

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 :
BFD6

Quant Time: Dec 17 05:48:42 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
8) Chloroethane	1.32	64	37638	2.577 ug/L #	50
9) Trichlorofluoromethane	1.77	101	79303	2.107 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2939	0.131 ug/L #	65
12) 1,1-Dichloroethene	2.14	96	42451	2.176 ug/L	83
14) Carbon disulfide	2.32	76	8470	0.188 ug/L	98
15) Methyl Acetate	2.46	43	3140	0.384 ug/L #	55
16) Methylene chloride	2.53	84	3145	0.118 ug/L	83
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
25) Chloroform	4.42	83	11586	0.249 ug/L	92
27) 1,2-Dichloroethane	5.09	62	2037	0.076 ug/L	100
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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\
Quantitation Report (Not Reviewed)

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

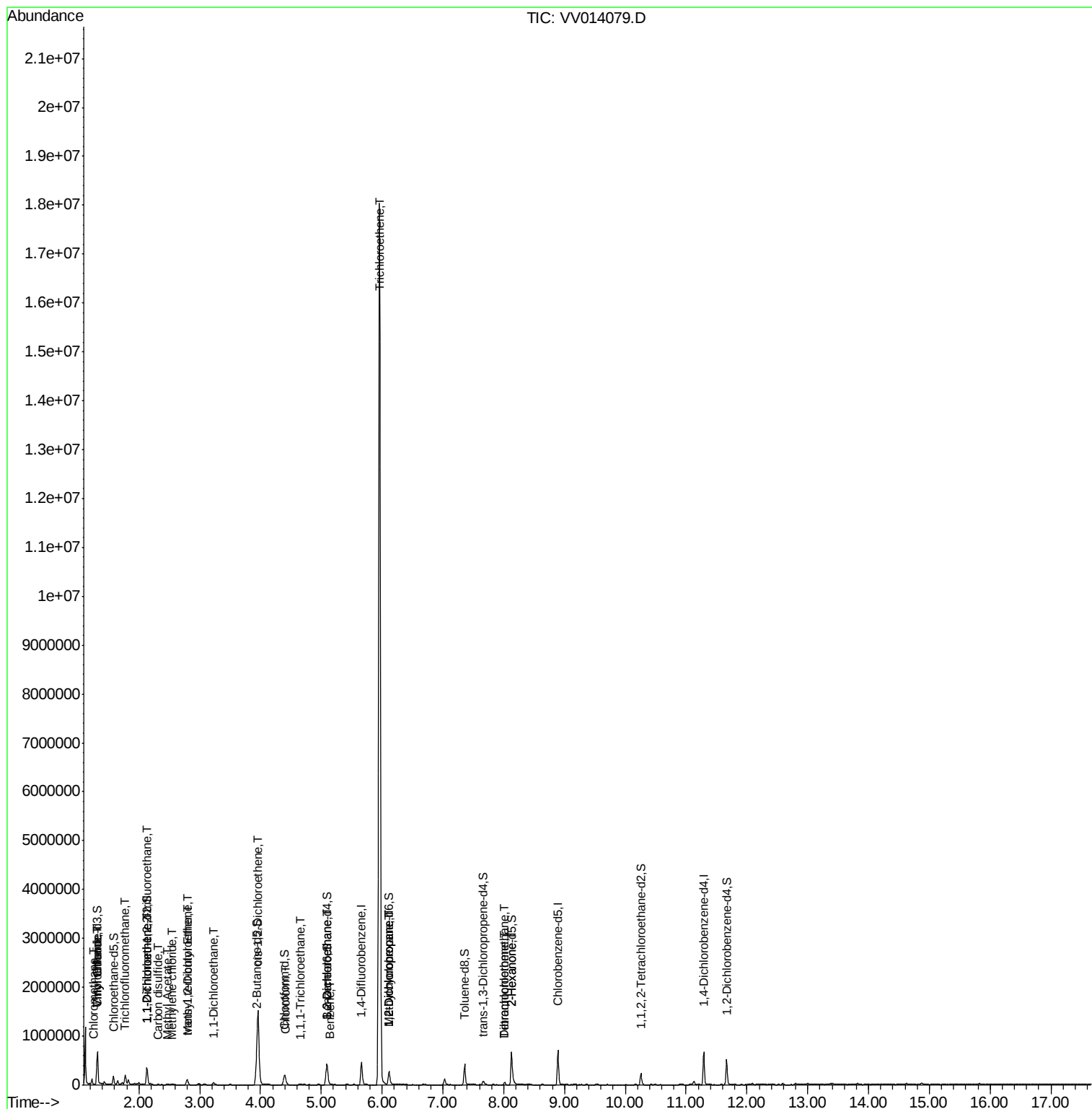
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Trichloroethene	5.96	95	6074923	227.393	ug/L	98
35) Methylcyclohexane	6.11	83	31126	0.873	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	12505	0.502	ug/L #	86
47) Tetrachloroethene	8.02	164	13456	0.580	ug/L	96
48) 2-Hexanone	8.13	43	29351	2.831	ug/L #	79
49) Dibromochloromethane	8.01	129	10595	0.466	ug/L #	10

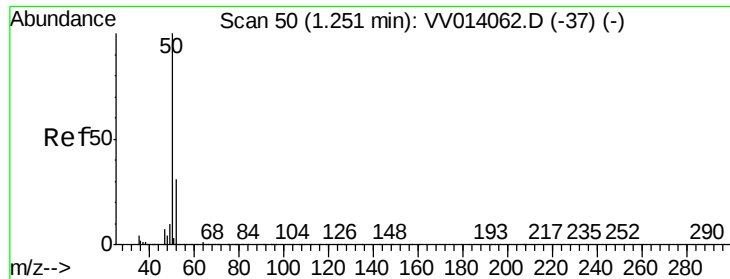
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Instrument :

MSVOA_V

ClientSampleId :

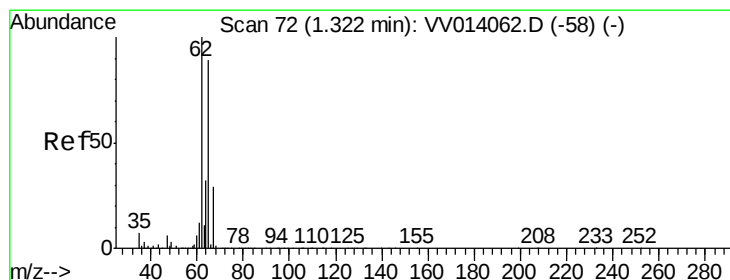
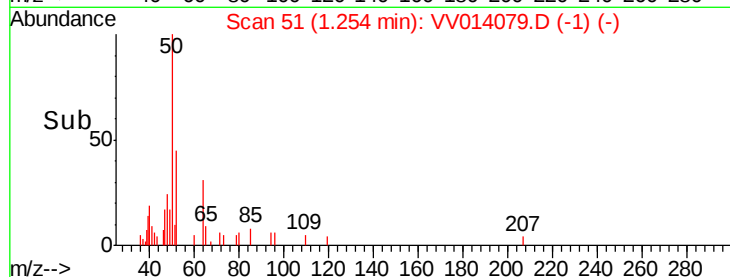
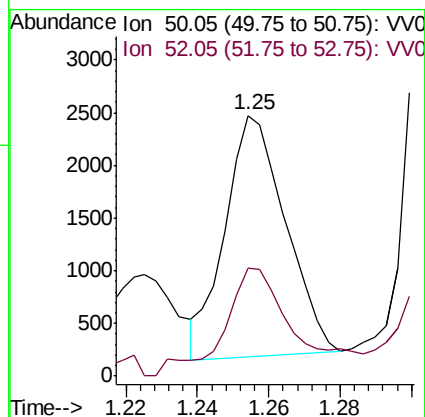
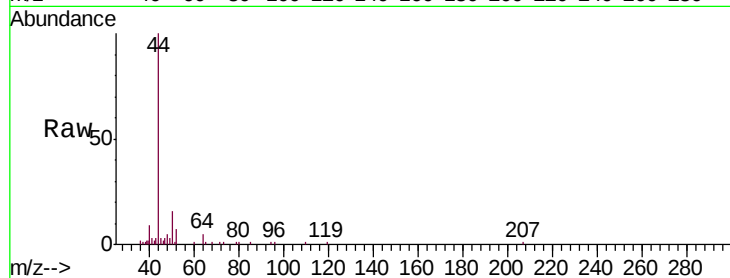
BFD6

Tgt Ion: 50 Resp: 2686

Ion Ratio Lower Upper

50 100

52 41.5 22.5 41.7



#5

Vinyl chloride

Concen: 4.626 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014079.D

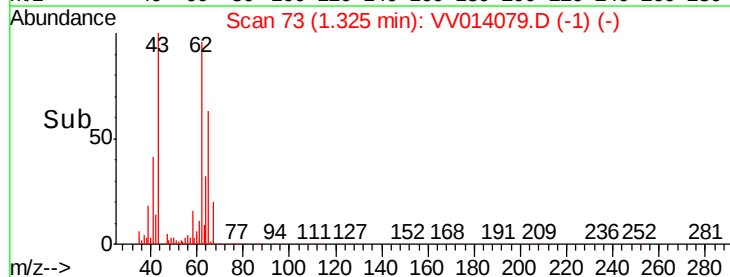
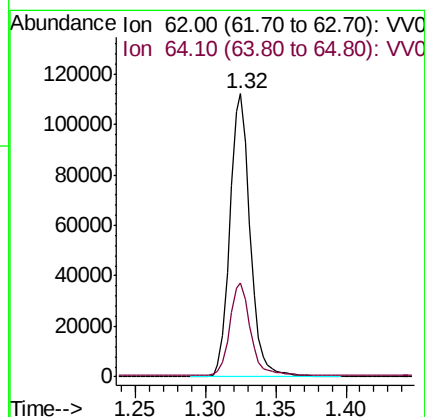
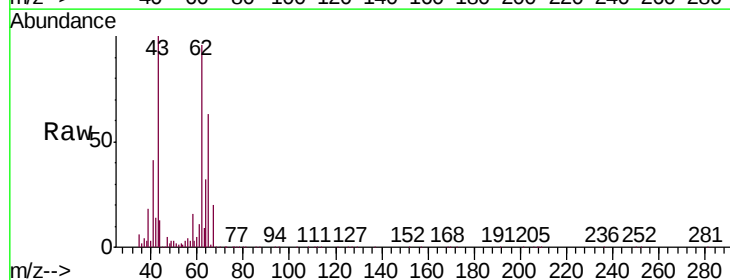
Acq: 16 Dec 2019 17:59

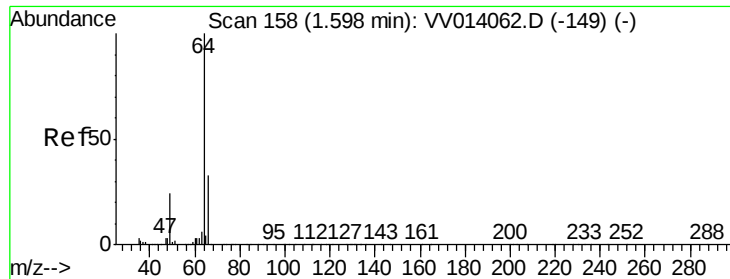
Tgt Ion: 62 Resp: 112126

Ion Ratio Lower Upper

62 100

64 33.4 23.3 43.3





#8

Chloroethane

Concen: 2.577 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.27 min

Lab File: VV014079.D

Acq: 16 Dec 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

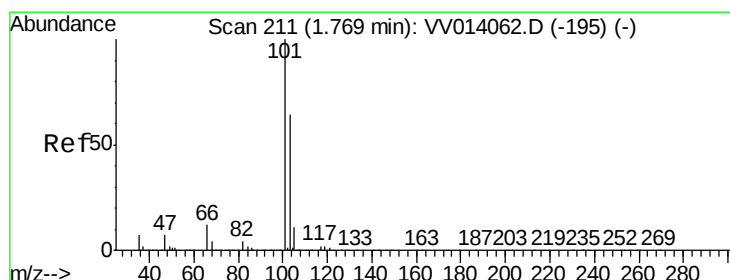
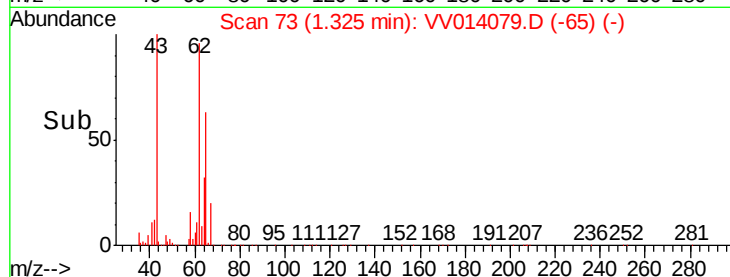
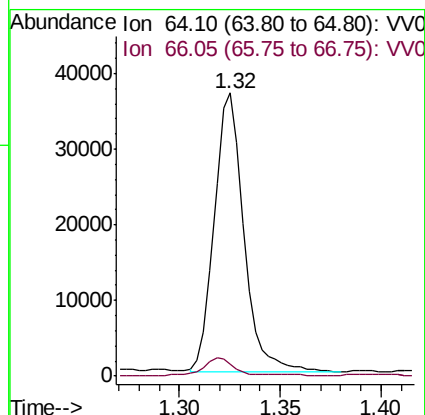
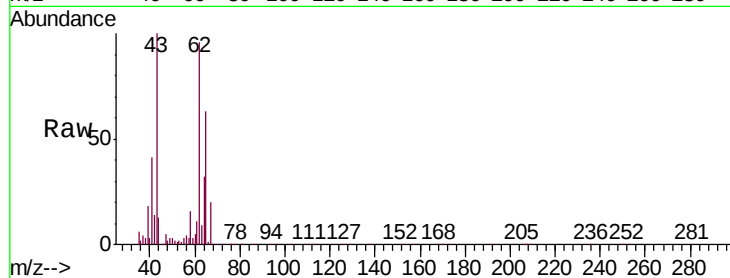
BFDT6

Tgt Ion: 64 Resp: 37638

Ion Ratio Lower Upper

64 100

66 4.4 22.6 42.0#



#9

Trichlorofluoromethane

Concen: 2.107 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014079.D

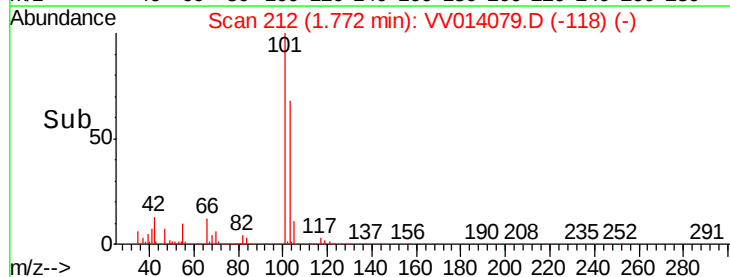
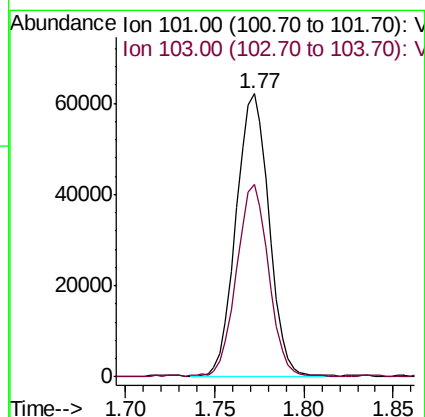
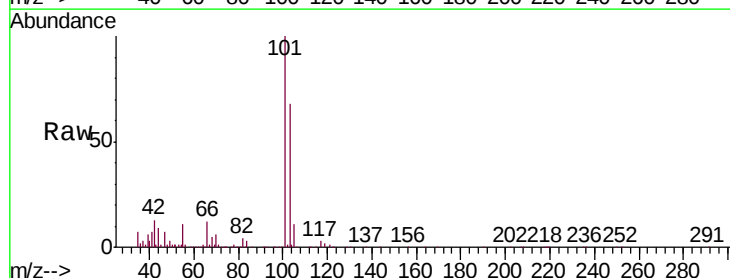
Acq: 16 Dec 2019 17:59

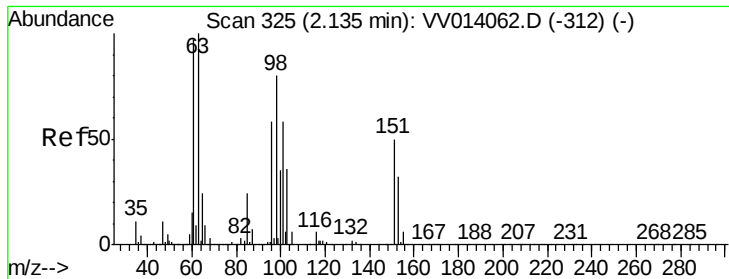
Tgt Ion: 101 Resp: 79303

Ion Ratio Lower Upper

101 100

103 66.4 52.9 79.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.131 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV014079.D

Acq: 16 Dec 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

BFD6

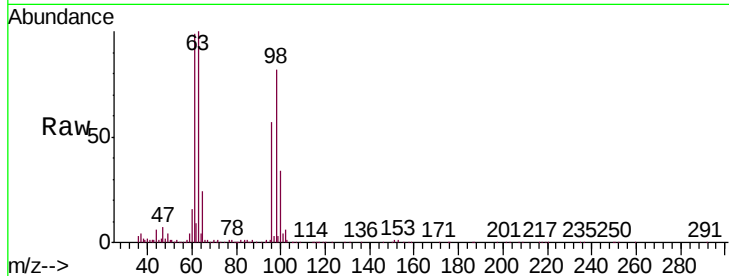
Tgt Ion: 101 Resp: 2939

Ion Ratio Lower Upper

101 100

85 30.7 33.4 50.0#

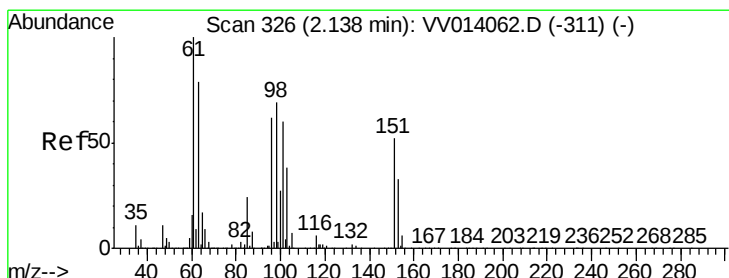
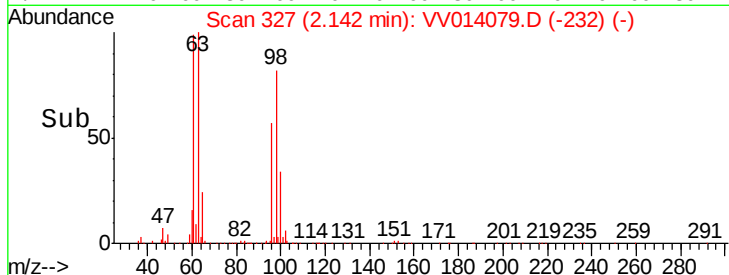
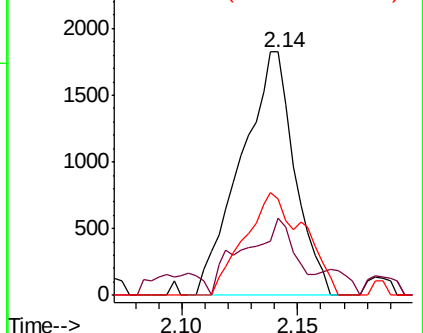
151 46.6 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#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

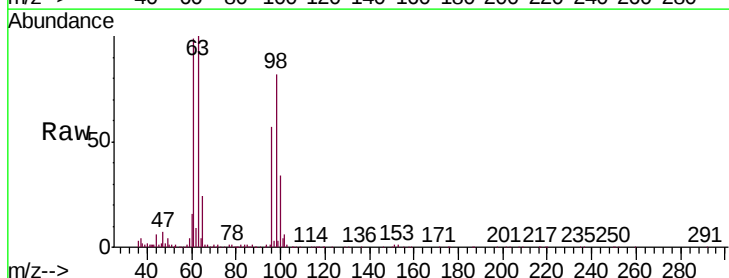
Tgt Ion: 96 Resp: 42451

Ion Ratio Lower Upper

96 100

61 173.6 116.3 215.9

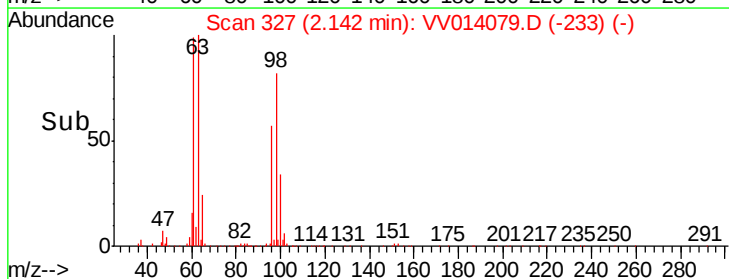
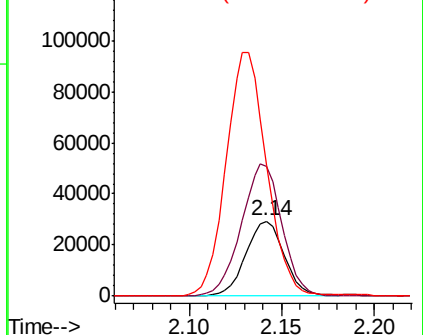
63 175.5 96.7 179.7

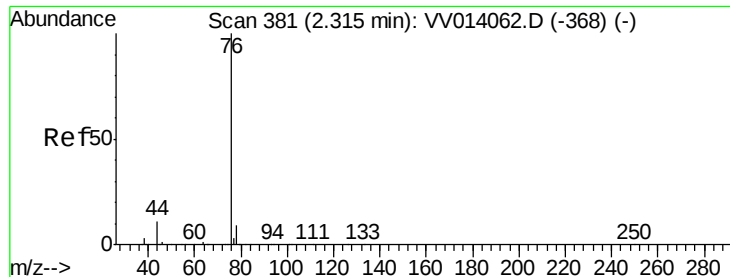


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#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

Instrument :

MSVOA_V

ClientSampleId :

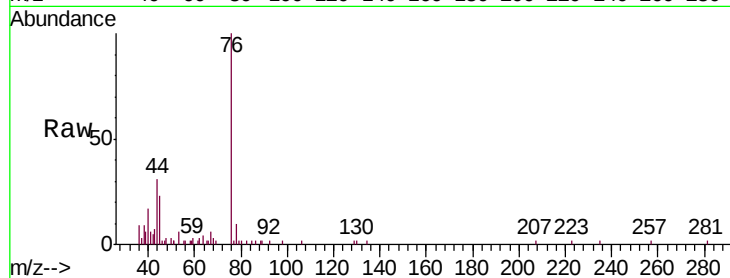
BFDT6

Tgt Ion: 76 Resp: 8470

Ion Ratio Lower Upper

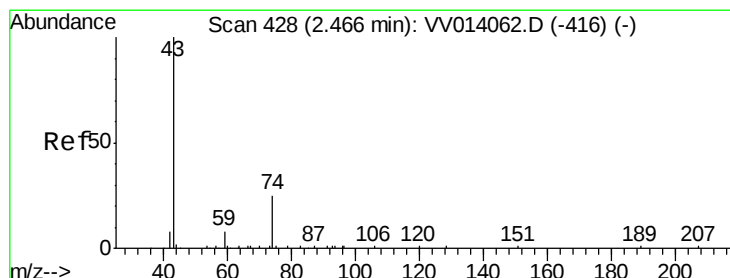
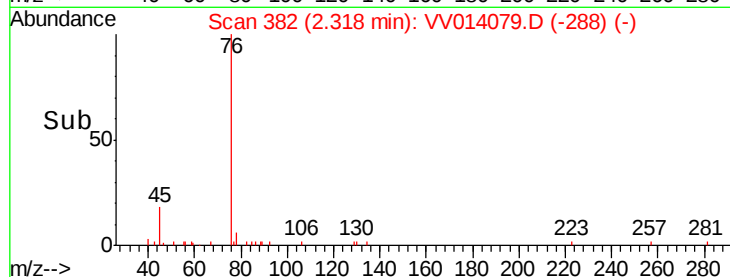
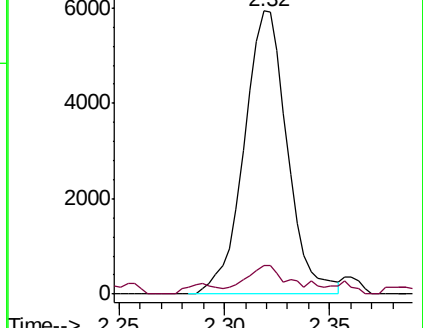
76 100

78 10.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.384 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV014079.D

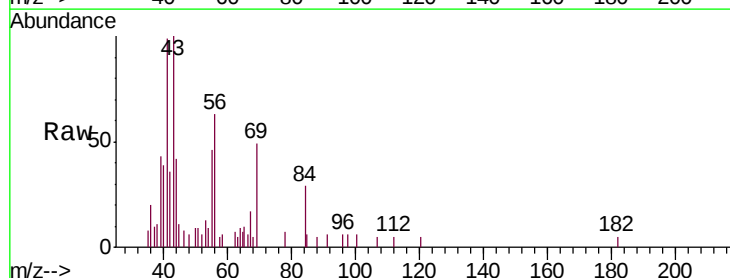
Acq: 16 Dec 2019 17:59

Tgt Ion: 43 Resp: 3140

Ion Ratio Lower Upper

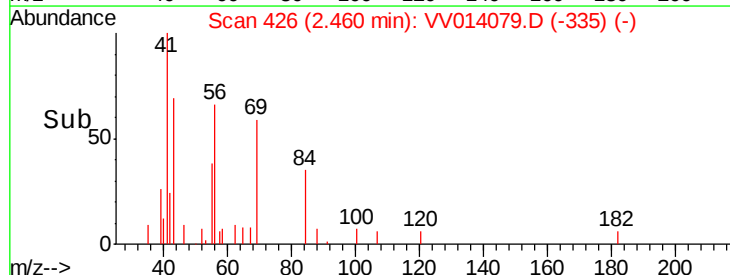
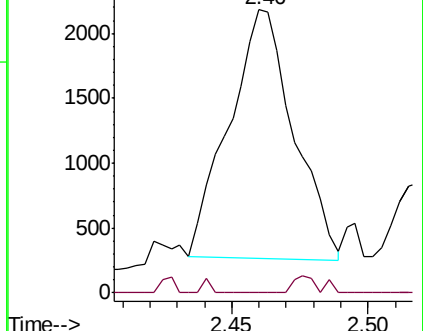
43 100

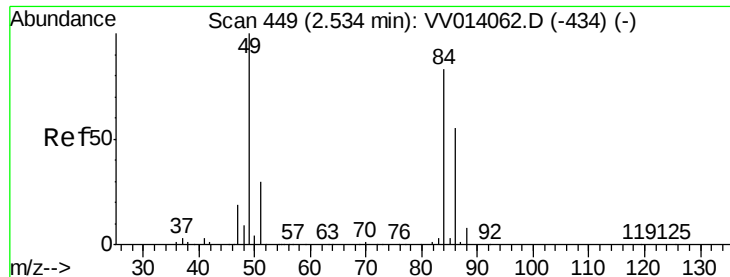
74 2.8 20.5 30.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

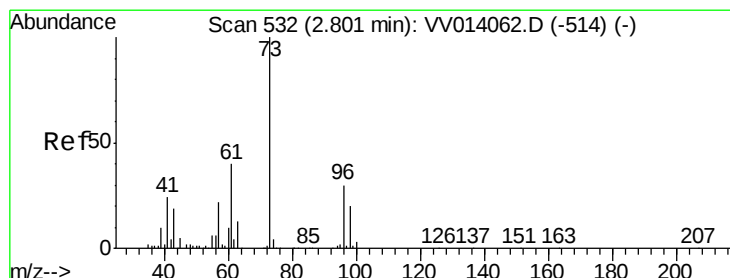
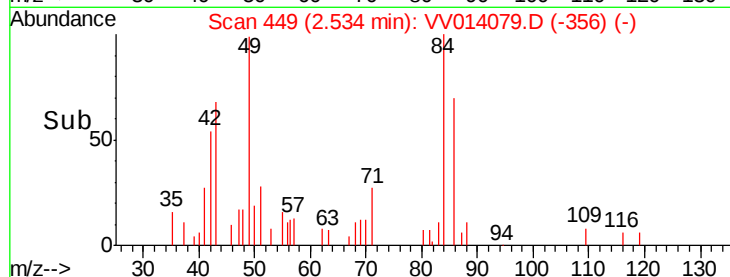
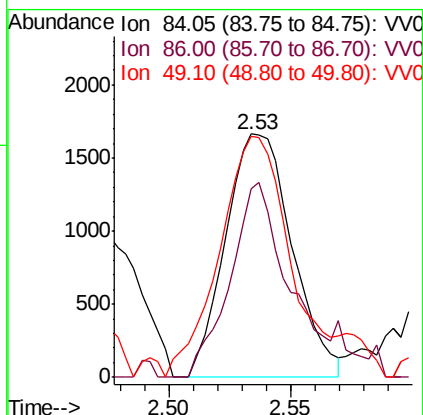
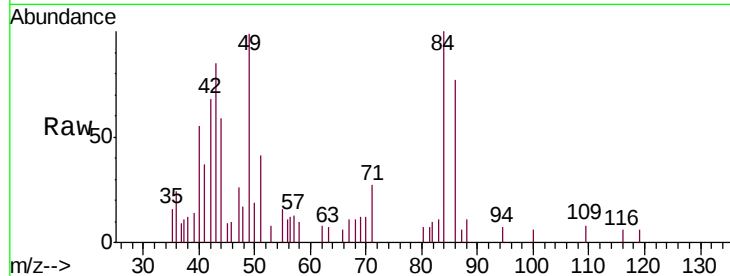




#16
Methylene chloride
Concen: 0.118 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

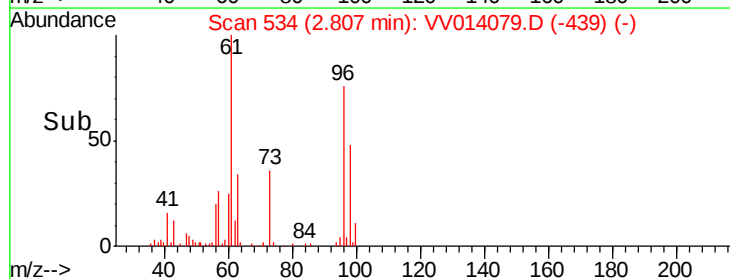
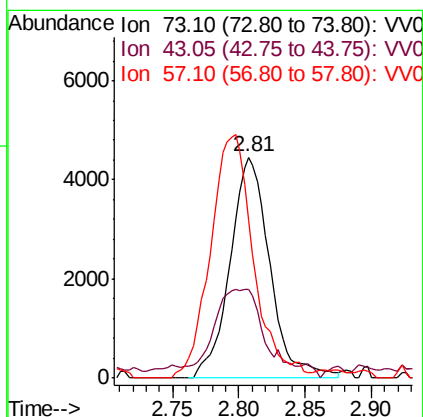
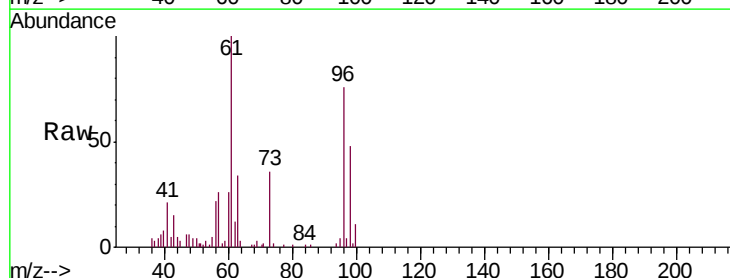
Instrument :
MSVOA_V
ClientSampled :
BFDT6

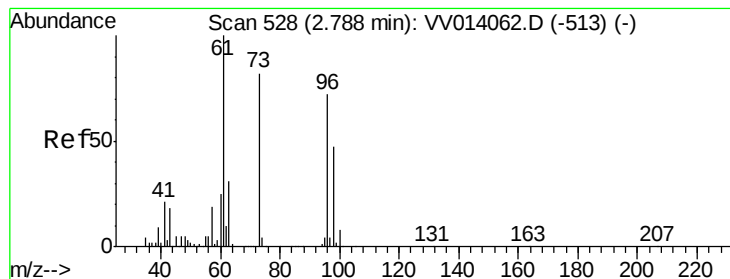
Tgt Ion: 84 Resp: 3145
Ion Ratio Lower Upper
84 100
86 77.3 44.0 81.6
49 99.2 81.5 151.5



#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#





#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

Instrument :

MSVOA_V

ClientSampleId :

BFD6

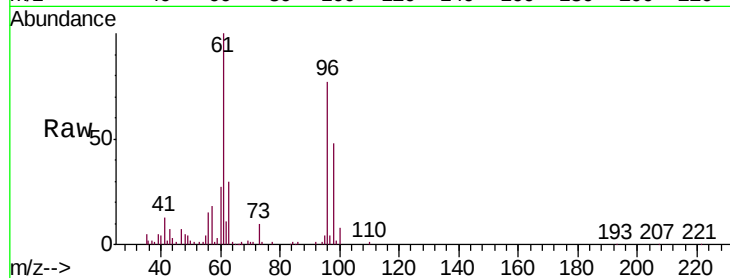
Tgt Ion: 96 Resp: 35617

Ion Ratio Lower Upper

96 100

61 129.8 95.1 176.7

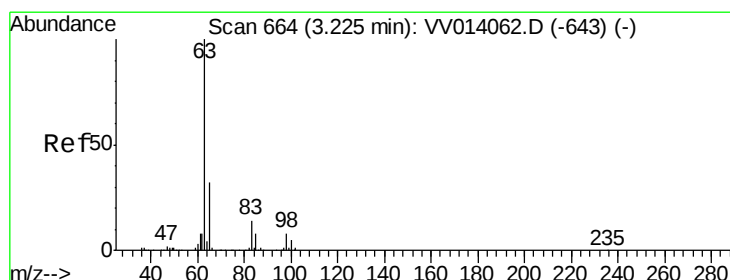
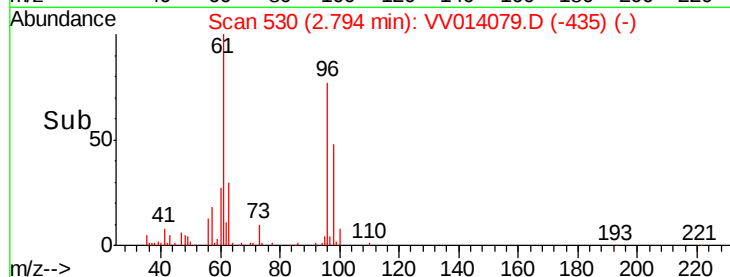
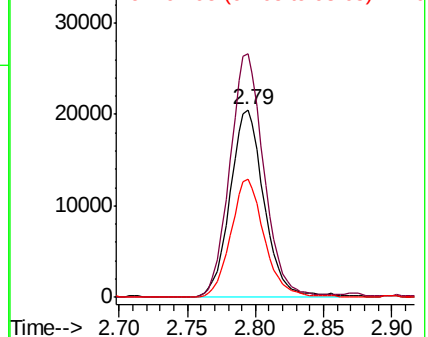
98 62.7 46.5 86.3



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#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

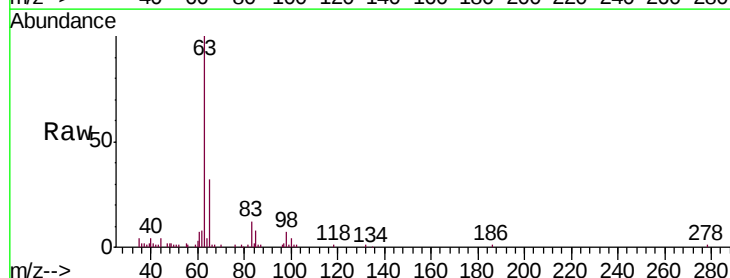
Tgt Ion: 63 Resp: 41282

Ion Ratio Lower Upper

63 100

65 32.3 22.7 42.1

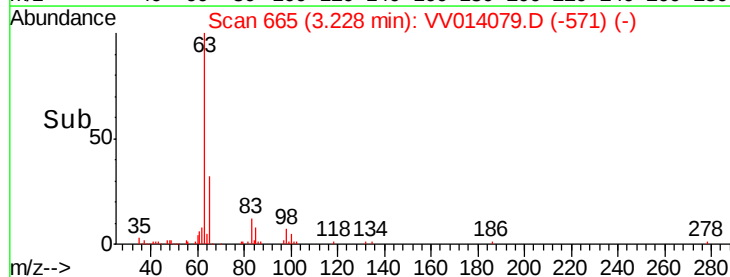
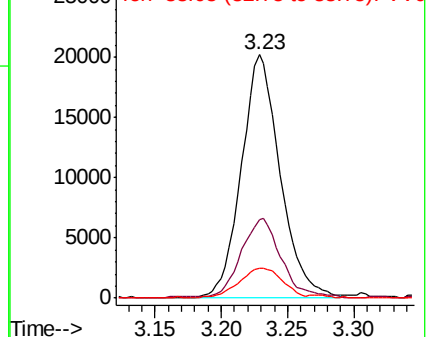
83 12.3 9.2 17.2

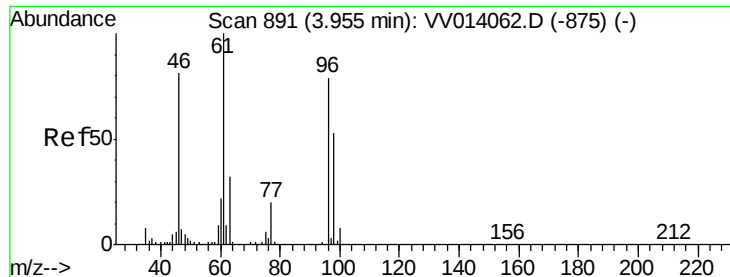


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



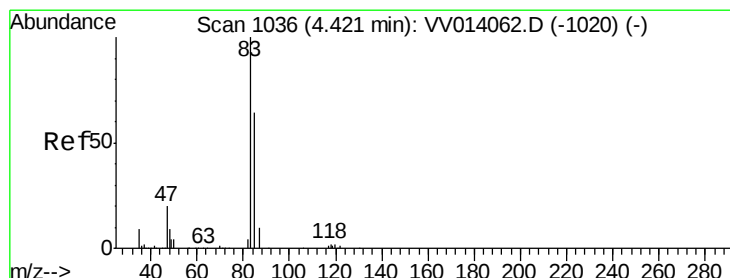
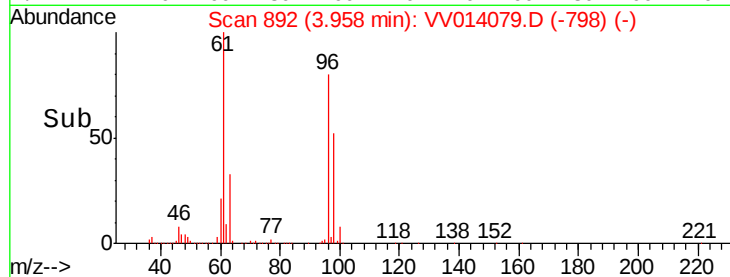
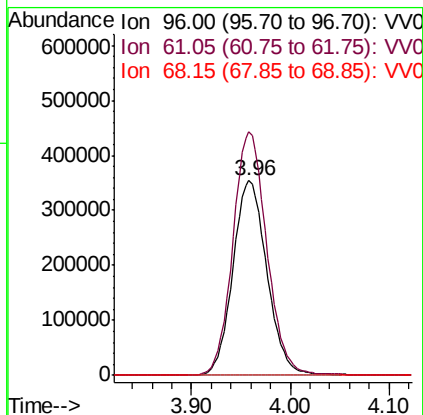
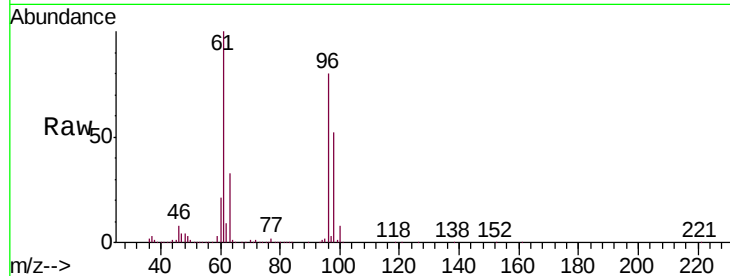


#22

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

Instrument :
MSVOA_V
ClientSampleId :
BFDT6

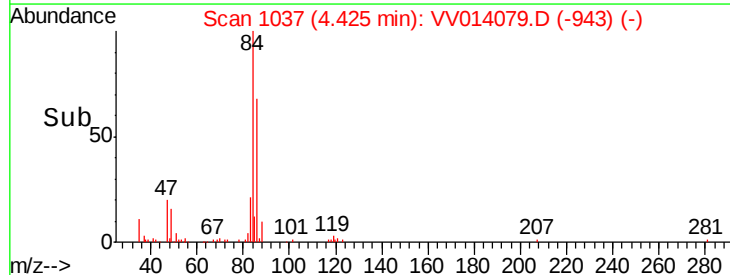
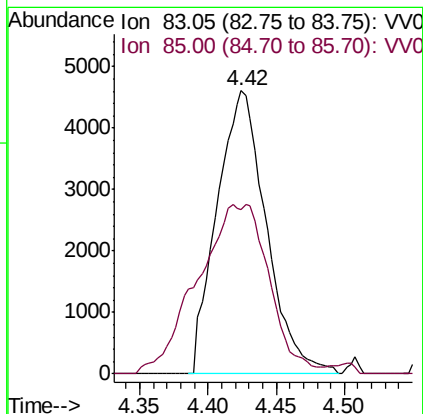
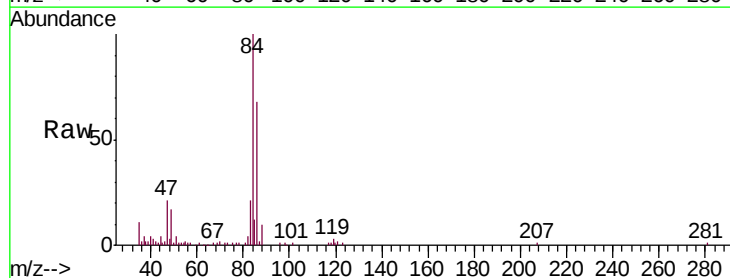
Tgt Ion: 96 Resp: 850271
Ion Ratio Lower Upper
96 100
61 124.9 86.1 159.9
68 0.0 0.0 0.0#

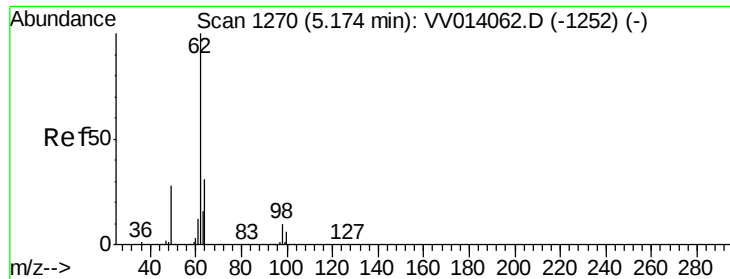


#25

Chloroform
Concen: 0.249 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 83 Resp: 11586
Ion Ratio Lower Upper
83 100
85 58.1 45.1 83.7

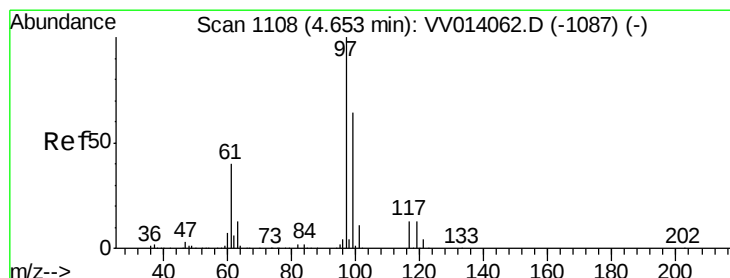
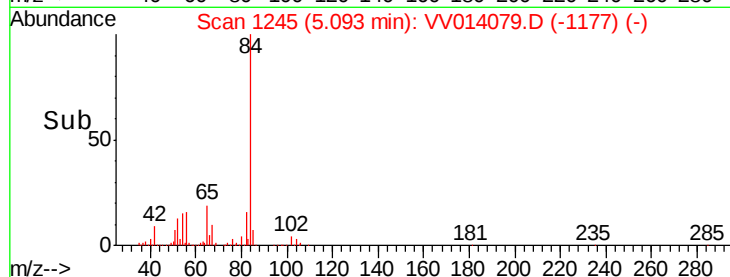
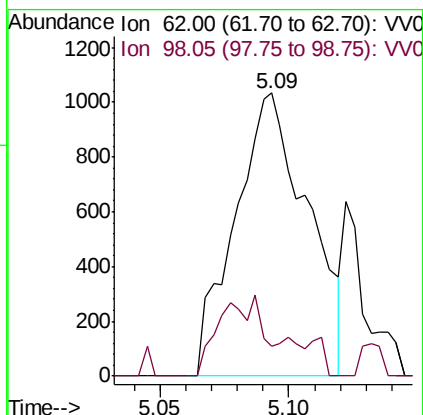
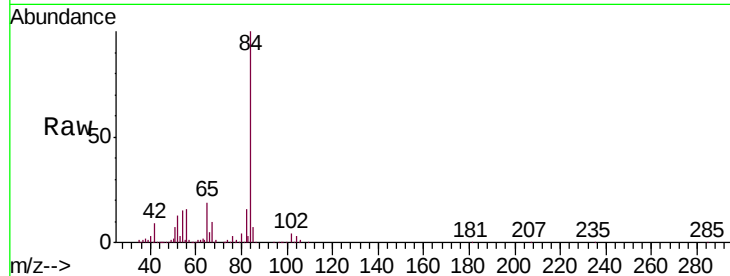




#27
 1,2-Dichloroethane
 Concen: 0.076 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV014079.D
 Acq: 16 Dec 2019 17:59

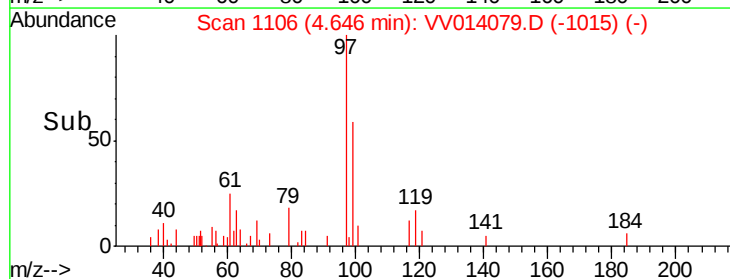
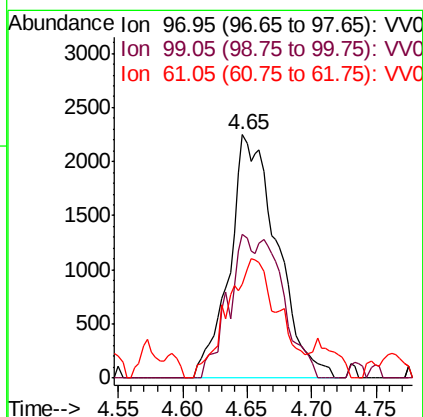
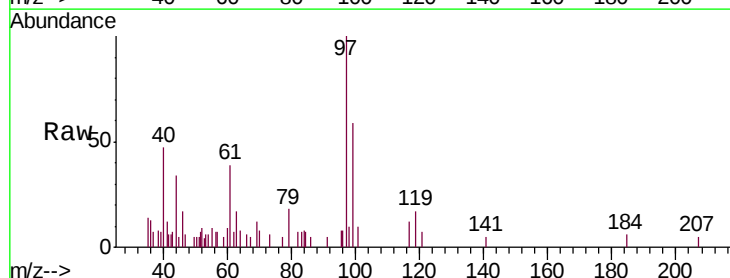
Instrument :
 MSVOA_V
 ClientSampleId :
 BFDT6

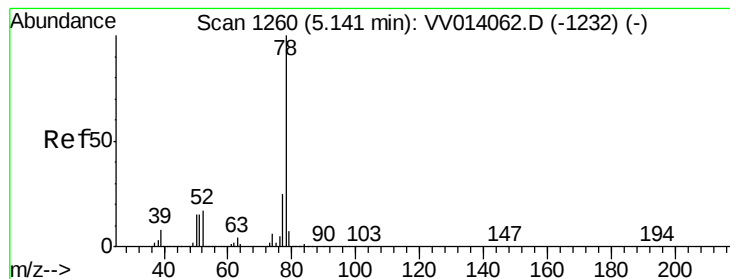
Tgt Ion: 62 Resp: 2037
 Ion Ratio Lower Upper
 62 100
 98 10.4 8.2 12.2



#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#





#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

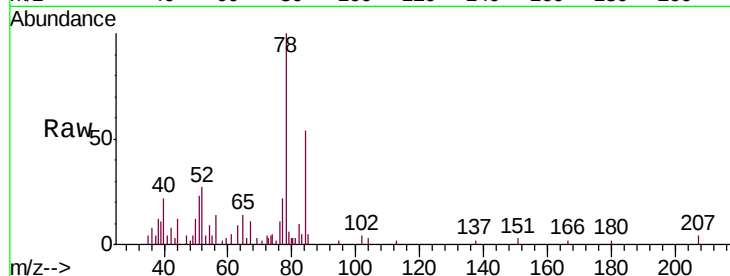
Instrument :

MSVOA_V

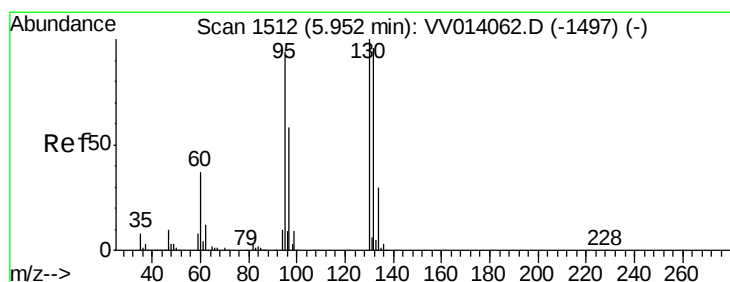
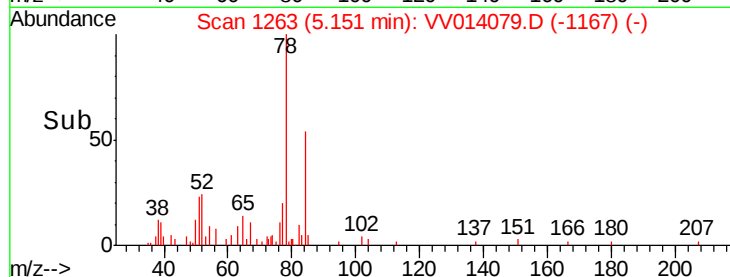
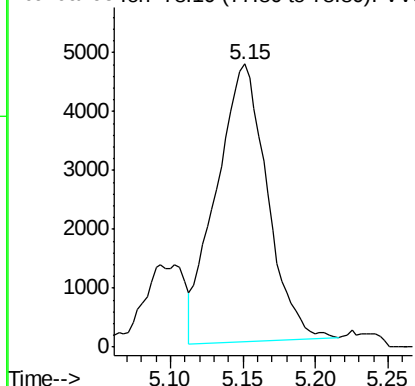
ClientSampleId :

BFD6

Tgt Ion: 78 Resp: 11442



Abundance Ion 78.10 (77.80 to 78.80): VV0



#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

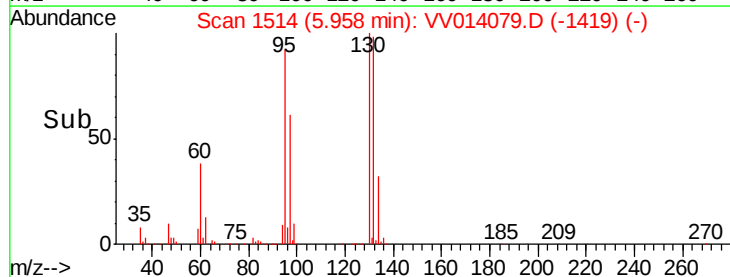
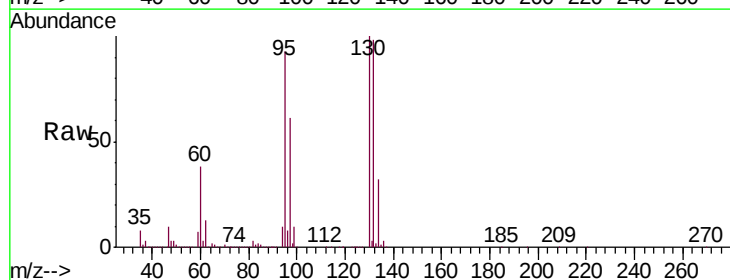
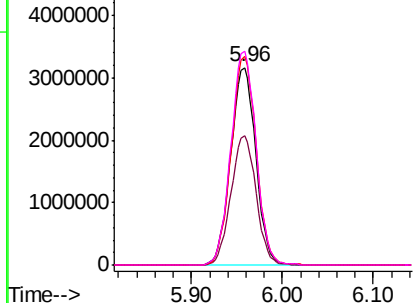
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.6	84.8
132	105.7	70.5	130.9
130	108.1	75.9	140.9

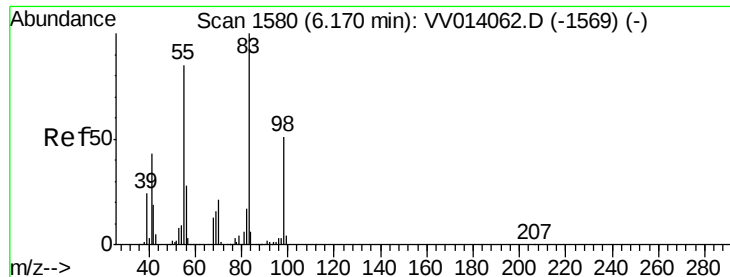
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

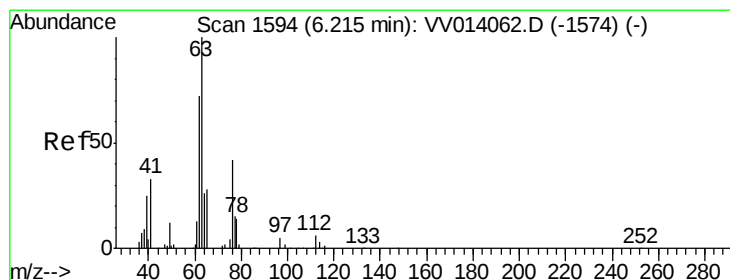
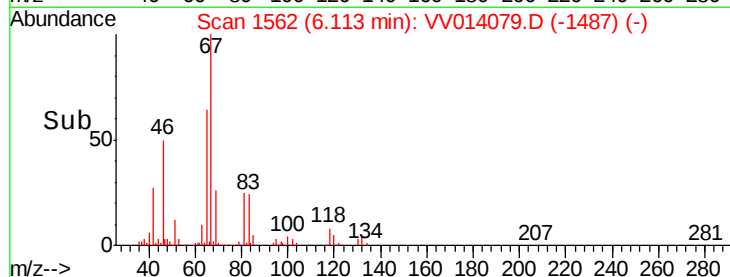
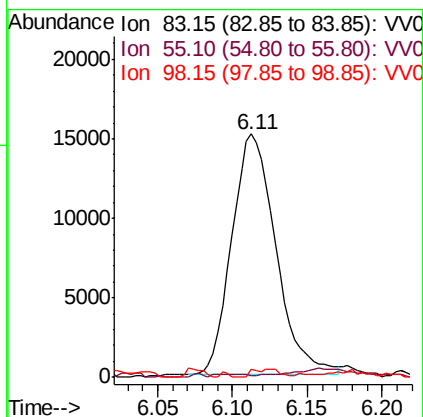
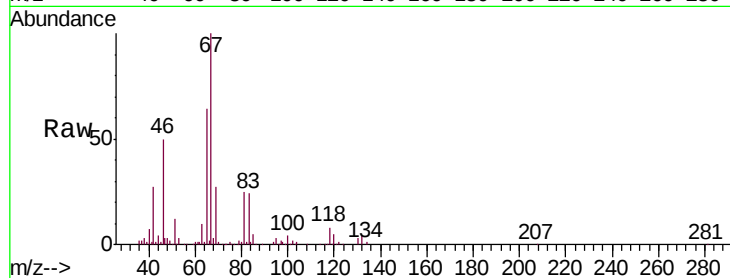




#35
Methylcyclohexane
Concen: 0.873 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

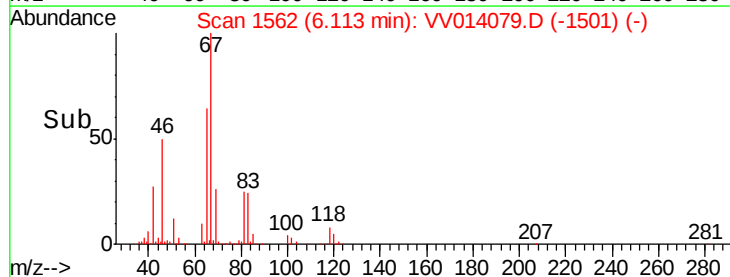
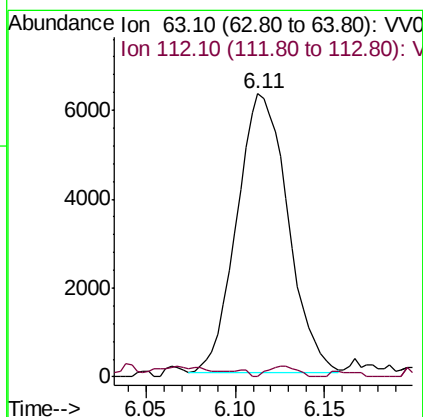
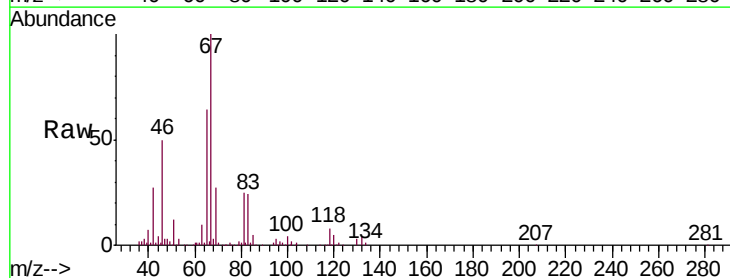
Instrument :
MSVOA_V
ClientSampleId :
BFD6

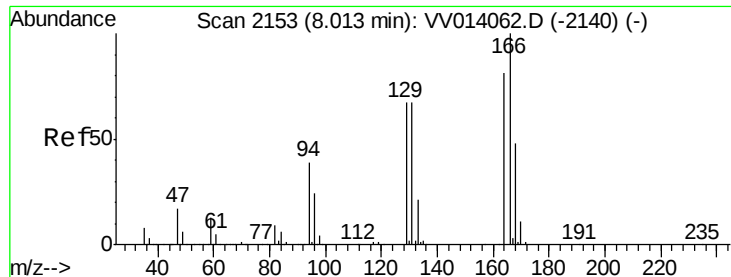
Tgt Ion: 83 Resp: 31126
Ion Ratio Lower Upper
83 100
55 1.0 60.3 90.5#
98 0.0 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.502 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 63 Resp: 12505
Ion Ratio Lower Upper
63 100
112 0.7 4.4 6.6#

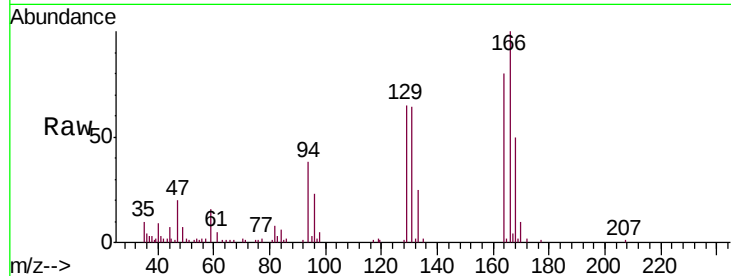




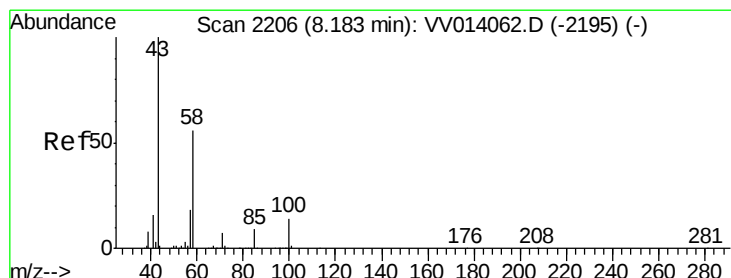
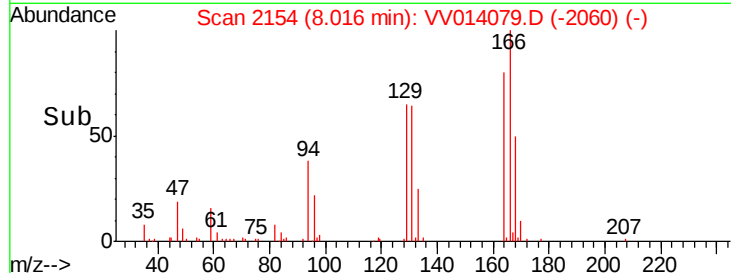
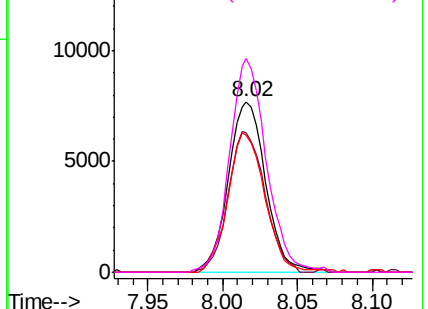
#47
Tetrachloroethene
Concen: 0.580 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Instrument :
MSVOA_V
ClientSampleId :
BFDT6

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

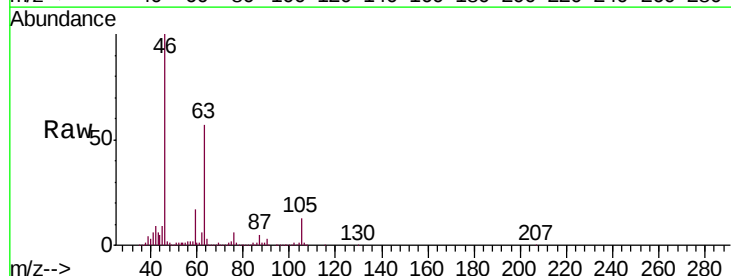


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

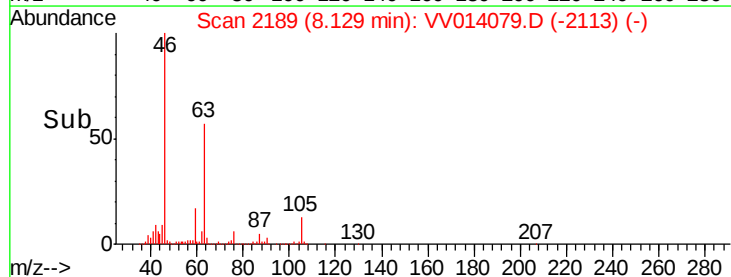
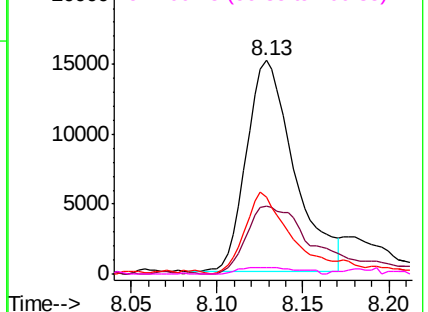


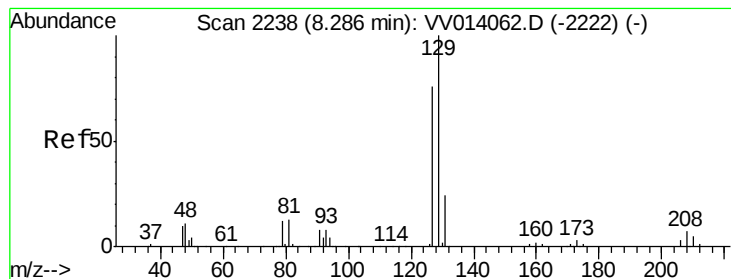
#48
2-Hexanone
Concen: 2.831 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.05 min
Lab File: VV014079.D
Acq: 16 Dec 2019 17:59

Tgt Ion: 43 Resp: 29351
Ion Ratio Lower Upper
43 100
58 43.6 43.2 64.8
57 36.5 15.4 23.2#
100 3.4 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.466 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV014079.D

Acq: 16 Dec 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

BFDT6

Tgt Ion:129 Resp: 10595

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#

