

Data File : VV014078.D
Acq On : 16 Dec 2019 17:35
Operator : SY/MD
Sample : K6275-19
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDT5

Quant Time: Dec 17 05:48:25 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	415766	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	402023	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	179599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103709	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	102871	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	131945	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	3.93	46	323629	60.50	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.00%
24) Chloroform-d	4.40	84	211573	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	110237	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.10	84	372543	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.80%
36) 1,2-Dichloropropane-d6	6.12	67	133478	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.36	98	284095	2.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.40%#
43) trans-1,3-Dichloropropene-	7.66	79	41562	3.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.00%
46) 2-Hexanone-d5	8.13	63	237156	53.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	113493	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	133809	4.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	3705	0.152 ug/L	99
5) Vinyl chloride	1.33	62	7153	0.288 ug/L #	51
9) Trichlorofluoromethane	1.77	101	20116	0.522 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2139	0.093 ug/L #	29
12) 1,1-Dichloroethene	2.14	96	11899	0.595 ug/L #	1
14) Carbon disulfide	2.32	76	10221	0.221 ug/L	95
15) Methyl Acetate	2.46	43	6675	0.797 ug/L #	55
18) trans-1,2-Dichloroethene	2.79	96	10529	0.466 ug/L	88
19) 1,1-Dichloroethane	3.23	63	13341	0.296 ug/L #	93
22) cis-1,2-Dichloroethene	3.96	96	382667	14.456 ug/L #	97
25) Chloroform	4.42	83	6709	0.140 ug/L	97
33) Benzene	5.15	78	7551	0.077 ug/L	100
34) Trichloroethene	5.96	95	1787345	65.702 ug/L	97
37) 1,2-Dichloropropane	6.11	63	14819	0.585 ug/L #	84
42) Toluene	7.43	91	7678	0.073 ug/L	86
47) Tetrachloroethene	8.02	164	6528	0.276 ug/L	89
48) 2-Hexanone	8.17	43	6822	0.646 ug/L #	40

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

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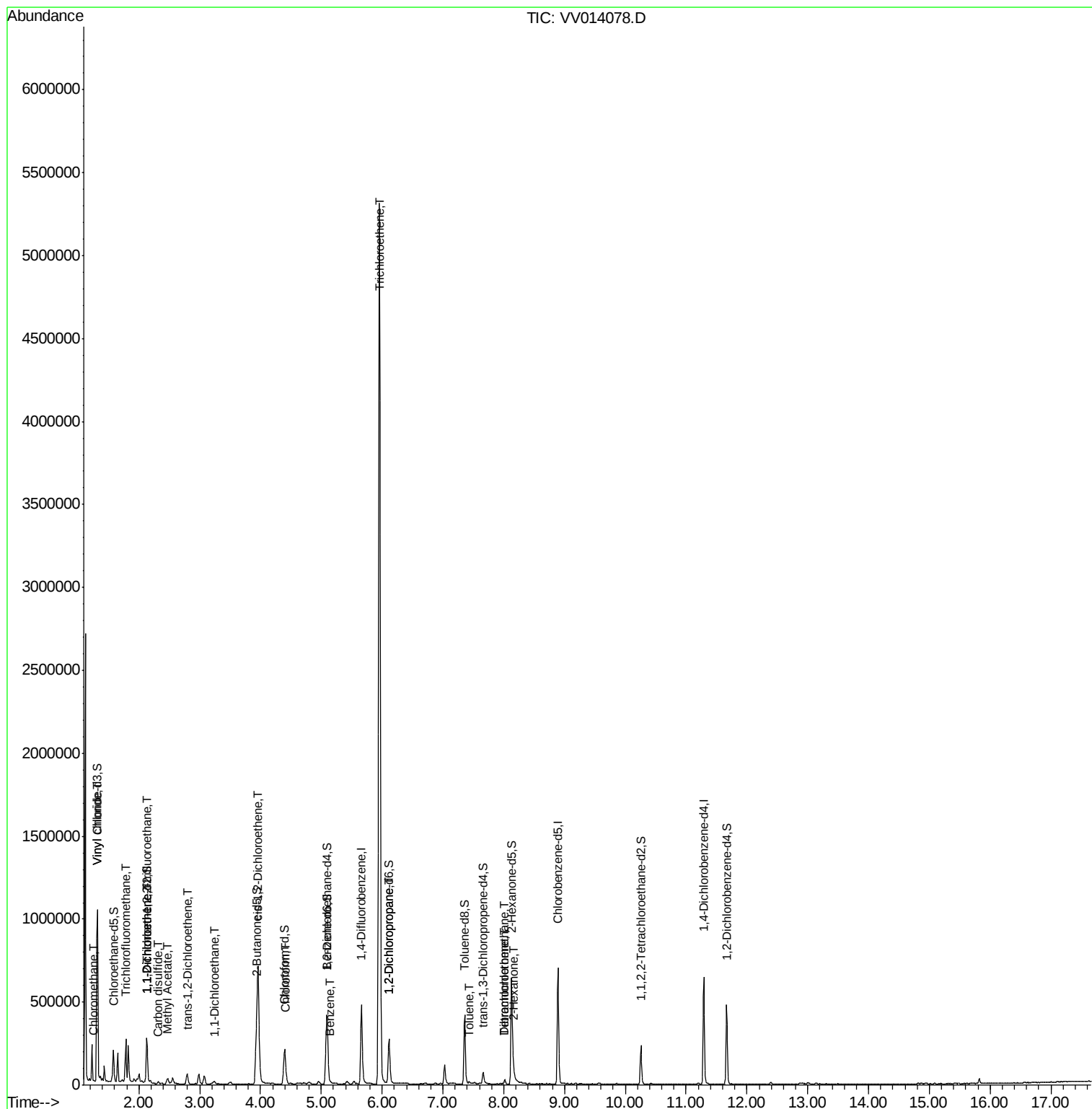
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	5435	0.235	ug/L #	10
-----	-----	-----	-----	-----	-----	-----

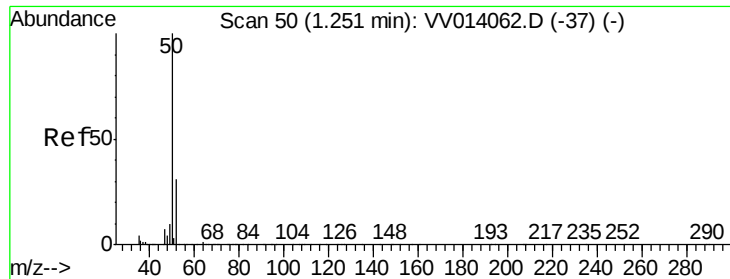
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.152 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014078.D

Acq: 16 Dec 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

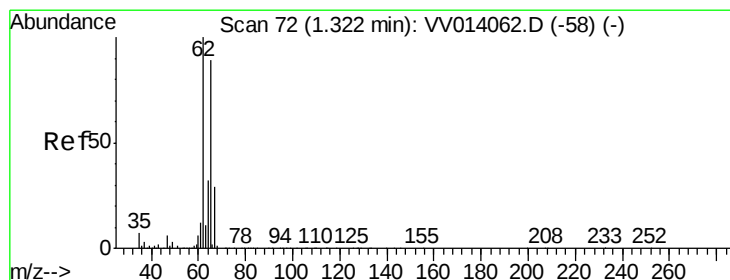
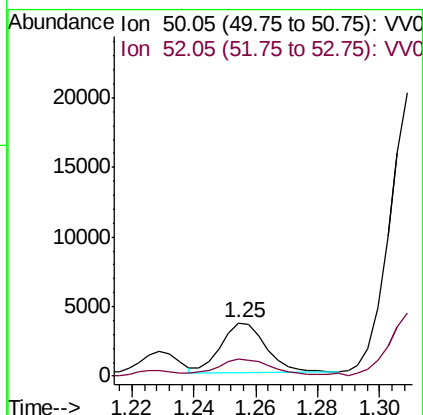
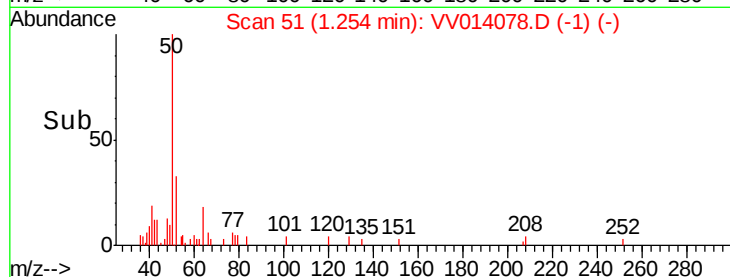
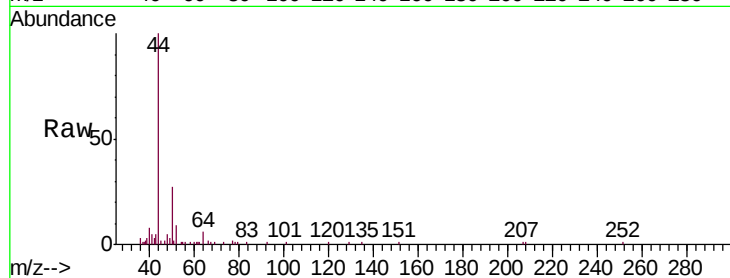
BFD5

Tgt Ion: 50 Resp: 3705

Ion Ratio Lower Upper

50 100

52 31.6 22.5 41.7



#5

Vinyl chloride

Concen: 0.288 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014078.D

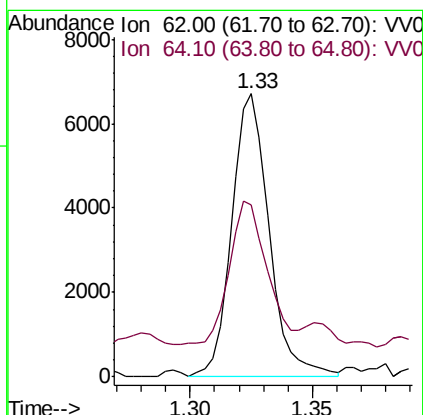
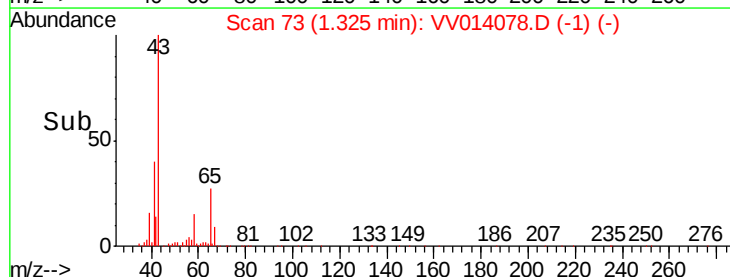
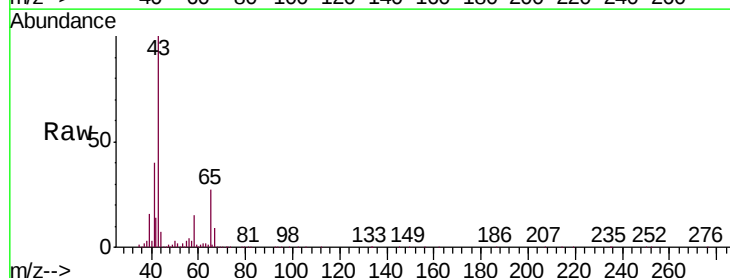
Acq: 16 Dec 2019 17:35

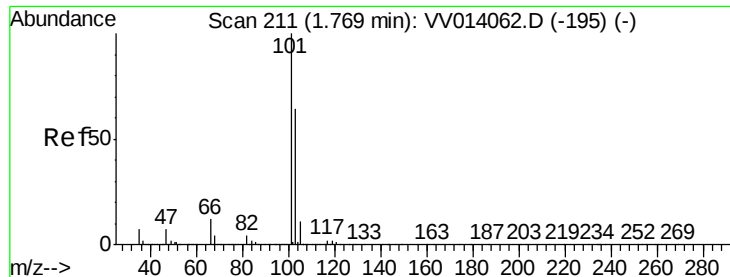
Tgt Ion: 62 Resp: 7153

Ion Ratio Lower Upper

62 100

64 60.9 23.3 43.3#



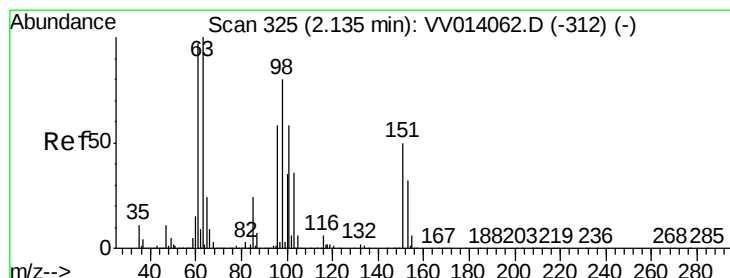
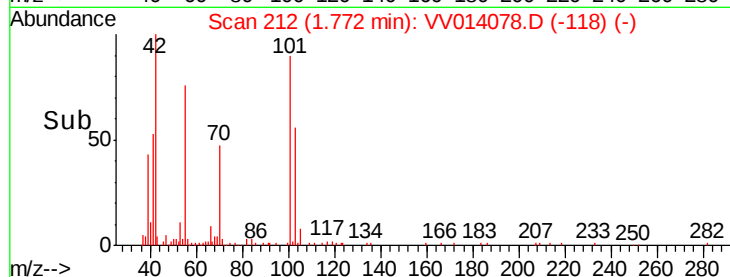
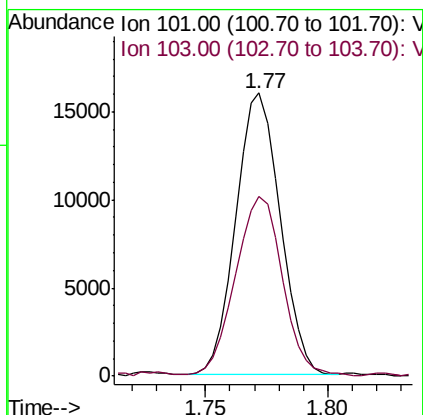
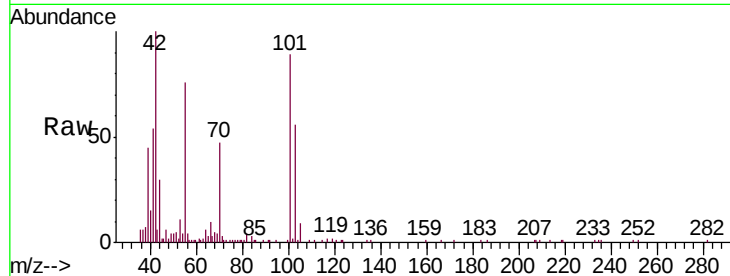


#9

Trichlorofluoromethane
 Concen: 0.522 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VV014078.D
 Acq: 16 Dec 2019 17:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD5

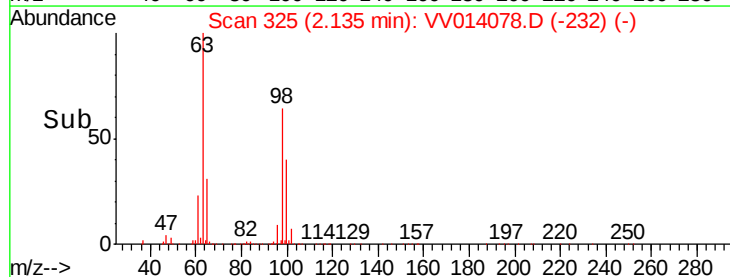
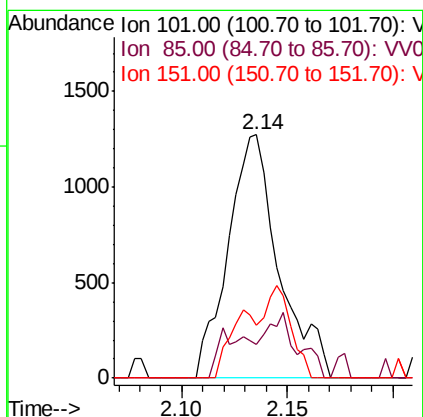
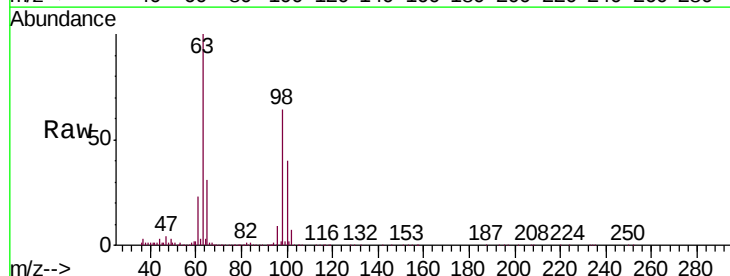
Tgt Ion:101 Resp: 20116
 Ion Ratio Lower Upper
 101 100
 103 68.1 52.9 79.3

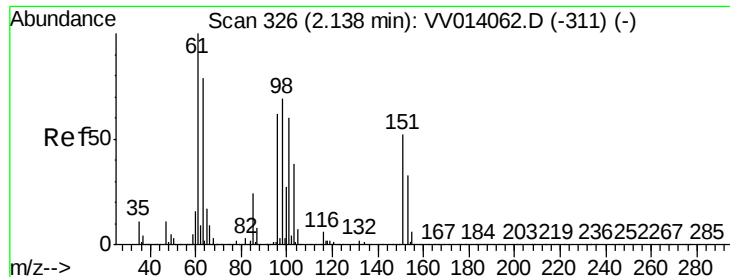


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.093 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV014078.D
 Acq: 16 Dec 2019 17:35

Tgt Ion:101 Resp: 2139
 Ion Ratio Lower Upper
 101 100
 85 6.7 33.4 50.0#
 151 14.6 69.4 104.0#

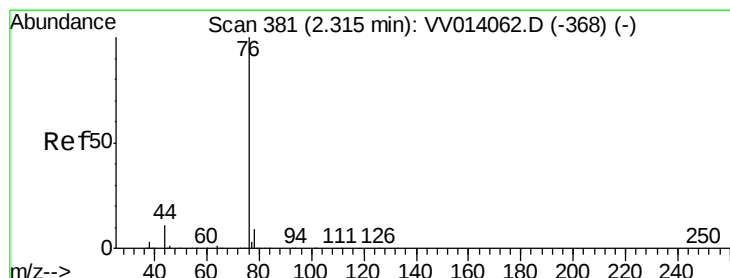
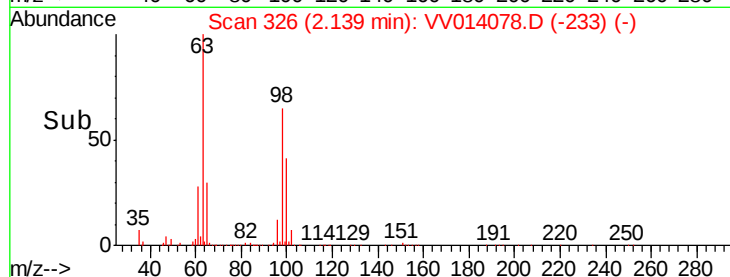
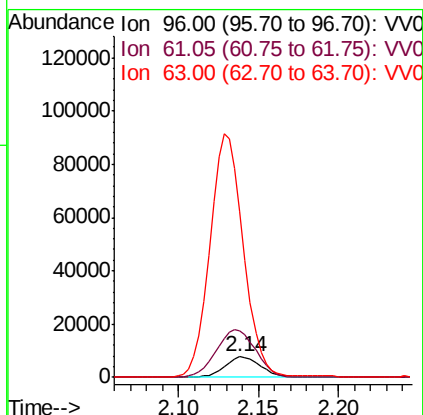
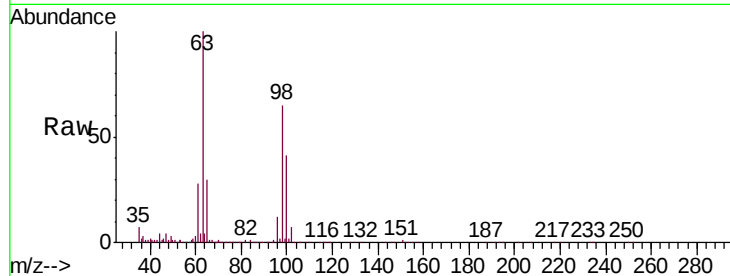




#12
 1,1-Dichloroethene
 Concen: 0.595 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV014078.D
 Acq: 16 Dec 2019 17:35

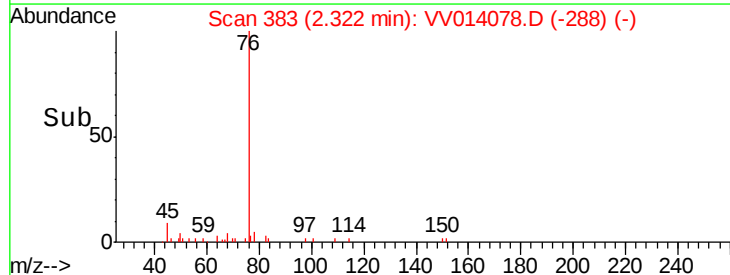
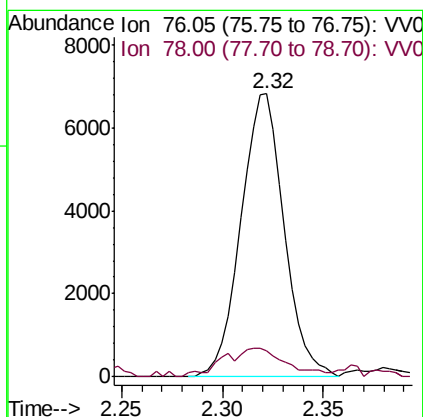
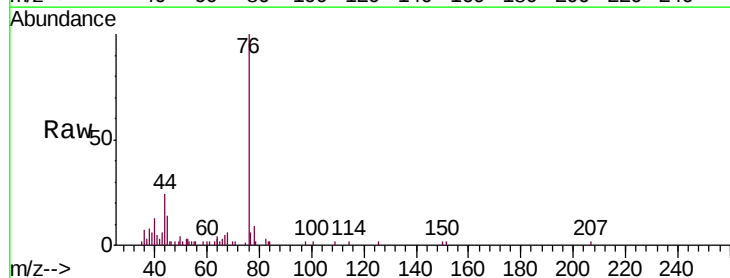
Instrument :
 MSVOA_V
 ClientSampleId :
 BFDT5

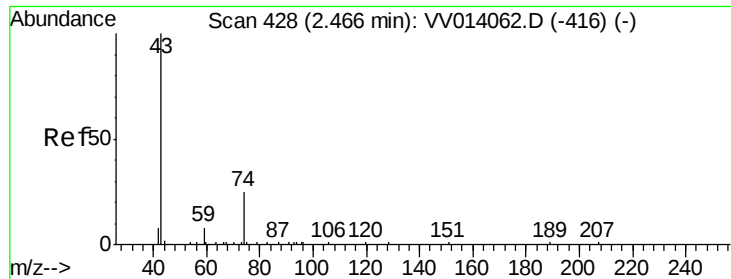
Tgt Ion: 96 Resp: 11899
 Ion Ratio Lower Upper
 96 100
 61 226.4 116.3 215.9#
 63 803.8 96.7 179.7#



#14
 Carbon disulfide
 Concen: 0.221 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VV014078.D
 Acq: 16 Dec 2019 17:35

Tgt Ion: 76 Resp: 10221
 Ion Ratio Lower Upper
 76 100
 78 11.1 7.5 11.3





#15

Methyl Acetate

Concen: 0.797 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV014078.D

Acq: 16 Dec 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

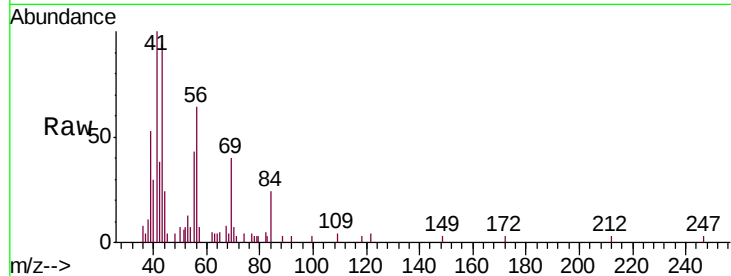
BFDT5

Tgt Ion: 43 Resp: 6675

Ion Ratio Lower Upper

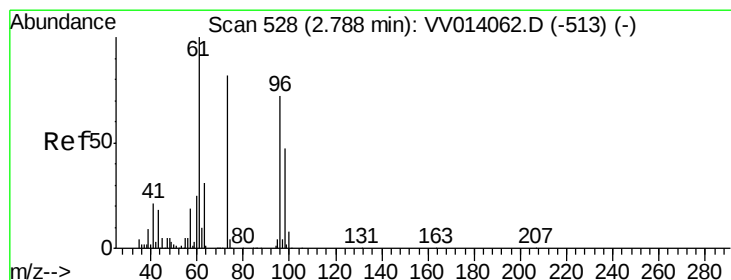
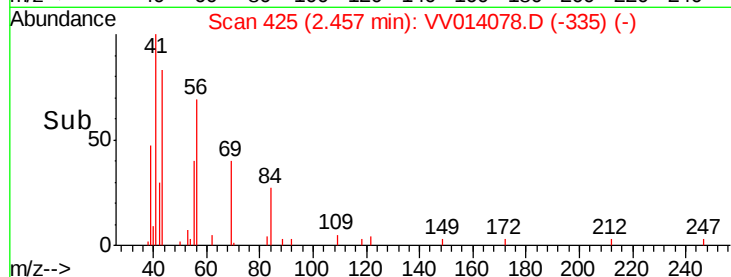
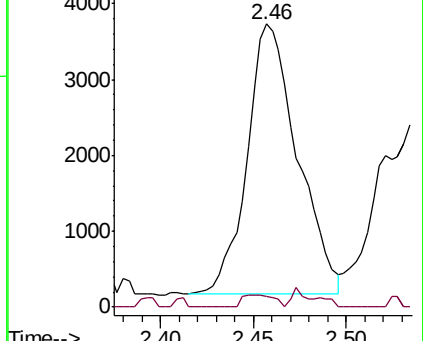
43 100

74 2.9 20.5 30.7#



Abundance Ion 43.05 (42.75 to 43.75): VV014062.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VV014062.D (-416) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.466 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014078.D

Acq: 16 Dec 2019 17:35

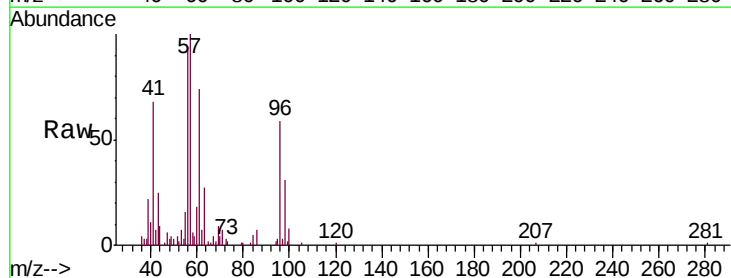
Tgt Ion: 96 Resp: 10529

Ion Ratio Lower Upper

96 100

61 124.6 95.1 176.7

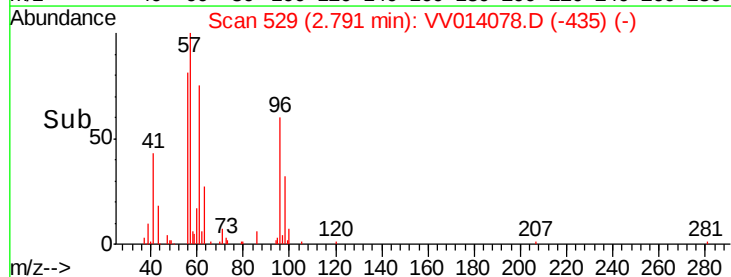
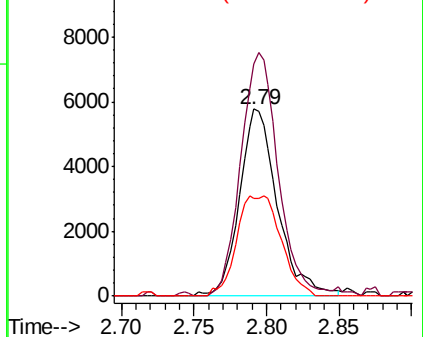
98 52.4 46.5 86.3

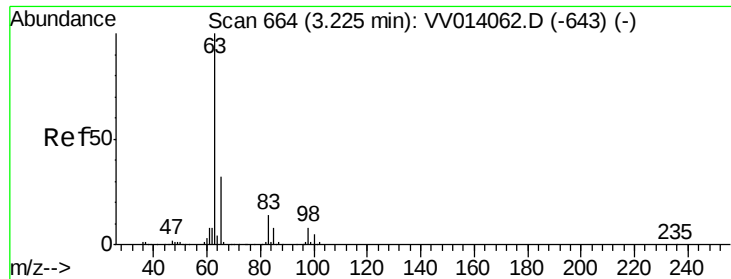


Abundance Ion 96.00 (95.70 to 96.70): VV014062.D (-513) (-)

Ion 61.05 (60.75 to 61.75): VV014062.D (-513) (-)

Ion 97.95 (97.65 to 98.65): VV014062.D (-513) (-)

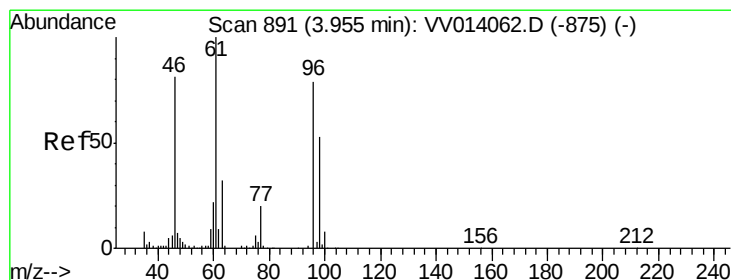
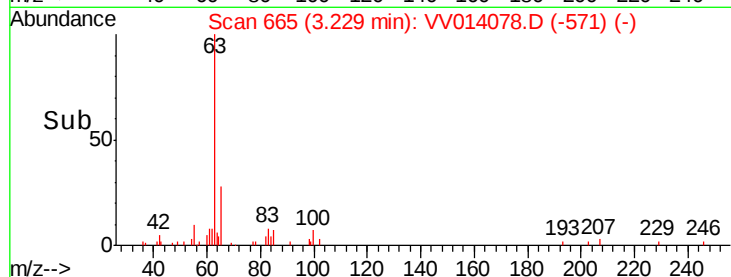
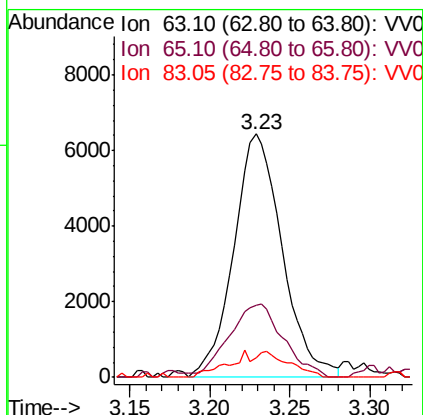
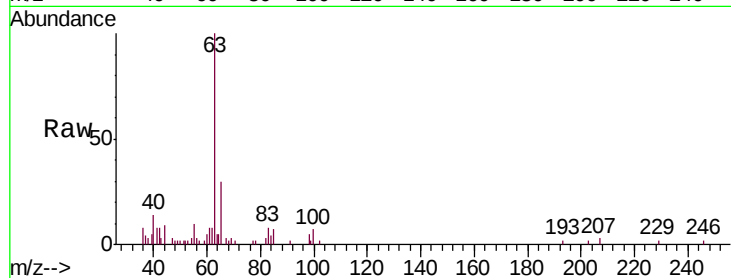




#19
 1,1-Dichloroethane
 Concen: 0.296 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014078.D
 Acq: 16 Dec 2019 17:35

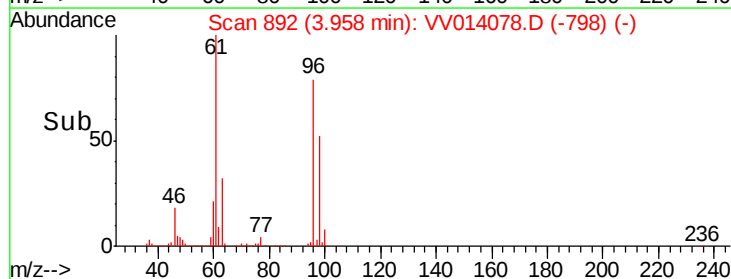
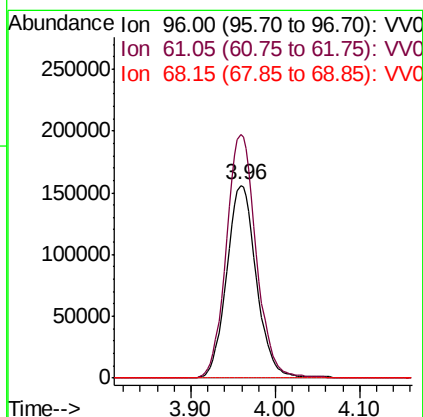
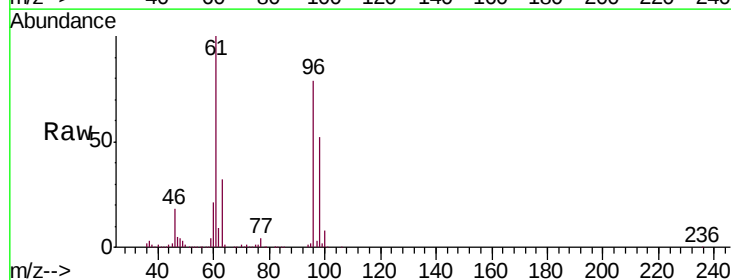
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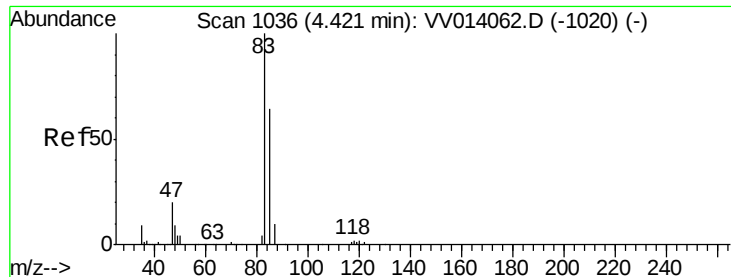
Tgt Ion: 63 Resp: 13341
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.7 42.1
 83 8.1 9.2 17.2#



#22
 cis-1,2-Dichloroethene
 Concen: 14.456 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014078.D
 Acq: 16 Dec 2019 17:35

Tgt Ion: 96 Resp: 382667
 Ion Ratio Lower Upper
 96 100
 61 126.1 86.1 159.9
 68 0.1 0.0 0.0#

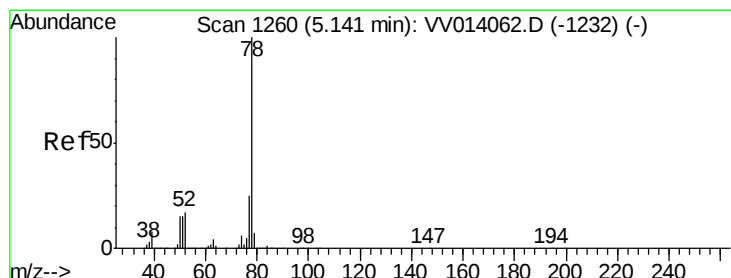
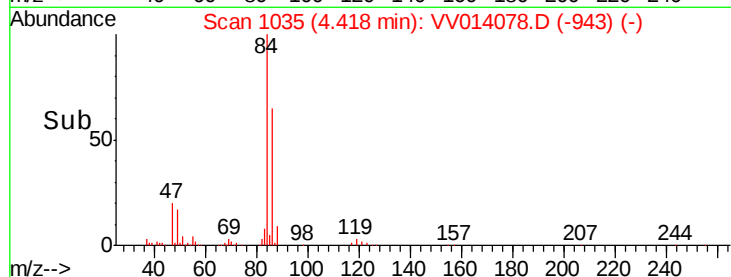
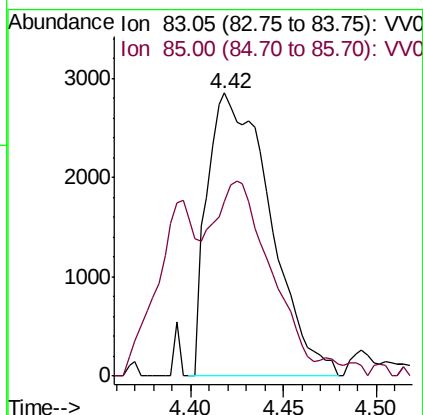
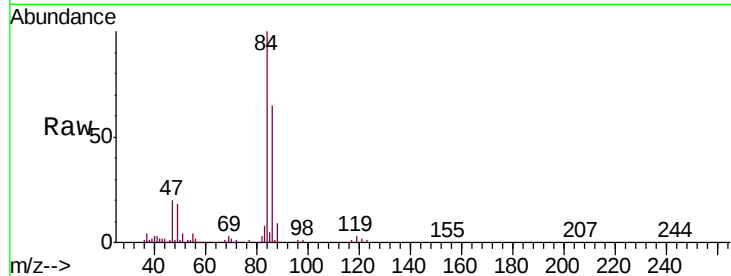




#25
Chloroform
Concen: 0.140 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014078.D
Acq: 16 Dec 2019 17:35

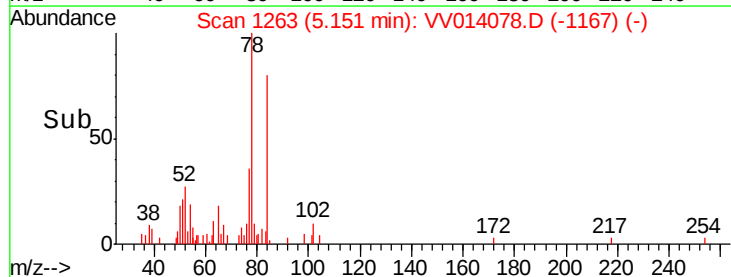
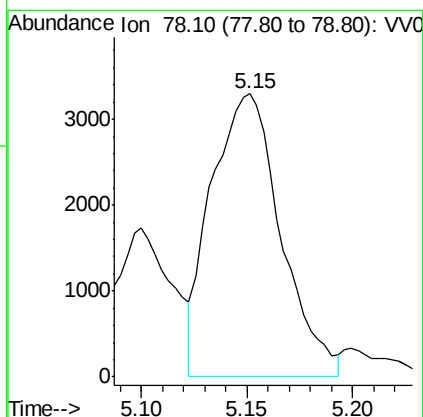
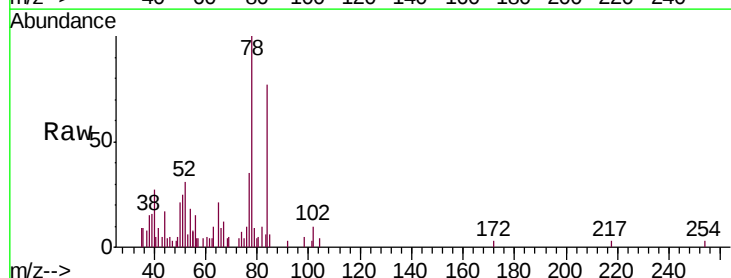
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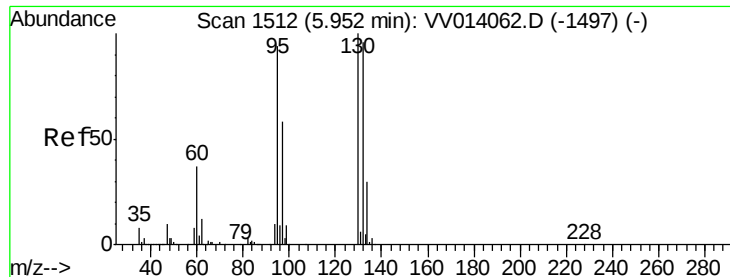
Tgt Ion: 83 Resp: 6709
Ion Ratio Lower Upper
83 100
85 61.8 45.1 83.7



#33
Benzene
Concen: 0.077 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV014078.D
Acq: 16 Dec 2019 17:35

Tgt Ion: 78 Resp: 7551





#34

Trichloroethene

Concen: 65.702 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014078.D

Acq: 16 Dec 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

BFD5

Tgt Ion: 95 Resp: 1787345

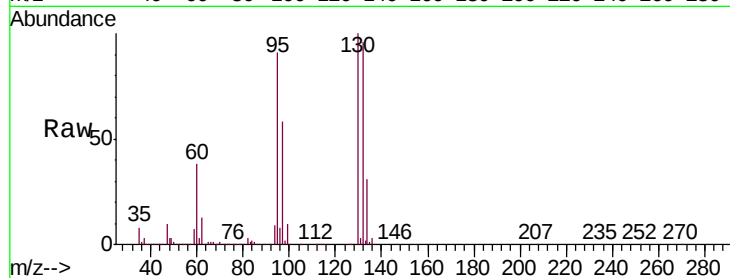
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.8

132 105.7 70.5 130.9

130 110.2 75.9 140.9

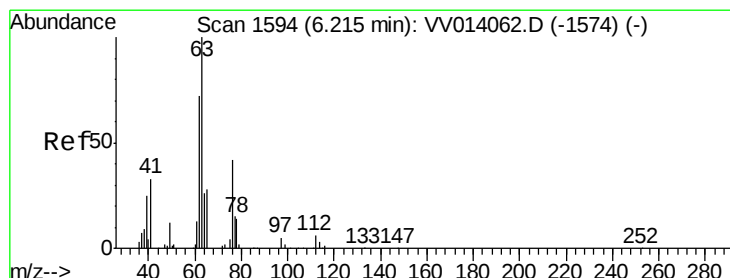
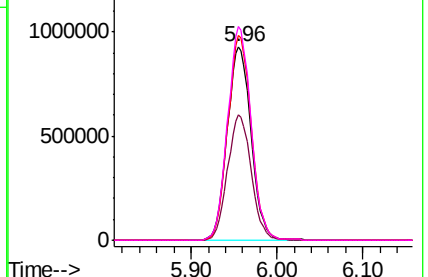
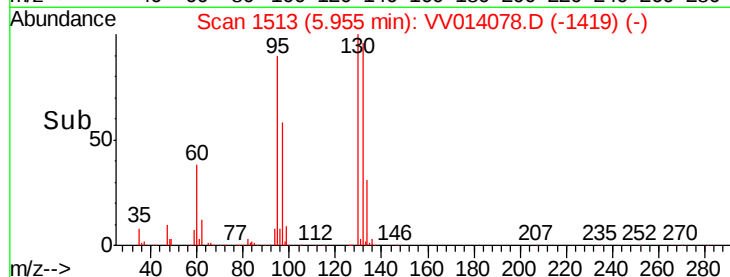


Abundance Ion 95.00 (94.70 to 95.70): VV014078.D (-1419) (-)

Ion 96.95 (96.65 to 97.65): VV014078.D (-1419) (-)

Ion 131.95 (131.65 to 132.65): VV014078.D (-1419) (-)

Ion 129.95 (129.65 to 130.65): VV014078.D (-1419) (-)



#37

1,2-Dichloropropane

Concen: 0.585 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014078.D

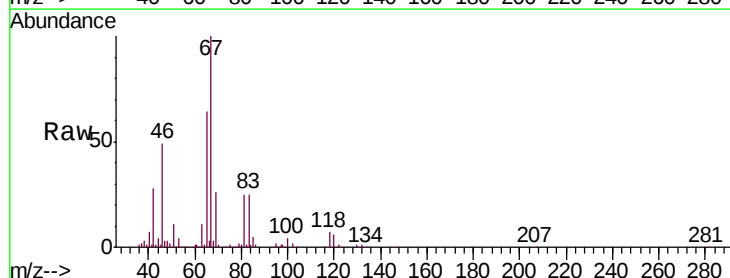
Acq: 16 Dec 2019 17:35

Tgt Ion: 63 Resp: 14819

Ion Ratio Lower Upper

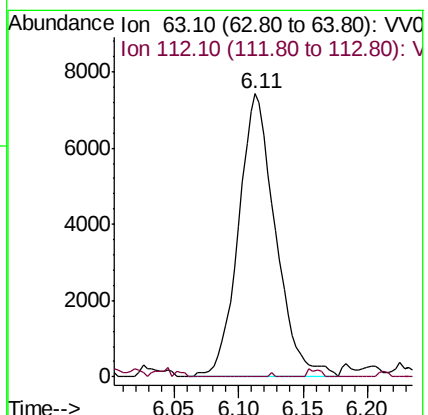
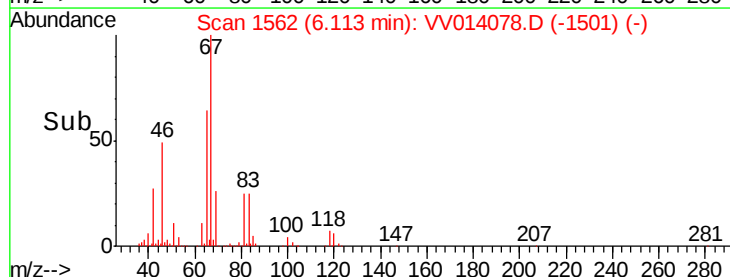
63 100

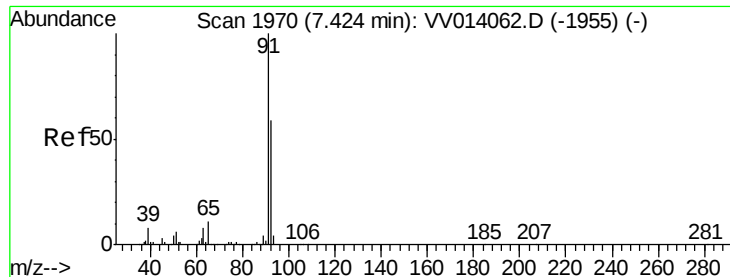
112 0.1 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV014078.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV014078.D (-1501) (-)





#42

Toluene

Concen: 0.073 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014078.D

Acq: 16 Dec 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

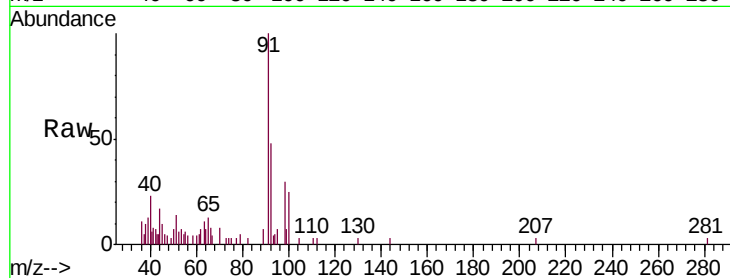
BFD5

Tgt Ion: 91 Resp: 7678

Ion Ratio Lower Upper

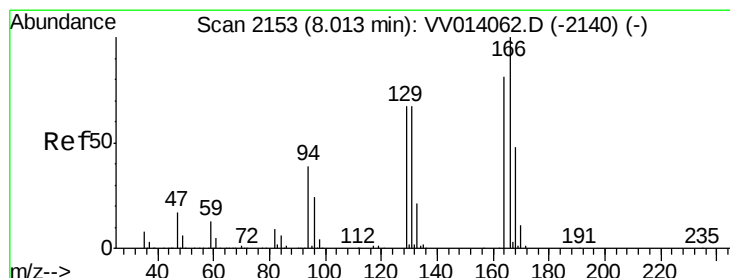
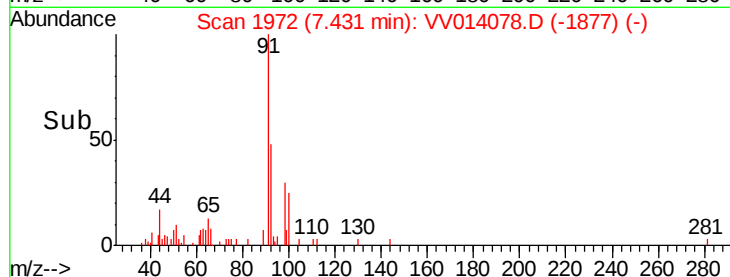
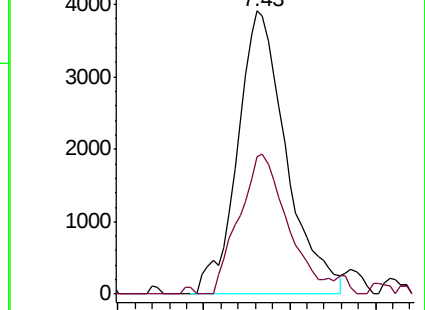
91 100

92 48.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV014062.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV014062.D (-1955) (-)



#47

Tetrachloroethene

Concen: 0.276 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014078.D

Acq: 16 Dec 2019 17:35

Tgt Ion: 164 Resp: 6528

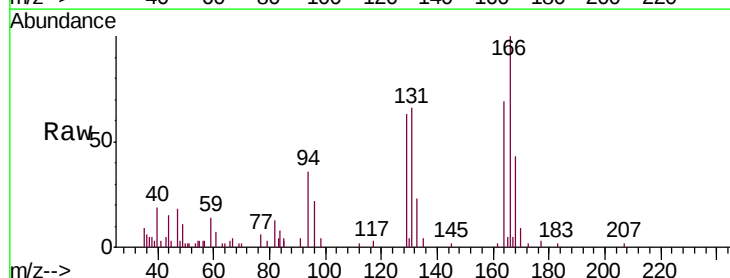
Ion Ratio Lower Upper

164 100

129 91.4 60.3 112.1

131 94.7 59.9 111.3

166 144.5 89.1 165.5

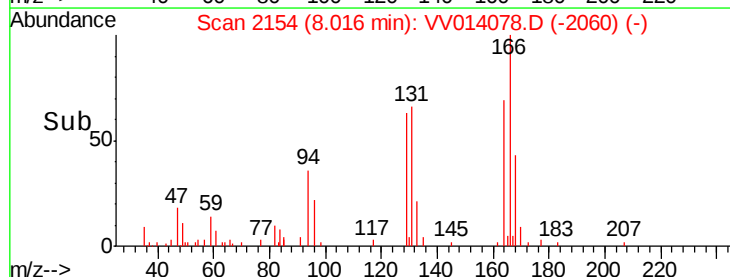
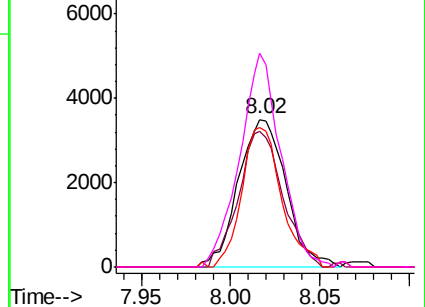


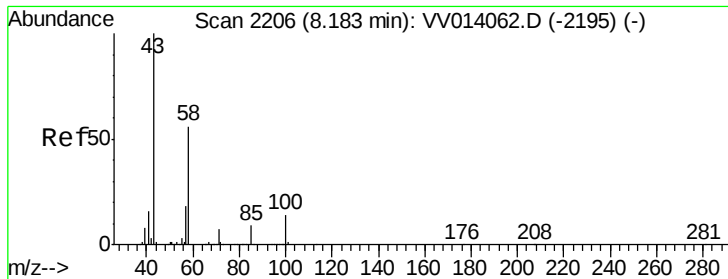
Abundance Ion 163.90 (163.60 to 164.60): VV014062.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV014062.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV014062.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV014062.D (-2140) (-)

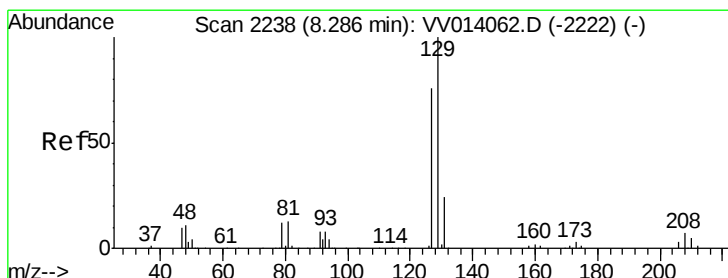
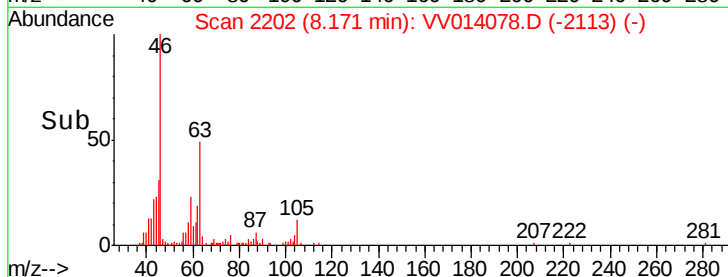
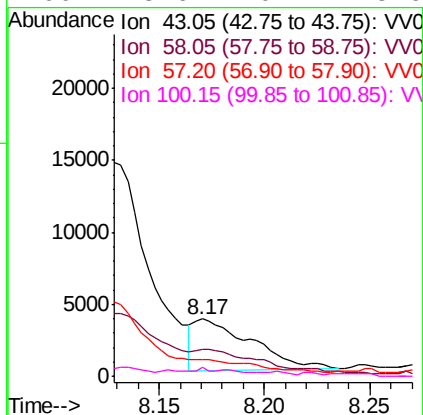
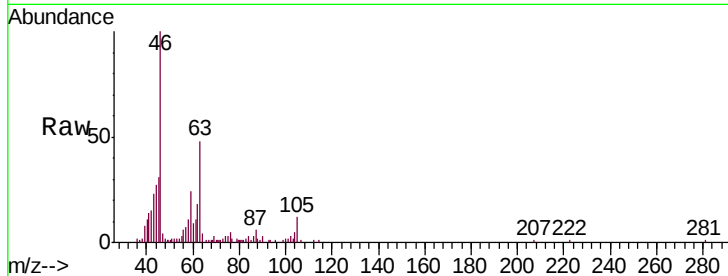




#48
2-Hexanone
Concen: 0.646 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. -0.01 min
Lab File: VV014078.D
Acq: 16 Dec 2019 17:35

Instrument :
MSVOA_V
ClientSampled :
BFDT5

Tgt Ion: 43 Resp: 6822
Ion Ratio Lower Upper
43 100
58 0.0 43.2 64.8#
57 0.0 15.4 23.2#
100 5.6 10.4 15.6#



#49
Dibromochloromethane
Concen: 0.235 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV014078.D
Acq: 16 Dec 2019 17:35

Tgt Ion: 129 Resp: 5435
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

