

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041020\
 Data File : VX015635.D
 Acq On : 10 Apr 2020 20:28
 Operator : JC/SP
 Sample : L2196-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-218-220

Quant Time: Apr 11 00:36:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1015640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1626439	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1564191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	862932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	666783	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	5.47	113	495570	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	8.70	98	1935283	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.12	95	828393	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

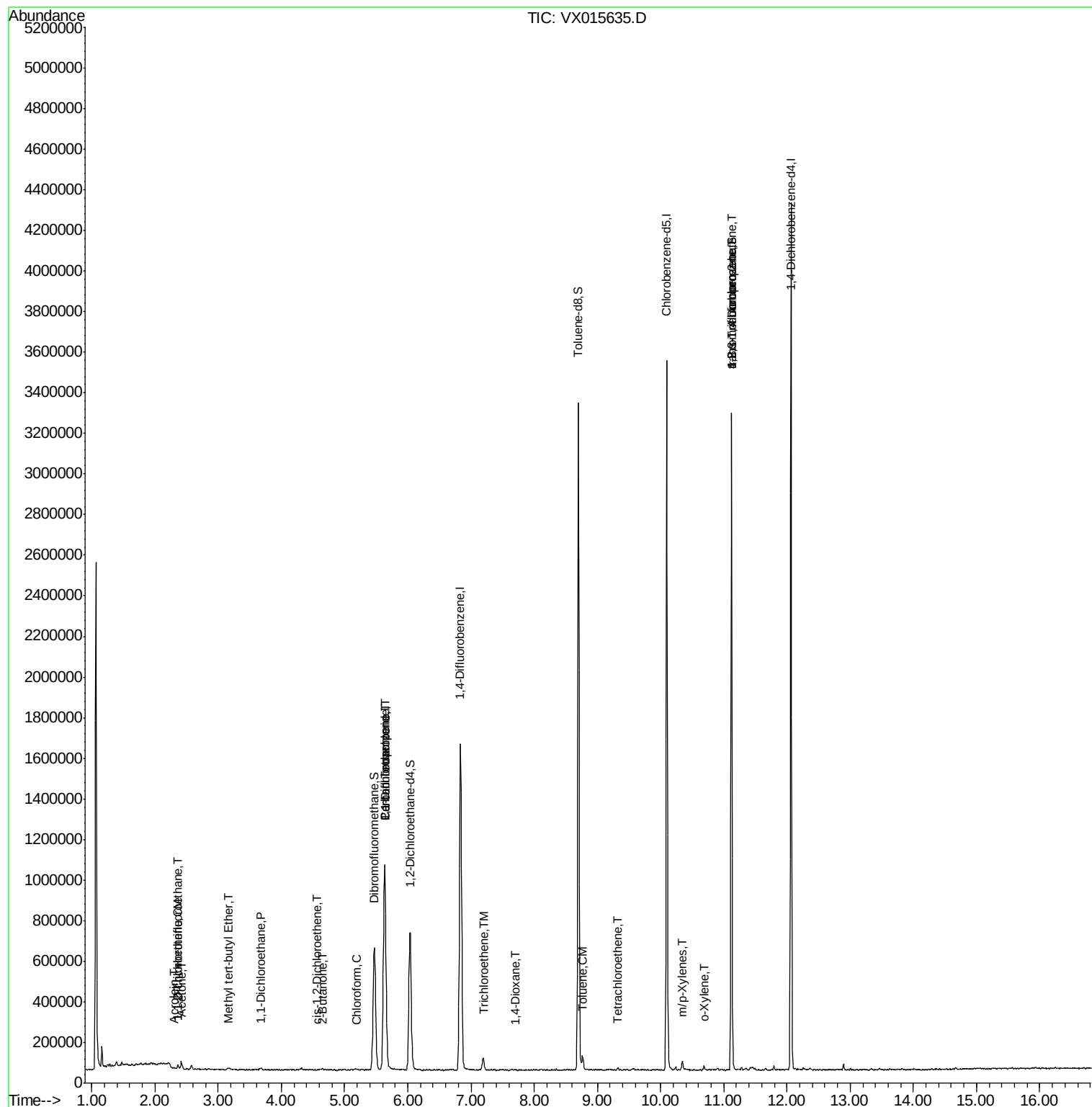
					Qvalue	
5) Bromomethane	1.64	94	742	Below Cal	#	33
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4682	0.512	ug/l	90
12) 1,1-Dichloroethene	2.36	96	3451	0.360	ug/l #	65
13) Acrolein	2.30	56	425	0.218	ug/l	92
16) Acetone	2.42	43	41223	6.698	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	10652	0.286	ug/l #	70
24) 1,1-Dichloroethane	3.68	63	11286	0.540	ug/l #	84
25) 2-Butanone	4.66	43	9579	0.968	ug/l #	62
27) cis-1,2-Dichloroethene	4.58	96	2783	0.226	ug/l	19
30) Chloroform	5.19	83	5270	0.262	ug/l	98
36) 1,1-Dichloropropene	5.64	75	77518	5.173	ug/l #	52
38) Carbon Tetrachloride	5.64	117	100633	6.200	ug/l #	15
44) Trichloroethene	7.20	130	25918	2.165	ug/l	89
49) 1,4-Dioxane	7.70	88	626	2.040	ug/l #	1
52) Toluene	8.77	92	22875	0.845	ug/l	93
64) Tetrachloroethene	9.32	164	2402	0.203	ug/l	93
68) m/p-Xylenes	10.34	106	10611	0.515	ug/l	96
69) o-Xylene	10.68	106	6307	0.310	ug/l	73
76) 1,2,3-Trichloropropane	11.12	75	425675	23.988	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	425675	57.558	ug/l #	10

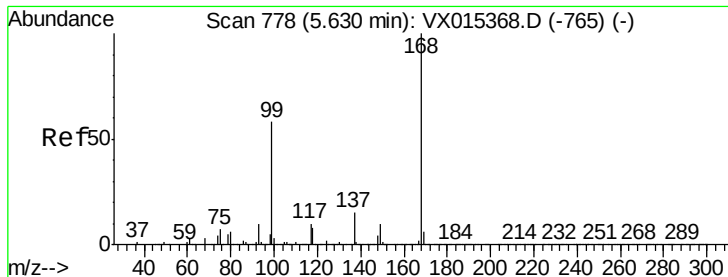
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 11 00:36:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

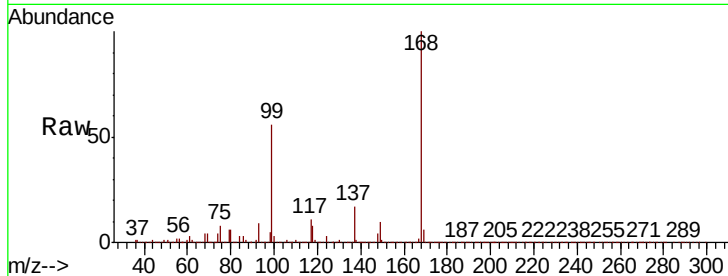
BP-VPB180-GW-218-220

Tot Ion:168 Resp: 1015640

Ion Ratio Lower Upper

168 100

99 56.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

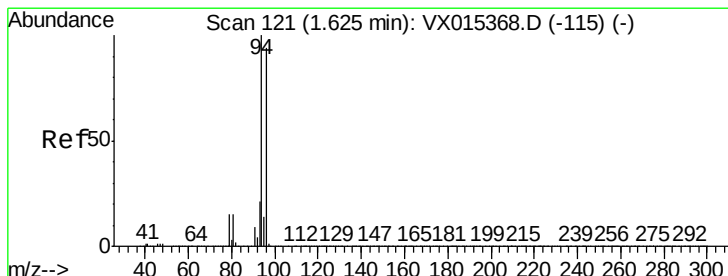
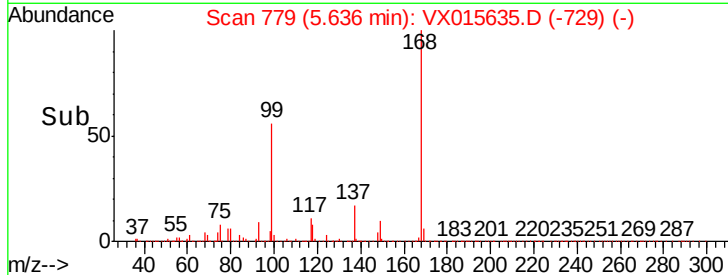
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015635.D

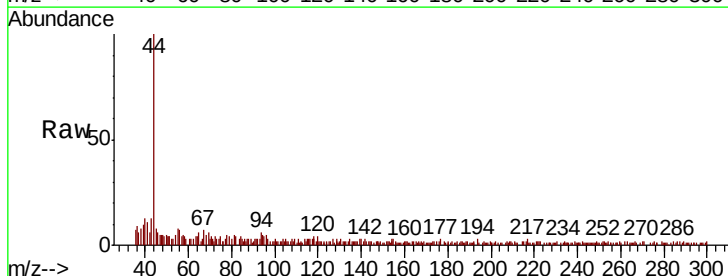
Acq: 10 Apr 2020 20:28

Tgt Ion: 94 Resp: 742

Ion Ratio Lower Upper

94 100

96 29.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

600

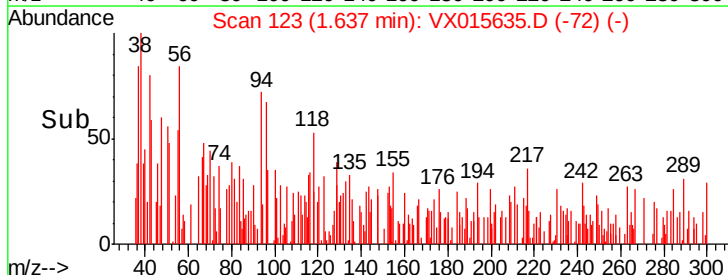
400

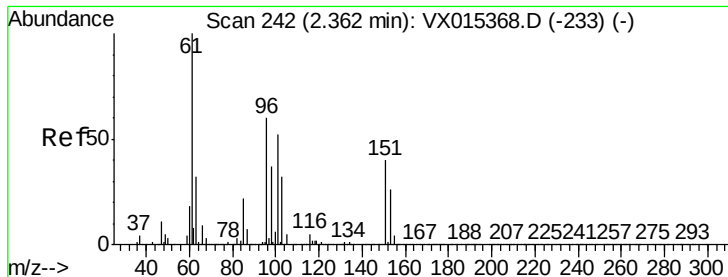
200

0

Time-->

1.60 1.62 1.64 1.66





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.512 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-218-220

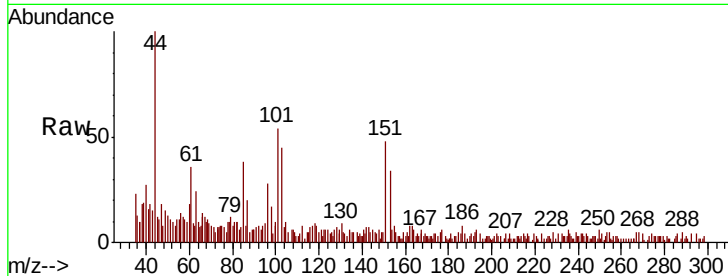
Tot Ion:101 Resp: 4682

Ion Ratio Lower Upper

101 100

85 45.9 35.0 52.4

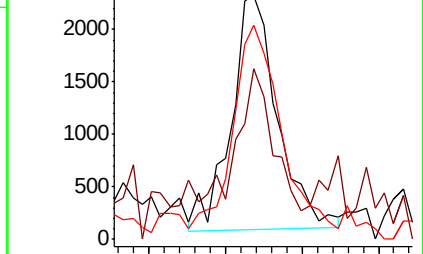
151 91.9 64.1 96.1



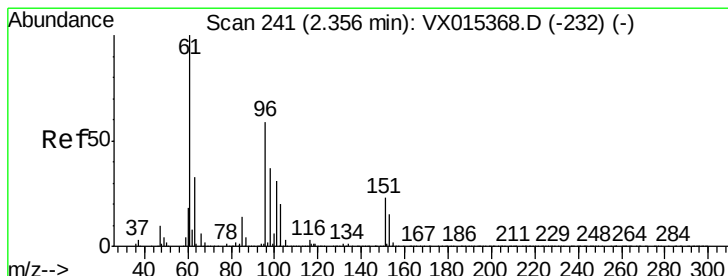
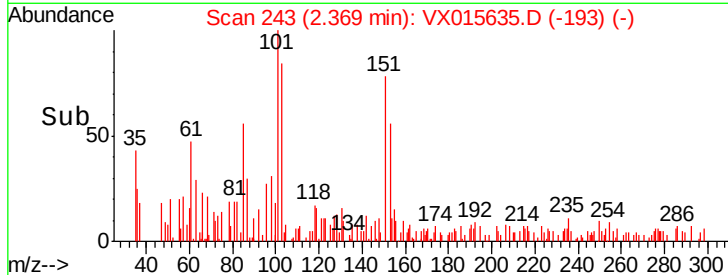
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.360 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

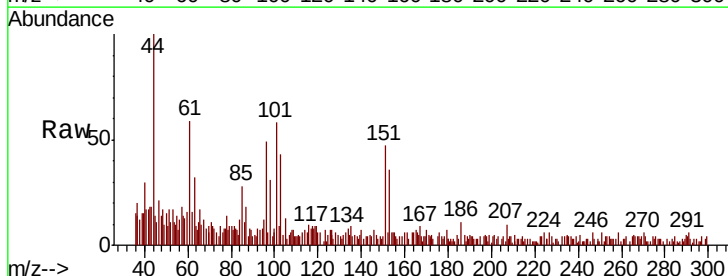
Tgt Ion: 96 Resp: 3451

Ion Ratio Lower Upper

96 100

61 115.6 135.7 203.5#

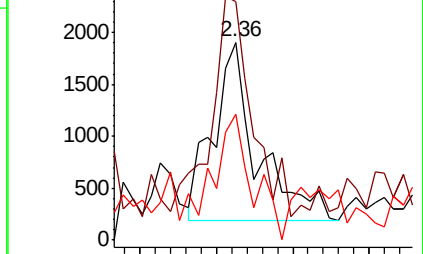
98 44.1 50.6 75.8#



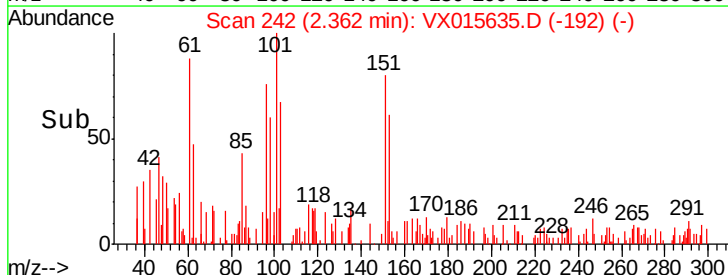
Abundance Ion 95.90 (95.60 to 96.60): VX0

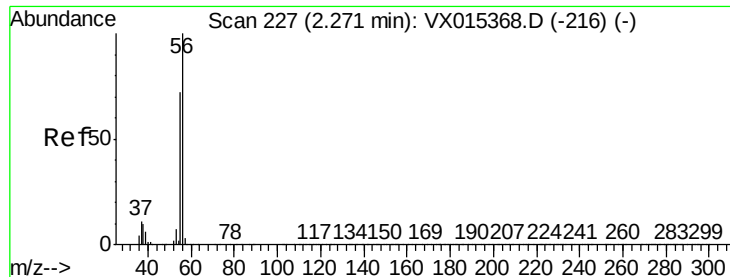
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->

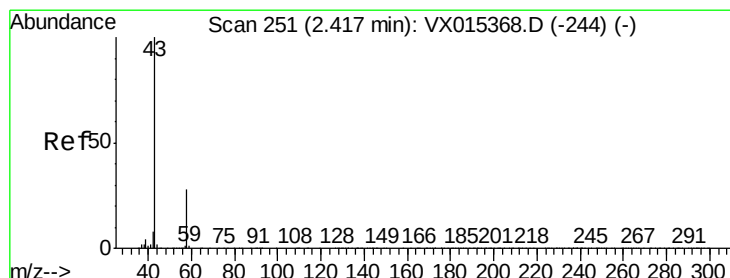
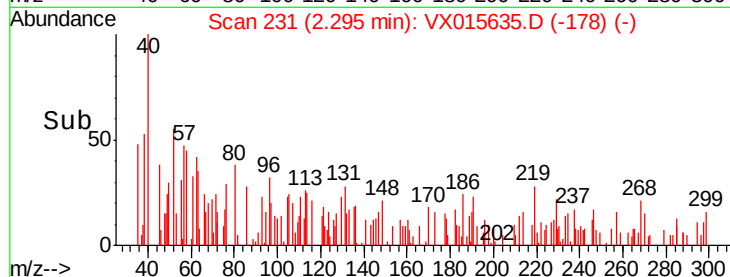
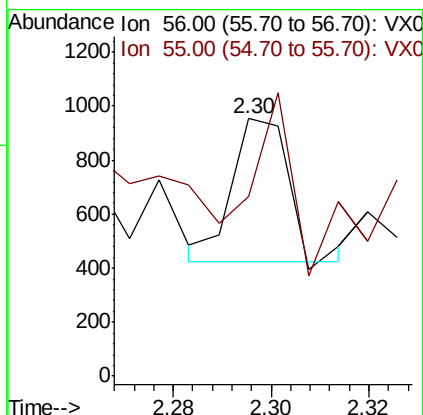
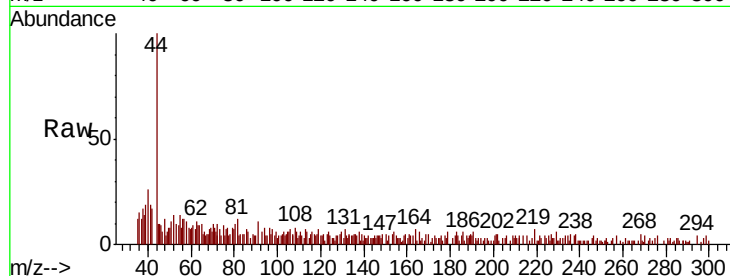




#13
Acrolein
Concen: 0.218 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.02 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

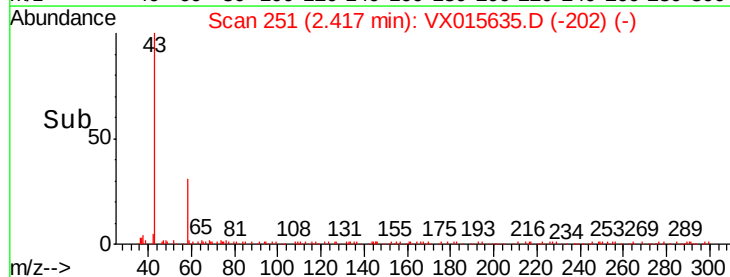
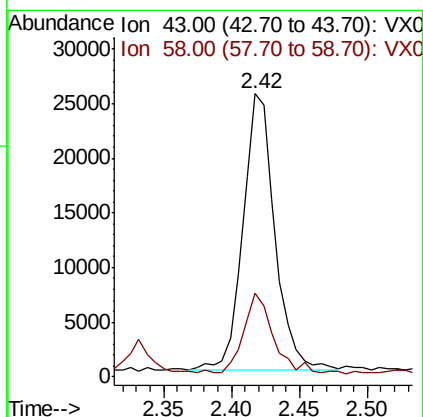
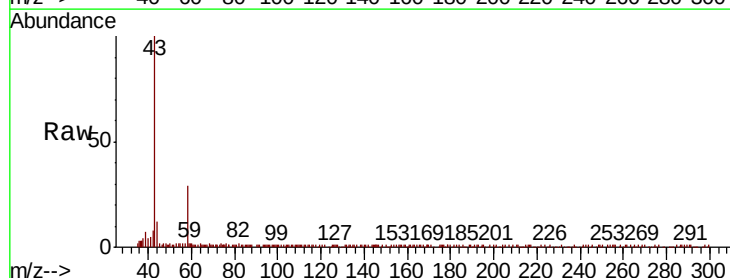
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-218-220

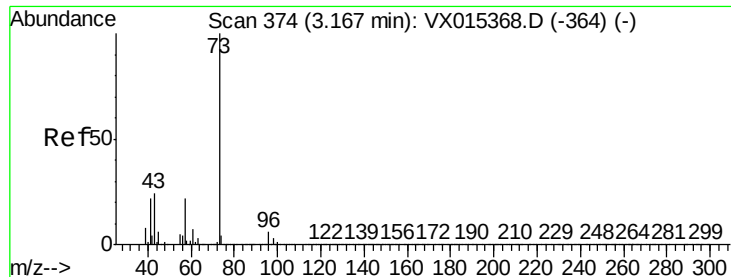
Tot Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
55 64.2 57.0 85.4



#16
Acetone
Concen: 6.698 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

Tgt Ion: 43 Resp: 41223
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1



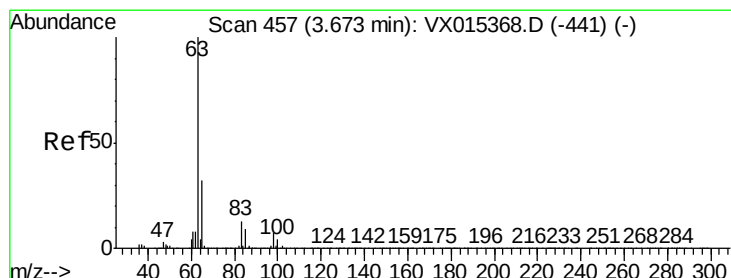
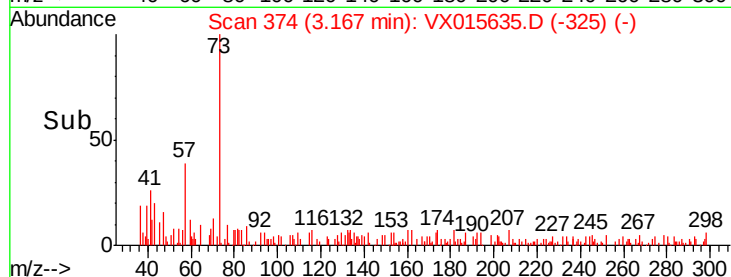
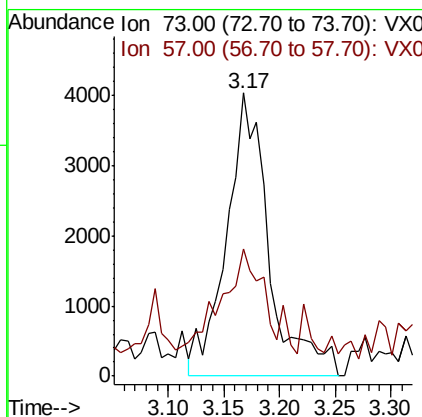
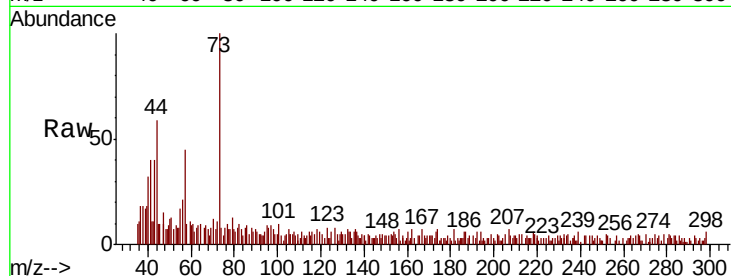


#19

Methyl tert-butyl Ether
 Concen: 0.286 ug/l
 RT: 3.17 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VX015635.D
 Acq: 10 Apr 2020 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-218-220

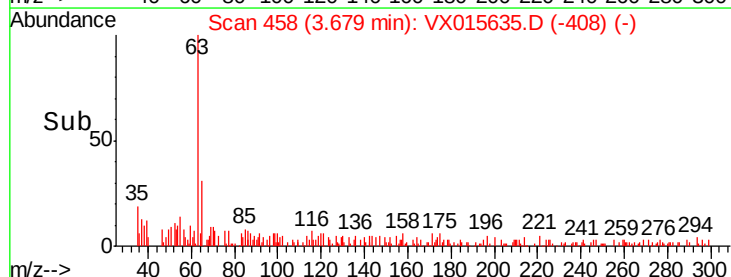
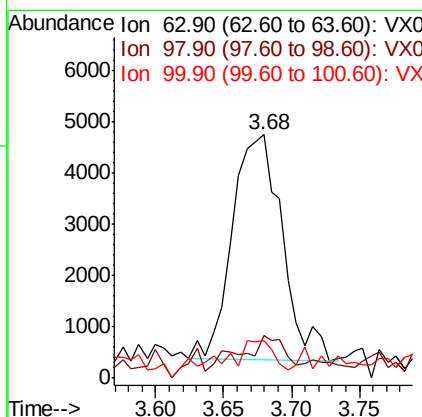
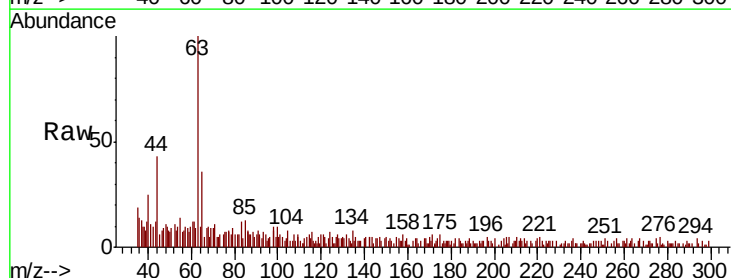
Tot Ion: 73 Resp: 10652
 Ion Ratio Lower Upper
 73 100
 57 37.0 17.9 26.9#

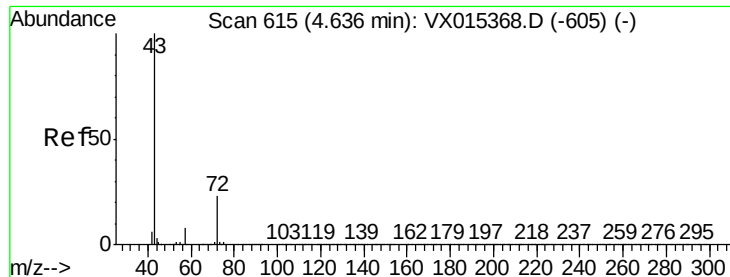


#24

1,1-Dichloroethane
 Concen: 0.540 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VX015635.D
 Acq: 10 Apr 2020 20:28

Tgt Ion: 63 Resp: 11286
 Ion Ratio Lower Upper
 63 100
 98 13.2 3.3 9.8#
 100 7.9 2.1 6.5#





#25

2-Butanone

Concen: 0.968 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

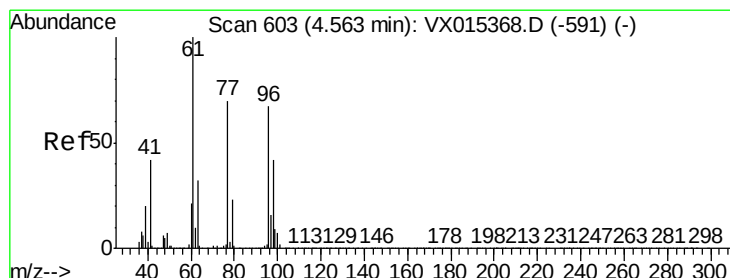
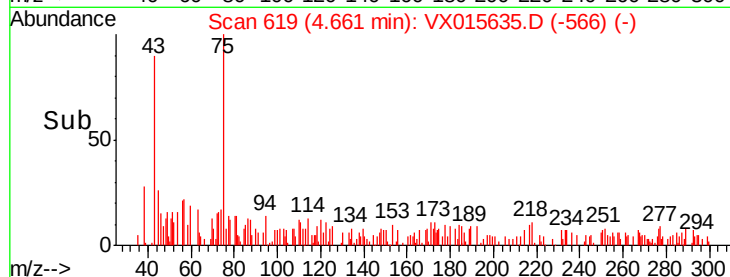
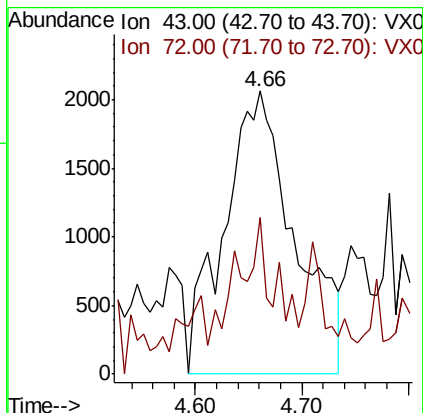
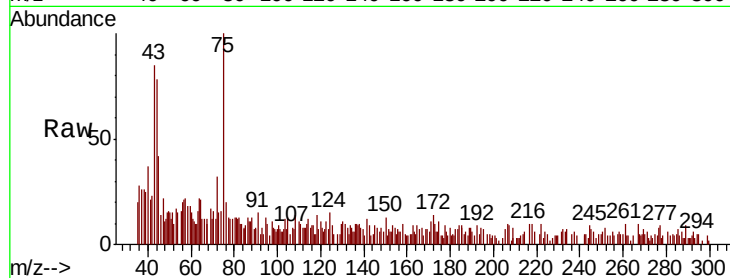
BP-VPB180-GW-218-220

Tot Ion: 43 Resp: 9579

Ion Ratio Lower Upper

43 100

72 42.2 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 0.226 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

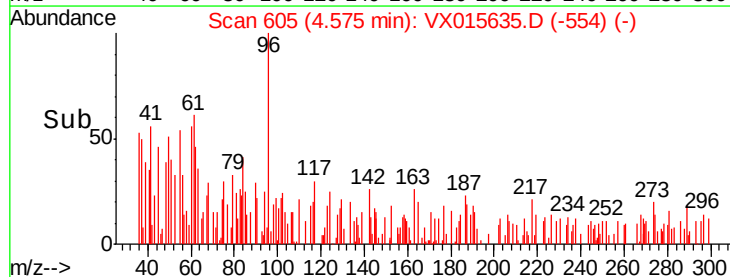
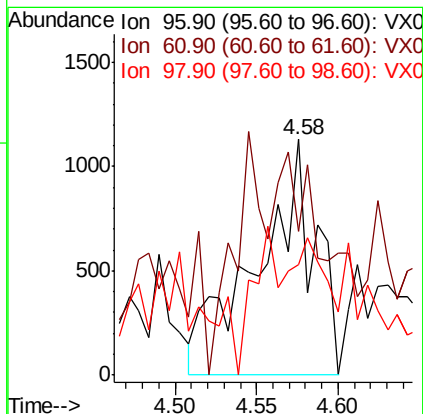
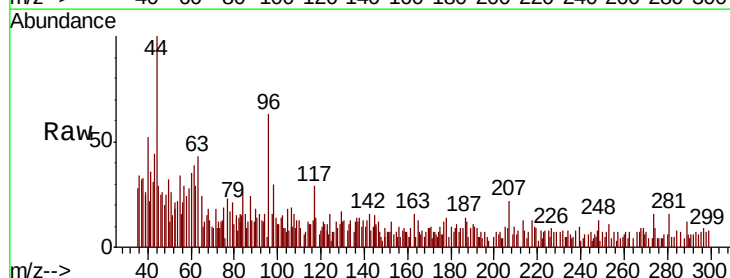
Tgt Ion: 96 Resp: 2783

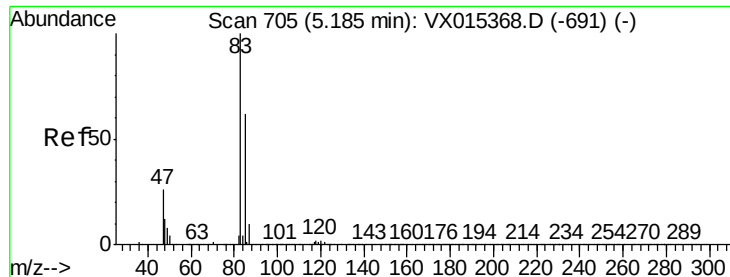
Ion Ratio Lower Upper

96 100

61 41.8 0.0 308.4

98 13.1 0.0 129.2

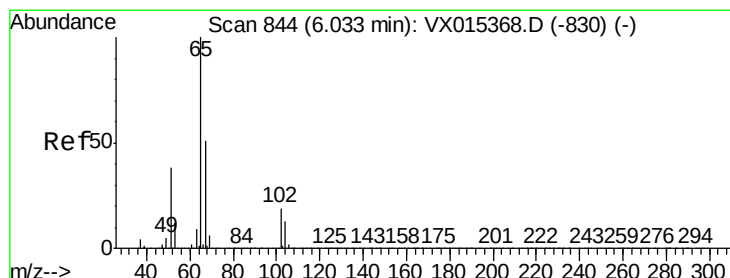
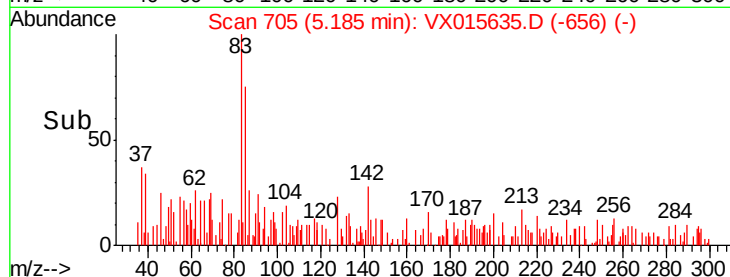
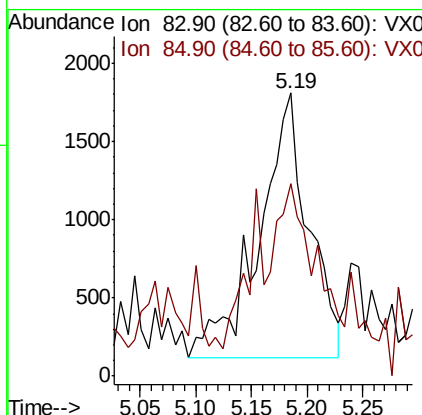
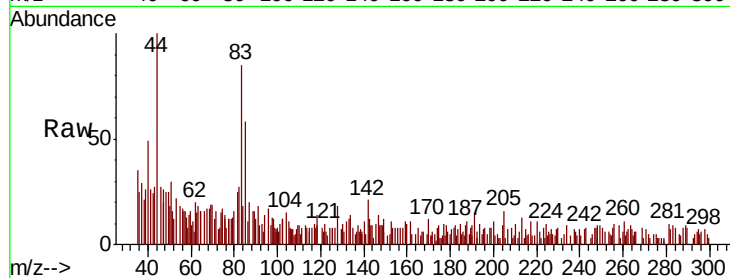




#30
Chloroform
Concen: 0.262 ug/l
RT: 5.19 min Scan# 705
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

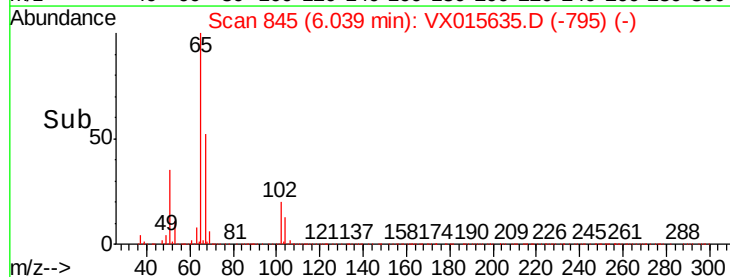
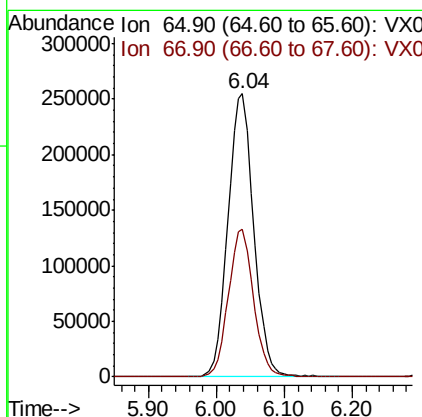
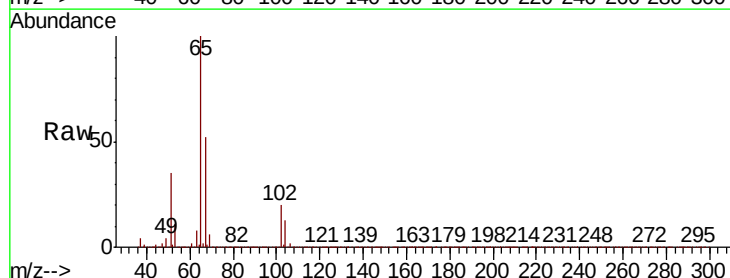
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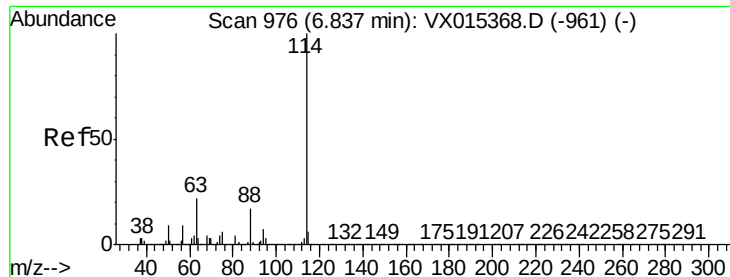
Tot Ion: 83 Resp: 5270
Ion Ratio Lower Upper
83 100
85 63.2 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 46.548 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

Tgt Ion: 65 Resp: 666783
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-218-220

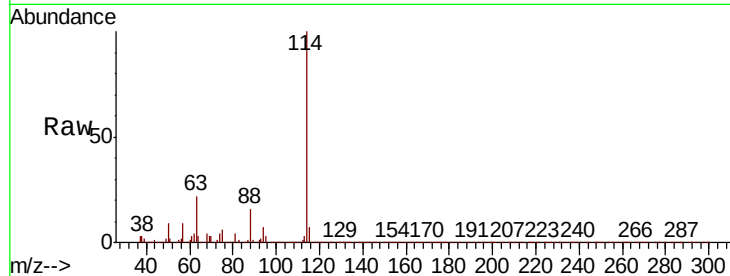
Tot Ion:114 Resp: 1626439

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

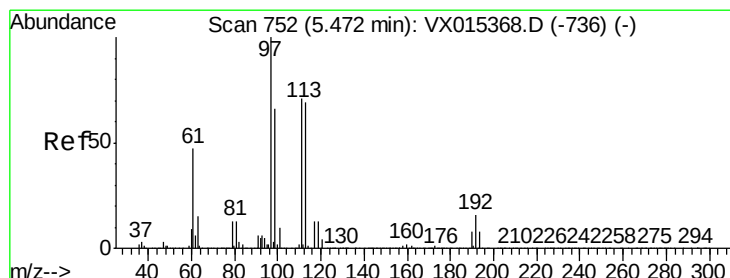
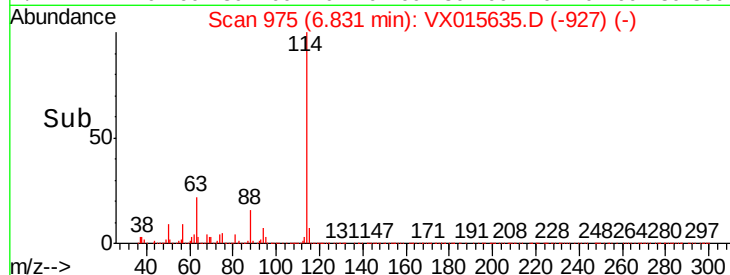
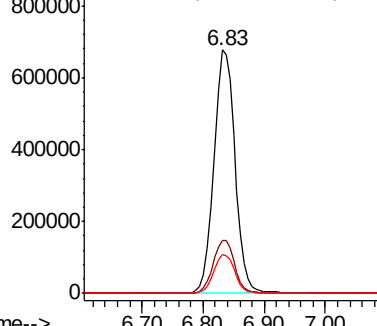
88 16.1 0.0 33.8



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: 47.666 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

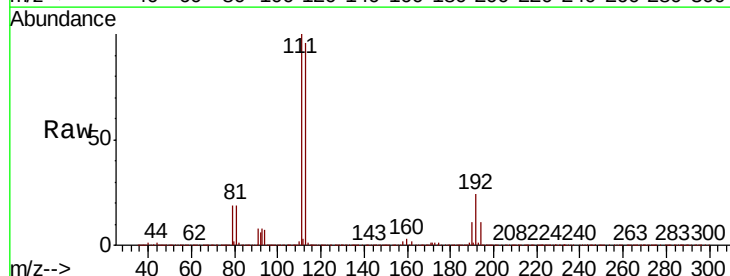
Tgt Ion:113 Resp: 495570

Ion Ratio Lower Upper

113 100

111 104.2 81.5 122.3

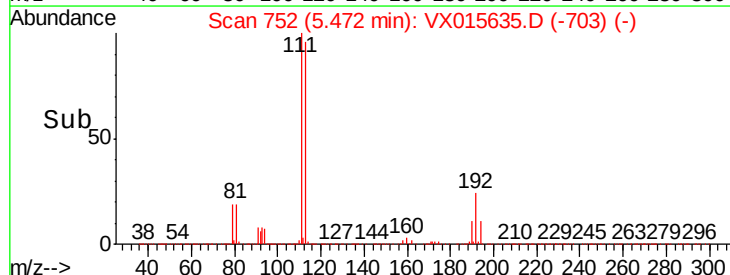
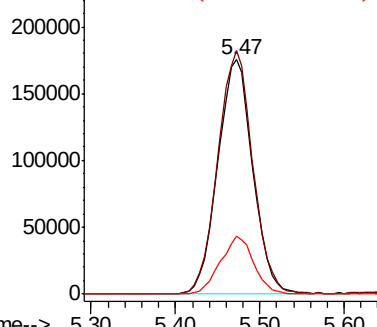
192 23.4 17.8 26.6

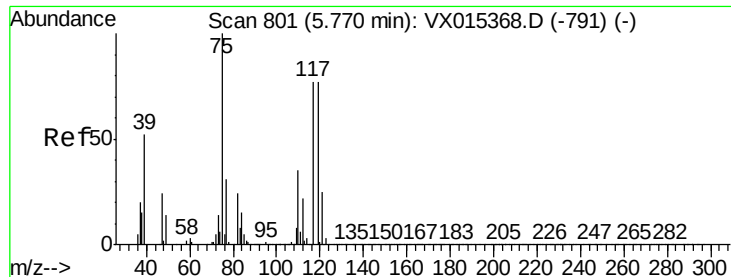


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.173 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-218-220

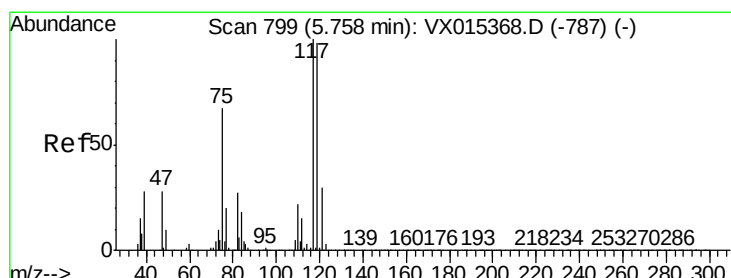
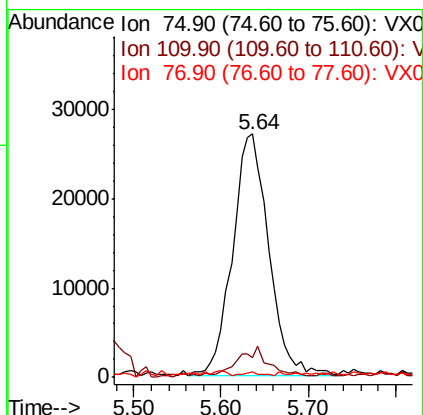
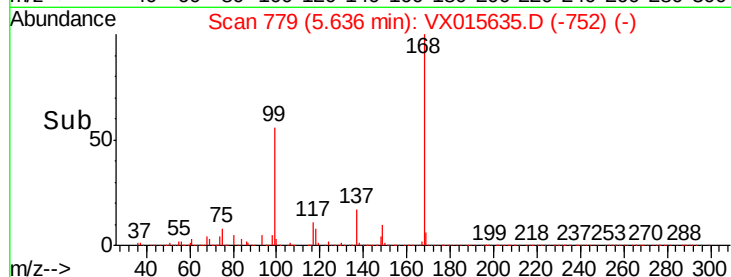
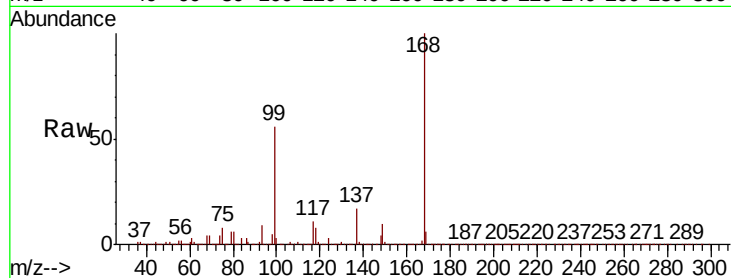
Tot Ion: 75 Resp: 77518

Ion Ratio Lower Upper

75 100

110 10.4 17.1 51.3#

77 0.5 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.200 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

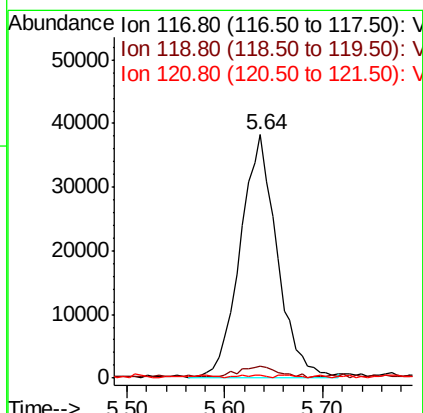
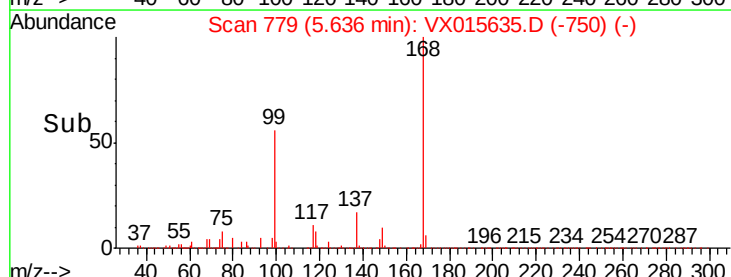
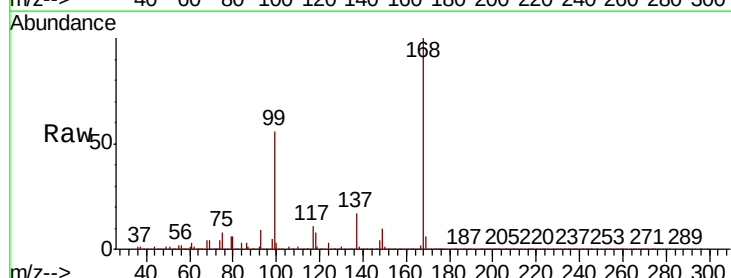
Tgt Ion:117 Resp: 100633

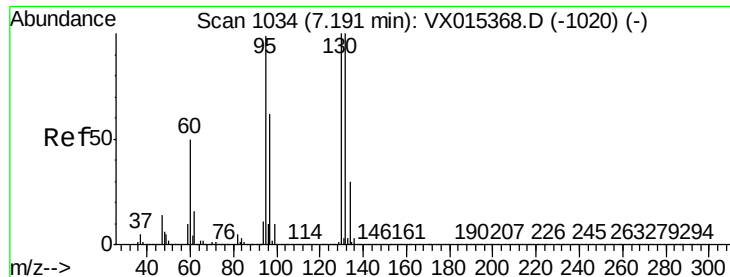
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.5 23.8 35.8#





#44

Trichloroethene

Concen: 2.165 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

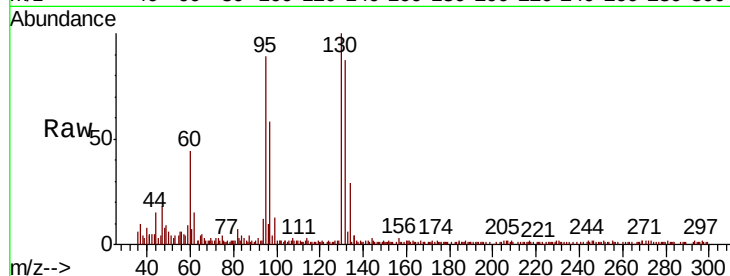
BP-VPB180-GW-218-220

Tot Ion:130 Resp: 25918

Ion Ratio Lower Upper

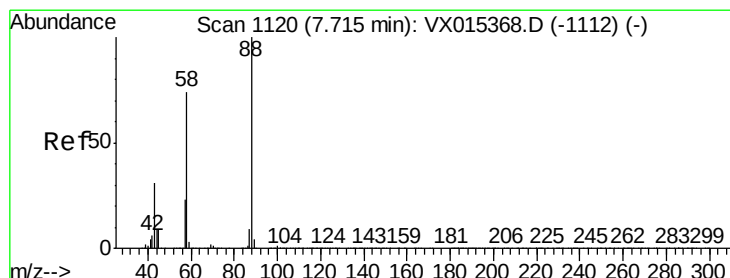
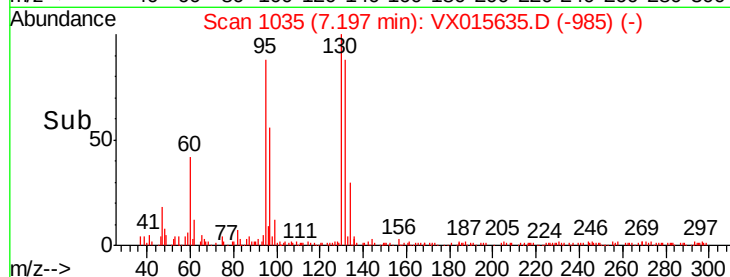
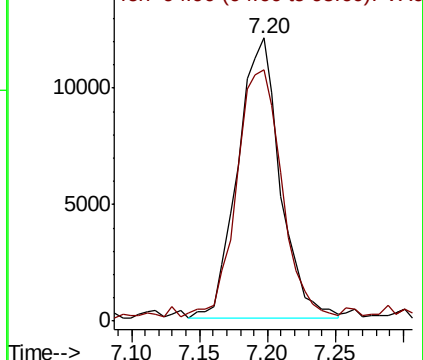
130 100

95 88.2 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.040 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.02 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

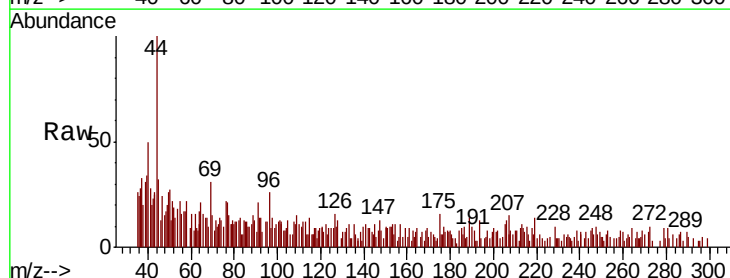
Tgt Ion: 88 Resp: 626

Ion Ratio Lower Upper

88 100

43 182.3 30.1 45.1#

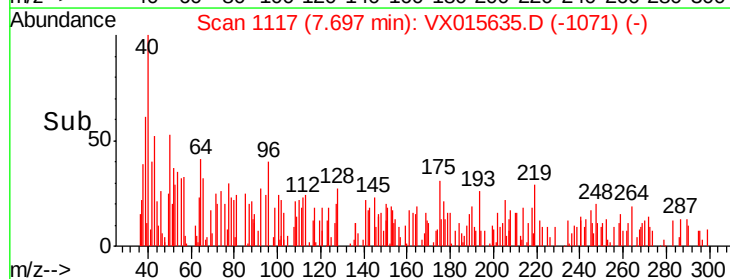
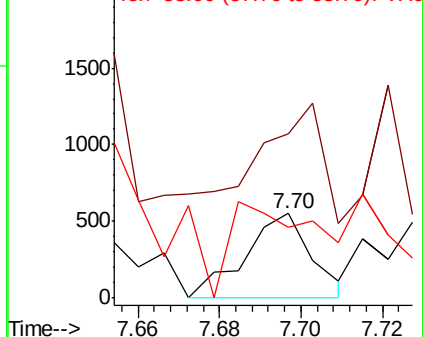
58 146.5 60.6 90.8#

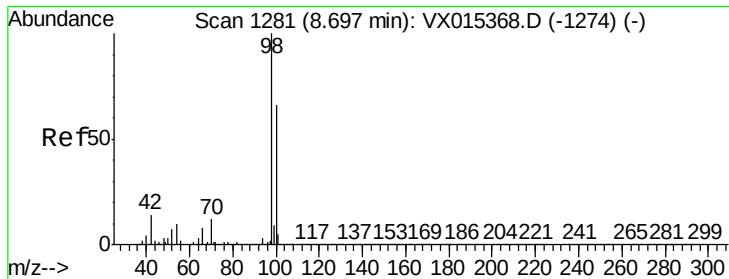


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

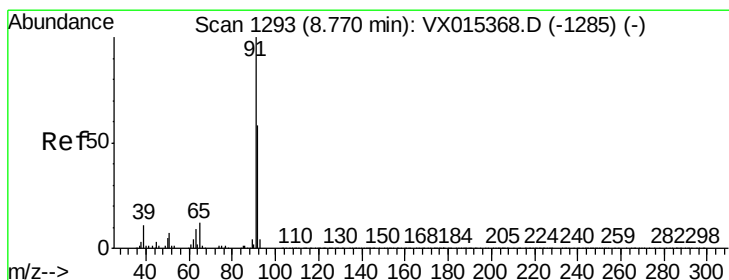
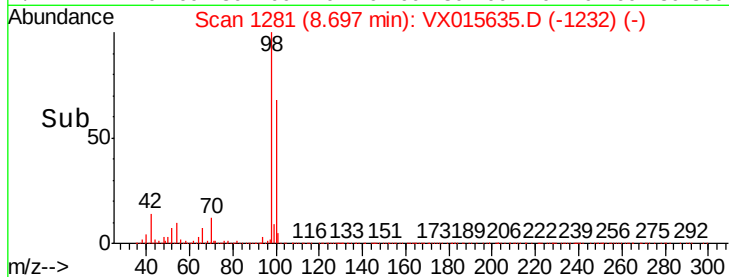
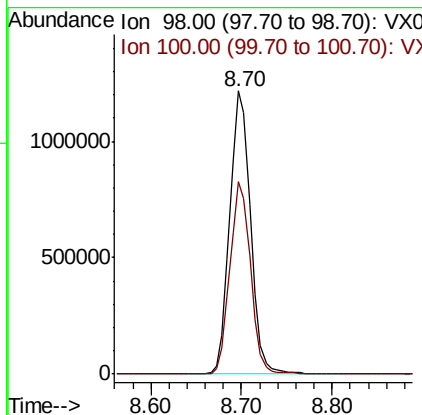
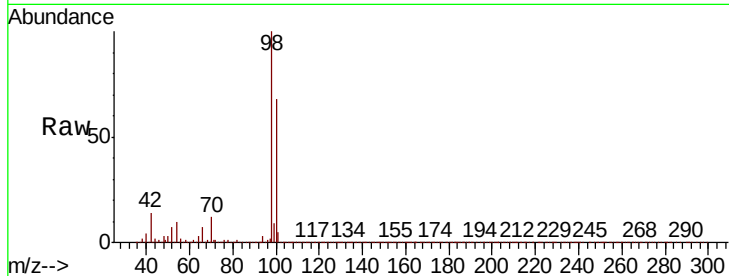




#50
Toluene-d8
Concen: 50.559 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

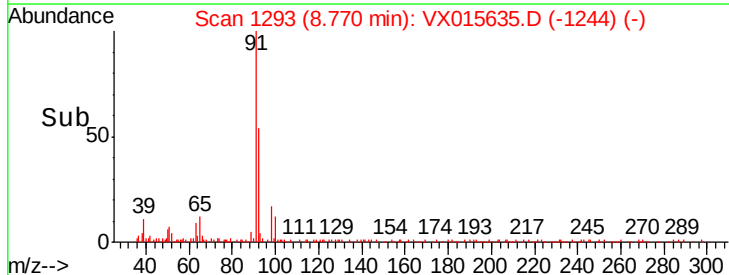
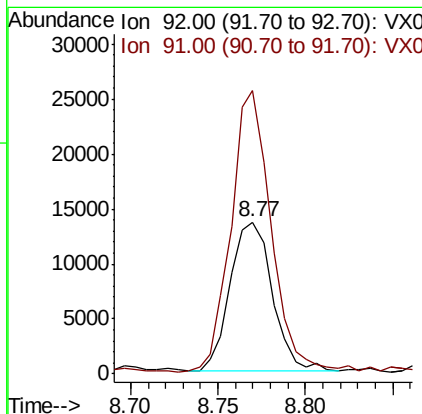
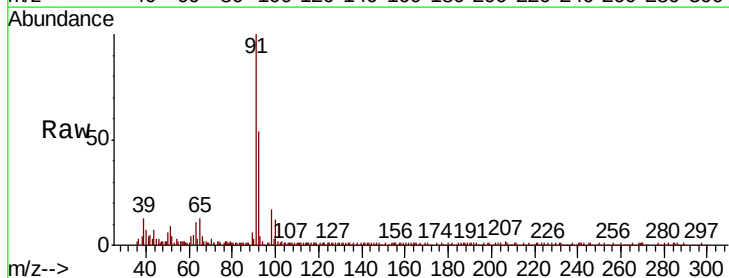
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-218-220

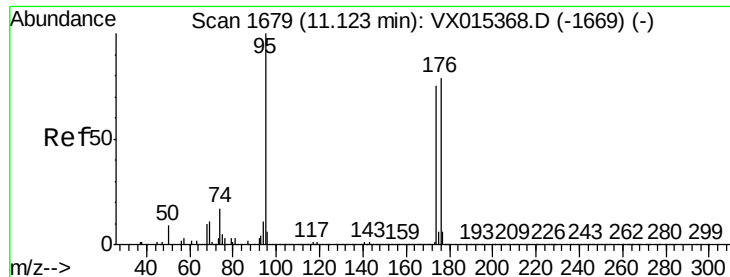
Tot Ion: 98 Resp: 1935283
Ion Ratio Lower Upper
98 100
100 67.7 53.5 80.3



#52
Toluene
Concen: 0.845 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

Tgt Ion: 92 Resp: 22875
Ion Ratio Lower Upper
92 100
91 179.8 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 53.252 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB180-GW-218-220

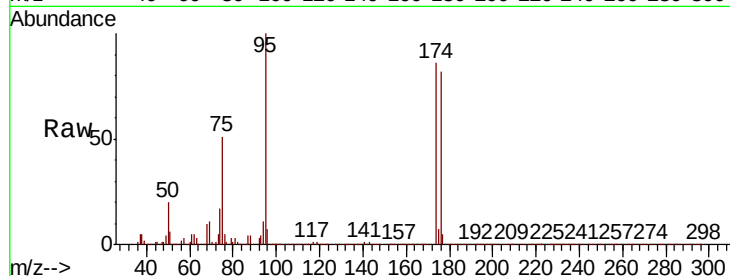
Tot Ion: 95 Resp: 828393

Ion Ratio Lower Upper

95 100

174 81.7 0.0 158.6

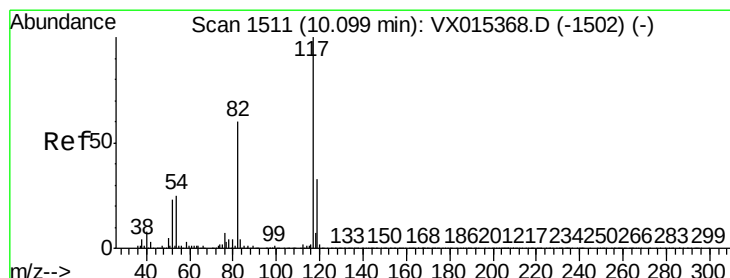
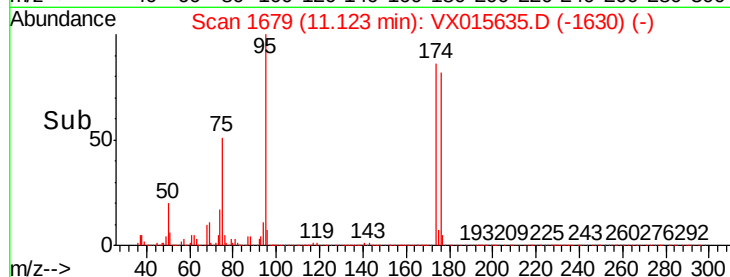
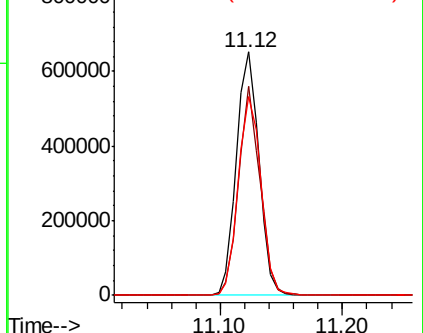
176 82.9 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015635.D

Acq: 10 Apr 2020 20:28

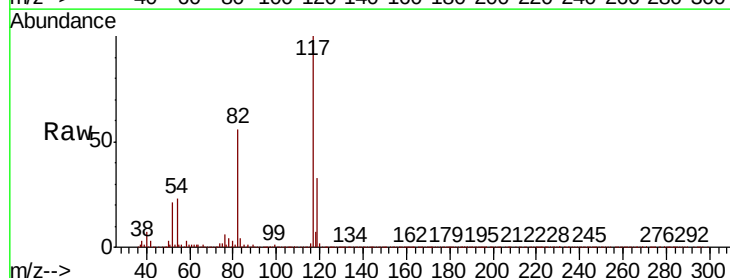
Tgt Ion: 117 Resp: 1564191

Ion Ratio Lower Upper

117 100

82 55.6 47.8 71.8

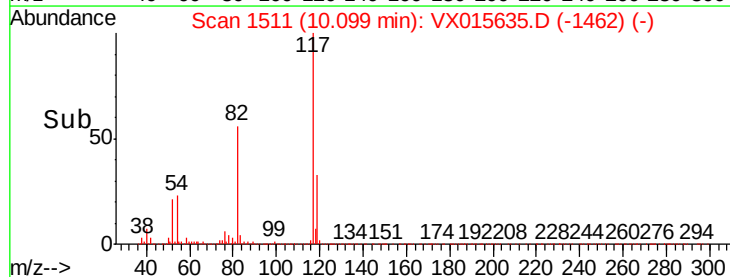
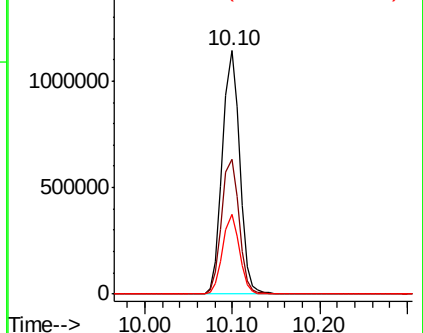
119 32.8 26.8 40.2

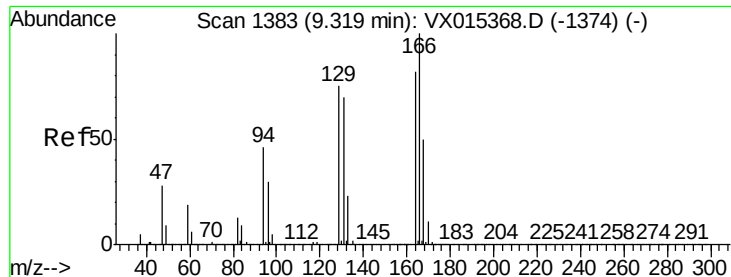


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

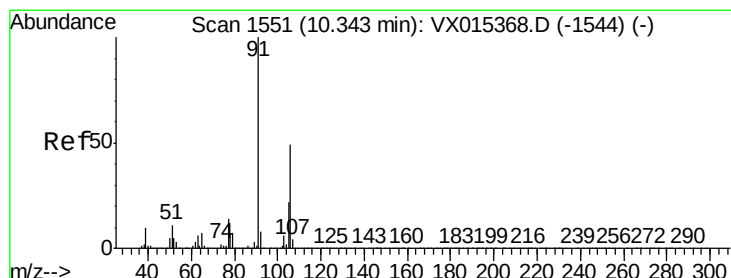
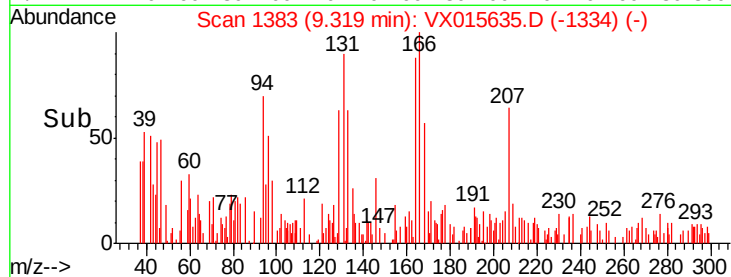
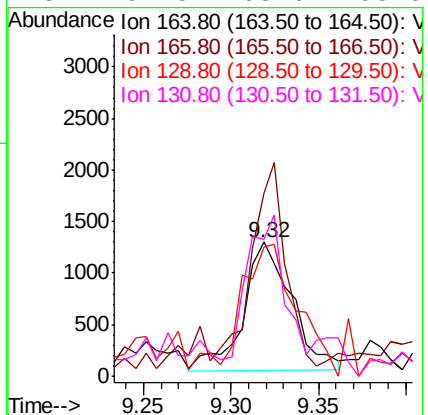
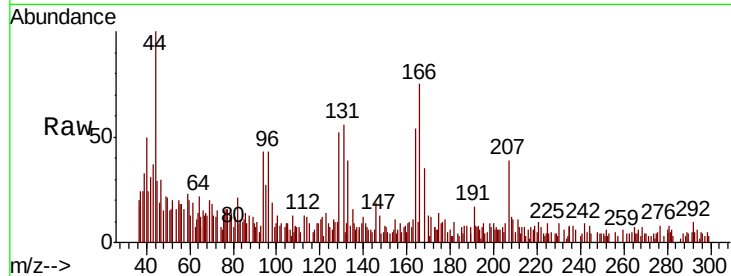




#64
Tetrachloroethene
Concen: 0.203 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

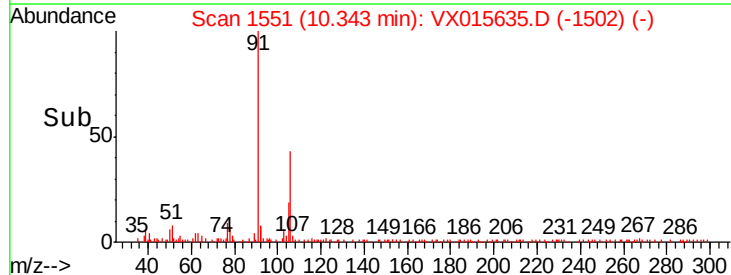
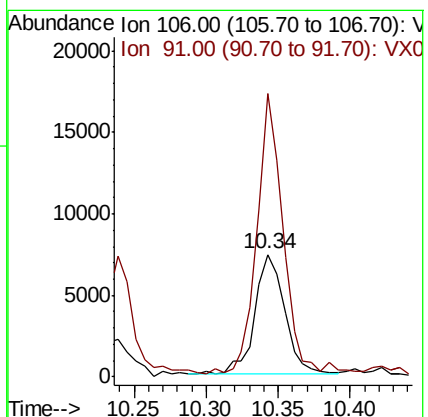
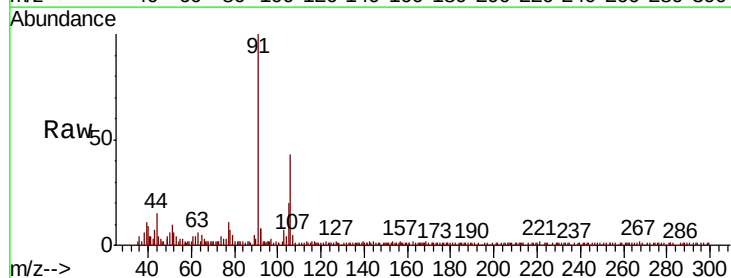
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-218-220

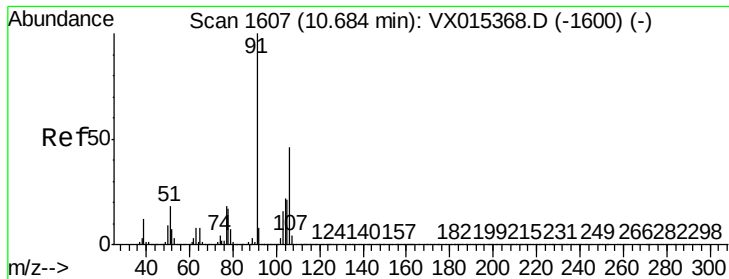
Tot Ion:164 Resp: 2402
Ion Ratio Lower Upper
164 100
166 129.6 97.8 146.6
129 97.1 73.0 109.4
131 92.5 68.6 103.0



#68
m/p-Xylenes
Concen: 0.515 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

Tgt Ion:106 Resp: 10611
Ion Ratio Lower Upper
106 100
91 198.5 163.4 245.0

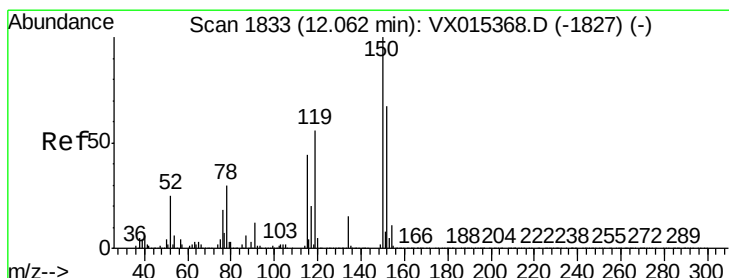
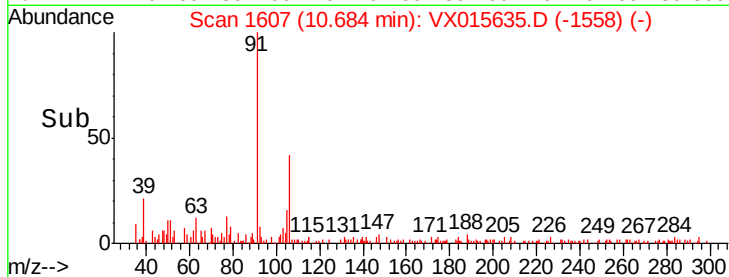
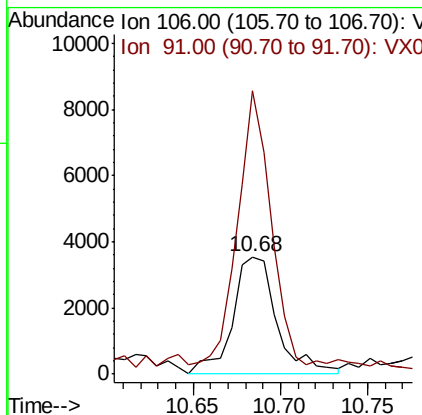
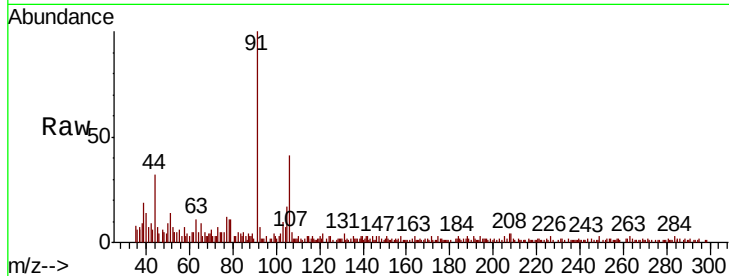




#69
o-Xylene
Concen: 0.310 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

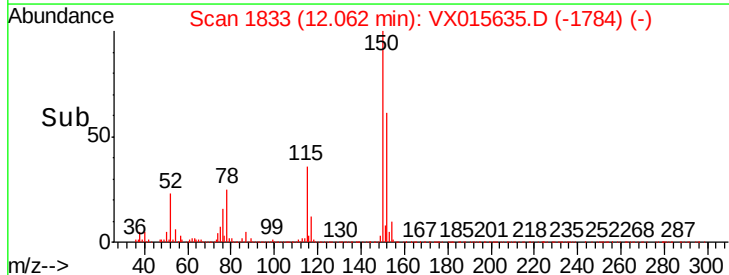
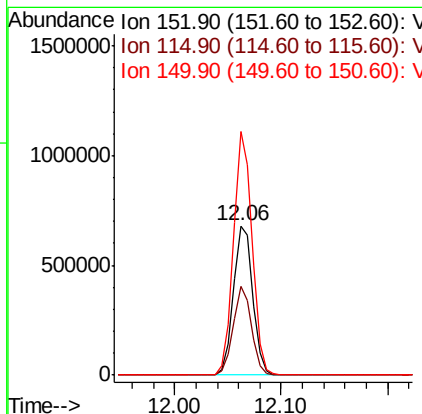
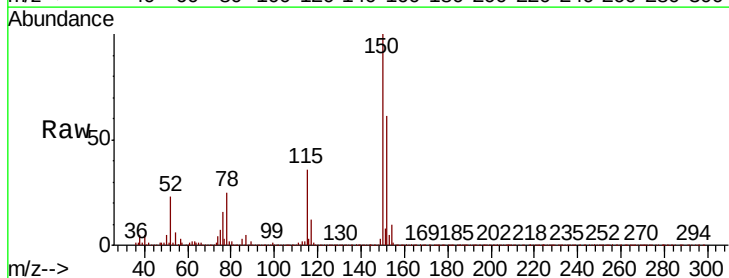
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB180-GW-218-220

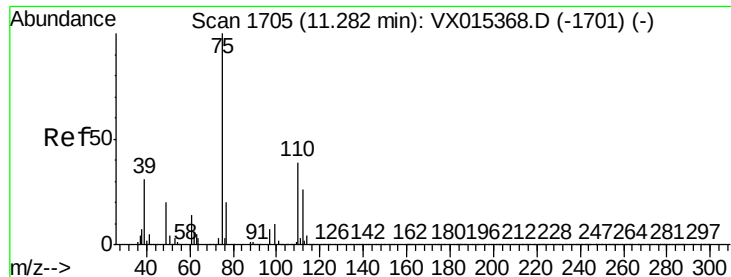
Tot Ion:106 Resp: 6307
Ion Ratio Lower Upper
106 100
91 171.3 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015635.D
Acq: 10 Apr 2020 20:28

Tgt Ion:152 Resp: 862932
Ion Ratio Lower Upper
152 100
115 56.6 39.0 116.9
150 157.6 0.0 340.8

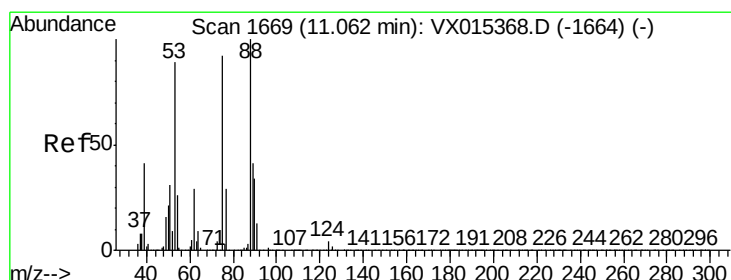
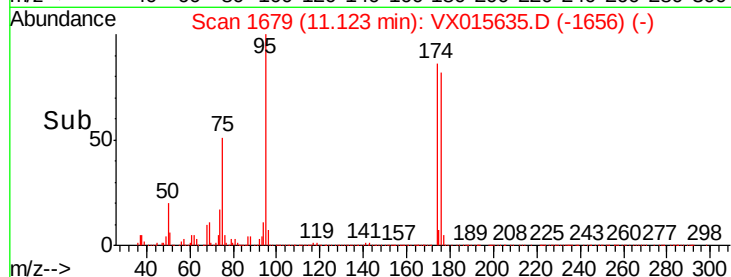
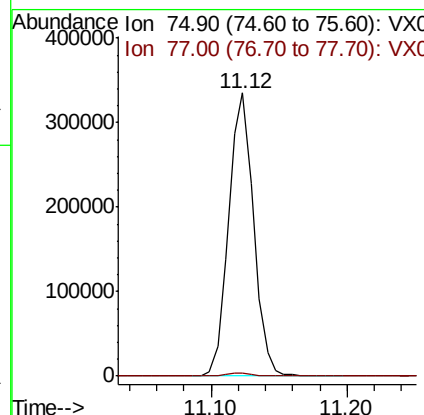
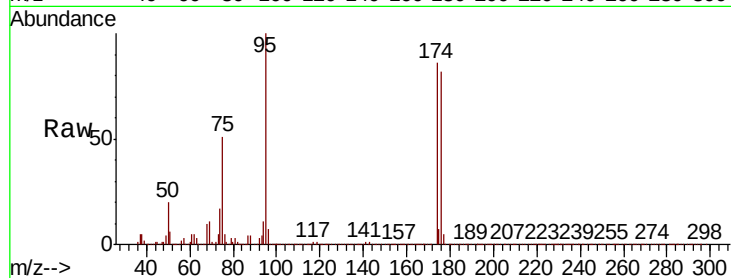




#76
 1,2,3-Trichloropropane
 Concen: 23.988 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015635.D
 Acq: 10 Apr 2020 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB180-GW-218-220

Tot Ion: 75 Resp: 425675
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.558 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015635.D
 Acq: 10 Apr 2020 20:28

Tgt Ion: 75 Resp: 425675
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.2 36.1 54.1#

