Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\
Data File : VV014079.D
Acq On : 16 Dec 2019 17:59
Operator : SY/MD
Sample : K6275-20
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFDT6

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Quant Time: Dec 17 07:00:44 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	405754	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	394805	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	188340	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	100425	4.00	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 80.00%			
7) Chloroethane-d5	1.58	69	97413	4.57	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 91.40%			
11) 1,1-Dichloroethene-d2	2.13	63	144253	3.41	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 68.20%			
20) 2-Butanone-d5	3.93	46	329788	63.17	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 126.34%			
24) Chloroform-d	4.40	84	207022	4.09	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.80%			
26) 1,2-Dichloroethane-d4	5.08	65	106729	4.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.60%			
32) Benzene-d6	5.10	84	370626	3.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 72.80%			
36) 1,2-Dichloropropane-d6	6.12	67	127259	4.19	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 83.80%			
41) Toluene-d8	7.36	98	285404	2.99	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 59.80%#			
43) trans-1,3-Dichloropropene-	7.66	79	40970	3.47	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 69.40%			
46) 2-Hexanone-d5	8.13	63	246919	56.66	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 113.32%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	112418	5.34	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 106.80%			
64) 1,2-Dichlorobenzene-d4	11.67	152	141871	4.27	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 85.40%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	2686	0.113	ug/L	83
5) Vinyl chloride	1.32	62	112126	4.626	ug/L	100
9) Trichlorofluoromethane	1.77	101	79303	2.107	ug/L	100
12) 1,1-Dichloroethene	2.14	96	42451	2.176	ug/L	83
13) Acetone	2.19	43	14147m	3.875	ug/L	
14) Carbon disulfide	2.32	76	8470	0.188	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	9282	0.174	ug/L #	1
18) trans-1,2-Dichloroethene	2.79	96	35617	1.617	ug/L	95
19) 1,1-Dichloroethane	3.23	63	41282	0.939	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	850271	32.914	ug/L #	98
29) 1,1,1-Trichloroethane	4.65	97	5759	0.143	ug/L #	70
33) Benzene	5.15	78	11442	0.118	ug/L	100
34) Trichloroethene	5.96	95	6074923	227.393	ug/L	98
47) Tetrachloroethene	8.02	164	13456	0.580	ug/L	96

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

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Instrument :
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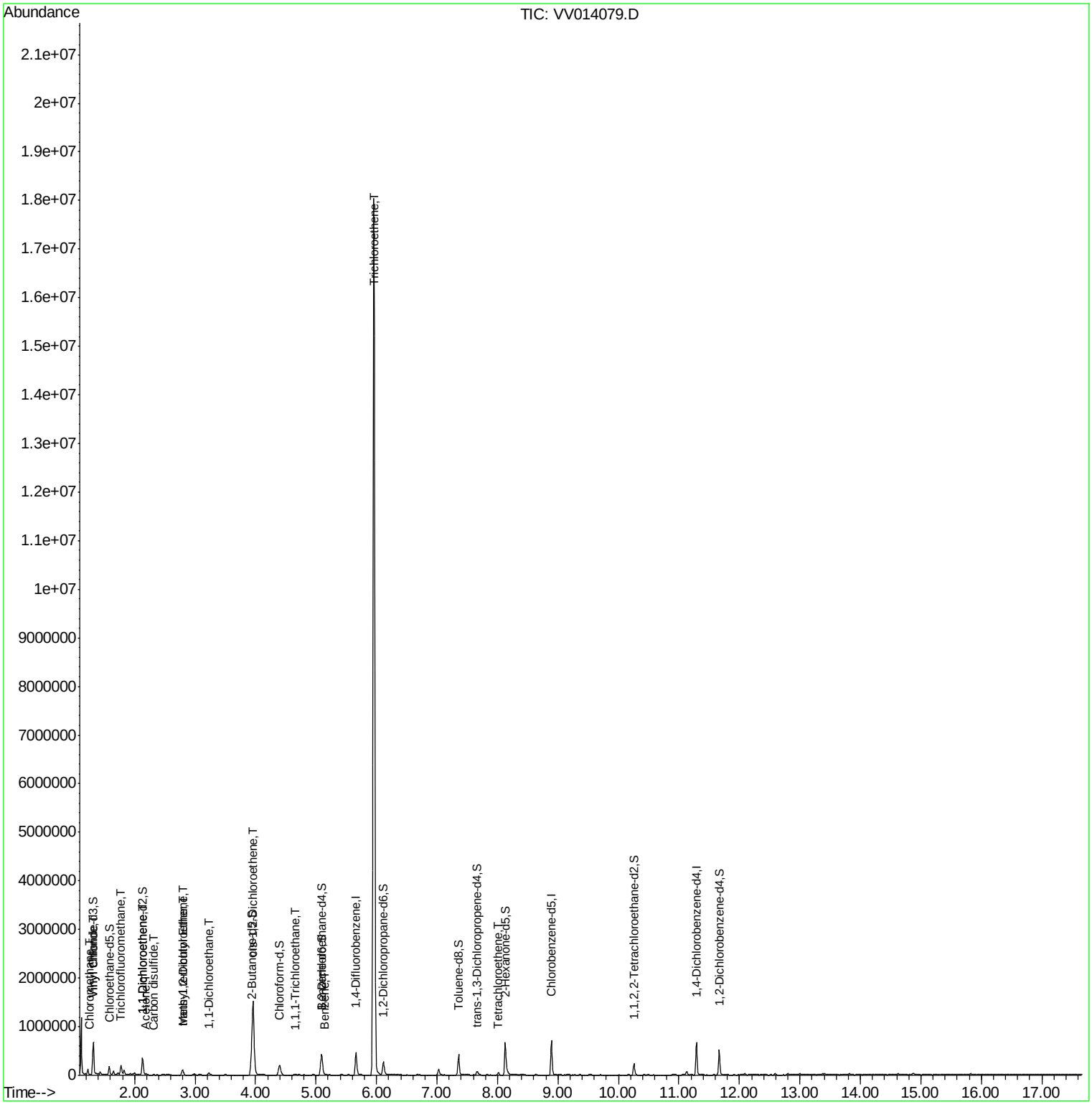

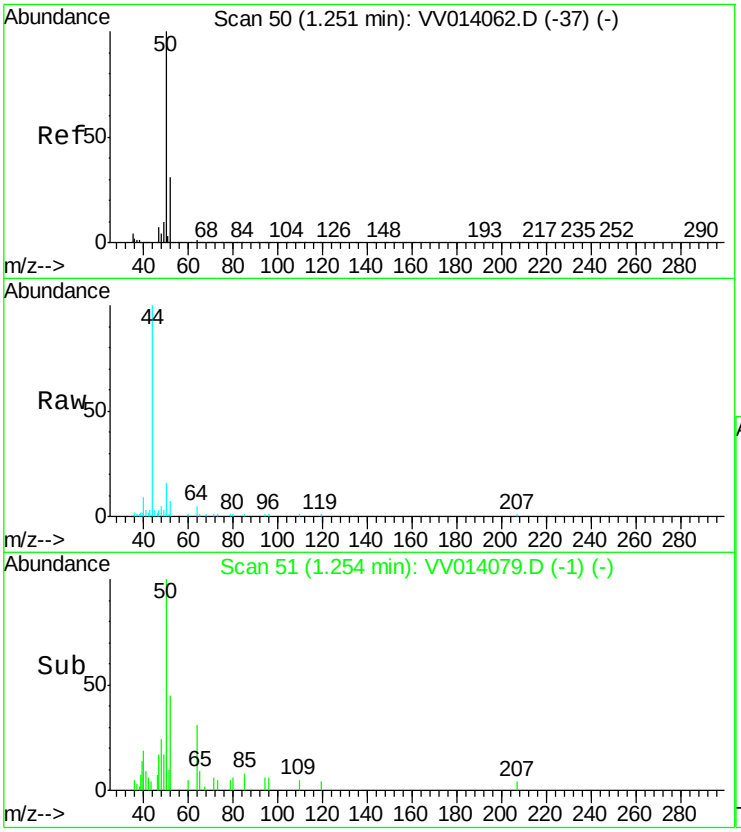

#3
Chloromethane
Concen: 0.113 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 50 Resp: 2686

Ion	Ratio	Lower	Upper
50	100		
52	41.5	22.5	41.7

Instrument :
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ClientSampleId :
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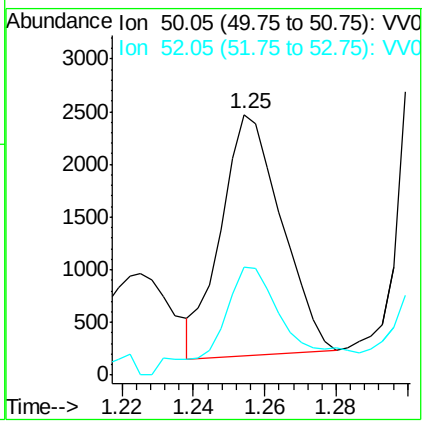
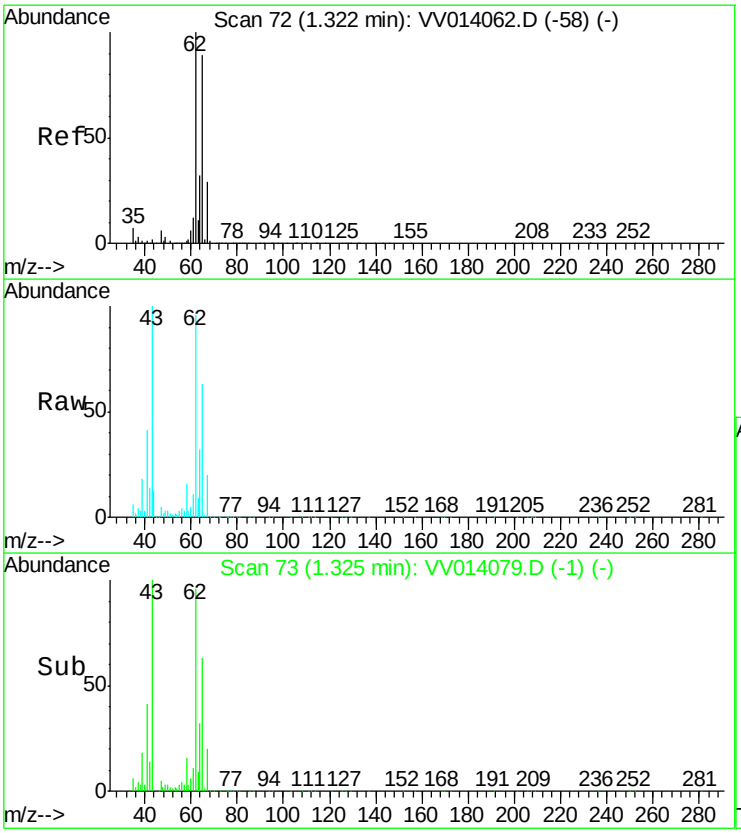
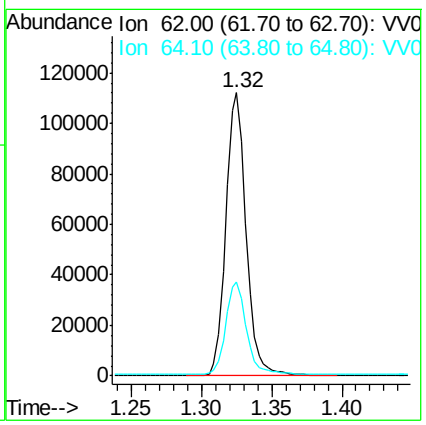


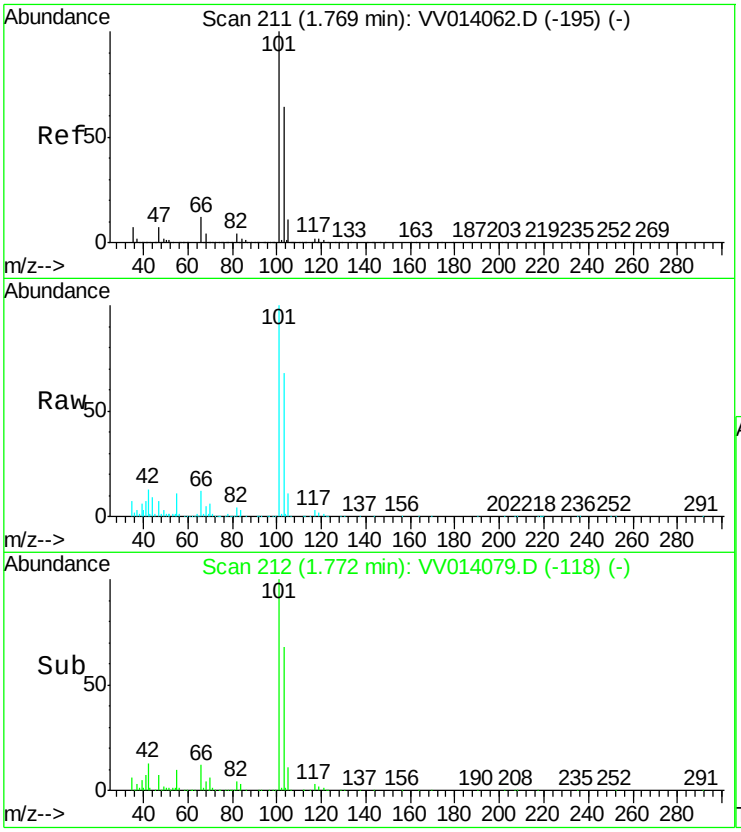


#5
Vinyl chloride
Concen: 4.626 ug/L
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 62 Resp: 112126

Ion	Ratio	Lower	Upper
62	100		
64	33.4	23.3	43.3

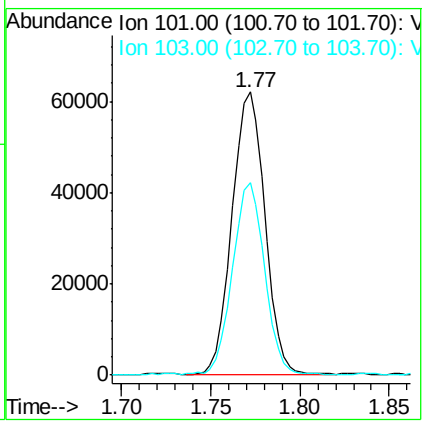




#9
Trichlorofluoromethane
Concen: 2.107 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion:101 Resp: 79303

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.9	79.3



Instrument :
MSVOA_V
ClientSampleId :
BFDT6

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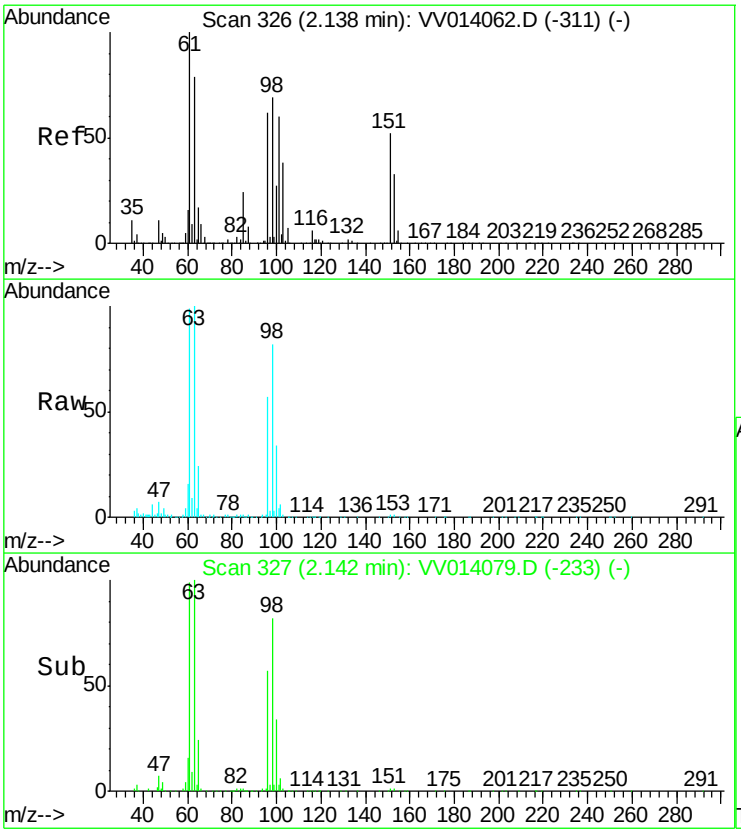
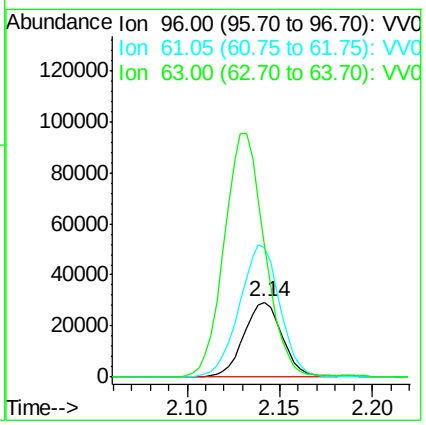
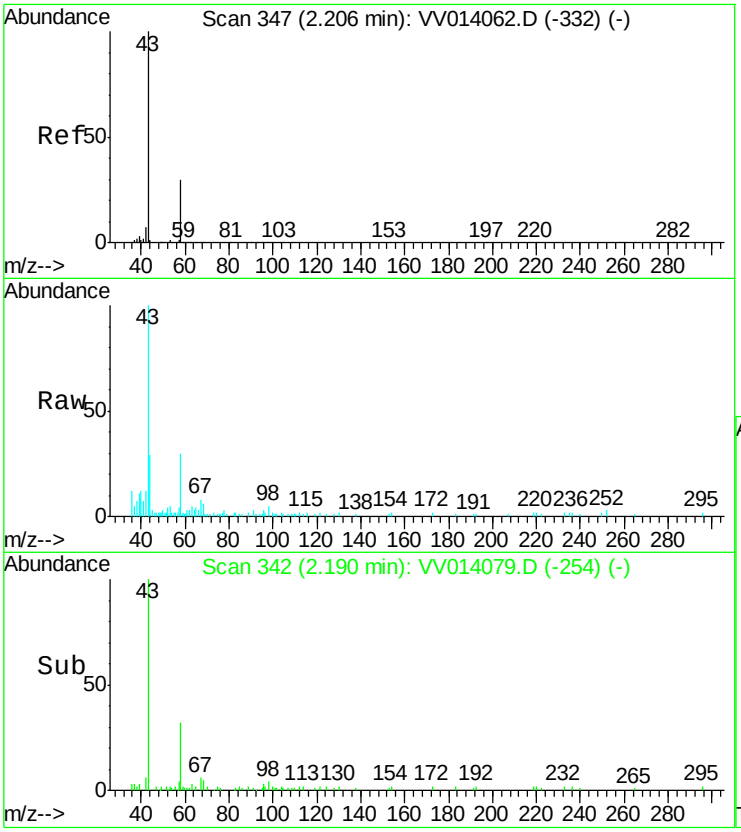


#12
1,1-Dichloroethene
Concen: 2.176 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 96 Resp: 42451

Ion	Ratio	Lower	Upper
96	100		
61	173.6	116.3	215.9
63	175.5	96.7	179.7





#13
Acetone
Concen: 3.875 ug/L m
RT: 2.19 min Scan# 342
Delta R.T. -0.02 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 43 Resp: 14147

Ion	Ratio	Lower	Upper
43	100		
58	1.0	0.0	27.2

Instrument :
MSVOA_V
ClientSampleId :
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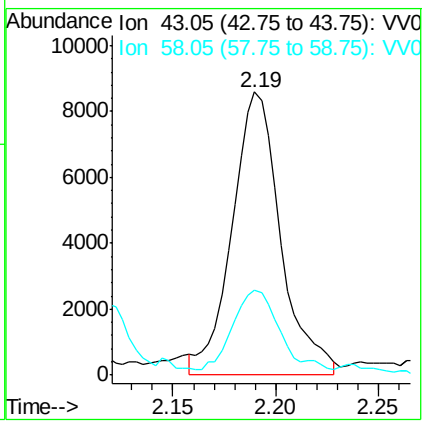
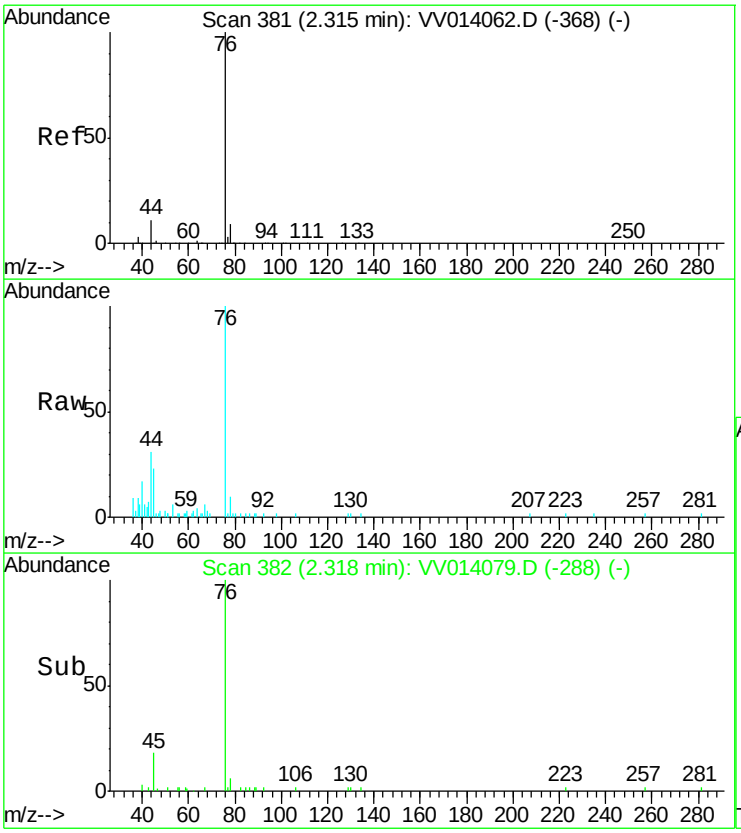
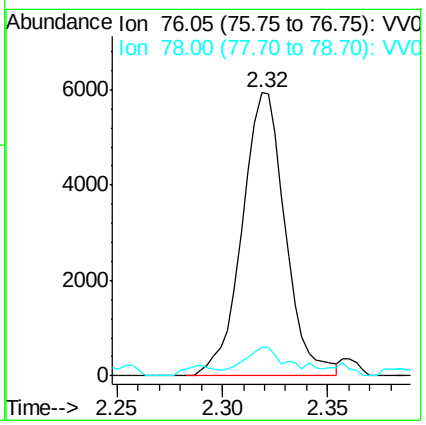


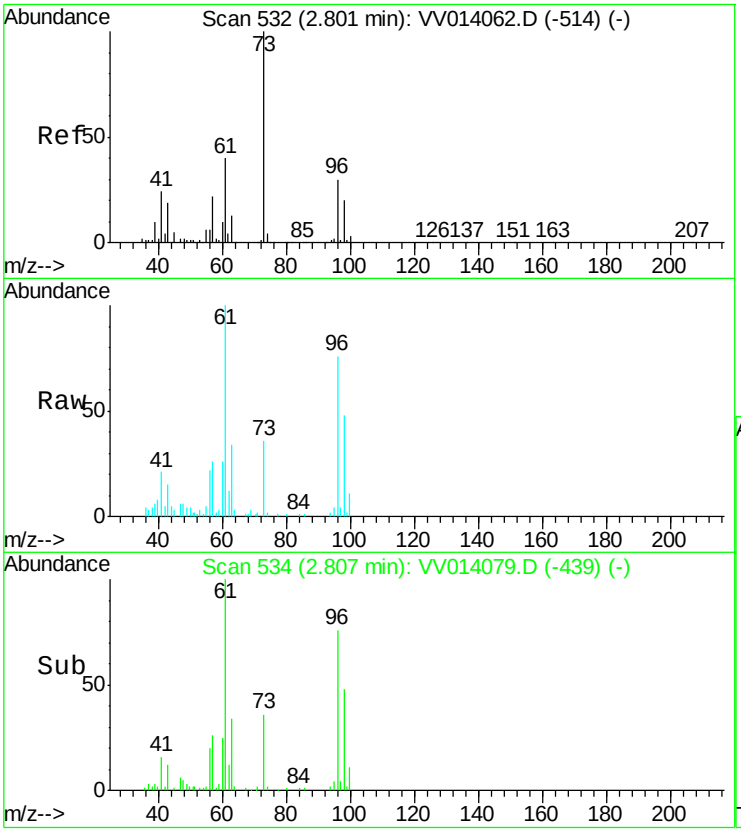


#14
Carbon disulfide
Concen: 0.188 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 76 Resp: 8470

Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.5	11.3

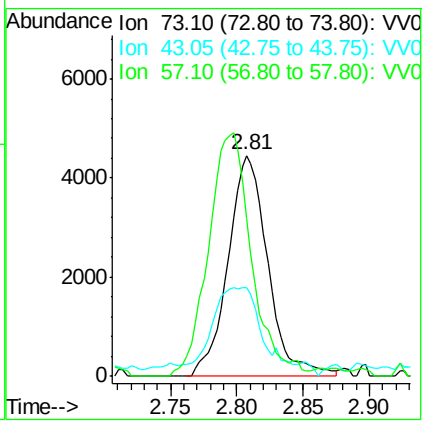




#17
Methyl tert-butyl Ether
Concen: 0.174 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.01 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 73 Resp: 9282

Ion	Ratio	Lower	Upper
73	100		
43	40.6	15.5	23.3#
57	119.1	17.5	26.3#



Instrument :
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ClientSampleId :
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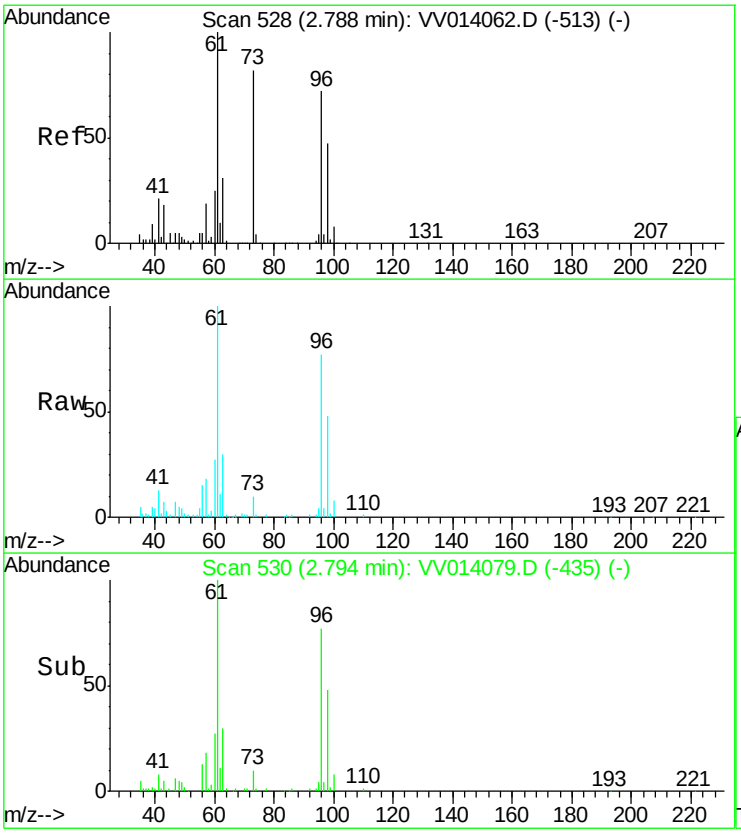
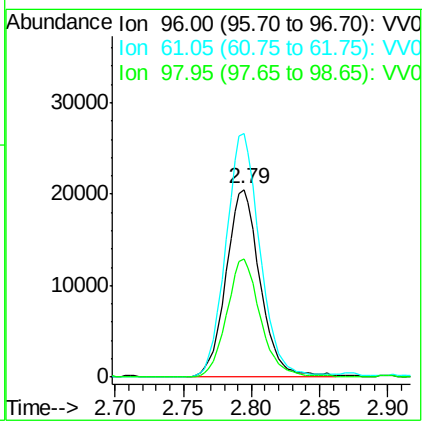
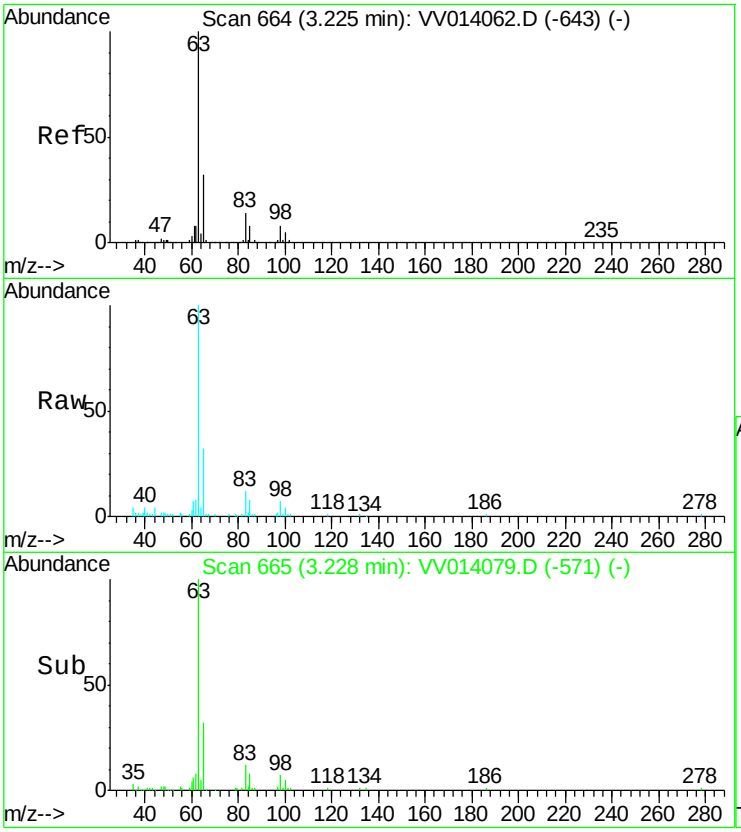


#18
trans-1,2-Dichloroethene
Concen: 1.617 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 96 Resp: 35617

Ion	Ratio	Lower	Upper
96	100		
61	129.8	95.1	176.7
98	62.7	46.5	86.3

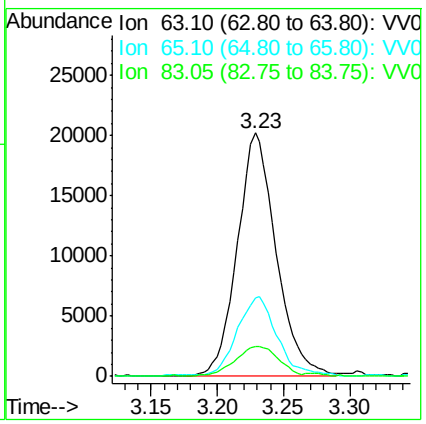




#19
1,1-Dichloroethane
Concen: 0.939 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 63 Resp: 41282

Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.7	42.1
83	12.3	9.2	17.2



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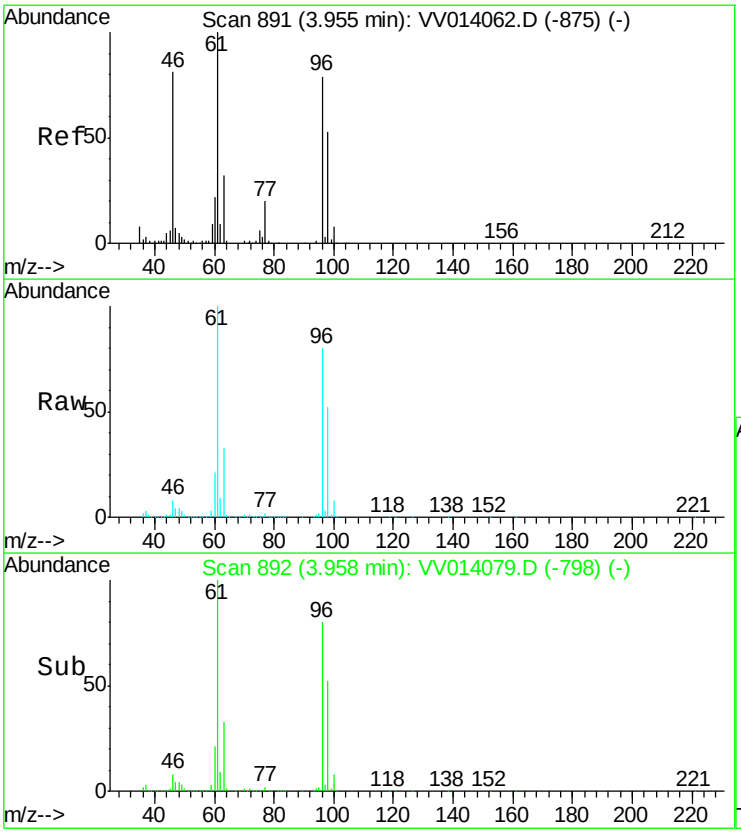
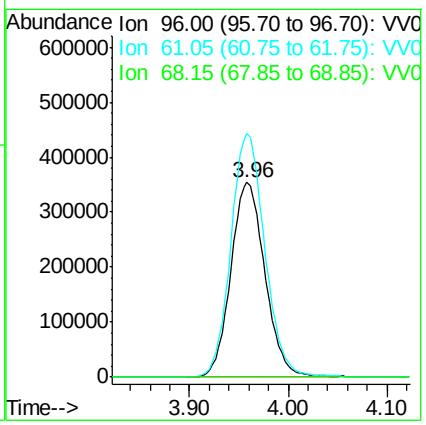
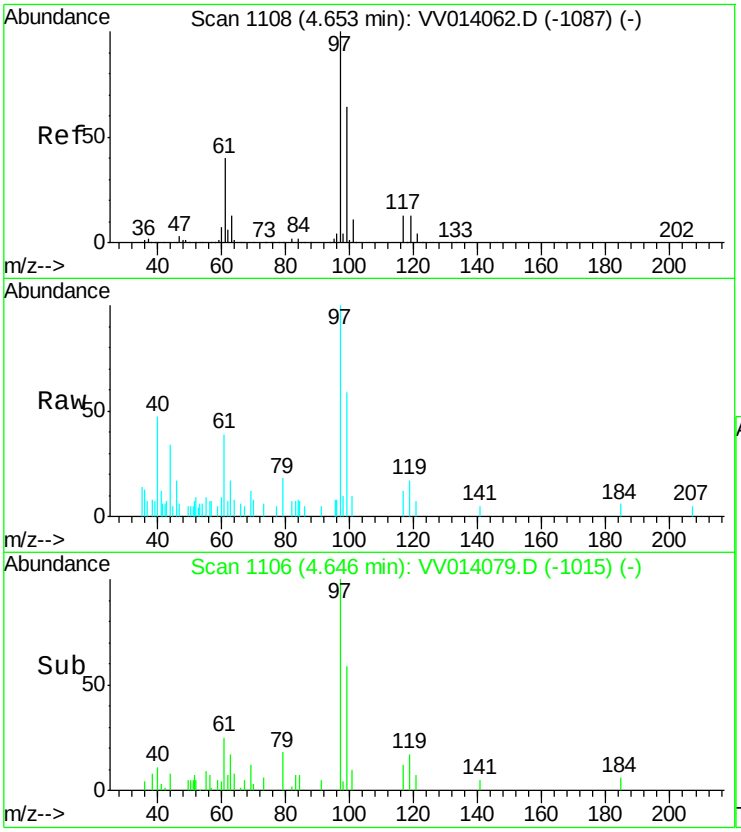


#22
cis-1,2-Dichloroethene
Concen: 32.914 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 96 Resp: 850271

Ion	Ratio	Lower	Upper
96	100		
61	124.9	86.1	159.9
68	0.0	0.0	0.0#





#29
1,1,1-Trichloroethane
Concen: 0.143 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 97 Resp: 5759

Ion	Ratio	Lower	Upper
97	100		
99	32.8	51.7	77.5#
61	52.7	35.0	52.6#

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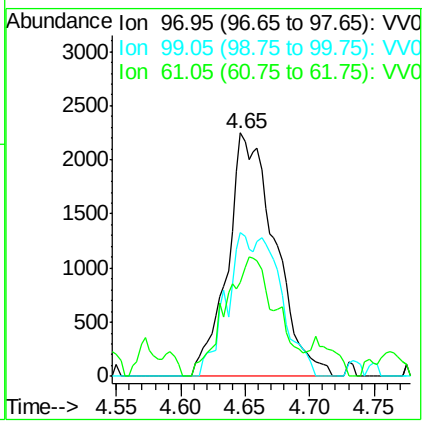
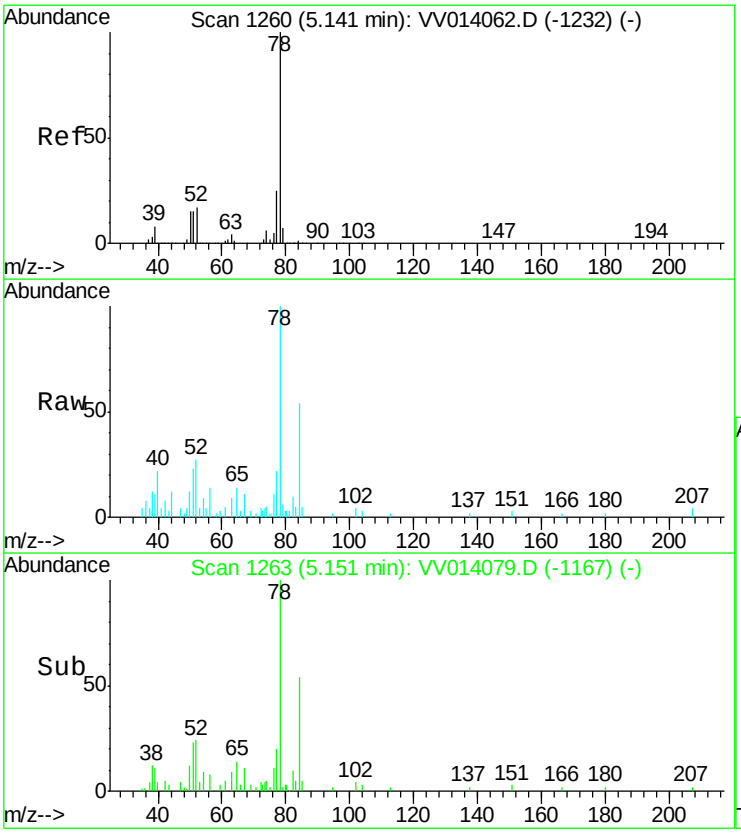
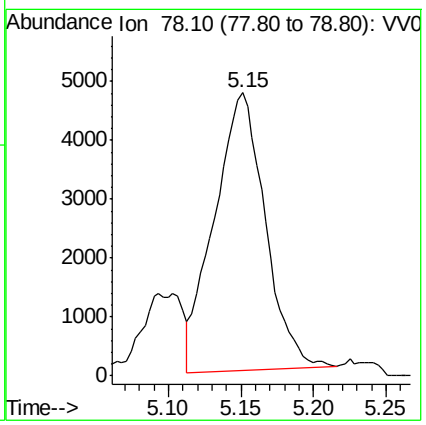
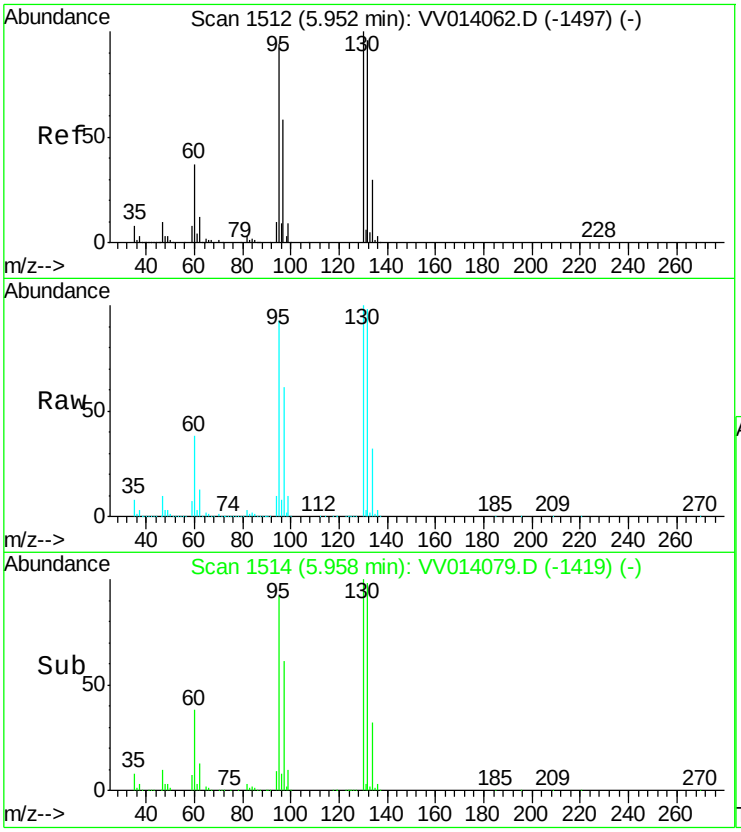




#33
Benzene
Concen: 0.118 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 78 Resp: 11442

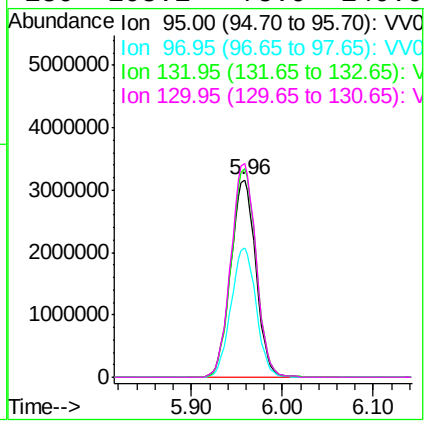




#34
Trichloroethene
Concen: 227.393 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 95 Resp: 6074923

Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.6	84.8
132	105.7	70.5	130.9
130	108.1	75.9	140.9



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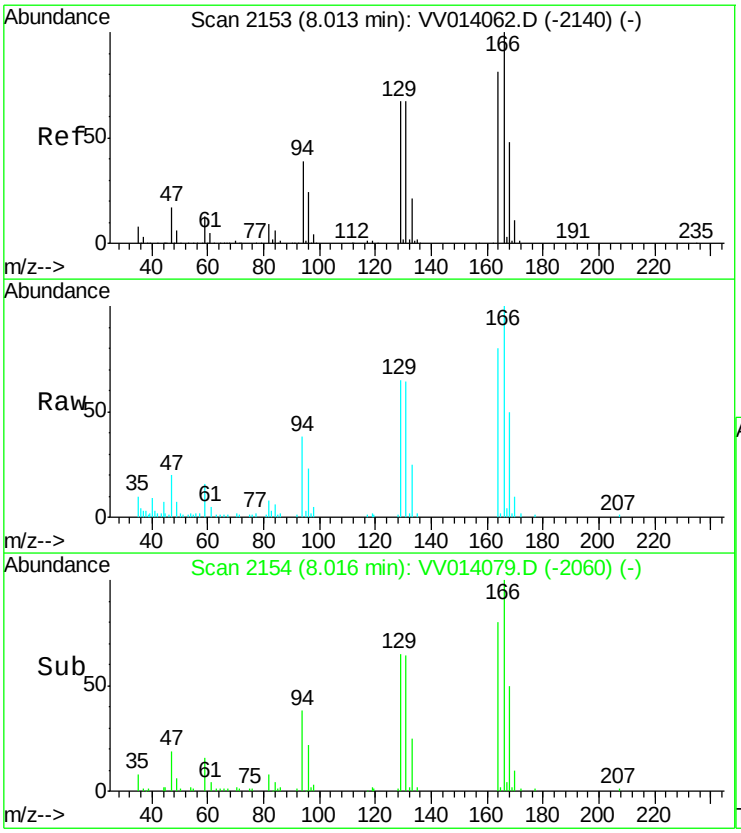

#47
Tetrachloroethene
Concen: 0.580 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion:164 Resp: 13456

Ion	Ratio	Lower	Upper
164	100		
129	82.0	60.3	112.1
131	80.7	59.9	111.3
166	125.4	89.1	165.5