Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082119\

Quantitation Report (Not Reviewed)

Data File : VU033862.D
Acq On : 21 Aug 2019 10:45
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTDCCC050

Quant Time: Aug 22 05:38:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 19 16:05:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	365629	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	383542	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	206369	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	141387	42.98	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.96%			
7) Chloroethane-d5	1.67	69	129176	41.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.98%			
11) 1,1-Dichloroethene-d2	2.26	63	265699	48.33	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.66%			
21) 2-Butanone-d5	4.15	46	173828	100.76	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.76%			
24) Chloroform-d	4.62	84	265973	50.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.46%			
26) 1,2-Dichloroethane-d4	5.28	65	162731	49.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.26%			
32) Benzene-d6	5.32	84	488652	45.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.46%			
36) 1,2-Dichloropropane-d6	6.31	67	162924	46.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.56%			
41) Toluene-d8	7.55	98	465723	46.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.80%			
43) trans-1,3-Dichloropropene-	7.83	79	73724	45.39	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.78%			
47) 2-Hexanone-d5	8.29	63	120236	93.72	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.72%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	247406	51.39	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.78%			
64) 1,2-Dichlorobenzene-d4	11.84	152	192098	46.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	202986	56.624	ug/L	99
3) Chloromethane	1.32	50	183059	49.652	ug/L	100
5) Vinyl chloride	1.39	62	224541	54.677	ug/L	99
6) Bromomethane	1.61	94	105458	33.965	ug/L	99
8) Chloroethane	1.69	64	141776	49.835	ug/L	96
9) Trichlorofluoromethane	1.87	101	306114	56.207	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	153645	58.933	ug/L	100
12) 1,1-Dichloroethene	2.27	96	141103	55.840	ug/L	95
13) Acetone	2.30	43	213333	125.825	ug/L	97
14) Carbon disulfide	2.46	76	426832	53.566	ug/L	100
15) Methyl Acetate	2.60	43	149794	53.574	ug/L	100
16) Methylene chloride	2.68	84	161776	55.247	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	141760	53.815	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	404784	52.656	ug/L	99
19) 1,1-Dichloroethane	3.42	63	281646	55.562	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	156132	54.792	ug/L	100
22) 2-Butanone	4.23	43	228410	117.062	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082119\

Quantitation Report (Not Reviewed)

Data File : VU033862.D
Acq On : 21 Aug 2019 10:45
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTDCCC050

Quant Time: Aug 22 05:38:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 19 16:05:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	86950	55.965	ug/L	99
25) Chloroform	4.65	83	290062	55.061	ug/L	100
27) 1,2-Dichloroethane	5.38	62	223564	55.976	ug/L	99
29) Cyclohexane	4.97	56	218370	53.141	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	244673	52.990	ug/L	99
31) Carbon tetrachloride	5.11	117	221668	52.756	ug/L	99
33) Benzene	5.37	78	624845	53.932	ug/L	100
34) Trichloroethene	6.16	95	156312	50.552	ug/L	98
35) Methylcyclohexane	6.40	83	249868	55.183	ug/L	99
37) 1,2-Dichloropropane	6.41	63	169072	53.291	ug/L	100
38) Bromodichloromethane	6.74	83	217191	52.874	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	242868	52.524	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	397733	106.793	ug/L	99
42) Toluene	7.62	91	684652	55.899	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	226176	53.225	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	156756	52.641	ug/L	99
46) Tetrachloroethene	8.21	164	133465	53.839	ug/L	99
48) 2-Hexanone	8.34	43	332993	114.026	ug/L	99
49) Dibromochloromethane	8.46	129	179208	53.297	ug/L	99
50) 1,2-Dibromoethane	8.57	107	168508	53.146	ug/L	100
51) Chlorobenzene	9.10	112	429100	53.042	ug/L	99
52) Ethylbenzene	9.23	91	707993	54.558	ug/L	100
53) m,p-Xylene	9.36	106	277547	57.138	ug/L	100
54) o-xylene	9.76	106	268116	56.964	ug/L	100
55) Styrene	9.77	104	475796	58.998	ug/L	100
56) Isopropylbenzene	10.15	105	688042	55.909	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	266764	55.348	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	208137	54.162	ug/L	98
61) Bromoform	9.94	173	135331	52.654	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	341062	52.666	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	354907	52.939	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	347036	53.459	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	55318	51.250	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	255490	51.146	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	199684	48.819	ug/L	98
69) Naphthalene	13.73	128	583260	51.665	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	222631	52.443	ug/L	98

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

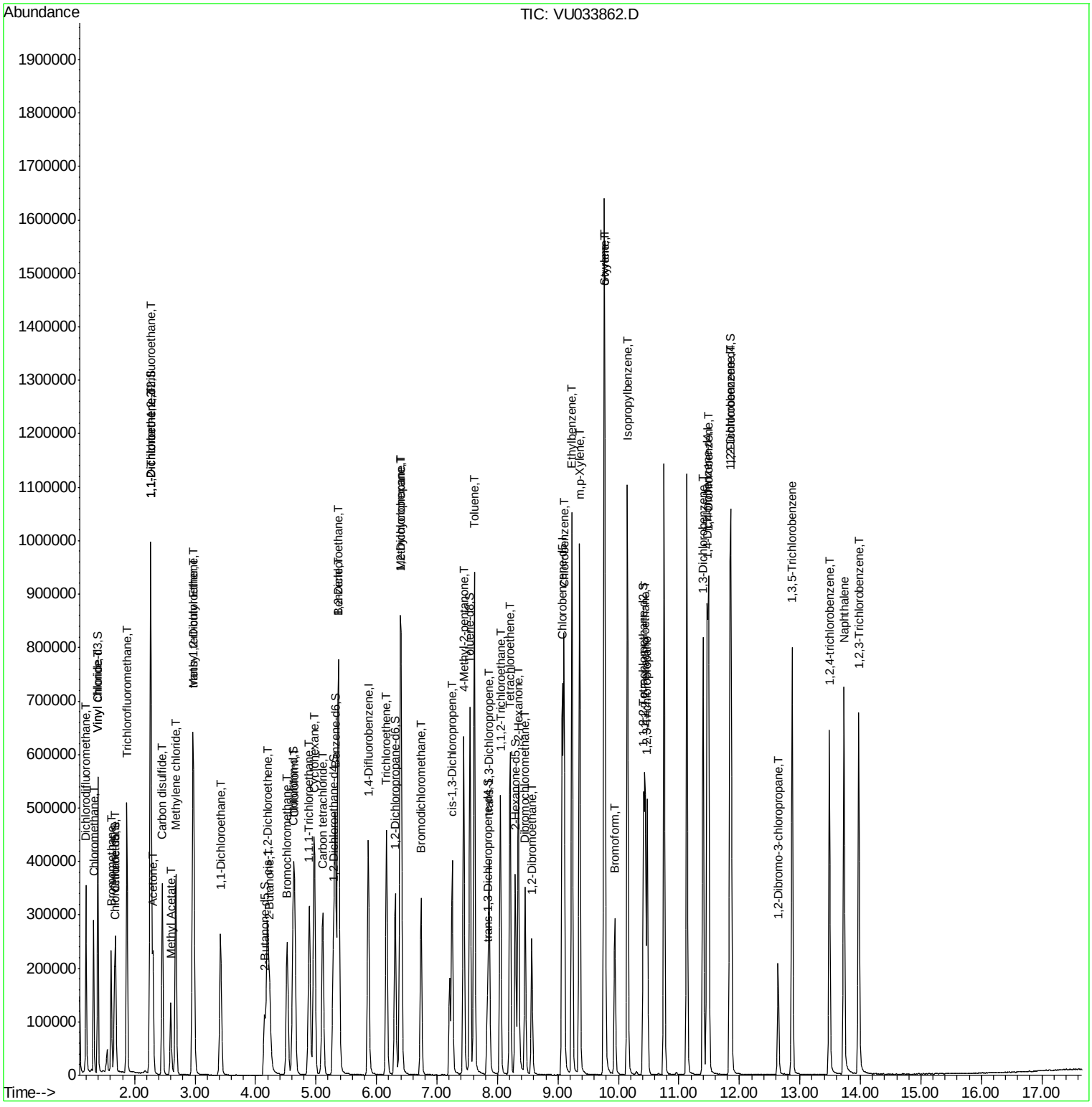
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082119\

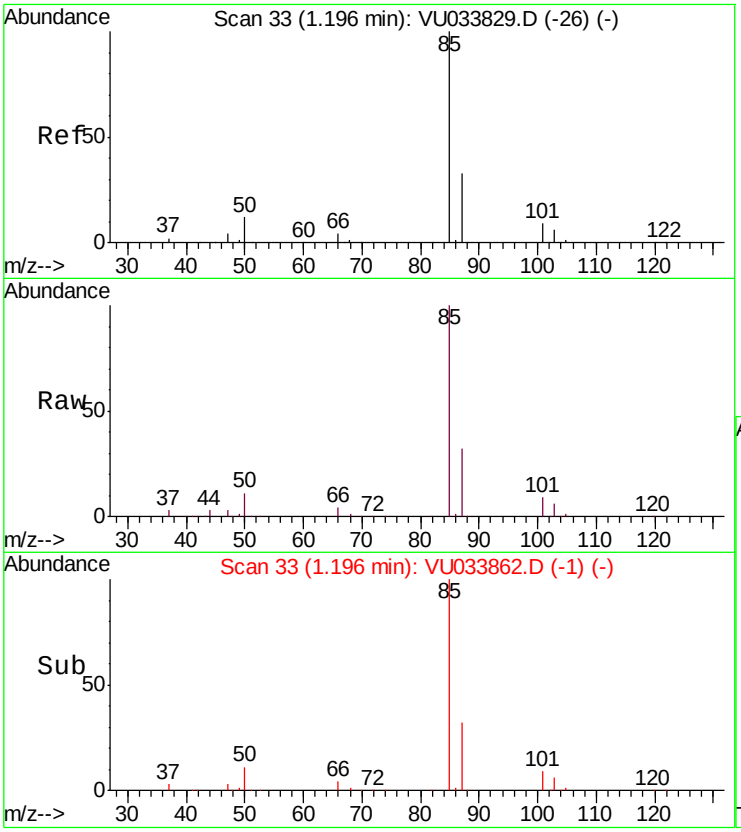
Quantitation Report (Not Reviewed)

Data File : VU033862.D
Acq On : 21 Aug 2019 10:45
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Aug 22 05:38:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 19 16:05:13 2019
Response via : Initial Calibration



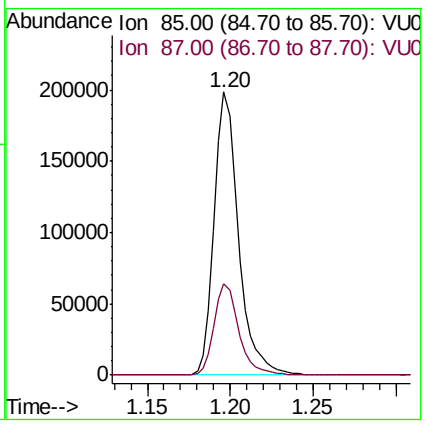


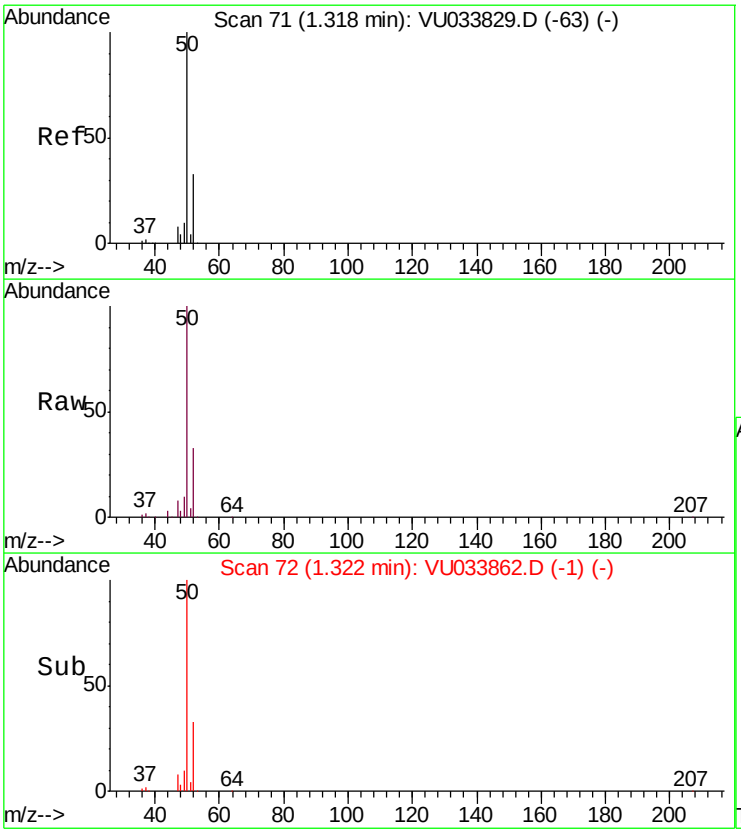
#2
Dichlorodifluoromethane
Concen: 56.624 ug/L
RT: 1.20 min Scan# 33
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 85 Resp: 202986

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.4

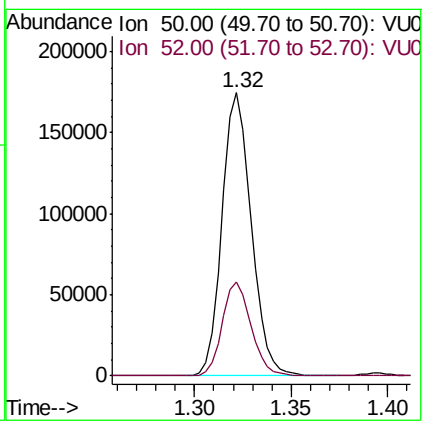


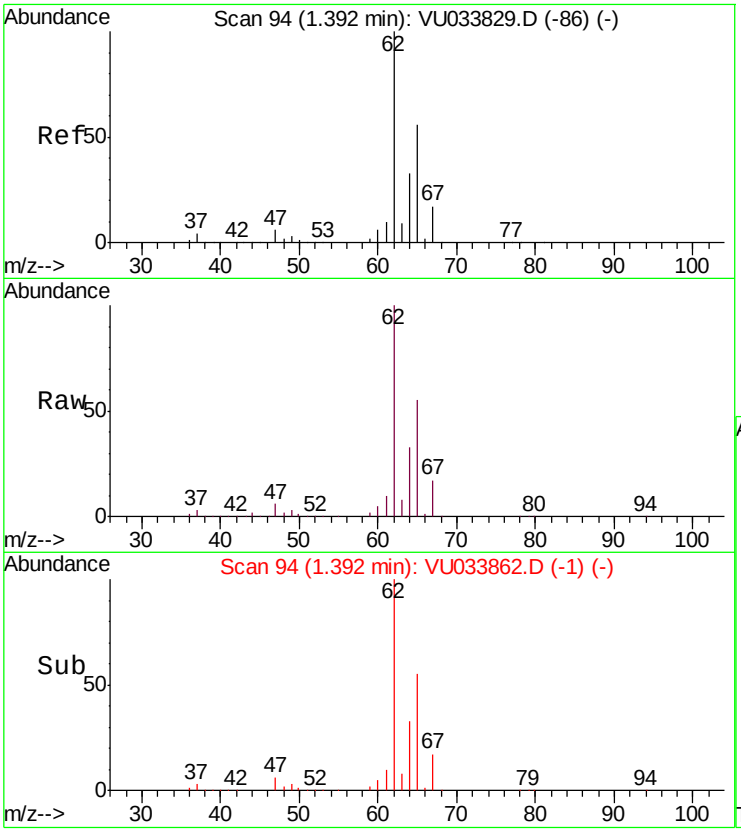


#3
Chloromethane
Concen: 49.652 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 50 Resp: 183059

Ion	Ratio	Lower	Upper
50	100		
52	33.2	23.3	43.3



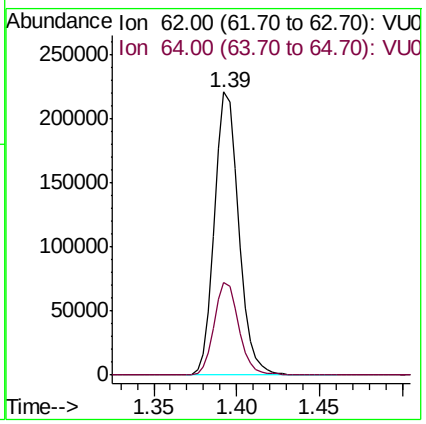


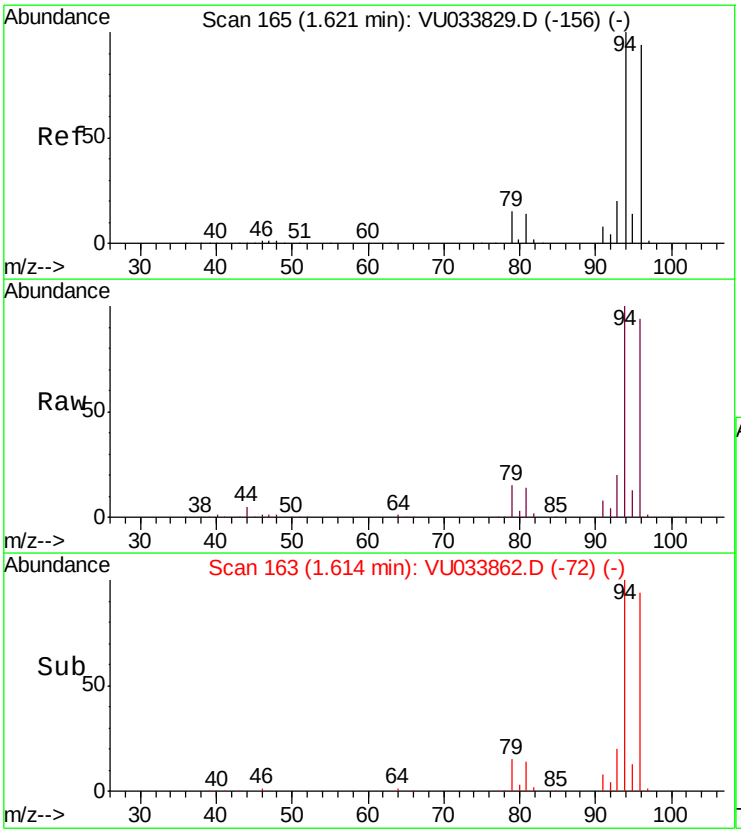
#5
Vinyl chloride
Concen: 54.677 ug/L
RT: 1.39 min Scan# 94
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 62 Resp: 224541

Ion	Ratio	Lower	Upper
62	100		
64	32.8	23.3	43.3

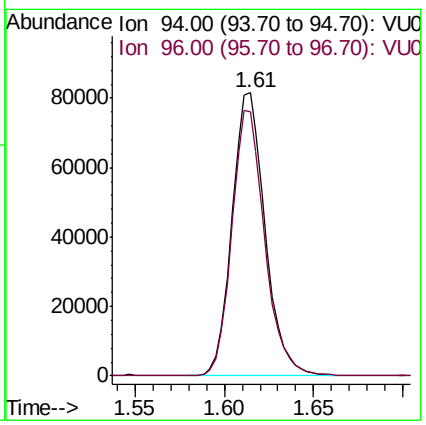


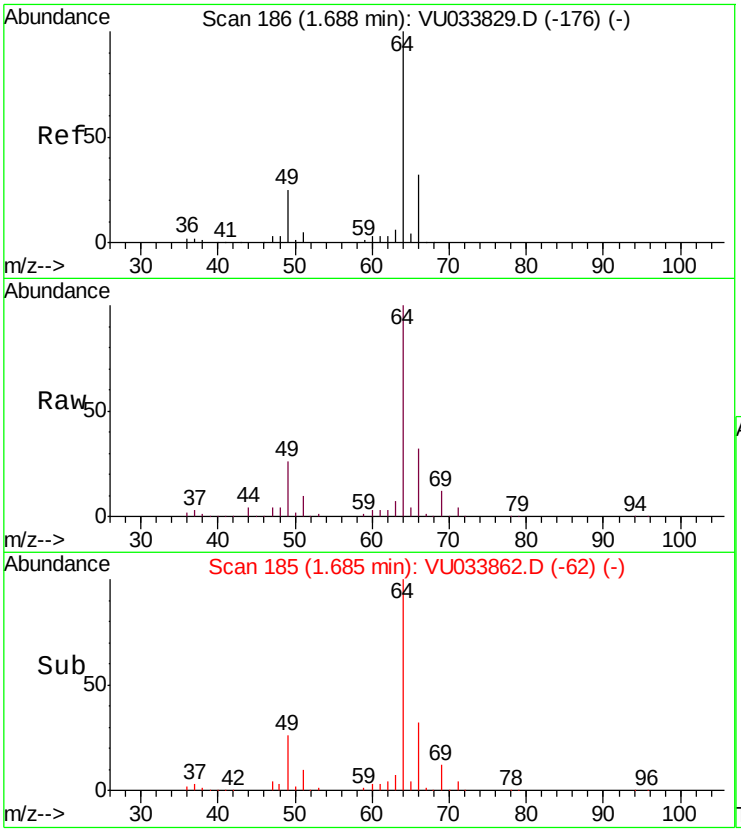


#6
Bromomethane
Concen: 33.965 ug/L
RT: 1.61 min Scan# 163
Delta R.T. -0.01 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 94 Resp: 105458

Ion	Ratio	Lower	Upper
94	100		
96	93.5	65.9	122.3



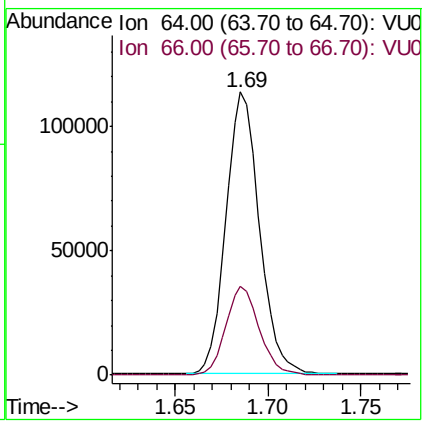


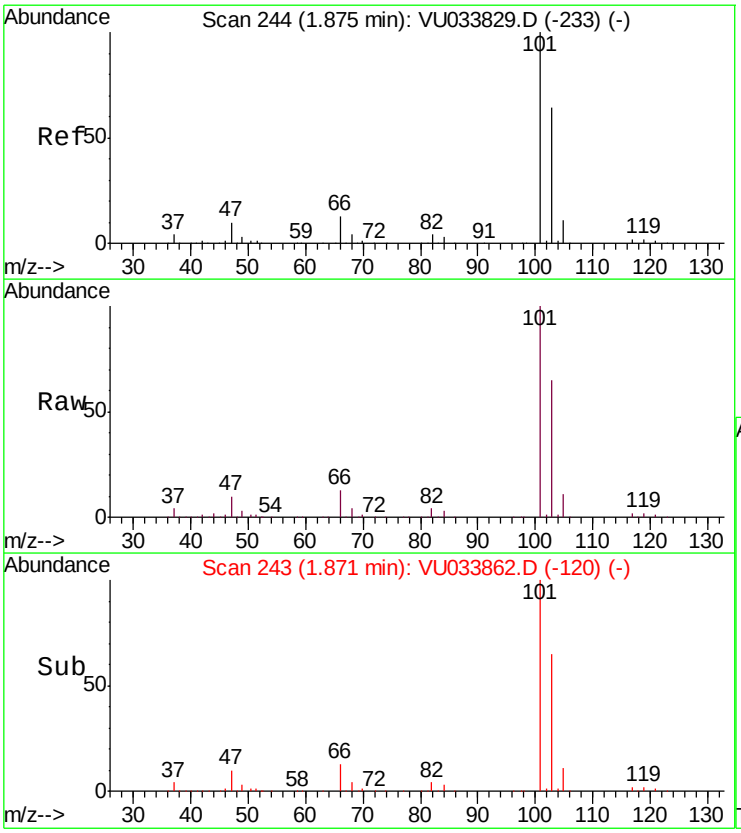
#8
Chloroethane
Concen: 49.835 ug/L
RT: 1.69 min Scan# 185
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 64 Resp: 141776

Ion	Ratio	Lower	Upper
64	100		
66	31.6	23.9	44.3

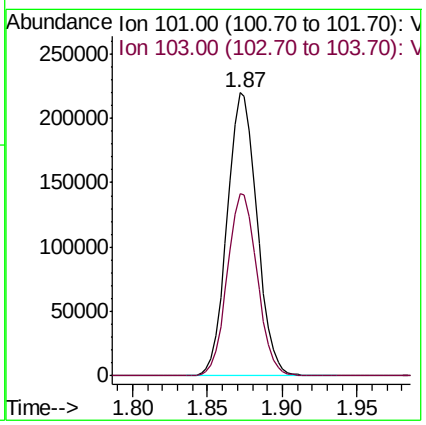


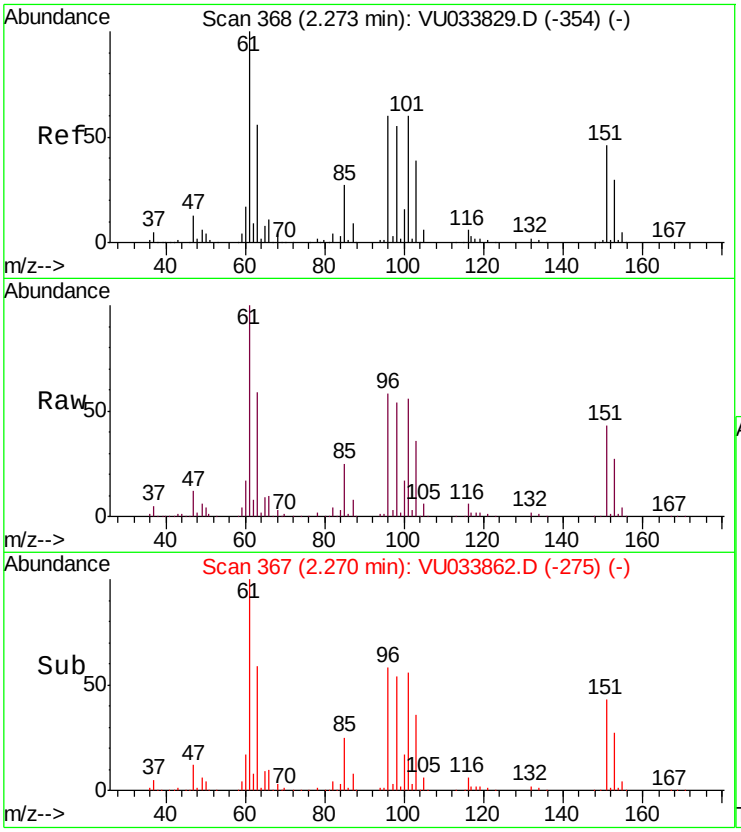


#9
Trichlorofluoromethane
Concen: 56.207 ug/L
RT: 1.87 min Scan# 243
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion:101 Resp: 306114

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.9	77.9



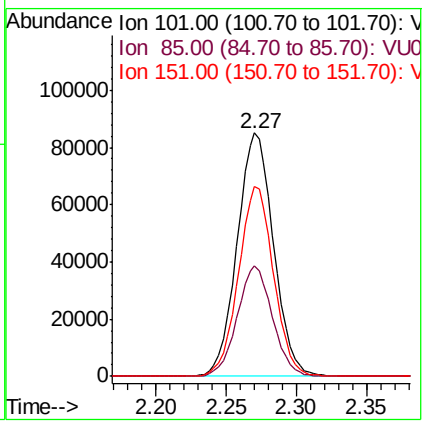


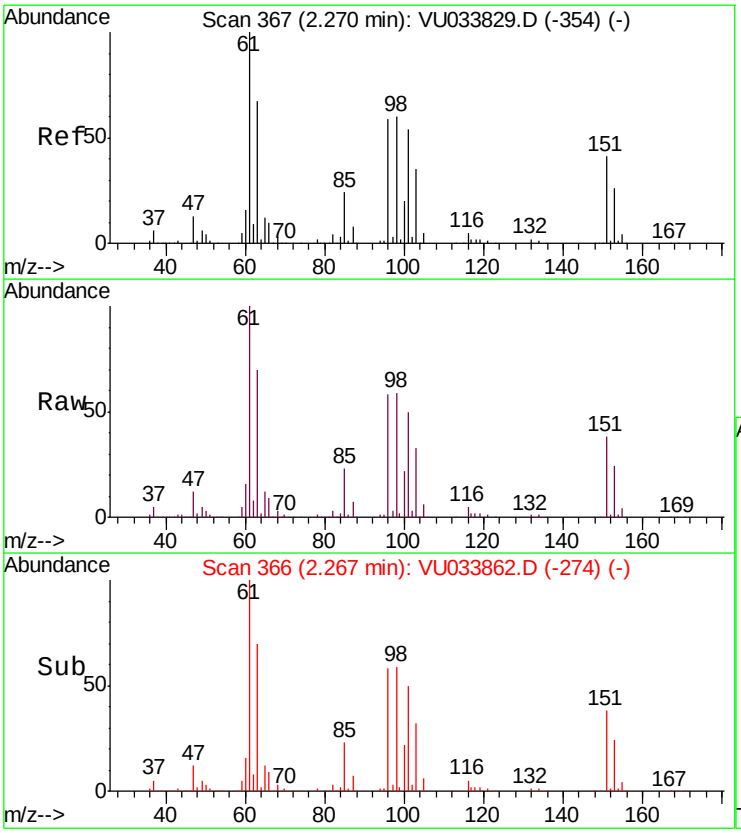
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 58.933 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 153645

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.2	52.8
151	75.2	60.4	90.6

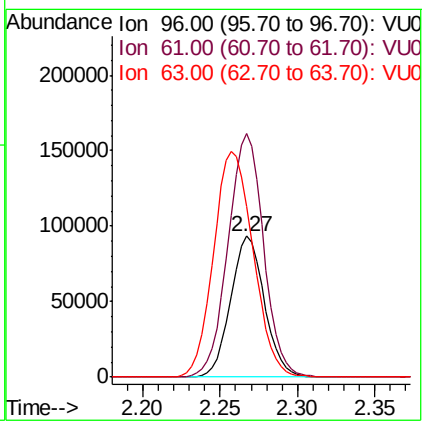


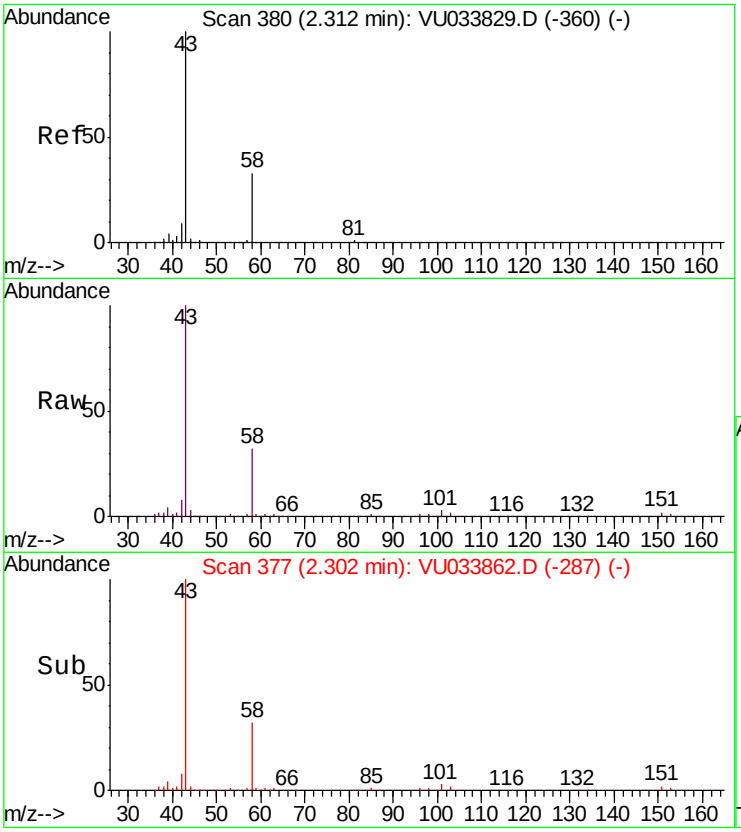


#12
1,1-Dichloroethene
Concen: 55.840 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 96 Resp: 141103

Ion	Ratio	Lower	Upper
96	100		
61	173.1	123.7	229.7
63	121.3	91.2	169.4



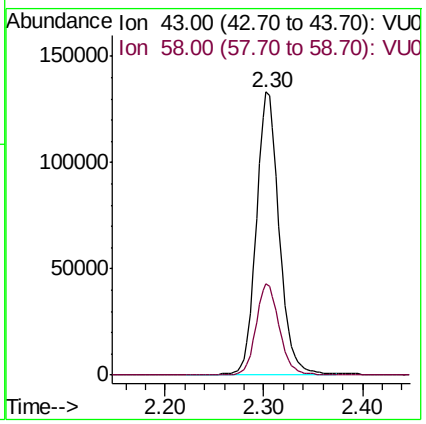


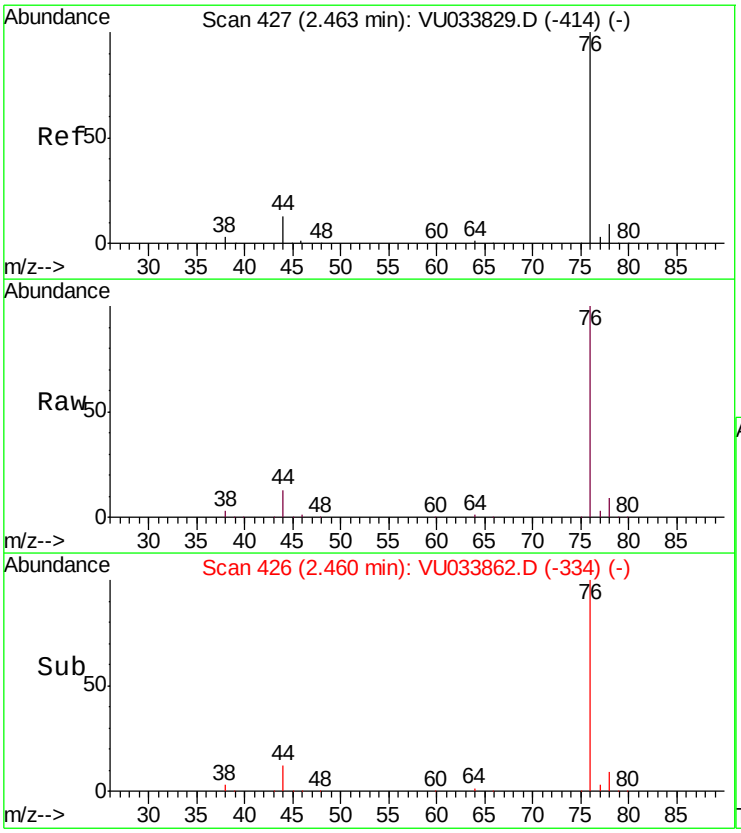
#13
Acetone
Concen: 125.825 ug/L
RT: 2.30 min Scan# 377
Delta R.T. -0.01 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 213333

Ion	Ratio	Lower	Upper
43	100		
58	32.7	0.0	69.0

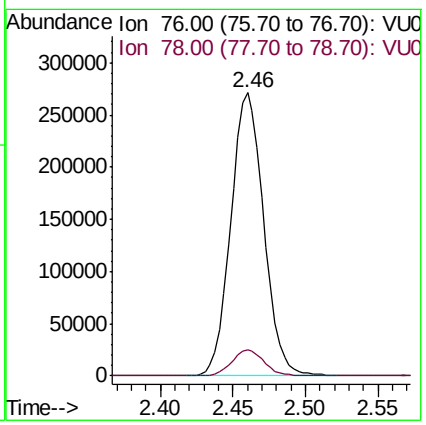


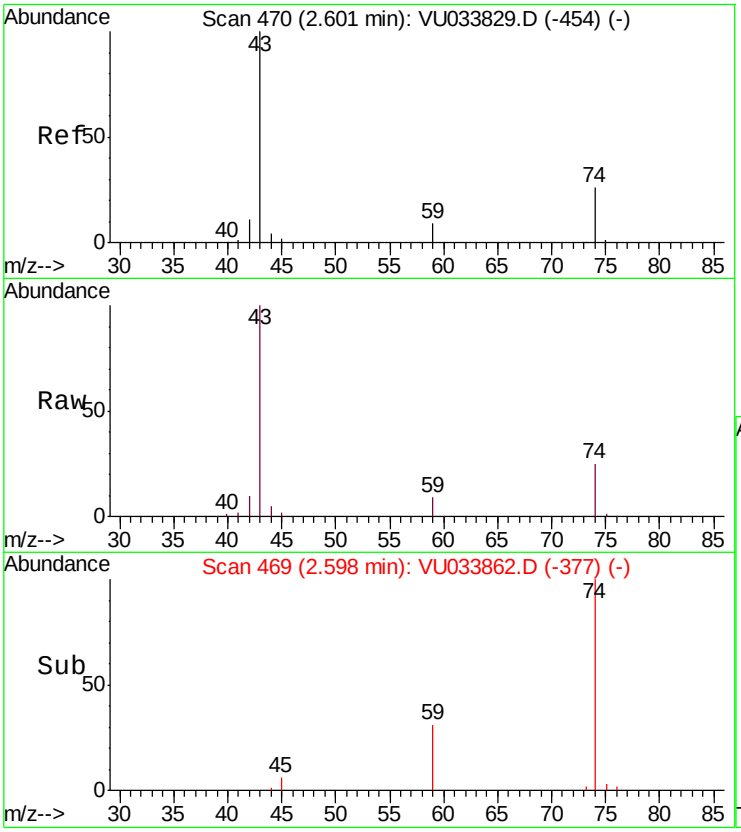


#14
Carbon disulfide
Concen: 53.566 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 76 Resp: 426832

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2



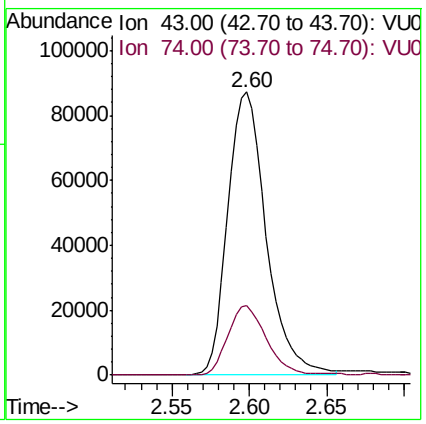


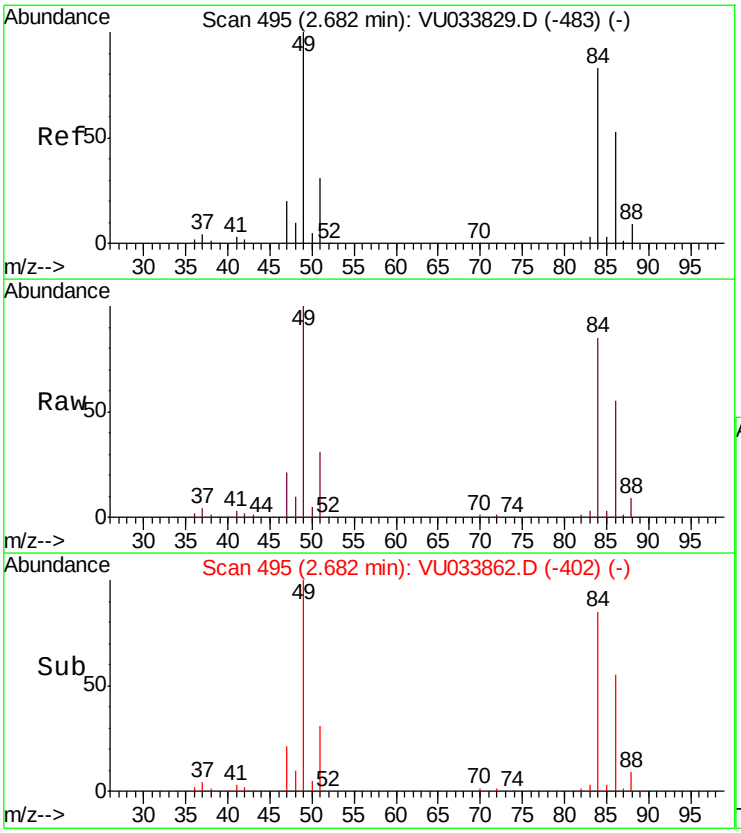
#15
Methyl Acetate
Concen: 53.574 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument : MSVOA_U
ClientSampleId : VSTDCCC050

Tgt Ion: 43 Resp: 149794

Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.7	29.5

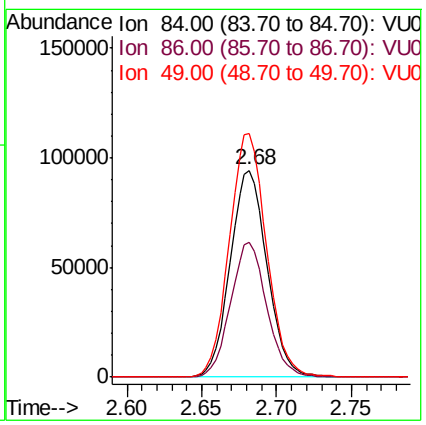


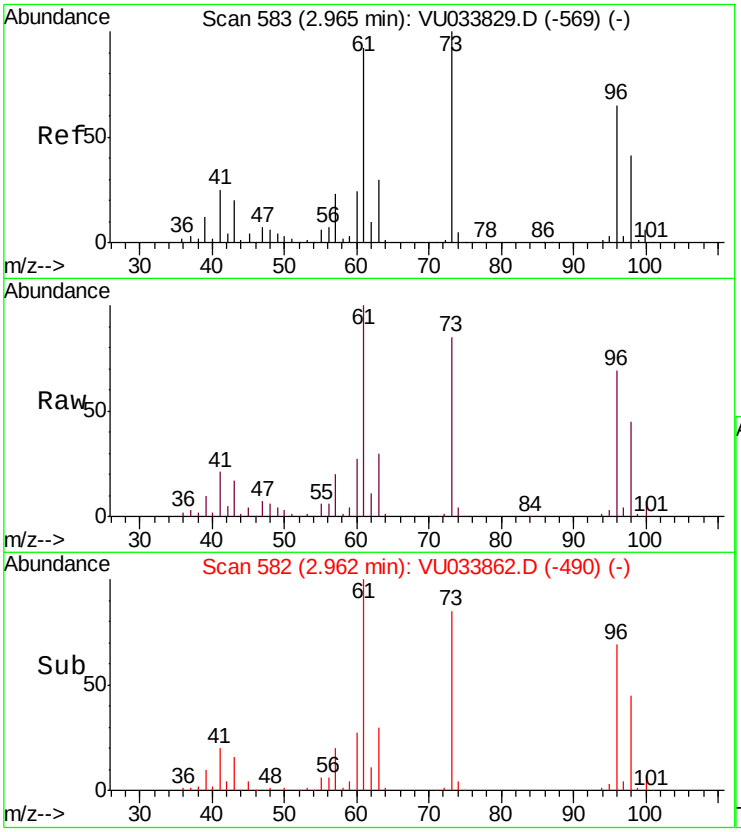


#16
Methylene chloride
Concen: 55.247 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 84 Resp: 161776

Ion	Ratio	Lower	Upper
84	100		
86	65.3	46.1	85.5
49	117.7	85.6	159.0



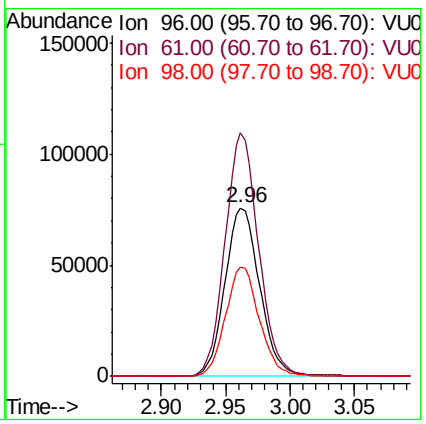


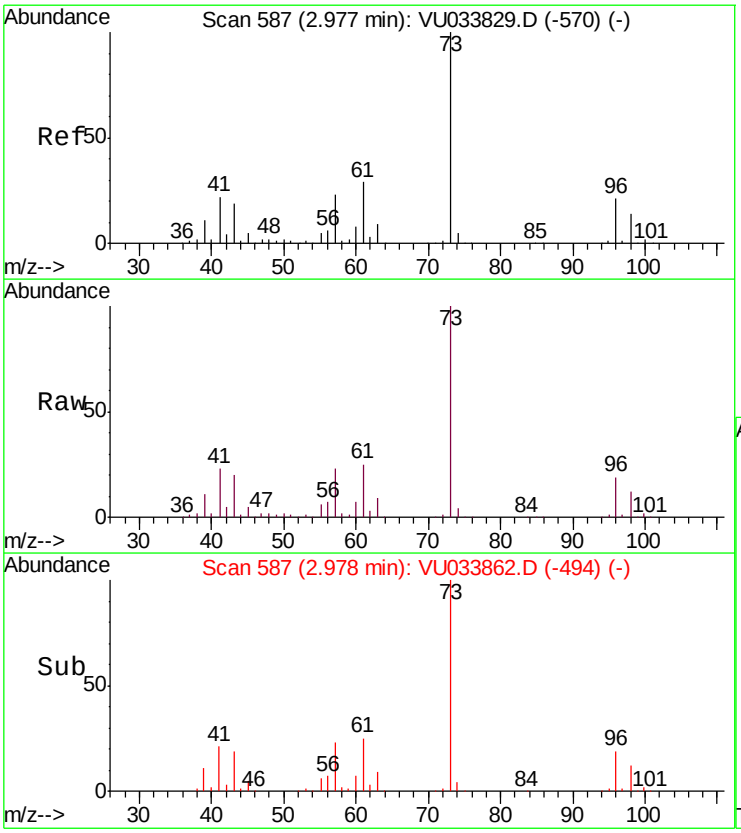
#17
trans-1,2-Dichloroethene
Concen: 53.815 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 141760

Ion	Ratio	Lower	Upper
96	100		
61	144.3	98.6	183.2
98	65.0	43.8	81.3

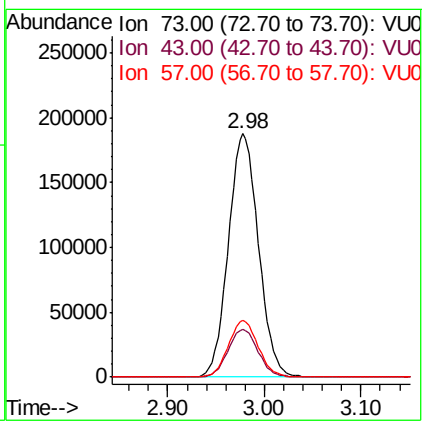


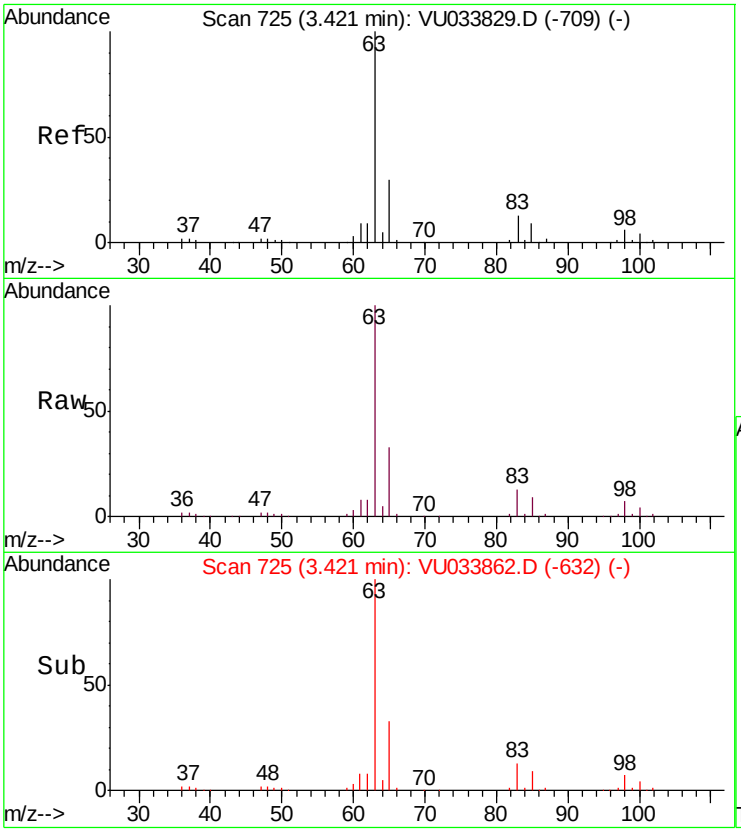


#18
Methyl tert-butyl Ether
Concen: 52.656 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 73 Resp: 404784

Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.2	22.8
57	23.0	17.8	26.8



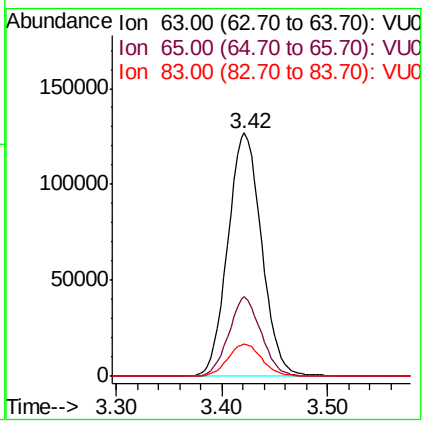


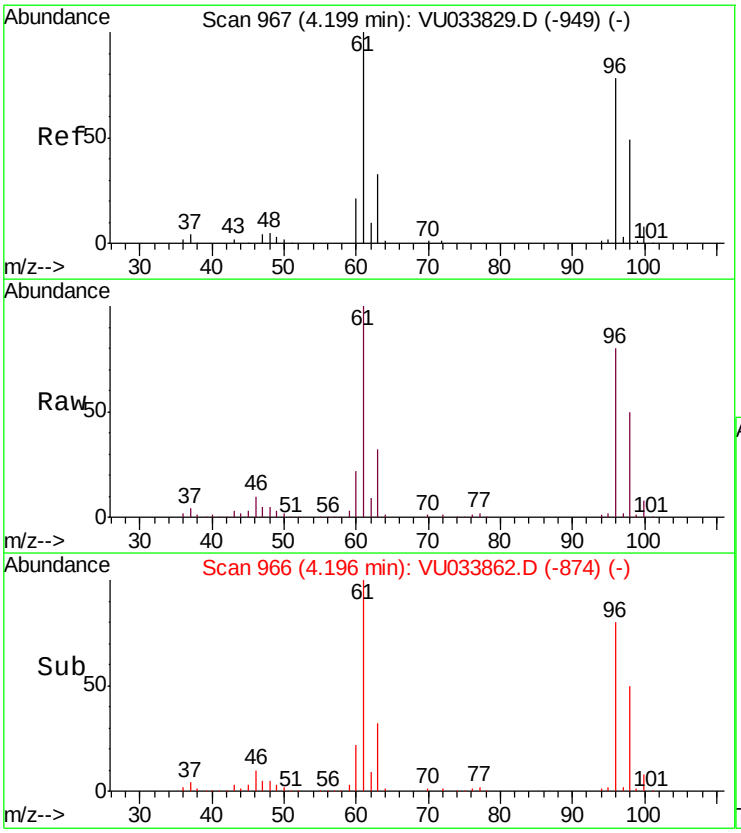
#19
1,1-Dichloroethane
Concen: 55.562 ug/L
RT: 3.42 min Scan# 725
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 281646

Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.8	40.6
83	13.2	9.9	18.3

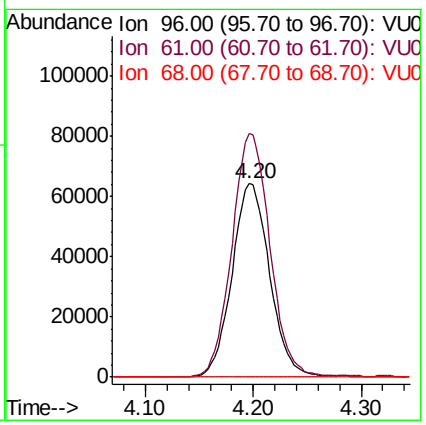


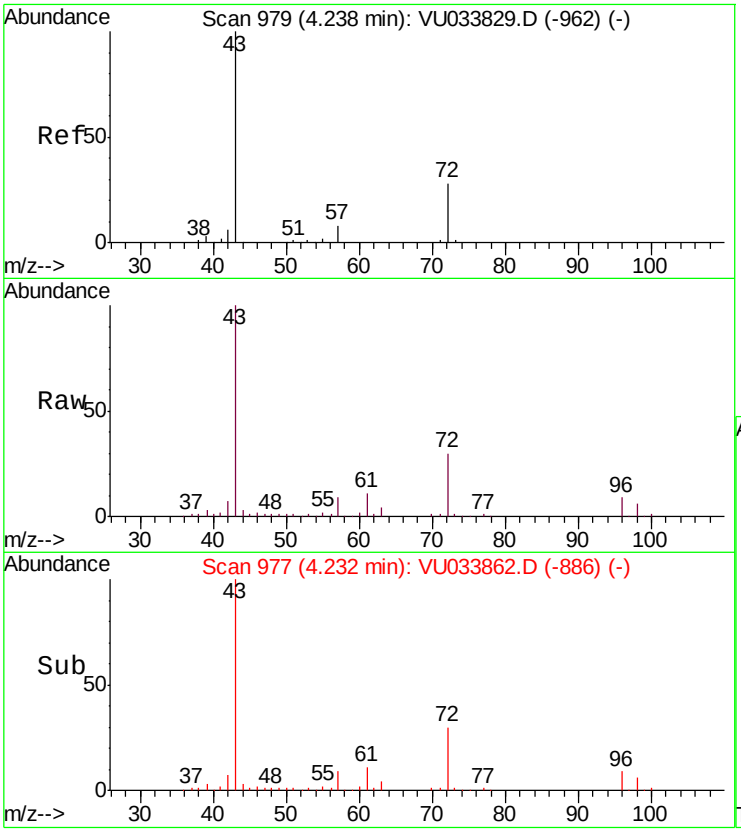


#20
cis-1,2-Dichloroethene
Concen: 54.792 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 96 Resp: 156132

Ion	Ratio	Lower	Upper
96	100		
61	125.7	88.2	163.8
68	0.0	0.0	0.0



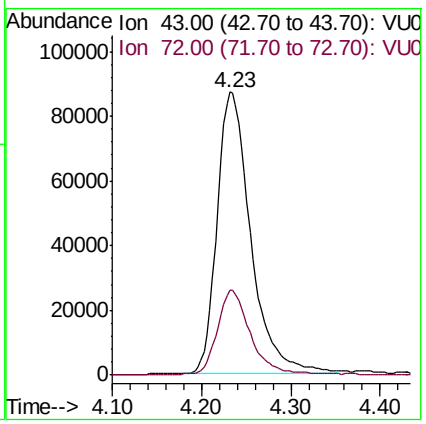


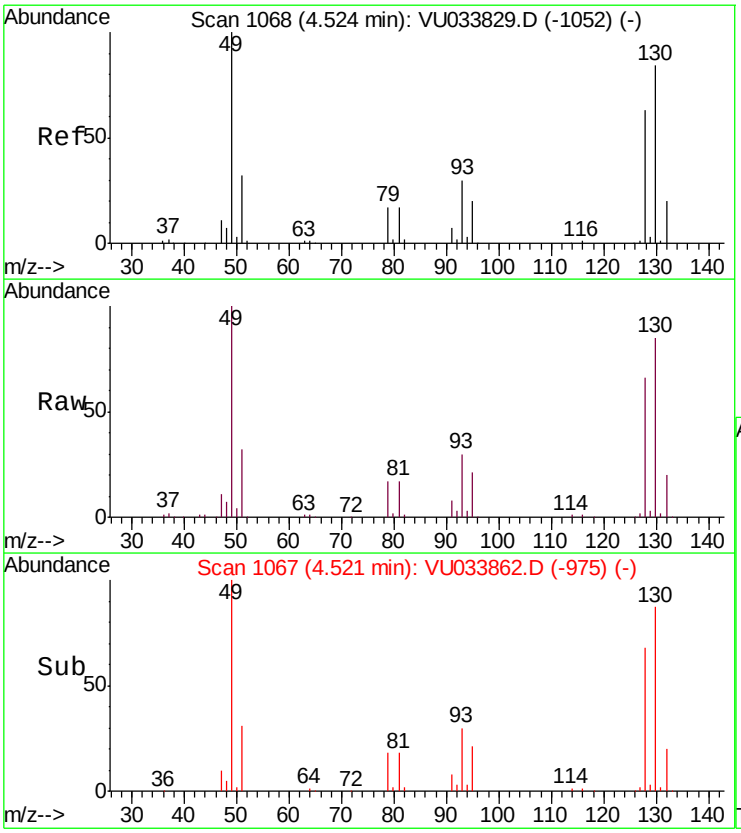
#22
2-Butanone
Concen: 117.062 ug/L
RT: 4.23 min Scan# 977
Delta R.T. -0.01 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 228410

Ion	Ratio	Lower	Upper
43	100		
72	29.9	14.4	43.2

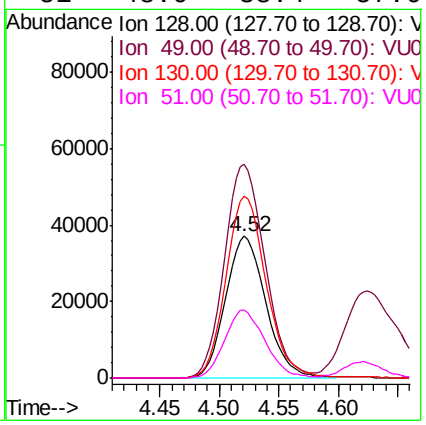


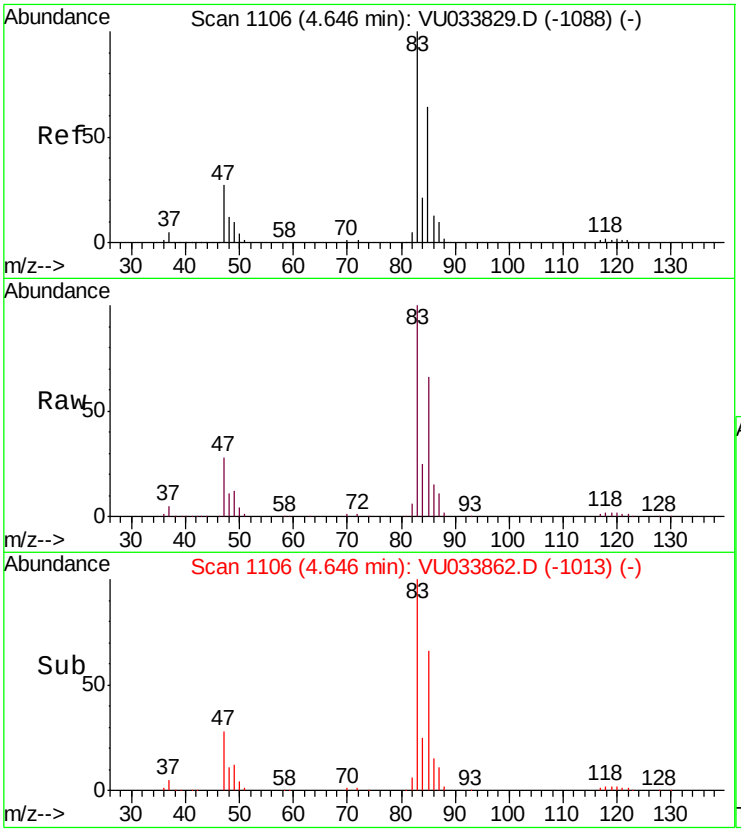


#23
Bromochloromethane
Concen: 55.965 ug/L
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion:128 Resp: 86950

Ion	Ratio	Lower	Upper
128	100		
49	150.4	106.7	198.3
130	128.3	90.4	168.0
51	48.0	38.4	57.6



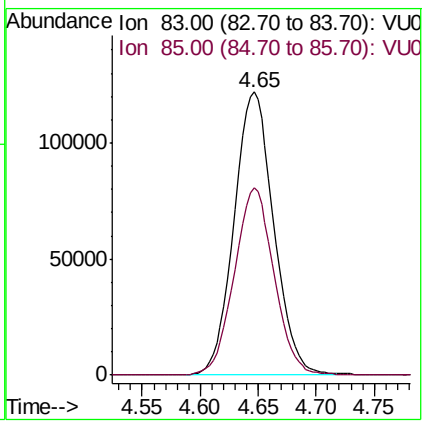


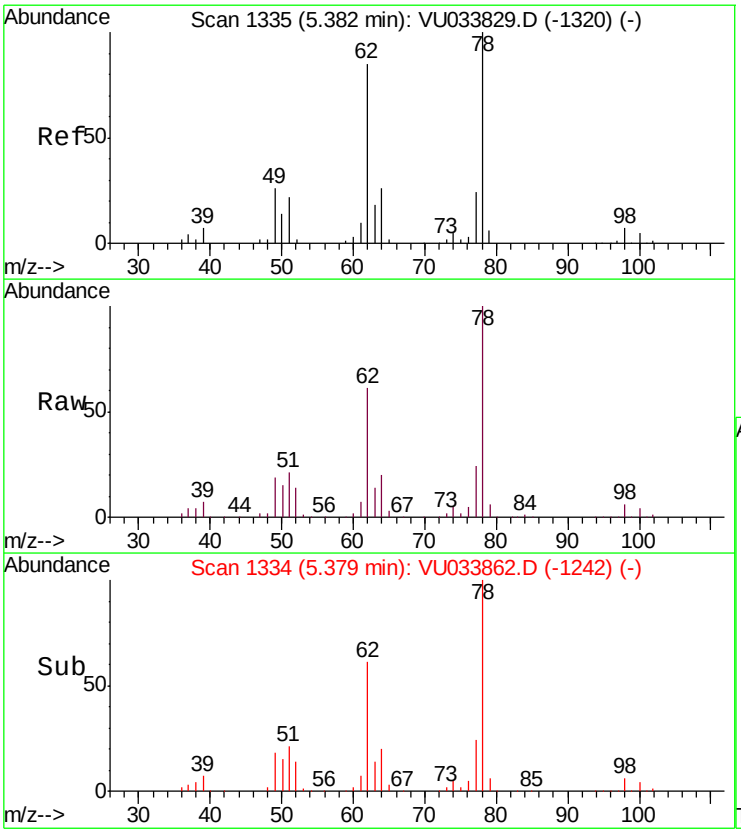
#25
Chloroform
Concen: 55.061 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 290062

Ion	Ratio	Lower	Upper
83	100		
85	66.4	46.3	86.1

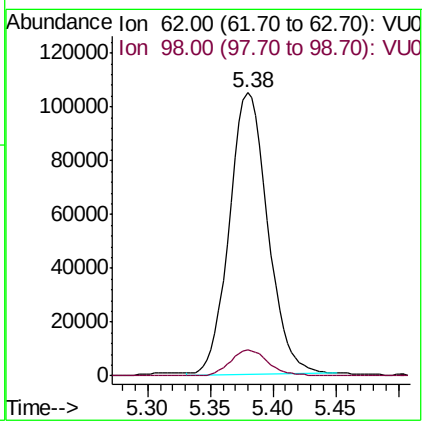


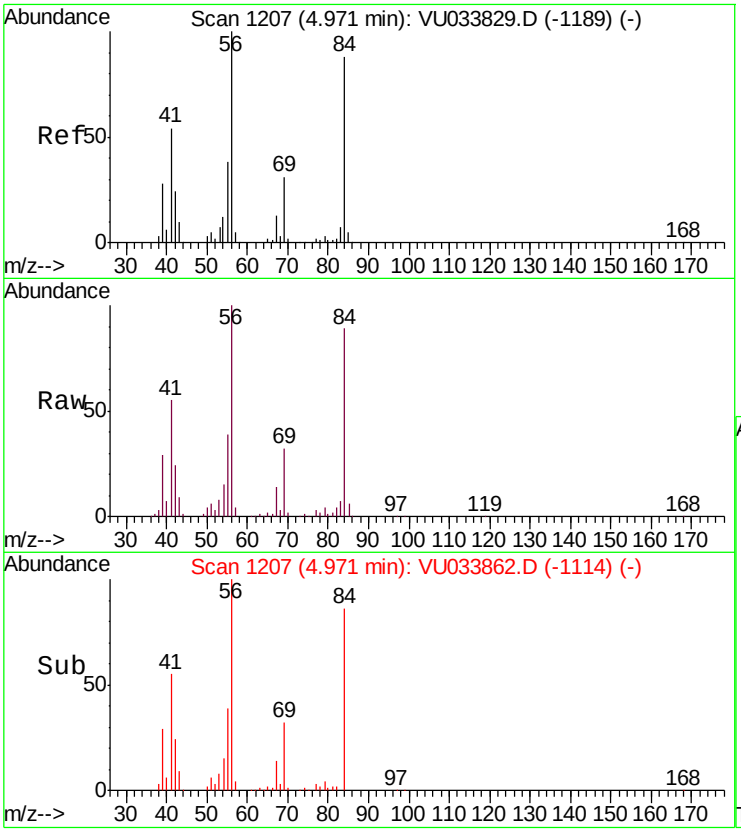


#27
1,2-Dichloroethane
Concen: 55.976 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 62 Resp: 223564

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.0	10.6



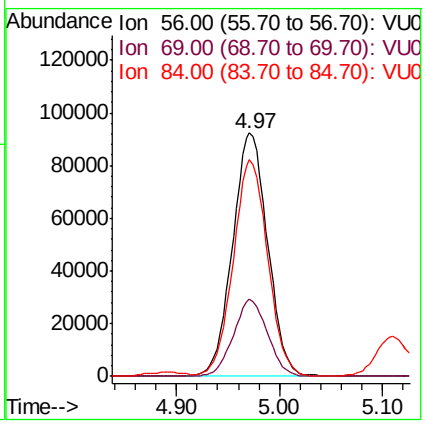


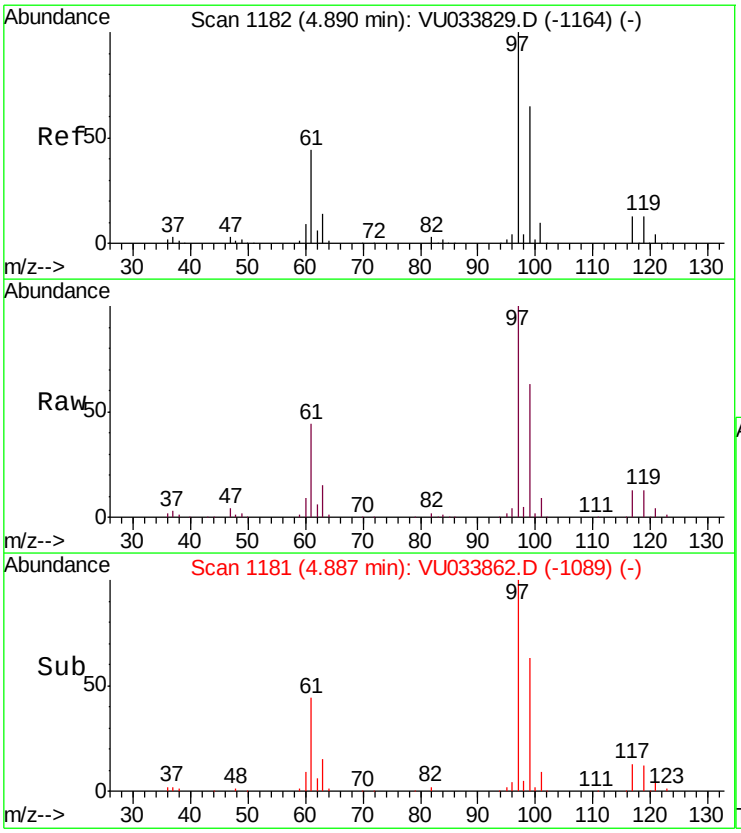
#29
Cyclohexane
Concen: 53.141 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 218370

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.4	36.6
84	87.5	69.0	103.4

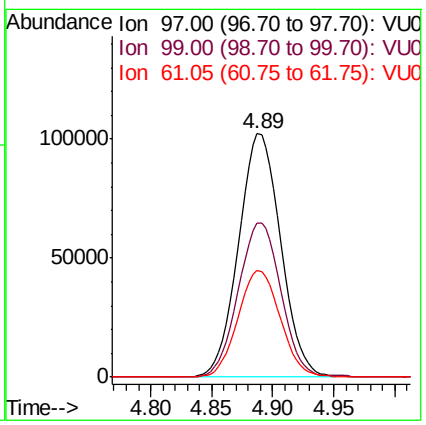


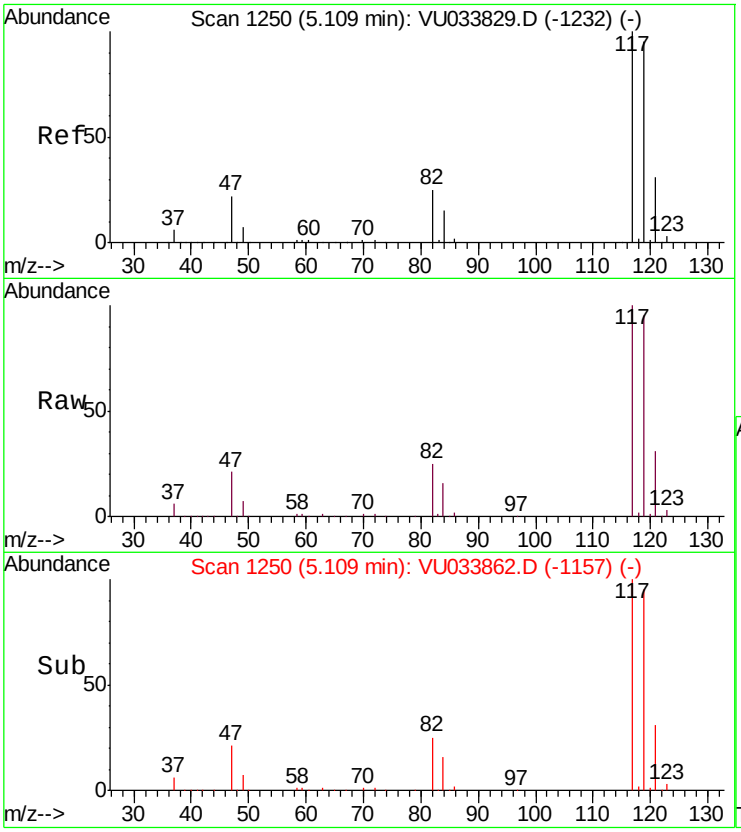


#30
1,1,1-Trichloroethane
Concen: 52.990 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 97 Resp: 244673

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	44.0	35.8	53.6



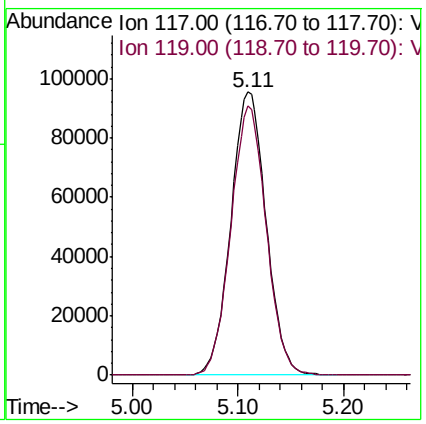


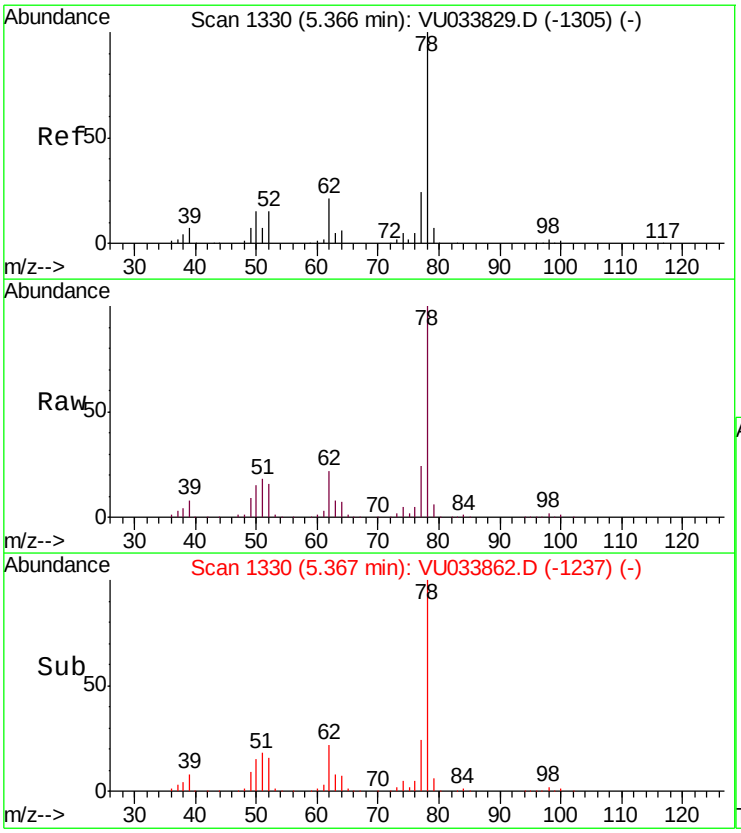
#31
Carbon tetrachloride
Concen: 52.756 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 221668

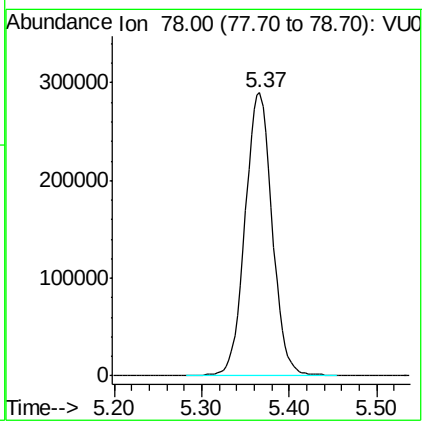
Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.0	115.6

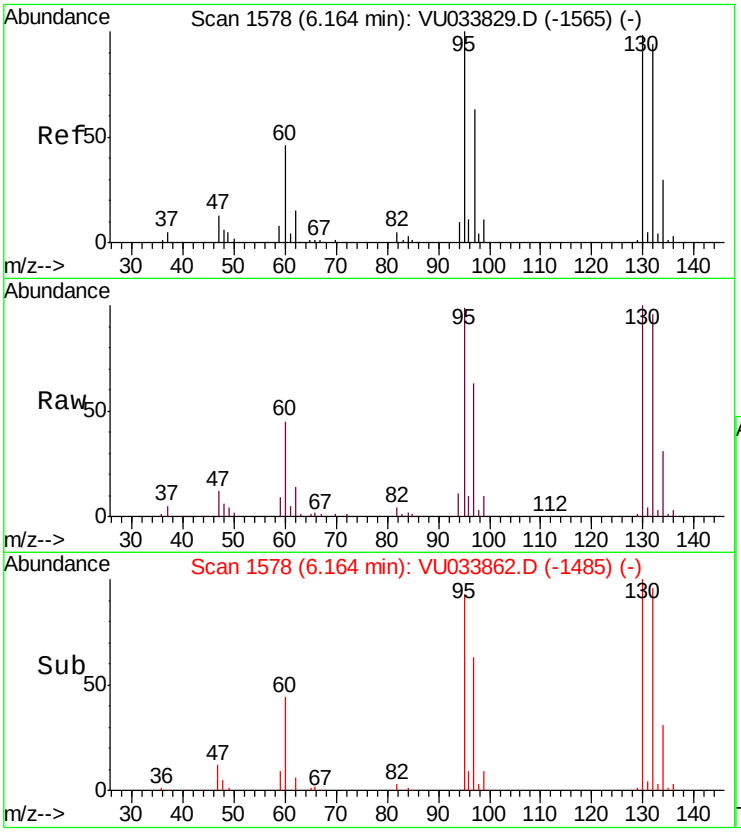




#33
Benzene
Concen: 53.932 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 78 Resp: 624845



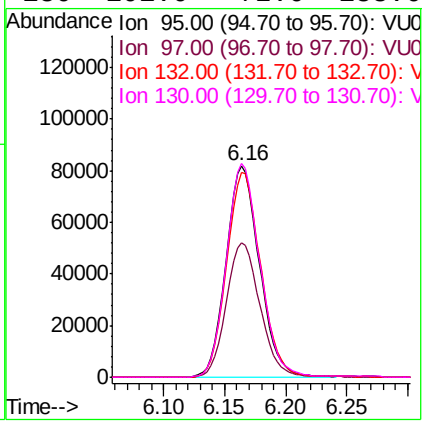


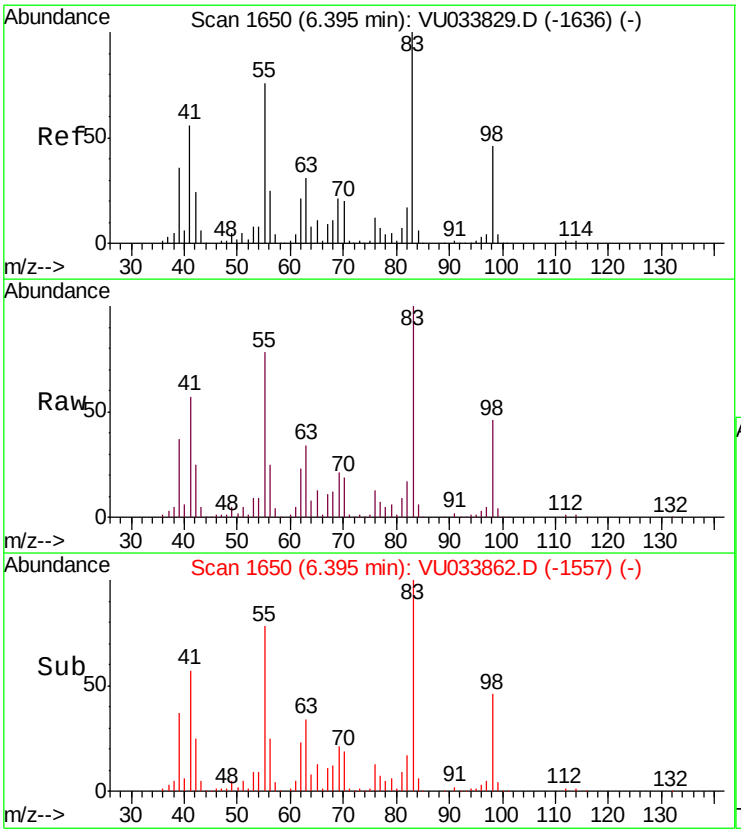
#34
Trichloroethene
Concen: 50.552 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 95 Resp: 156312

Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.3	86.1
132	97.1	67.9	126.1
130	101.0	72.0	133.6





#35
Methylcyclohexane
Concen: 55.183 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033862.D
Acq: 21 Aug 2019 10:45

Tgt Ion: 83 Resp: 249868

Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.6	92.4
98	45.1	37.2	55.8