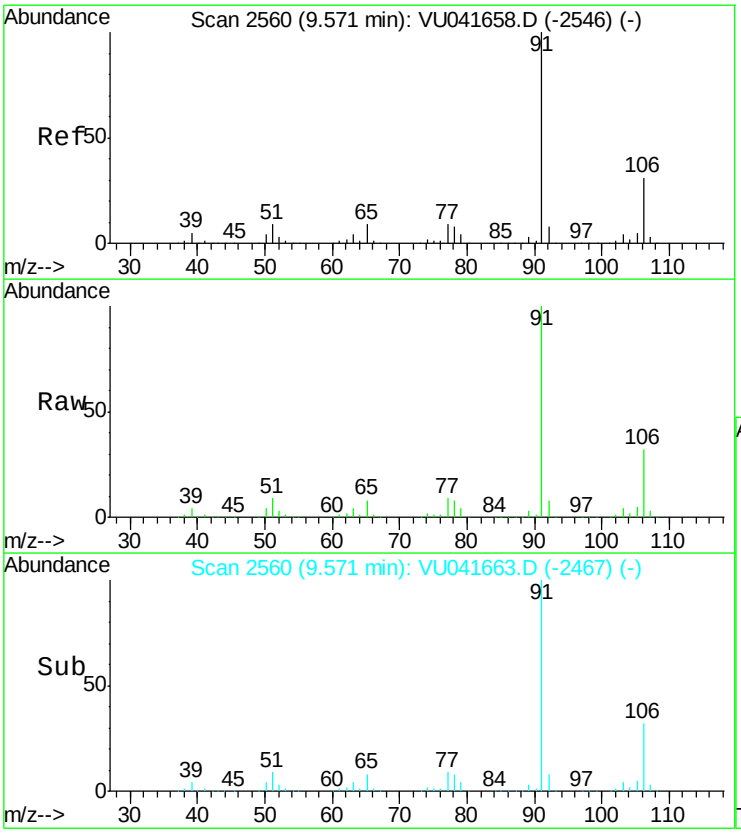
#50
1,2-Dibromoethane
Concen: 119.166 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument :
MSVOA_U
ClientSampleId :
X2S35

Tgt Ion:107 Resp: 257013

Ion	Ratio	Lower	Upper
107	100		
109	90.2	65.7	122.1
188	3.5	2.9	4.3

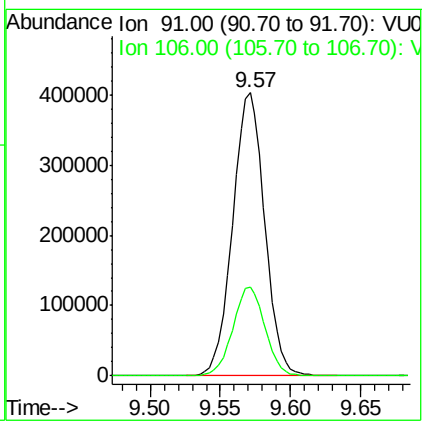


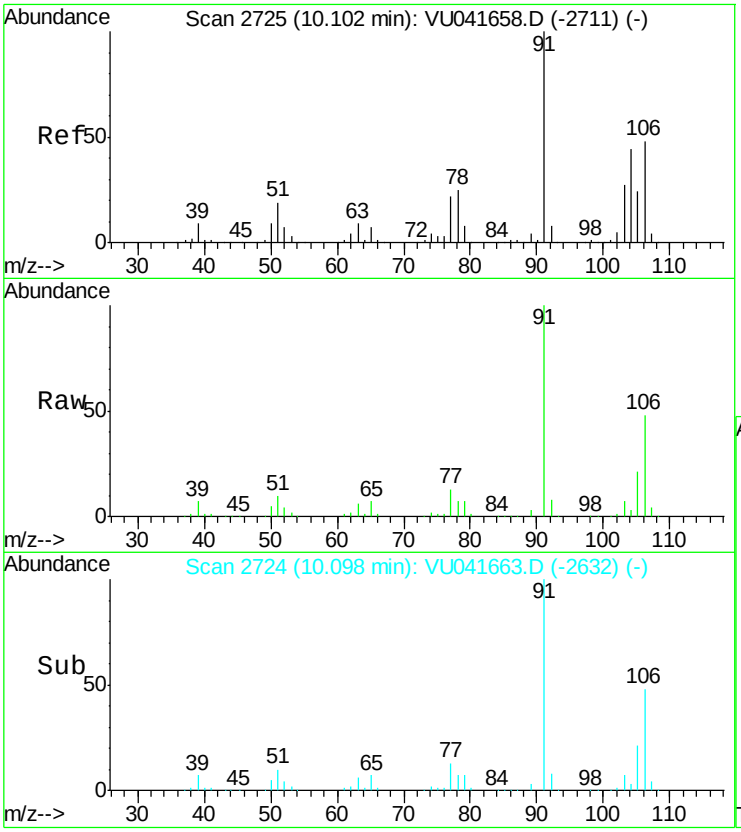


#52
Ethylbenzene
Concen: 70.856 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion: 91 Resp: 640131

Ion	Ratio	Lower	Upper
91	100		
106	31.6	21.5	39.9



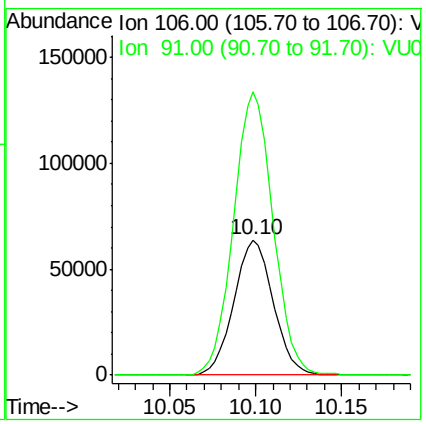


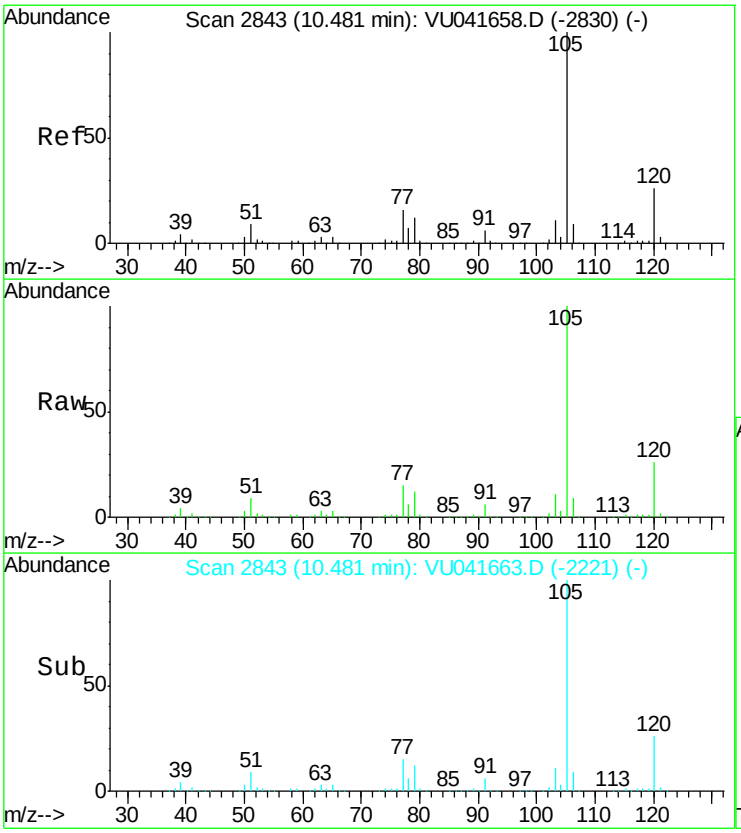
#54
o-xylene
Concen: 29.879 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument :
MSVOA_U
ClientSampleId :
X2S35

Tgt Ion:106 Resp: 101261

Ion	Ratio	Lower	Upper
106	100		
91	209.5	147.2	273.4

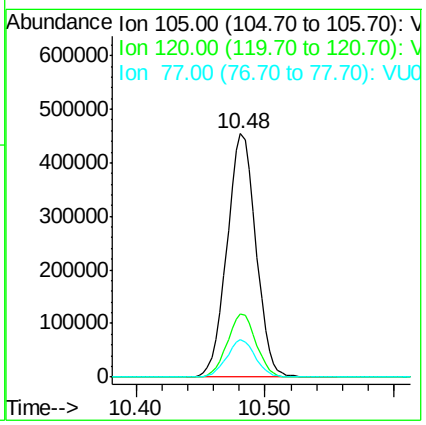


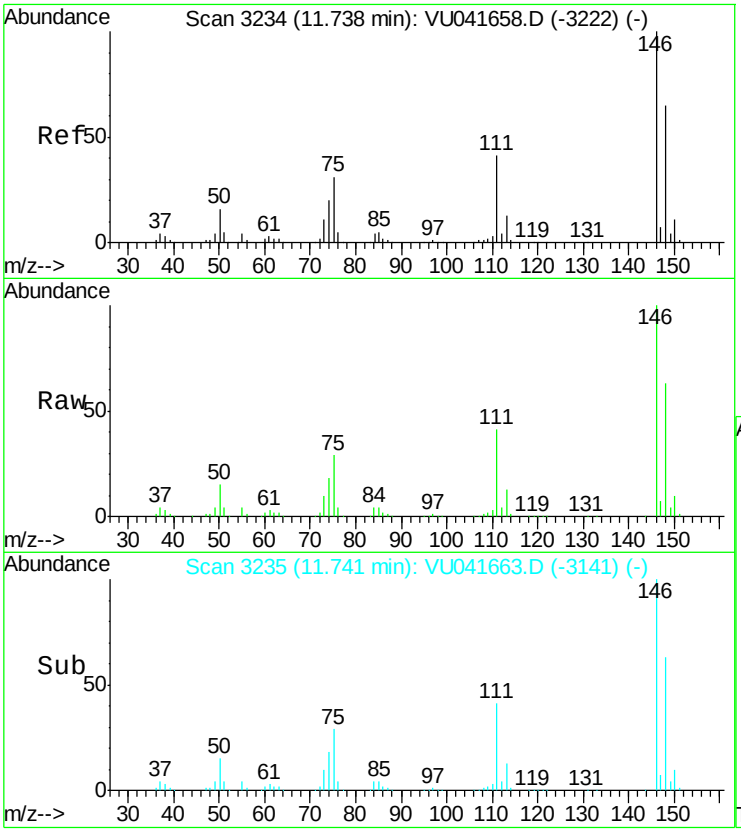


#61
Isopropylbenzene
Concen: 80.556 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion:105 Resp: 705975

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1
77	15.2	12.6	18.8



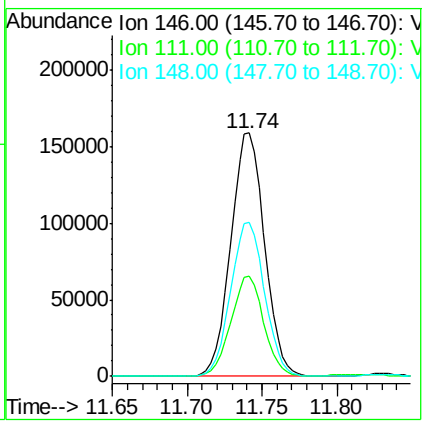


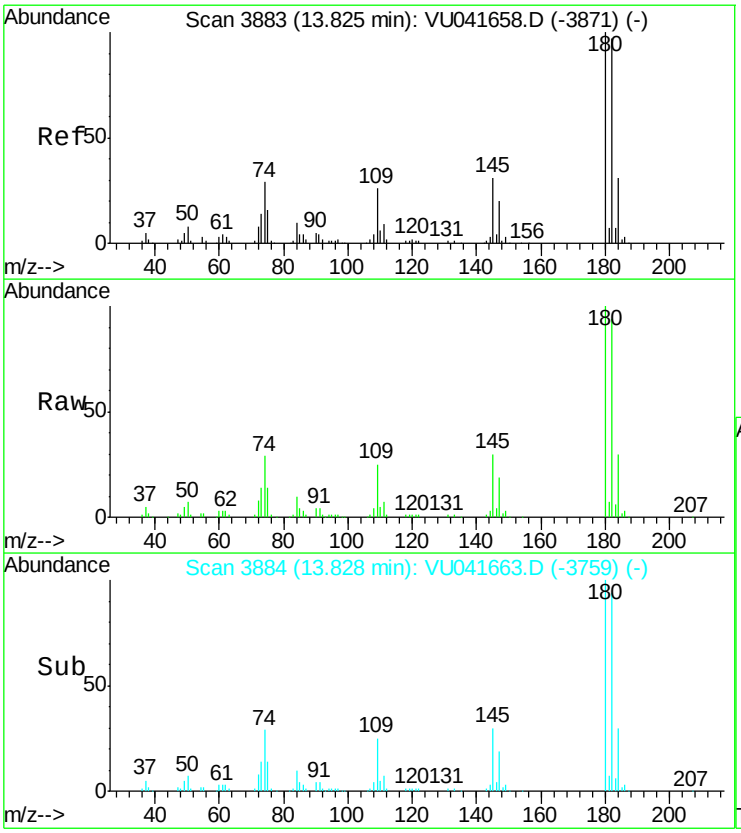
#64
1,3-Dichlorobenzene
Concen: 59.550 ug/L
RT: 11.74 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Instrument :
MSVOA_U
ClientSampleId :
X2S35

Tgt Ion:146 Resp: 249955

Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.7	53.3
148	63.4	45.5	84.5





#70
1,2,4-trichlorobenzene
Concen: 47.959 ug/L
RT: 13.83 min Scan# 3884
Delta R.T. 0.00 min
Lab File: VU041663.D
Acq: 16 Dec 2020 12:05

Tgt Ion:180 Resp: 116238

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	30.5	24.1	36.1