

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111920\
 Data File : VX019465.D
 Acq On : 18 Nov 2020 20:55
 Operator : JC/MD
 Sample : L4787-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-718-720

Quant Time: Nov 19 03:17:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X111920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 16:47:30 2020
 Response via : Initial Calibration

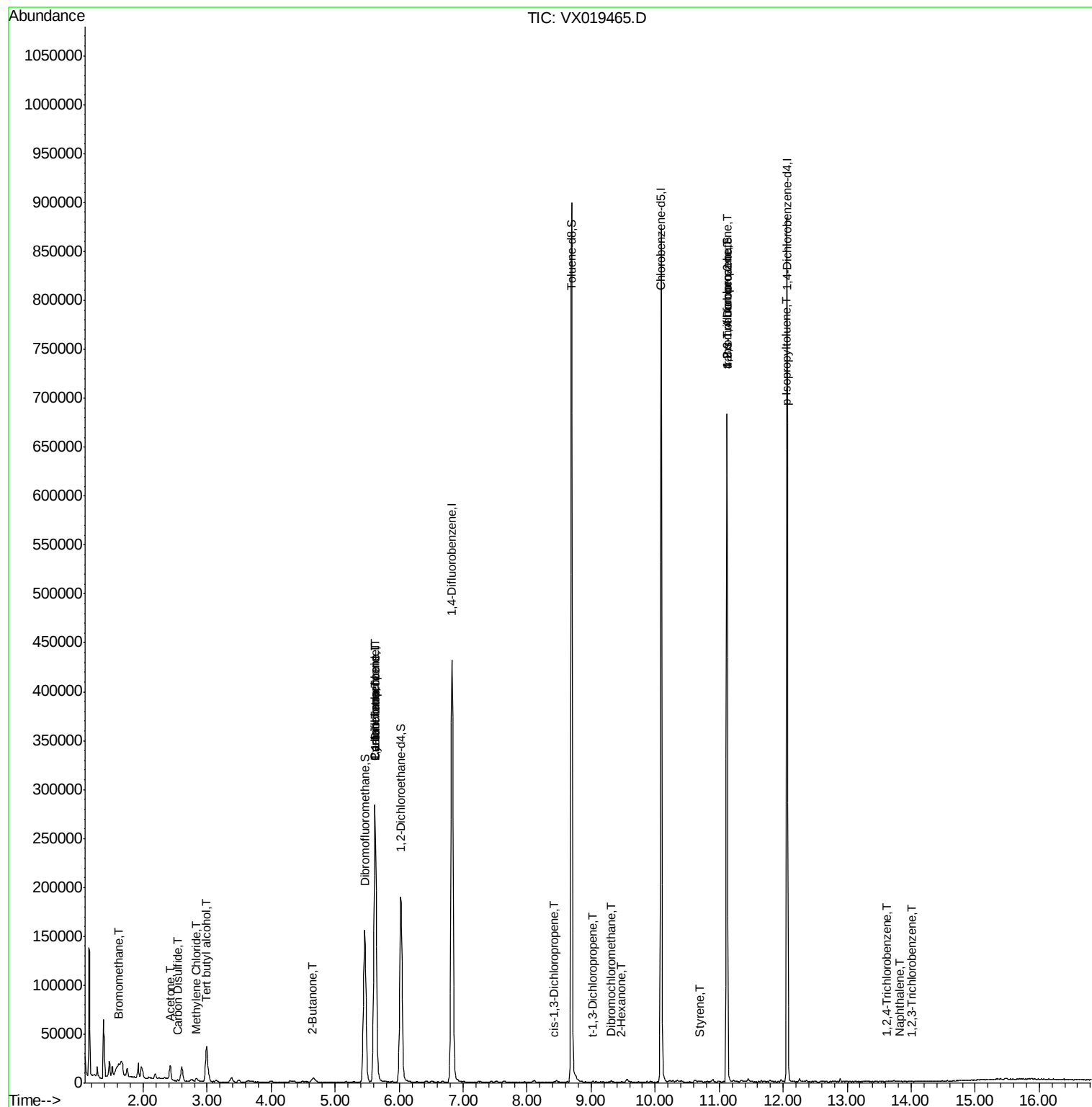
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	253936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	430631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	387166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	163540	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	185429	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.46	113	132930	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	8.70	98	528940	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.12	95	185034	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.62	94	725	0.430	ug/l #	62
6) Chloroethane	1.67	64	426	Below Cal		98
11) Tert butyl alcohol	2.99	59	24759	33.481	ug/l #	77
16) Acetone	2.42	43	14012	9.105	ug/l	95
17) Carbon Disulfide	2.54	76	1632	0.220	ug/l	97
20) Methylene Chloride	2.83	84	1380	0.396	ug/l	95
25) 2-Butanone	4.64	43	4013	1.748	ug/l #	88
31) Cyclohexane	5.63	56	6792	1.359	ug/l #	14
36) 1,1-Dichloropropene	5.63	75	22565	5.228	ug/l #	51
38) Carbon Tetrachloride	5.63	117	28091	6.598	ug/l #	17
53) t-1,3-Dichloropropene	9.02	75	69	1.839	ug/l #	43
54) cis-1,3-Dichloropropene	8.42	75	21	1.489	ug/l #	49
59) 2-Hexanone	9.47	43	793	0.240	ug/l #	44
60) Dibromochloromethane	9.32	129	128	1.657	ug/l #	11
70) Styrene	10.70	104	191	2.150	ug/l #	78
76) 1,2,3-Trichloropropane	11.12	75	98438	25.247	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	98438	66.789	ug/l #	9
86) p-Isopropyltoluene	12.05	119	342	1.635	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.63	180	237	2.820	ug/l	86
95) Naphthalene	13.82	128	577	2.360	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.01	180	159	2.484	ug/l #	79

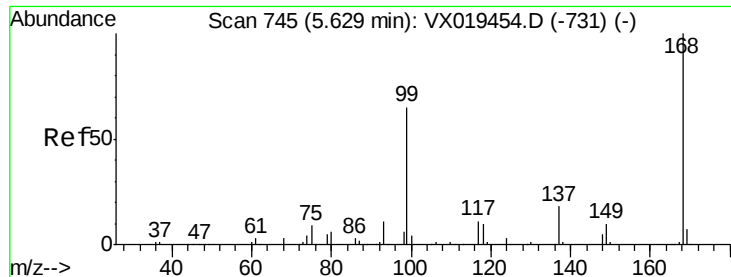
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 18 16:47:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

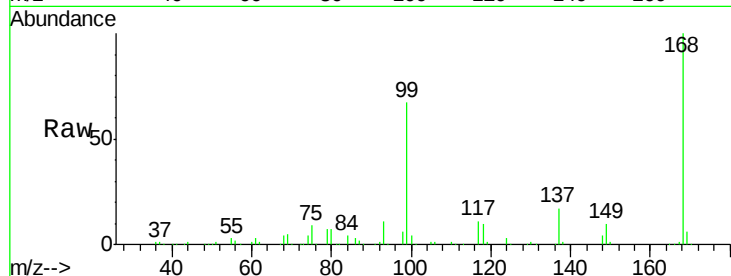
BP-VPB178-GW-718-720

Tot Ion:168 Resp: 253936

Ion Ratio Lower Upper

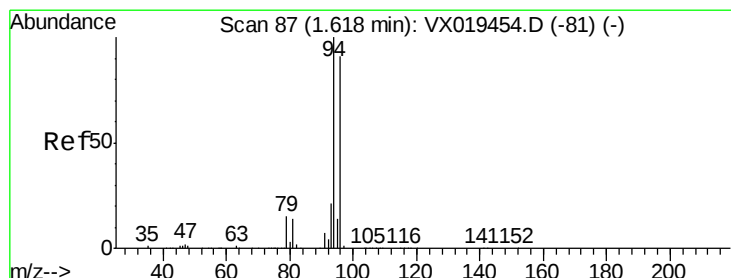
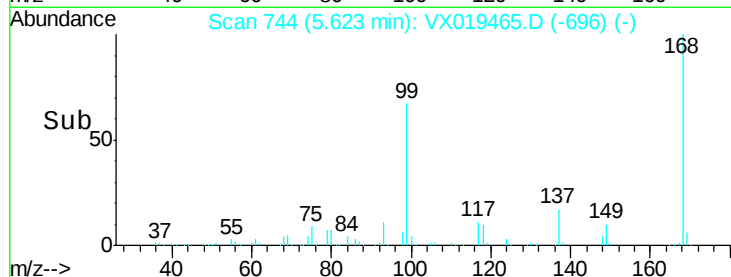
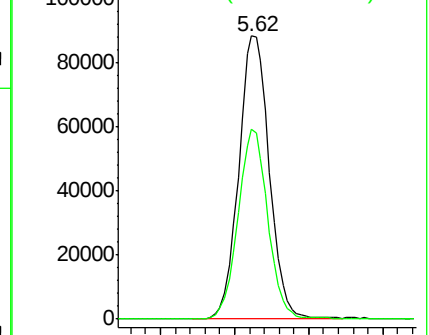
168 100

99 67.3 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.430 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019465.D

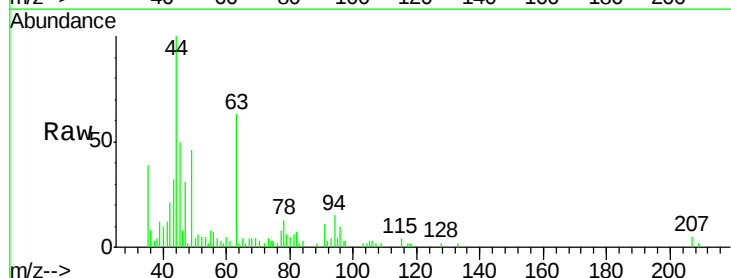
Acq: 18 Nov 2020 20:55

Tgt Ion: 94 Resp: 725

Ion Ratio Lower Upper

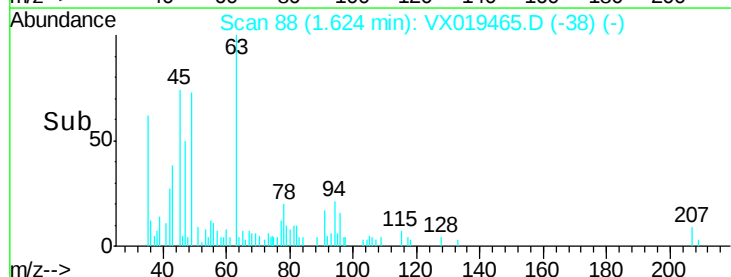
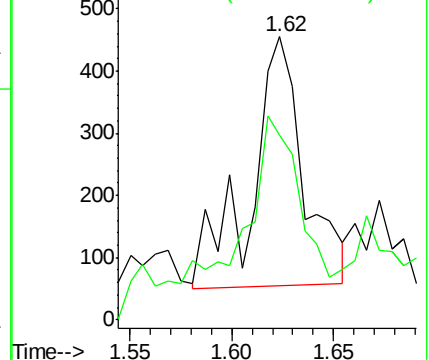
94 100

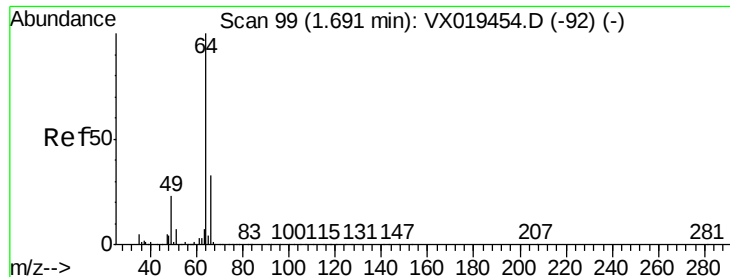
96 54.2 72.4 108.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 96

Delta R.T. -0.02 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

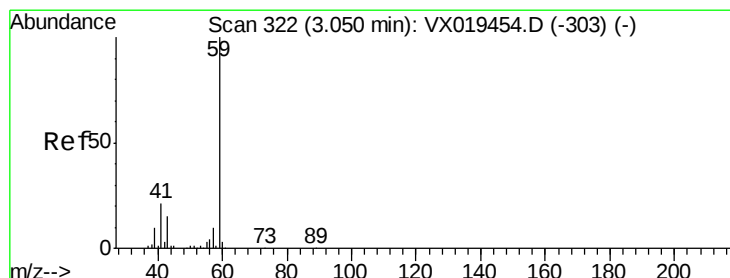
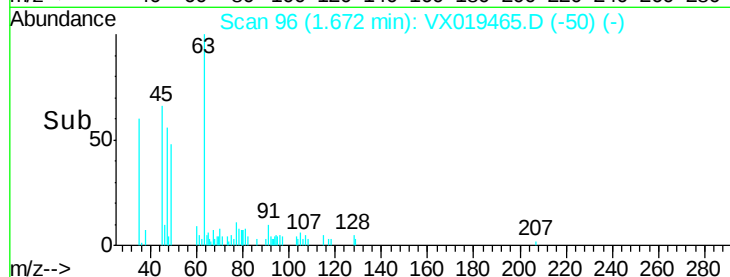
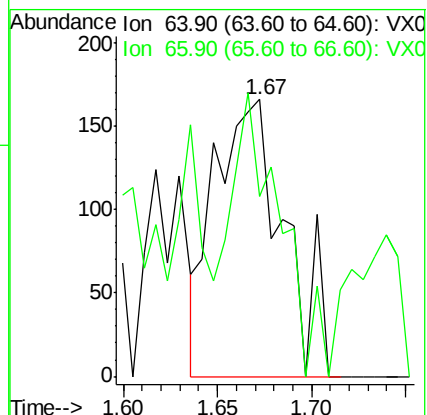
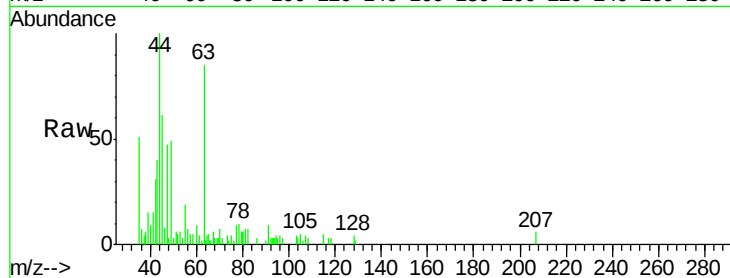
BP-VPB178-GW-718-720

Tot Ion: 64 Resp: 426

Ion Ratio Lower Upper

64 100

66 33.7 26.1 39.1



#11

Tert butyl alcohol

Concen: 33.481 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.06 min

Lab File: VX019465.D

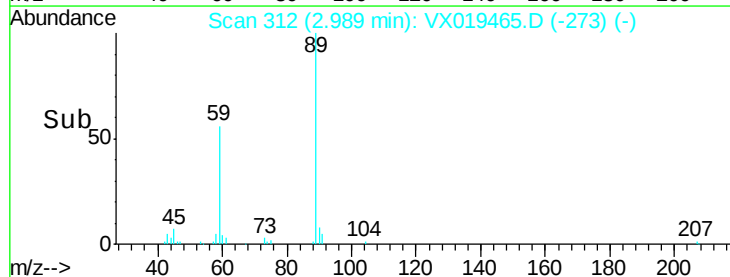
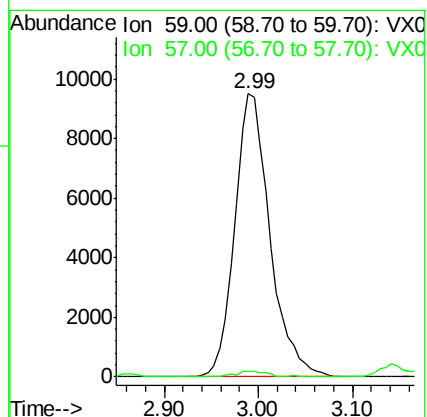
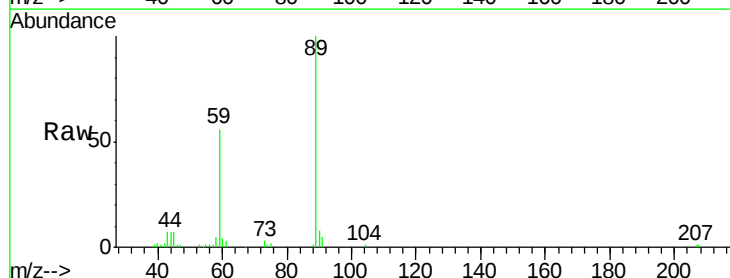
Acq: 18 Nov 2020 20:55

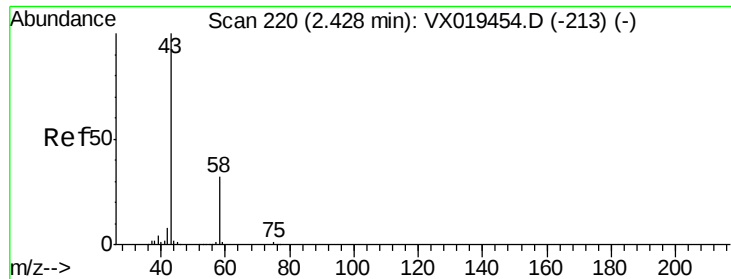
Tgt Ion: 59 Resp: 24759

Ion Ratio Lower Upper

59 100

57 1.7 8.4 12.6#





#16

Acetone

Concen: 9.105 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

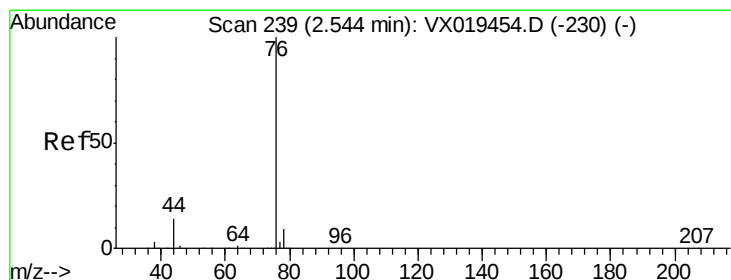
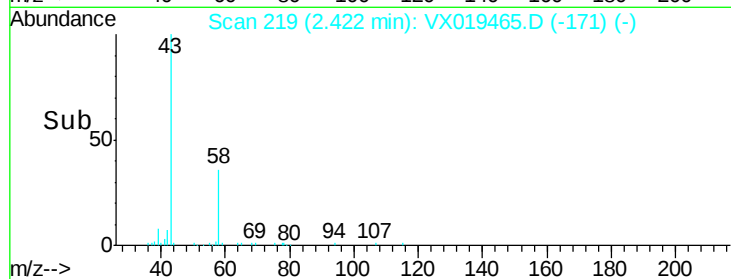
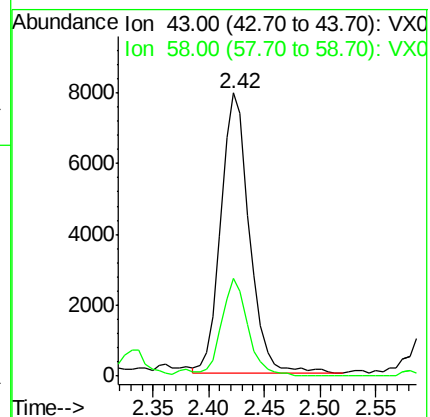
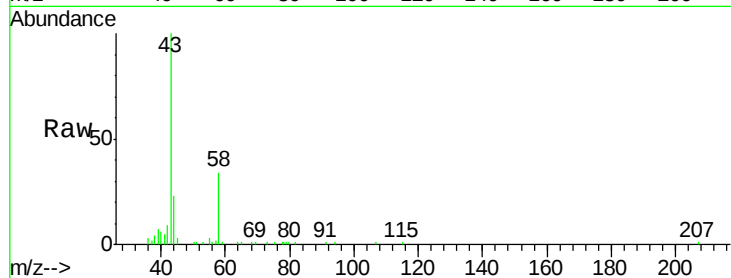
BP-VPB178-GW-718-720

Tot Ion: 43 Resp: 14012

Ion Ratio Lower Upper

43 100

58 34.7 25.4 38.0



#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VX019465.D

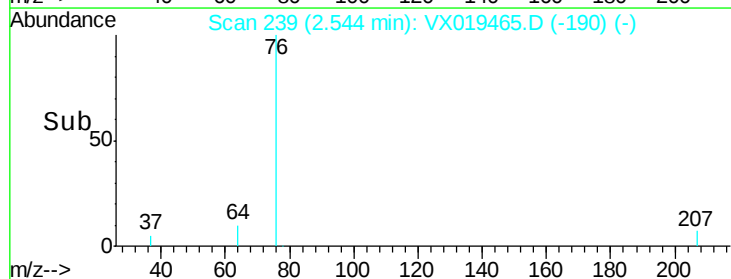
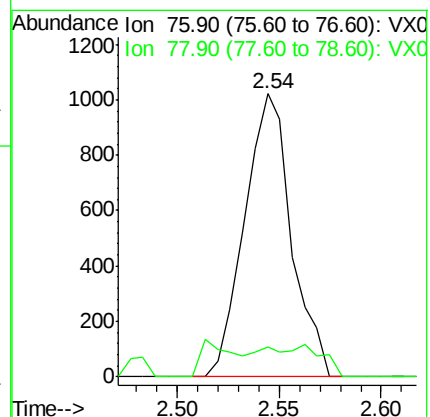
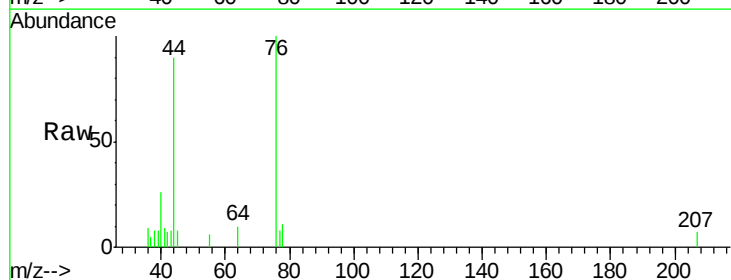
Acq: 18 Nov 2020 20:55

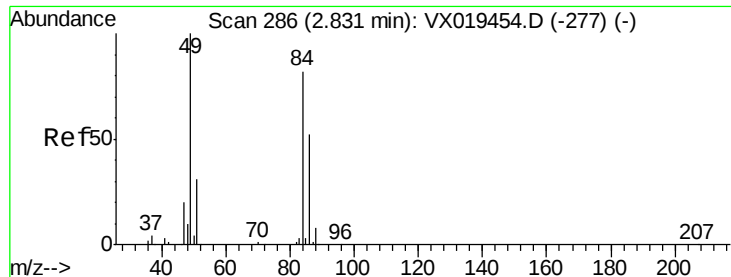
Tgt Ion: 76 Resp: 1632

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.2

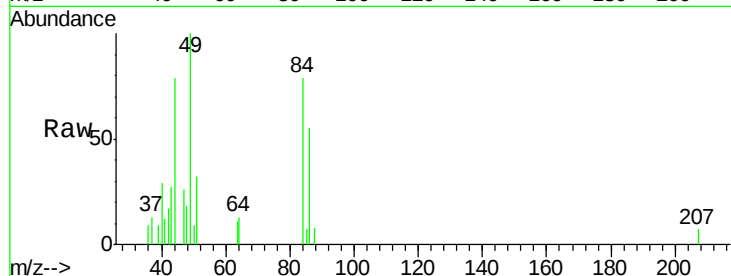




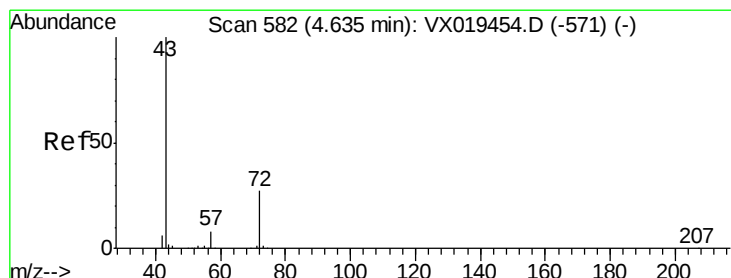
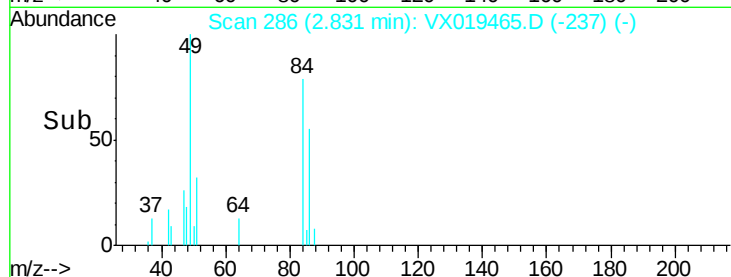
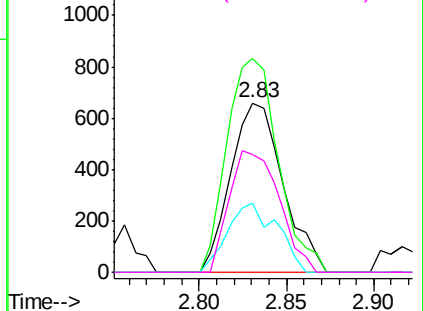
#20
Methylene Chloride
Concen: 0.396 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019465.D
Acq: 18 Nov 2020 20:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-718-720

Tot Ion: 84 Resp: 1380
Ion Ratio Lower Upper
84 100
49 126.1 97.6 146.4
51 40.9 30.6 45.8
86 69.5 50.7 76.1

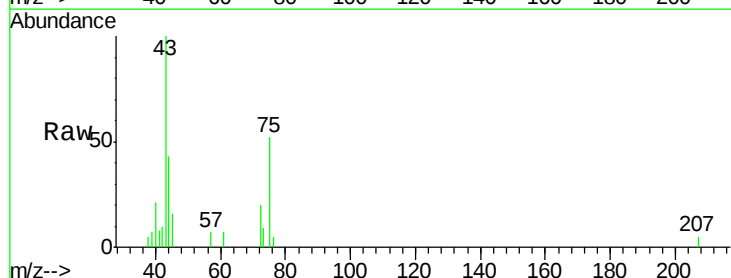


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

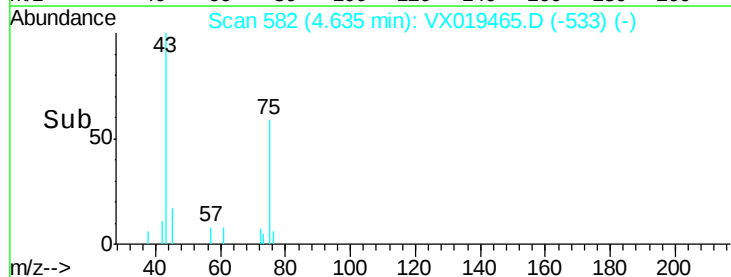
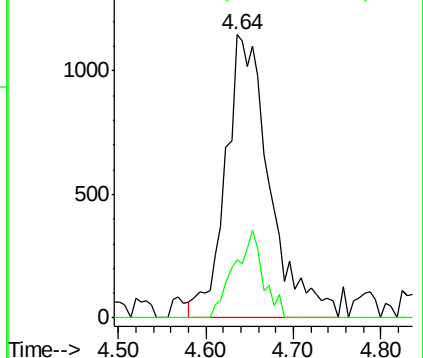


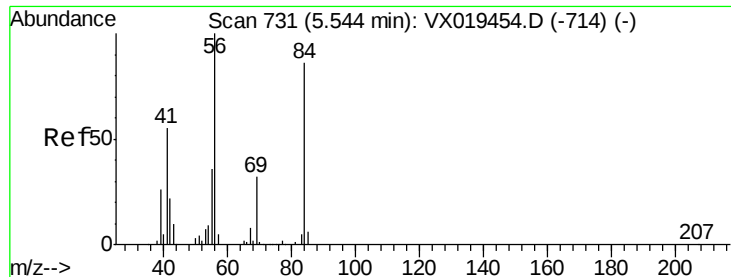
#25
2-Butanone
Concen: 1.748 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX019465.D
Acq: 18 Nov 2020 20:55

Tgt Ion: 43 Resp: 4013
Ion Ratio Lower Upper
43 100
72 20.4 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-718-720

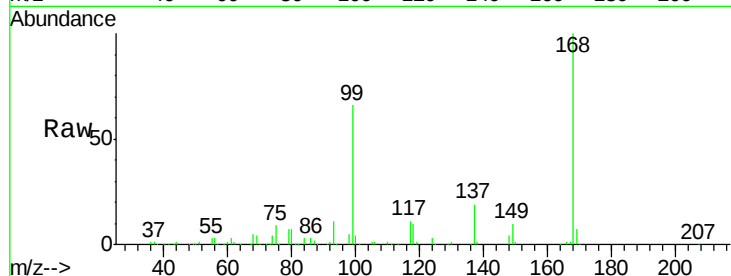
Tot Ion: 56 Resp: 6792

Ion Ratio Lower Upper

56 100

69 149.3 25.2 37.8#

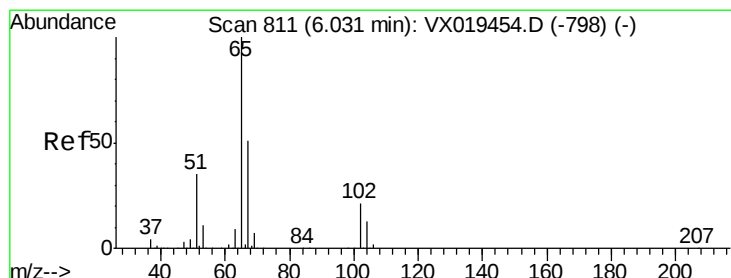
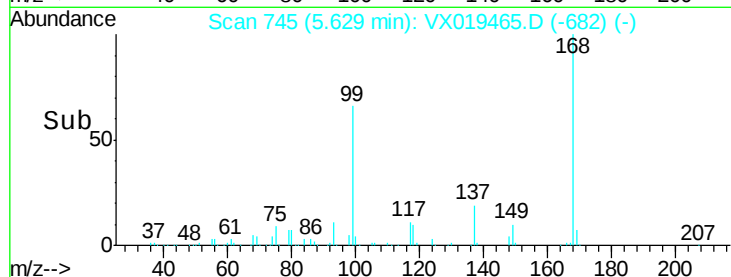
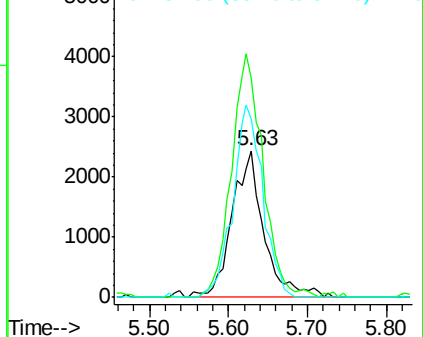
84 121.1 68.5 102.7#



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: 46.603 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019465.D

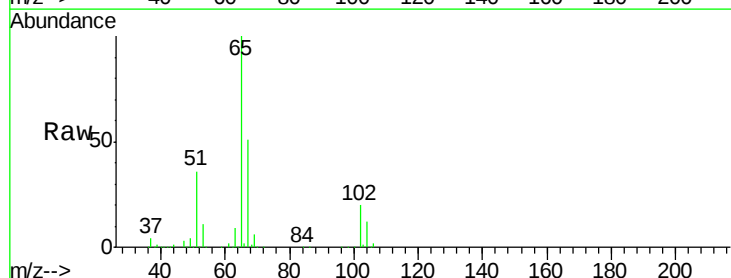
Acq: 18 Nov 2020 20:55

Tgt Ion: 65 Resp: 185429

Ion Ratio Lower Upper

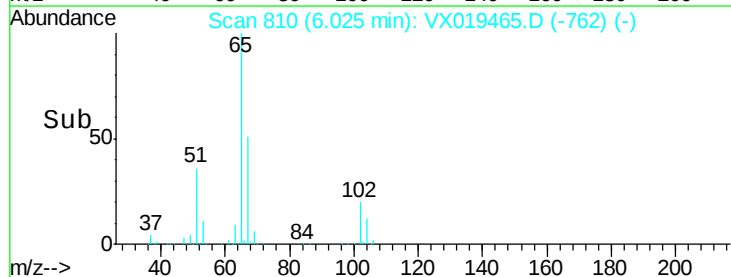
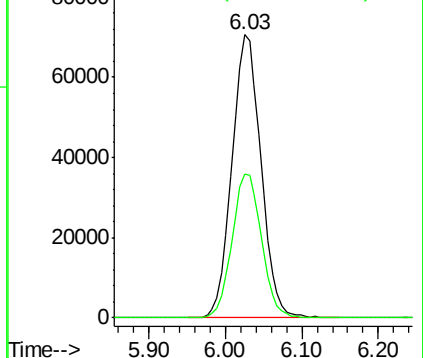
65 100

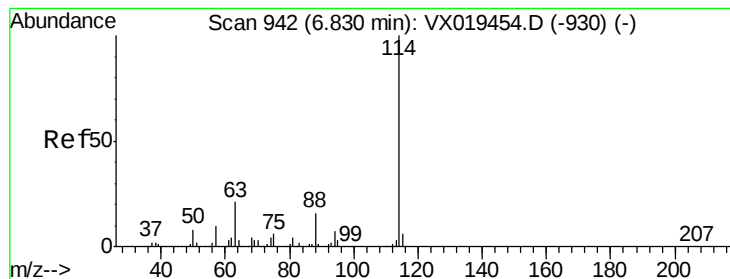
67 51.7 0.0 102.4



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: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019465.D

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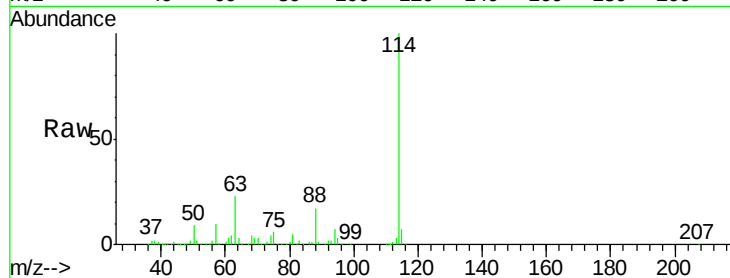
Tot Ion:114 Resp: 430631

Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.0

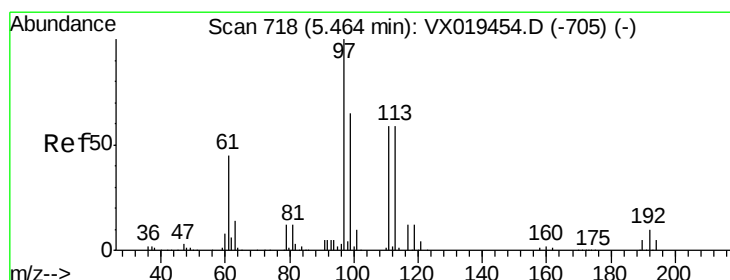
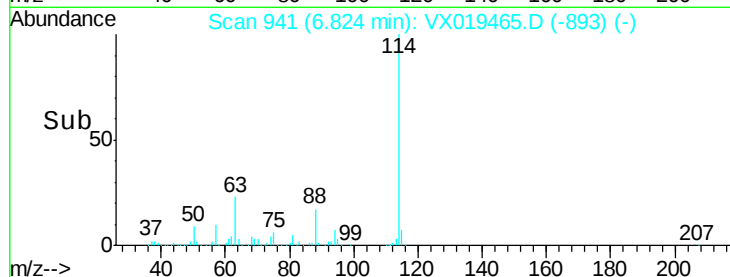
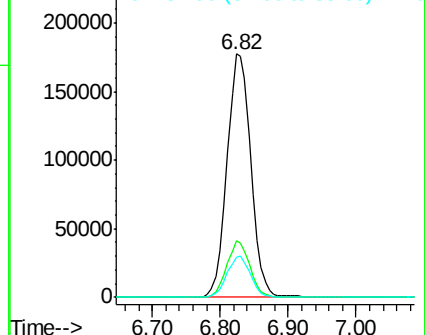
88 16.6 0.0 32.0



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: 46.913 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

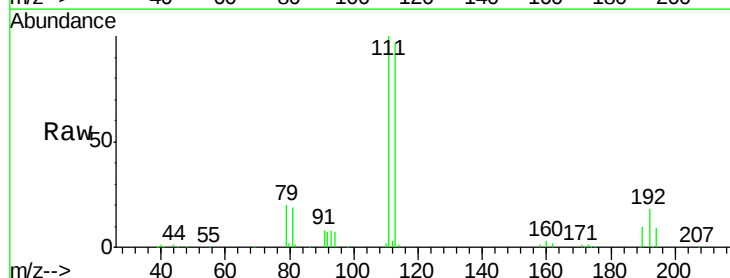
Tgt Ion:113 Resp: 132930

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

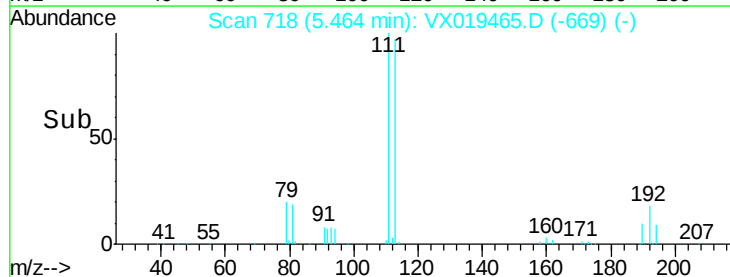
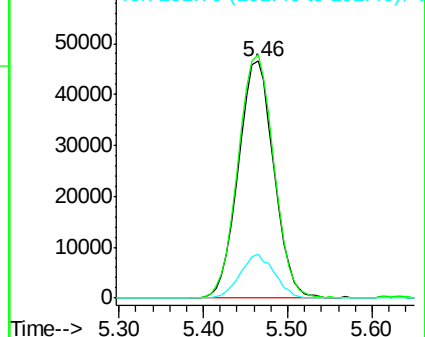
192 17.9 14.2 21.4

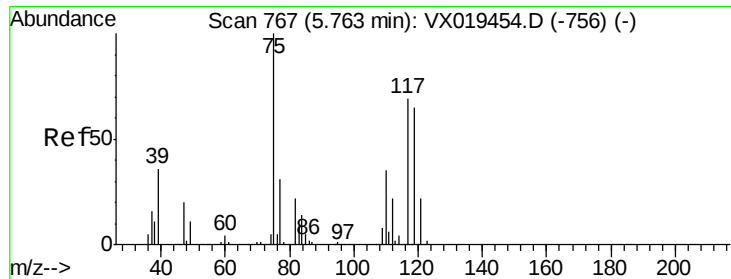


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.228 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

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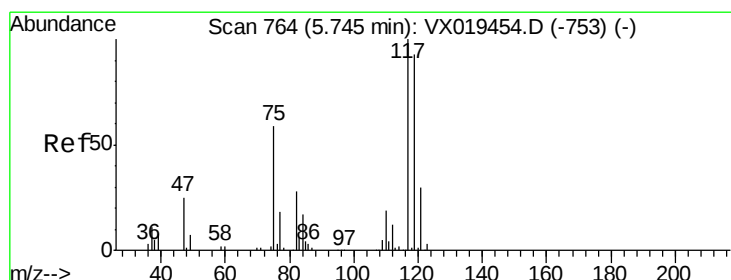
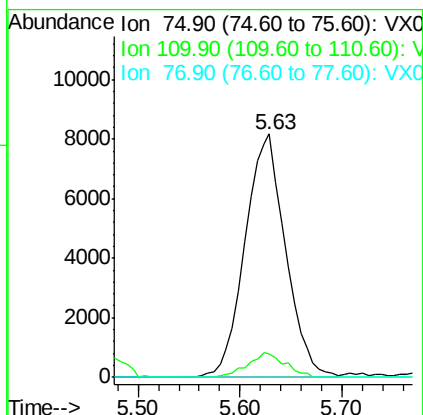
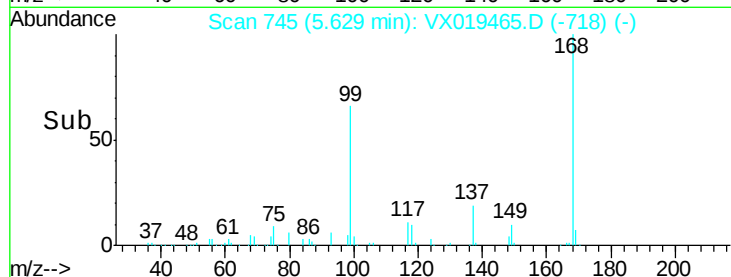
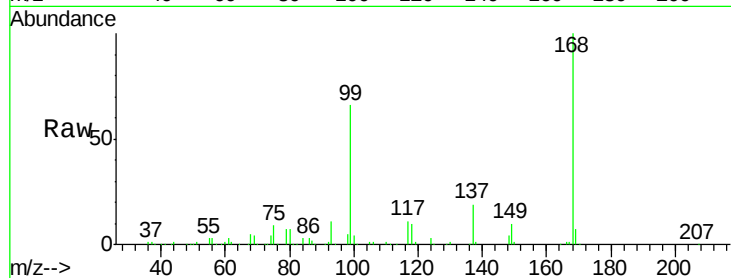
Tot Ion: 75 Resp: 22565

Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

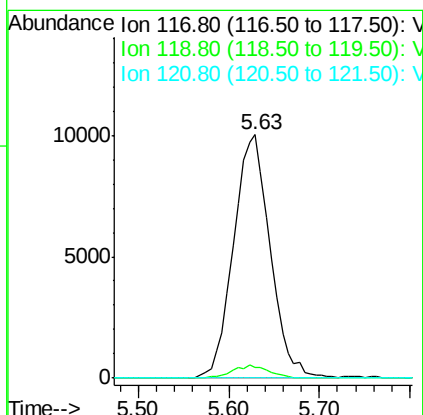
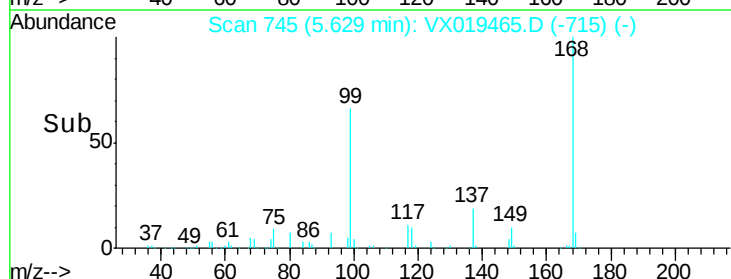
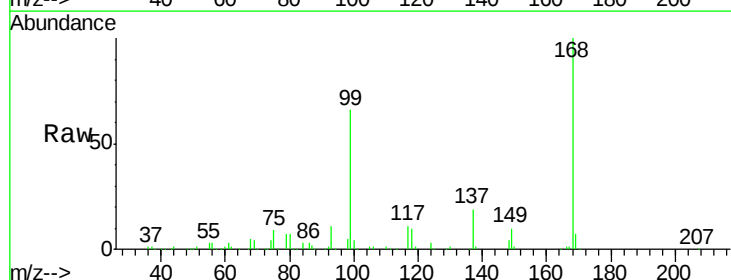
Tgt Ion: 117 Resp: 28091

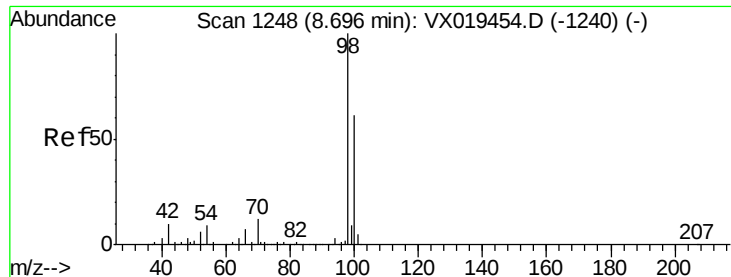
Ion Ratio Lower Upper

117 100

119 4.5 74.1 111.1#

121 0.0 23.6 35.4#





#50

Toluene-d8

Concen: 48.036 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

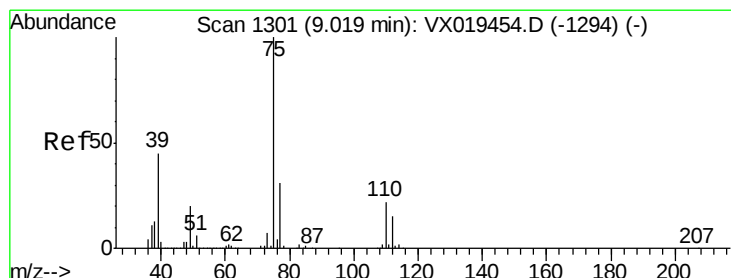
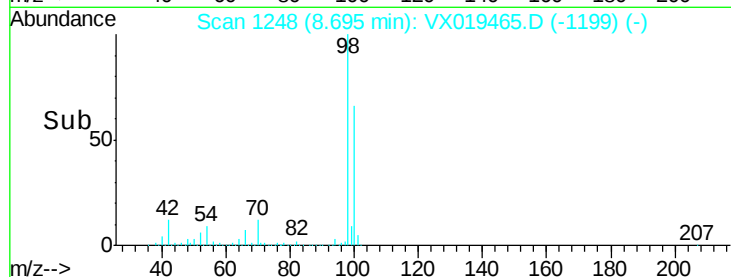
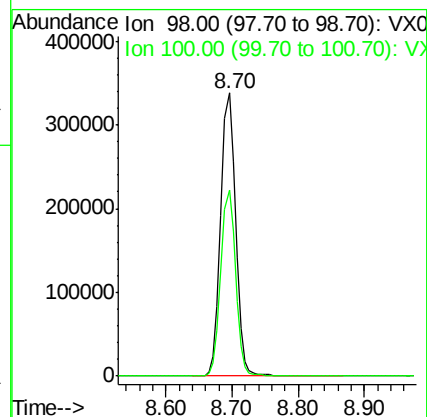
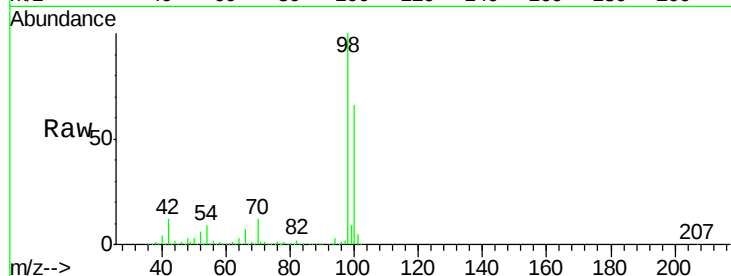
BP-VPB178-GW-718-720

Tot Ion: 98 Resp: 528940

Ion Ratio Lower Upper

98 100

100 65.3 52.6 79.0



#53

t-1,3-Dichloropropene

Concen: 1.839 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019465.D

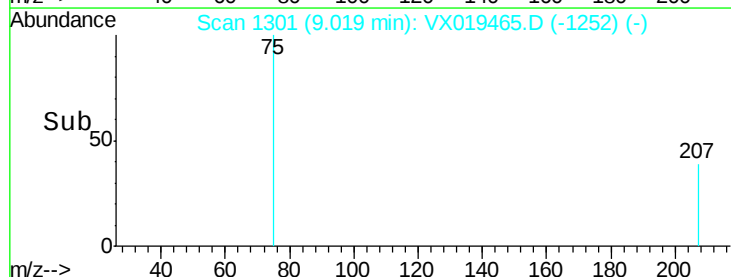
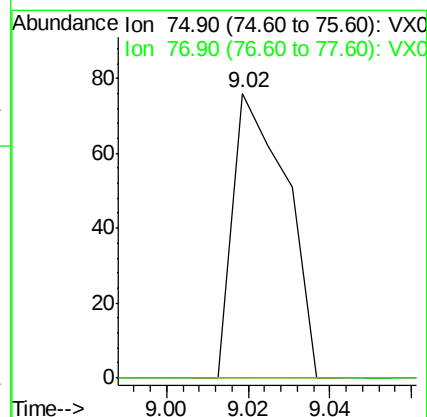
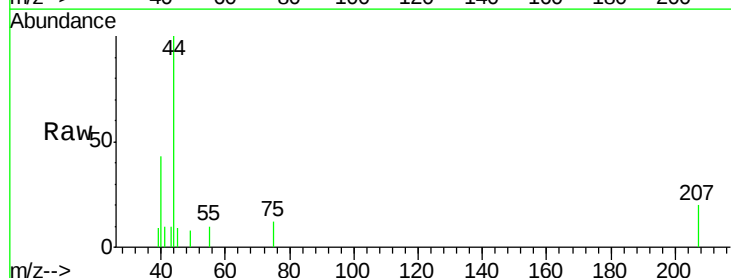
Acq: 18 Nov 2020 20:55

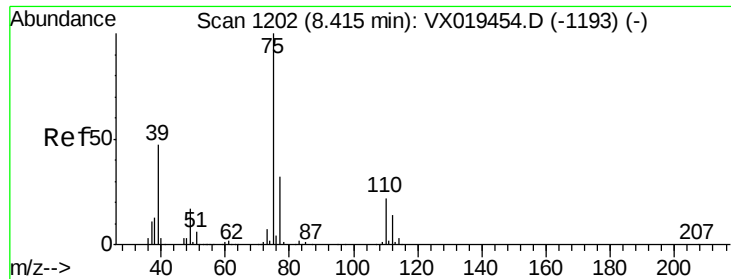
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#



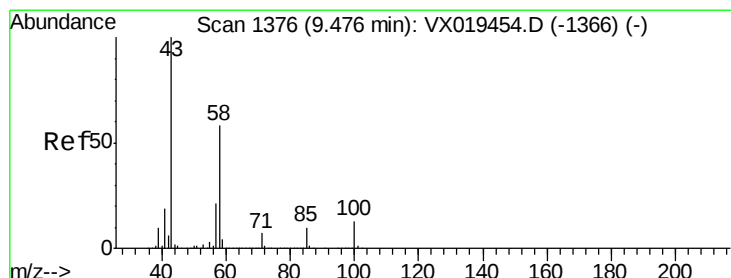
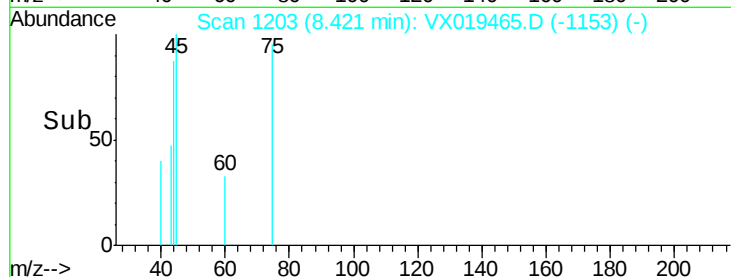
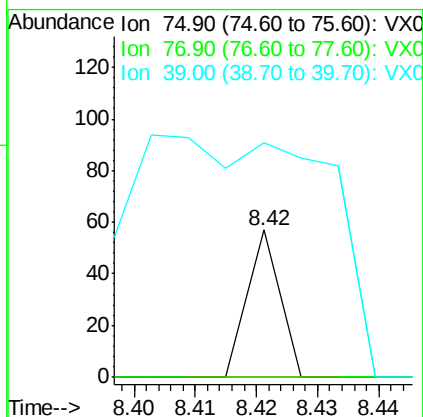
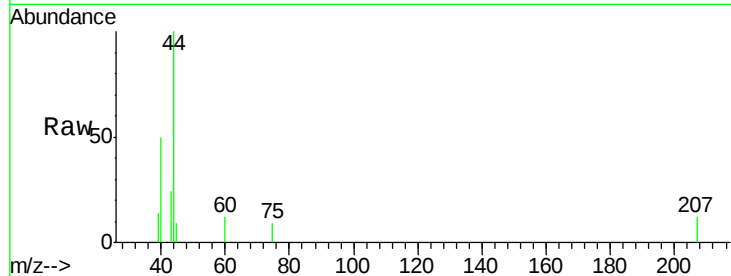


#54

cis-1,3-Dichloropropene
 Concen: 1.489 ug/l
 RT: 8.42 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VX019465.D
 Acq: 18 Nov 2020 20:55

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-718-720

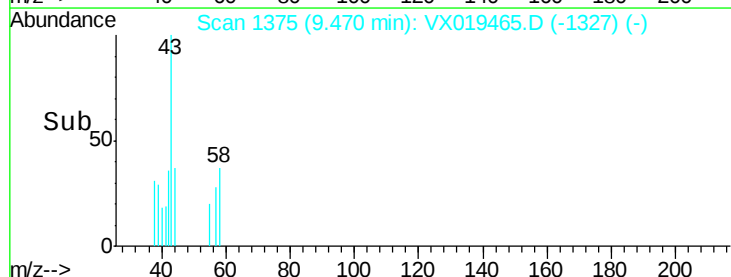
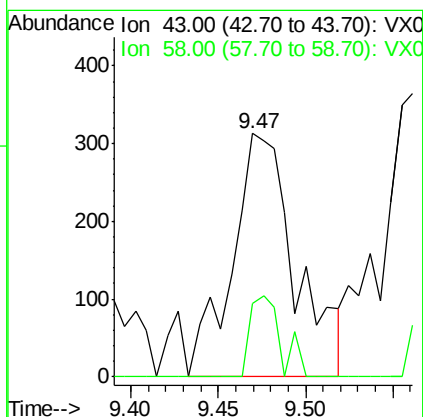
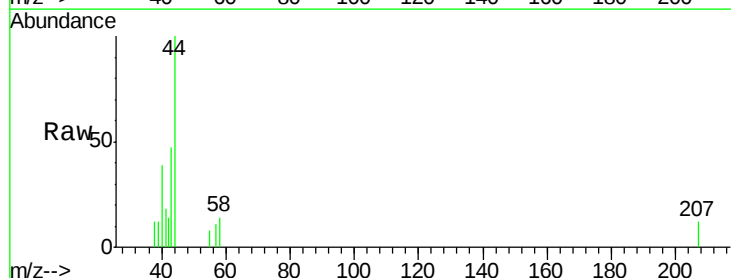
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.2#
39	15.8	37.4	56.2#

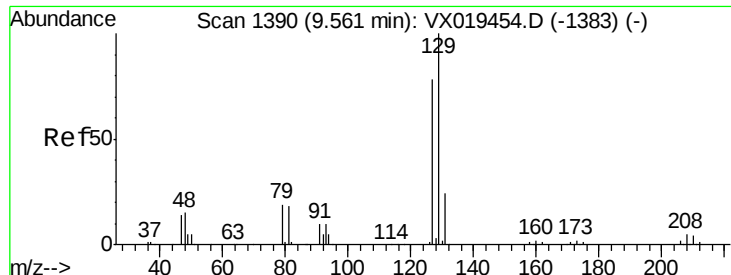


#59

2-Hexanone
 Concen: 0.240 ug/l
 RT: 9.47 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VX019465.D
 Acq: 18 Nov 2020 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.0	28.8	86.5#

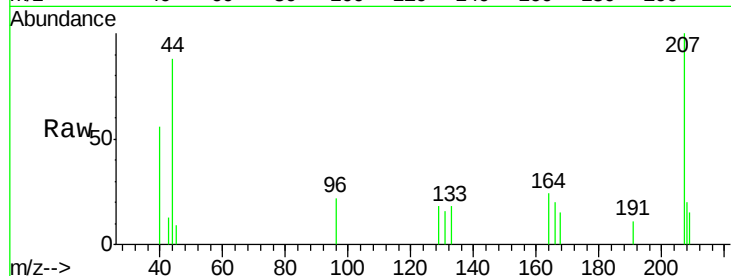




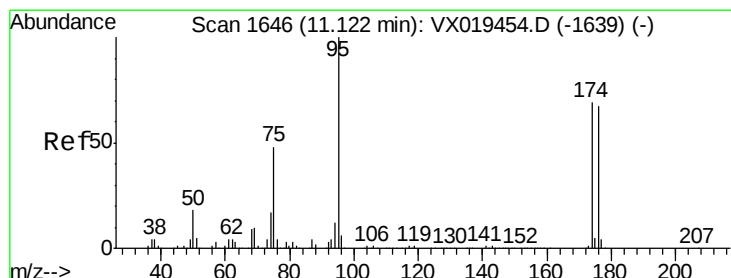
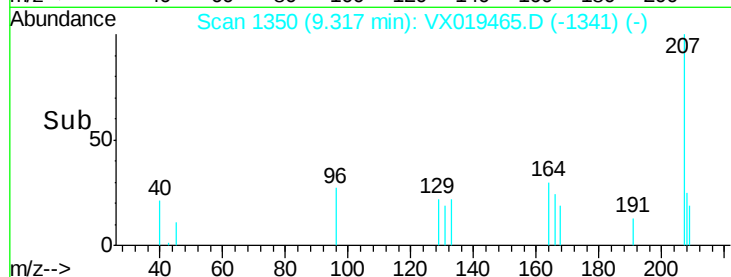
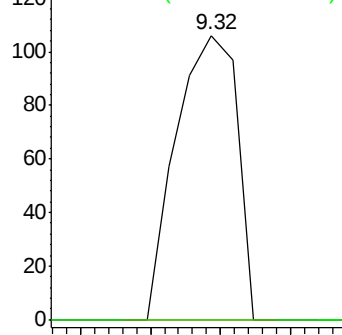
#60
 Dibromochloromethane
 Concen: 1.657 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.24 min
 Lab File: VX019465.D
 Acq: 18 Nov 2020 20:55

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-718-720

Tot Ion: 129 Resp: 128
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#

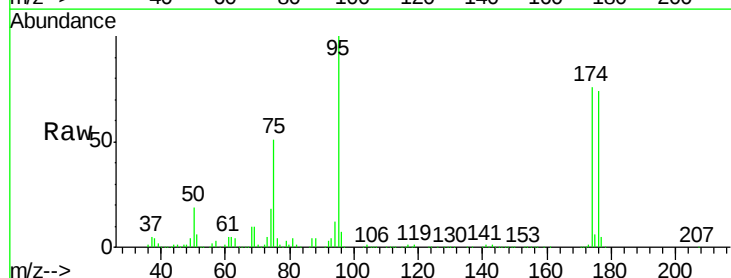


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

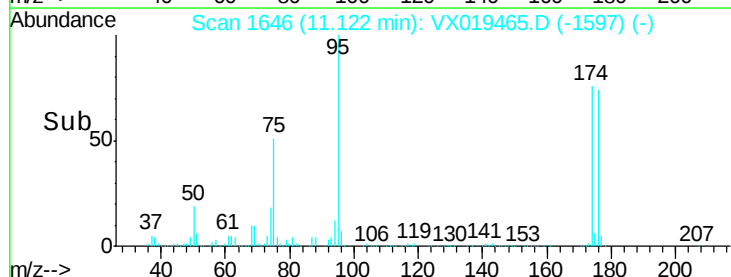
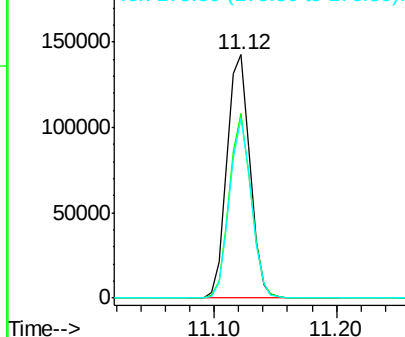


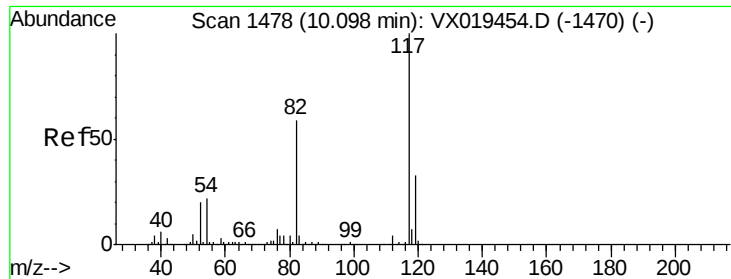
#62
 4-Bromofluorobenzene
 Concen: 45.740 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX019465.D
 Acq: 18 Nov 2020 20:55

Tgt Ion: 95 Resp: 185034
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 141.4
 176 70.0 0.0 137.6



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

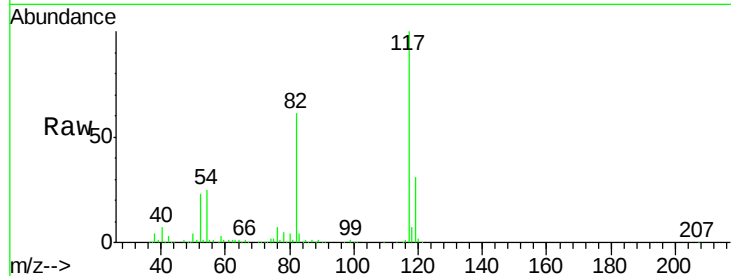




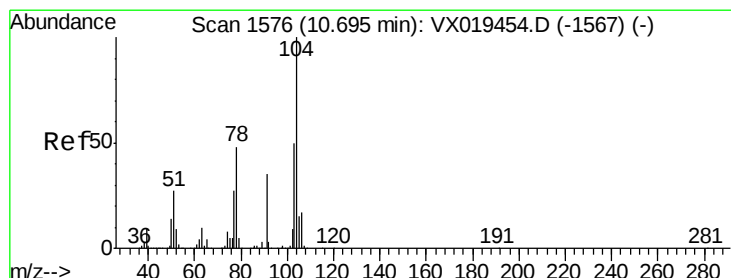
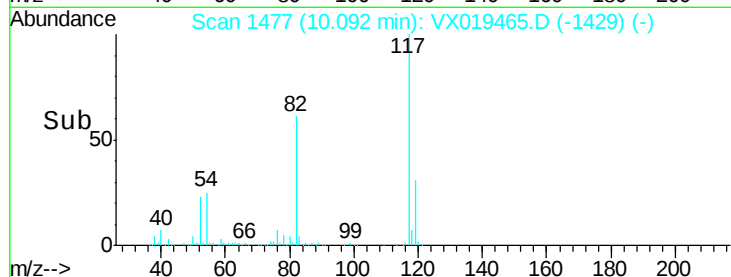
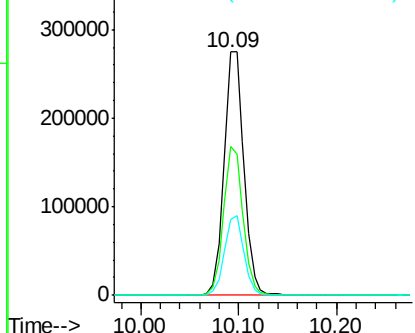
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019465.D
Acq: 18 Nov 2020 20:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-718-720

Tot Ion:117 Resp: 387166
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.0 26.3 39.5

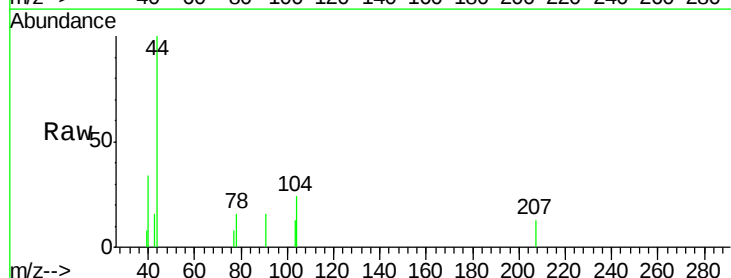


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

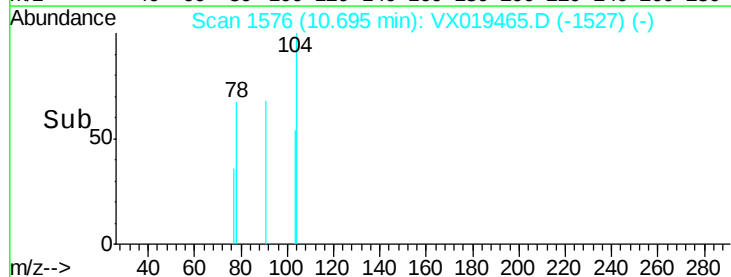
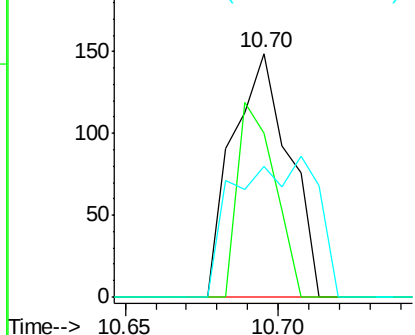


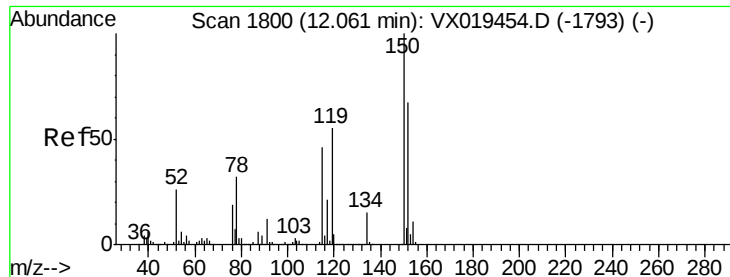
#70
Styrene
Concen: 2.150 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019465.D
Acq: 18 Nov 2020 20:55

Tgt Ion:104 Resp: 191
Ion Ratio Lower Upper
104 100
78 52.4 42.7 64.1
103 83.8 43.2 64.8#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX019465.D

Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-718-720

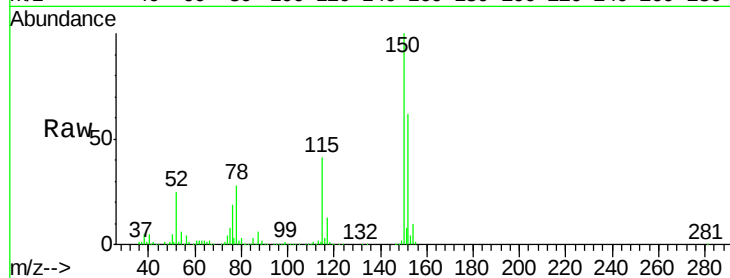
Tot Ion:152 Resp: 163540

Ion Ratio Lower Upper

152 100

115 64.4 44.9 134.7

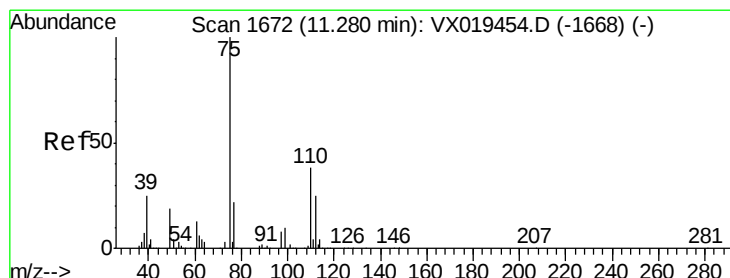
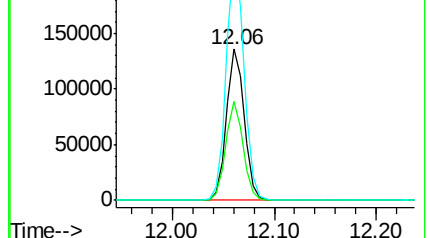
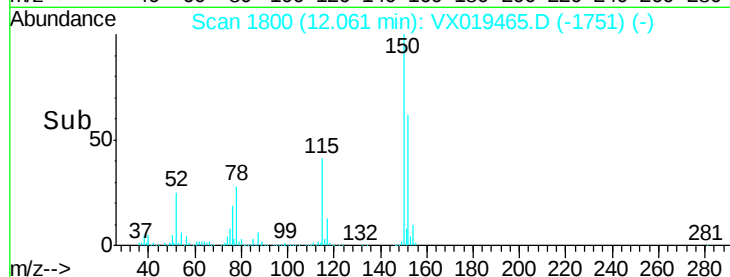
150 160.0 0.0 344.4



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: 25.247 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019465.D

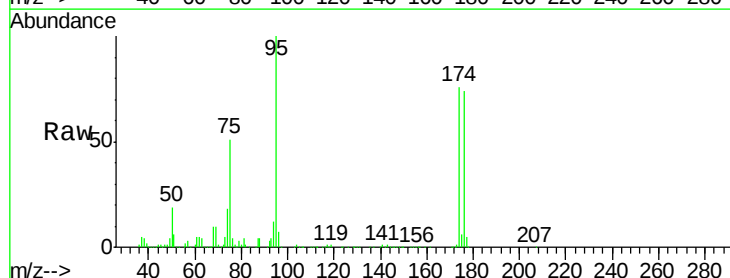
Acq: 18 Nov 2020 20:55

Tgt Ion: 75 Resp: 98438

Ion Ratio Lower Upper

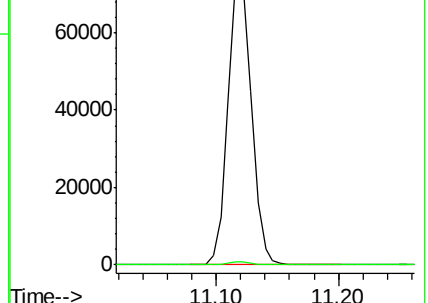
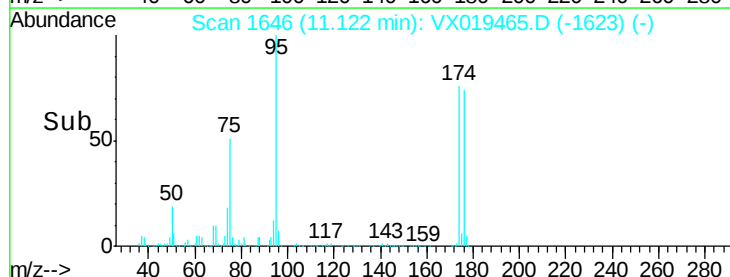
75 100

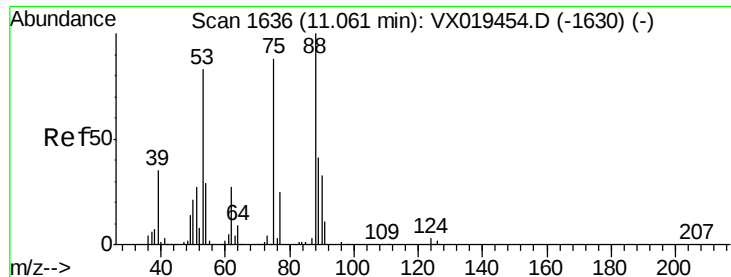
77 1.2 20.0 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.789 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-718-720

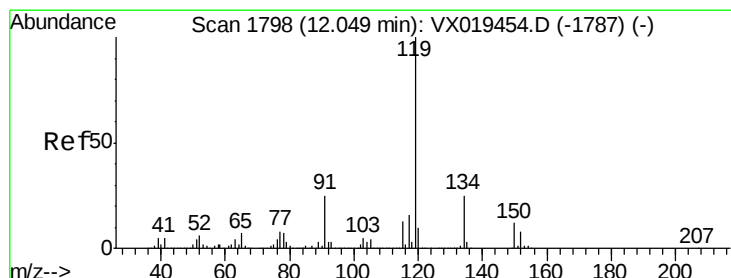
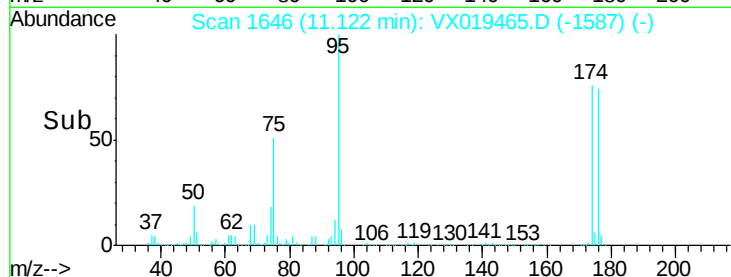
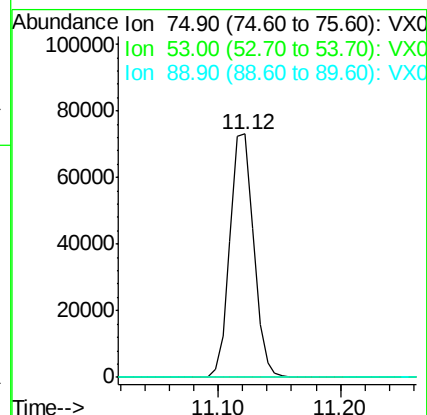
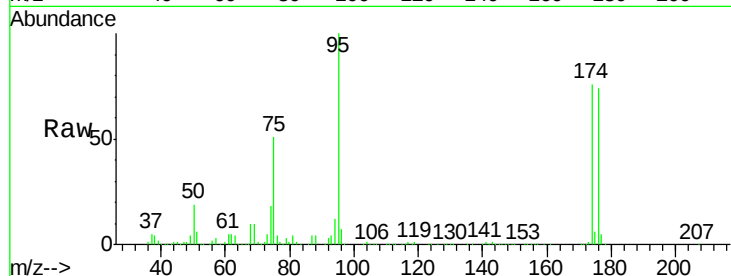
Tot Ion: 75 Resp: 98438

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 37.0 55.4#



#86

p-Isopropyltoluene

Concen: 1.635 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019465.D

Acq: 18 Nov 2020 20:55

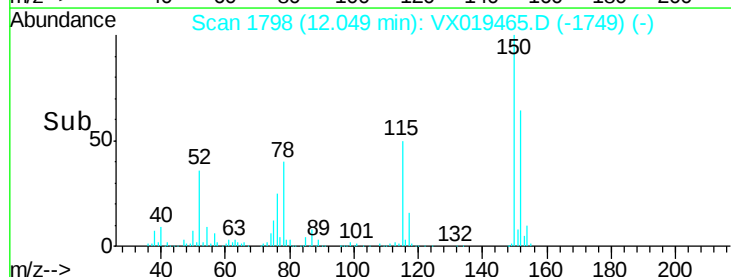
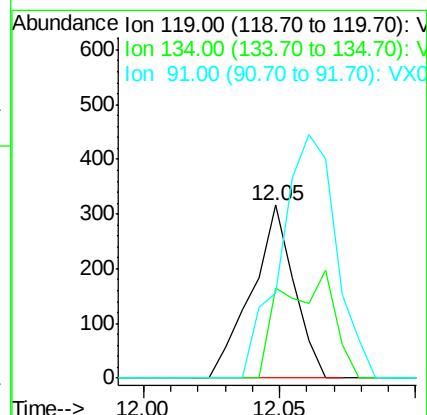
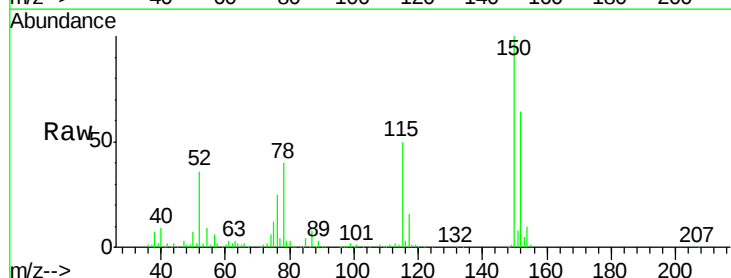
Tgt Ion: 119 Resp: 342

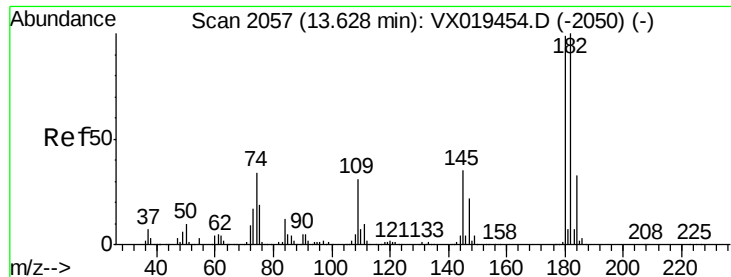
Ion Ratio Lower Upper

119 100

134 75.4 12.8 38.3#

91 184.5 12.6 37.6#

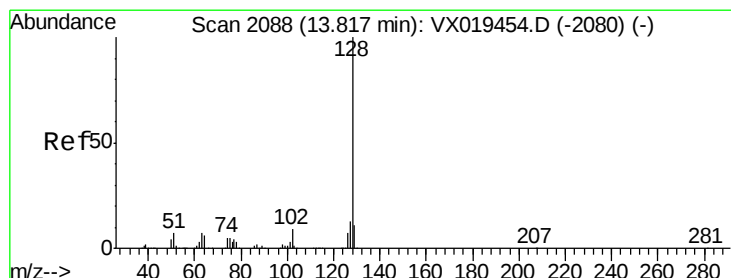
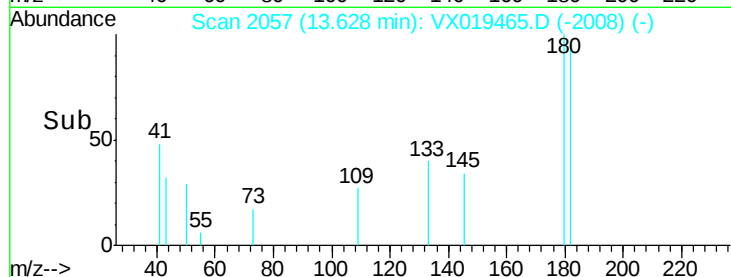
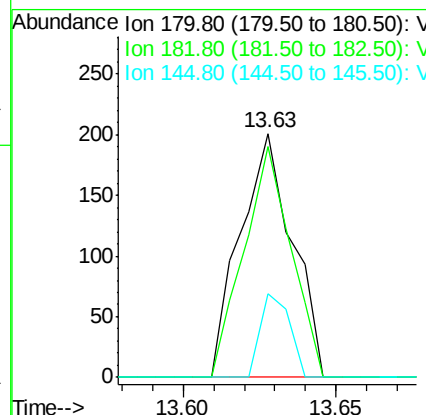
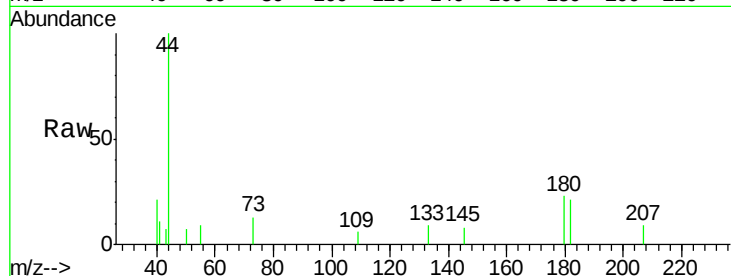




#93
1,2,4-Trichlorobenzene
Concen: 2.820 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX019465.D
Acq: 18 Nov 2020 20:55

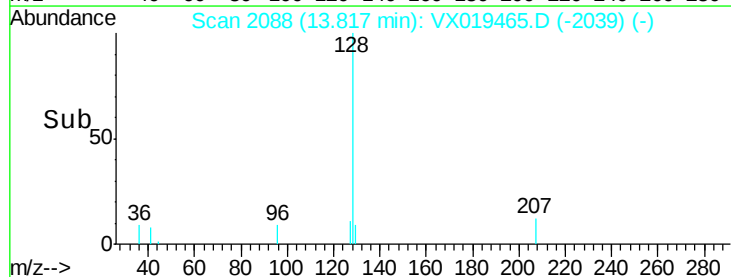
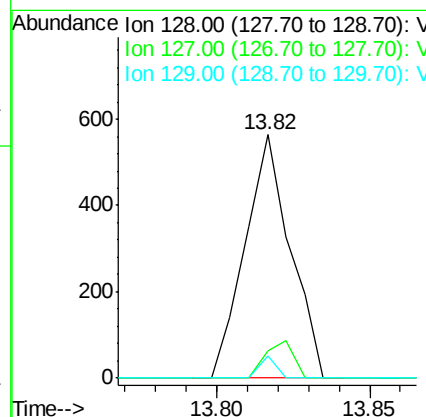
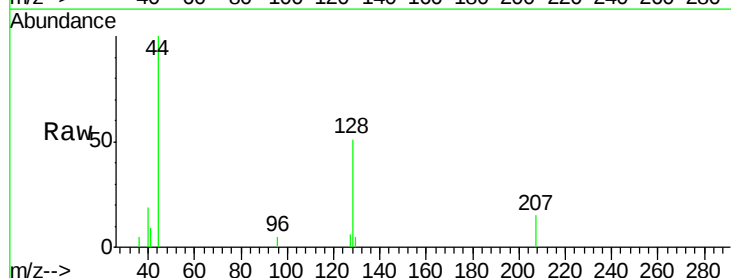
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-718-720

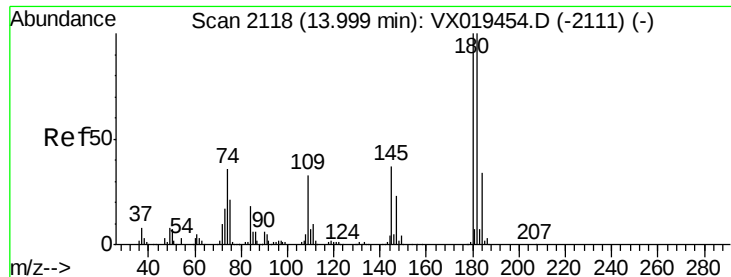
Tot Ion	Ratio	Lower	Upper
180	100		
182	86.1	48.1	144.4
145	19.4	16.9	50.6



#95
Naphthalene
Concen: 2.360 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019465.D
Acq: 18 Nov 2020 20:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.2	15.2#
129	3.3	8.8	13.2#





#96

1,2,3-Trichlorobenzene

Concen: 2.484 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019465.D

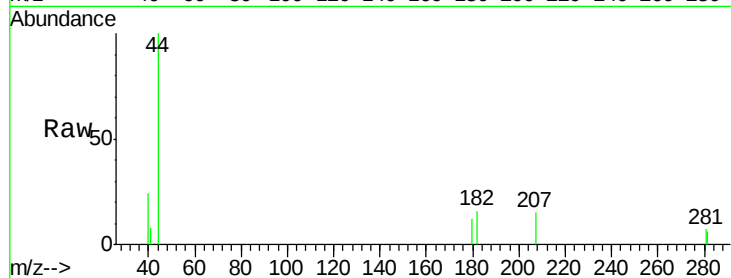
Acq: 18 Nov 2020 20:55

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-718-720



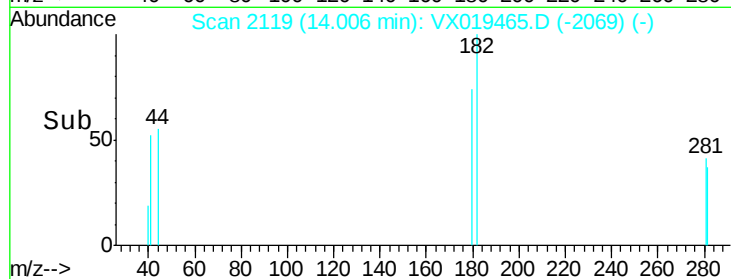
Tot Ion:180 Resp: 159

Ion Ratio Lower Upper

180 100

182 84.3 49.0 147.0

145 11.3 17.6 52.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

250

200

150

100

50

0

14.01

14.00

13.99

13.98

13.97

13.96

Time-->