Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\

Quantitation Report (Not Reviewed)

Data File : VU033646.D
Acq On : 08 Aug 2019 18:33
Operator : JC/SP
Sample : K4202-05 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F2B22DL

Quant Time: Aug 09 07:44:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	296806	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	299448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	140715	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	151624	45.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 90.50%			
7) Chloroethane-d5	1.67	69	124431	43.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.74%			
11) 1,1-Dichloroethene-d2	2.26	63	192230	35.49	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.98%			
21) 2-Butanone-d5	4.15	46	211944	86.37	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 86.37%			
24) Chloroform-d	4.62	84	224946	40.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.04%			
26) 1,2-Dichloroethane-d4	5.29	65	153003	42.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 85.46%			
32) Benzene-d6	5.32	84	479306	42.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 85.84%			
36) 1,2-Dichloropropane-d6	6.31	67	152704	43.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 86.02%			
41) Toluene-d8	7.55	98	433195	41.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 83.92%			
43) trans-1,3-Dichloropropene-	7.83	79	72263	41.58	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.16%			
47) 2-Hexanone-d5	8.30	63	152470	85.77	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 85.77%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	227342	40.93	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 81.86%			
64) 1,2-Dichlorobenzene-d4	11.85	152	171958	44.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.46%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	36124	11.213	ug/L	94
8) Chloroethane	1.69	64	6504	3.237	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1865	0.848	ug/L #	19
12) 1,1-Dichloroethene	2.26	96	2436	1.160	ug/L #	1
17) trans-1,2-Dichloroethene	2.97	96	2390	1.093	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	157686	64.010	ug/L	100
25) Chloroform	4.65	83	8877	1.986	ug/L	88
34) Trichloroethene	6.17	95	87421	36.054	ug/L	97
37) 1,2-Dichloropropane	6.31	63	16914	6.620	ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	4401	1.157	ug/L #	50
46) Tetrachloroethene	8.21	164	112008	56.941	ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	16832	4.825	ug/L	91

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

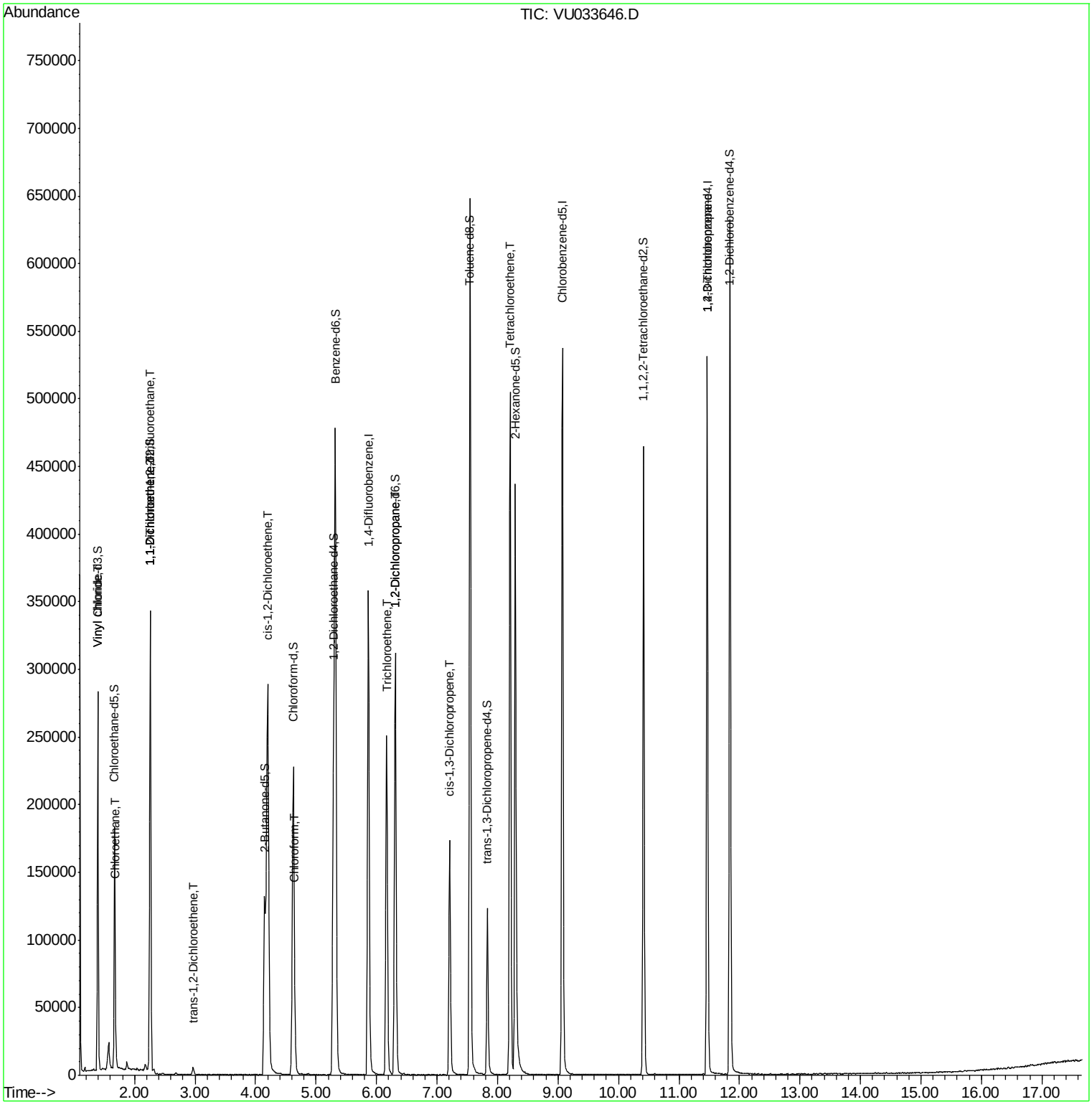
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\

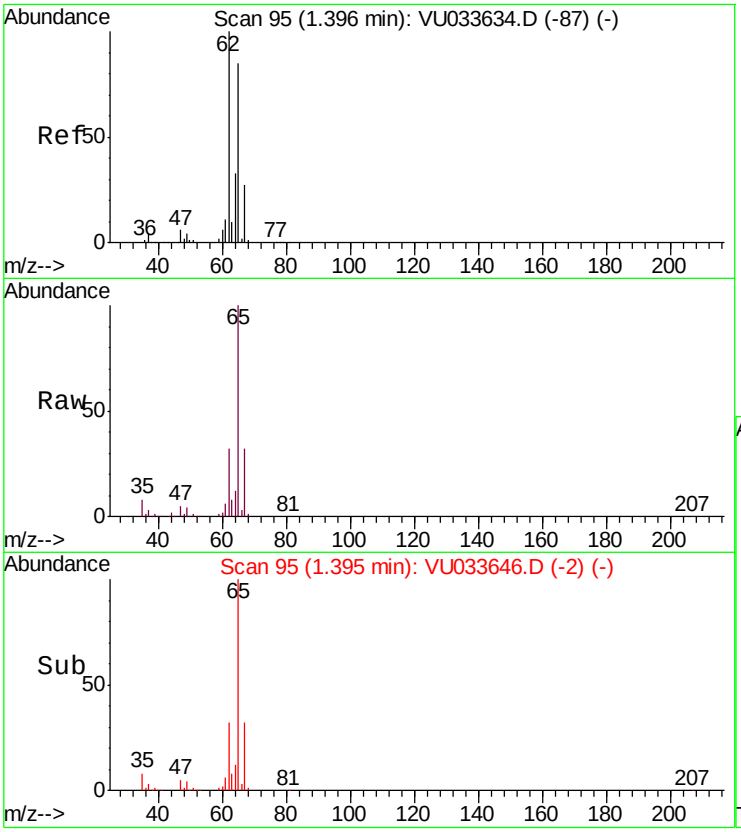
Quantitation Report (Not Reviewed)

Data File : VU033646.D
Acq On : 08 Aug 2019 18:33
Operator : JC/SP
Sample : K4202-05 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F2B22DL

Quant Time: Aug 09 07:44:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration



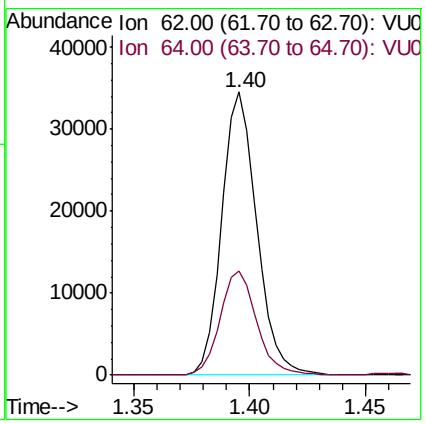


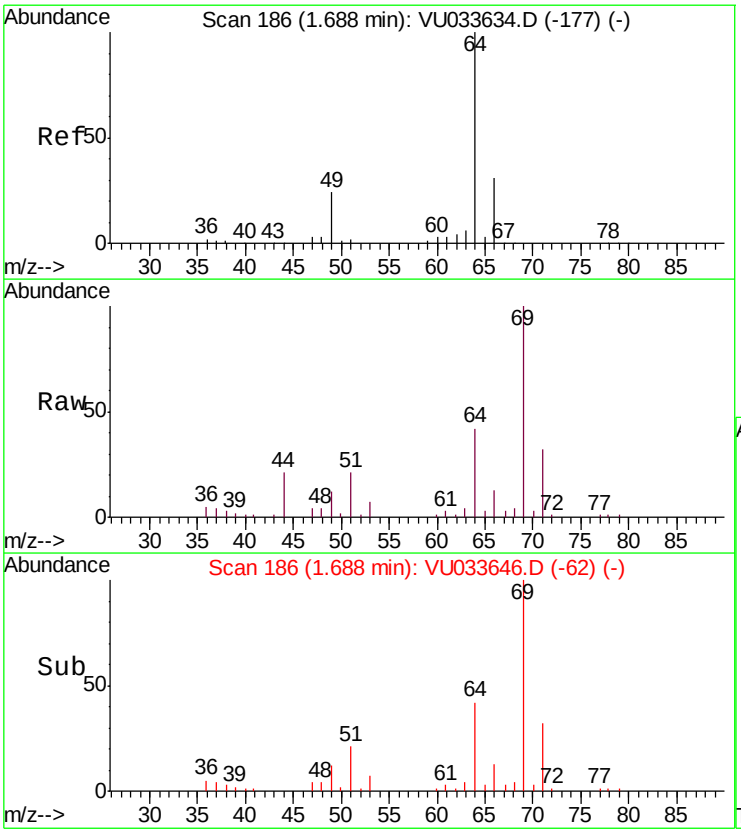
#5
Vinyl chloride
Concen: 11.213 ug/L
RT: 1.40 min Scan# 95
Delta R.T. -0.00 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Instrument :
MSVOA_U
ClientSampleId :
F2B22DL

Tgt Ion: 62 Resp: 36124

Ion	Ratio	Lower	Upper
62	100		
64	36.9	23.6	43.8

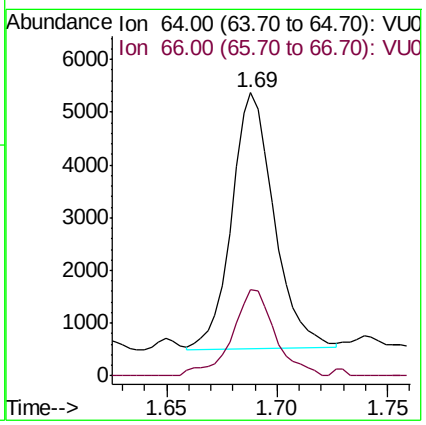


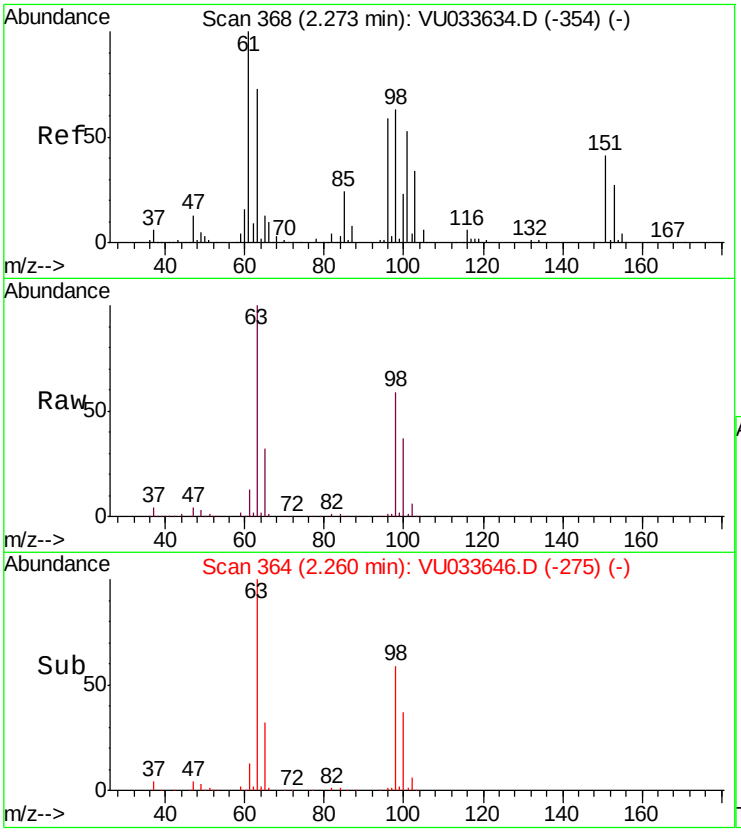


#8
Chloroethane
Concen: 3.237 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Tgt Ion: 64 Resp: 6504

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.0	42.8



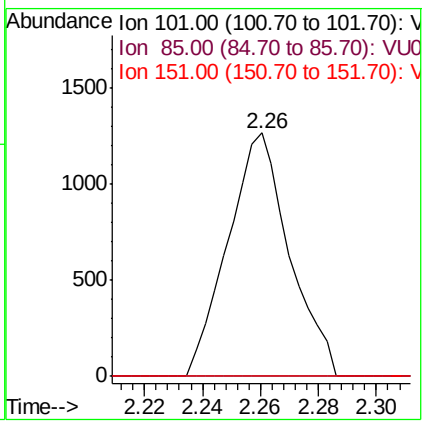


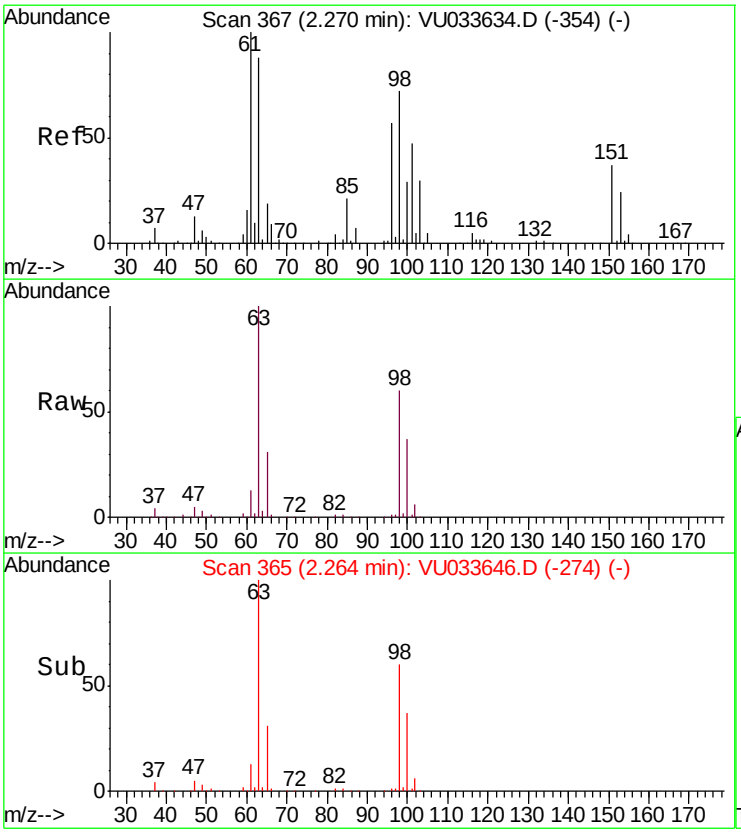
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.848 ug/L
RT: 2.26 min Scan# 364
Delta R.T. -0.01 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Instrument : MSVOA_U
ClientSampleId : F2B22DL

Tgt Ion:101 Resp: 1865

Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.8	52.2#
151	0.0	60.4	90.6#

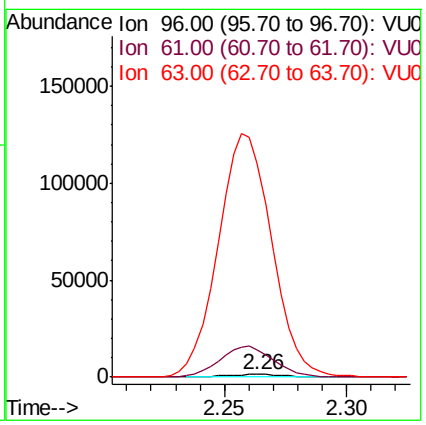


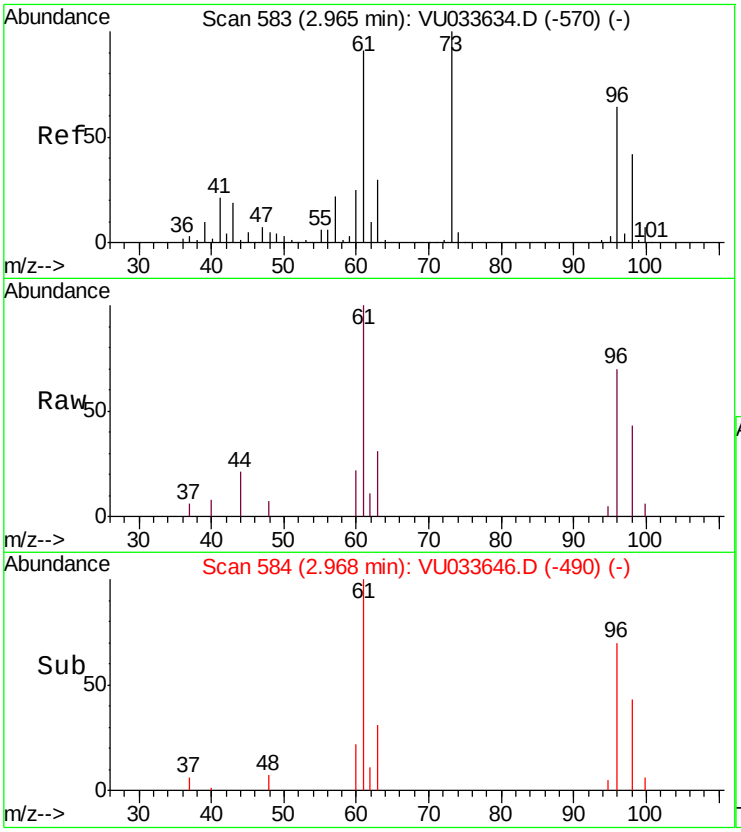


#12
1,1-Dichloroethene
Concen: 1.160 ug/L
RT: 2.26 min Scan# 365
Delta R.T. -0.01 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Tgt Ion: 96 Resp: 2436

Ion	Ratio	Lower	Upper
96	100		
61	944.1	124.0	230.2#
63	7373.0	114.9	213.5#



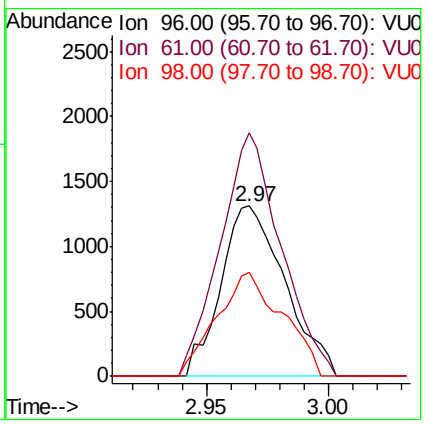


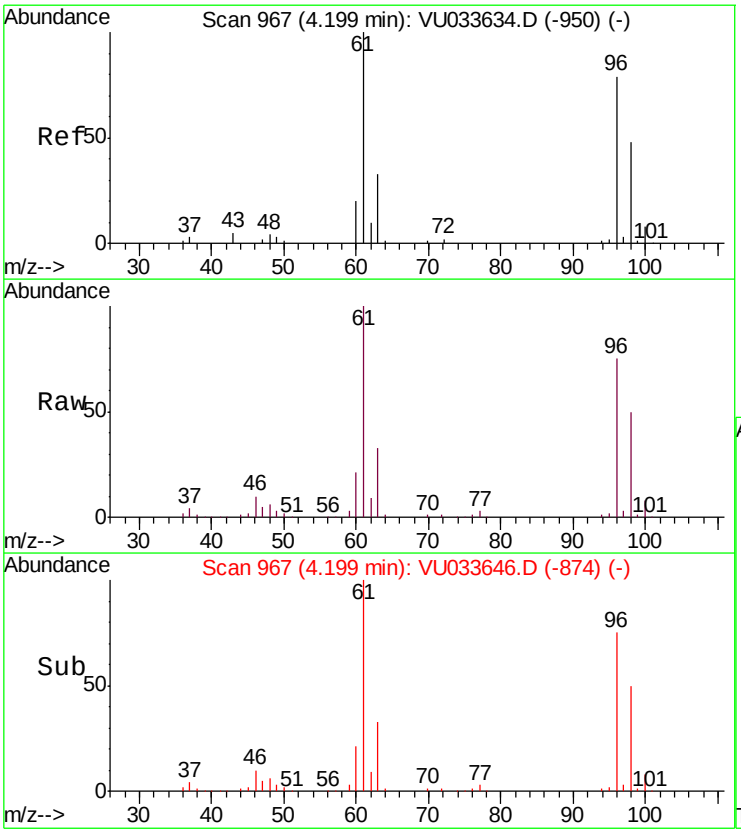
#17
trans-1,2-Dichloroethene
Concen: 1.093 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Instrument :
MSVOA_U
ClientSampleId :
F2B22DL

Tgt Ion: 96 Resp: 2390

Ion	Ratio	Lower	Upper
96	100		
61	142.7	98.7	183.3
98	60.7	44.6	82.8

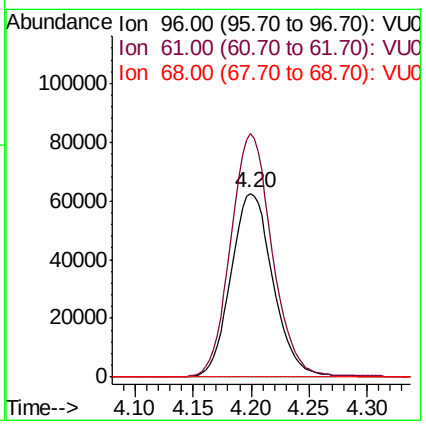


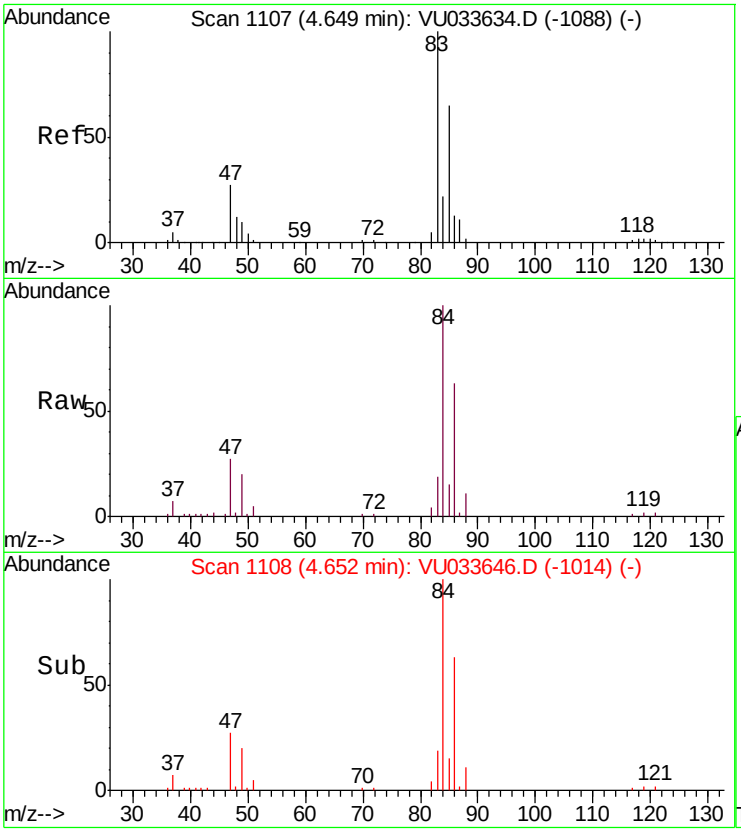


#20
cis-1,2-Dichloroethene
Concen: 64.010 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Tgt Ion: 96 Resp: 157686

Ion	Ratio	Lower	Upper
96	100		
61	132.7	93.0	172.8
68	0.0	0.0	0.0



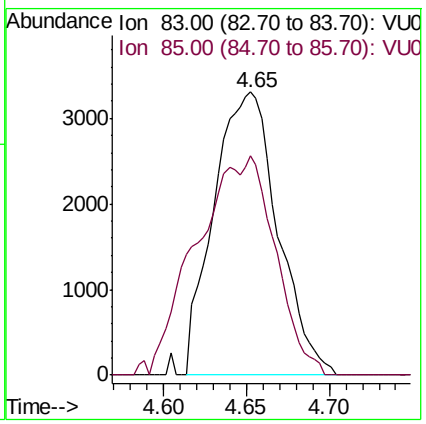


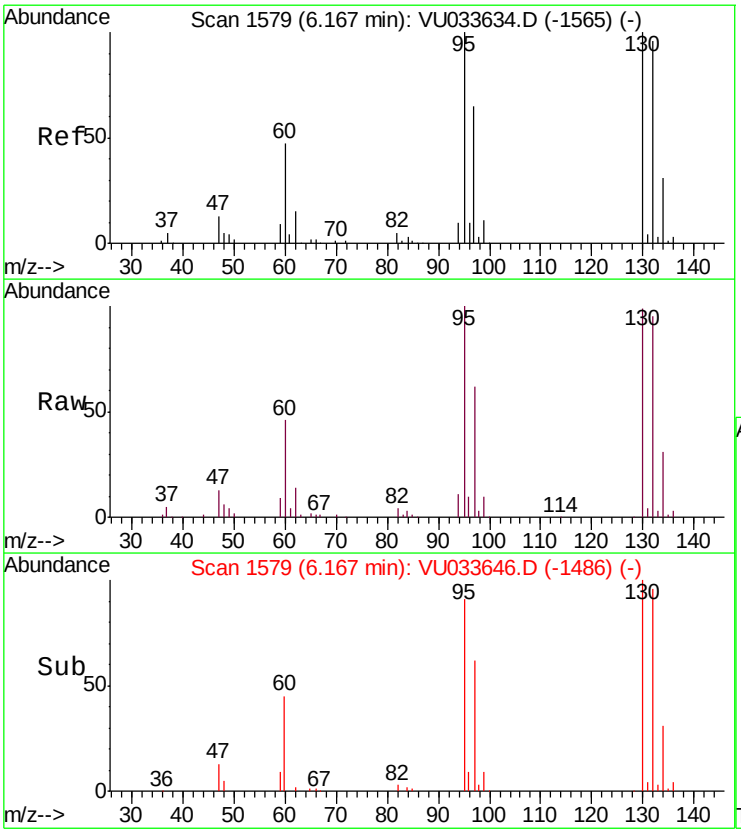
#25
Chloroform
Concen: 1.986 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Instrument : MSVOA_U
ClientSampleId : F2B22DL

Tgt Ion: 83 Resp: 8877

Ion	Ratio	Lower	Upper
83	100		
85	77.3	47.2	87.6

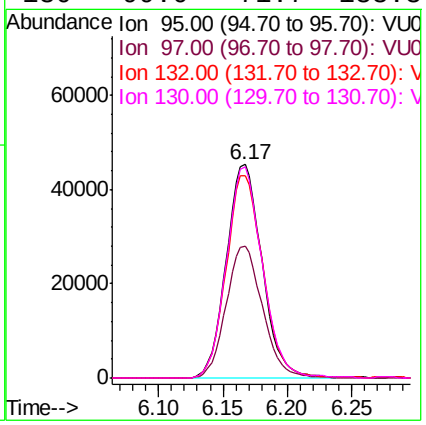


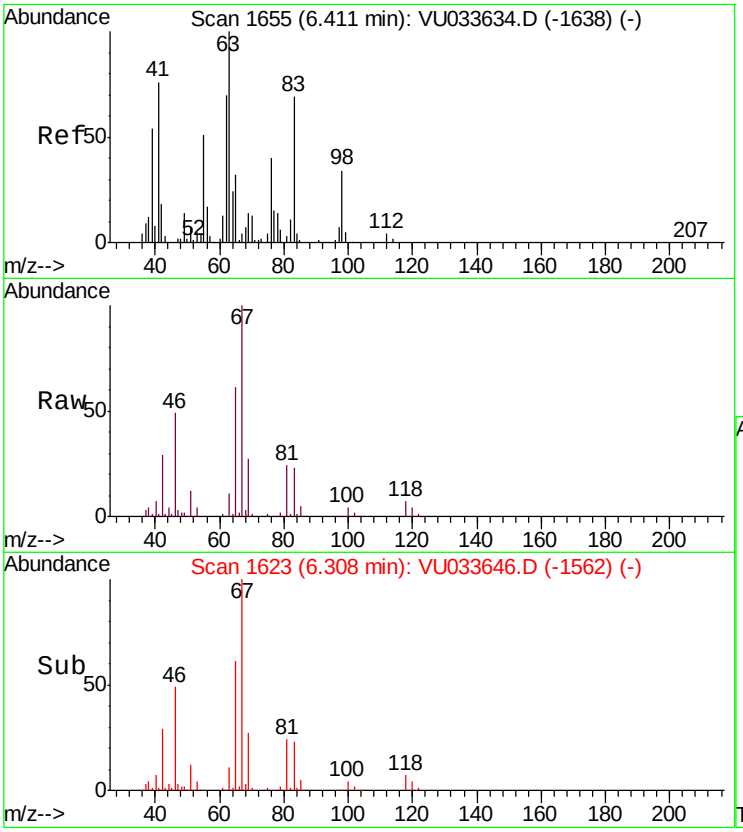


#34
Trichloroethene
Concen: 36.054 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Tgt Ion: 95 Resp: 87421

Ion	Ratio	Lower	Upper
95	100		
97	61.9	44.4	82.5
132	95.0	69.1	128.3
130	99.0	71.7	133.3



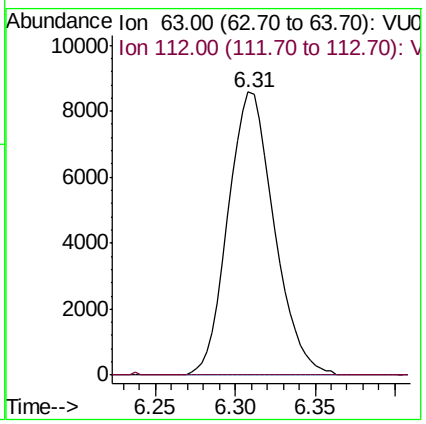


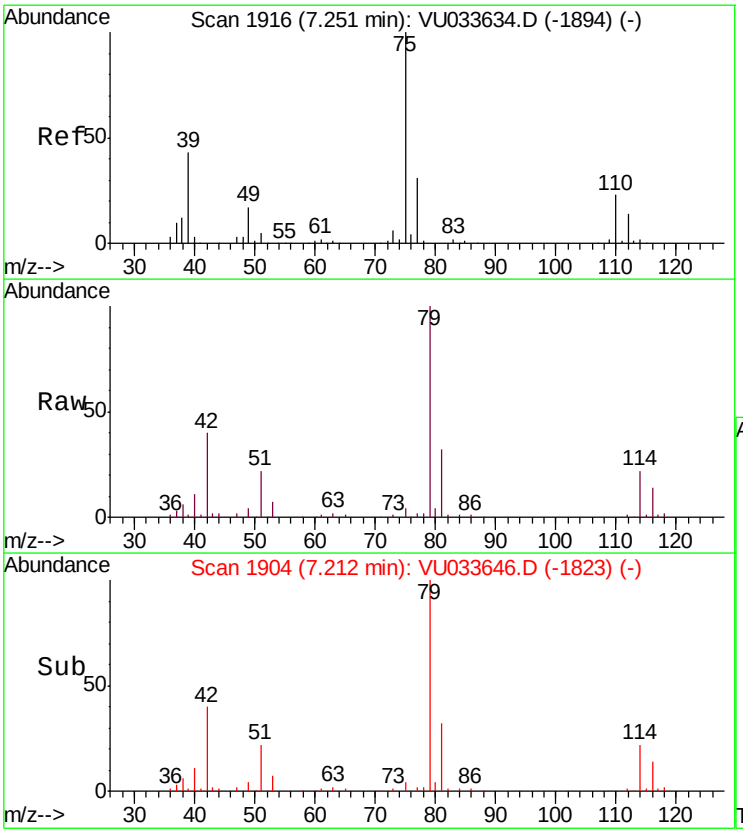
#37
1,2-Dichloropropane
Concen: 6.620 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Instrument : MSVOA_U
ClientSampleId : F2B22DL

Tgt Ion: 63 Resp: 16914

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.6#

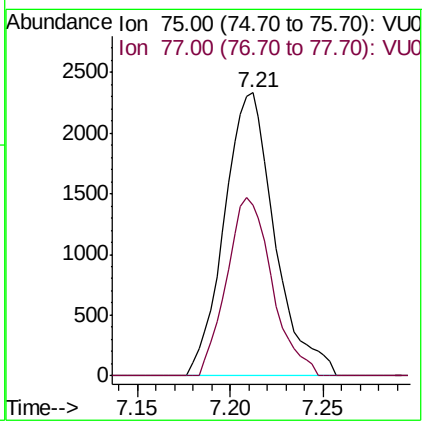


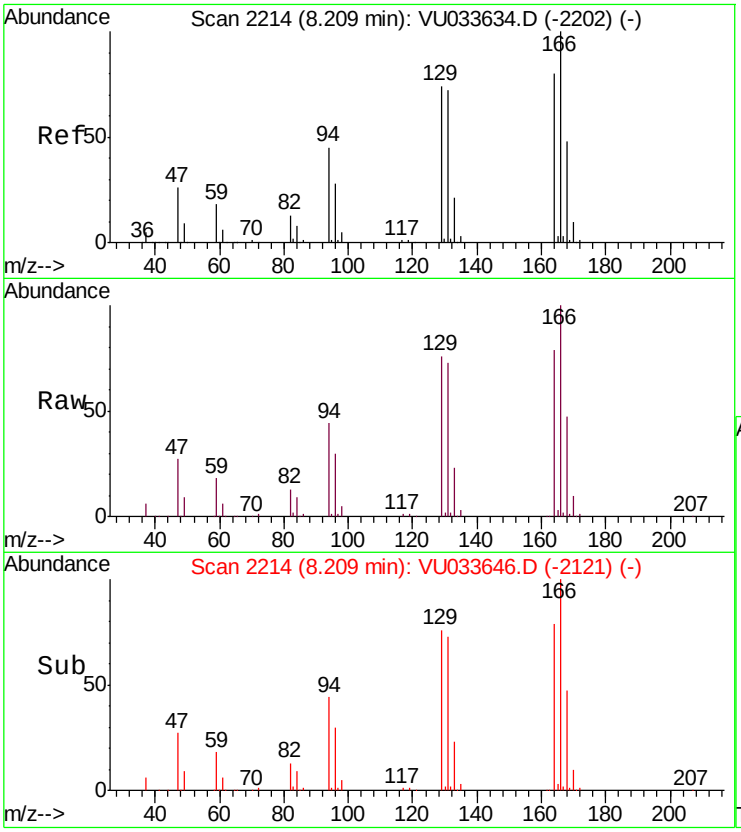


#39
cis-1,3-Dichloropropene
Concen: 1.157 ug/L
RT: 7.21 min Scan# 1904
Delta R.T. -0.04 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Tgt Ion: 75 Resp: 4401

Ion	Ratio	Lower	Upper
75	100		
77	60.3	22.5	41.9#



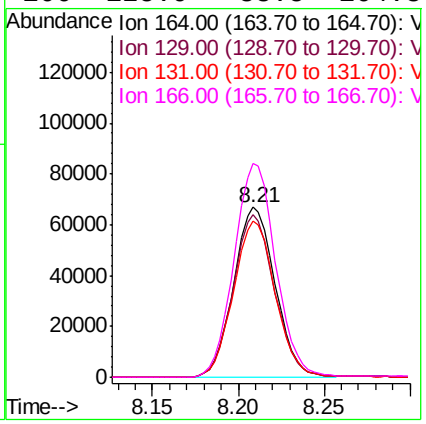


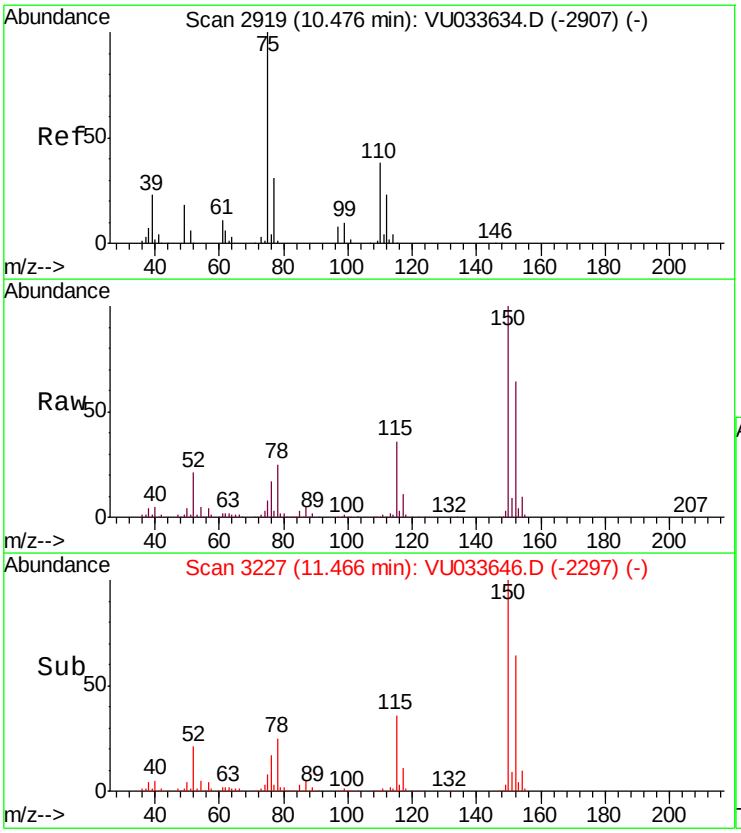
#46
Tetrachloroethene
Concen: 56.941 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Instrument : MSVOA_U
ClientSampleId : F2B22DL

Tgt Ion:164 Resp: 112008

Ion	Ratio	Lower	Upper
164	100		
129	95.9	68.1	126.5
131	92.3	65.5	121.6
166	125.9	88.5	164.3





#59
1,2,3-Trichloropropane
Concen: 4.825 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033646.D
Acq: 08 Aug 2019 18:33

Tgt Ion: 75 Resp: 16832

Ion	Ratio	Lower	Upper
75	100		
77	36.7	25.5	38.3