

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009541.D
 Acq On : 13 May 2019 14:21
 Operator : JC/SP
 Sample : K2834-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-358-360

Quant Time: May 14 12:22:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118062	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124187	48.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.74%	
35) Dibromofluoromethane	5.50	113	92393	48.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	378169	49.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.13	95	128354	45.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.96%	

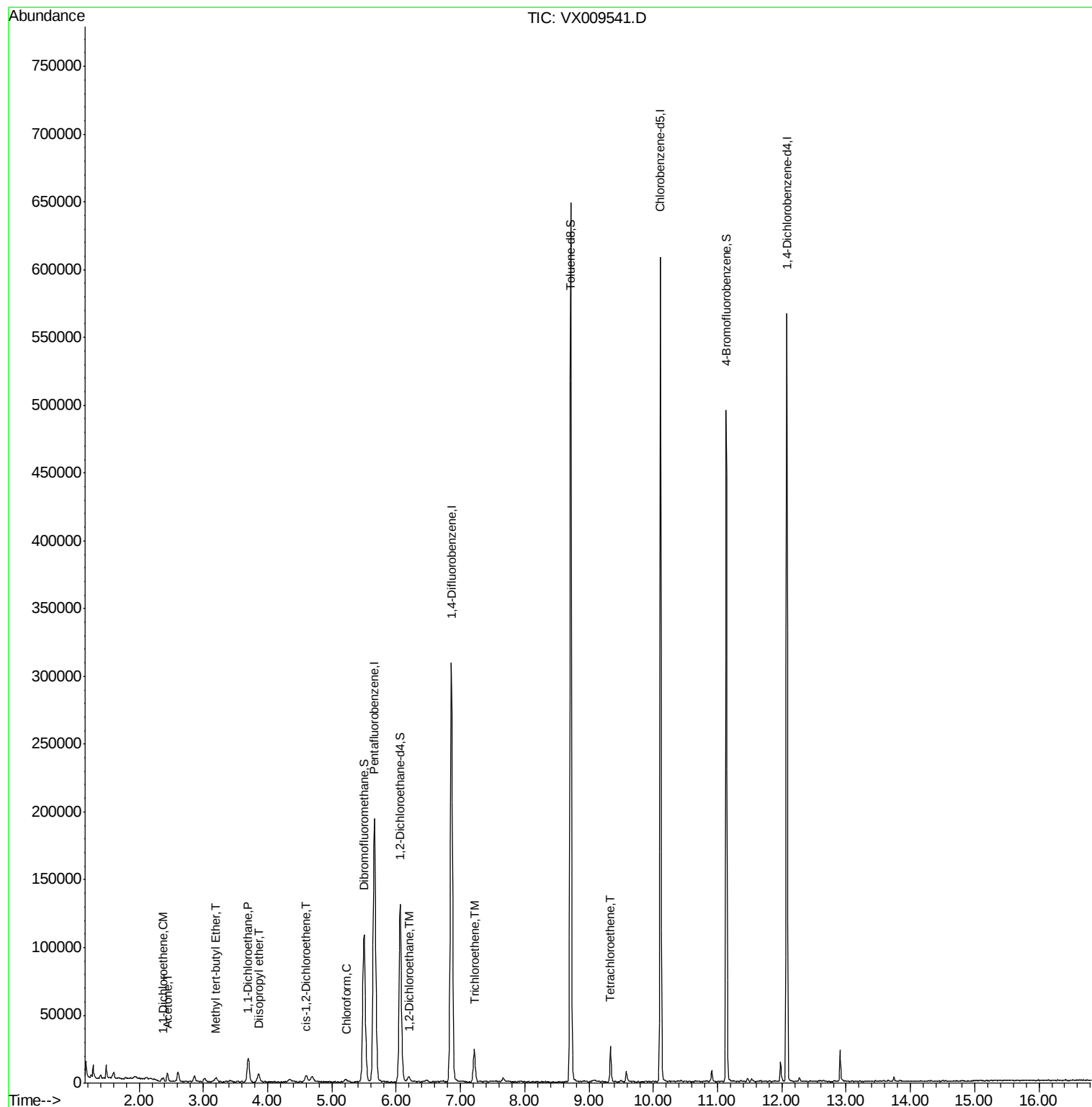
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.38	96	740	0.419	ug/l #	70
16) Acetone	2.44	43	7081	5.136	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	3217	0.469	ug/l	91
22) Diisopropyl ether	3.85	45	7016	0.848	ug/l #	83
24) 1,1-Dichloroethane	3.70	63	20262	4.966	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2850	1.248	ug/l	91
30) Chloroform	5.21	83	2210	0.599	ug/l	98
42) 1,2-Dichloroethane	6.20	62	4021	1.288	ug/l	100
44) Trichloroethene	7.21	130	9599	4.561	ug/l	96
64) Tetrachloroethene	9.34	164	5013	2.725	ug/l	99

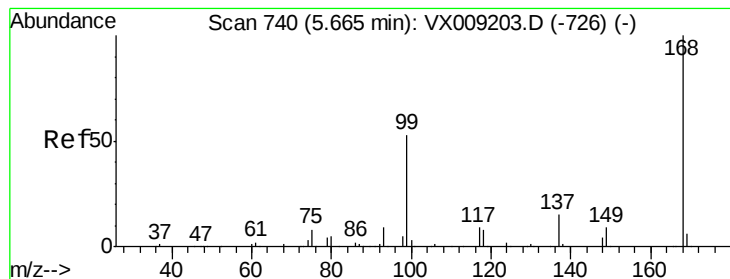
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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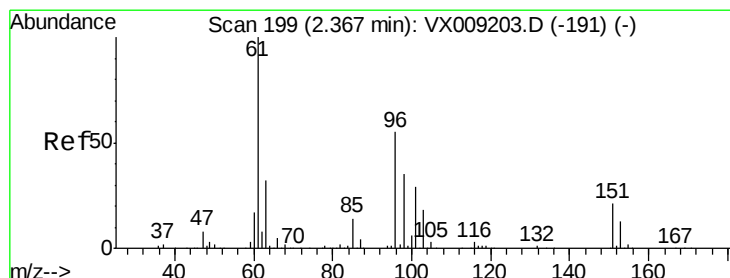
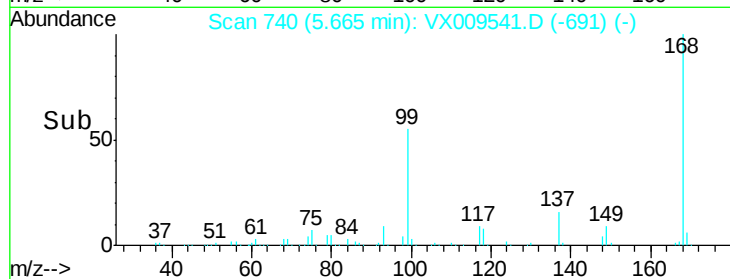
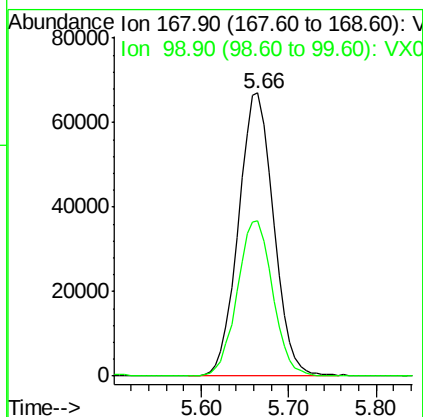
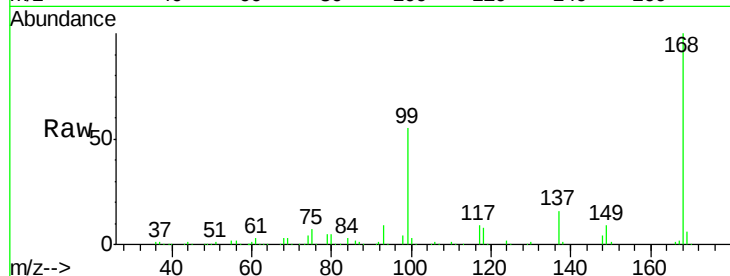




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX009541.D
Acq: 13 May 2019 14:21

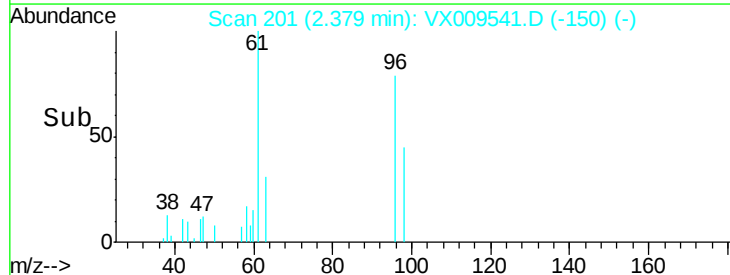
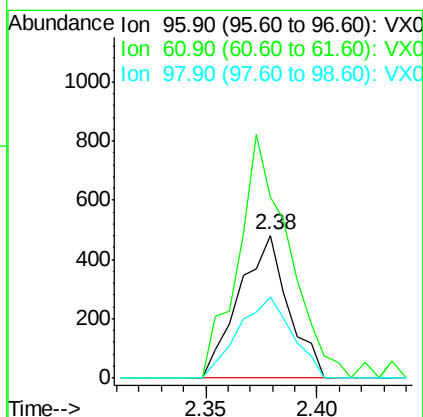
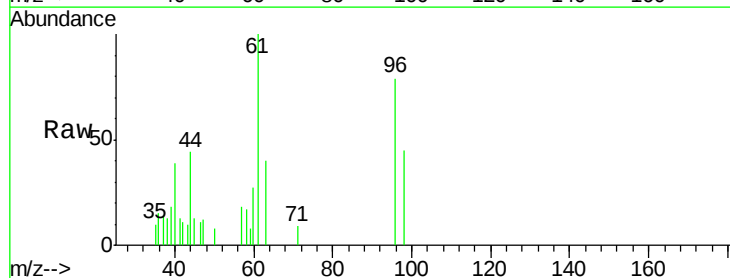
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-358-360

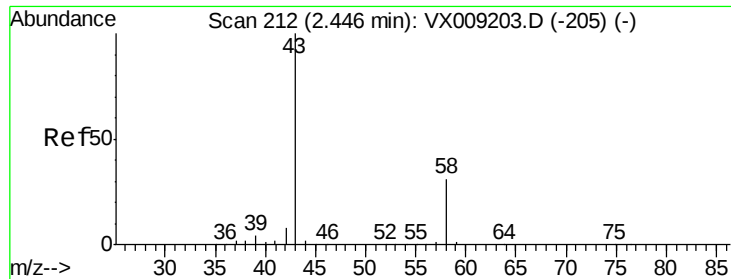
Tot Ion:168 Resp: 188068
Ion Ratio Lower Upper
168 100
99 54.9 42.3 63.5



#12
1,1-Dichloroethene
Concen: 0.419 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX009541.D
Acq: 13 May 2019 14:21

Tgt Ion: 96 Resp: 740
Ion Ratio Lower Upper
96 100
61 126.6 144.3 216.5#
98 56.6 50.3 75.5

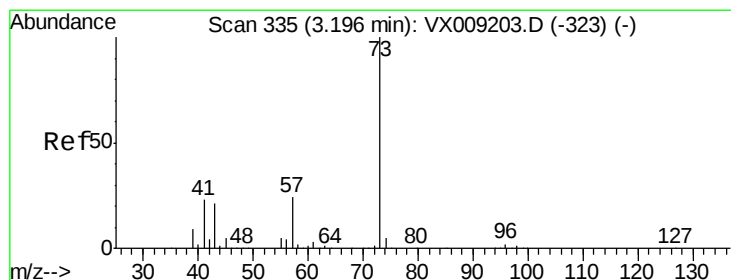
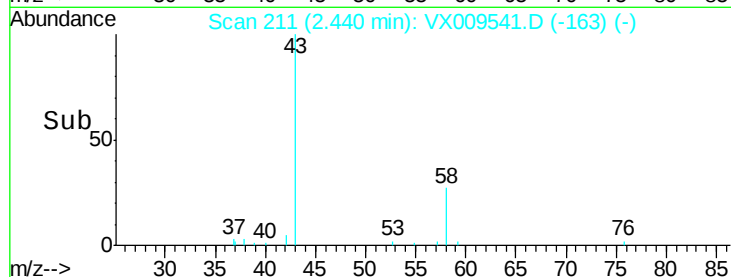
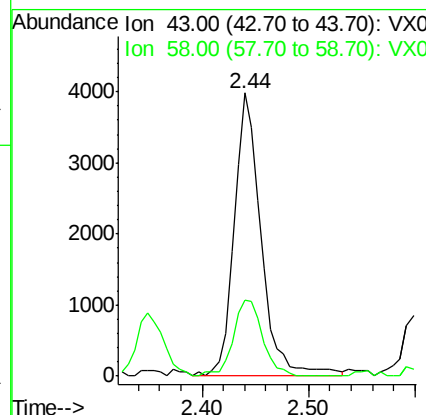
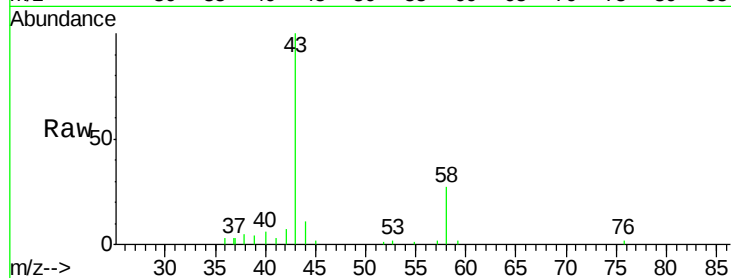




#16
 Acetone
 Concen: 5.136 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009541.D
 Acq: 13 May 2019 14:21

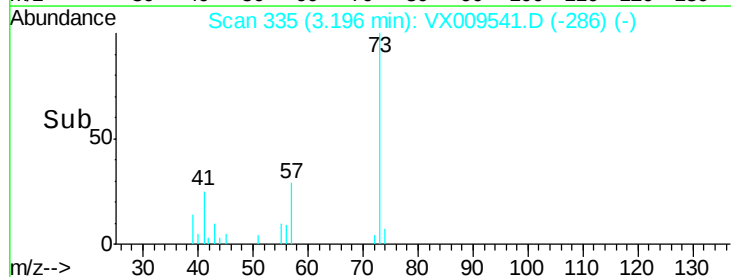
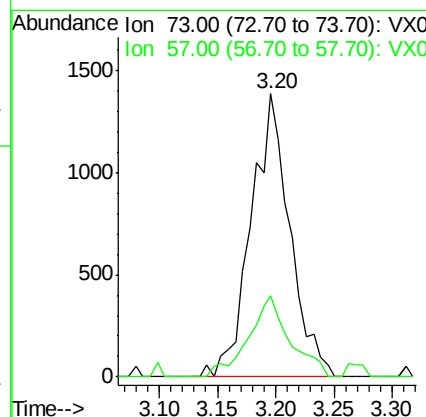
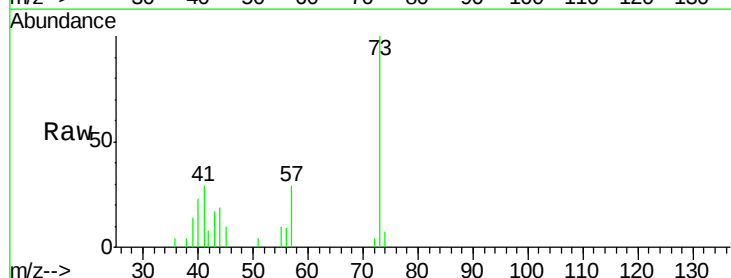
Instrument :
 MSVOA_X
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 BP-VPB202-GW-358-360

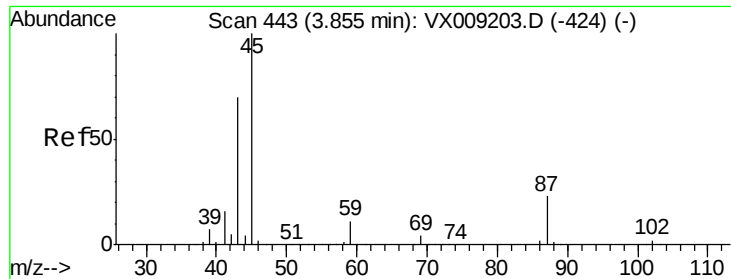
Tot Ion: 43 Resp: 7081
 Ion Ratio Lower Upper
 43 100
 58 27.0 24.9 37.3



#19
 Methyl tert-butyl Ether
 Concen: 0.469 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009541.D
 Acq: 13 May 2019 14:21

Tgt Ion: 73 Resp: 3217
 Ion Ratio Lower Upper
 73 100
 57 28.7 19.3 28.9





#22

Diisopropyl ether

Concen: 0.848 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009541.D

Acq: 13 May 2019 14:21

Instrument :

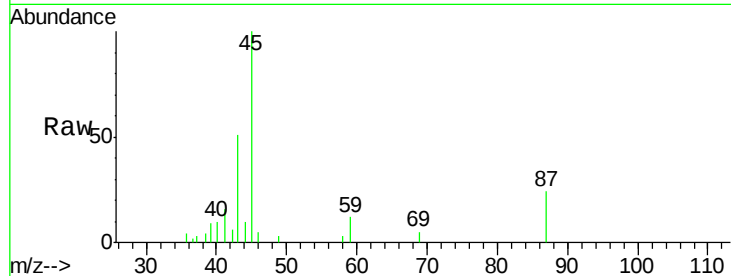
MSVOA_X

ClientSampleId :

BP-VPB202-GW-358-360

Tot Ion: 45 Resp: 7016

Ion	Ratio	Lower	Upper
45	100		
43	50.5	56.1	84.1#
87	23.6	18.1	27.1
59	11.9	8.5	12.7

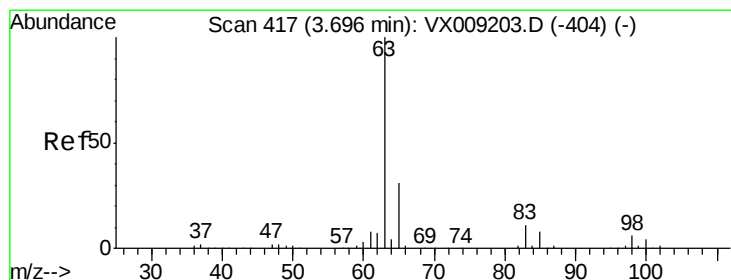
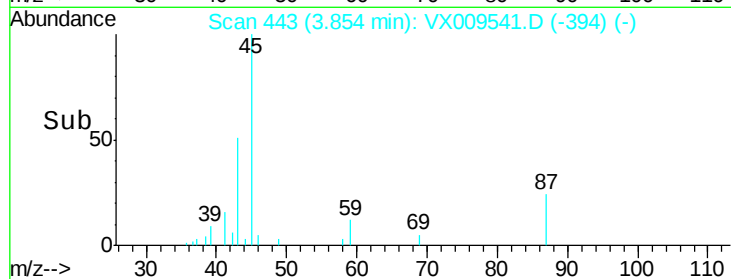
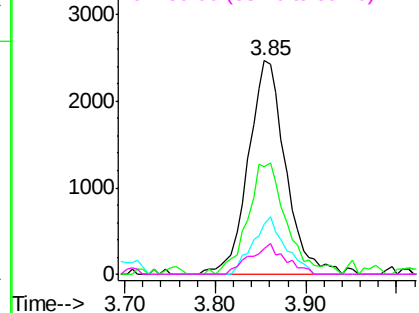


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#24

1,1-Dichloroethane

Concen: 4.966 ug/l

RT: 3.70 min Scan# 417

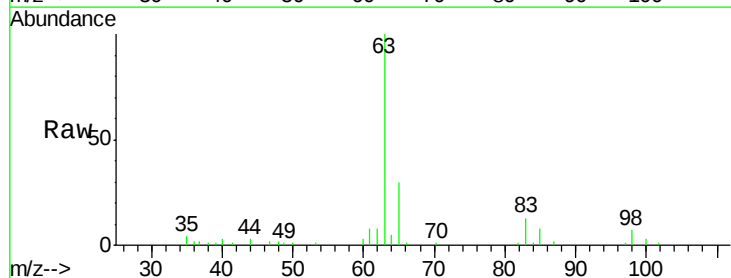
Delta R.T. -0.00 min

Lab File: VX009541.D

Acq: 13 May 2019 14:21

Tgt Ion: 63 Resp: 20262

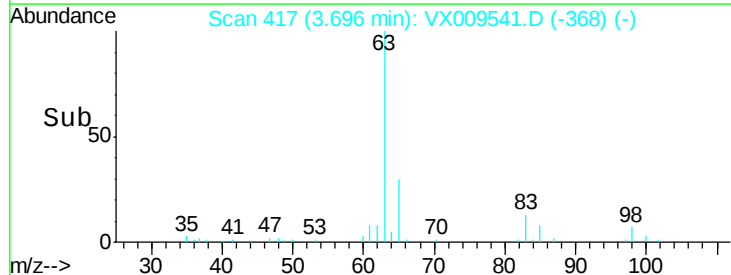
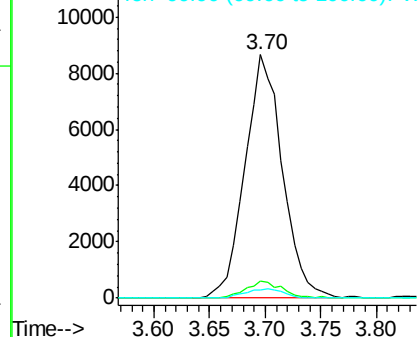
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.0	9.2
100	3.4	2.0	6.0

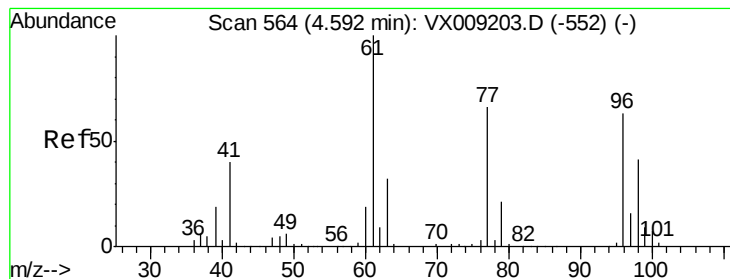


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



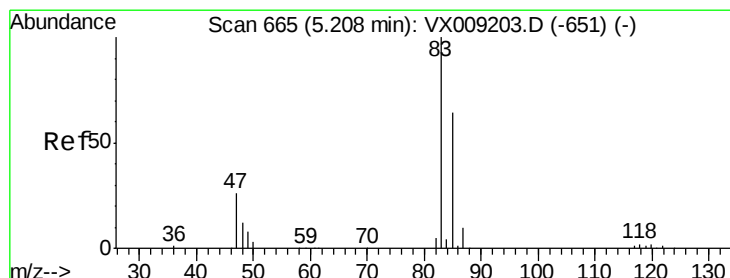
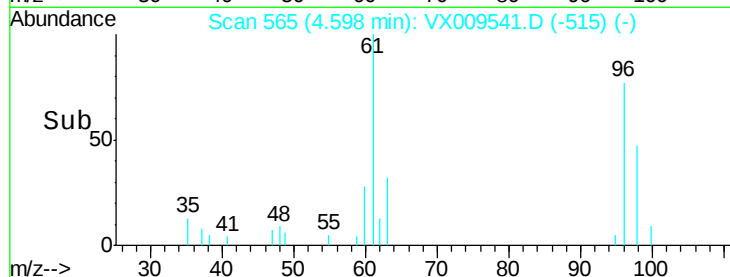
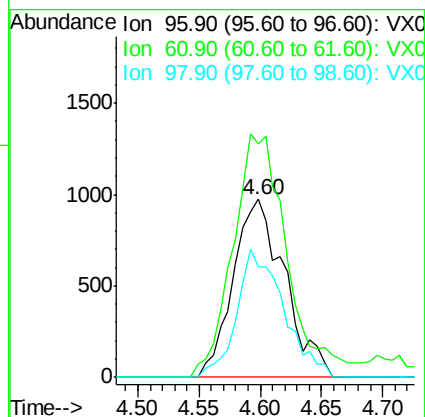
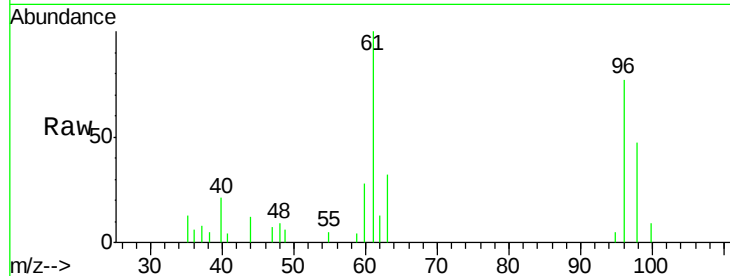


#27

cis-1,2-Dichloroethene
 Concen: 1.248 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009541.D
 Acq: 13 May 2019 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-358-360

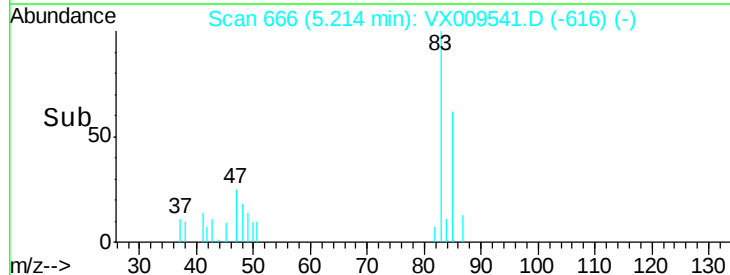
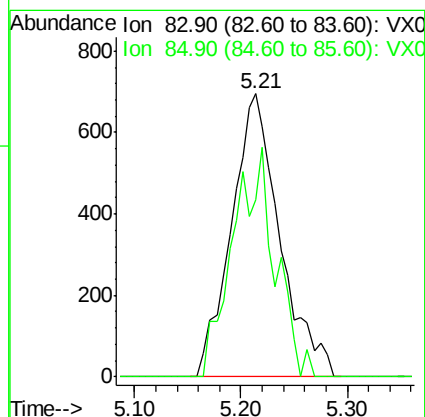
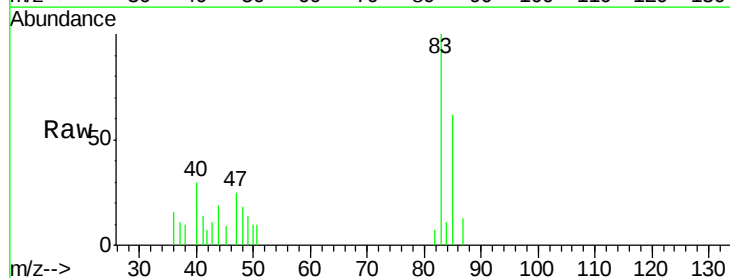
Tot Ion: 96 Resp: 2850
 Ion Ratio Lower Upper
 96 100
 61 145.0 0.0 324.0
 98 65.0 0.0 130.4



#30

Chloroform
 Concen: 0.599 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VX009541.D
 Acq: 13 May 2019 14:21

Tgt Ion: 83 Resp: 2210
 Ion Ratio Lower Upper
 83 100
 85 62.4 51.5 77.3





#33

1,2-Dichloroethane-d4

Concen: 48.372 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009541.D

Acq: 13 May 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

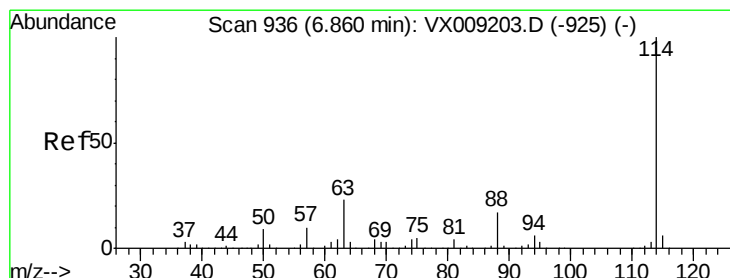
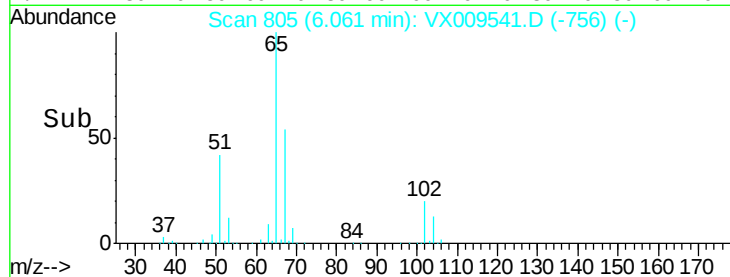
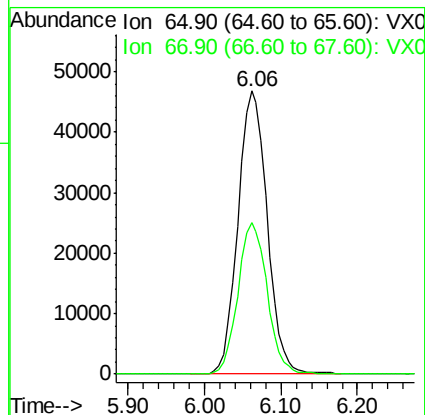
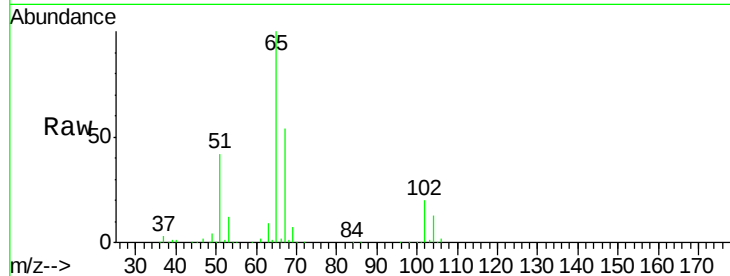
BP-VPB202-GW-358-360

Tot Ion: 65 Resp: 124187

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009541.D

Acq: 13 May 2019 14:21

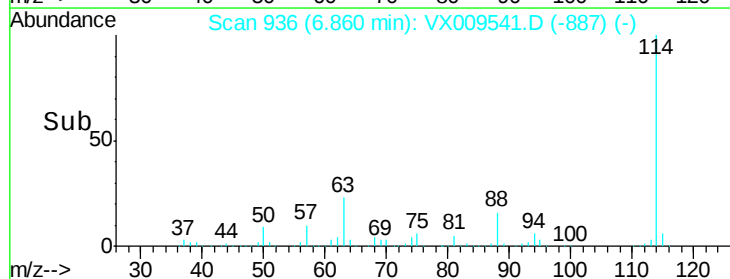
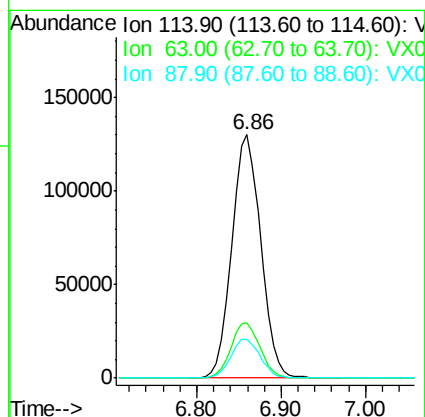
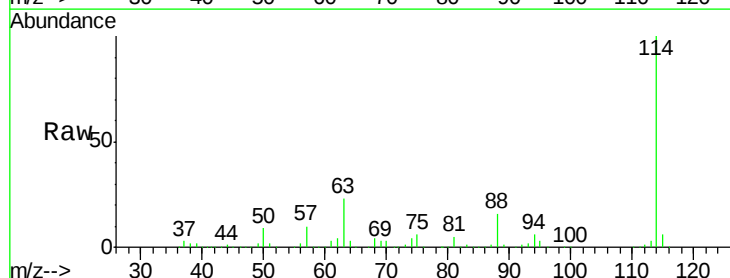
Tgt Ion: 114 Resp: 302673

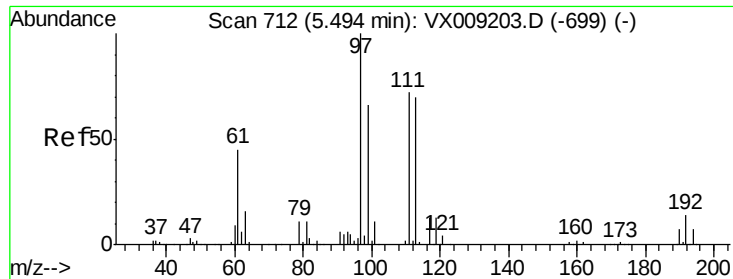
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.558 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009541.D

Acq: 13 May 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-358-360

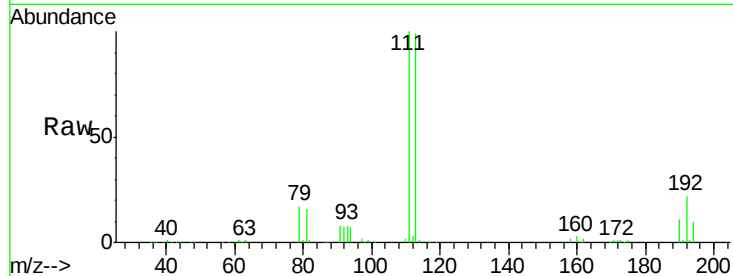
Tot Ion:113 Resp: 92393

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

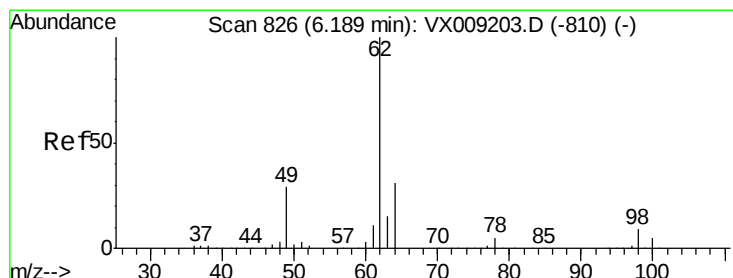
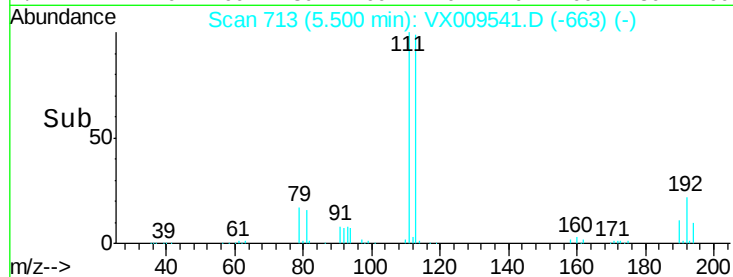
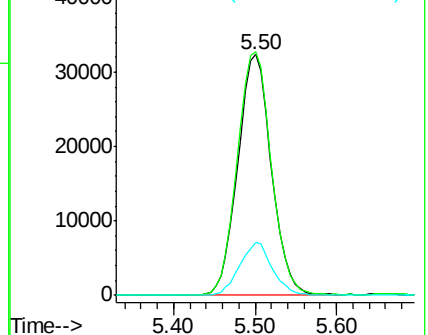
192 21.4 17.0 25.6



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



#42

1,2-Dichloroethane

Concen: 1.288 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009541.D

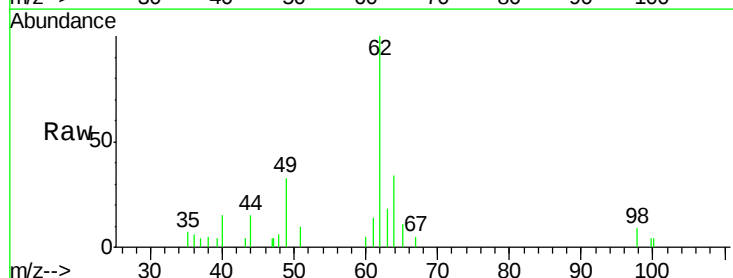
Acq: 13 May 2019 14:21

Tgt Ion: 62 Resp: 4021

Ion Ratio Lower Upper

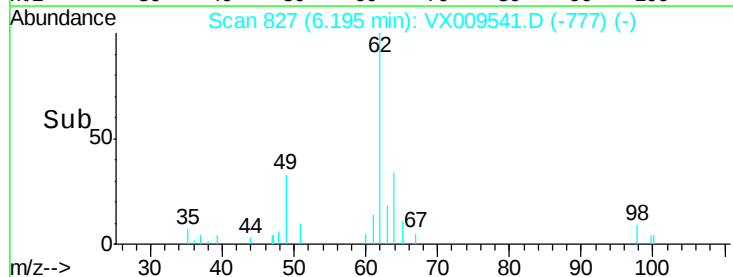
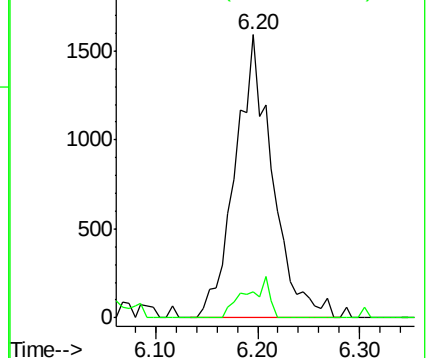
62 100

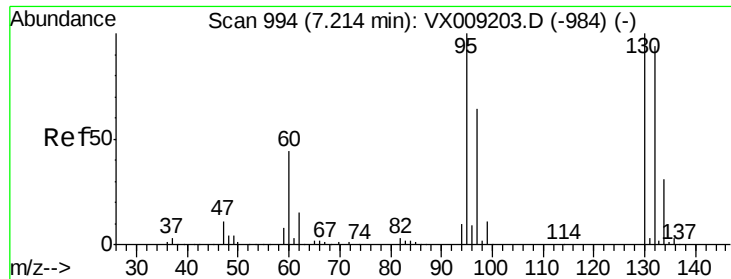
98 9.3 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

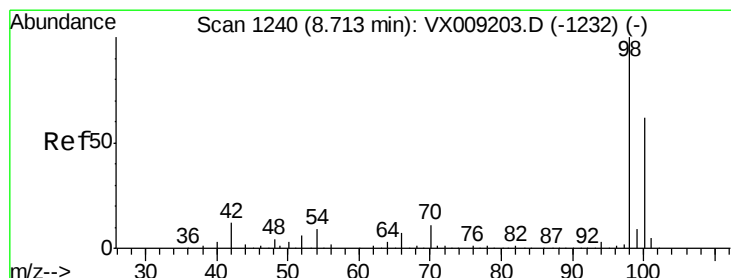
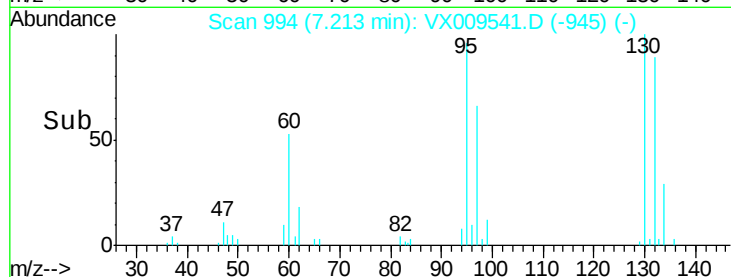
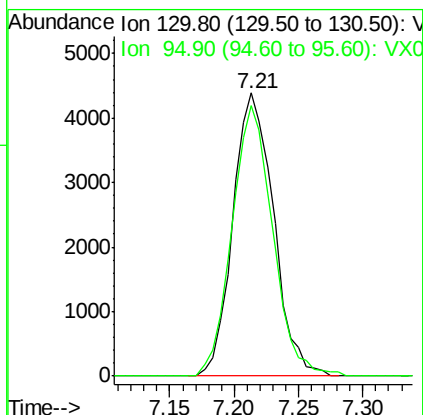
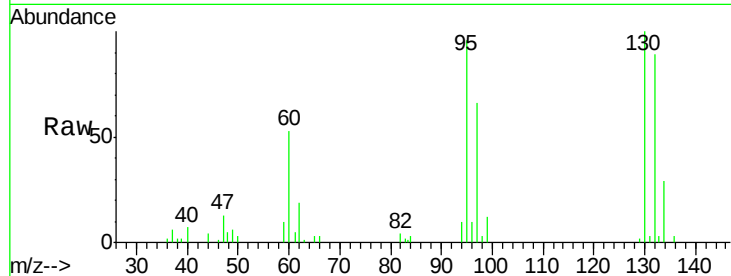




#44
 Trichloroethene
 Concen: 4.561 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009541.D
 Acq: 13 May 2019 14:21

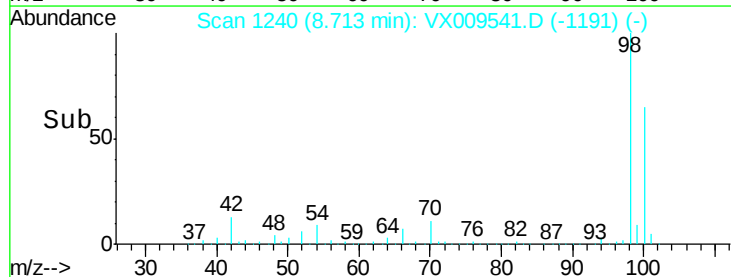
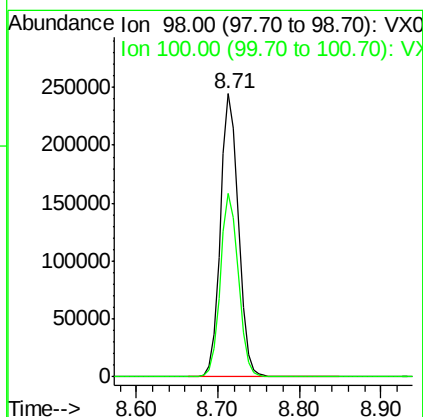
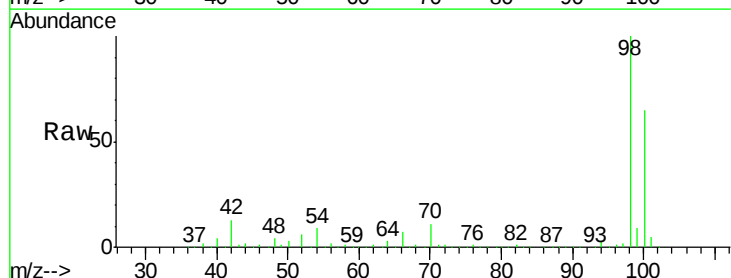
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 BP-VPB202-GW-358-360

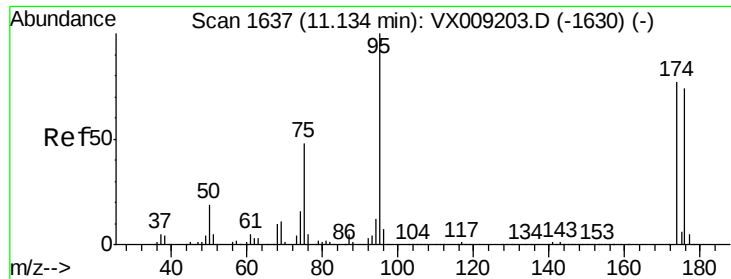
Tot Ion:130 Resp: 9599
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 199.2



#50
 Toluene-d8
 Concen: 49.229 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009541.D
 Acq: 13 May 2019 14:21

Tgt Ion: 98 Resp: 378169
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.2 76.8

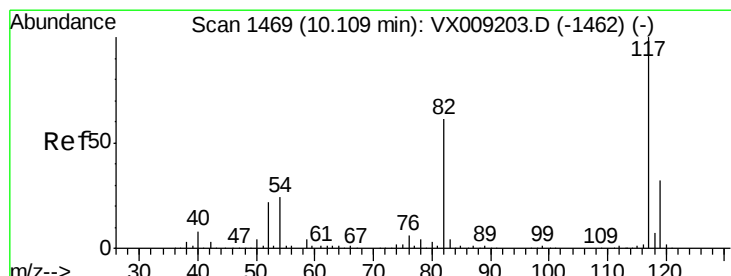
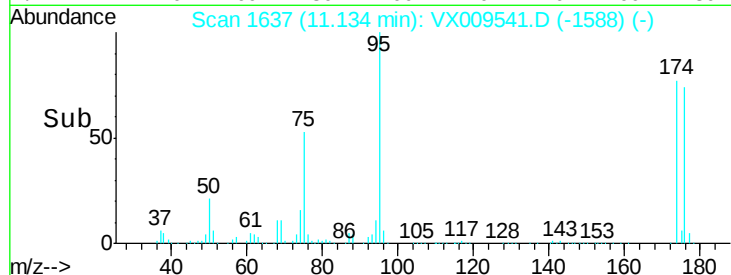
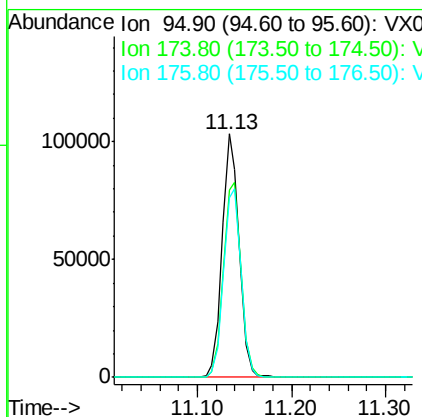
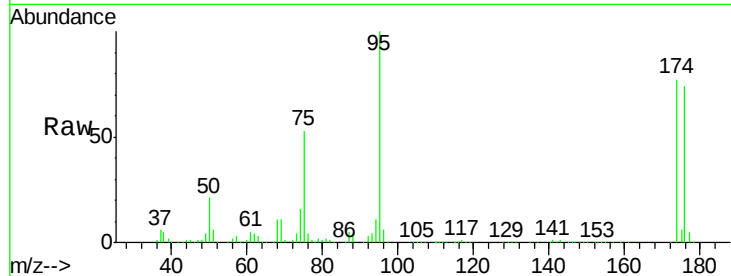




#62
4-Bromofluorobenzene
Concen: 45.984 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009541.D
Acq: 13 May 2019 14:21

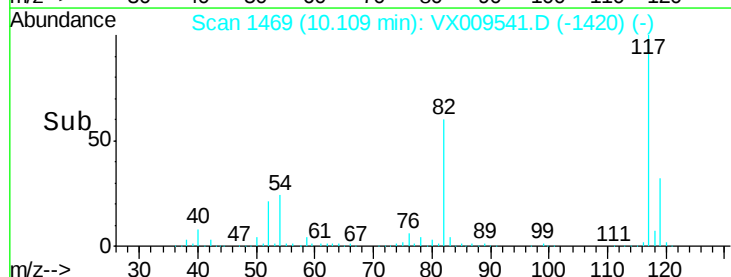
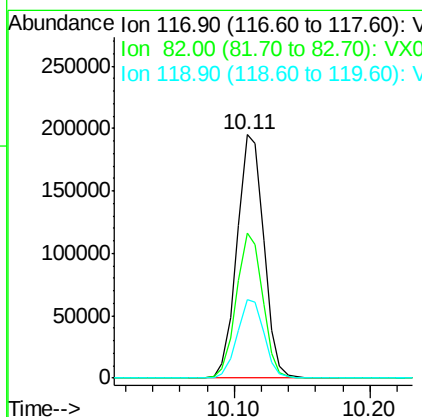
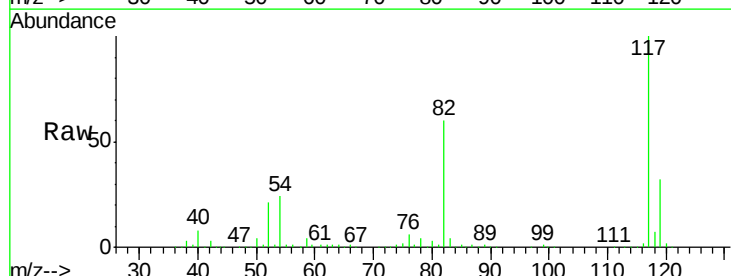
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-358-360

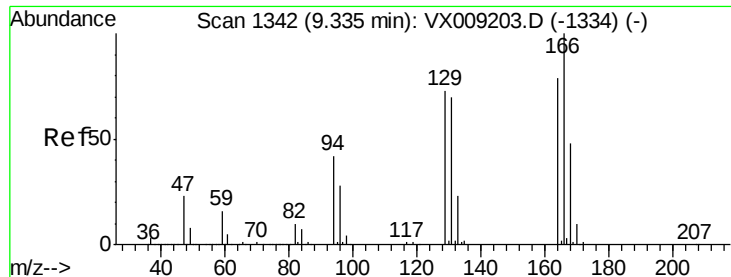
Tot Ion: 95 Resp: 128354
Ion Ratio Lower Upper
95 100
174 83.1 0.0 161.6
176 80.5 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009541.D
Acq: 13 May 2019 14:21

Tgt Ion: 117 Resp: 268185
Ion Ratio Lower Upper
117 100
82 59.6 48.8 73.2
119 32.0 25.8 38.6





#64

Tetrachloroethene

Concen: 2.725 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009541.D

Acq: 13 May 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-358-360

Tot Ion:164 Resp: 5013

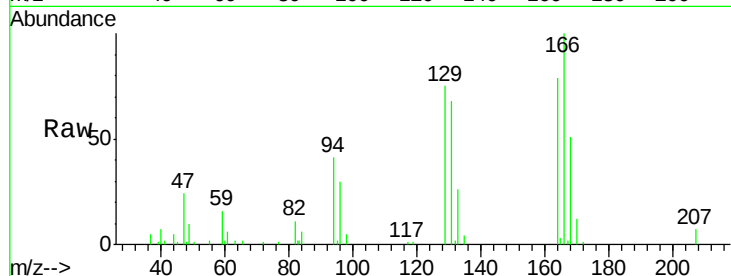
Ion Ratio Lower Upper

164 100

166 126.6 101.2 151.8

129 94.4 74.3 111.5

131 85.8 71.0 106.6

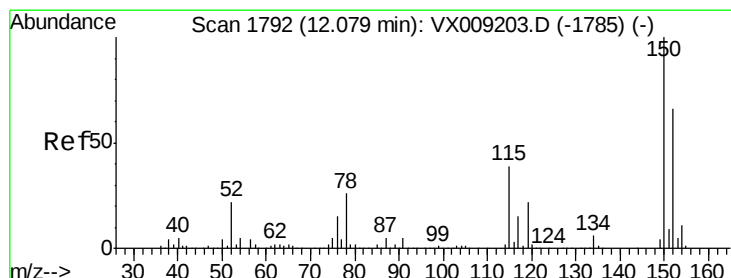
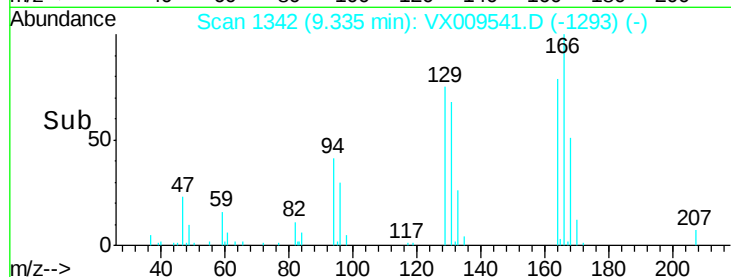
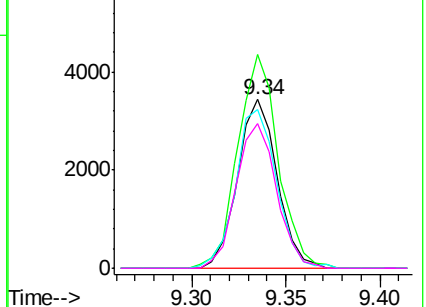


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009541.D

Acq: 13 May 2019 14:21

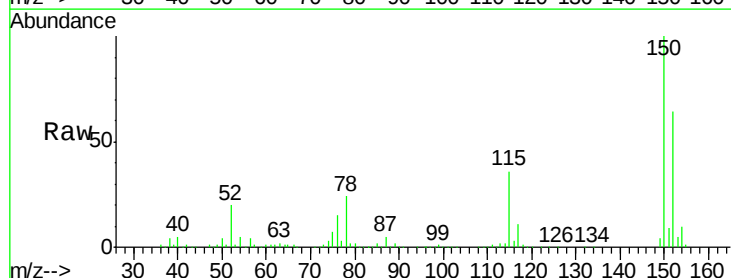
Tgt Ion:152 Resp: 118062

Ion Ratio Lower Upper

152 100

115 58.6 41.2 123.6

150 157.9 0.0 346.4



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

