Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061419\

Quantitation Report (Not Reviewed)

Data File : VV011532.D
Acq On : 15 Jun 2019 11:47
Operator : SY/MD
Sample : K3289-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFCM1

Quant Time: Jun 17 04:35:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 04:30:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	177378	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	170766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66325	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	63478	4.74	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 94.80%			
7) Chloroethane-d5	1.55	69	50724	5.98	ug/L	-0.02
Spiked Amount 5.000	Range 65 - 130		Recovery = 119.60%			
11) 1,1-Dichloroethene-d2	2.12	63	103451	4.06	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 81.20%			
20) 2-Butanone-d5	3.94	46	193106	51.24	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 102.48%			
24) Chloroform-d	4.39	84	120365	4.67	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.40%			
26) 1,2-Dichloroethane-d4	5.08	65	70044	4.92	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.40%			
32) Benzene-d6	5.09	84	241363	4.74	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.80%			
36) 1,2-Dichloropropane-d6	6.11	67	74998	4.64	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 92.80%			
41) Toluene-d8	7.36	98	209441	4.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.20%			
43) trans-1,3-Dichloropropene-	7.66	79	22024	4.09	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 81.80%			
46) 2-Hexanone-d5	8.13	63	149580	48.17	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 96.34%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	54776	4.52	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 90.40%			
64) 1,2-Dichlorobenzene-d4	11.67	152	69565	5.26	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 105.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	2015	0.127	ug/L	90
3) Chloromethane	1.25	50	1748	0.102	ug/L	100
5) Vinyl chloride	1.32	62	92314	5.453	ug/L	99
8) Chloroethane	1.49	64	5107	0.623	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1189	0.112	ug/L #	26
12) 1,1-Dichloroethene	2.13	96	24112	2.186	ug/L #	62
13) Acetone	2.19	43	5825	2.294	ug/L	88
18) trans-1,2-Dichloroethene	2.78	96	3952	0.317	ug/L	96
19) 1,1-Dichloroethane	3.22	63	628572	24.359	ug/L	99
21) 2-Butanone	4.14	43	13981	3.480	ug/L #	55
22) cis-1,2-Dichloroethene	3.95	96	326092	23.076	ug/L	99
25) Chloroform	4.42	83	2225	0.086	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	133538	6.285	ug/L	99
31) Carbon tetrachloride	4.65	117	16029	0.932	ug/L	99
33) Benzene	5.14	78	5009	0.090	ug/L	100
34) Trichloroethene	5.96	95	265694	18.680	ug/L	97
35) Methylcyclohexane	6.12	83	18234	0.899	ug/L #	15

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061419\

Quantitation Report (Not Reviewed)

Data File : VV011532.D
Acq On : 15 Jun 2019 11:47
Operator : SY/MD
Sample : K3289-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFCM1

Quant Time: Jun 17 04:35:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 04:30:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,2-Dichloropropane	6.11	63	9193	0.619	ug/L	#	87
39) cis-1,3-Dichloropropene	7.03	75	1743	0.093	ug/L	#	31
42) Toluene	7.43	91	5616	0.097	ug/L		94
44) trans-1,3-Dichloropropene	7.66	75	1167	0.082	ug/L	#	34
47) Tetrachloroethene	8.02	164	39784	3.922	ug/L		96
48) 2-Hexanone	8.13	43	20304	2.729	ug/L	#	76
49) Dibromochloromethane	8.02	129	36893	3.705	ug/L	#	12
51) Chlorobenzene	8.93	112	3911	0.110	ug/L		96

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

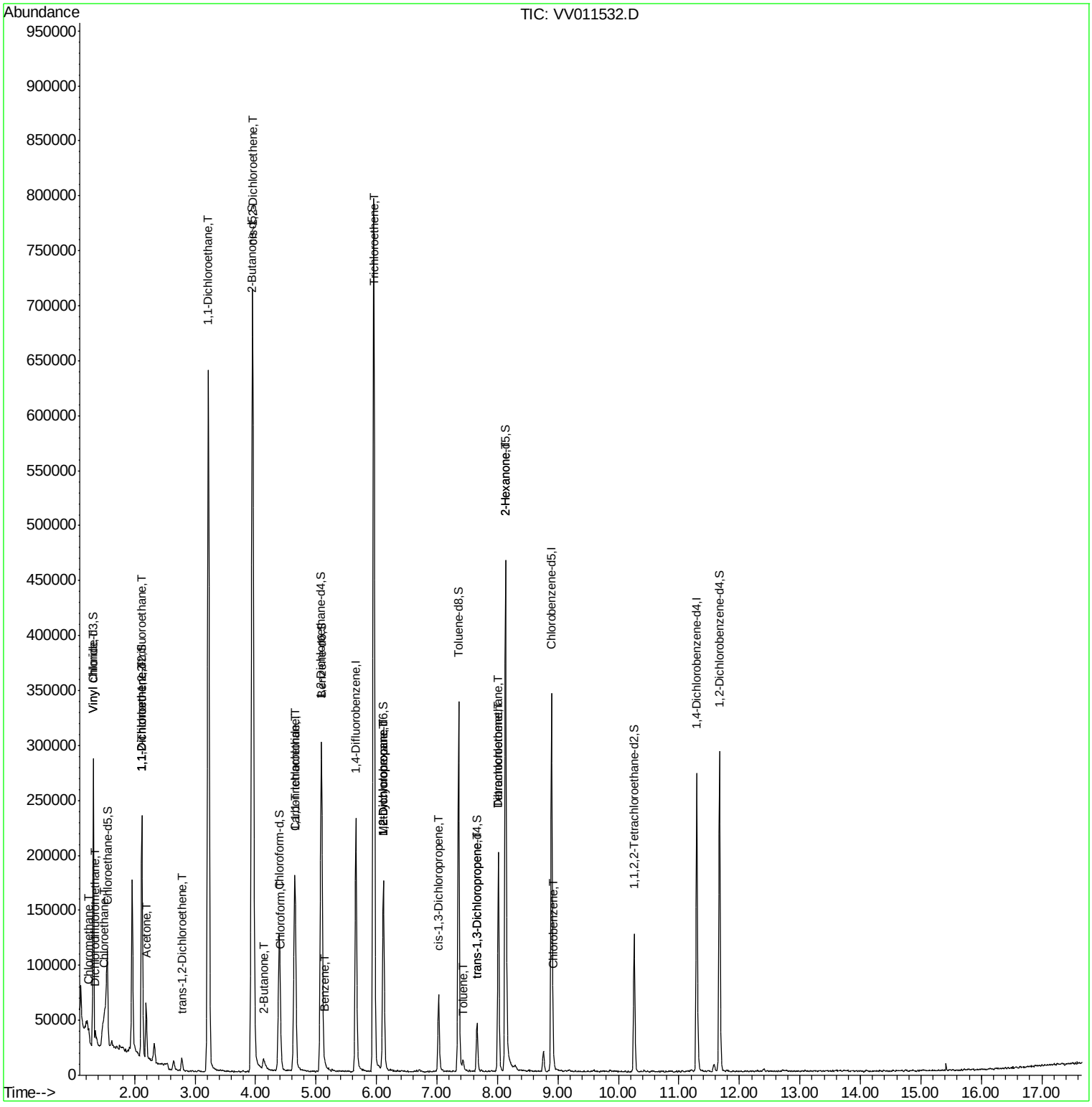
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061419\

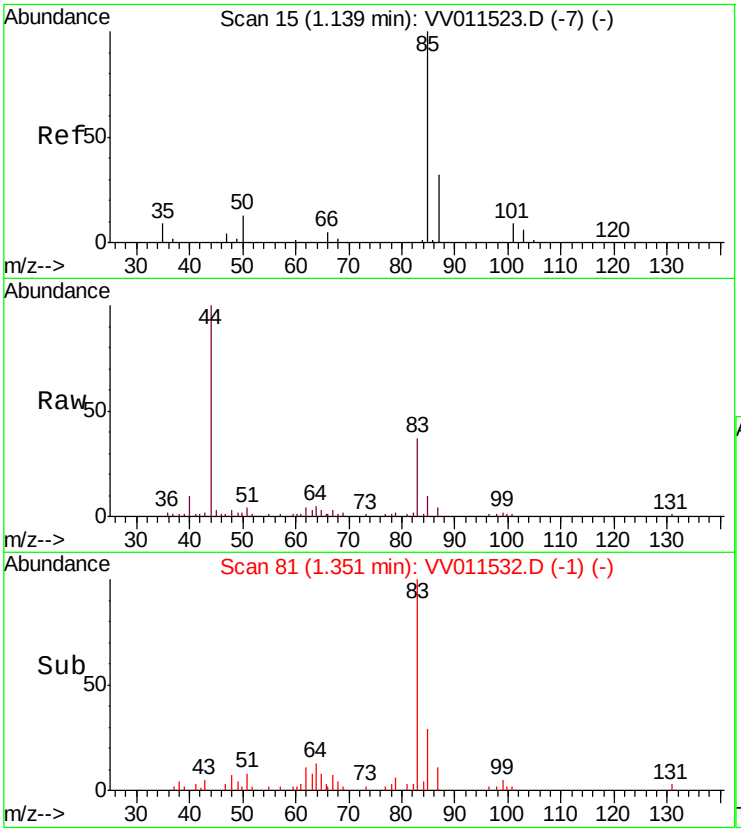
Quantitation Report (Not Reviewed)

Data File : VV011532.D
Acq On : 15 Jun 2019 11:47
Operator : SY/MD
Sample : K3289-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BFCM1

Quant Time: Jun 17 04:35:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 04:30:15 2019
Response via : Initial Calibration



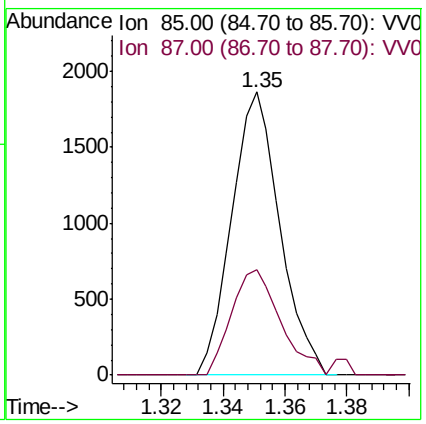


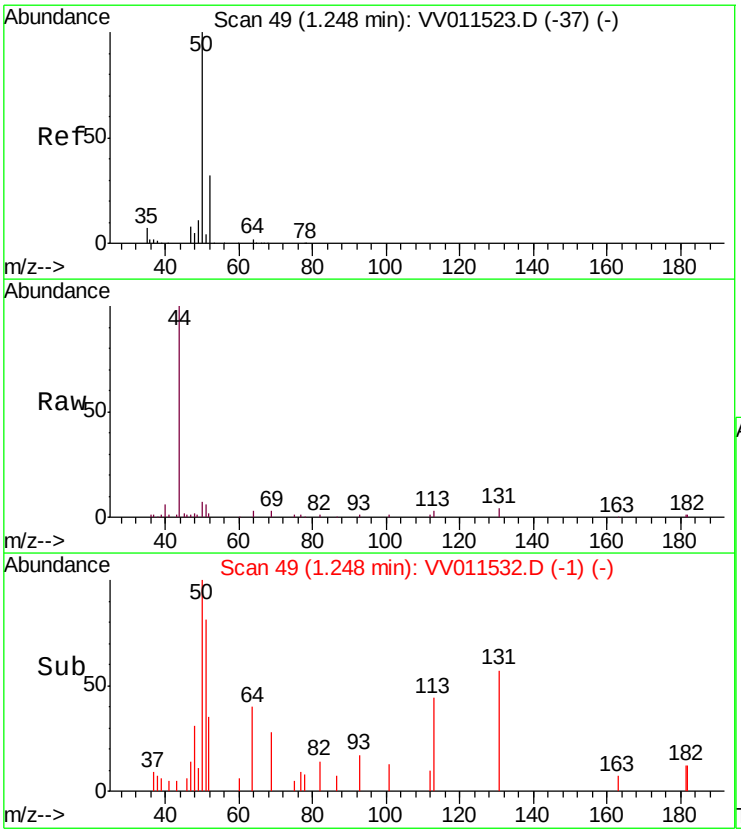
#2
Dichlorodifluoromethane
Concen: 0.127 ug/L
RT: 1.35 min Scan# 81
Delta R.T. 0.21 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 85 Resp: 2015

Ion	Ratio	Lower	Upper
85	100		
87	38.1	25.9	38.9

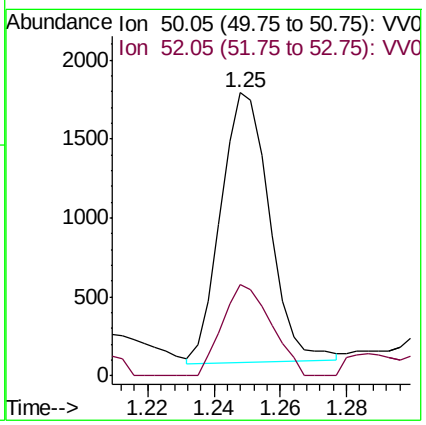


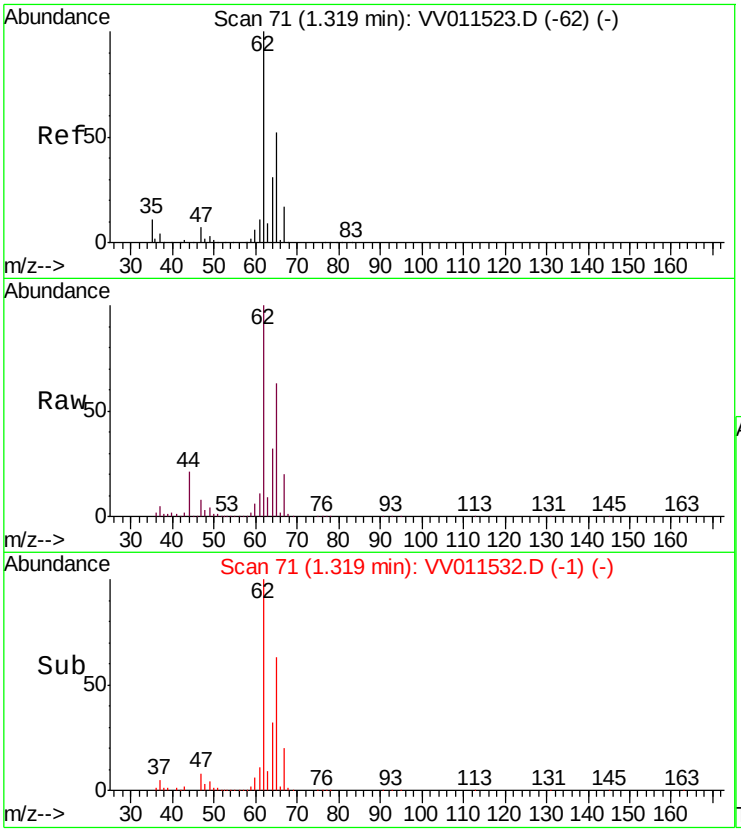


#3
Chloromethane
Concen: 0.102 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 50 Resp: 1748

Ion	Ratio	Lower	Upper
50	100		
52	32.1	22.7	42.1



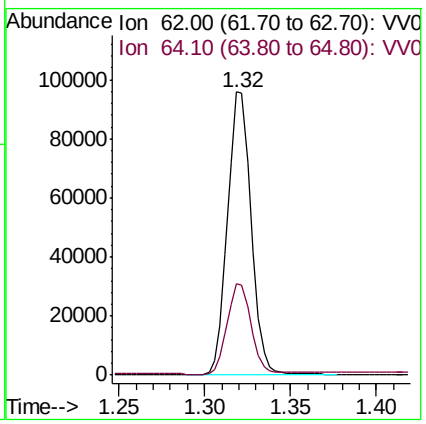


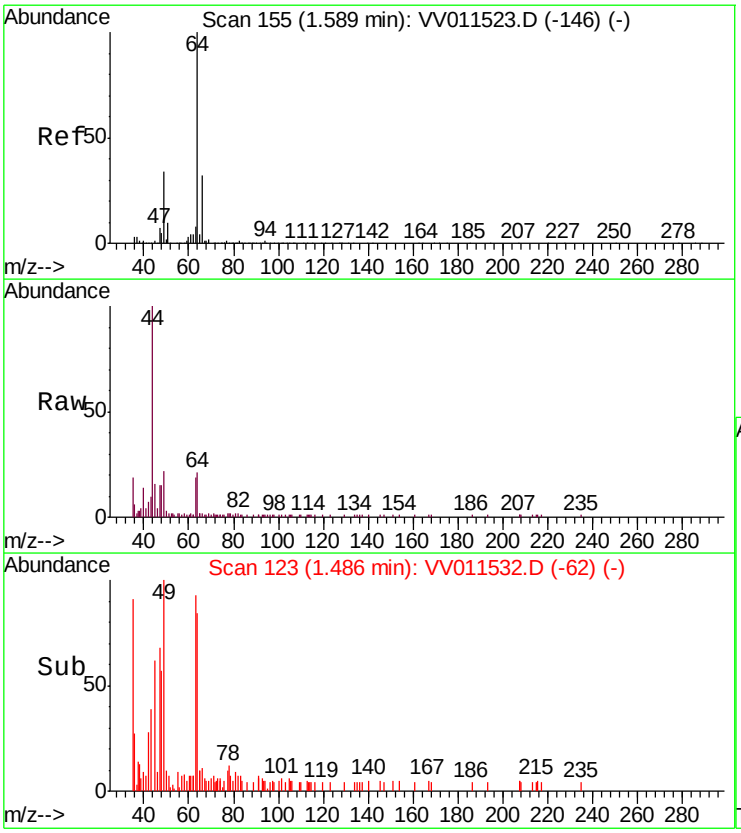
#5
Vinyl chloride
Concen: 5.453 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 62 Resp: 92314

Ion	Ratio	Lower	Upper
62	100		
64	32.5	23.0	42.6

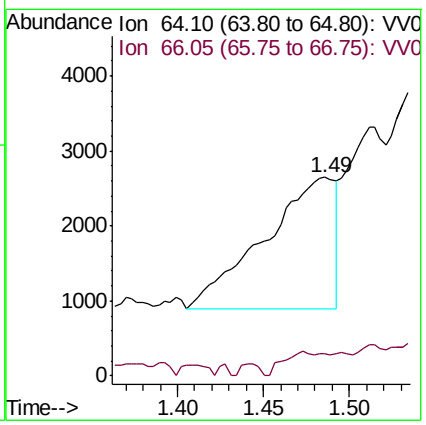


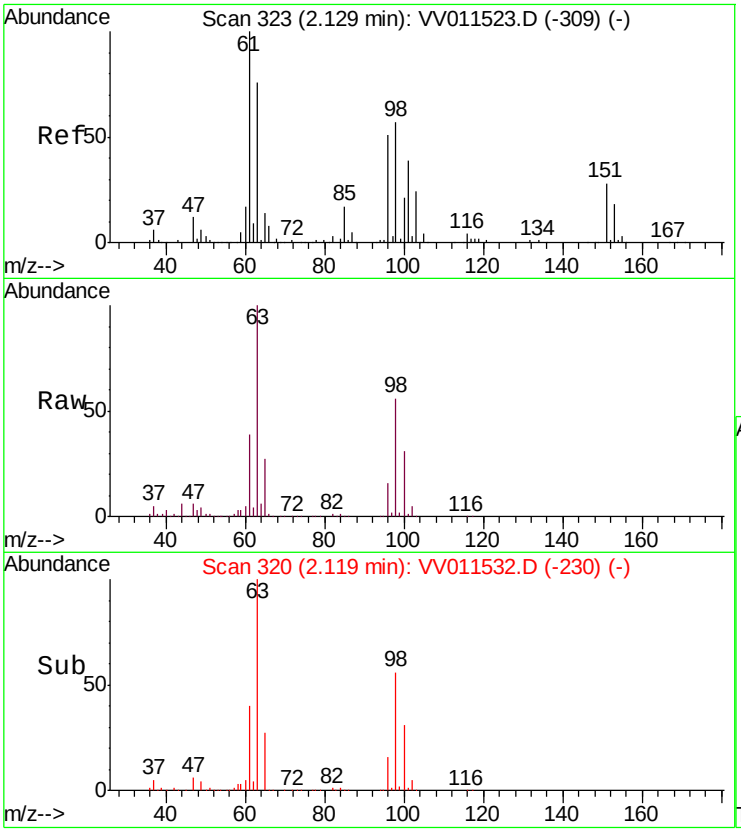


#8
Chloroethane
Concen: 0.623 ug/L
RT: 1.49 min Scan# 123
Delta R.T. -0.10 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 64 Resp: 5107

Ion	Ratio	Lower	Upper
64	100		
66	10.1	21.6	40.2#



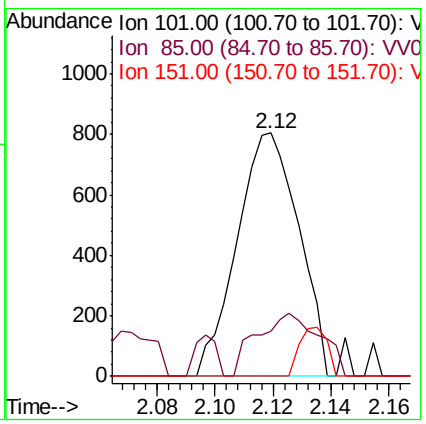


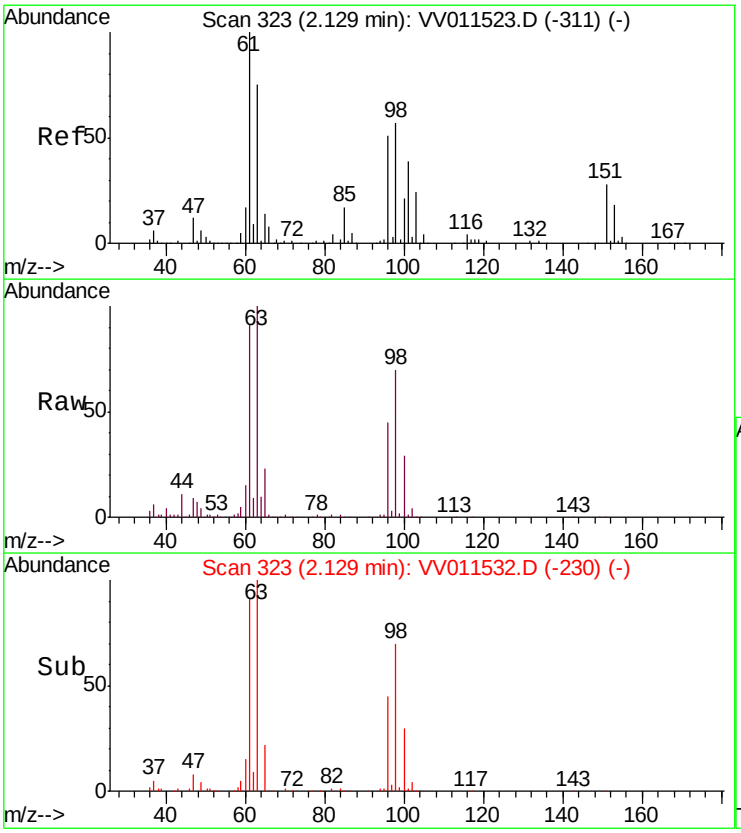
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.112 ug/L
RT: 2.12 min Scan# 320
Delta R.T. -0.01 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument : MSVOA_V
ClientSampleId : BFCM1

Tgt Ion:101 Resp: 1189

Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.3	55.9#
151	8.9	59.4	89.2#

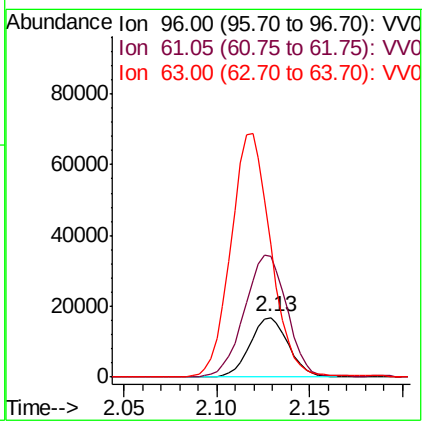


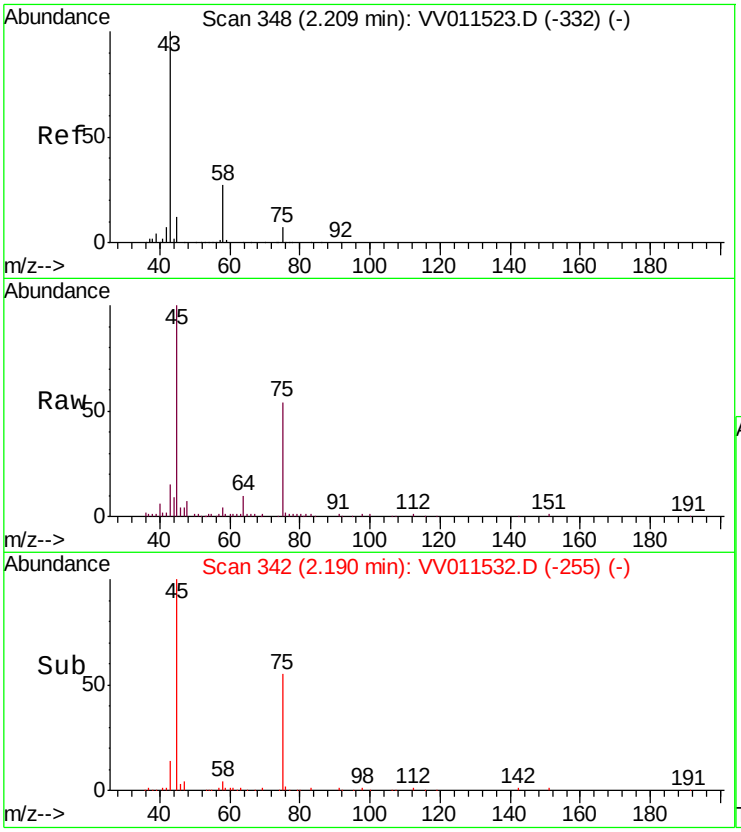


#12
1,1-Dichloroethene
Concen: 2.186 ug/L
RT: 2.13 min Scan# 323
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 96 Resp: 24112

Ion	Ratio	Lower	Upper
96	100		
61	202.7	135.9	252.5
63	222.5	86.2	160.2#



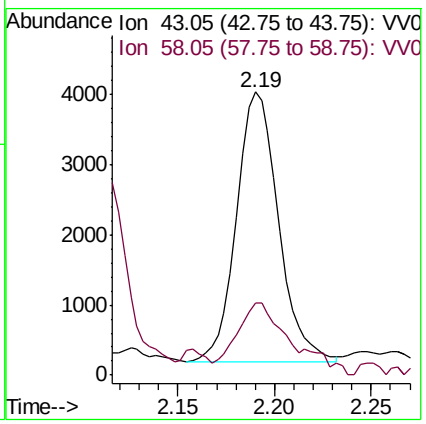


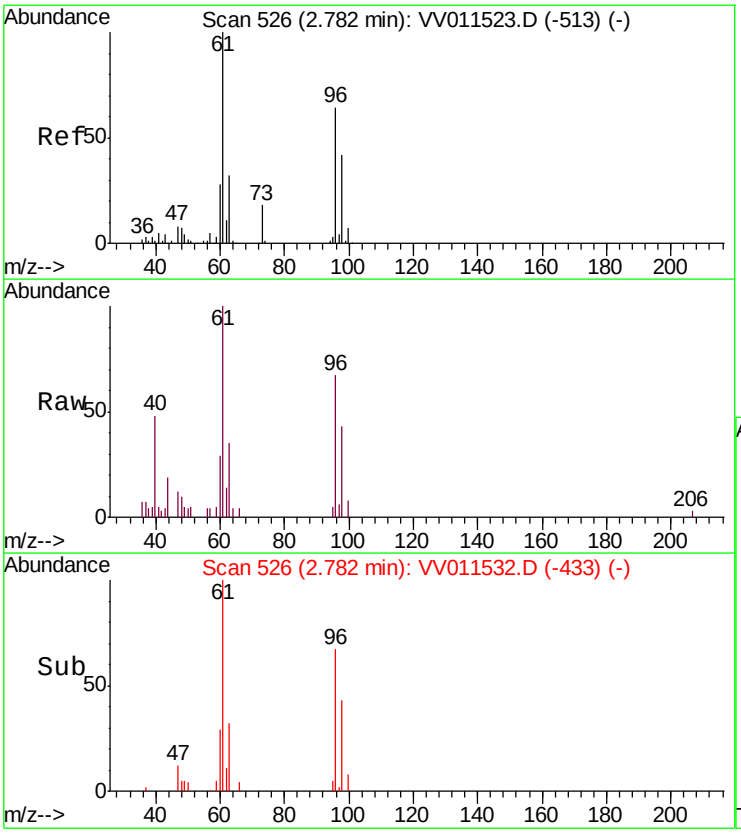
#13
Acetone
Concen: 2.294 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.02 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 43 Resp: 5825

Ion	Ratio	Lower	Upper
43	100		
58	35.1	0.0	57.8

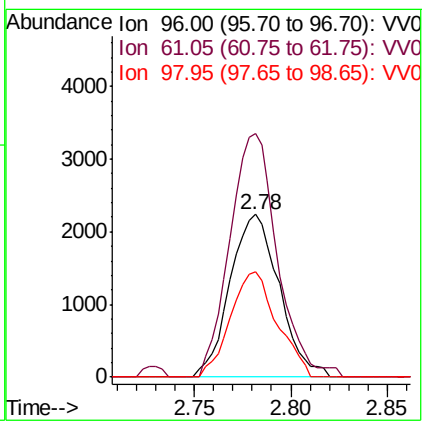


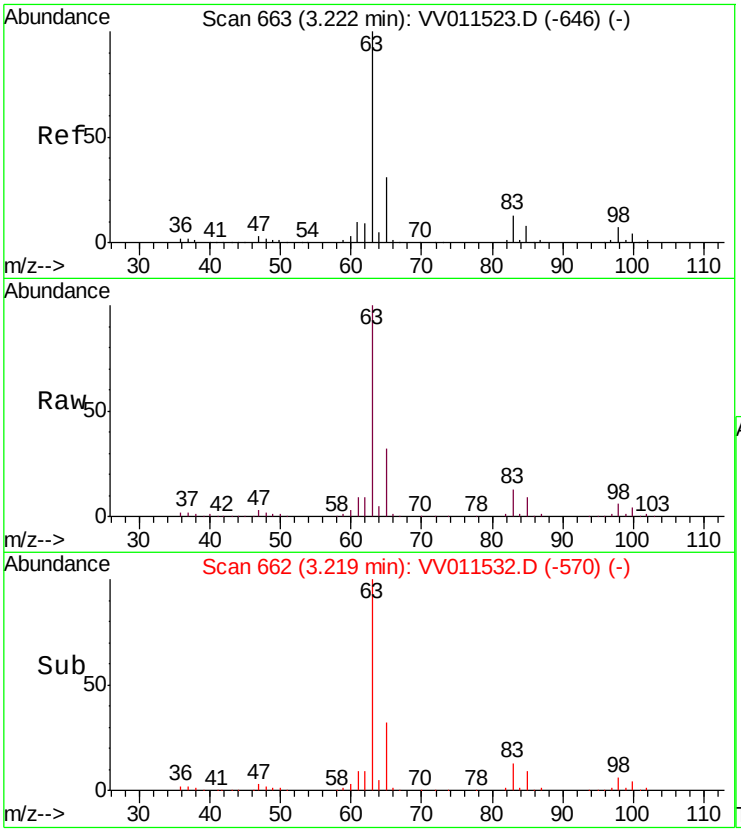


#18
trans-1,2-Dichloroethene
Concen: 0.317 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 96 Resp: 3952

Ion	Ratio	Lower	Upper
96	100		
61	149.6	110.0	204.4
98	64.6	45.8	85.0



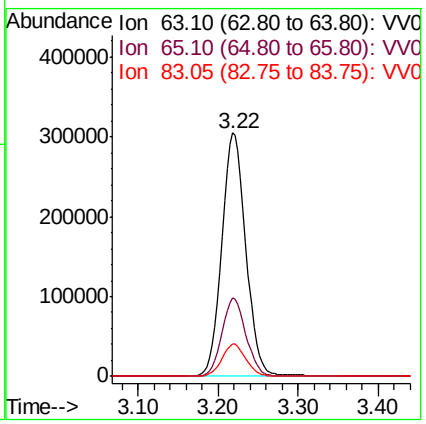


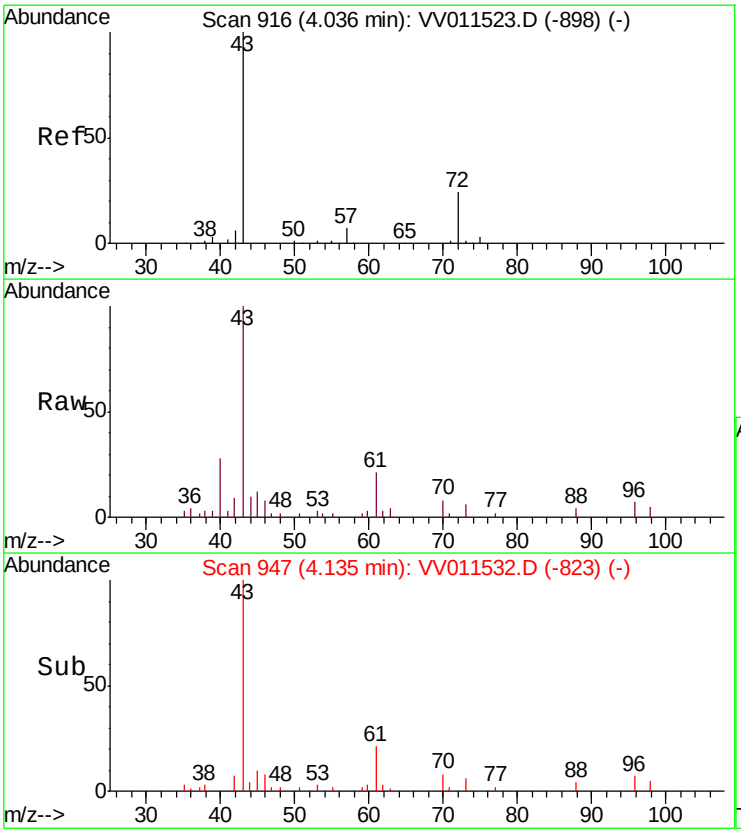
#19
1,1-Dichloroethane
Concen: 24.359 ug/L
RT: 3.22 min Scan# 662
Delta R.T. -0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument : MSVOA_V
ClientSampleId : BFCM1

Tgt Ion: 63 Resp: 628572

Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.5	41.9
83	13.2	10.1	18.9

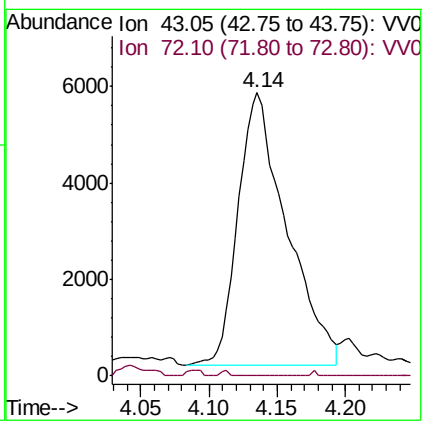


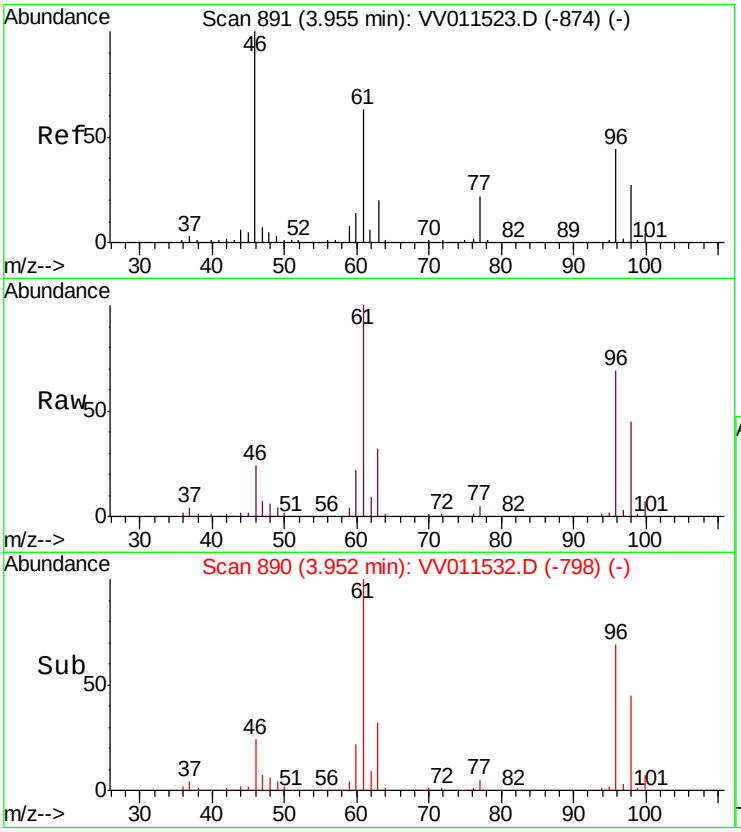


#21
2-Butanone
Concen: 3.480 ug/L
RT: 4.14 min Scan# 947
Delta R.T. 0.10 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 43 Resp: 13981

Ion	Ratio	Lower	Upper
43	100		
72	1.7	11.8	35.4#



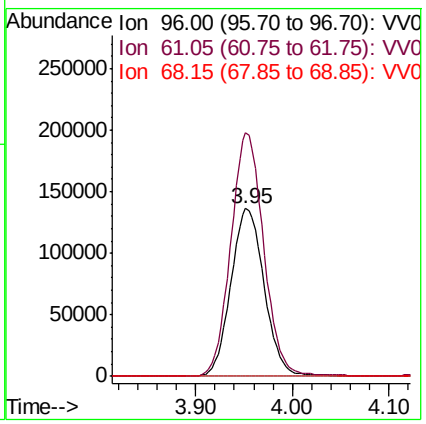


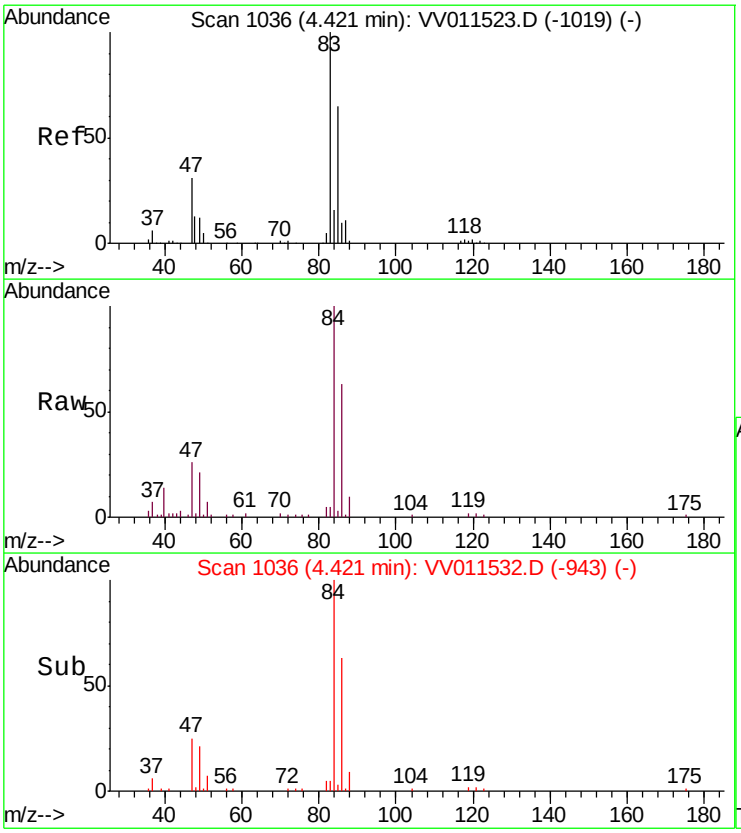
#22
cis-1,2-Dichloroethene
Concen: 23.076 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 96 Resp: 326092

Ion	Ratio	Lower	Upper
96	100		
61	145.2	102.2	189.8
68	0.0	0.0	0.0

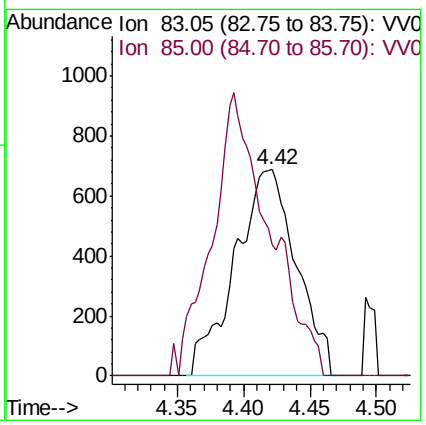


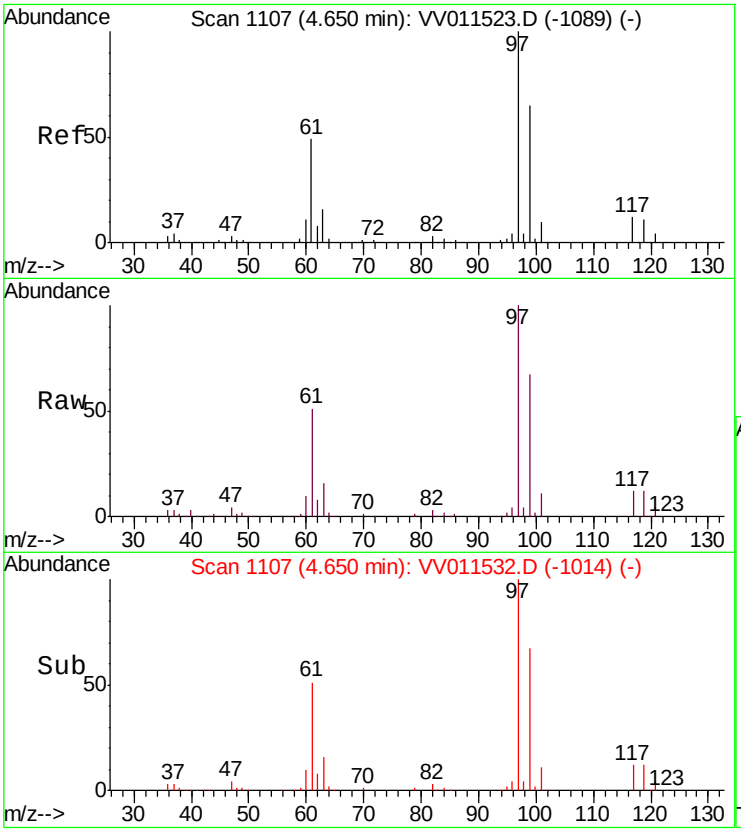


#25
Chloroform
Concen: 0.086 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 83 Resp: 2225

Ion	Ratio	Lower	Upper
83	100		
85	63.8	44.6	82.8



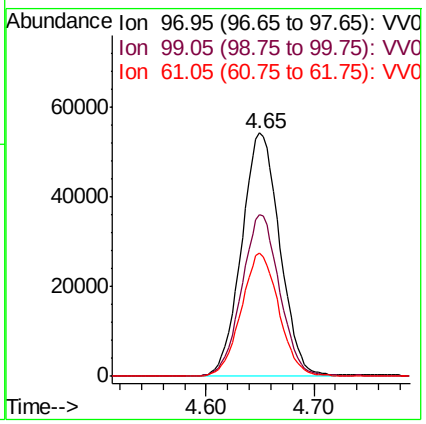


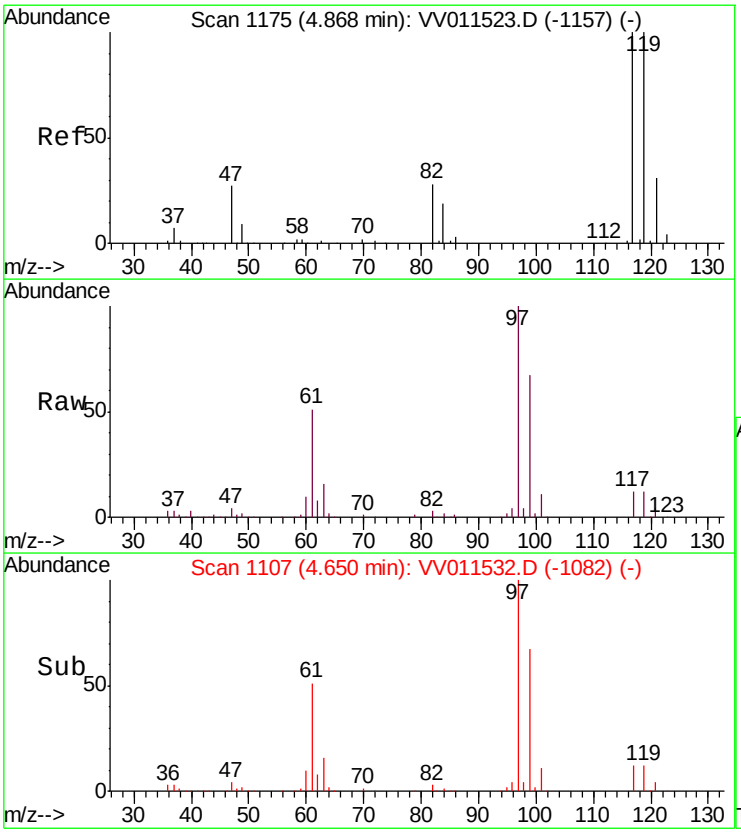
#29
1,1,1-Trichloroethane
Concen: 6.285 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 97 Resp: 133538

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.6	77.4
61	49.8	40.4	60.6

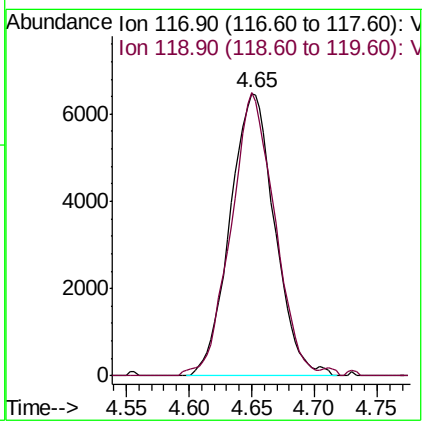


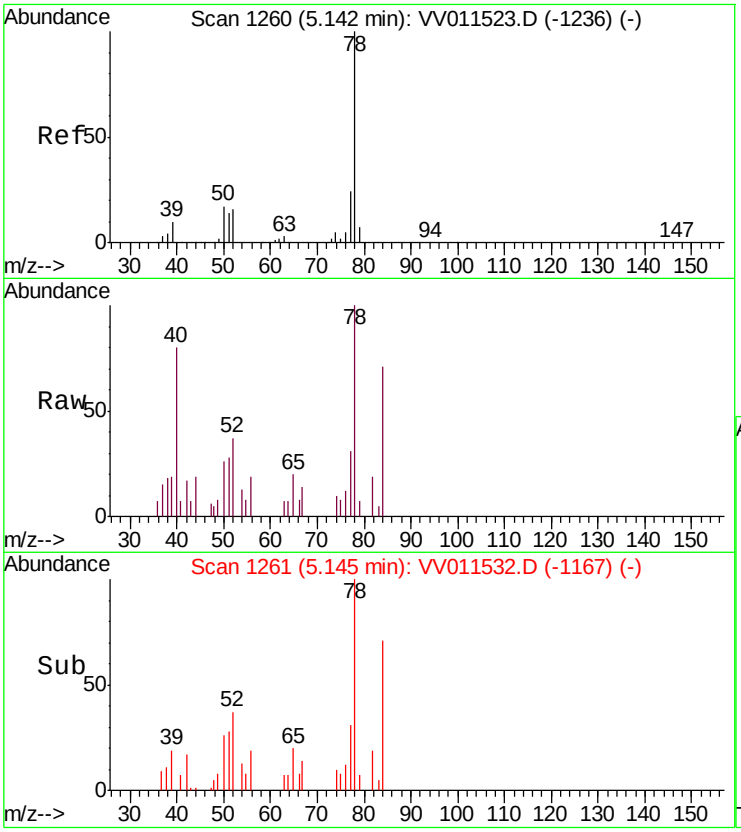


#31
Carbon tetrachloride
Concen: 0.932 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.22 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion:117 Resp: 16029

Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.4	116.2

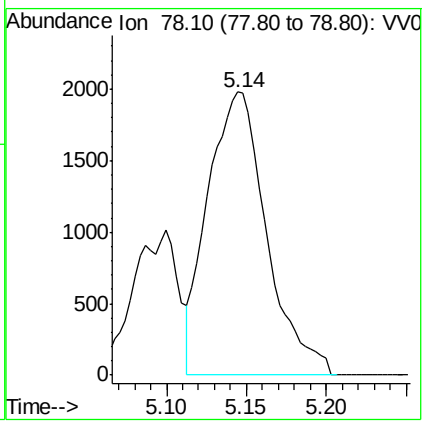


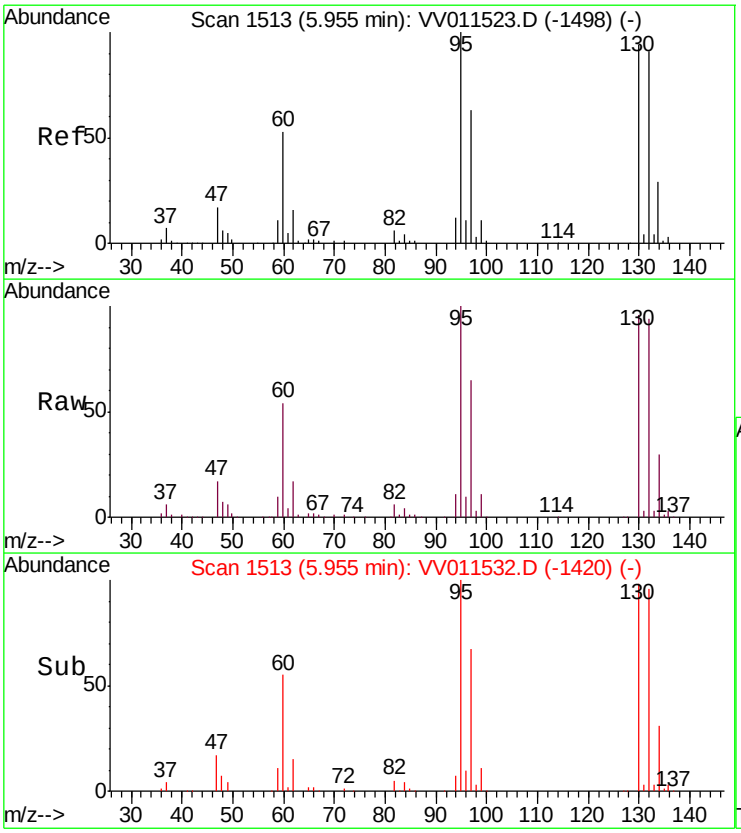


#33
Benzene
Concen: 0.090 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 78 Resp: 5009

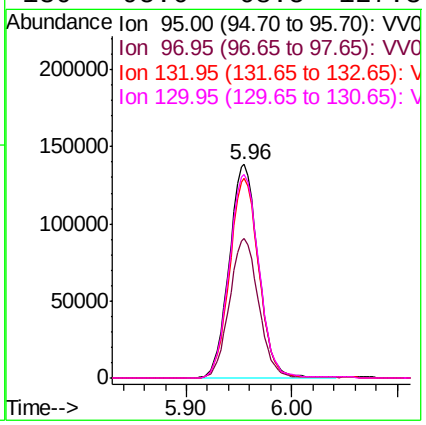


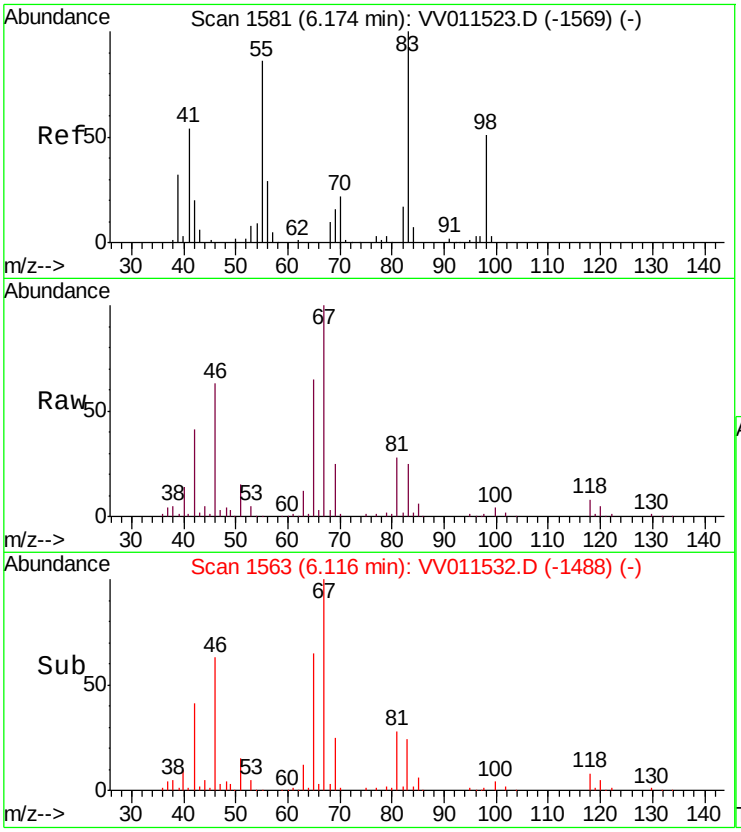


#34
Trichloroethene
Concen: 18.680 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 95 Resp: 265694

Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.4	82.4
132	93.8	63.5	117.9
130	95.6	68.5	127.3



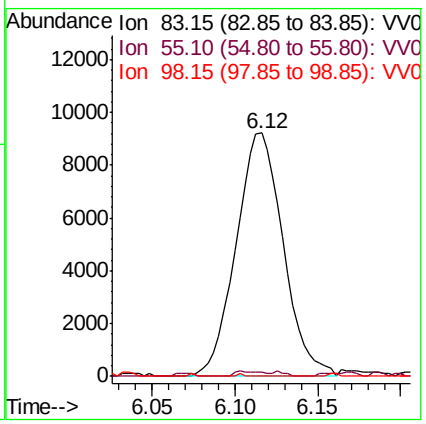


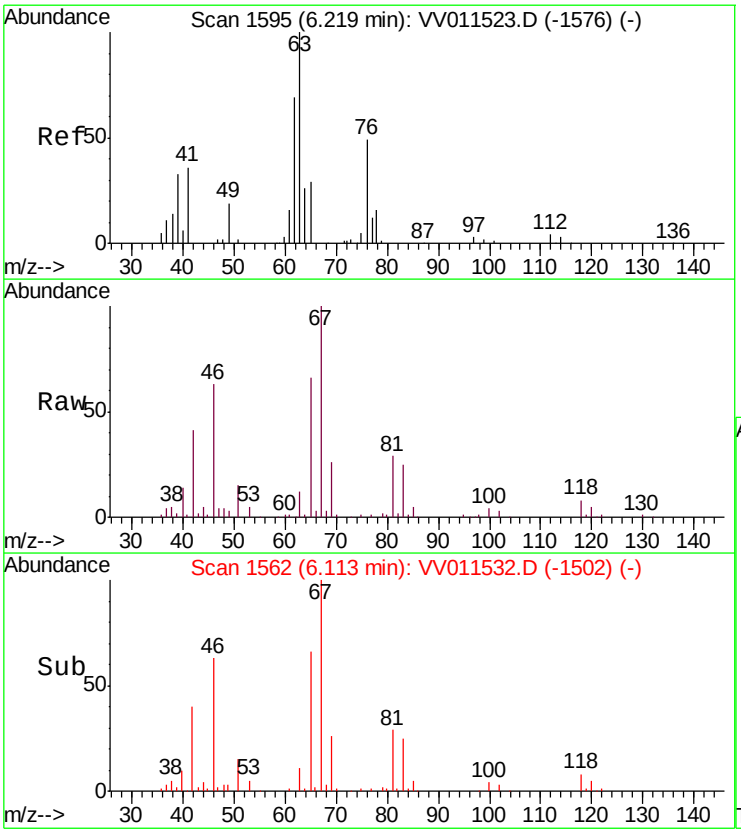
#35
Methylcyclohexane
Concen: 0.899 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 83 Resp: 18234

Ion	Ratio	Lower	Upper
83	100		
55	0.5	67.9	101.9#
98	0.0	39.6	59.4#

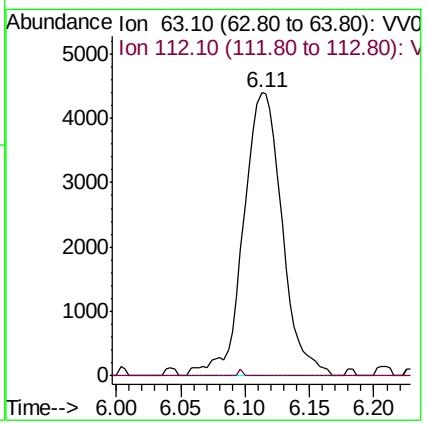


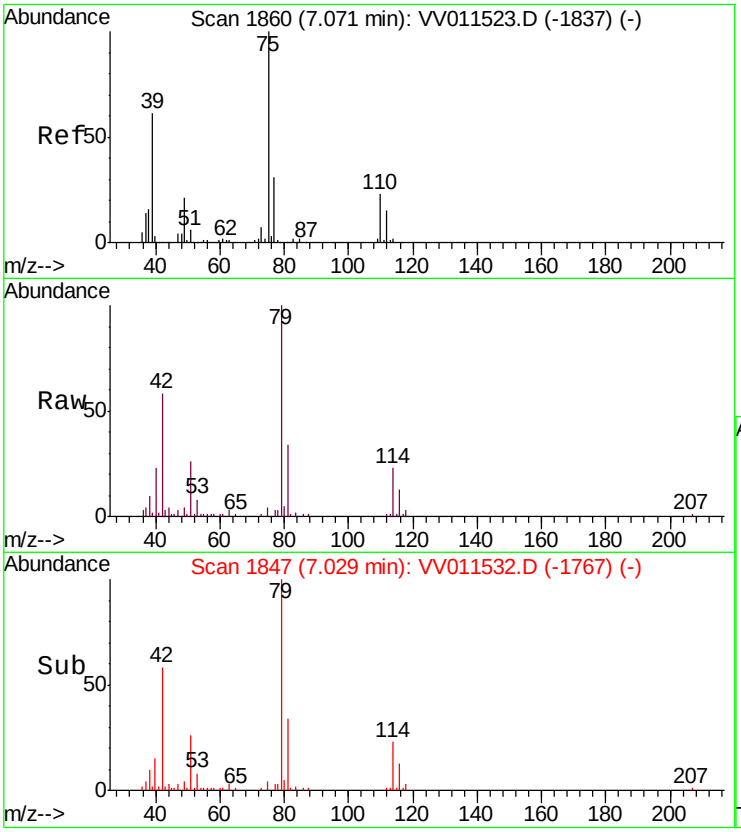


#37
1,2-Dichloropropane
Concen: 0.619 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 63 Resp: 9193

Ion	Ratio	Lower	Upper
63	100		
112	0.2	3.7	5.5#



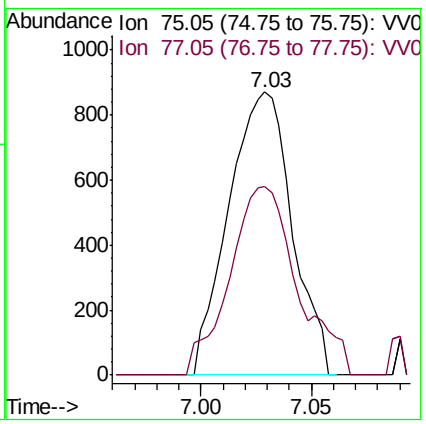


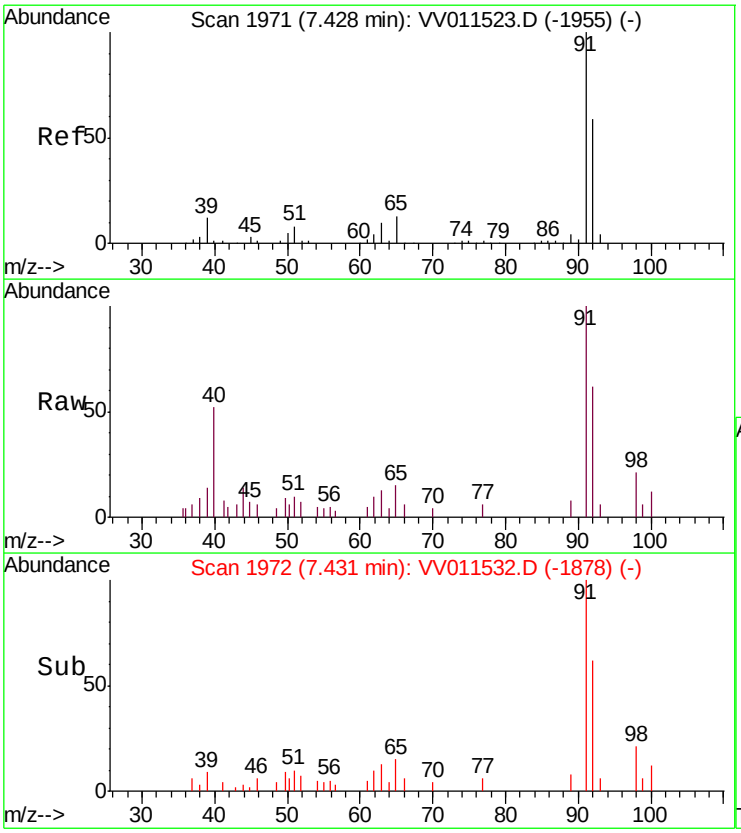
#39
cis-1,3-Dichloropropene
Concen: 0.093 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion: 75 Resp: 1743

Ion	Ratio	Lower	Upper
75	100		
77	66.8	20.6	38.4#

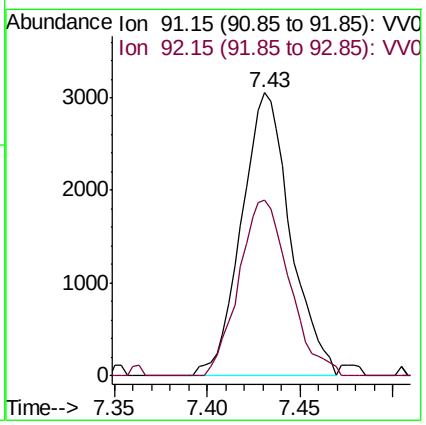


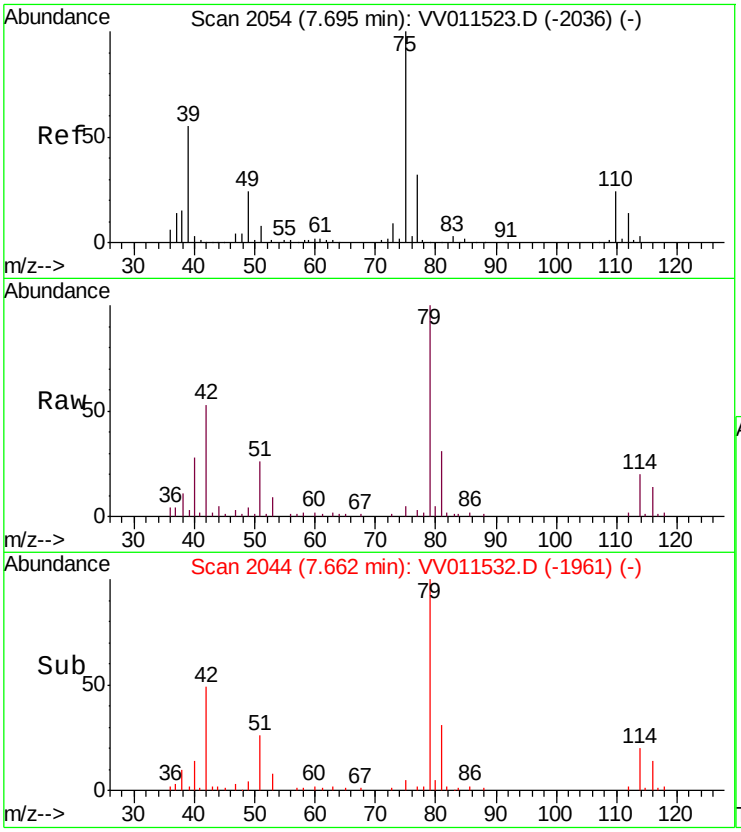


#42
Toluene
Concen: 0.097 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion: 91 Resp: 5616

Ion	Ratio	Lower	Upper
91	100		
92	61.9	40.5	75.1



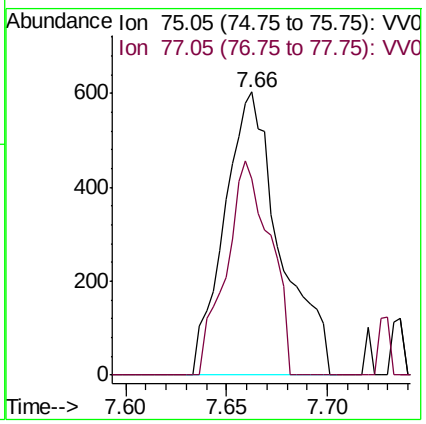


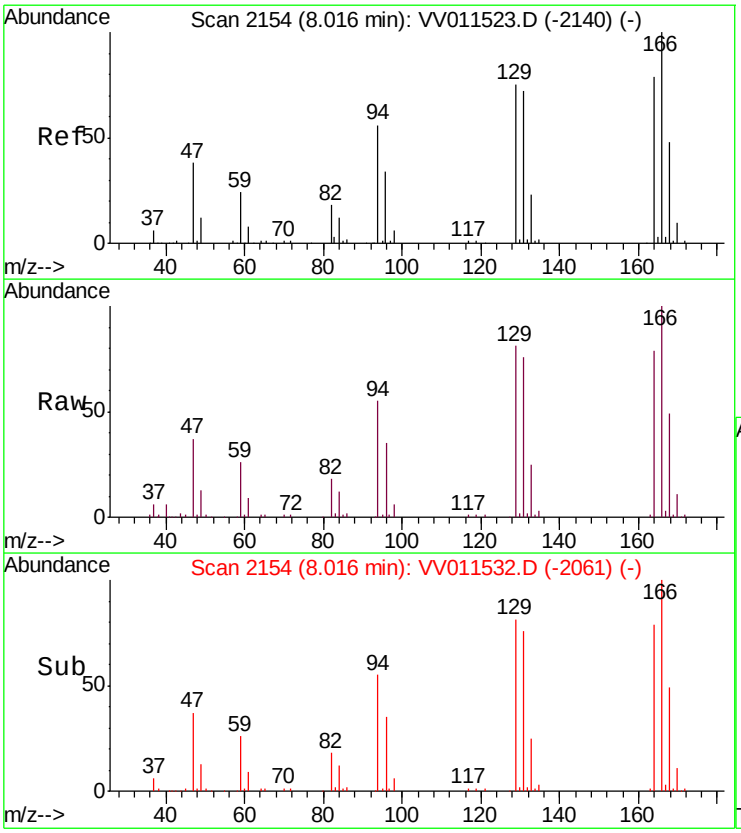
#44
trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument : MSVOA_V
ClientSampleId : BFCM1

Tgt Ion: 75 Resp: 1167

Ion	Ratio	Lower	Upper
75	100		
77	69.5	22.8	42.4#

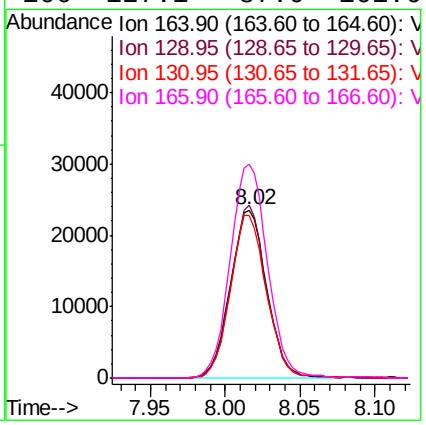


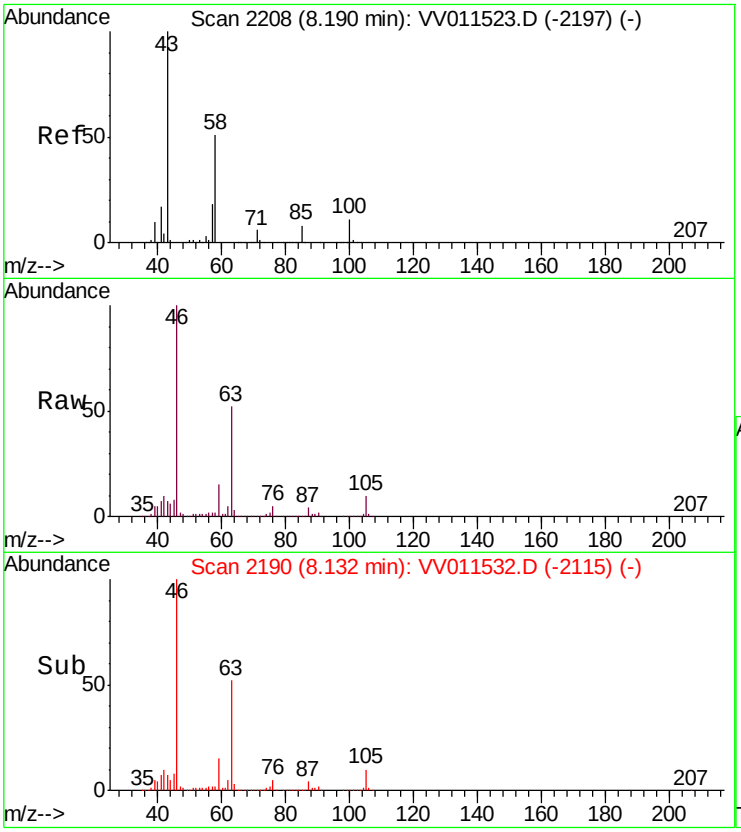


#47
Tetrachloroethene
Concen: 3.922 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion:164 Resp: 39784

Ion	Ratio	Lower	Upper
164	100		
129	103.1	68.8	127.8
131	96.6	63.2	117.4
166	127.1	87.0	161.6



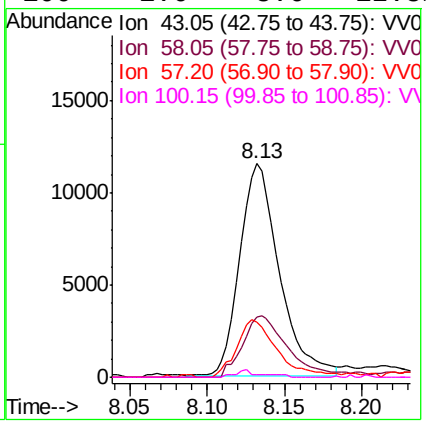


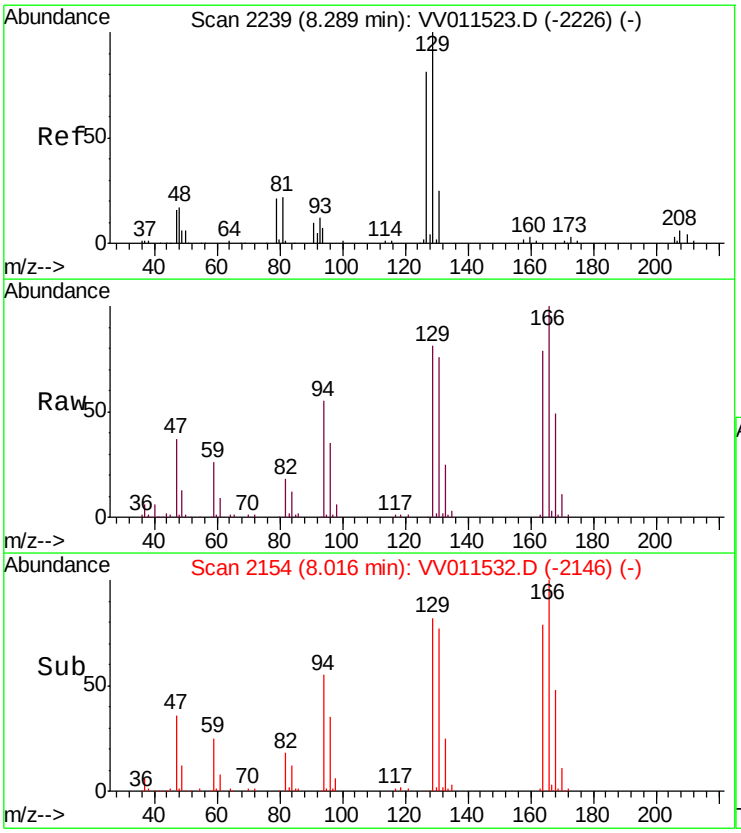
#48
2-Hexanone
Concen: 2.729 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.06 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument : MSVOA_V
ClientSampleId : BFCM1

Tgt Ion: 43 Resp: 20304

Ion	Ratio	Lower	Upper
43	100		
58	34.3	40.6	60.8#
57	28.1	14.2	21.4#
100	1.6	8.6	12.8#

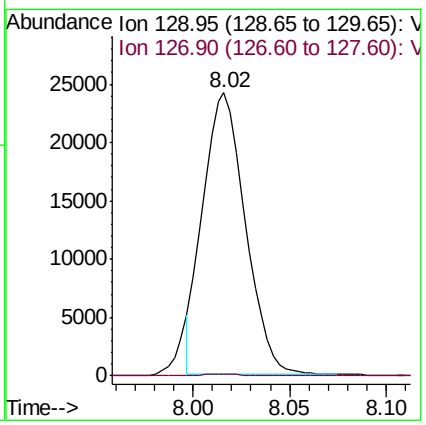


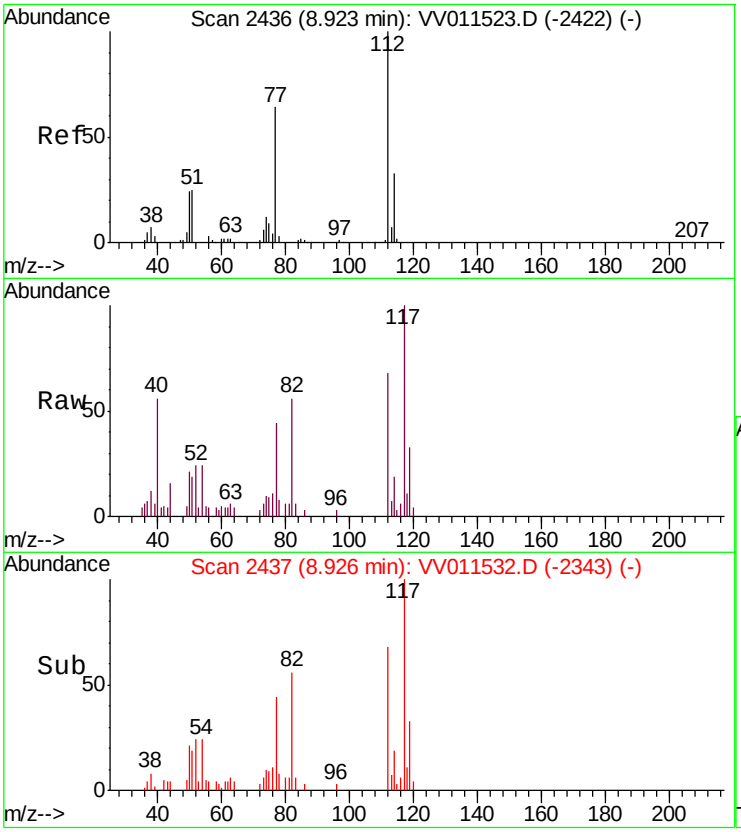


#49
Dibromochloromethane
Concen: 3.705 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Tgt Ion:129 Resp: 36893

Ion	Ratio	Lower	Upper
129	100		
127	0.4	52.6	97.6#





#51
Chlorobenzene
Concen: 0.110 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011532.D
Acq: 15 Jun 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM1

Tgt Ion:112 Resp: 3911

Ion	Ratio	Lower	Upper
112	100		
114	27.4	21.9	40.7
77	63.9	49.3	73.9