

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019340.D
 Acq On : 06 Nov 2020 14:36
 Operator : JC/MD
 Sample : L4662-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-278-280

Quant Time: Nov 07 01:03:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	296282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	524309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	490030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	206956	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	5.46	113	161925	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.70	98	634802	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.12	95	245654	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	

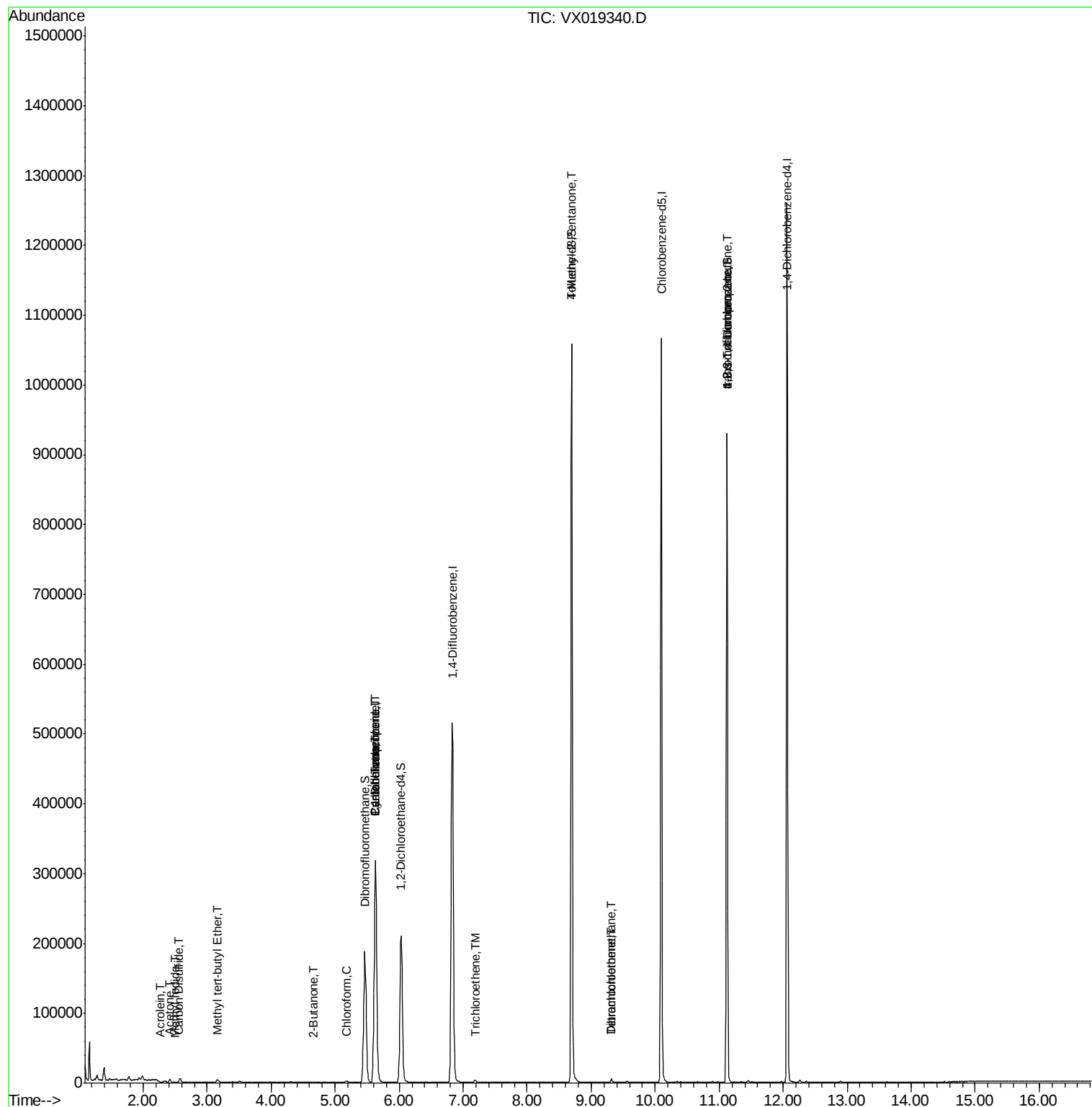
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	99	6.405	ug/l #	39
13) Acrolein	2.27	56	60	5.822	ug/l #	16
16) Acetone	2.42	43	4341	3.293	ug/l	90
17) Carbon Disulfide	2.56	76	748	0.850	ug/l #	75
19) Methyl tert-butyl Ether	3.16	73	3923	0.394	ug/l #	79
25) 2-Butanone	4.66	43	1596	0.768	ug/l #	82
30) Chloroform	5.18	83	2780	0.482	ug/l	94
31) Cyclohexane	5.63	56	6660	1.379	ug/l #	12
36) 1,1-Dichloropropene	5.63	75	24189	4.996	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31002	6.282	ug/l #	17
44) Trichloroethene	7.19	130	1496	0.381	ug/l	94
51) 4-Methyl-2-Pentanone	8.70	43	2757	0.637	ug/l #	1
60) Dibromochloromethane	9.32	129	988	0.261	ug/l #	11
64) Tetrachloroethene	9.32	164	912	0.244	ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	127080	24.933	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	127080	65.650	ug/l #	12

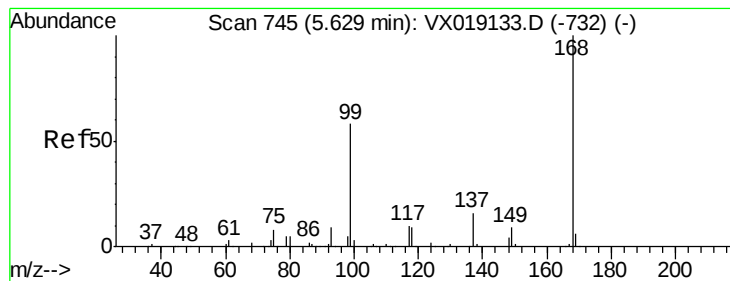
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

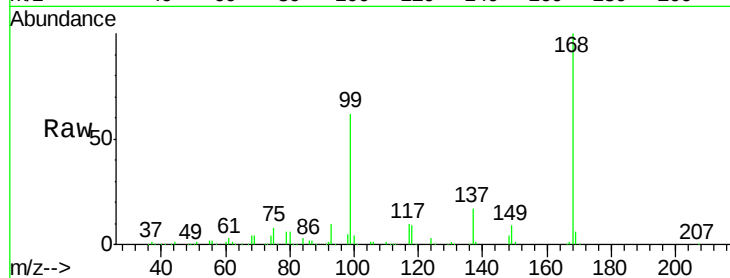
BP-VPB178-GW-278-280

Tot Ion:168 Resp: 296282

Ion Ratio Lower Upper

168 100

99 61.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

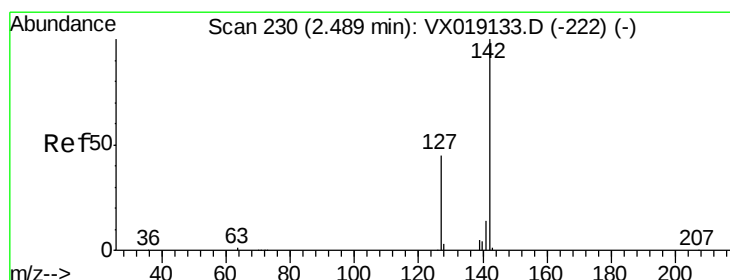
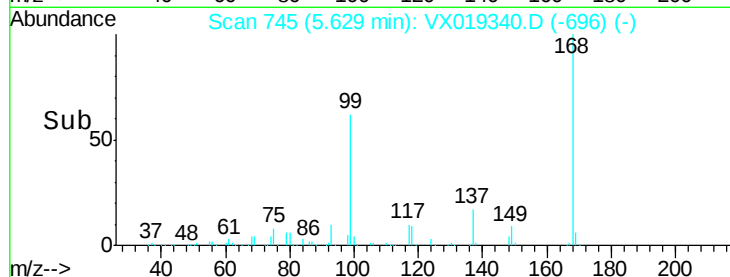
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.405 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

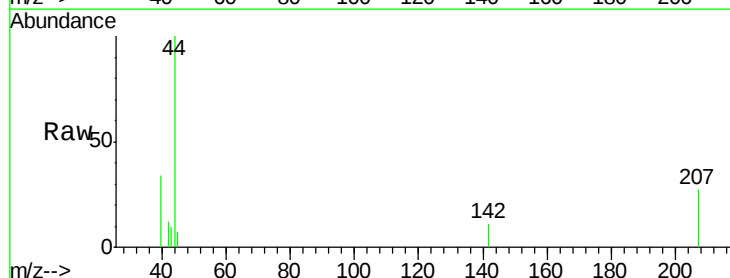
Tgt Ion:142 Resp: 99

Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

80

60

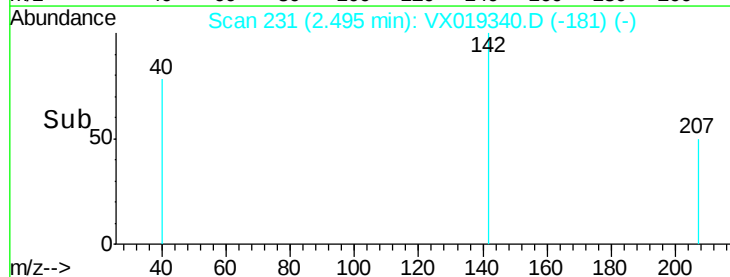
40

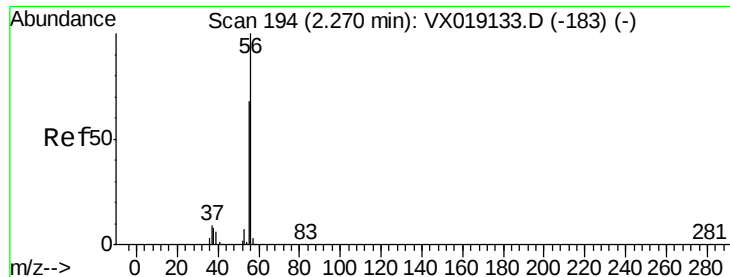
20

0

Time-->

2.46 2.48 2.50 2.52





#13

Acrolein

Concen: 5.822 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

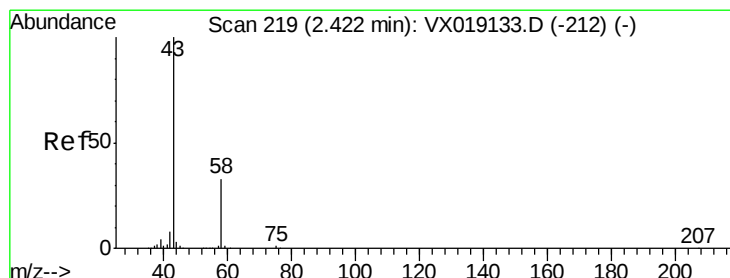
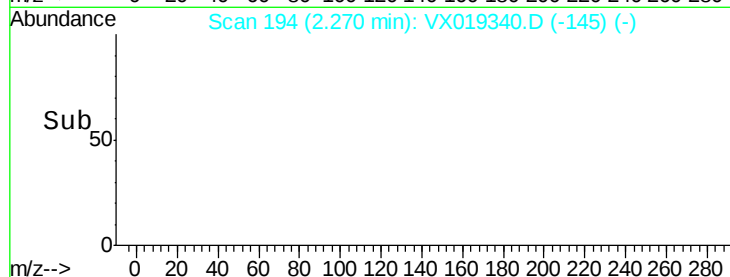
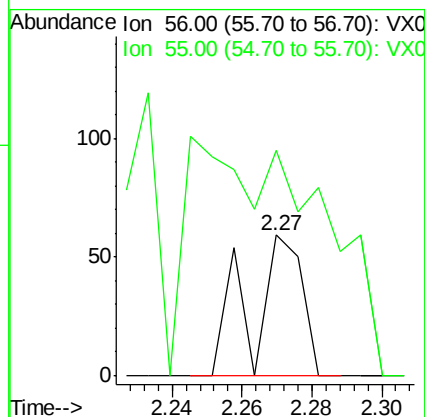
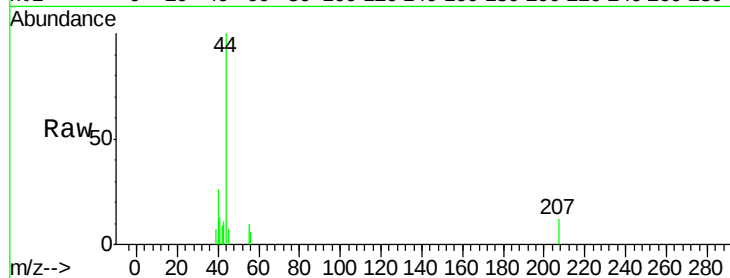
BP-VPB178-GW-278-280

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 3.293 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019340.D

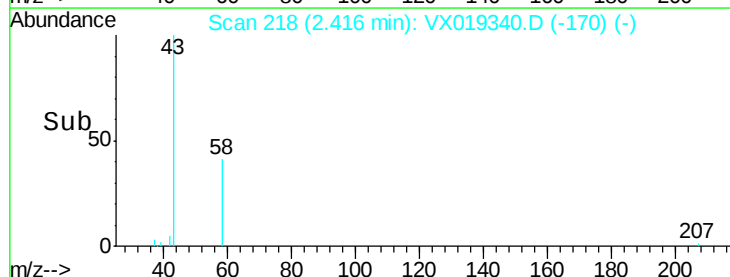
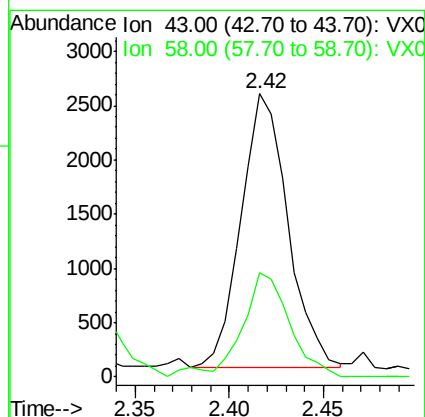
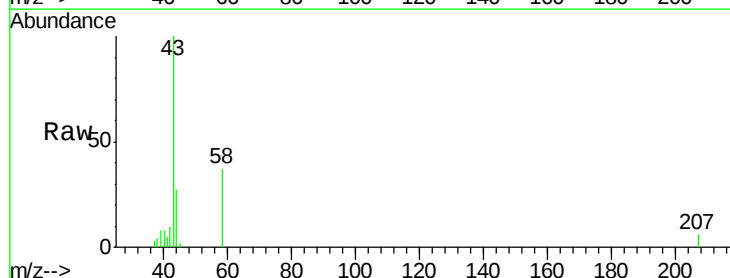
Acq: 06 Nov 2020 14:36

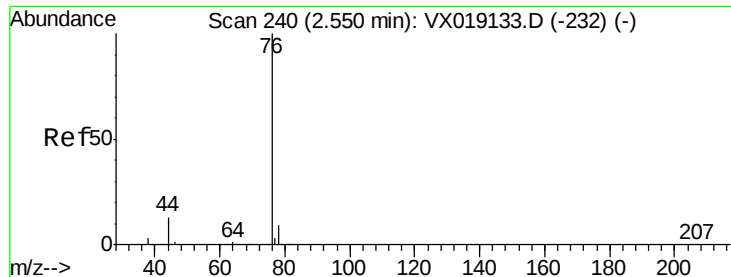
Tgt Ion: 43 Resp: 4341

Ion Ratio Lower Upper

43 100

58 38.3 26.3 39.5





#17

Carbon Disulfide

Concen: 0.850 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

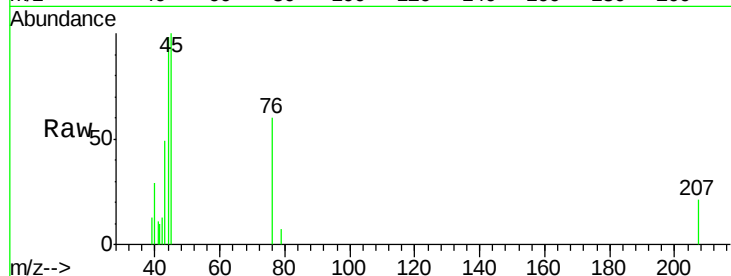
BP-VPB178-GW-278-280

Tot Ion: 76 Resp: 748

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

450

400

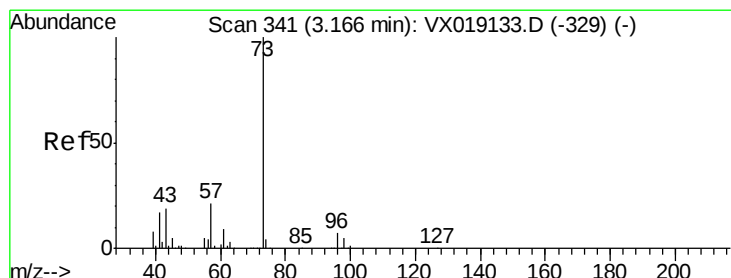
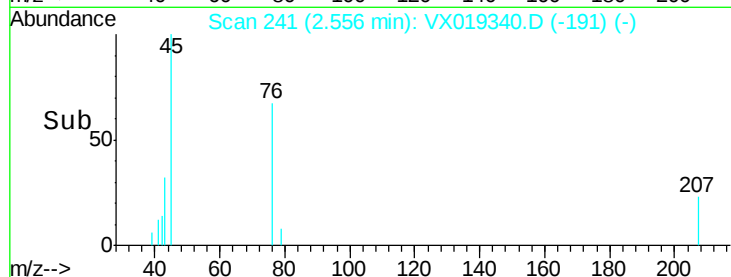
300

200

100

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 0.394 ug/l

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX019340.D

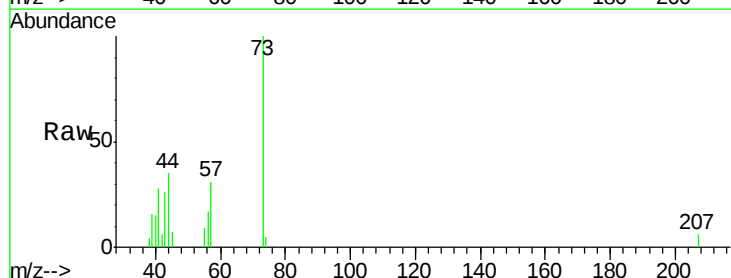
Acq: 06 Nov 2020 14:36

Tgt Ion: 73 Resp: 3923

Ion Ratio Lower Upper

73 100

57 30.6 16.6 25.0#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.16

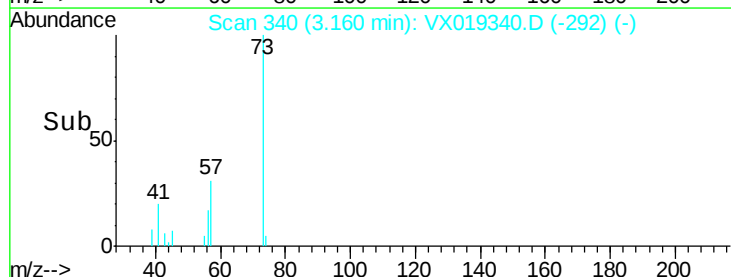
1500

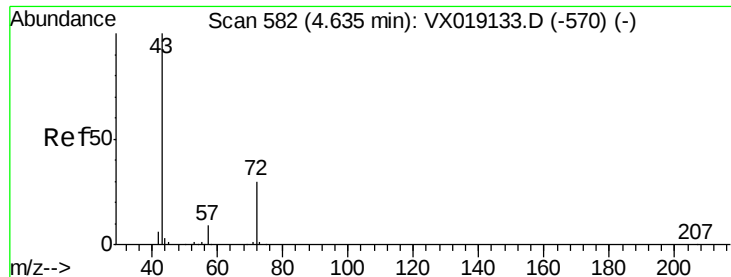
1000

500

0

Time-->





#25

2-Butanone

Concen: 0.768 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

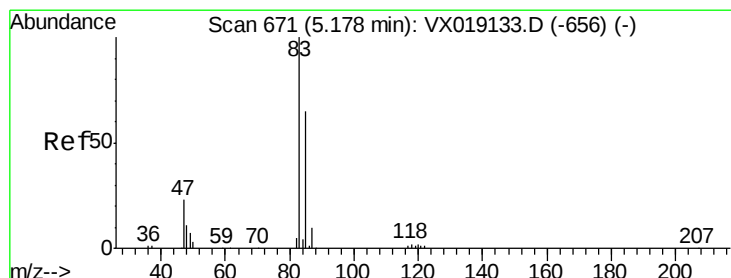
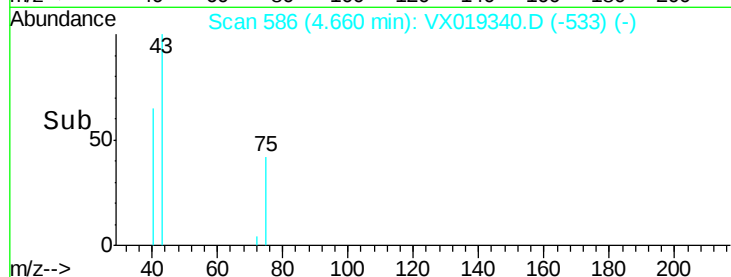
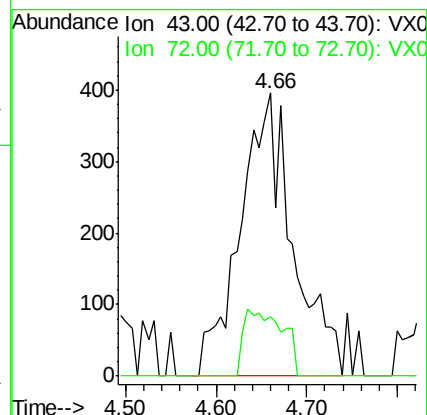
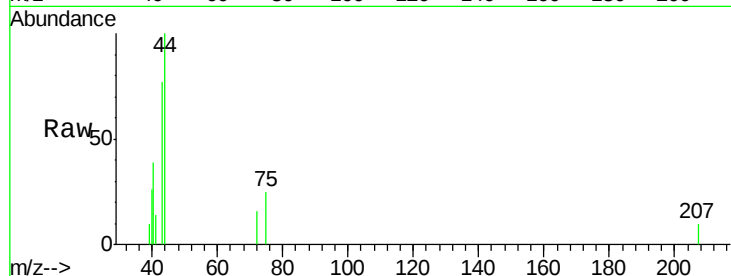
BP-VPB178-GW-278-280

Tot Ion: 43 Resp: 1596

Ion Ratio Lower Upper

43 100

72 21.0 24.6 36.8#



#30

Chloroform

Concen: 0.482 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX019340.D

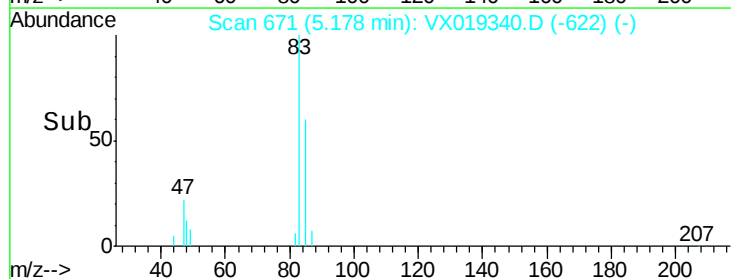
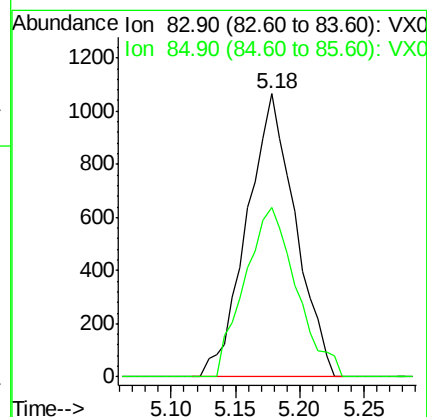
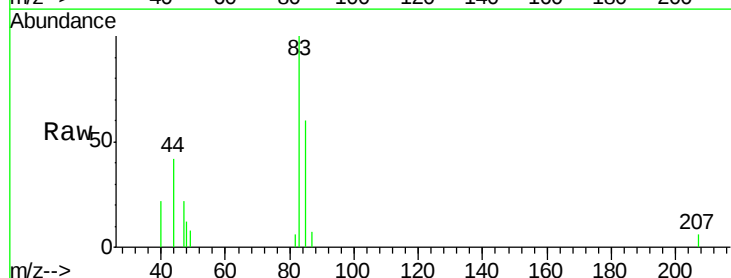
Acq: 06 Nov 2020 14:36

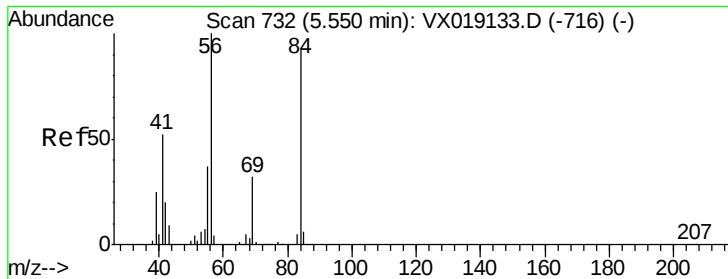
Tgt Ion: 83 Resp: 2780

Ion Ratio Lower Upper

83 100

85 60.0 51.9 77.9





#31

Cyclohexane

Concen: 1.379 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-278-280

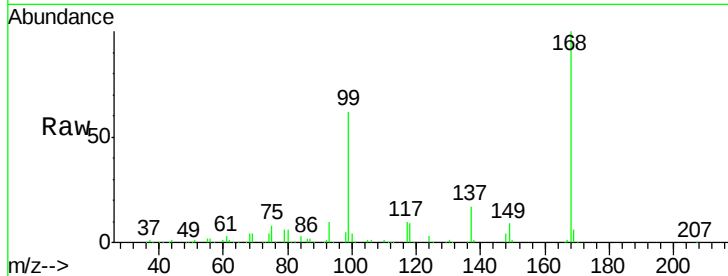
Tot Ion: 56 Resp: 6660

Ion Ratio Lower Upper

56 100

69 164.2 25.9 38.9#

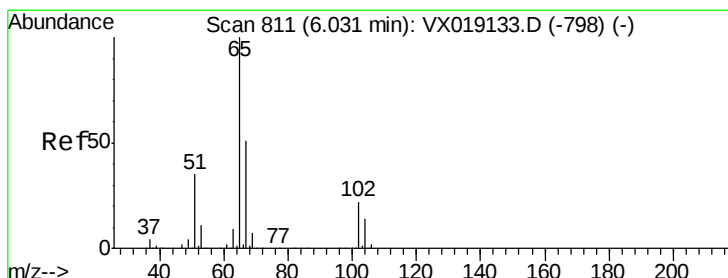
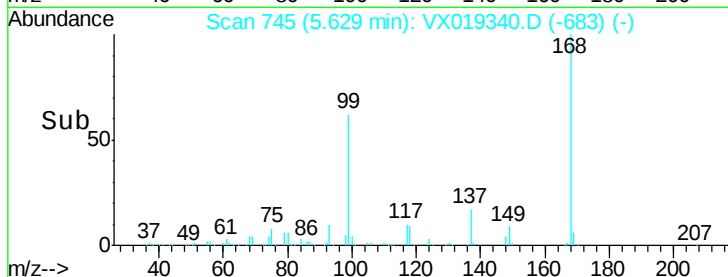
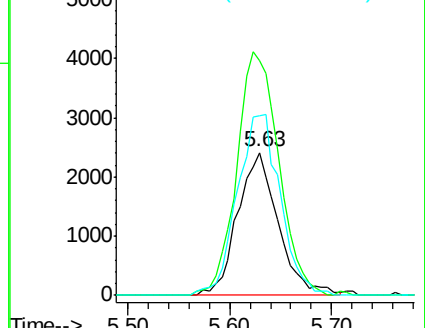
84 125.6 73.4 110.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.164 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019340.D

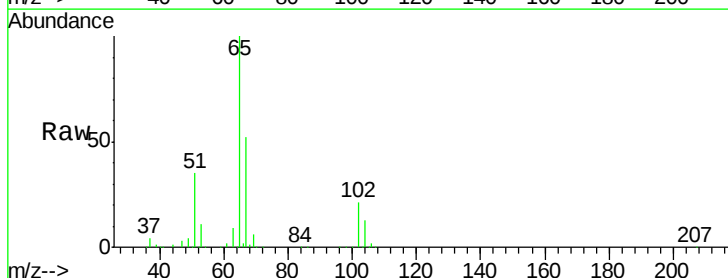
Acq: 06 Nov 2020 14:36

Tgt Ion: 65 Resp: 206956

Ion Ratio Lower Upper

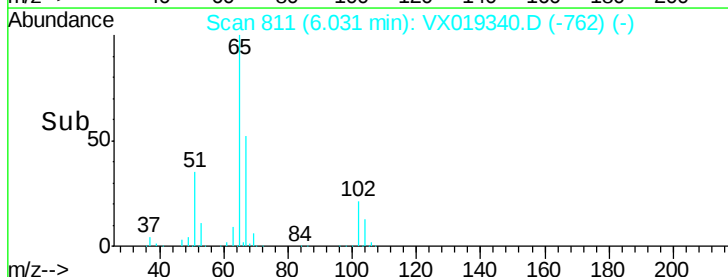
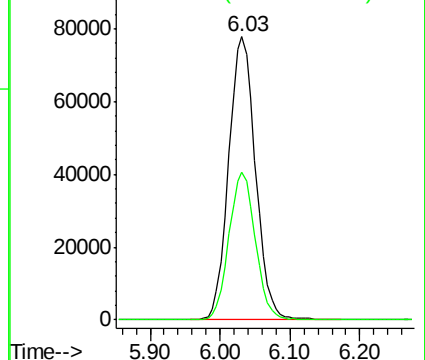
65 100

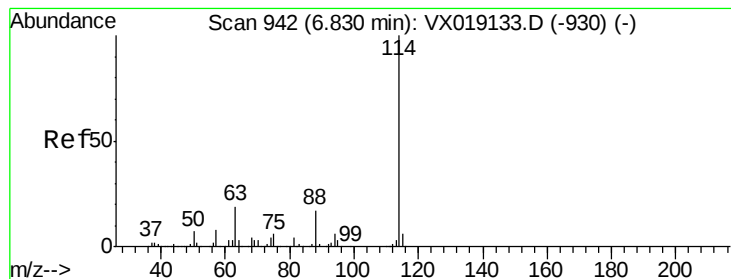
67 51.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

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BP-VPB178-GW-278-280

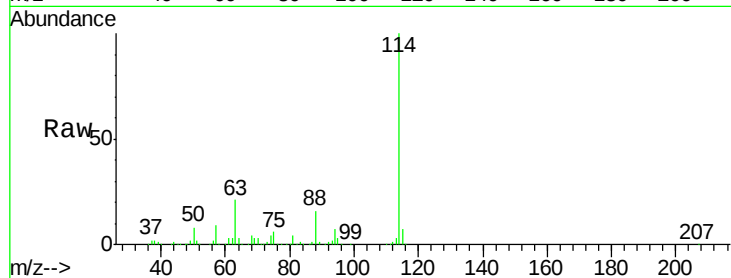
Tot Ion:114 Resp: 524309

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

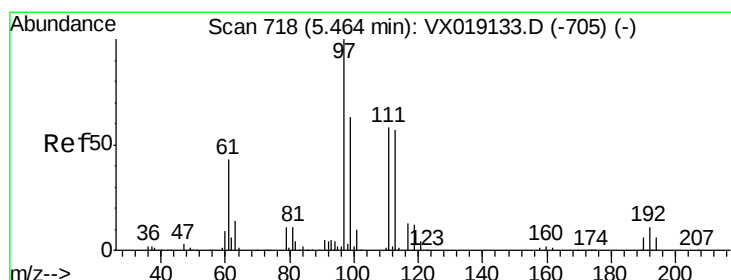
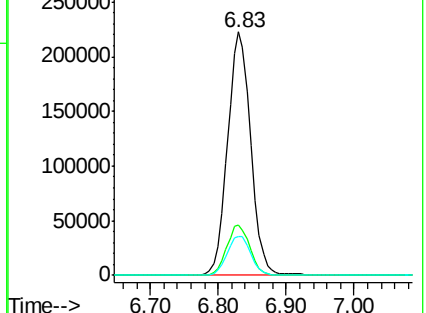
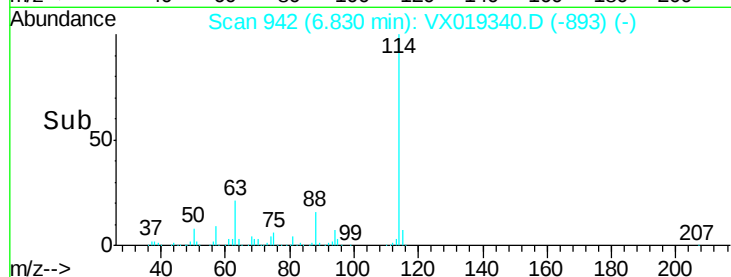
88 16.1 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.167 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

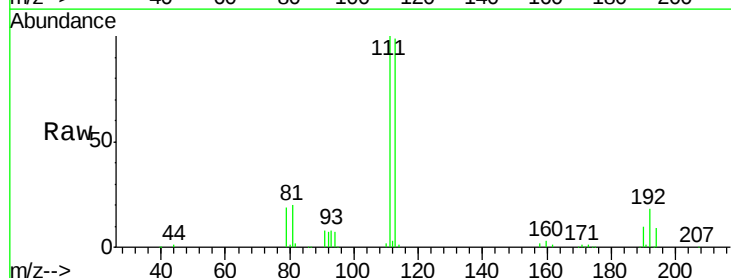
Tgt Ion:113 Resp: 161925

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

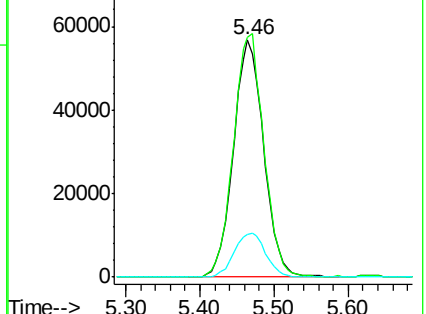
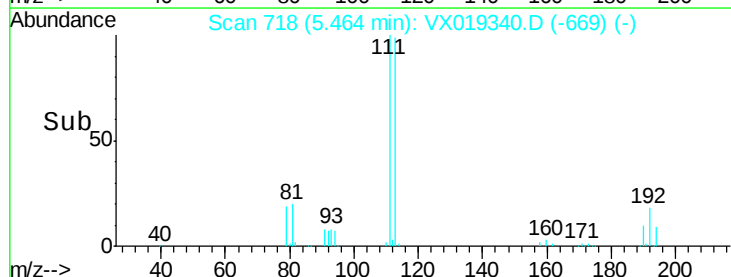
192 19.4 16.2 24.2

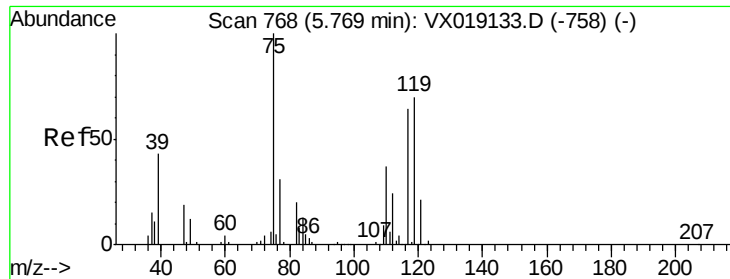


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

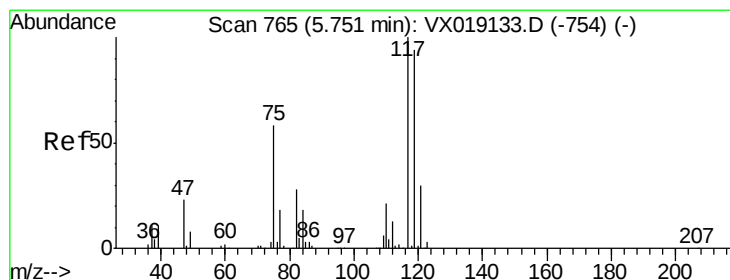
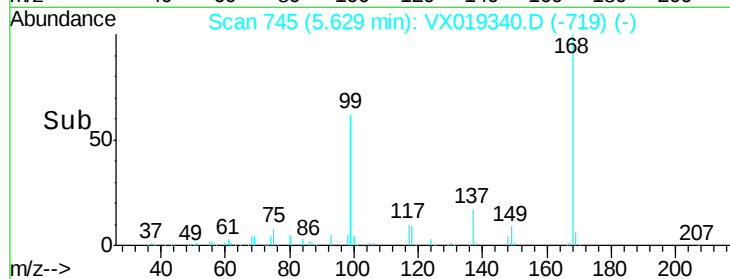
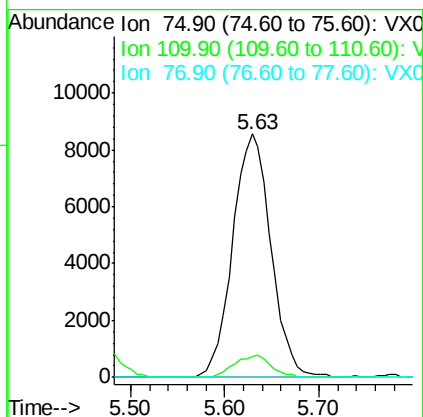
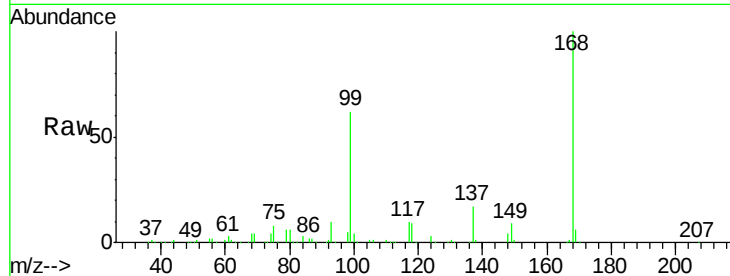




#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019340.D
 Acq: 06 Nov 2020 14:36

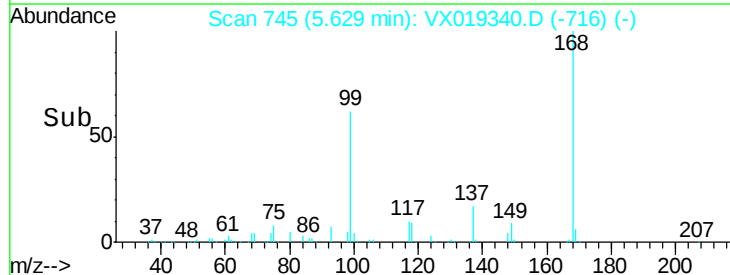
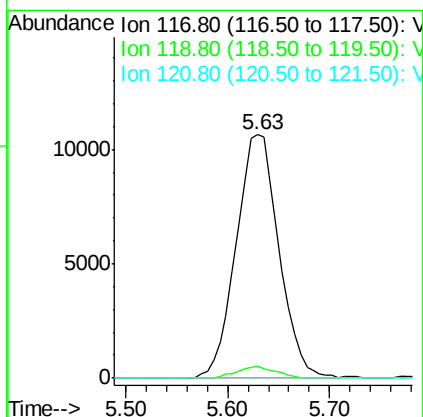
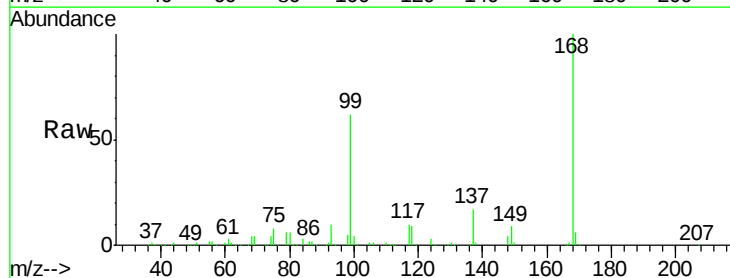
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-278-280

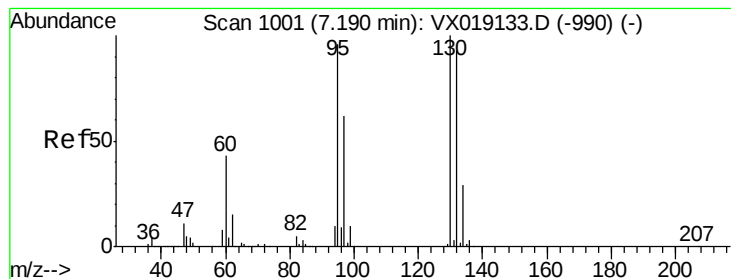
Tot Ion: 75 Resp: 24189
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.282 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019340.D
 Acq: 06 Nov 2020 14:36

Tgt Ion:117 Resp: 31002
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.0 112.6#
 121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 0.381 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

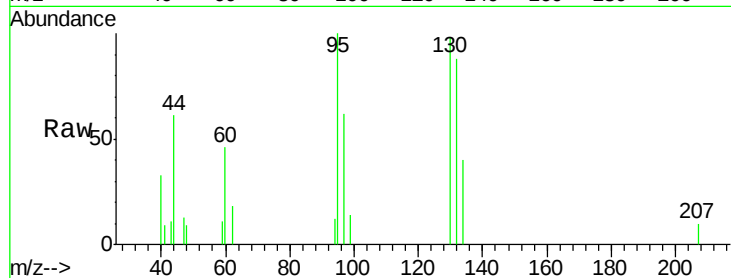
BP-VPB178-GW-278-280

Tot Ion:130 Resp: 1496

Ion Ratio Lower Upper

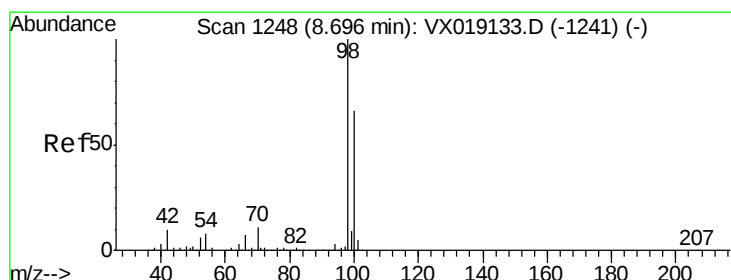
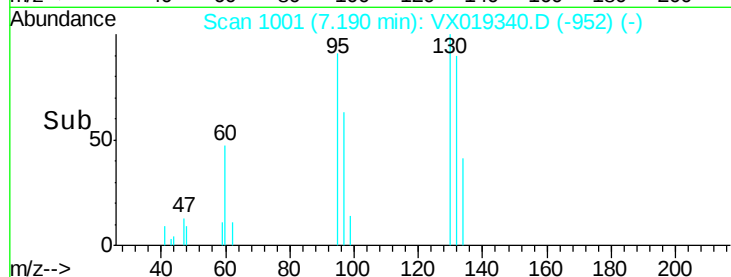
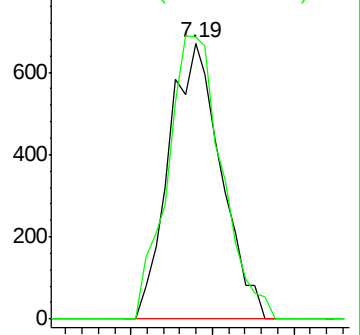
130 100

95 102.1 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.132 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019340.D

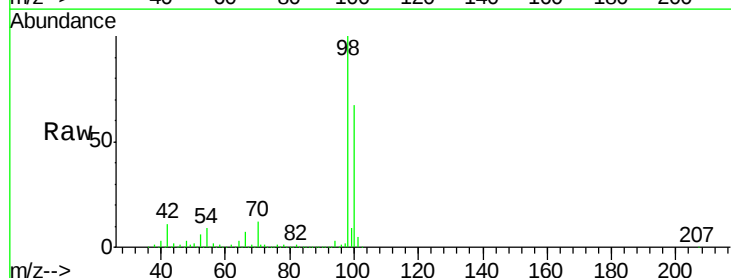
Acq: 06 Nov 2020 14:36

Tgt Ion: 98 Resp: 634802

Ion Ratio Lower Upper

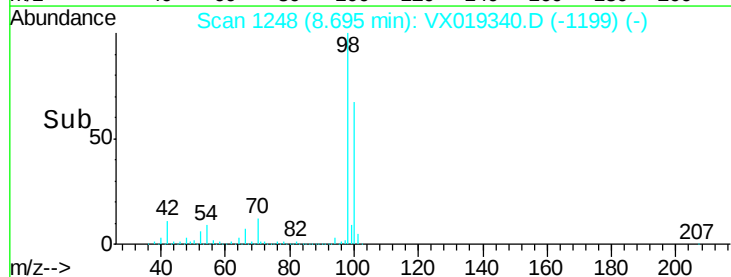
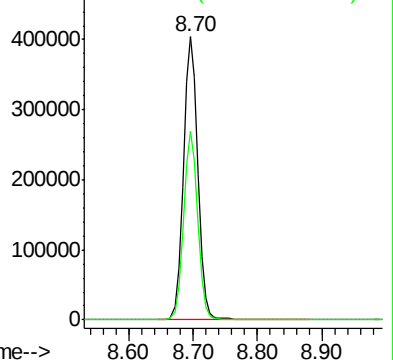
98 100

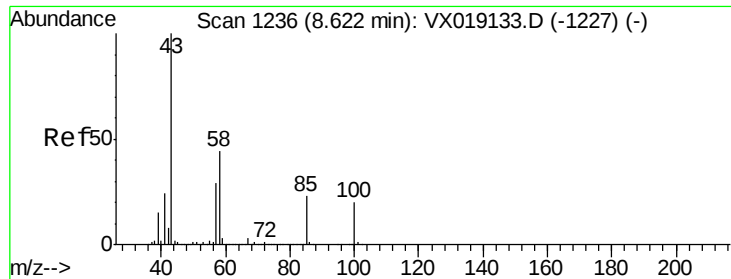
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.637 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

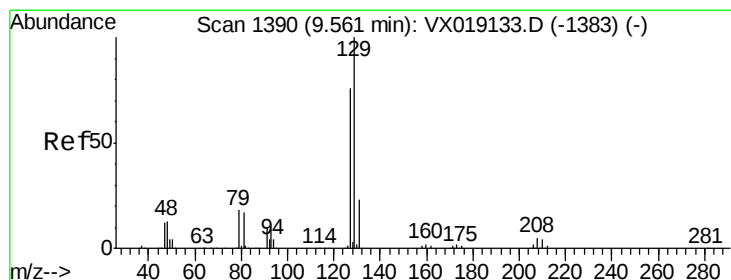
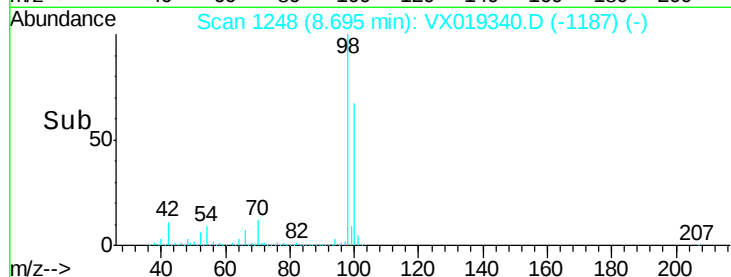
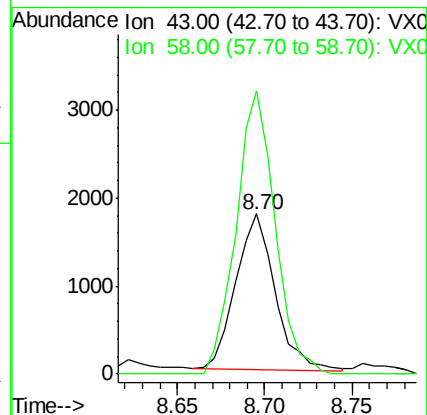
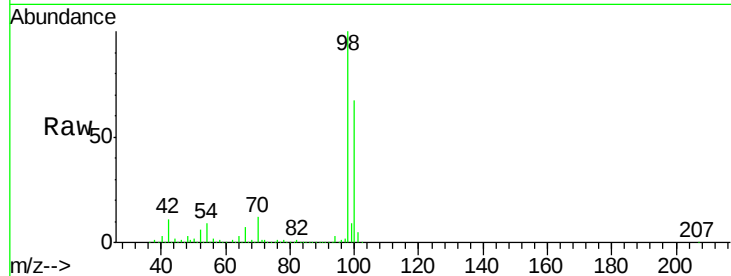
BP-VPB178-GW-278-280

Tot Ion: 43 Resp: 2757

Ion Ratio Lower Upper

43 100

58 180.9 35.0 52.4#



#60

Dibromochloromethane

Concen: 0.261 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019340.D

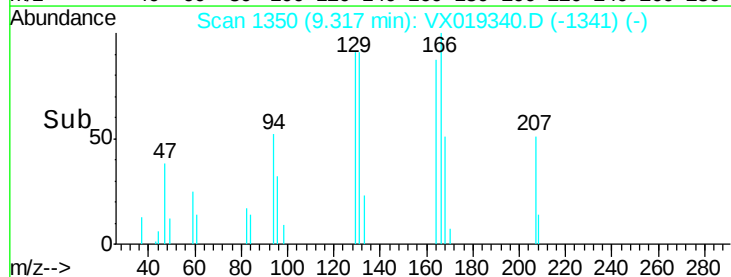
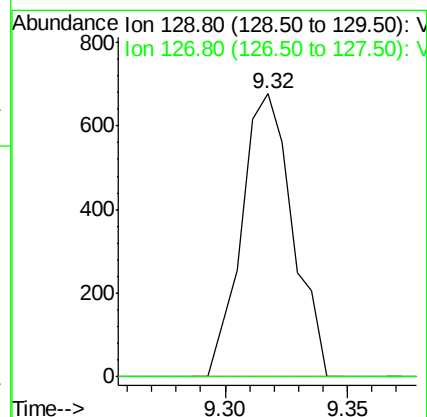
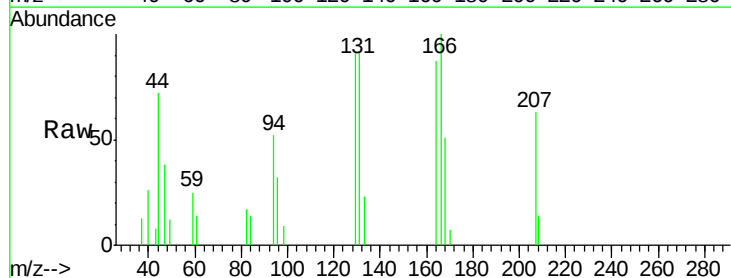
Acq: 06 Nov 2020 14:36

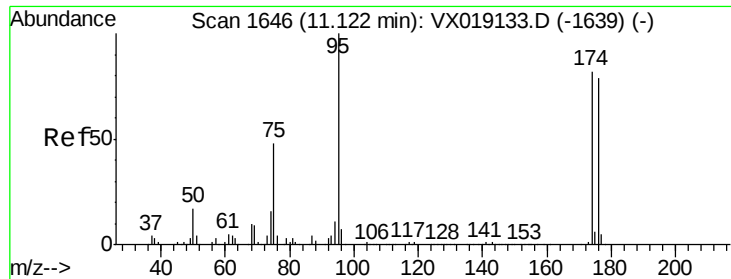
Tgt Ion: 129 Resp: 988

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 52.249 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-278-280

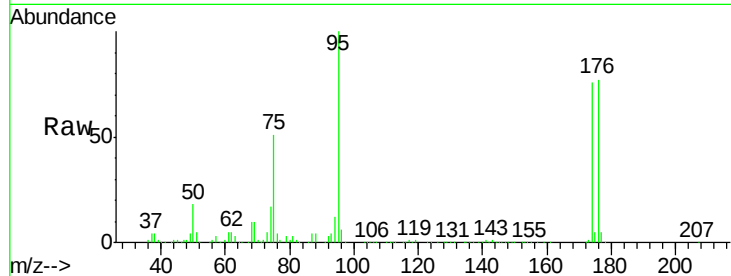
Tot Ion: 95 Resp: 245654

Ion Ratio Lower Upper

95 100

174 75.3 0.0 156.0

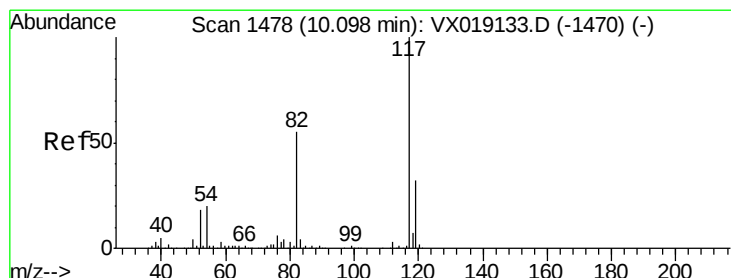
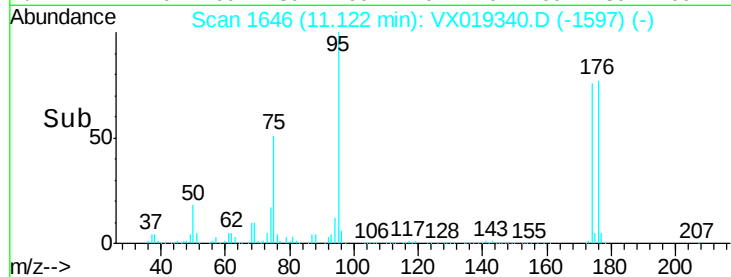
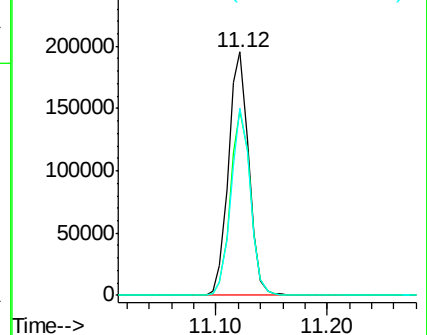
176 73.7 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

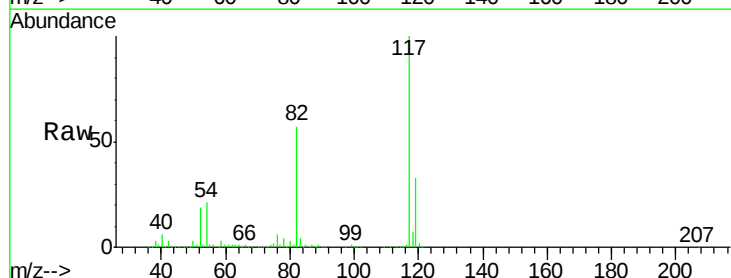
Tgt Ion: 117 Resp: 490030

Ion Ratio Lower Upper

117 100

82 56.7 43.6 65.4

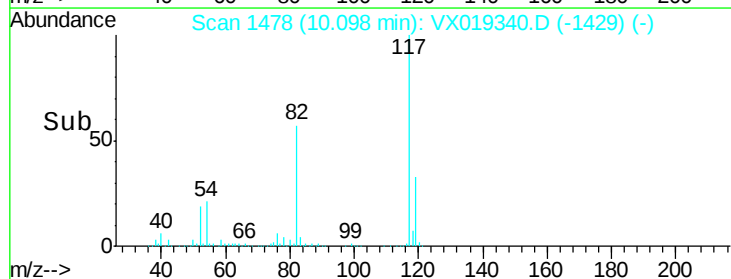
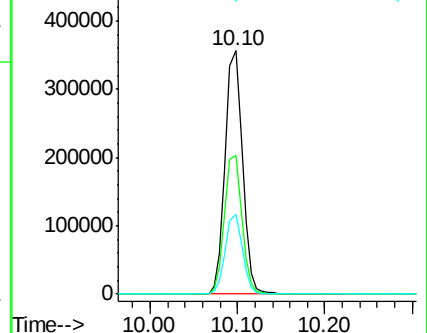
119 32.9 25.5 38.3

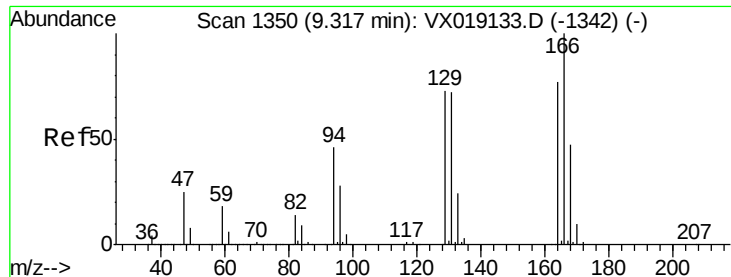


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.244 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-278-280

Tot Ion:164 Resp: 912

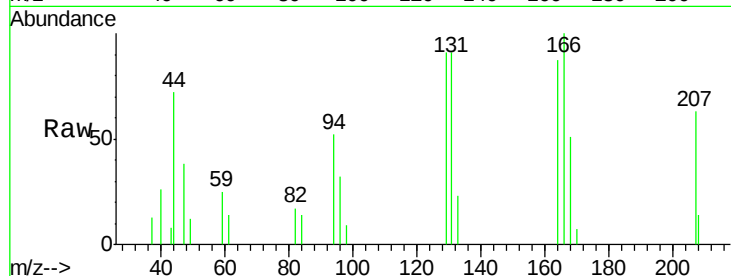
Ion Ratio Lower Upper

164 100

166 115.4 104.1 156.1

129 104.5 76.2 114.4

131 104.6 74.6 112.0

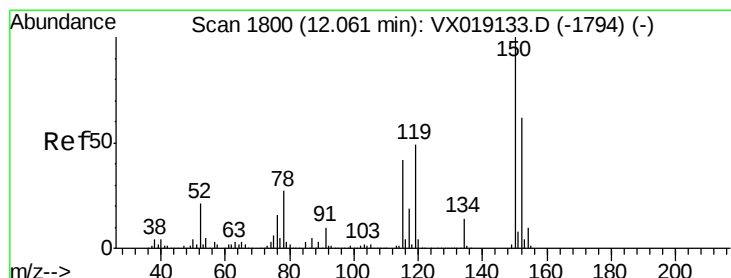
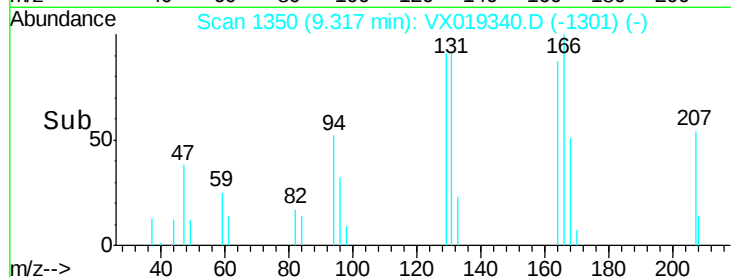
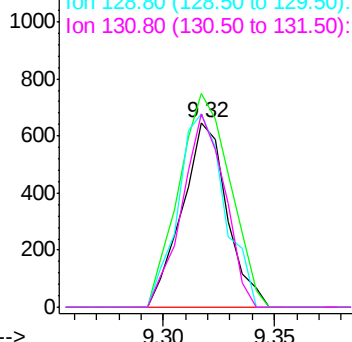


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

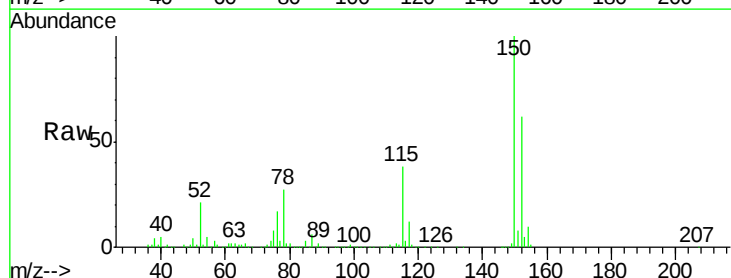
Tgt Ion:152 Resp: 246842

Ion Ratio Lower Upper

152 100

115 61.2 41.9 125.7

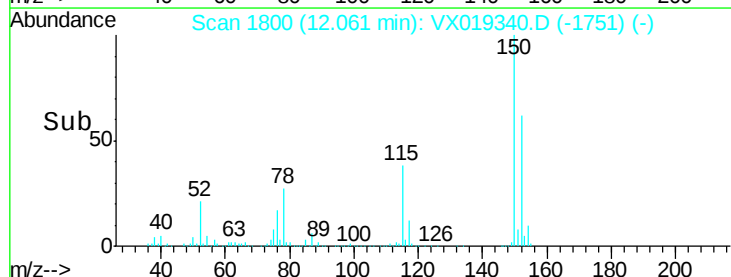
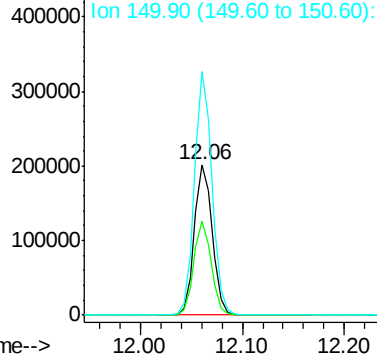
150 157.5 0.0 347.8

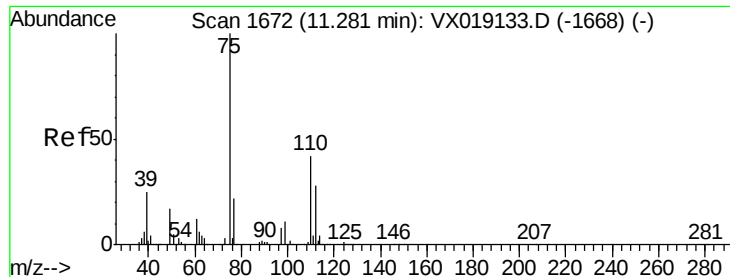


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.933 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

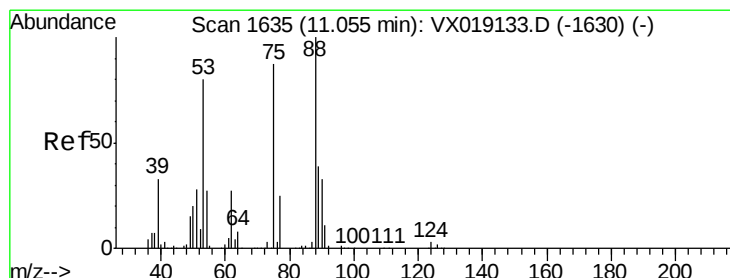
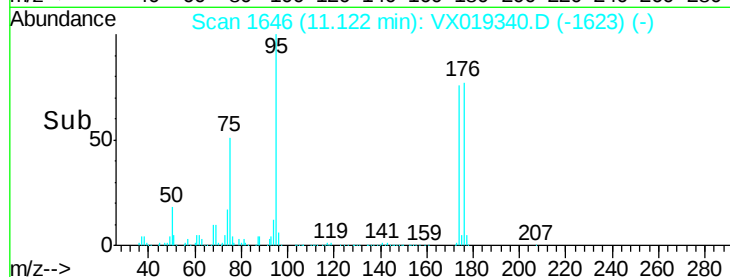
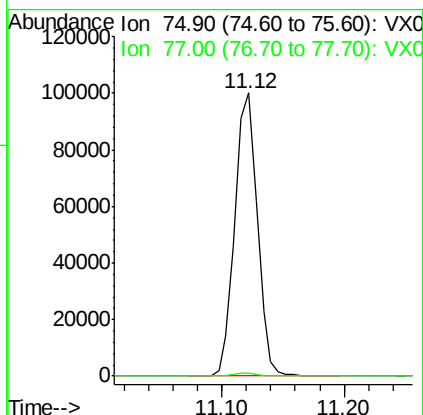
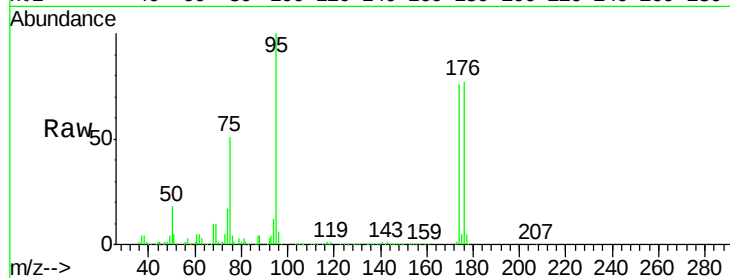
BP-VPB178-GW-278-280

Tot Ion: 75 Resp: 127080

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.650 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019340.D

Acq: 06 Nov 2020 14:36

Tgt Ion: 75 Resp: 127080

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

