Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\

Quantitation Report (Not Reviewed)

Data File : VV014077.D
Acq On : 16 Dec 2019 17:11
Operator : SY/MD
Sample : K6275-18
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFDT4

Quant Time: Dec 17 05:48:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	380554	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	372057	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	164650	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	102155	4.34	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 86.80%			
7) Chloroethane-d5	1.58	69	96652	4.83	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.60%			
11) 1,1-Dichloroethene-d2	2.13	63	129474	3.27	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.40%			
20) 2-Butanone-d5	3.93	46	318099	64.96	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 129.92%			
24) Chloroform-d	4.40	84	209648	4.41	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.20%			
26) 1,2-Dichloroethane-d4	5.08	65	107533	4.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.20%			
32) Benzene-d6	5.09	84	365878	3.81	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 76.20%			
36) 1,2-Dichloropropane-d6	6.11	67	128120	4.48	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 89.60%			
41) Toluene-d8	7.36	98	266643	2.96	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 59.20%#			
43) trans-1,3-Dichloropropene-	7.66	79	40240	3.61	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 72.20%			
46) 2-Hexanone-d5	8.13	63	230356	56.09	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 112.18%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	111247	5.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 112.20%			
64) 1,2-Dichlorobenzene-d4	11.67	152	130838	4.50	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 90.00%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	3440	0.155	ug/L	87
5) Vinyl chloride	1.32	62	5665	0.249	ug/L #	42
6) Bromomethane	1.53	94	1061	0.089	ug/L	74
9) Trichlorofluoromethane	1.77	101	23546	0.667	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1953	0.093	ug/L #	52
12) 1,1-Dichloroethene	2.14	96	12756	0.697	ug/L #	1
13) Acetone	2.45	43	4116	1.202	ug/L	93
14) Carbon disulfide	2.32	76	14418	0.341	ug/L	98
15) Methyl Acetate	2.45	43	4219	0.550	ug/L #	52
18) trans-1,2-Dichloroethene	2.79	96	7715	0.373	ug/L	95
19) 1,1-Dichloroethane	3.23	63	14510	0.352	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	329432	13.597	ug/L	100
25) Chloroform	4.42	83	7487	0.171	ug/L	89
29) 1,1,1-Trichloroethane	4.65	97	3596	0.094	ug/L #	83
33) Benzene	5.15	78	7274	0.080	ug/L	100
34) Trichloroethene	5.96	95	2182961	86.707	ug/L	98
35) Methylcyclohexane	6.11	83	29680	0.884	ug/L #	19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\

Quantitation Report (Not Reviewed)

Data File : VV014077.D
Acq On : 16 Dec 2019 17:11
Operator : SY/MD
Sample : K6275-18
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFDT4

Quant Time: Dec 17 05:48:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,2-Dichloropropane	6.12	63	14125	0.602	ug/L	#	94
44) trans-1,3-Dichloropropene	7.67	75	1990	0.076	ug/L	#	70
47) Tetrachloroethene	8.02	164	5865	0.268	ug/L		96
48) 2-Hexanone	8.13	43	32371	3.314	ug/L	#	70
49) Dibromochloromethane	8.02	129	5099	0.238	ug/L	#	14

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\

Quantitation Report (Not Reviewed)

Data File : VV014077.D
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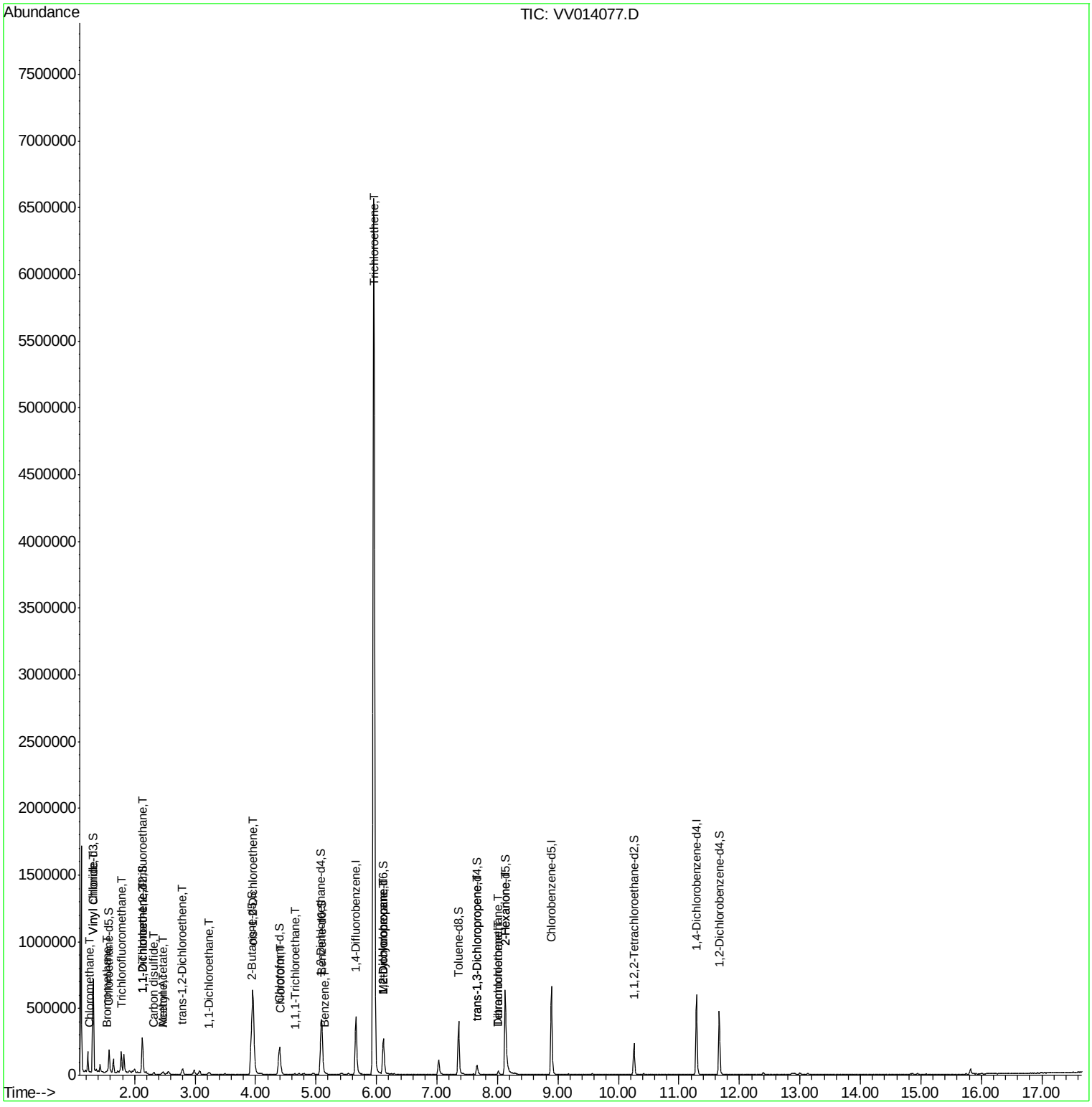
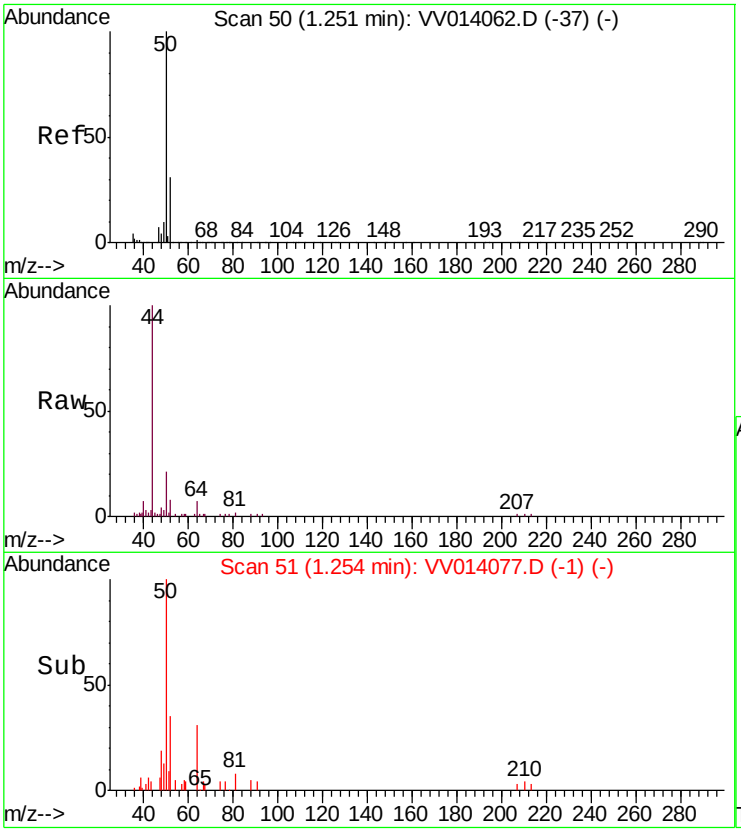
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration



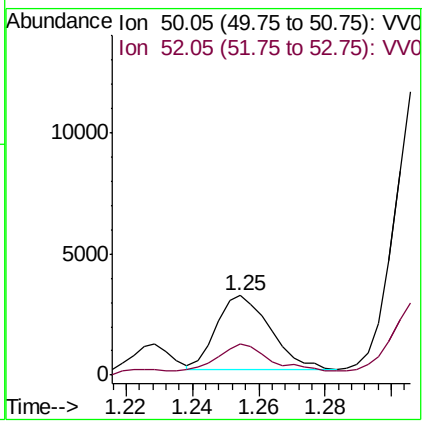


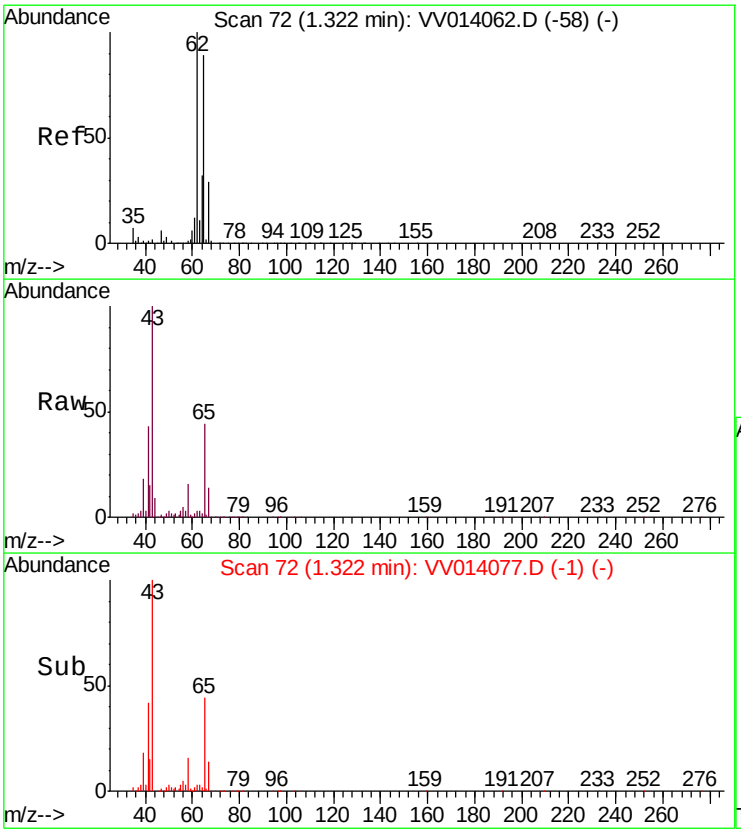
#3
Chloromethane
Concen: 0.155 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 50 Resp: 3440

Ion	Ratio	Lower	Upper
50	100		
52	39.2	22.5	41.7

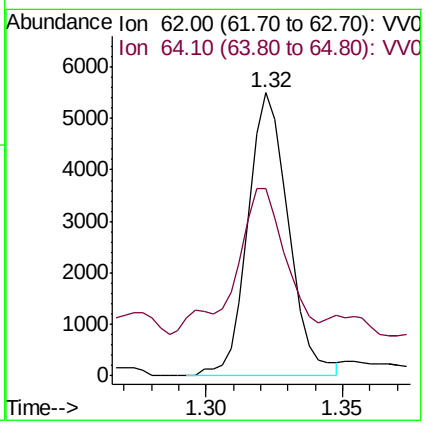


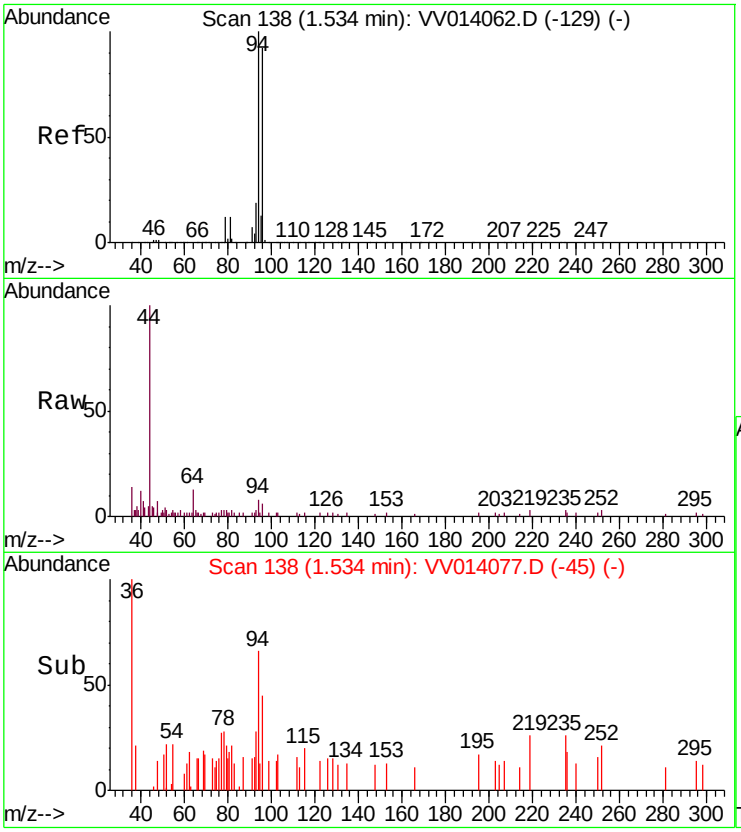


#5
Vinyl chloride
Concen: 0.249 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 62 Resp: 5665

Ion	Ratio	Lower	Upper
62	100		
64	66.2	23.3	43.3#



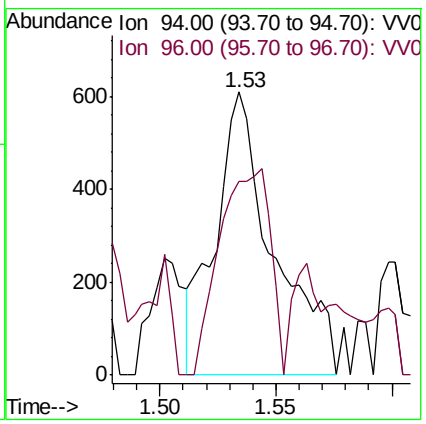


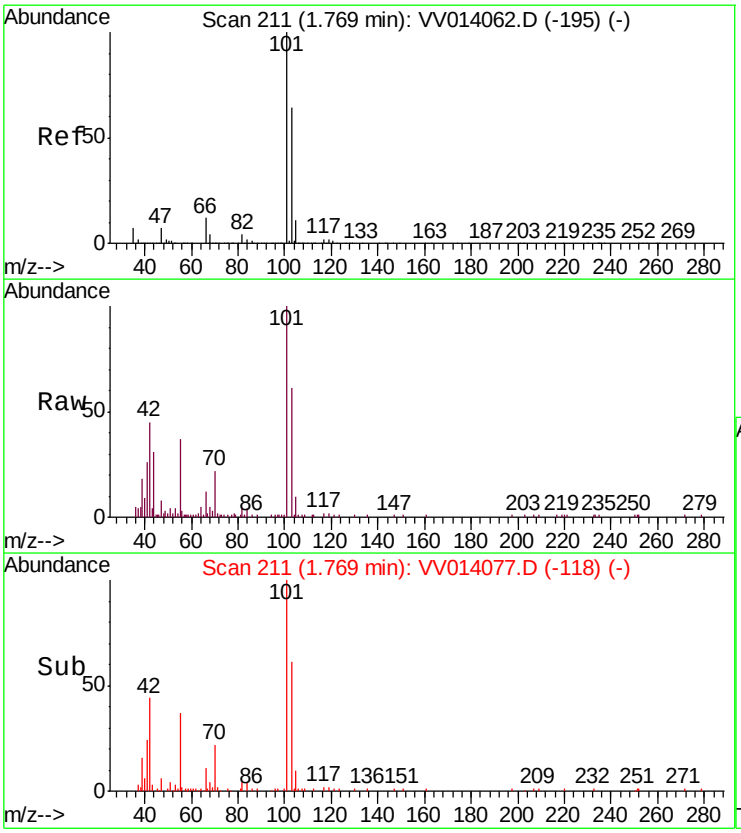
#6
Bromomethane
Concen: 0.089 ug/L
RT: 1.53 min Scan# 138
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 94 Resp: 1061

Ion	Ratio	Lower	Upper
94	100		
96	68.5	65.2	121.0

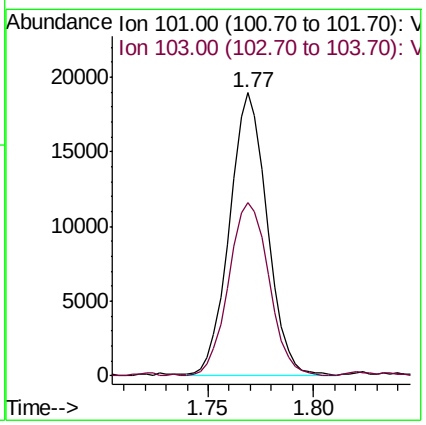


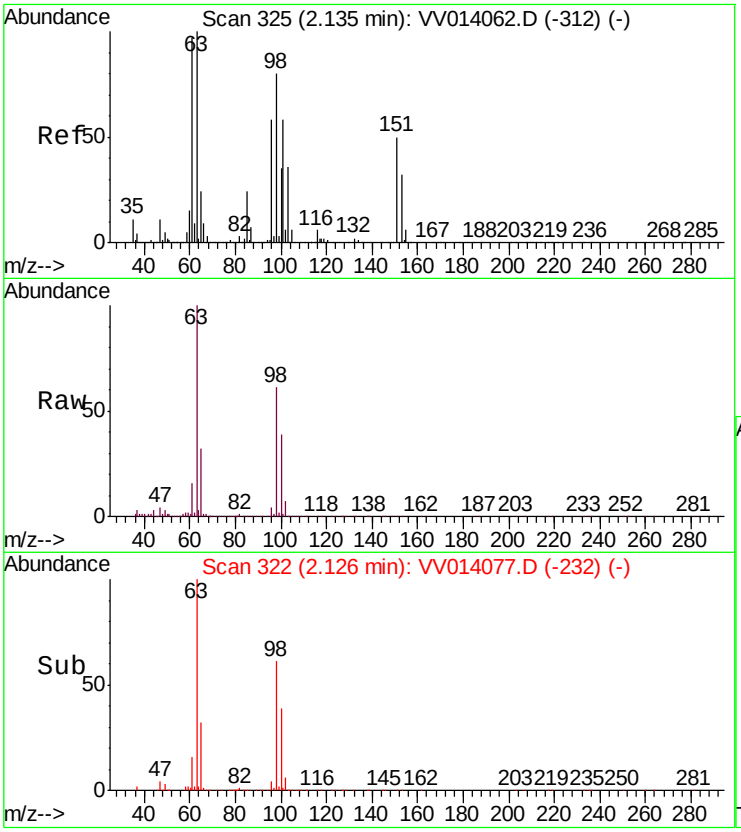


#9
Trichlorofluoromethane
Concen: 0.667 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion:101 Resp: 23546

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.9	79.3



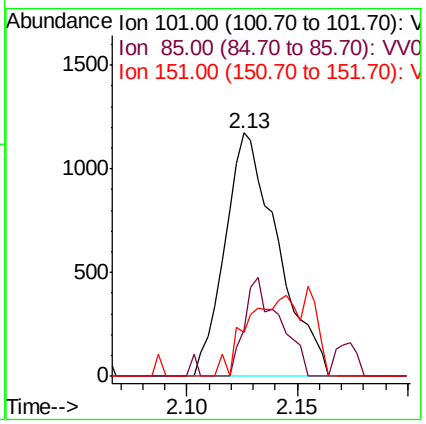


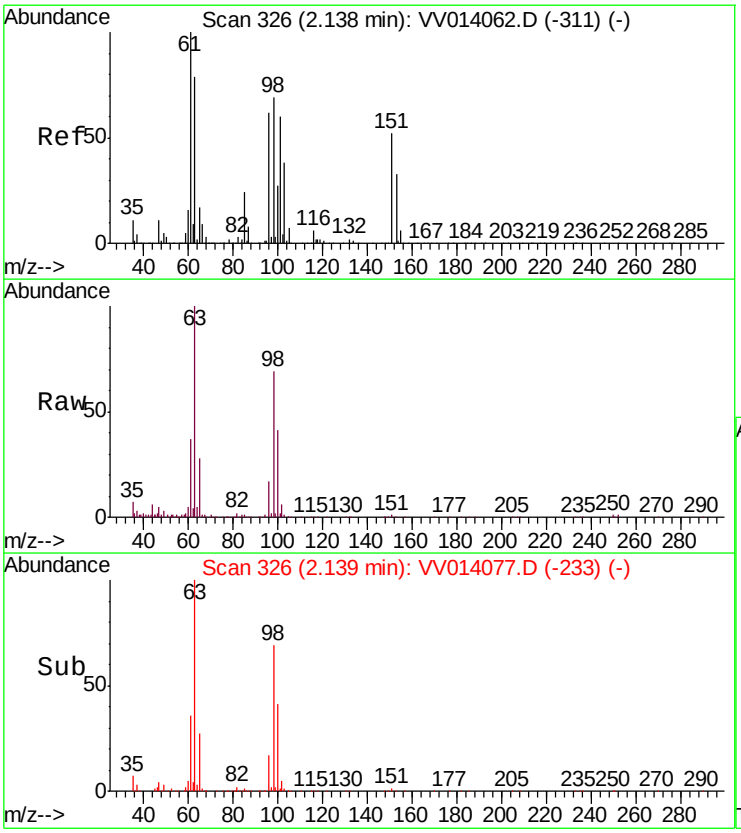
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.093 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion:101 Resp: 1953

Ion	Ratio	Lower	Upper
101	100		
85	26.9	33.4	50.0#
151	31.5	69.4	104.0#

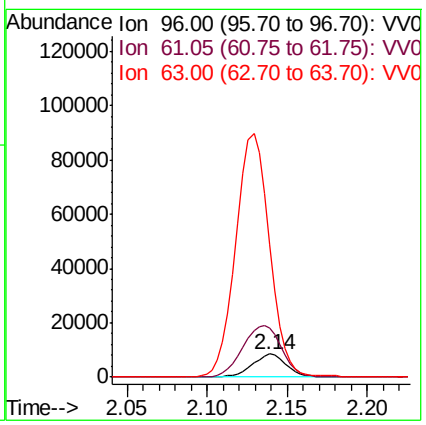


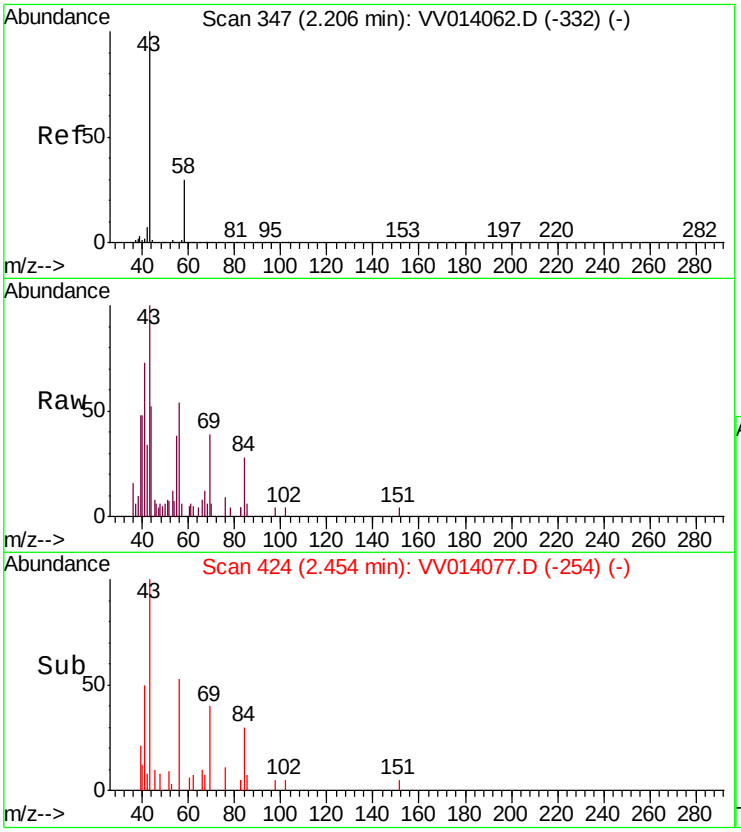


#12
1,1-Dichloroethene
Concen: 0.697 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 96 Resp: 12756

Ion	Ratio	Lower	Upper
96	100		
61	210.0	116.3	215.9
63	571.6	96.7	179.7#



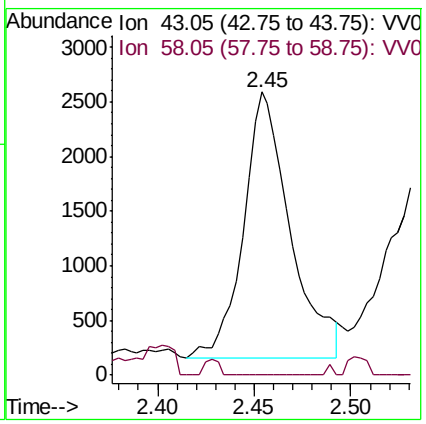


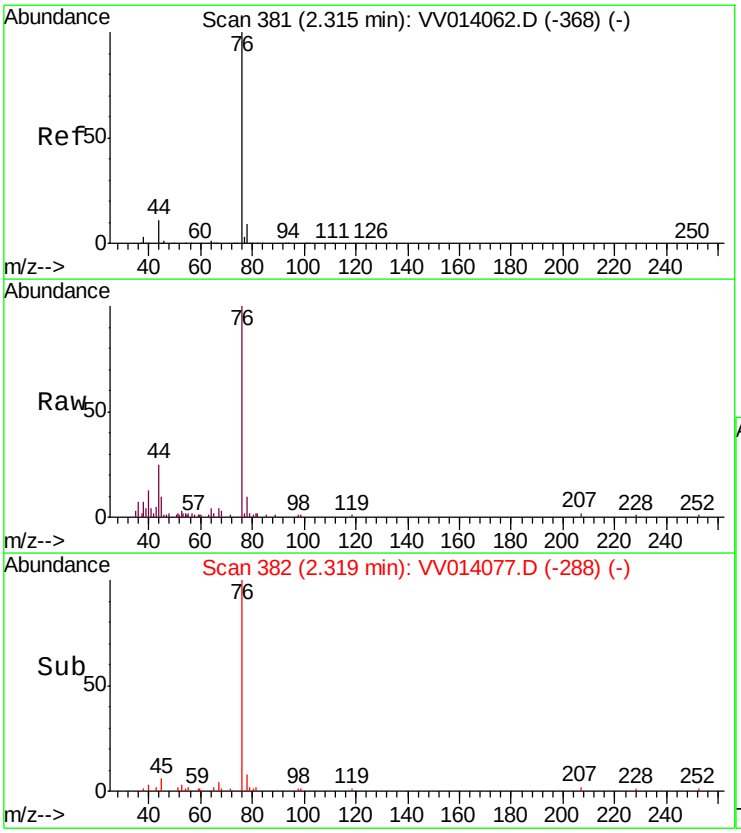
#13
Acetone
Concen: 1.202 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.25 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 43 Resp: 4116

Ion	Ratio	Lower	Upper
43	100		
58	10.6	0.0	27.2

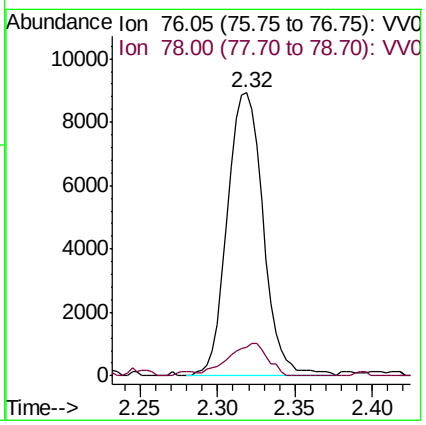


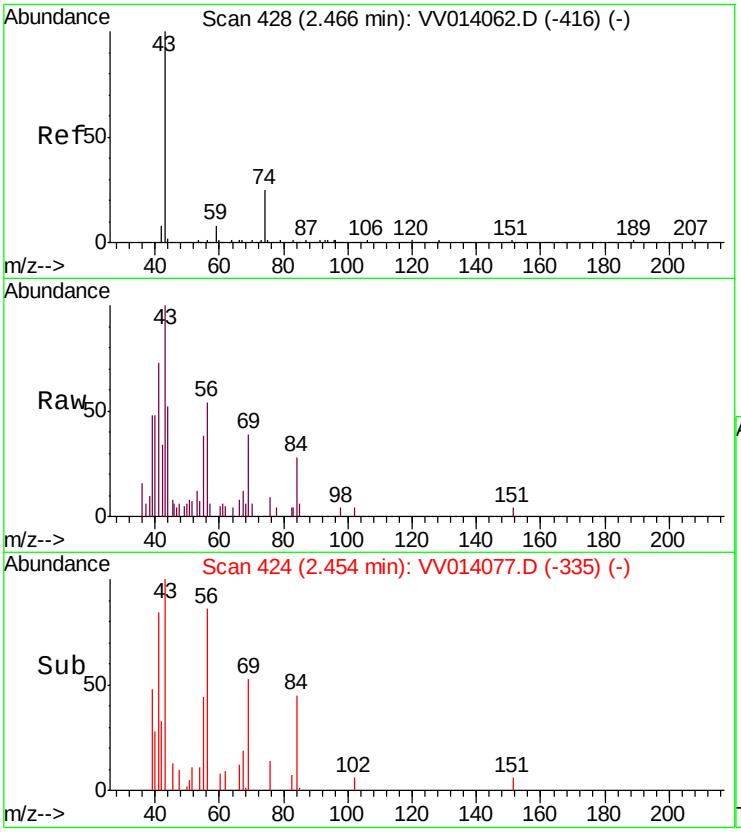


#14
Carbon disulfide
Concen: 0.341 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 76 Resp: 14418

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.5	11.3



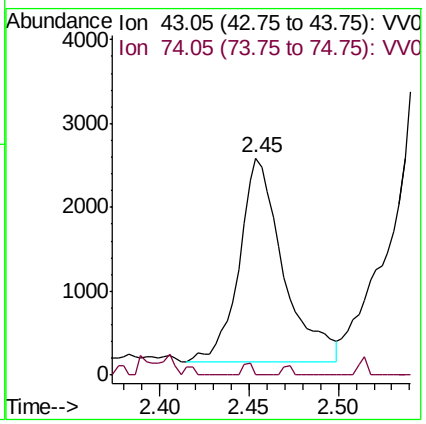


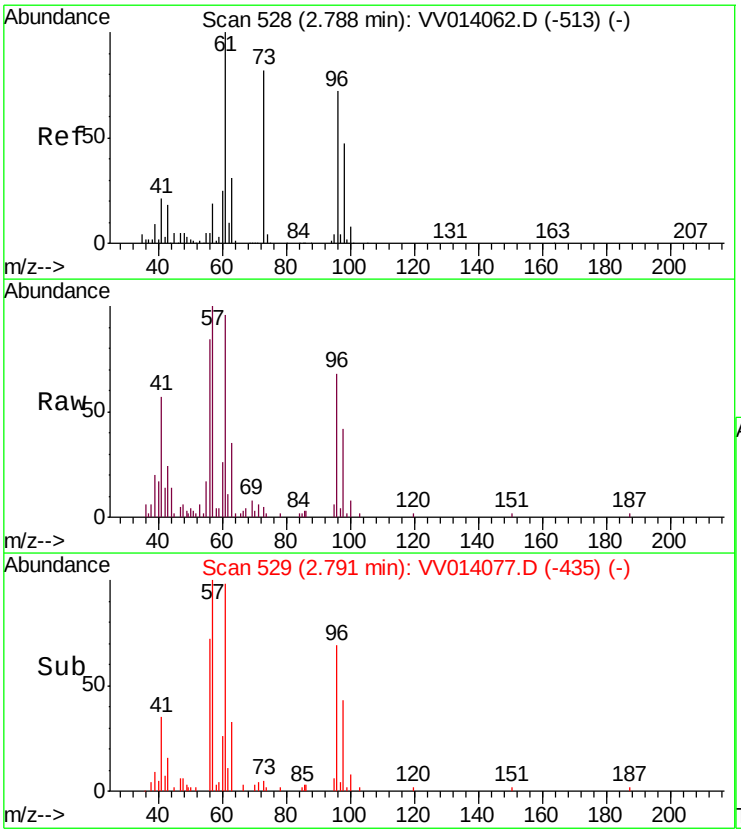
#15
Methyl Acetate
Concen: 0.550 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 43 Resp: 4219

Ion	Ratio	Lower	Upper
43	100		
74	1.2	20.5	30.7#

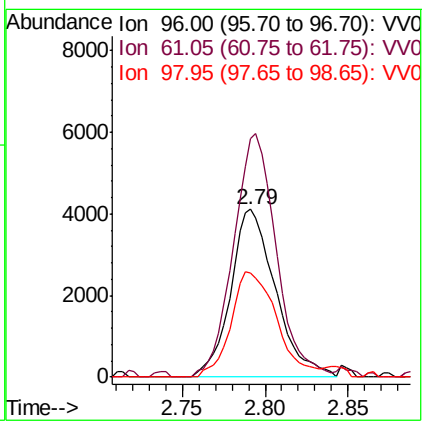


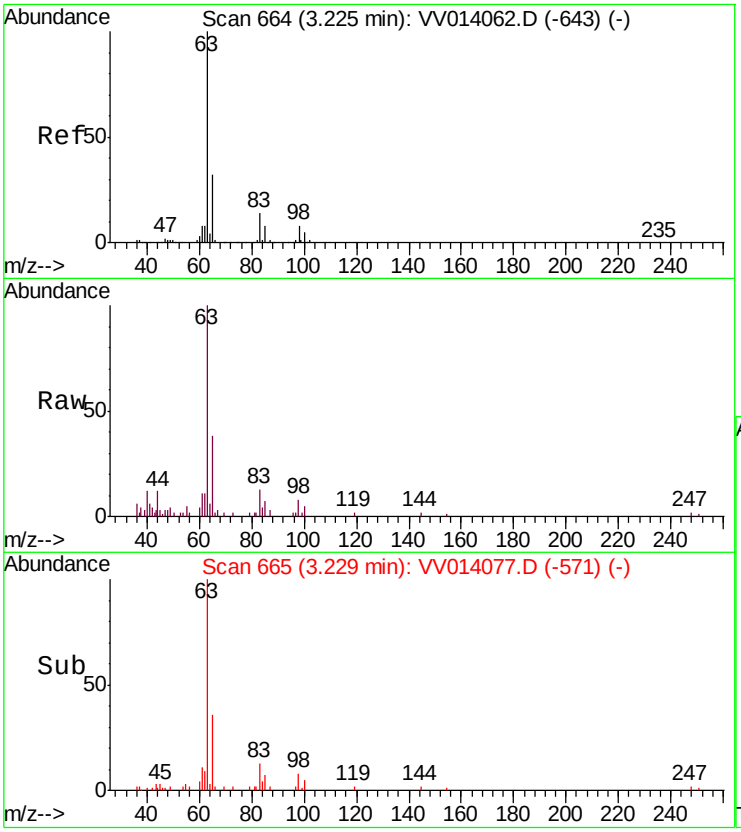


#18
trans-1,2-Dichloroethene
Concen: 0.373 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 96 Resp: 7715

Ion	Ratio	Lower	Upper
96	100		
61	142.6	95.1	176.7
98	62.3	46.5	86.3



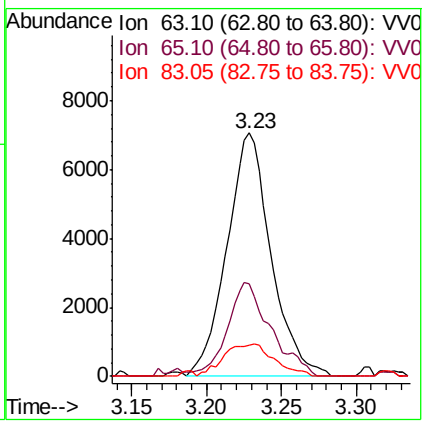


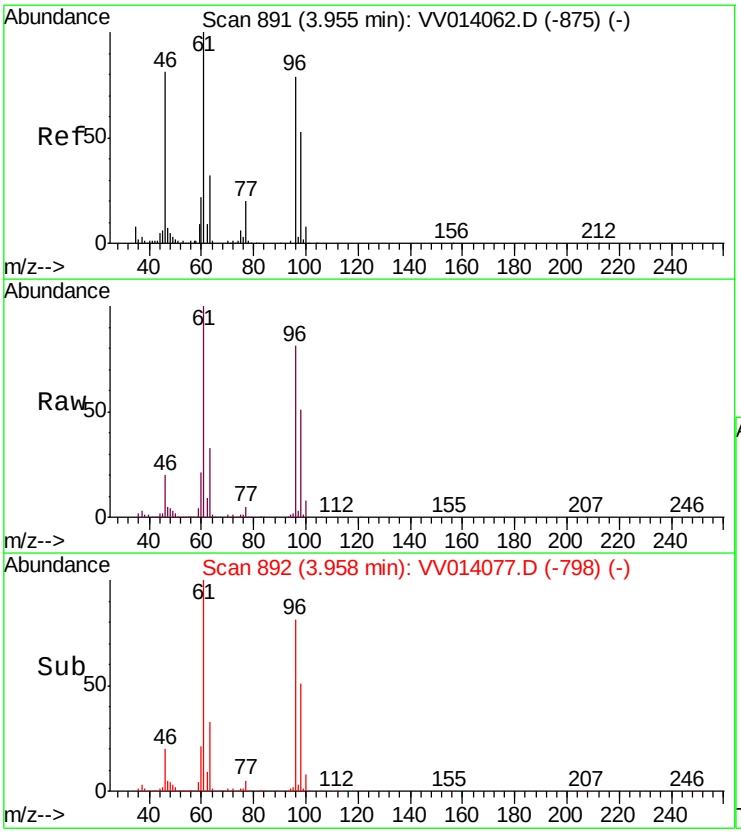
#19
1,1-Dichloroethane
Concen: 0.352 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 63 Resp: 14510

Ion	Ratio	Lower	Upper
63	100		
65	37.8	22.7	42.1
83	12.5	9.2	17.2

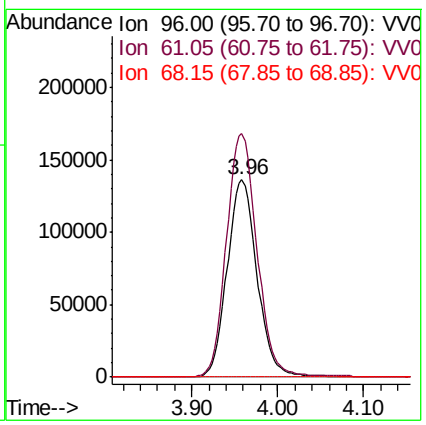


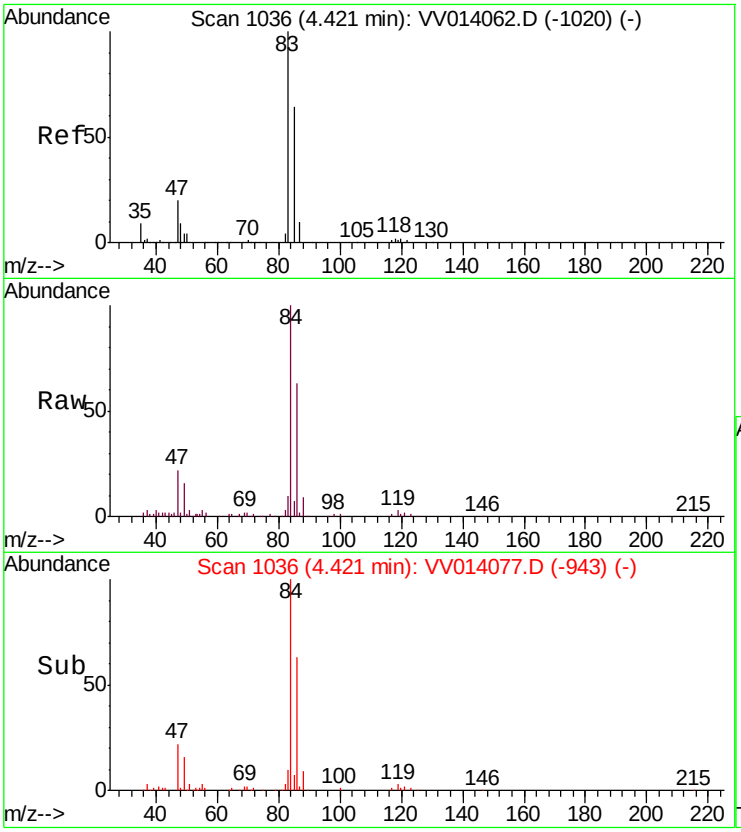


#22
cis-1,2-Dichloroethene
Concen: 13.597 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 96 Resp: 329432

Ion	Ratio	Lower	Upper
96	100		
61	123.4	86.1	159.9
68	0.0	0.0	0.0



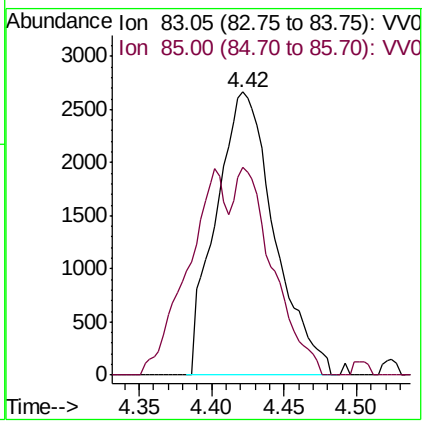


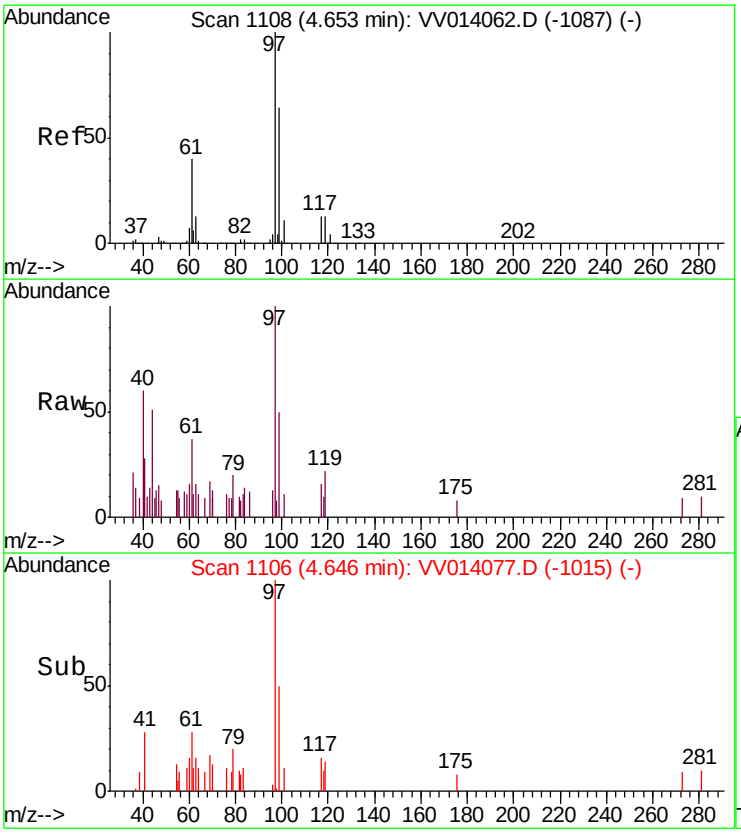
#25
Chloroform
Concen: 0.171 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 83 Resp: 7487

Ion	Ratio	Lower	Upper
83	100		
85	73.3	45.1	83.7

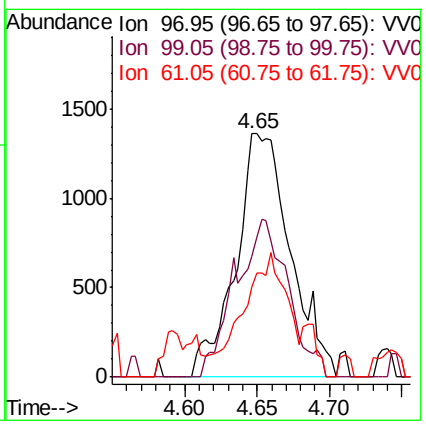


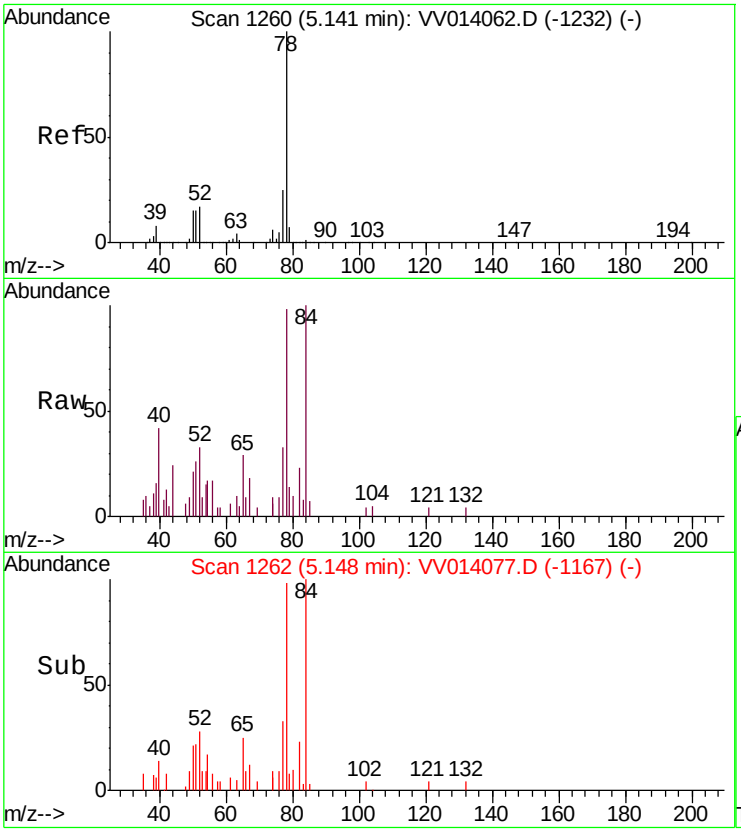


#29
1,1,1-Trichloroethane
Concen: 0.094 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 97 Resp: 3596

Ion	Ratio	Lower	Upper
97	100		
99	44.7	51.7	77.5#
61	40.3	35.0	52.6

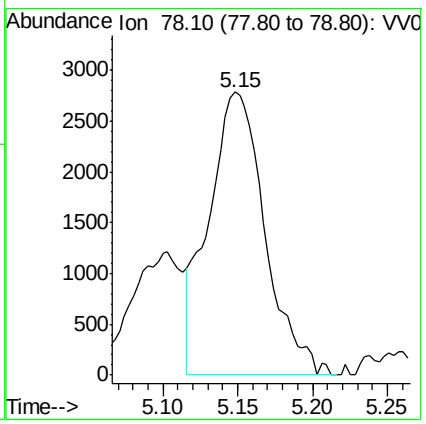


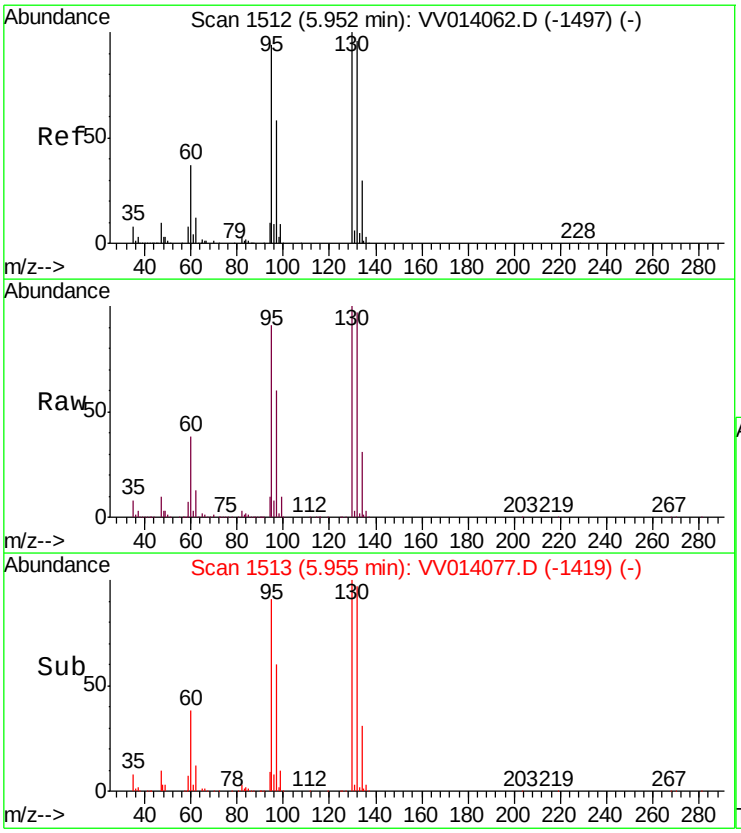


#33
Benzene
Concen: 0.080 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 78 Resp: 7274

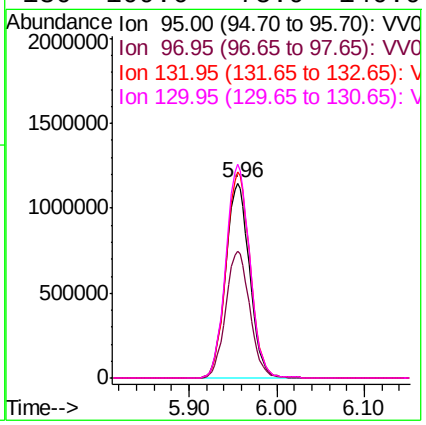


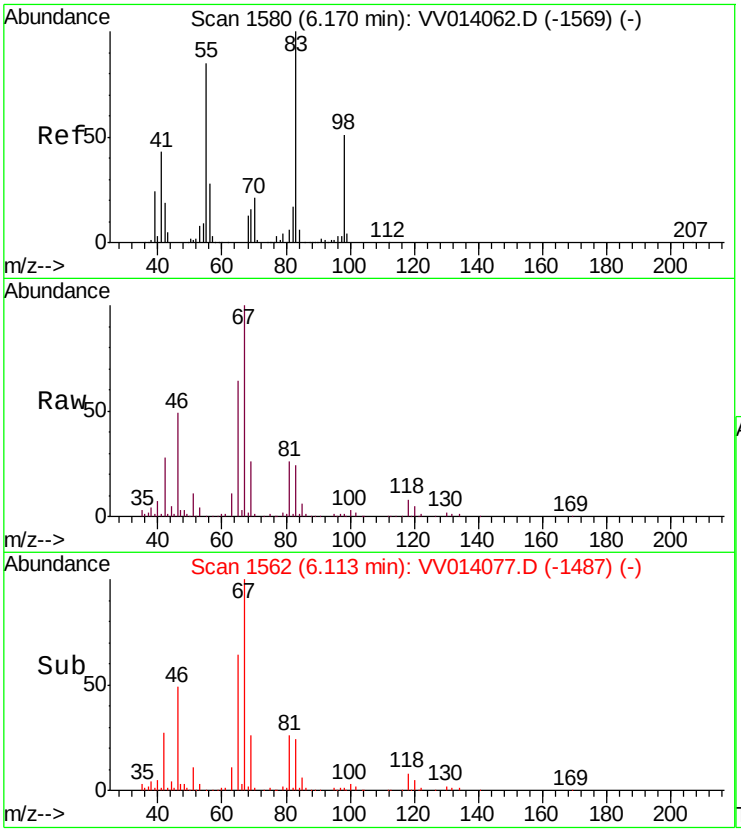


#34
Trichloroethene
Concen: 86.707 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 95 Resp: 2182961

Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.6	84.8
132	105.9	70.5	130.9
130	109.6	75.9	140.9



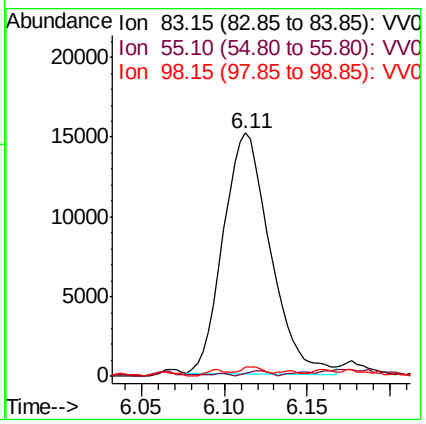


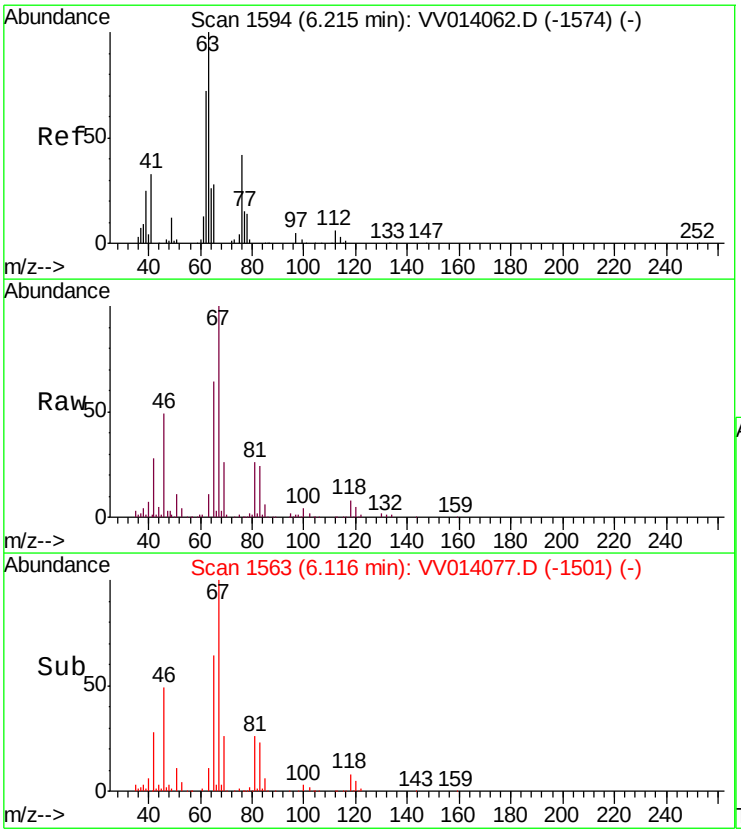
#35
Methylcyclohexane
Concen: 0.884 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument :
MSVOA_V
ClientSampleId :
BFDT4

Tgt Ion: 83 Resp: 29680

Ion	Ratio	Lower	Upper
83	100		
55	1.1	60.3	90.5#
98	0.0	38.1	57.1#

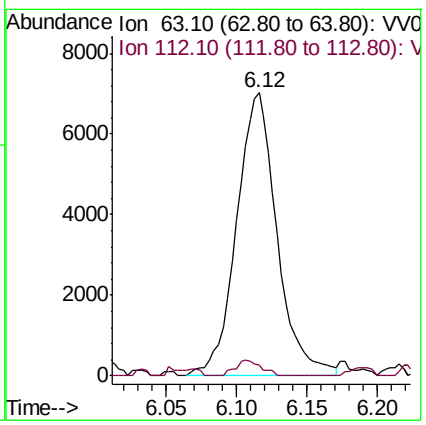


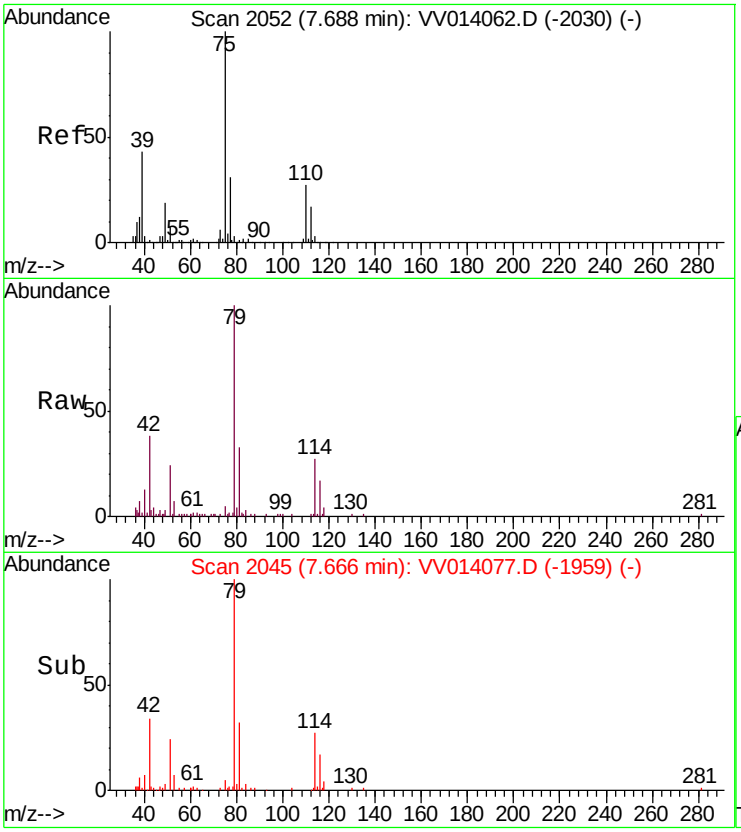


#37
1,2-Dichloropropane
Concen: 0.602 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion: 63 Resp: 14125

Ion	Ratio	Lower	Upper
63	100		
112	3.5	4.4	6.6#



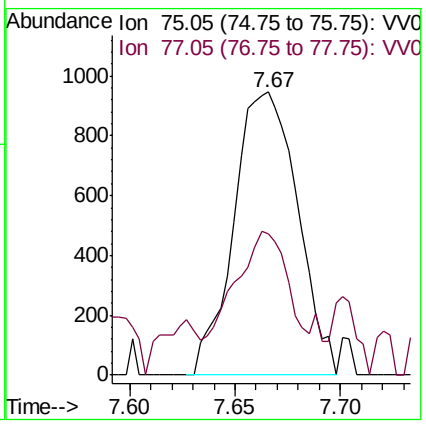


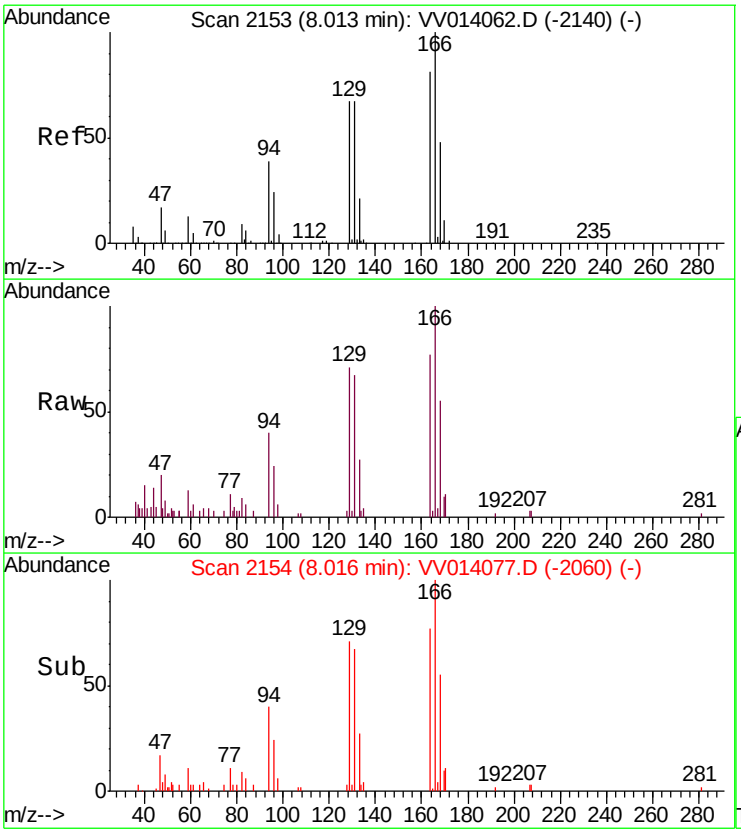
#44
trans-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.02 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument : MSVOA_V
ClientSampleId : BFDT4

Tgt Ion: 75 Resp: 1990

Ion	Ratio	Lower	Upper
75	100		
77	49.8	23.0	42.8#

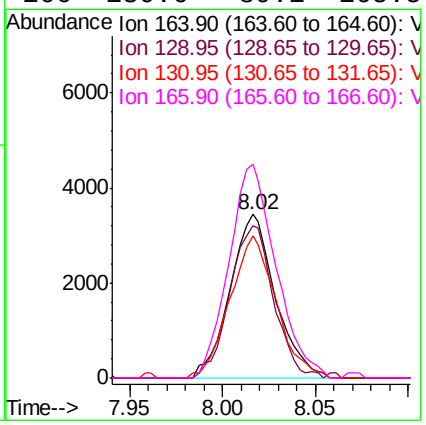


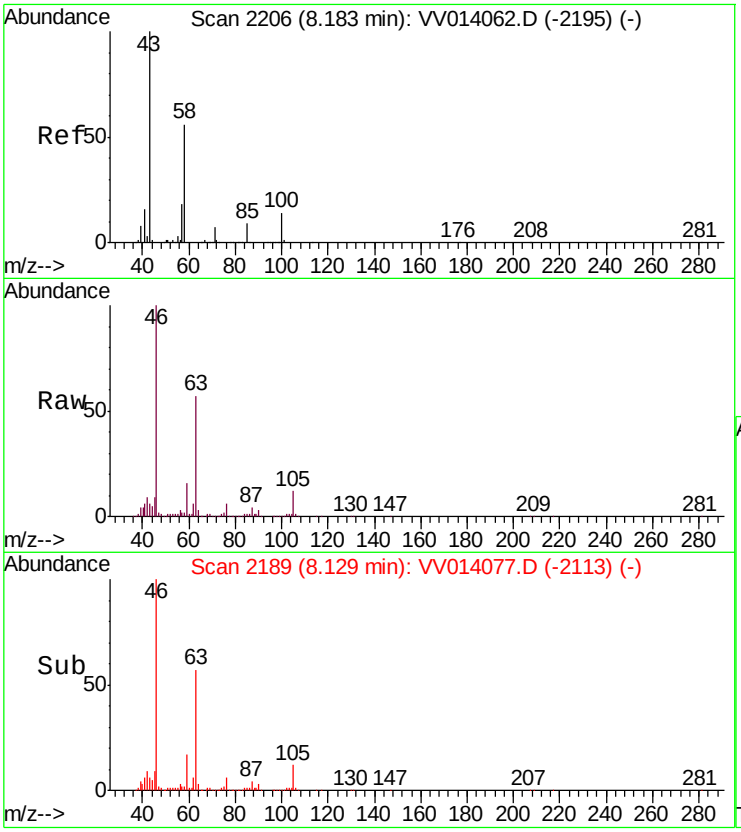


#47
Tetrachloroethene
Concen: 0.268 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion:164 Resp: 5865

Ion	Ratio	Lower	Upper
164	100		
129	93.1	60.3	112.1
131	86.9	59.9	111.3
166	130.6	89.1	165.5



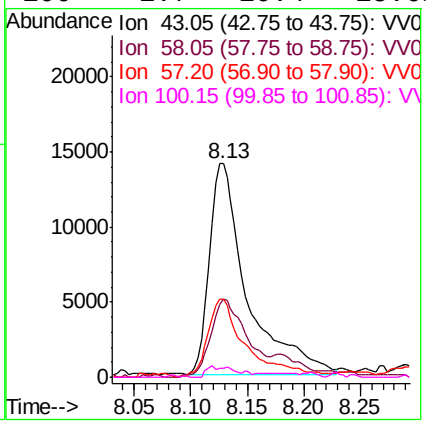


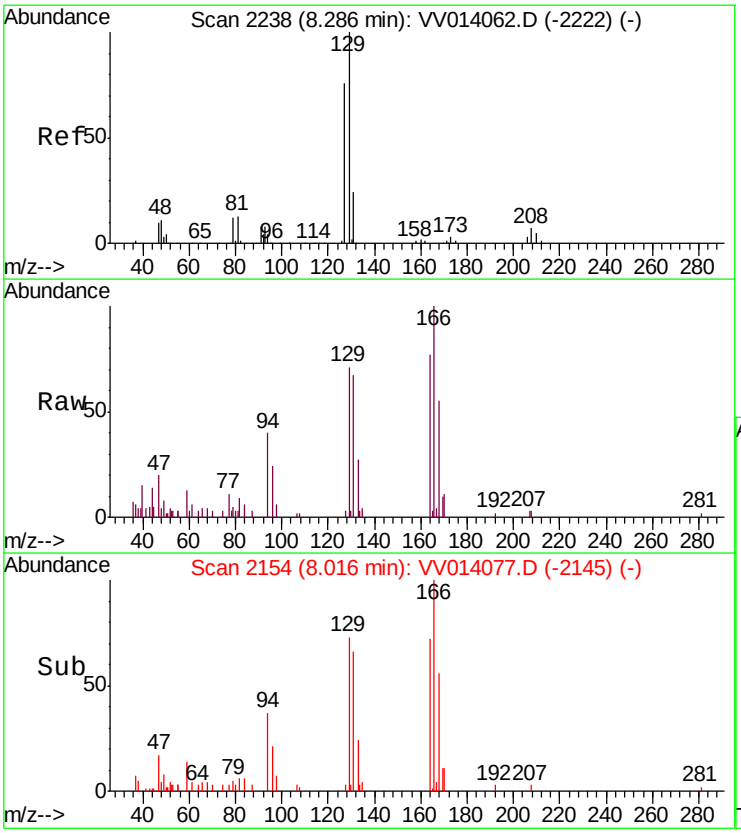
#48
2-Hexanone
Concen: 3.314 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.05 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Instrument : MSVOA_V
ClientSampleId : BFDT4

Tgt Ion: 43 Resp: 32371

Ion	Ratio	Lower	Upper
43	100		
58	35.6	43.2	64.8#
57	38.1	15.4	23.2#
100	1.7	10.4	15.6#





#49
Dibromochloromethane
Concen: 0.238 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV014077.D
Acq: 16 Dec 2019 17:11

Tgt Ion:129 Resp: 5099

Ion	Ratio	Lower	Upper
129	100		
127	3.7	55.7	103.5#