

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019344.D
 Acq On : 06 Nov 2020 16:06
 Operator : JC/MD
 Sample : L4662-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-358-360

Quant Time: Nov 07 01:05:26 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	303061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	533318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	498681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246352	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	212548	54.38	ug/l	0.00
Spiked Amount						
			Recovery	=	108.76%	
35) Dibromofluoromethane	5.46	113	164481	49.10	ug/l	0.00
Spiked Amount						
			Recovery	=	98.20%	
50) Toluene-d8	8.70	98	649068	51.40	ug/l	0.00
Spiked Amount						
			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.12	95	249701	52.21	ug/l	0.00
Spiked Amount						
			Recovery	=	104.42%	

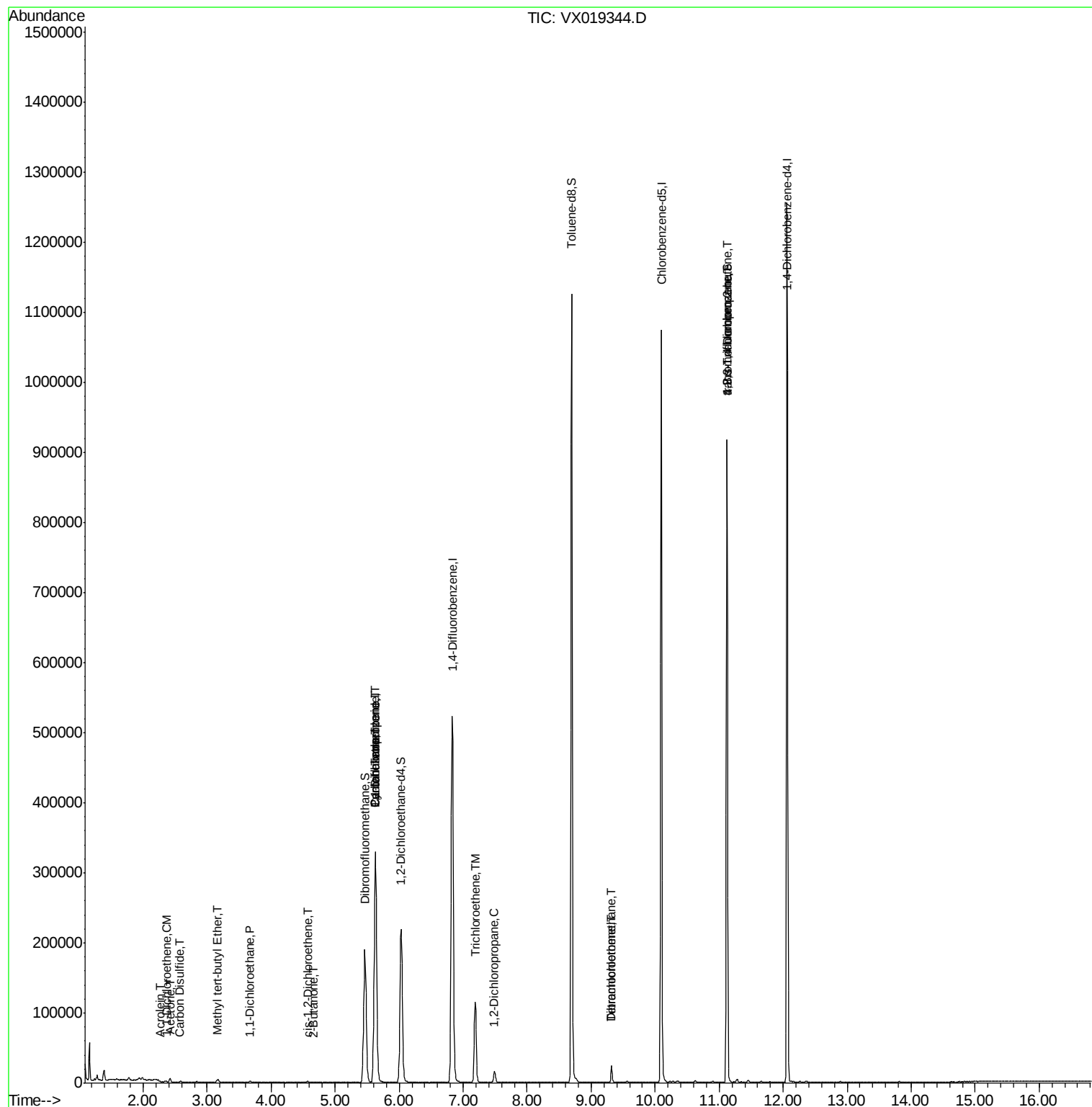
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.36	96	599	0.204	ug/l	88
13) Acrolein	2.26	56	44	5.773	ug/l #	16
16) Acetone	2.42	43	5889	4.368	ug/l	96
17) Carbon Disulfide	2.56	76	386	0.805	ug/l #	59
19) Methyl tert-butyl Ether	3.16	73	4994	0.491	ug/l	98
24) 1,1-Dichloroethane	3.67	63	2118	0.382	ug/l #	91
25) 2-Butanone	4.65	43	1122	0.528	ug/l #	88
27) cis-1,2-Dichloroethene	4.56	96	960	0.254	ug/l	78
31) Cyclohexane	5.63	56	6724	1.361	ug/l #	7
36) 1,1-Dichloropropene	5.63	75	24577	4.990	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31683	6.312	ug/l #	16
44) Trichloroethene	7.19	130	44139	11.038	ug/l	98
45) 1,2-Dichloropropane	7.49	63	6429	1.880	ug/l	98
60) Dibromochloromethane	9.32	129	4244	1.101	ug/l #	11
64) Tetrachloroethene	9.32	164	4232	1.114	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	129320	25.423	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	129320	66.940	ug/l #	12

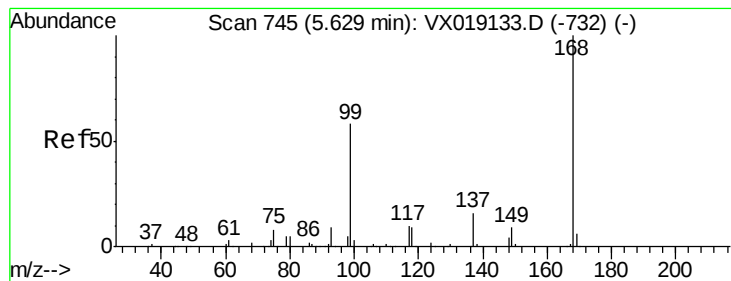
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

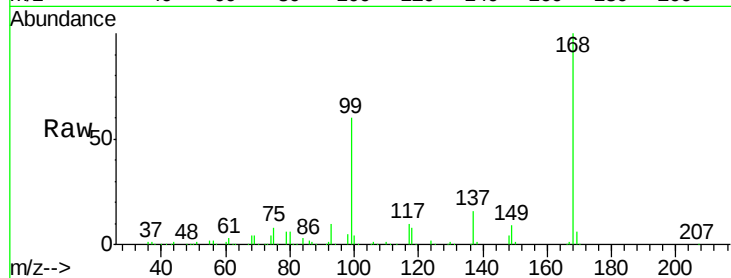
BP-VPB178-GW-358-360

Tot Ion:168 Resp: 303061

Ion Ratio Lower Upper

168 100

99 60.3 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

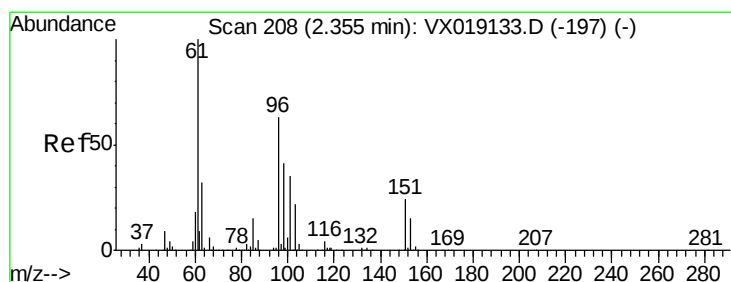
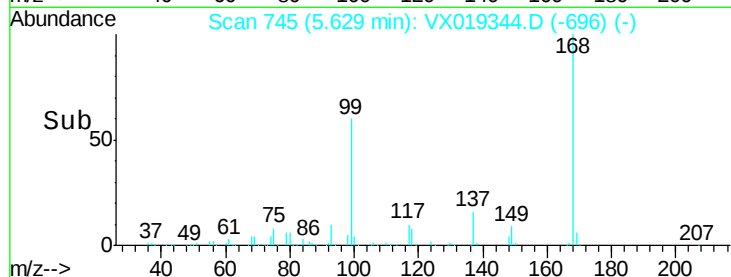
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.204 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

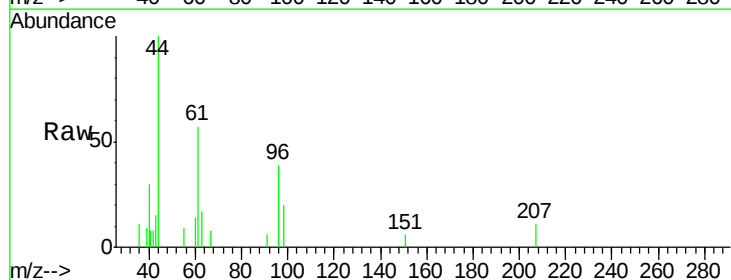
Tgt Ion: 96 Resp: 599

Ion Ratio Lower Upper

96 100

61 146.5 127.7 191.5

98 52.6 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

600

500

400

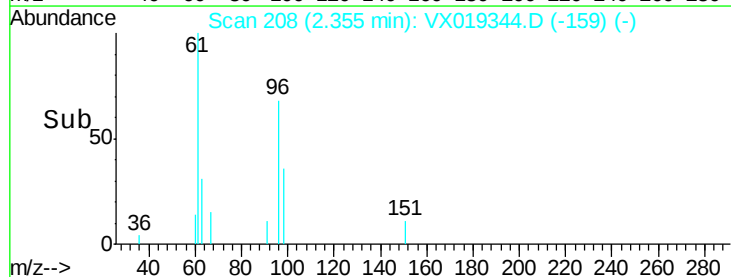
300

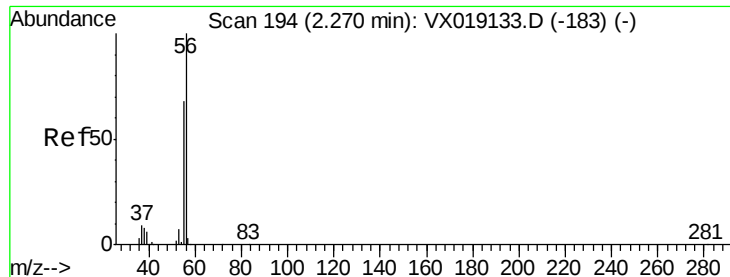
200

100

0

Time-->





#13

Acrolein

Concen: 5.773 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

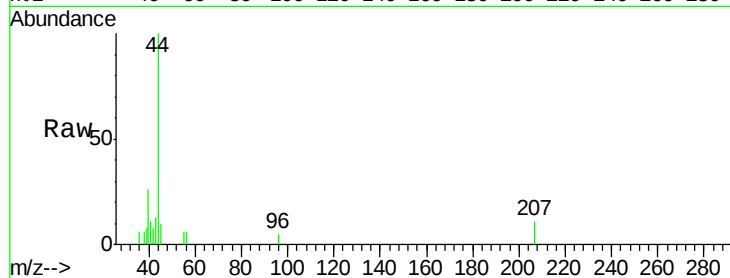
BP-VPB178-GW-358-360

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

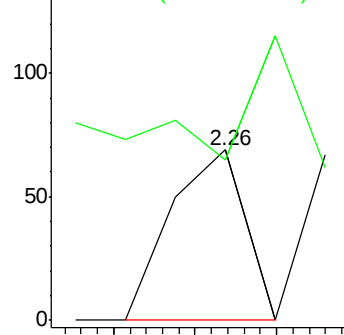
56 100

55 0.0 54.7 82.1#

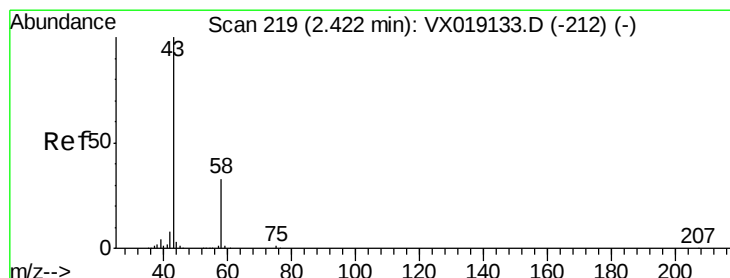
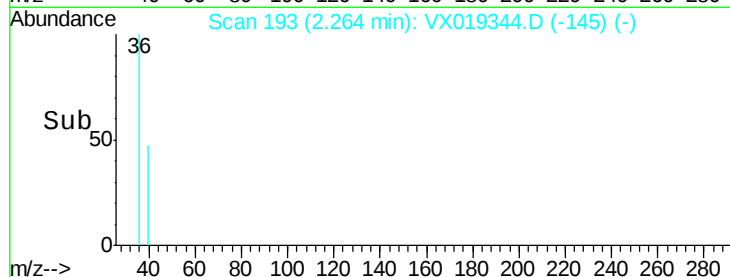


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 4.368 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019344.D

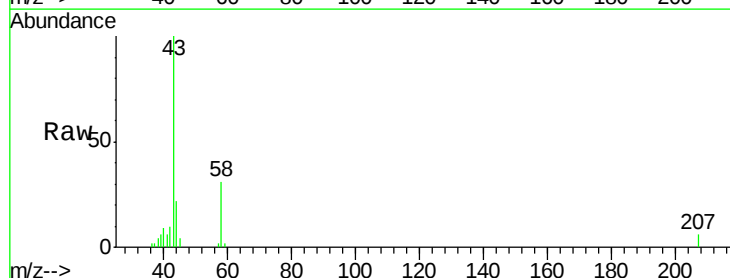
Acq: 06 Nov 2020 16:06

Tgt Ion: 43 Resp: 5889

Ion Ratio Lower Upper

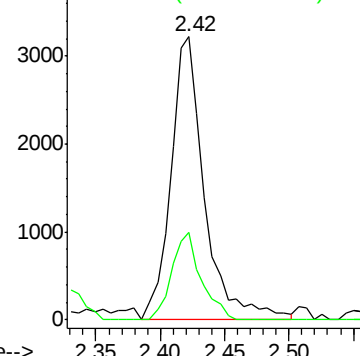
43 100

58 30.7 26.3 39.5

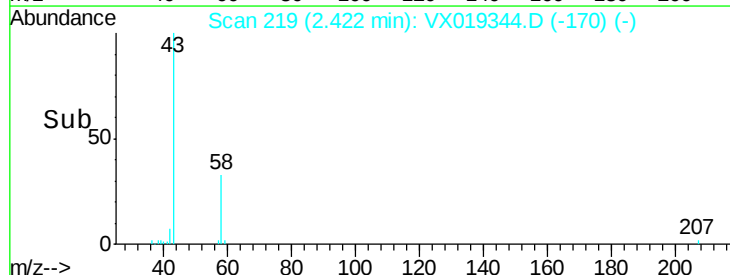


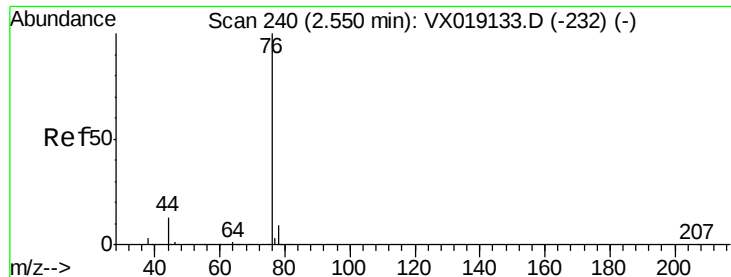
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.805 ug/l

RT: 2.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

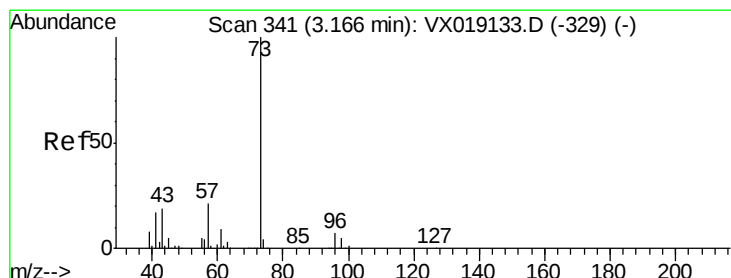
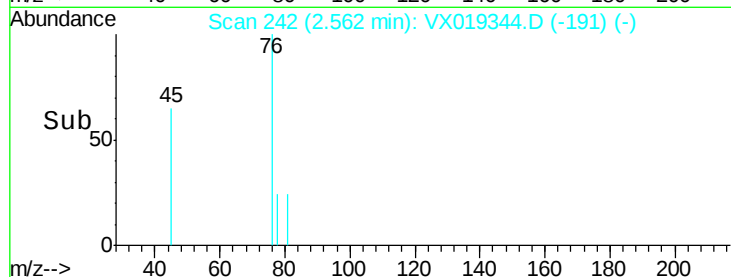
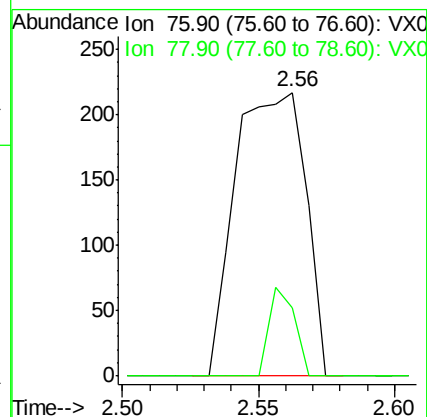
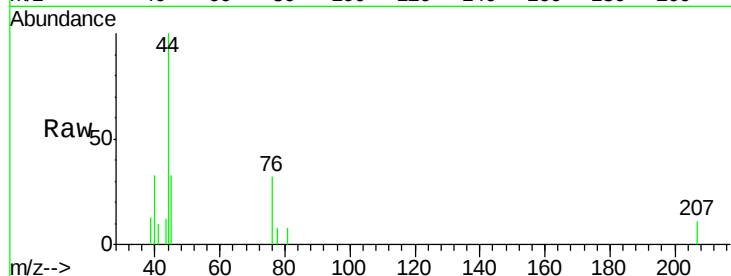
BP-VPB178-GW-358-360

Tot Ion: 76 Resp: 386

Ion Ratio Lower Upper

76 100

78 24.0 7.3 10.9#



#19

Methyl tert-butyl Ether

Concen: 0.491 ug/l

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

Lab File: VX019344.D

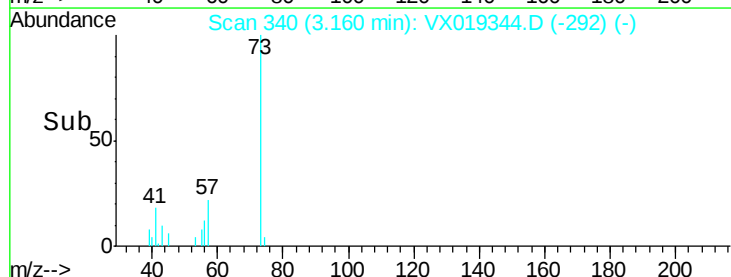
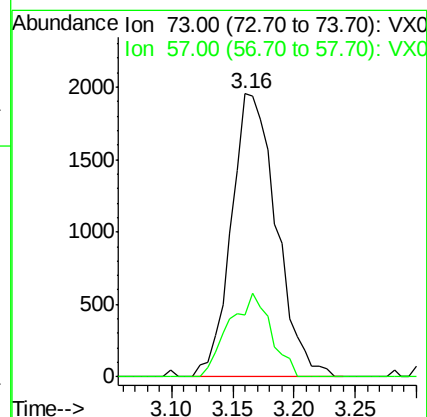
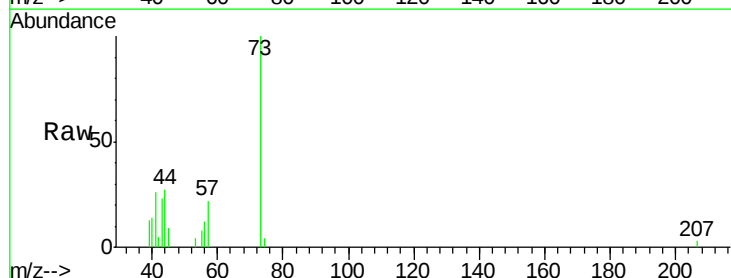
Acq: 06 Nov 2020 16:06

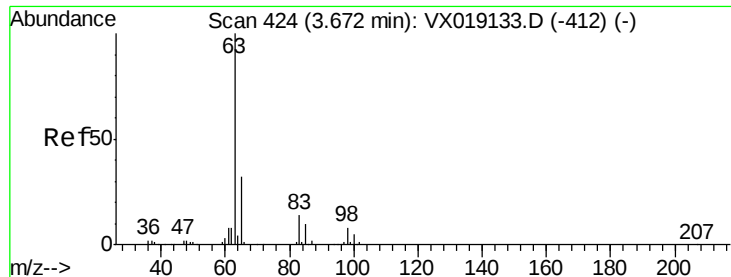
Tgt Ion: 73 Resp: 4994

Ion Ratio Lower Upper

73 100

57 21.8 16.6 25.0





#24

1,1-Dichloroethane

Concen: 0.382 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-358-360

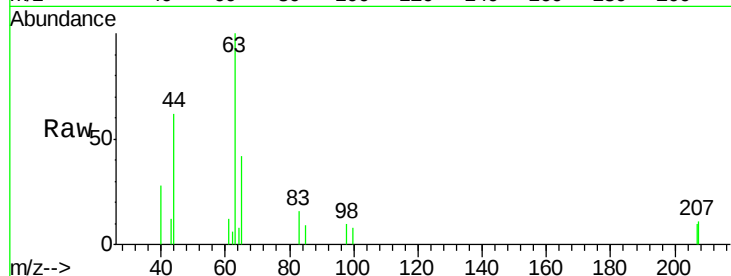
Tot Ion: 63 Resp: 2118

Ion Ratio Lower Upper

63 100

98 10.5

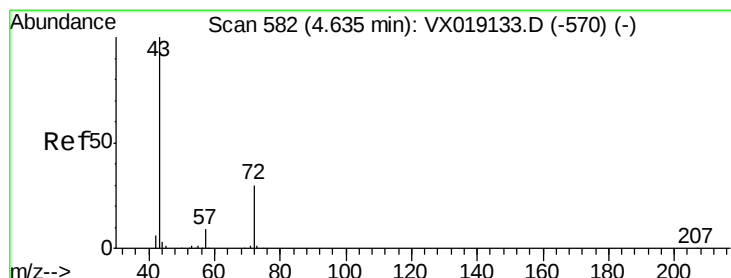
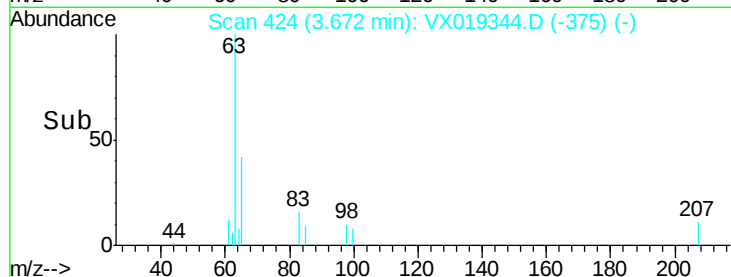
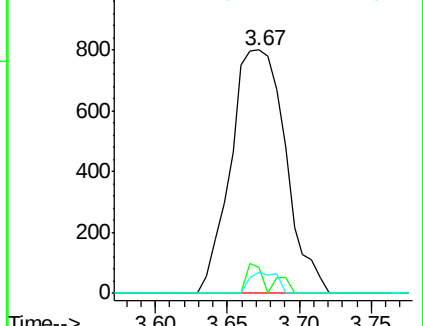
100 8.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.528 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

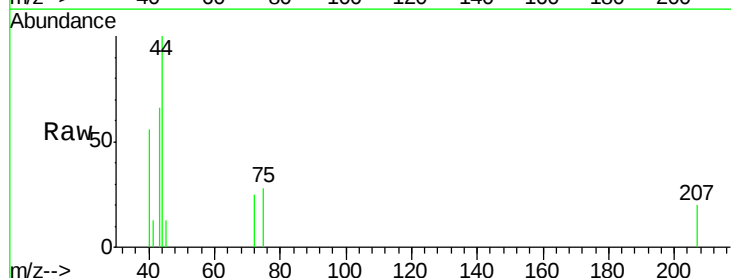
Tgt Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

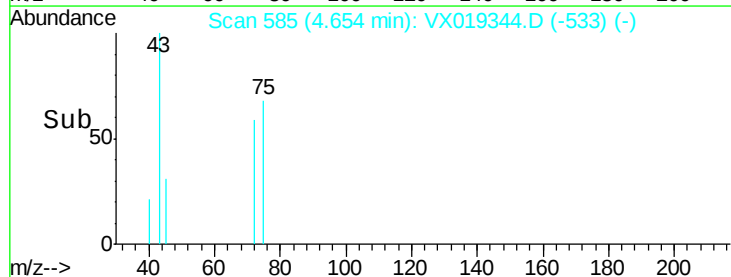
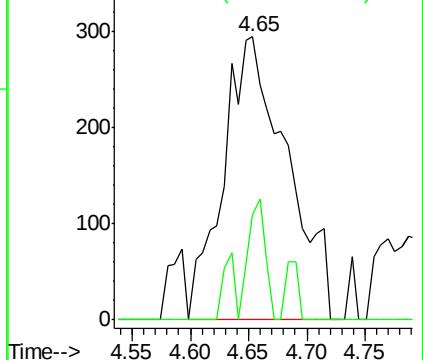
72 37.4

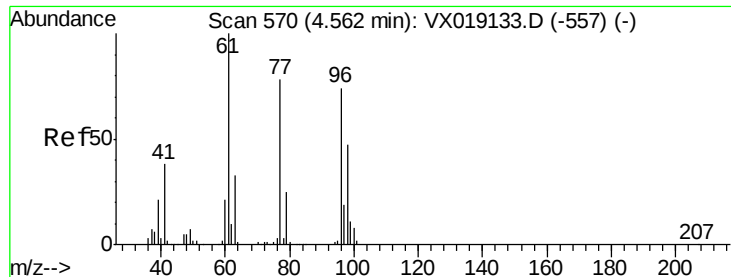
75 24.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.254 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

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ClientSampleId :

BP-VPB178-GW-358-360

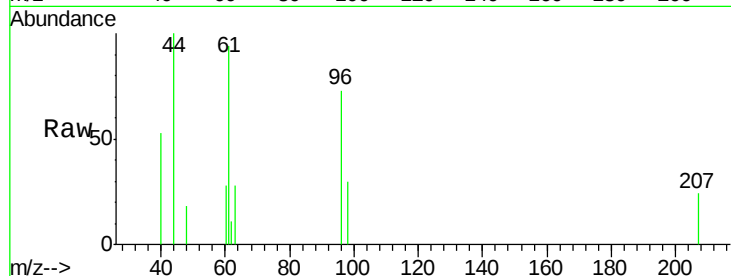
Tot Ion: 96 Resp: 960

Ion Ratio Lower Upper

96 100

61 107.8 0.0 278.8

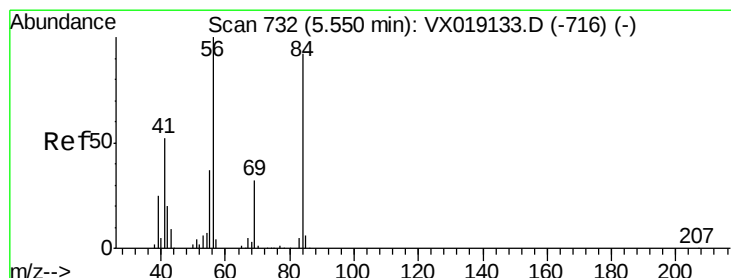
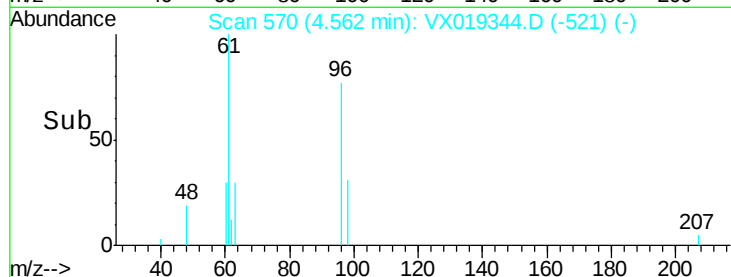
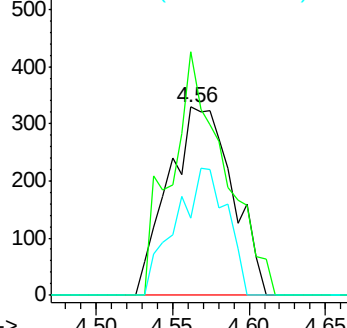
98 53.9 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.361 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

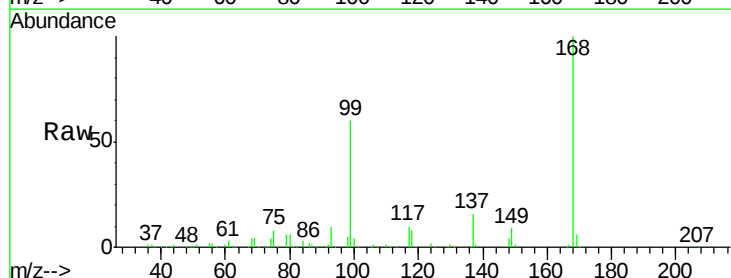
Tgt Ion: 56 Resp: 6724

Ion Ratio Lower Upper

56 100

69 172.5 25.9 38.9#

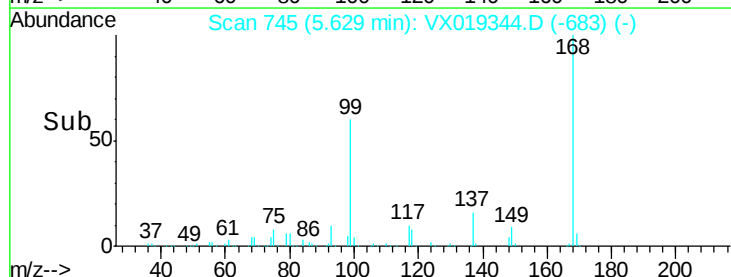
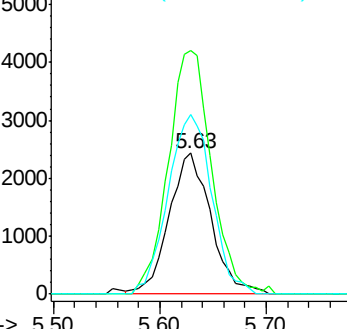
84 127.4 73.4 110.2#

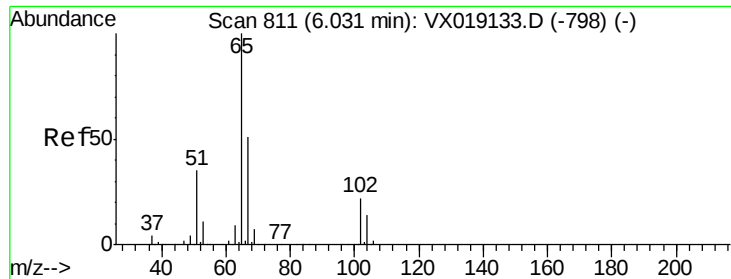


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.383 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

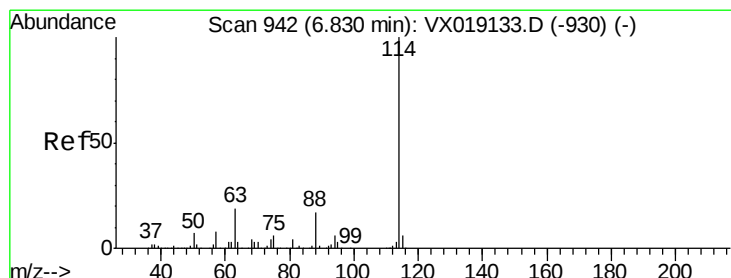
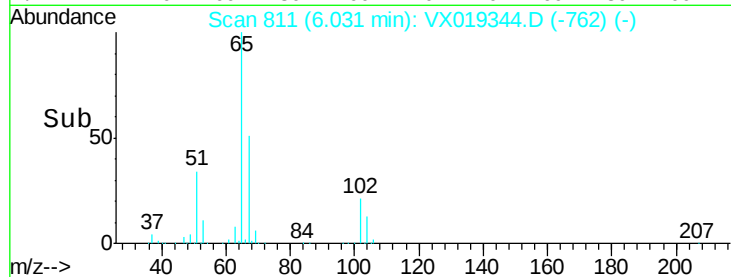
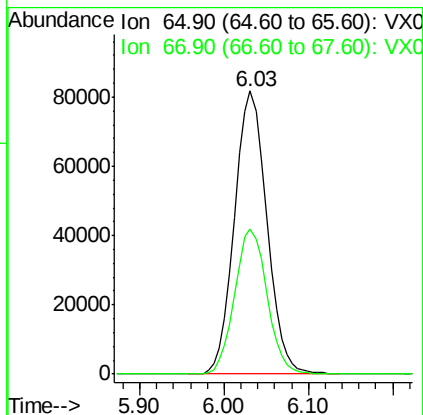
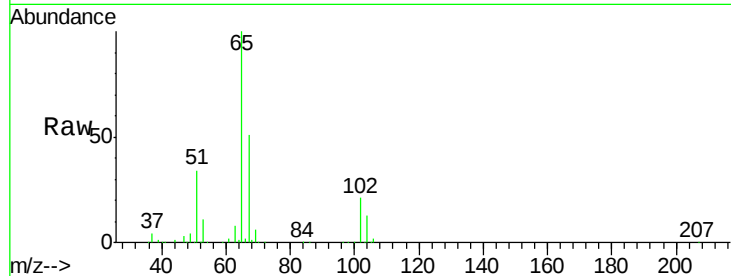
BP-VPB178-GW-358-360

Tot Ion: 65 Resp: 212548

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

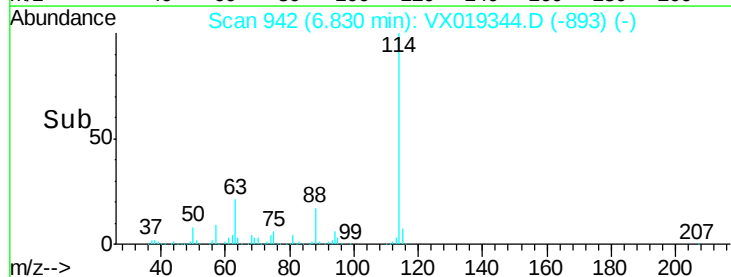
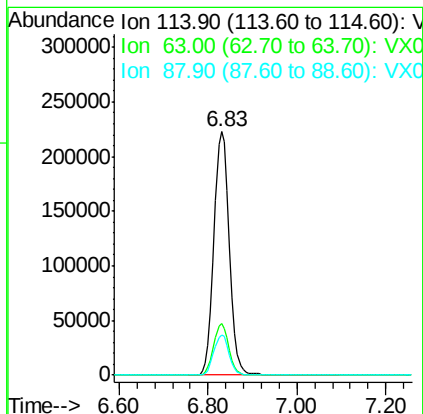
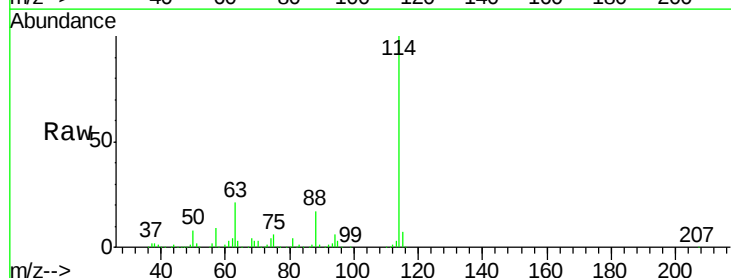
Tgt Ion: 114 Resp: 533318

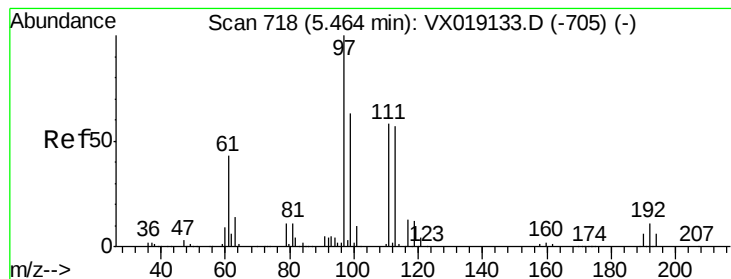
Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.8

88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.099 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-358-360

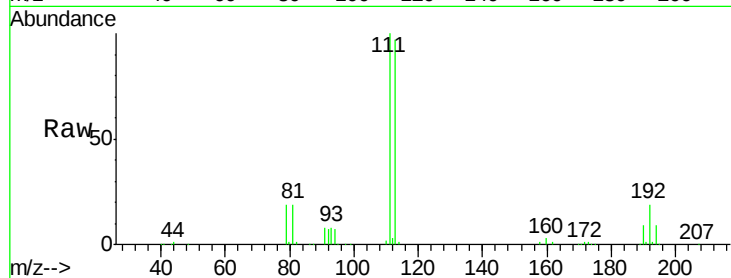
Tot Ion:113 Resp: 164481

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

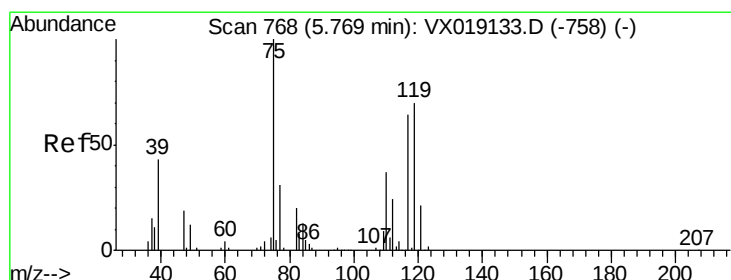
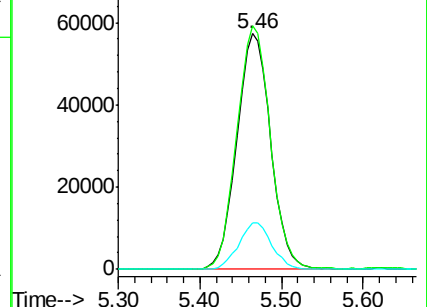
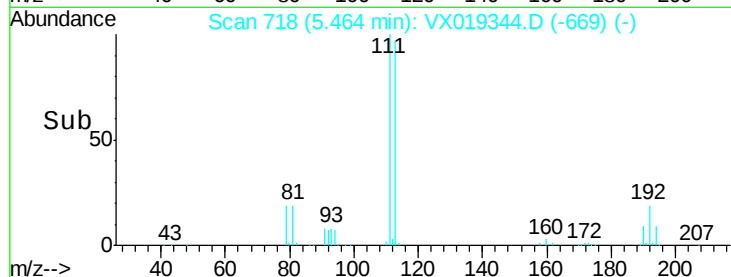
192 19.4 16.2 24.2



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: 4.990 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

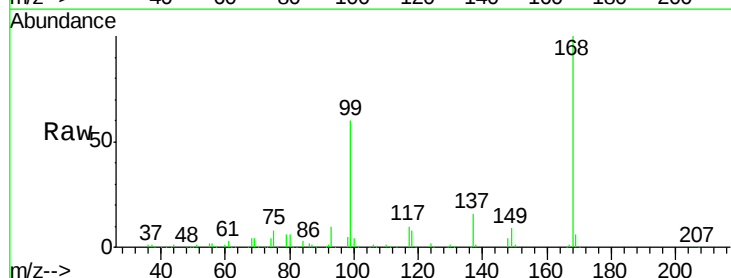
Tgt Ion: 75 Resp: 24577

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

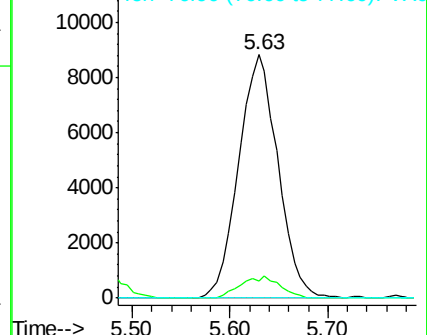
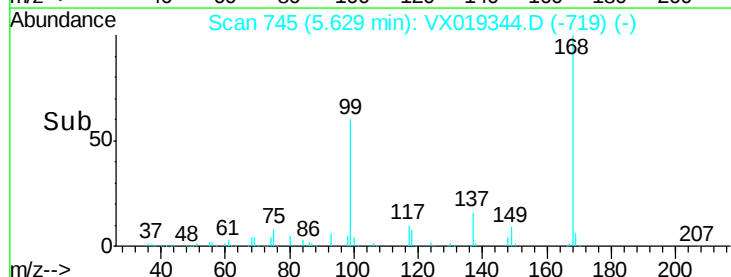
77 0.0 24.9 37.3#

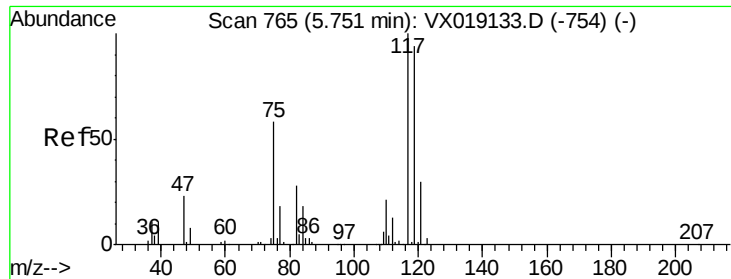


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

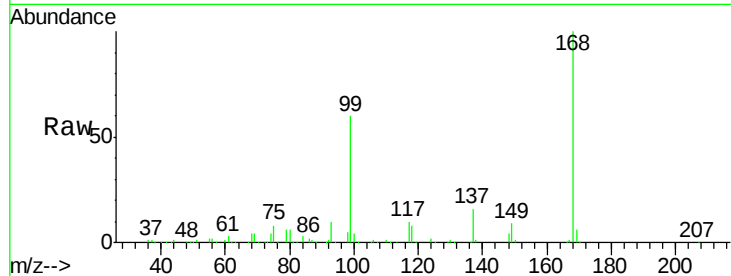




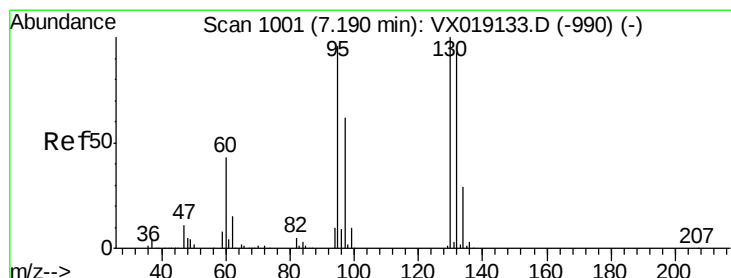
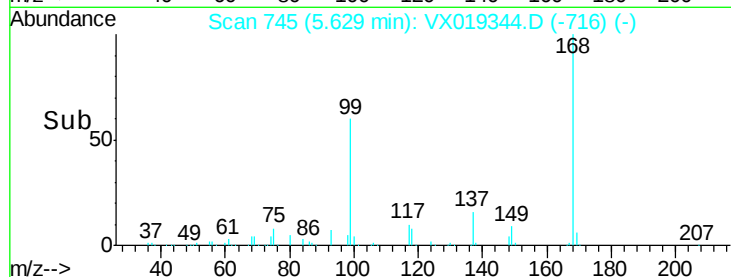
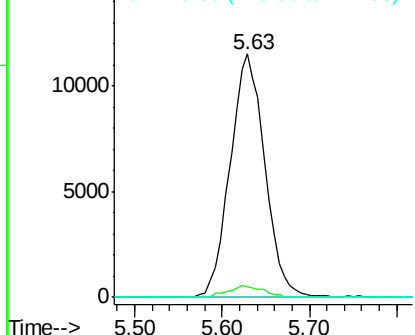
#38
Carbon Tetrachloride
Concen: 6.312 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019344.D
Acq: 06 Nov 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-358-360

Tot Ion:117 Resp: 31683
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 23.9 35.9#

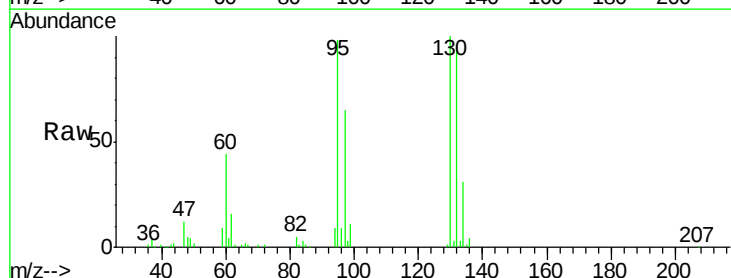


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

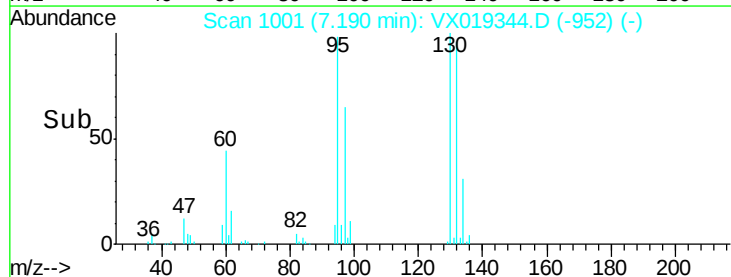
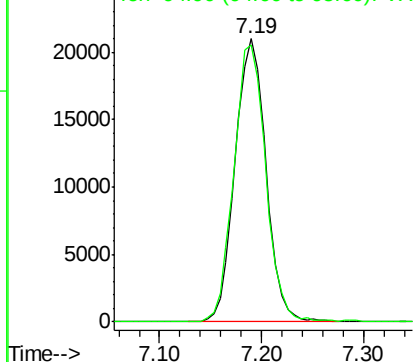


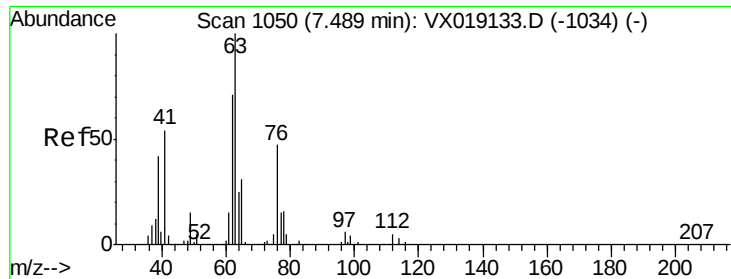
#44
Trichloroethene
Concen: 11.038 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX019344.D
Acq: 06 Nov 2020 16:06

Tgt Ion:130 Resp: 44139
Ion Ratio Lower Upper
130 100
95 98.0 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.880 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

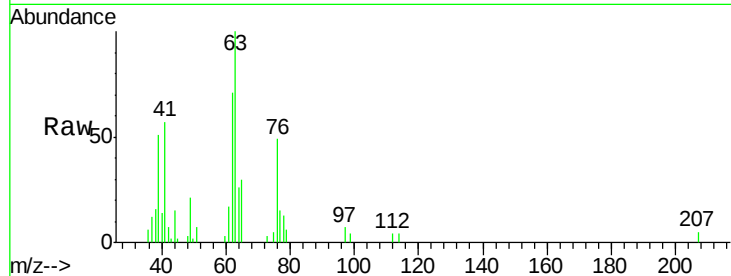
BP-VPB178-GW-358-360

Tot Ion: 63 Resp: 6429

Ion Ratio Lower Upper

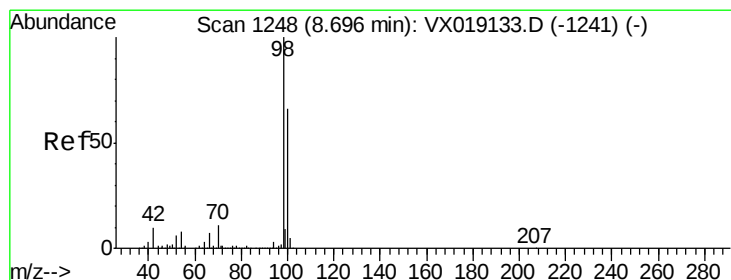
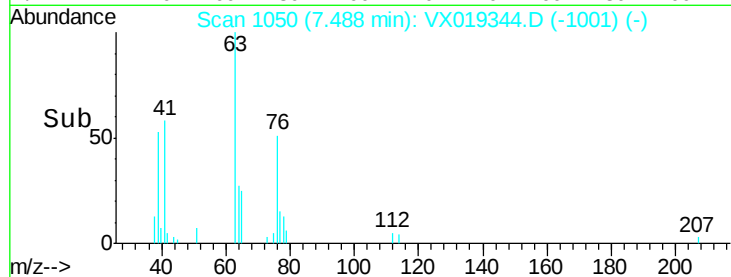
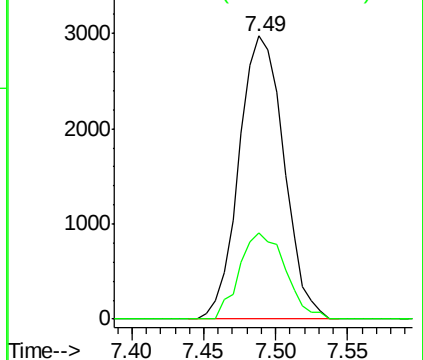
63 100

65 30.4 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#50

Toluene-d8

Concen: 51.398 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019344.D

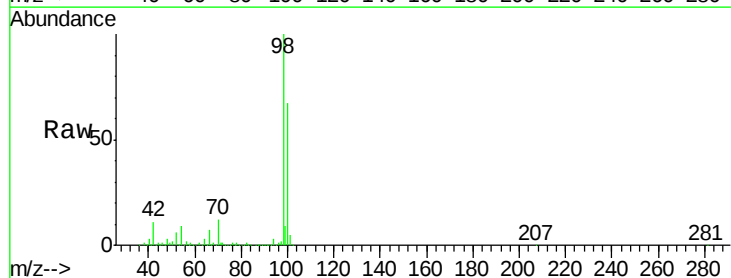
Acq: 06 Nov 2020 16:06

Tgt Ion: 98 Resp: 649068

Ion Ratio Lower Upper

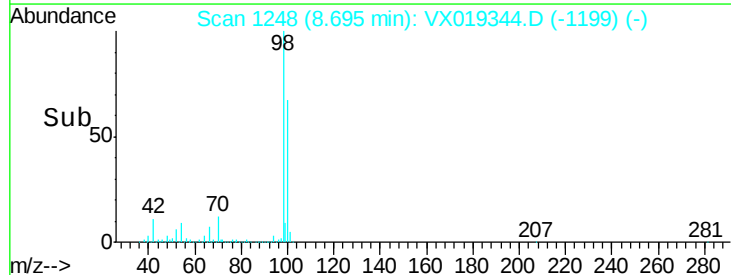
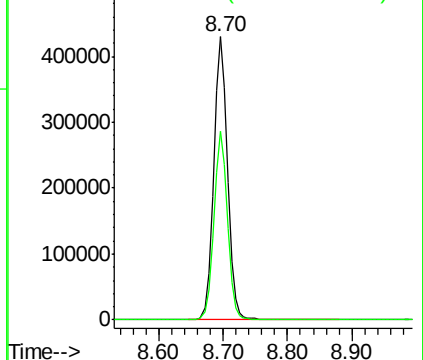
98 100

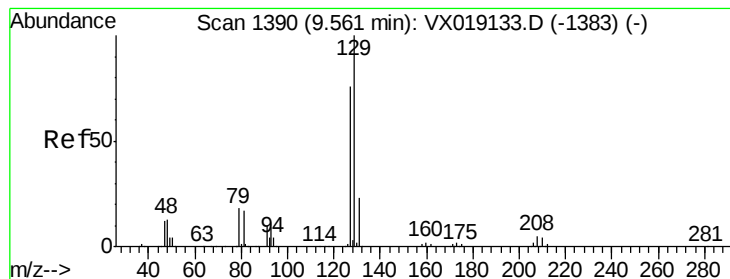
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 1.101 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

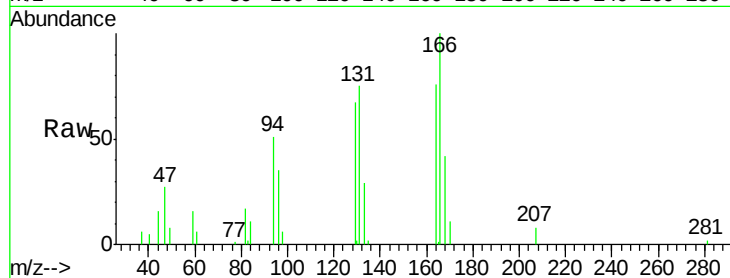
BP-VPB178-GW-358-360

Tot Ion:129 Resp: 4244

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

2500

2000

1500

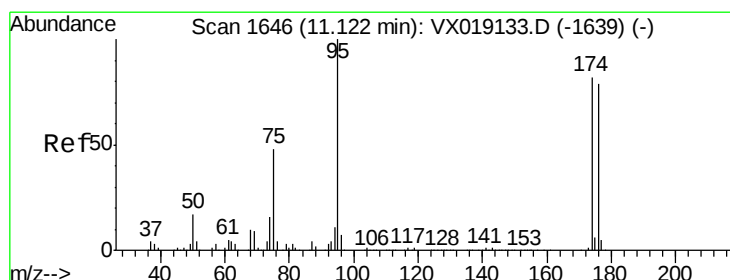
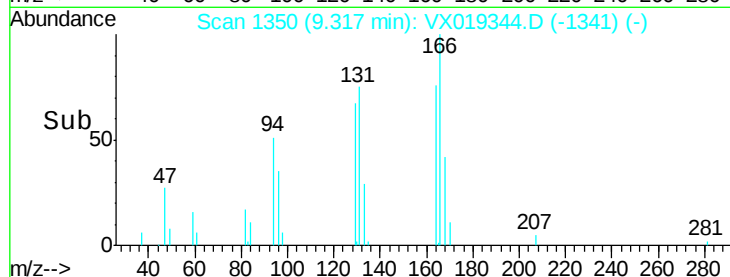
1000

500

0

9.25 9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 52.213 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

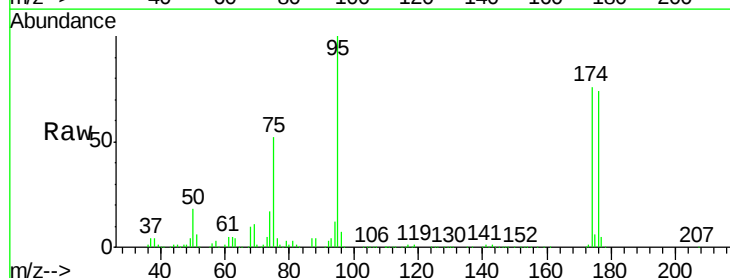
Tgt Ion: 95 Resp: 249701

Ion Ratio Lower Upper

95 100

174 75.1 0.0 156.0

176 72.4 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

250000

200000

150000

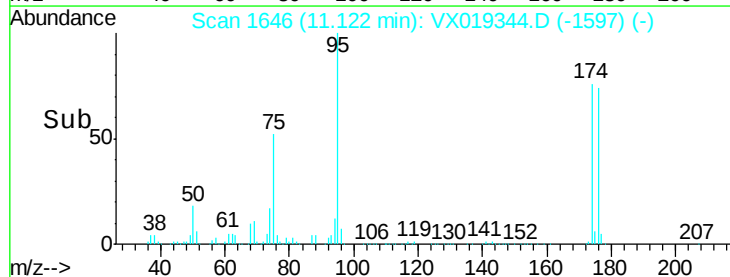
100000

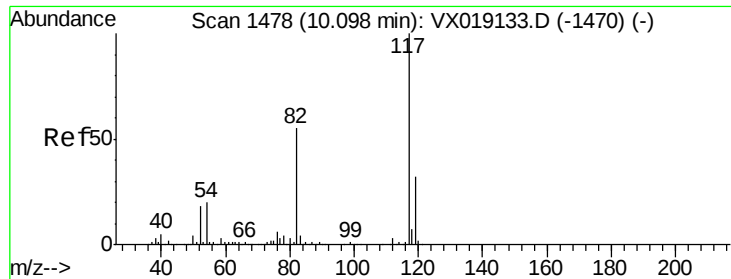
50000

0

11.10 11.12 11.20

Time-->

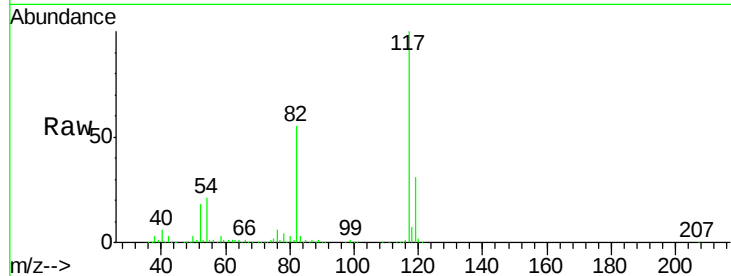




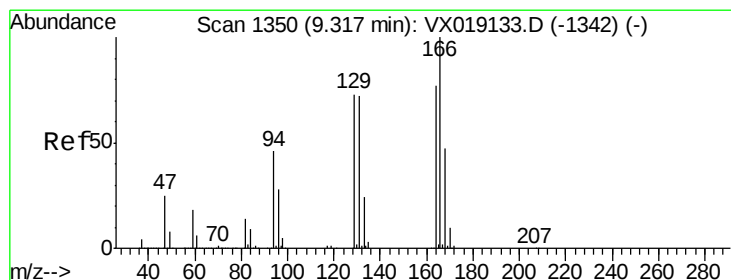
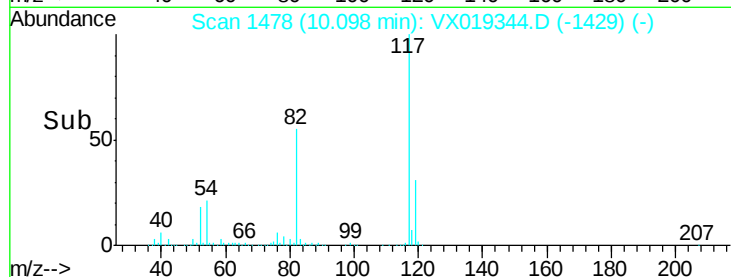
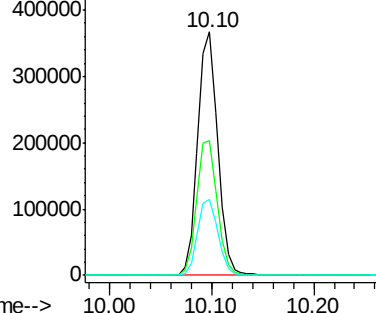
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019344.D
Acq: 06 Nov 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-358-360

Tot Ion:117 Resp: 498681
Ion Ratio Lower Upper
117 100
82 55.4 43.6 65.4
119 31.3 25.5 38.3

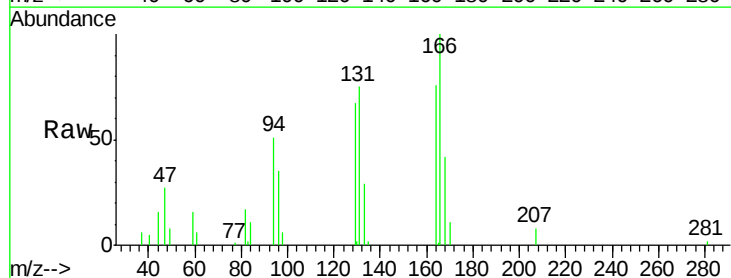


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

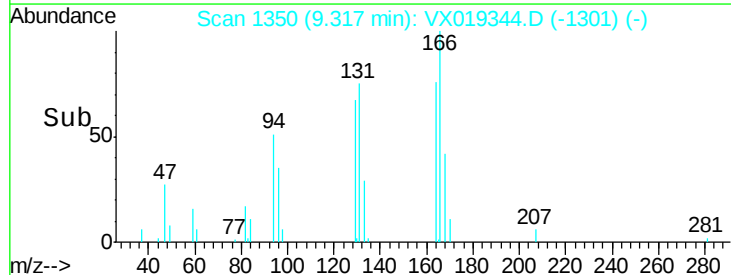
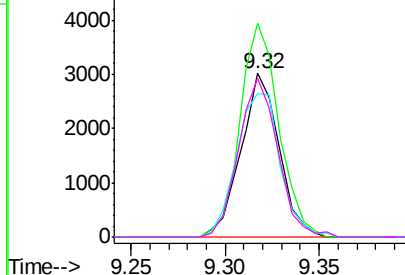


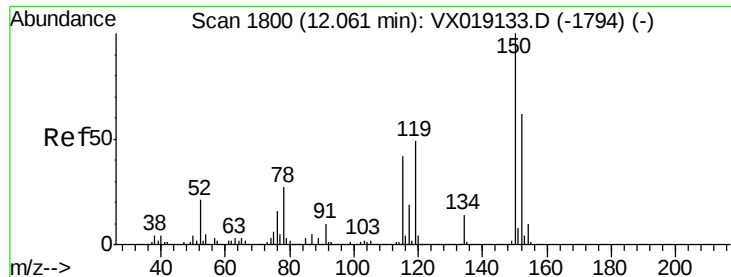
#64
Tetrachloroethene
Concen: 1.114 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019344.D
Acq: 06 Nov 2020 16:06

Tgt Ion:164 Resp: 4232
Ion Ratio Lower Upper
164 100
166 130.8 104.1 156.1
129 87.9 76.2 114.4
131 97.6 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: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-358-360

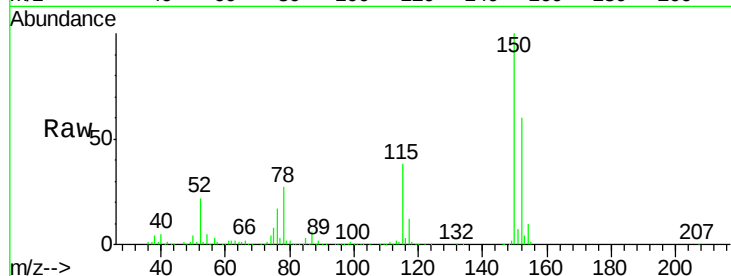
Tot Ion:152 Resp: 246352

Ion Ratio Lower Upper

152 100

115 61.6 41.9 125.7

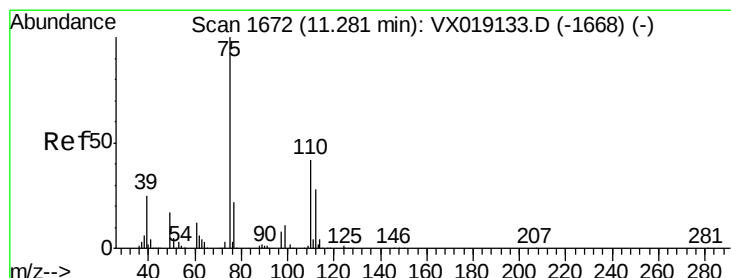
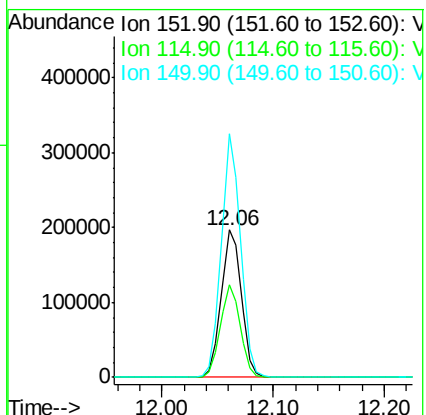
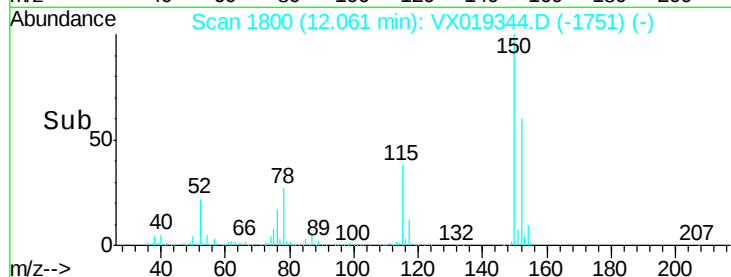
150 158.7 0.0 347.8



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: 25.423 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019344.D

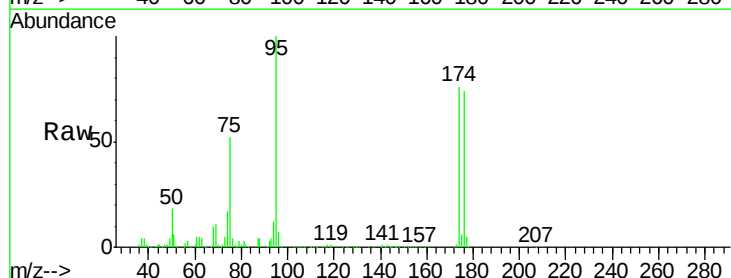
Acq: 06 Nov 2020 16:06

Tgt Ion: 75 Resp: 129320

Ion Ratio Lower Upper

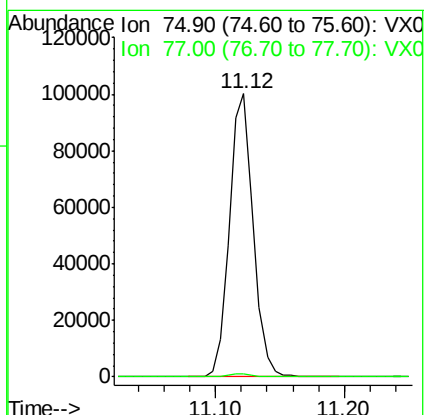
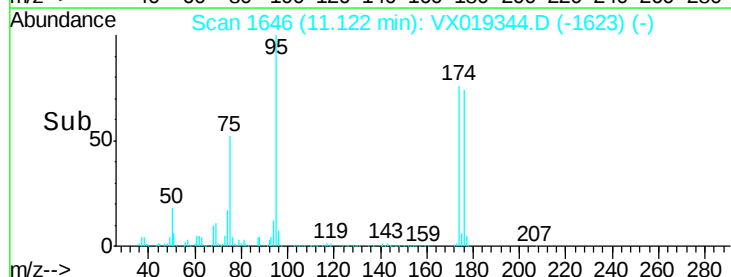
75 100

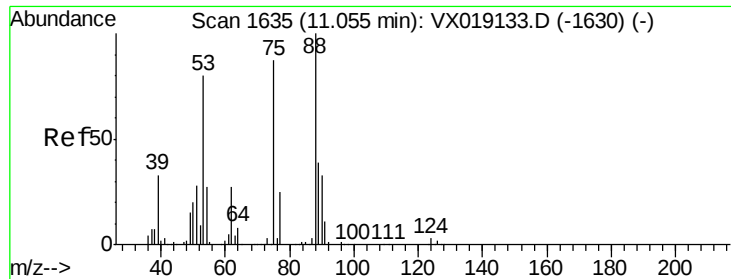
77 1.1 20.3 60.9#



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: 66.940 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019344.D

Acq: 06 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-358-360

Tot Ion: 75 Resp: 129320

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

