

Data File : VV014076.D
Acq On : 16 Dec 2019 16:47
Operator : SY/MD
Sample : K6275-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD2

Quant Time: Dec 17 05:47:51 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	357791	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	360849	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	165652	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97908	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.58	69	94100	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.13	63	122685	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.94	46	319073	69.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.62%#
24) Chloroform-d	4.40	84	210112	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	106689	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.10	84	357220	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.80%
36) 1,2-Dichloropropane-d6	6.11	67	129643	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.36	98	260200	2.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.60%#
43) trans-1,3-Dichloropropene-	7.66	79	40808	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.13	63	229890	57.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.42%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	113658	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	134864	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	4420	0.211	ug/L #	82
5) Vinyl chloride	1.32	62	4114	0.192	ug/L #	22
9) Trichlorofluoromethane	1.77	101	16748	0.505	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1718	0.087	ug/L #	45
12) 1,1-Dichloroethene	2.14	96	5481	0.319	ug/L #	1
13) Acetone	2.21	43	18305	5.686	ug/L #	41
14) Carbon disulfide	2.31	76	12778	0.322	ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	7513	0.387	ug/L	95
19) 1,1-Dichloroethane	3.23	63	7847	0.202	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	228185	10.017	ug/L	98
34) Trichloroethene	5.96	95	1279659	52.407	ug/L	98
35) Methylcyclohexane	6.11	83	32611	1.001	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	12801	0.563	ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	2131	0.084	ug/L #	79
47) Tetrachloroethene	8.01	164	3515	0.166	ug/L	87
48) 2-Hexanone	8.13	43	32370	3.416	ug/L #	82
49) Dibromochloromethane	8.02	129	2857	0.137	ug/L #	10

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

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QLast Update : Tue Dec 17 05:42:45 2019
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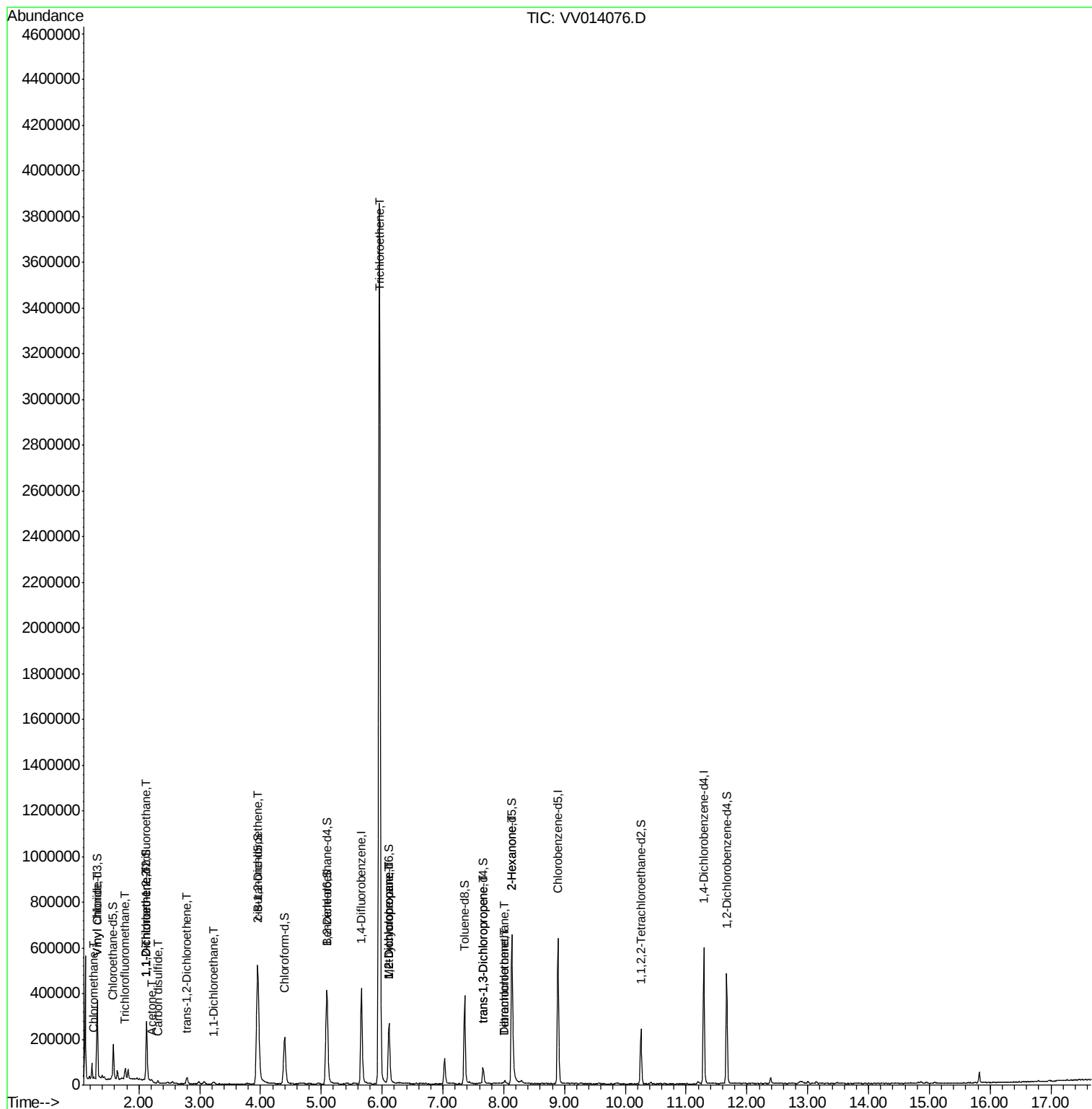
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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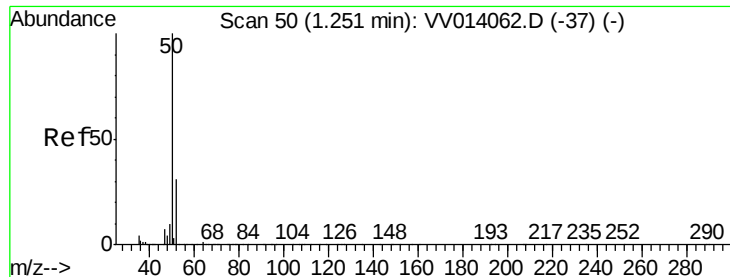
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.211 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

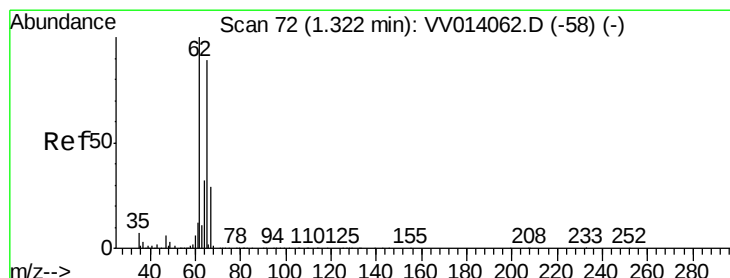
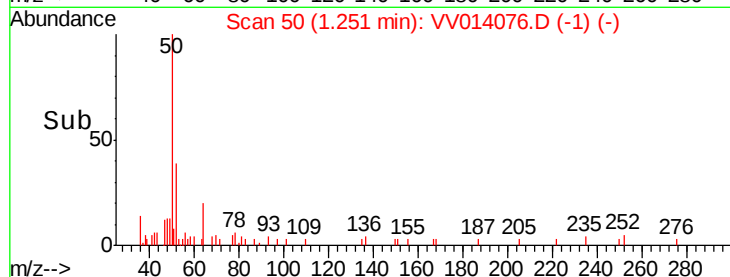
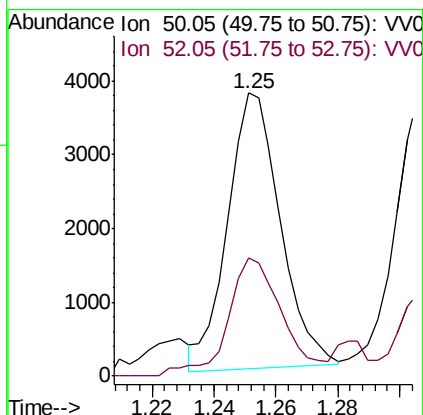
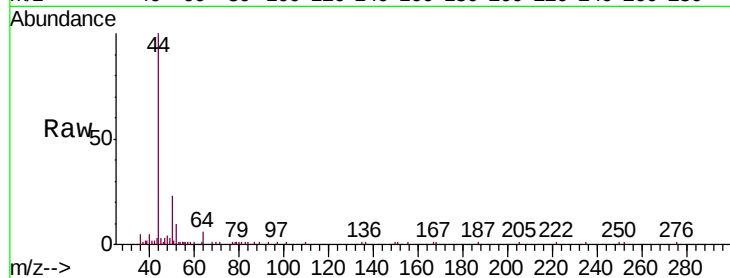
BFD2

Tgt Ion: 50 Resp: 4420

Ion Ratio Lower Upper

50 100

52 42.0 22.5 41.7#



#5

Vinyl chloride

Concen: 0.192 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014076.D

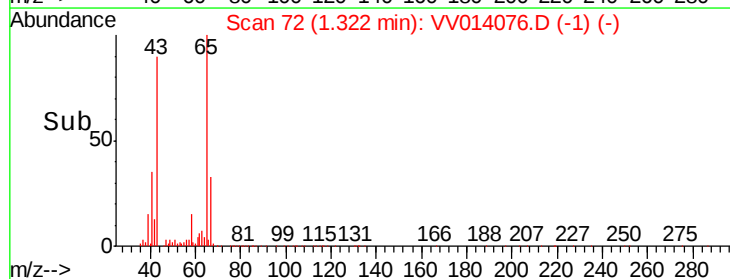
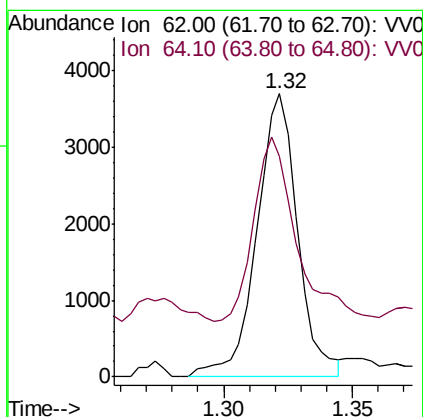
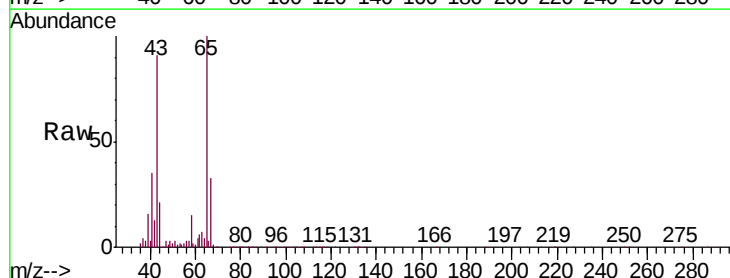
Acq: 16 Dec 2019 16:47

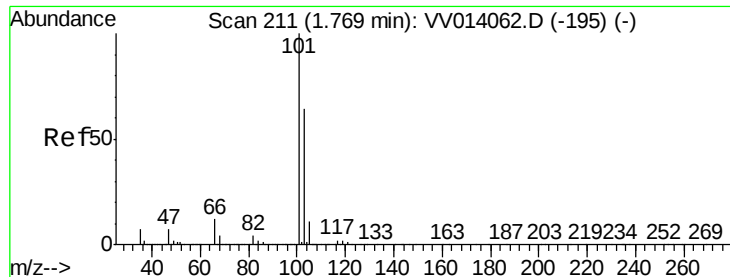
Tgt Ion: 62 Resp: 4114

Ion Ratio Lower Upper

62 100

64 77.8 23.3 43.3#





#9

Trichlorofluoromethane

Concen: 0.505 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

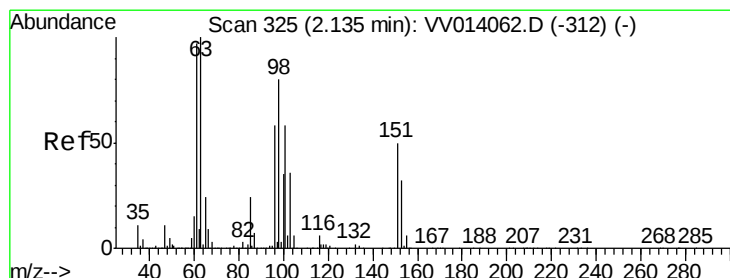
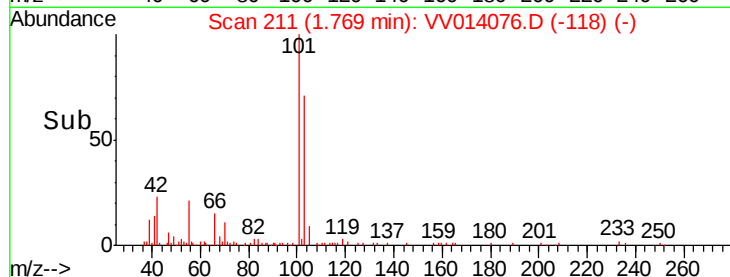
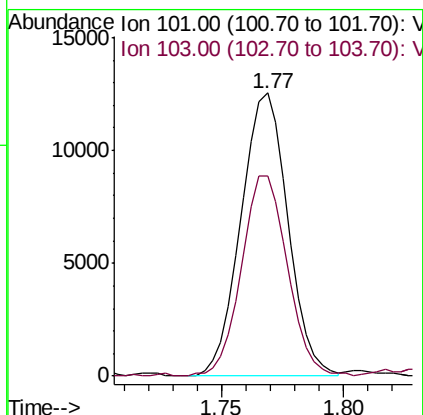
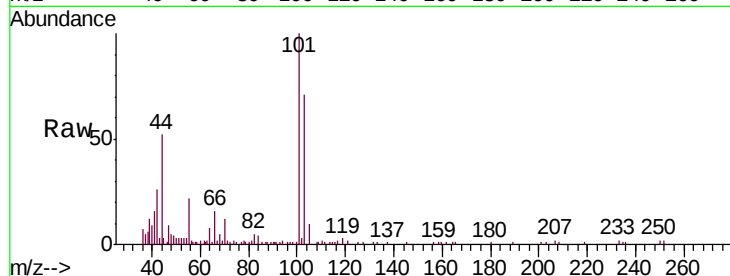
BFDT2

Tgt Ion:101 Resp: 16748

Ion Ratio Lower Upper

101 100

103 69.2 52.9 79.3



#10

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

Concen: 0.087 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

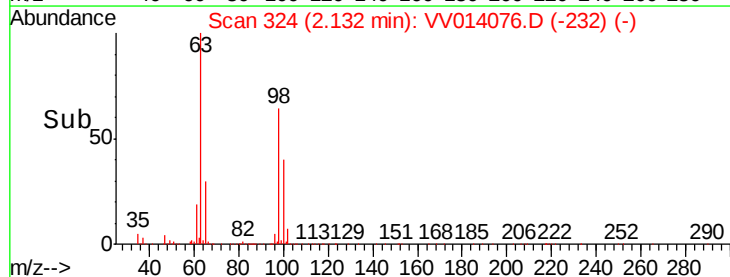
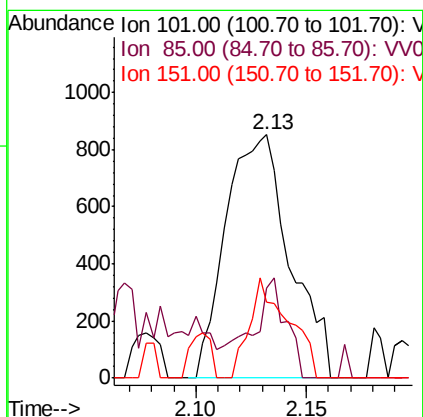
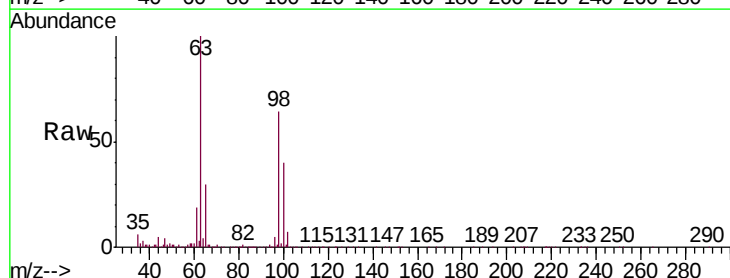
Tgt Ion:101 Resp: 1718

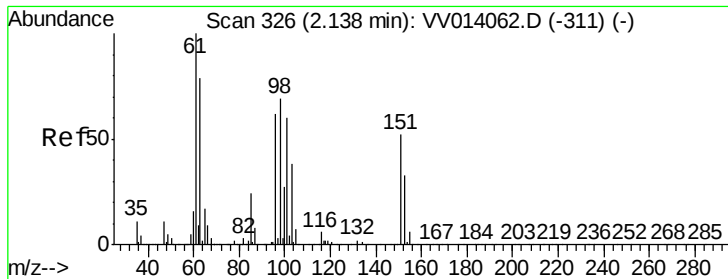
Ion Ratio Lower Upper

101 100

85 21.9 33.4 50.0#

151 24.9 69.4 104.0#

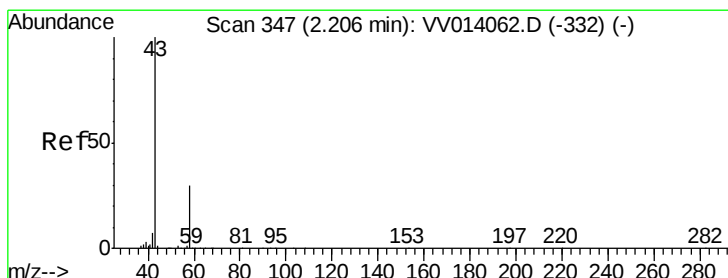
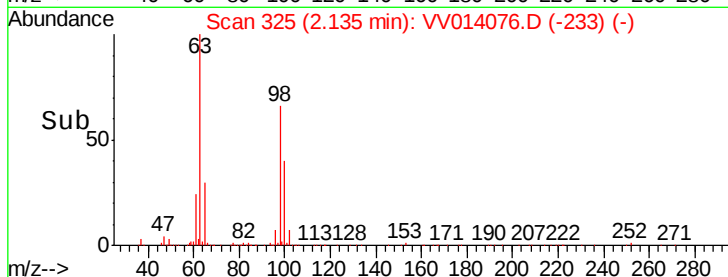
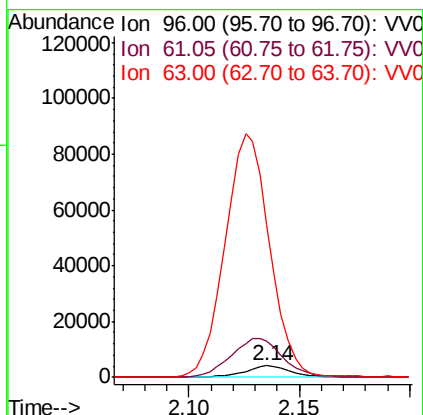
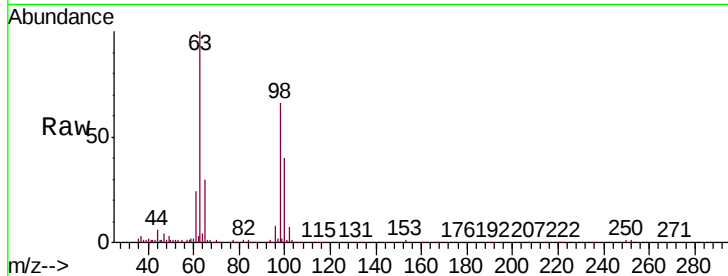




#12
 1,1-Dichloroethene
 Concen: 0.319 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV014076.D
 Acq: 16 Dec 2019 16:47

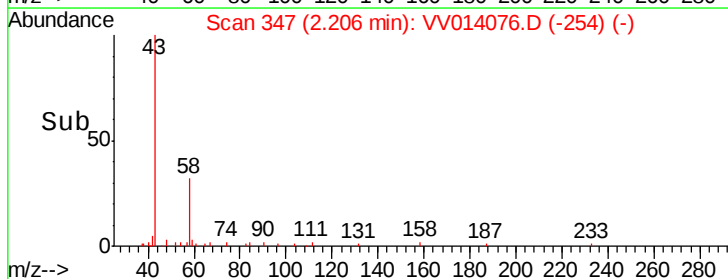
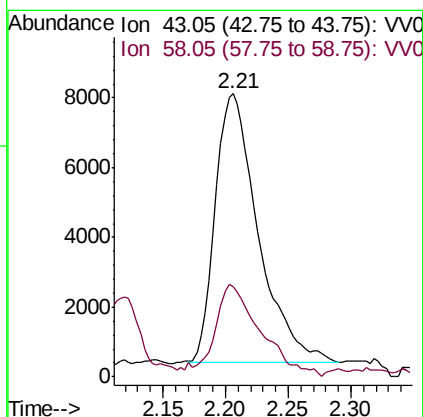
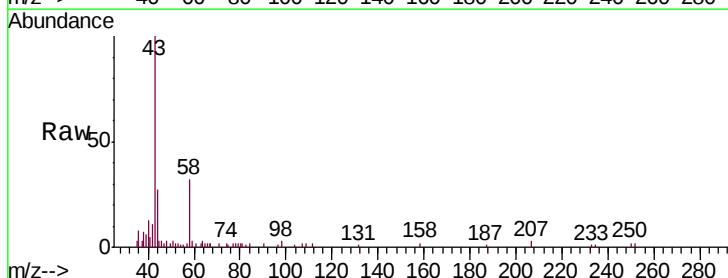
Instrument :
 MSVOA_V
 ClientSampleId :
 BFDT2

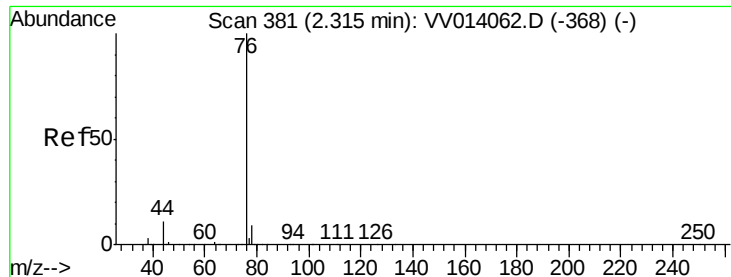
Tgt Ion: 96 Resp: 5481
 Ion Ratio Lower Upper
 96 100
 61 312.4 116.3 215.9#
 63 1327.8 96.7 179.7#



#13
 Acetone
 Concen: 5.686 ug/L
 RT: 2.21 min Scan# 347
 Delta R.T. 0.00 min
 Lab File: VV014076.D
 Acq: 16 Dec 2019 16:47

Tgt Ion: 43 Resp: 18305
 Ion Ratio Lower Upper
 43 100
 58 37.4 0.0 27.2#





#14

Carbon disulfide

Concen: 0.322 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

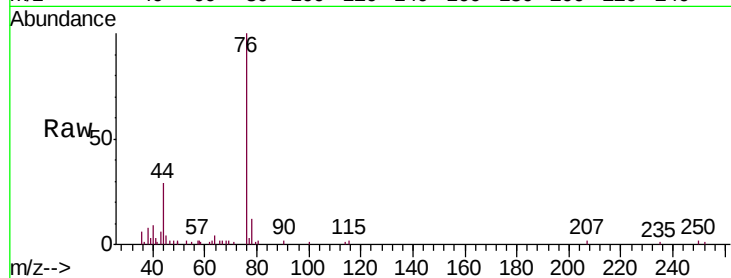
BFDT2

Tgt Ion: 76 Resp: 12778

Ion Ratio Lower Upper

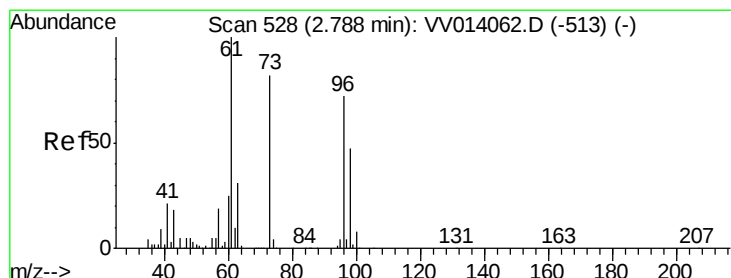
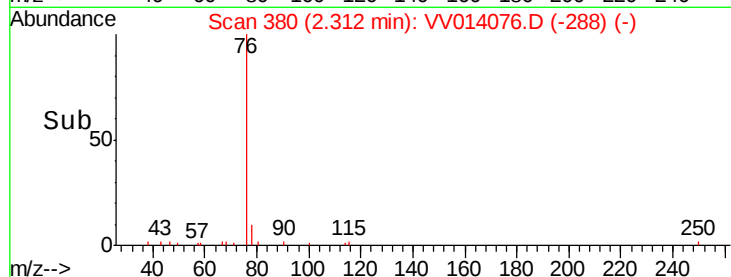
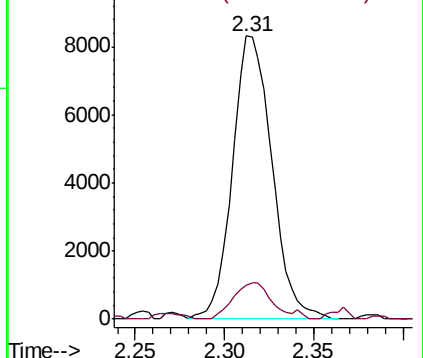
76 100

78 11.8 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.387 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

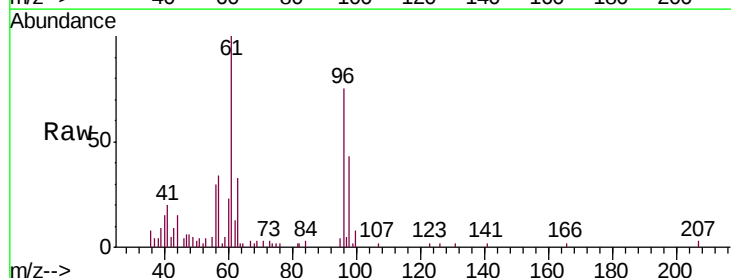
Tgt Ion: 96 Resp: 7513

Ion Ratio Lower Upper

96 100

61 133.1 95.1 176.7

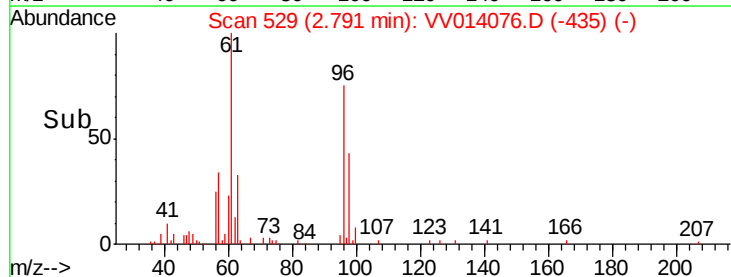
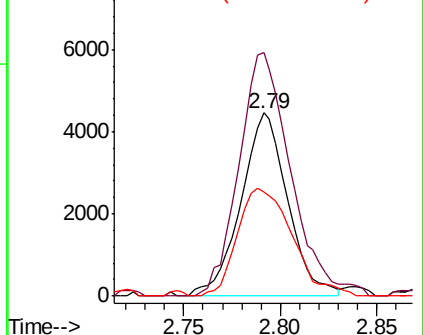
98 57.0 46.5 86.3

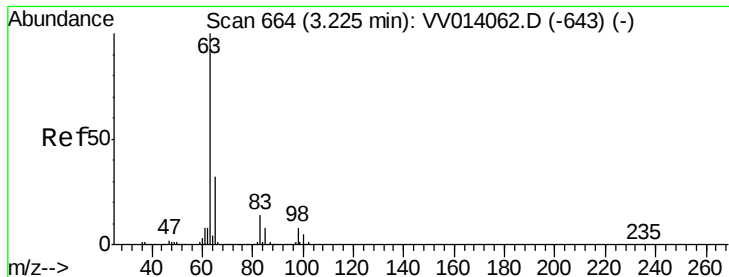


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.202 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

BFD2

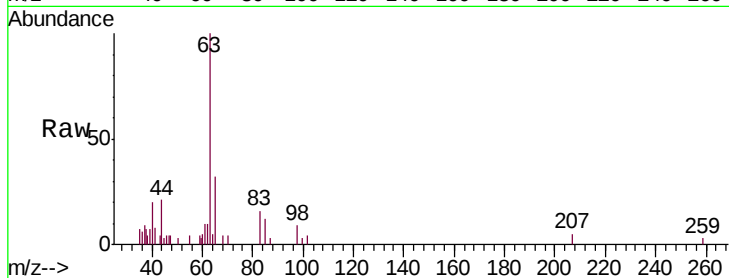
Tgt Ion: 63 Resp: 7847

Ion Ratio Lower Upper

63 100

65 32.0 22.7 42.1

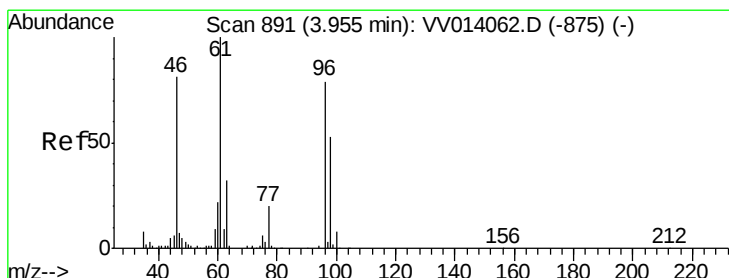
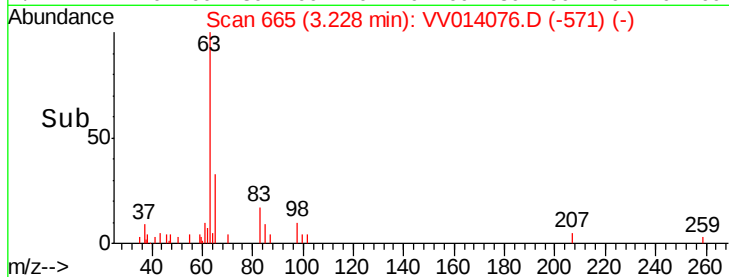
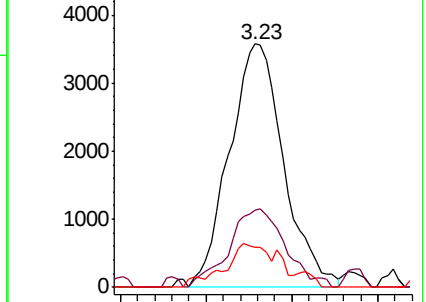
83 16.4 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV014076.D (-571) (-)

Ion 65.10 (64.80 to 65.80): VV014076.D (-571) (-)

Ion 83.05 (82.75 to 83.75): VV014076.D (-571) (-)



#22

cis-1,2-Dichloroethene

Concen: 10.017 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

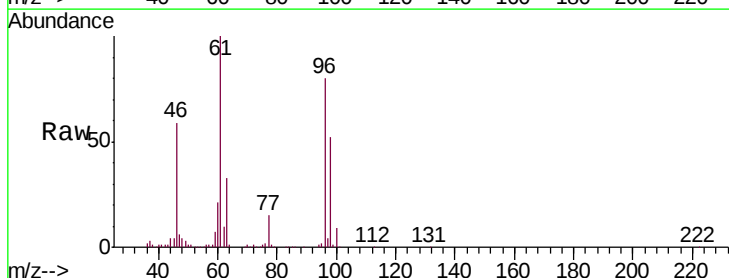
Tgt Ion: 96 Resp: 228185

Ion Ratio Lower Upper

96 100

61 124.9 86.1 159.9

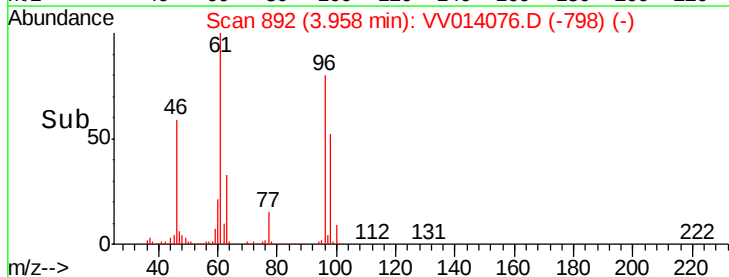
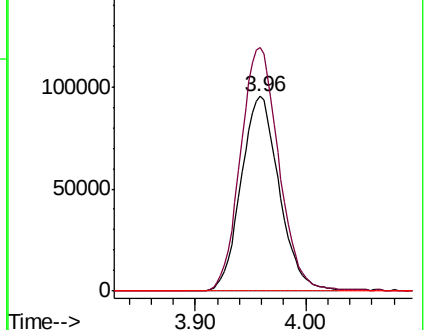
68 0.0 0.0 0.0

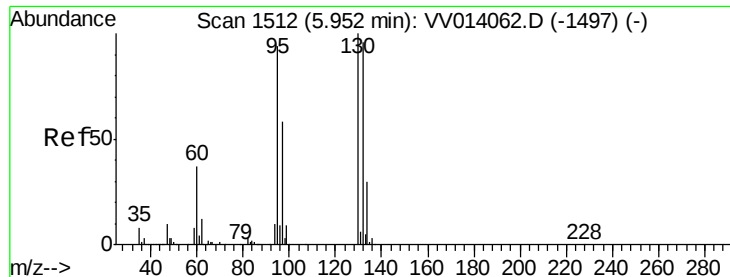


Abundance Ion 96.00 (95.70 to 96.70): VV014076.D (-798) (-)

Ion 61.05 (60.75 to 61.75): VV014076.D (-798) (-)

Ion 68.15 (67.85 to 68.85): VV014076.D (-798) (-)





#34

Trichloroethene

Concen: 52.407 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

BFD2

Tgt Ion: 95 Resp: 1279659

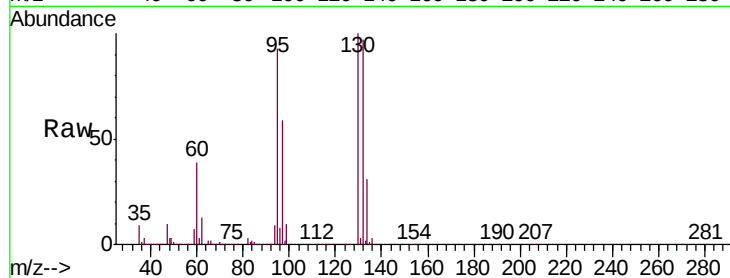
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.8

132 105.1 70.5 130.9

130 108.0 75.9 140.9

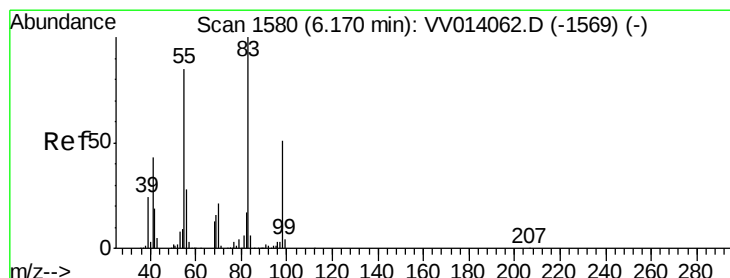
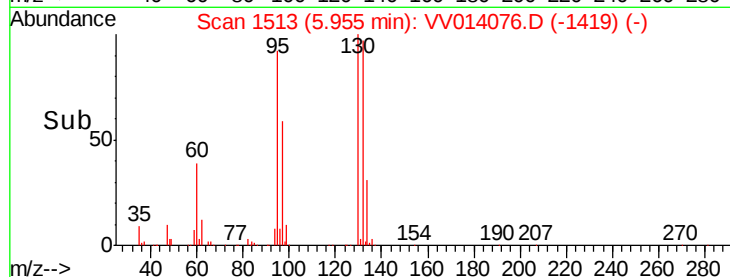
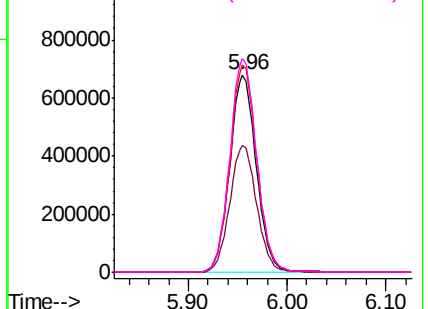


Abundance Ion 95.00 (94.70 to 95.70): VV014076.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV014076.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV014076.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV014076.D (-1497) (-)



#35

Methylcyclohexane

Concen: 1.001 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

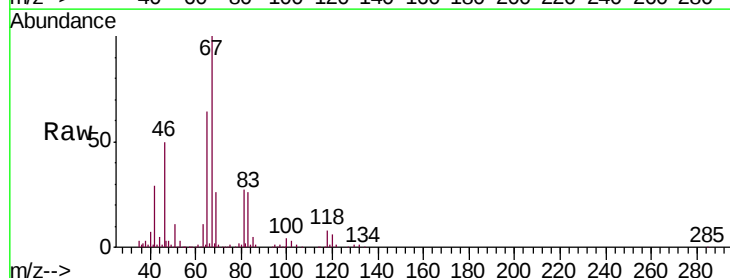
Tgt Ion: 83 Resp: 32611

Ion Ratio Lower Upper

83 100

55 1.2 60.3 90.5#

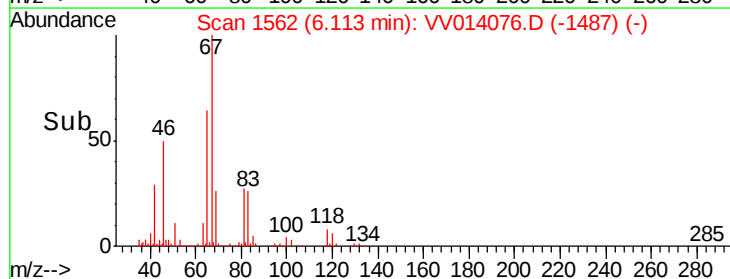
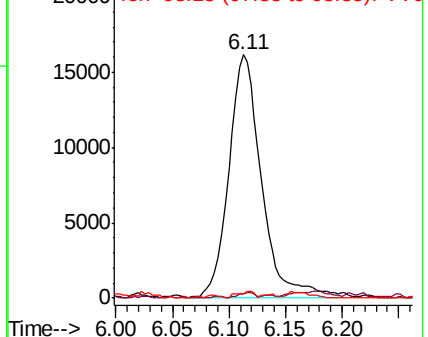
98 0.0 38.1 57.1#

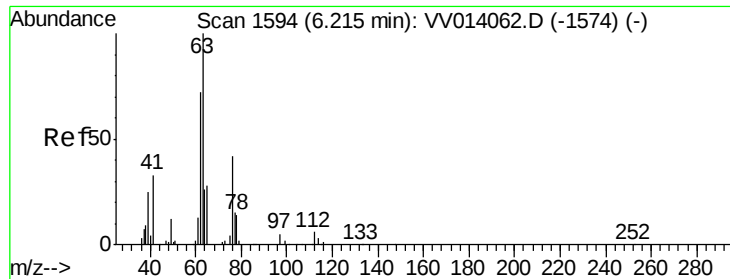


Abundance Ion 83.15 (82.85 to 83.85): VV014076.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV014076.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV014076.D (-1487) (-)

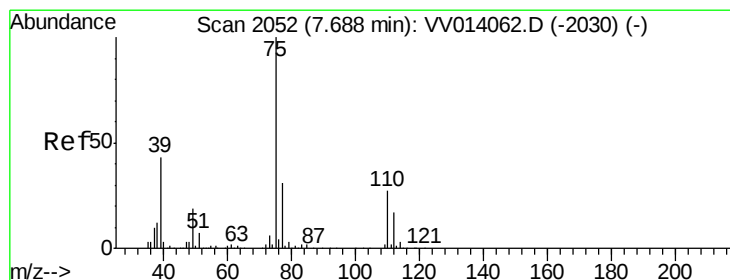
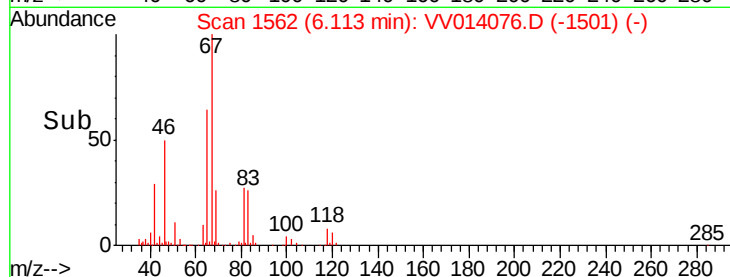
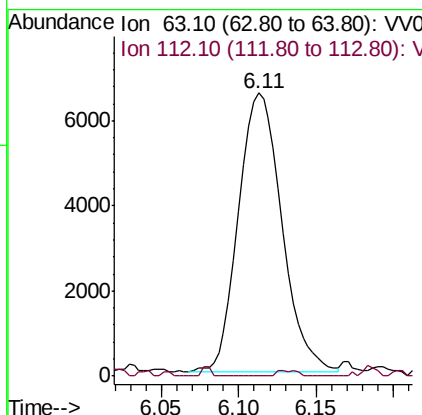
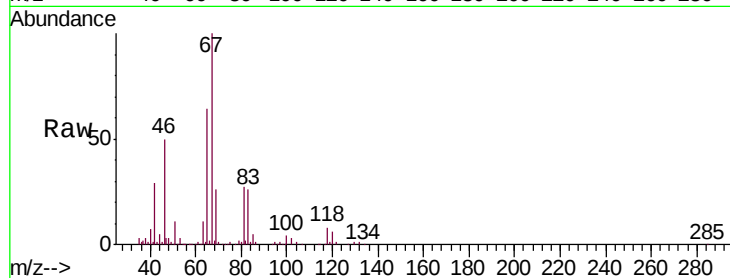




#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV014076.D
 Acq: 16 Dec 2019 16:47

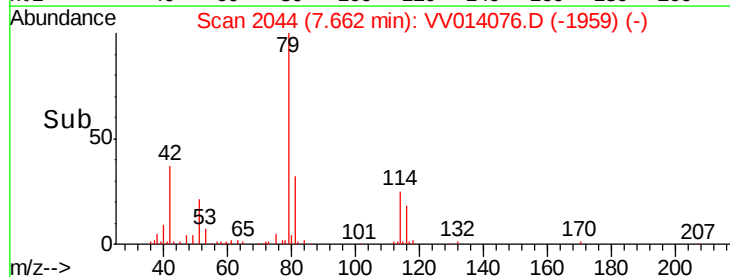
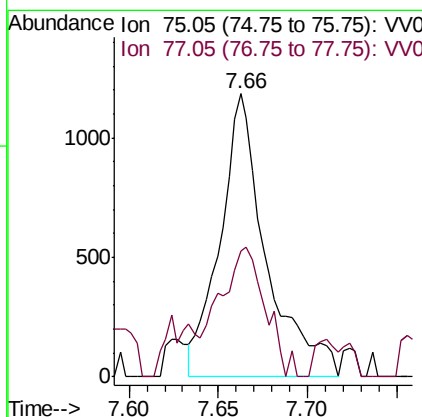
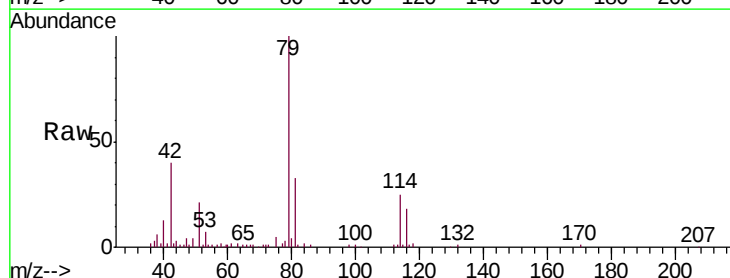
Instrument :
 MSVOA_V
 ClientSampleId :
 BFDT2

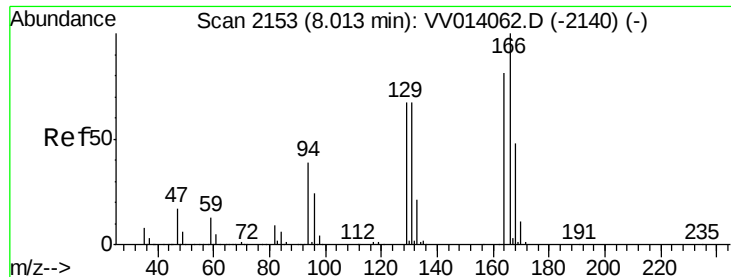
Tgt Ion: 63 Resp: 12801
 Ion Ratio Lower Upper
 63 100
 112 0.9 4.4 6.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV014076.D
 Acq: 16 Dec 2019 16:47

Tgt Ion: 75 Resp: 2131
 Ion Ratio Lower Upper
 75 100
 77 44.6 23.0 42.8#





#47

Tetrachloroethene

Concen: 0.166 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

BFD2

Tgt Ion:164 Resp: 3515

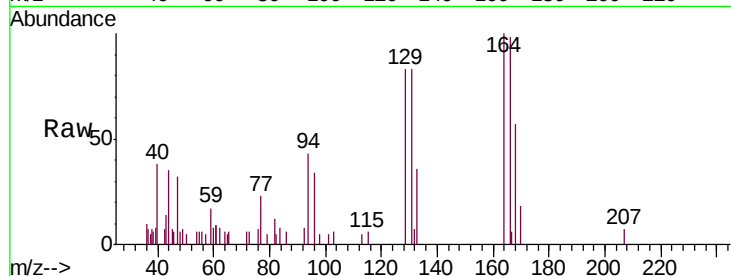
Ion Ratio Lower Upper

164 100

129 83.0 60.3 112.1

131 82.7 59.9 111.3

166 98.1 89.1 165.5

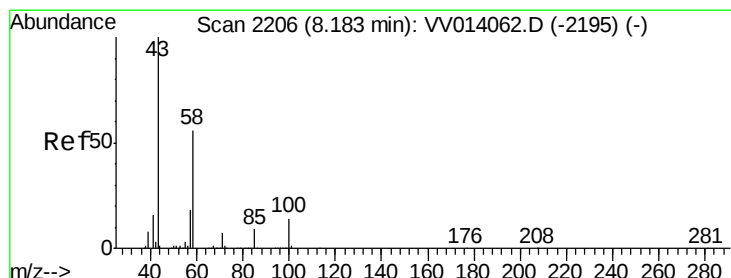
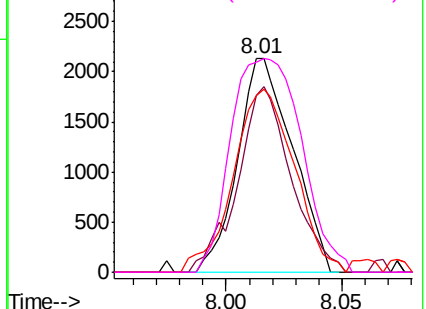
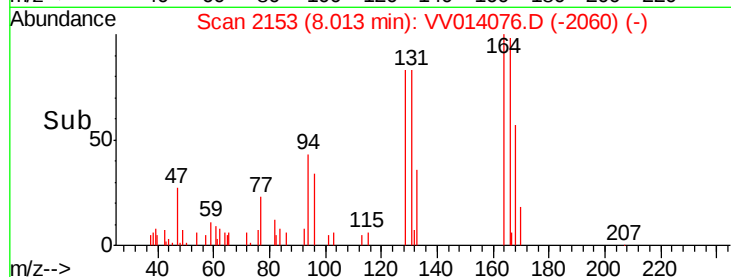


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.416 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Tgt Ion: 43 Resp: 32370

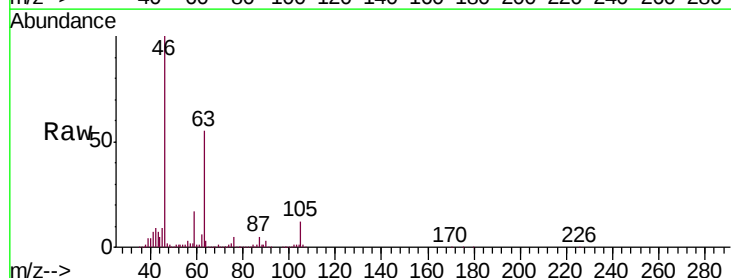
Ion Ratio Lower Upper

43 100

58 46.1 43.2 64.8

57 35.8 15.4 23.2#

100 5.1 10.4 15.6#

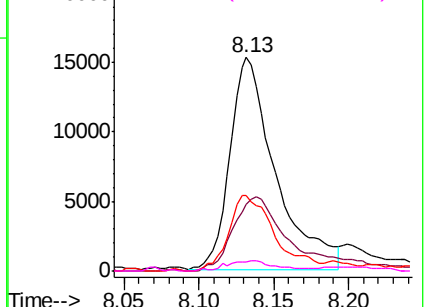
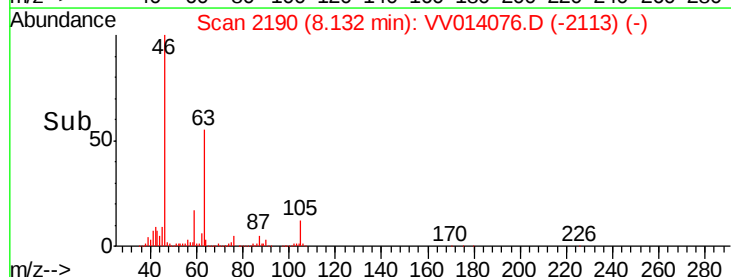


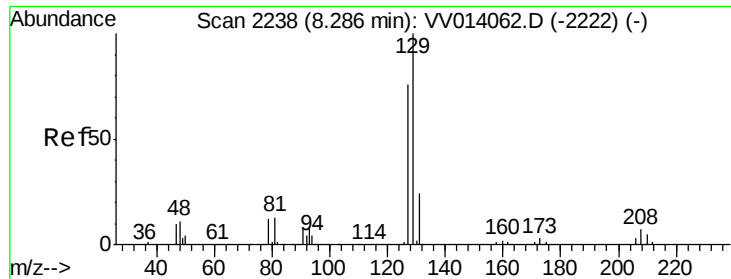
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.137 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV014076.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

BFD2

Tgt Ion:129 Resp: 2857

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#

