

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009542.D
 Acq On : 13 May 2019 14:45
 Operator : JC/SP
 Sample : K2834-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-378-380

Quant Time: May 14 12:23:19 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	193147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307393	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121164	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	126116	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	5.49	113	94291	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	8.71	98	384165	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.13	95	130746	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

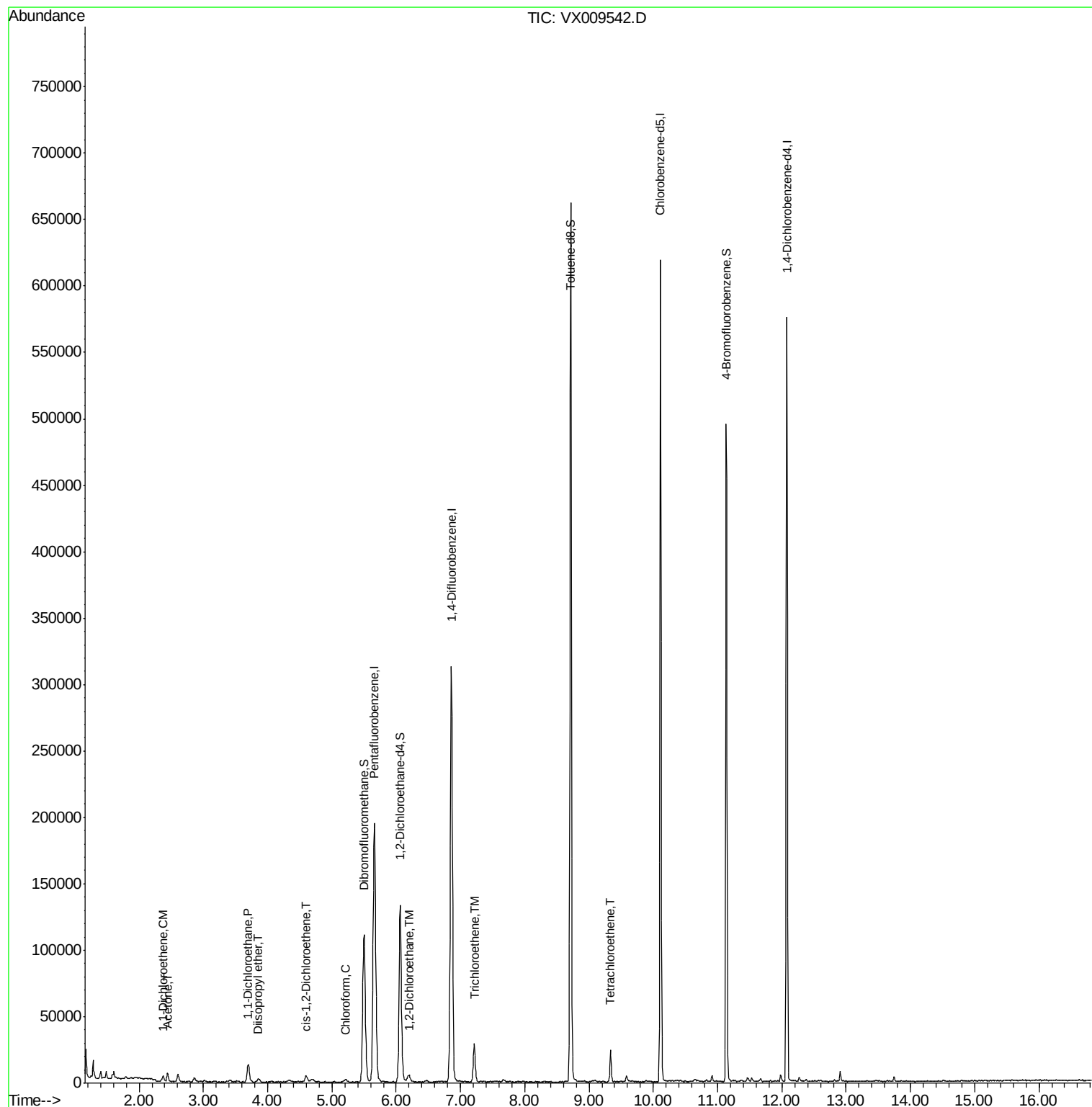
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.37	96	1175	0.648	ug/l	90
16) Acetone	2.44	43	7364	5.201	ug/l	98
22) Diisopropyl ether	3.85	45	2931	0.345	ug/l #	84
24) 1,1-Dichloroethane	3.70	63	15113	3.607	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2869	1.223	ug/l	88
30) Chloroform	5.21	83	1970	0.520	ug/l	94
42) 1,2-Dichloroethane	6.20	62	5703	1.798	ug/l	96
44) Trichloroethene	7.22	130	10937	5.117	ug/l	93
64) Tetrachloroethene	9.34	164	4839	2.562	ug/l	96

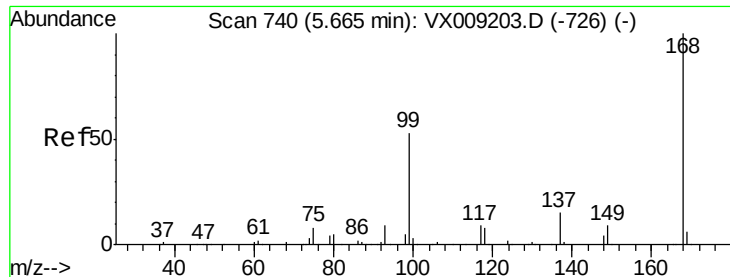
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB202-GW-378-380

Quant Time: May 14 12:23:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

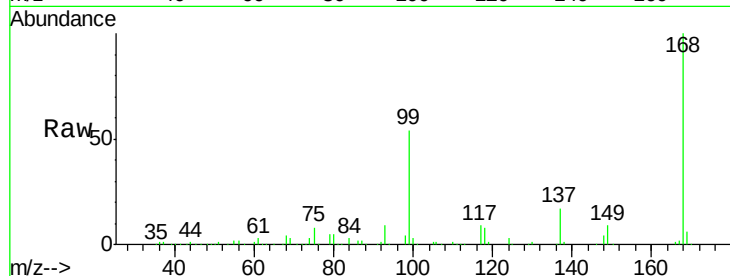
BP-VPB202-GW-378-380

Tot Ion:168 Resp: 193147

Ion Ratio Lower Upper

168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

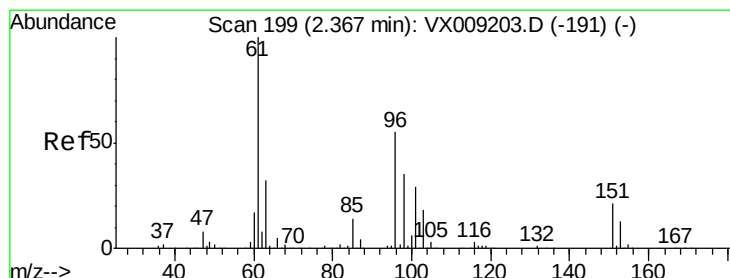
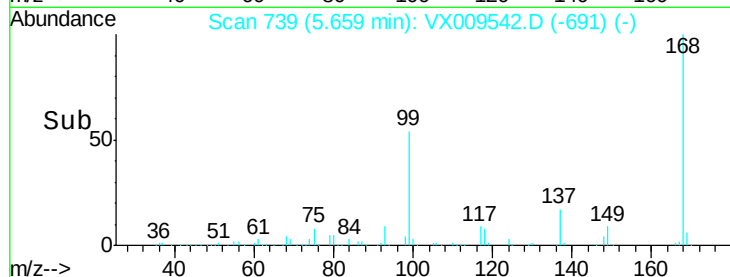
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#12

1,1-Dichloroethene

Concen: 0.648 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

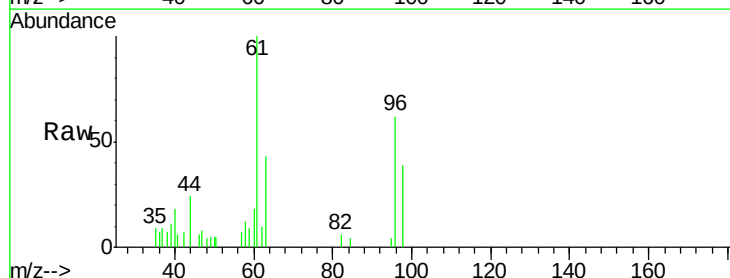
Tgt Ion: 96 Resp: 1175

Ion Ratio Lower Upper

96 100

61 161.2 144.3 216.5

98 62.7 50.3 75.5



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

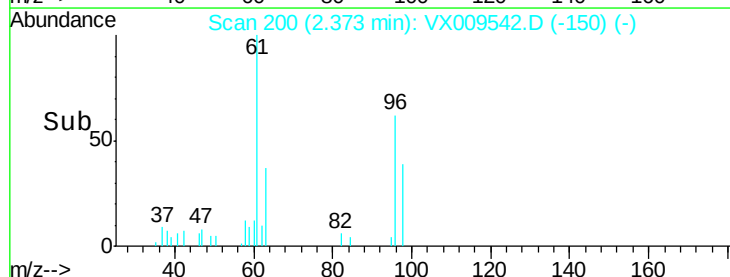
1500

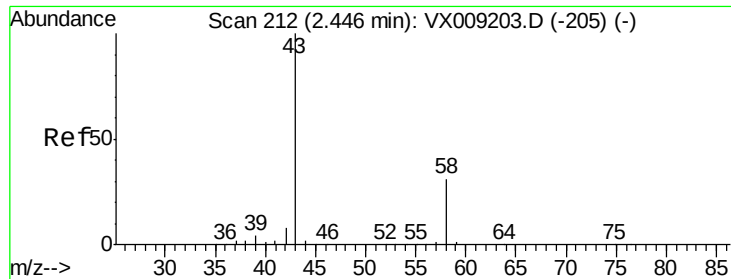
1000

500

0

Time--> 2.30 2.35 2.40 2.45





#16

Acetone

Concen: 5.201 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

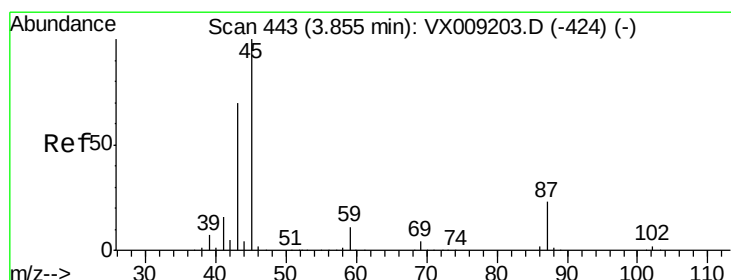
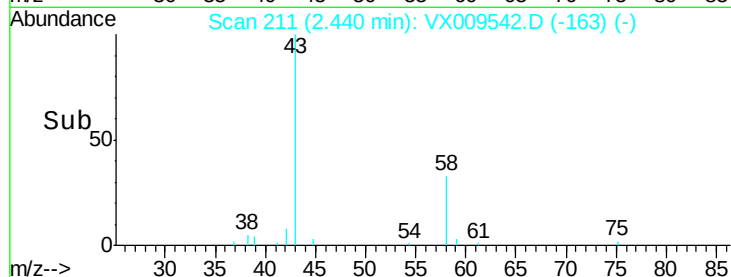
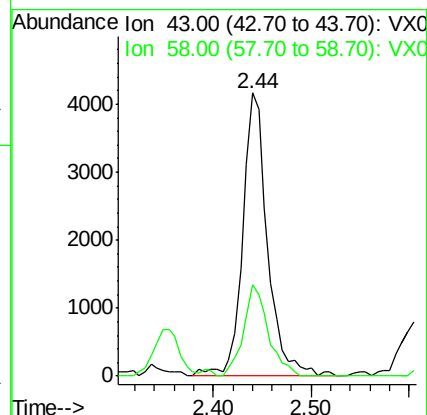
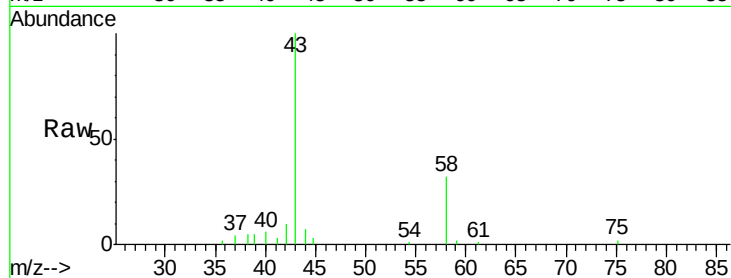
BP-VPB202-GW-378-380

Tot Ion: 43 Resp: 7364

Ion Ratio Lower Upper

43 100

58 32.1 24.9 37.3



#22

Diisopropyl ether

Concen: 0.345 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

Tgt Ion: 45 Resp: 2931

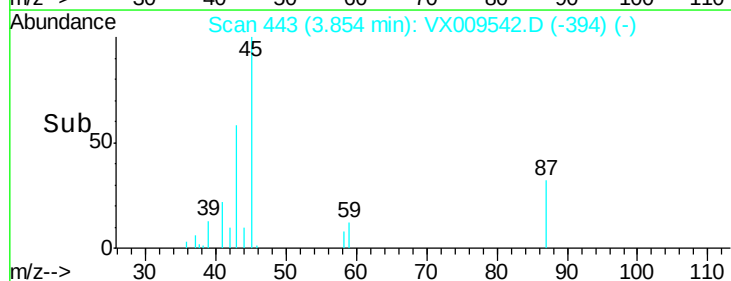
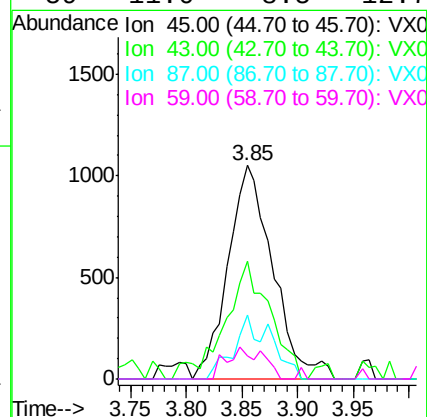
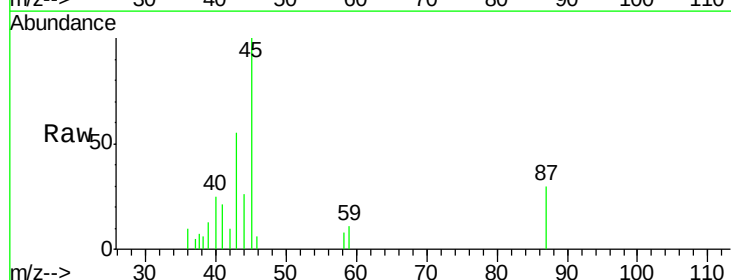
Ion Ratio Lower Upper

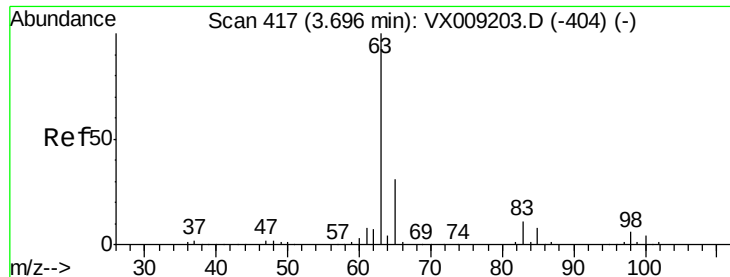
45 100

43 55.0 56.1 84.1#

87 30.0 18.1 27.1#

59 11.0 8.5 12.7





#24

1,1-Dichloroethane

Concen: 3.607 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-378-380

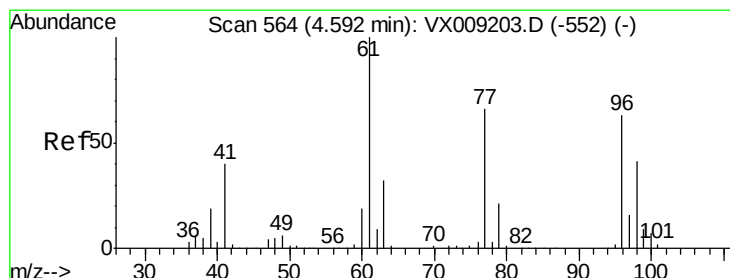
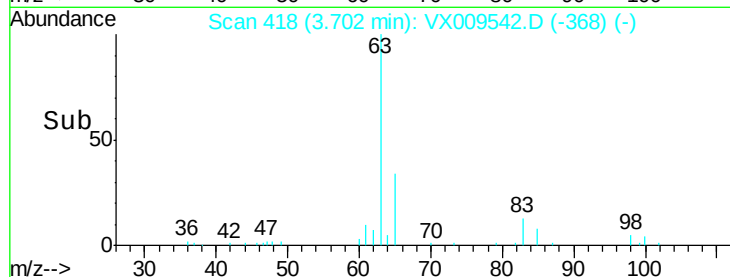
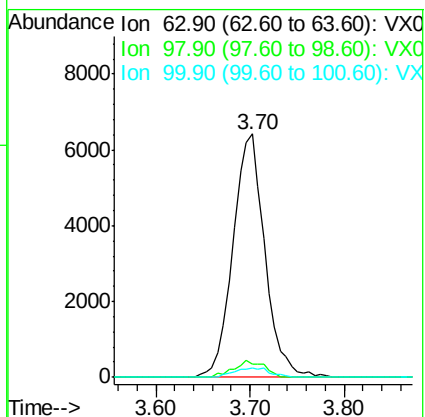
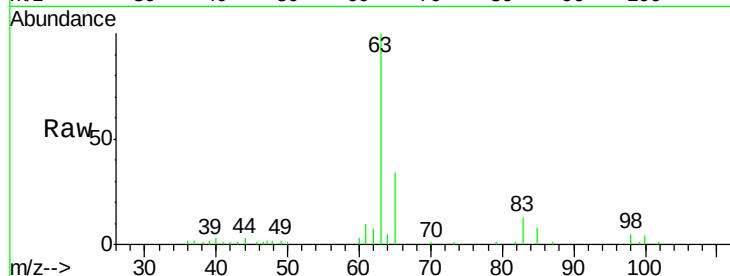
Tot Ion: 63 Resp: 15113

Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

100 3.9 2.0 6.0



#27

cis-1,2-Dichloroethene

Concen: 1.223 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

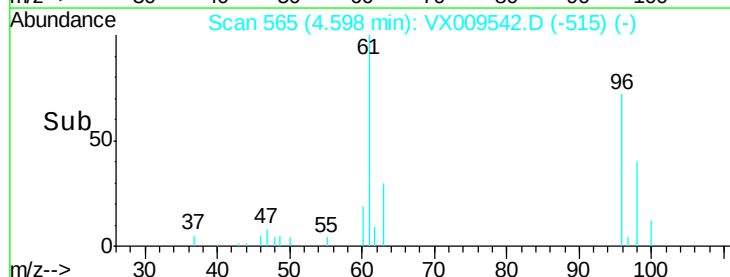
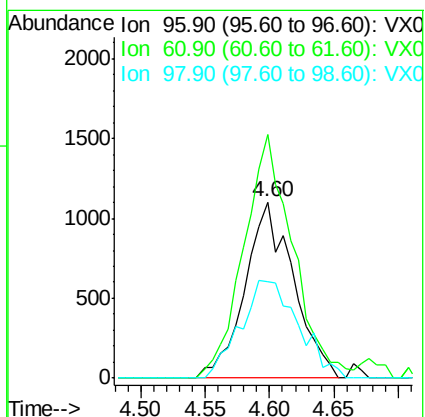
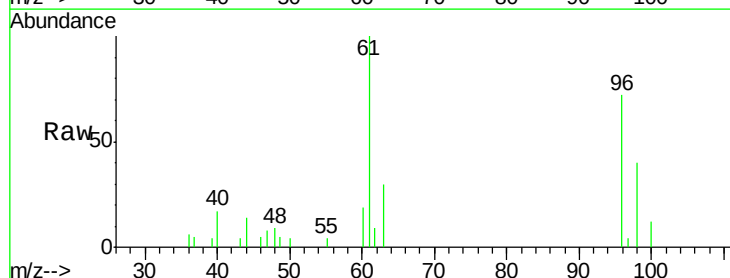
Tgt Ion: 96 Resp: 2869

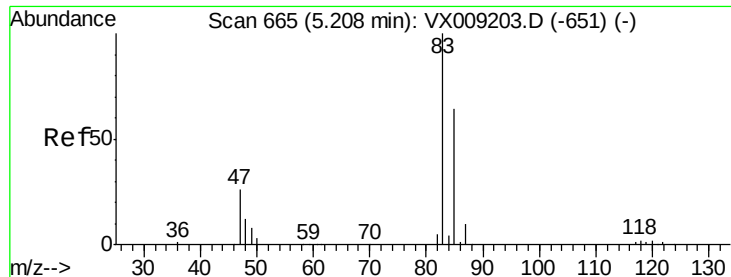
Ion Ratio Lower Upper

96 100

61 140.6 0.0 324.0

98 66.4 0.0 130.4

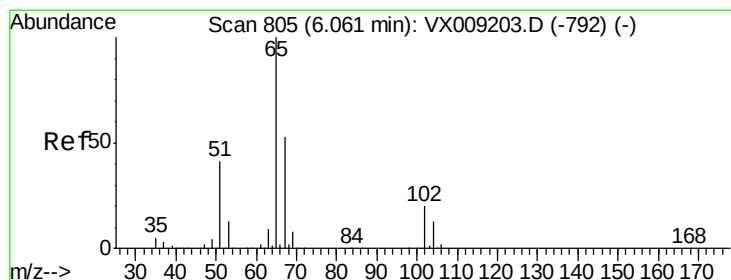
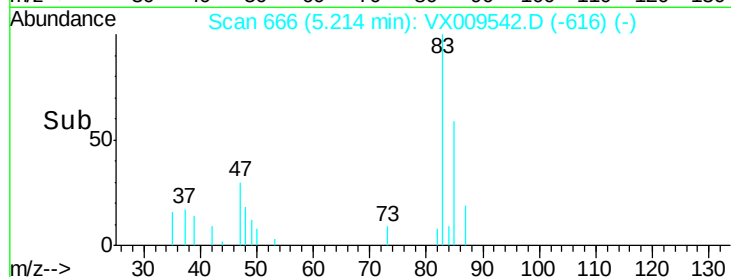
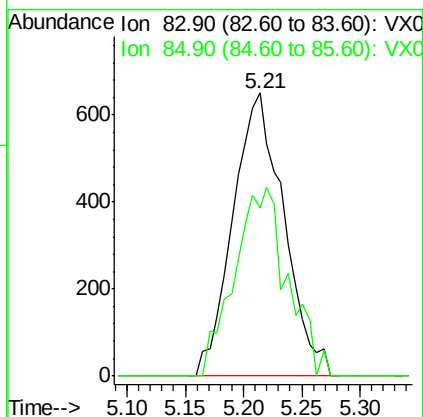
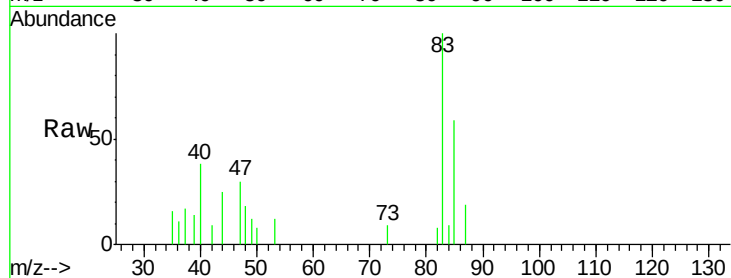




#30
Chloroform
Concen: 0.520 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009542.D
Acq: 13 May 2019 14:45

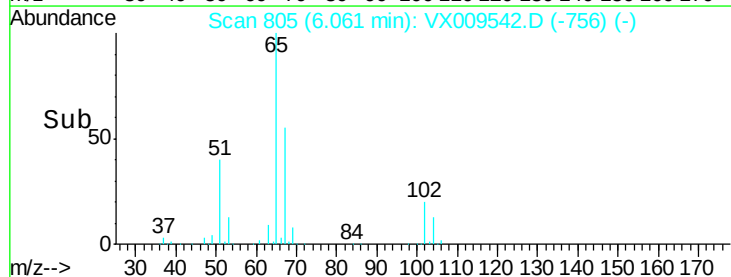
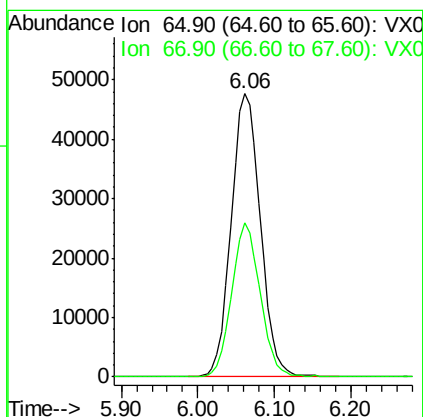
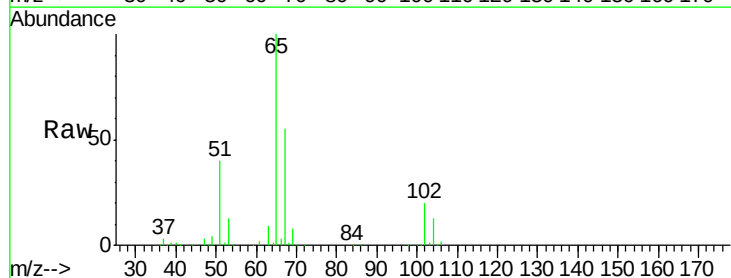
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-378-380

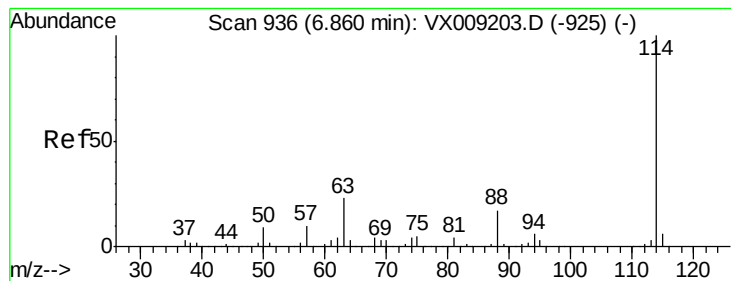
Tot Ion: 83 Resp: 1970
Ion Ratio Lower Upper
83 100
85 59.4 51.5 77.3



#33
1,2-Dichloroethane-d4
Concen: 47.831 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009542.D
Acq: 13 May 2019 14:45

Tgt Ion: 65 Resp: 126116
Ion Ratio Lower Upper
65 100
67 52.9 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: VX009542.D

Acq: 13 May 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-378-380

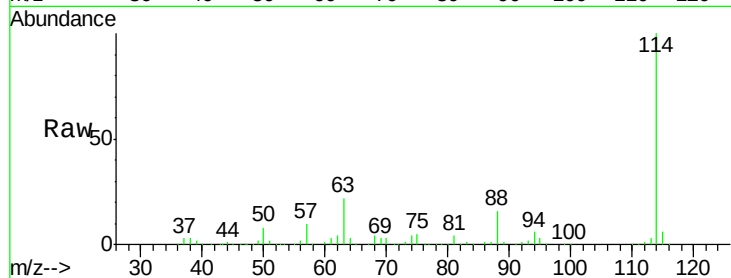
Tot Ion:114 Resp: 307393

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

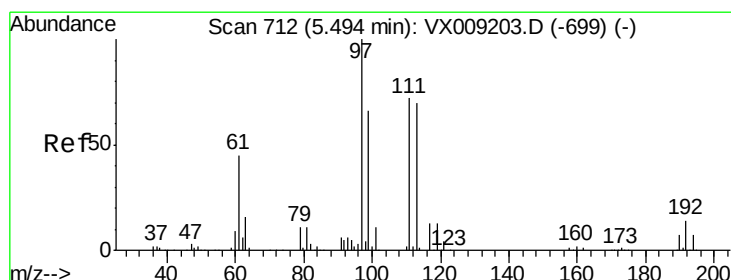
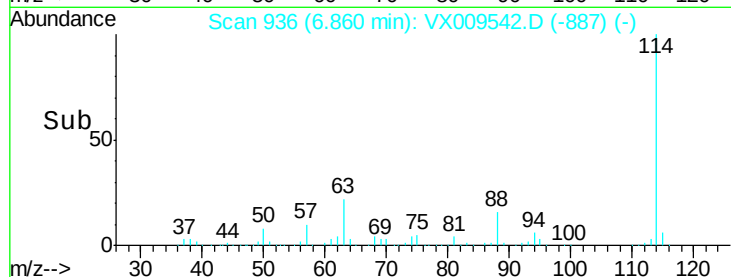
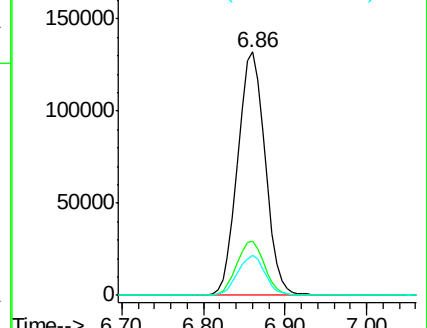
88 16.4 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.795 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

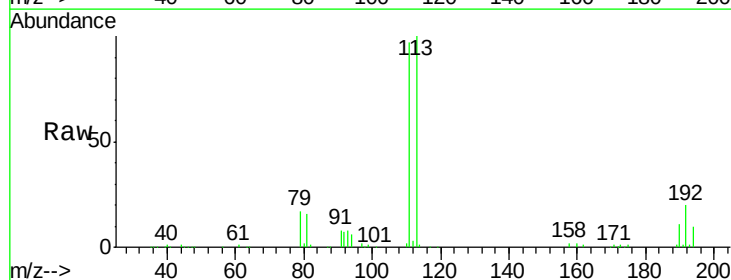
Tgt Ion:113 Resp: 94291

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

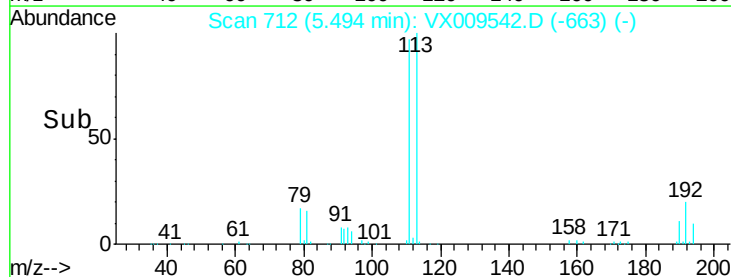
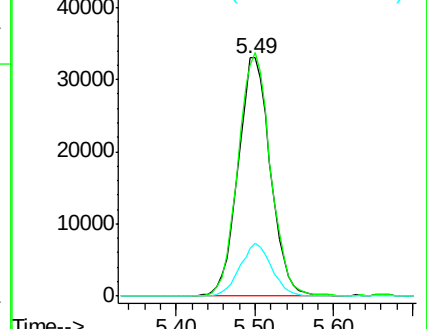
192 21.6 17.0 25.6

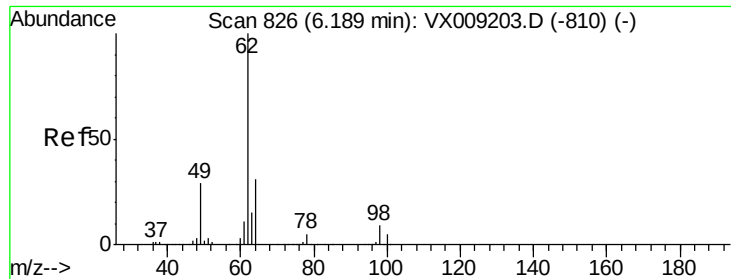


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

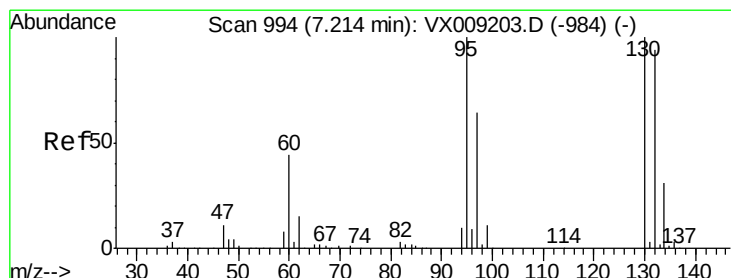
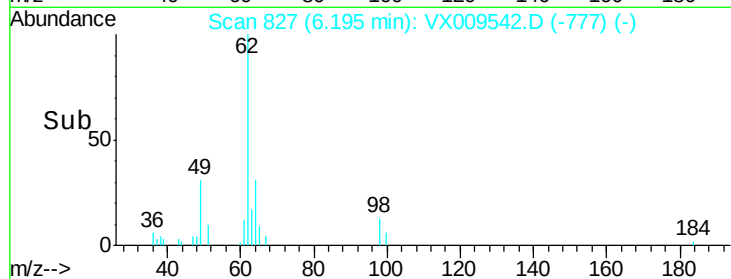
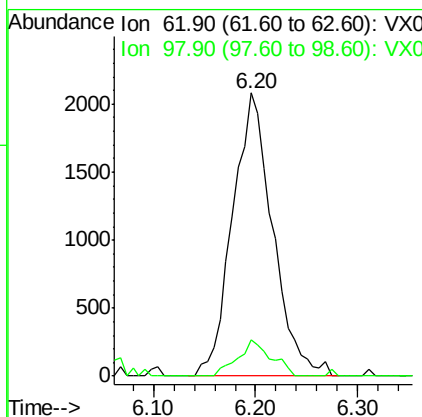
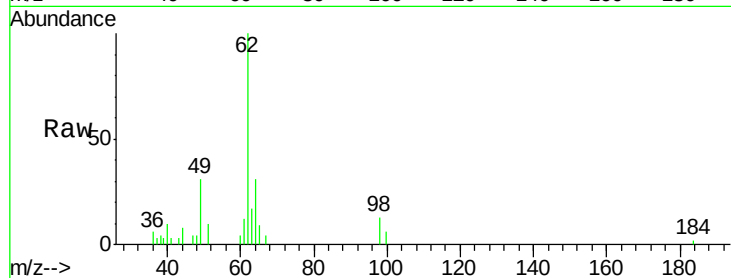




#42
 1,2-Dichloroethane
 Concen: 1.798 ug/l
 RT: 6.20 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VX009542.D
 Acq: 13 May 2019 14:45

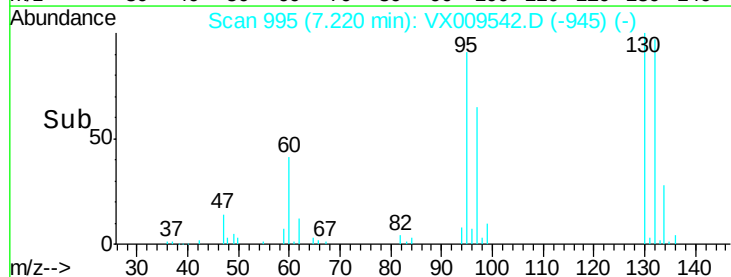
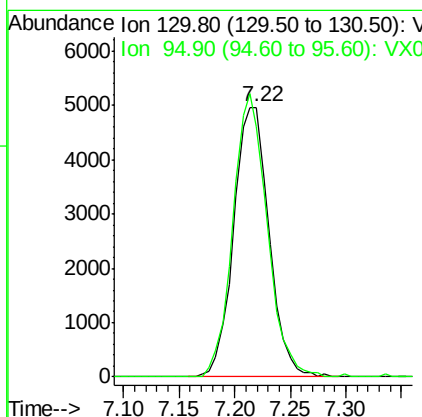
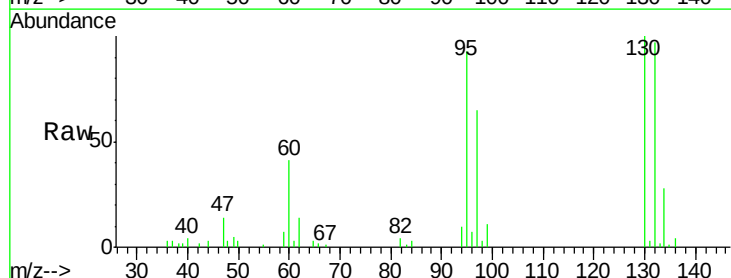
Instrument :
 MSVOA_X
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 BP-VPB202-GW-378-380

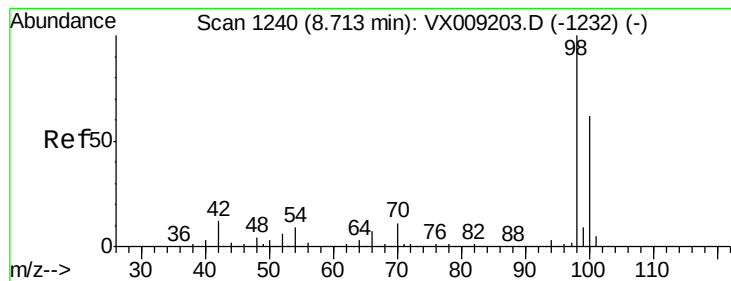
Tot Ion: 62 Resp: 5703
 Ion Ratio Lower Upper
 62 100
 98 10.4 0.0 18.2



#44
 Trichloroethene
 Concen: 5.117 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX009542.D
 Acq: 13 May 2019 14:45

Tgt Ion:130 Resp: 10937
 Ion Ratio Lower Upper
 130 100
 95 92.6 0.0 199.2





#50

Toluene-d8

Concen: 49.242 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

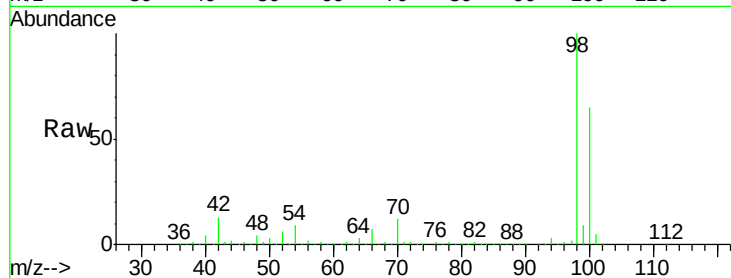
BP-VPB202-GW-378-380

Tot Ion: 98 Resp: 384165

Ion Ratio Lower Upper

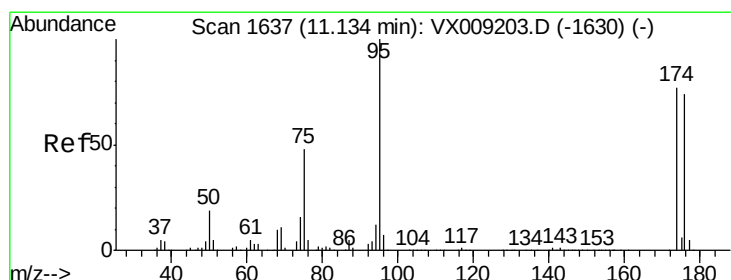
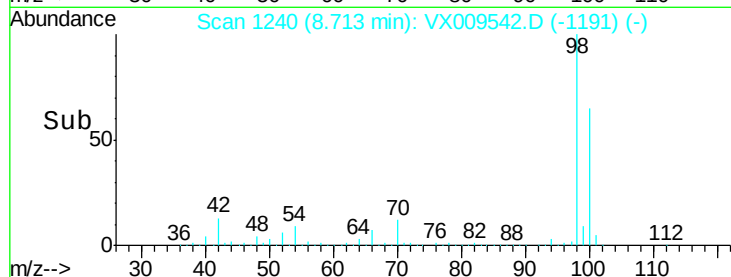
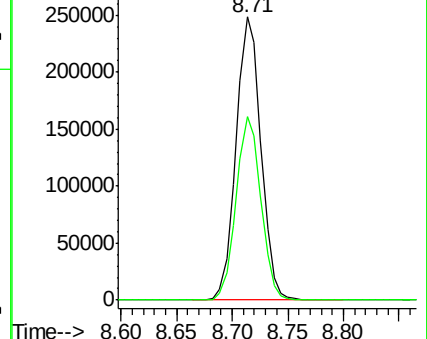
98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.122 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009542.D

Acq: 13 May 2019 14:45

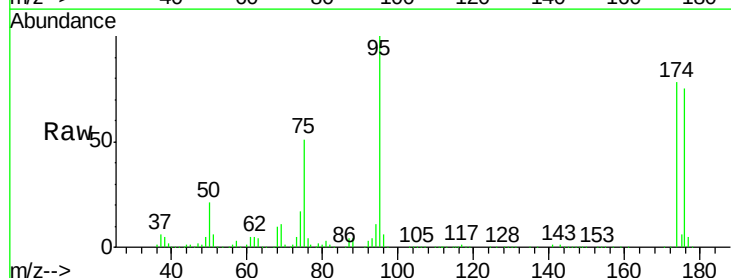
Tgt Ion: 95 Resp: 130746

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.6

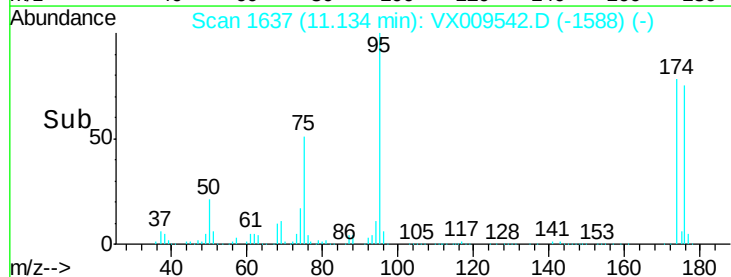
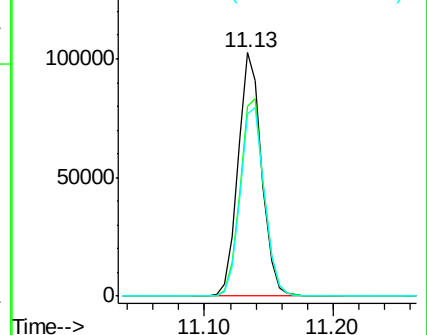
176 79.9 0.0 159.2

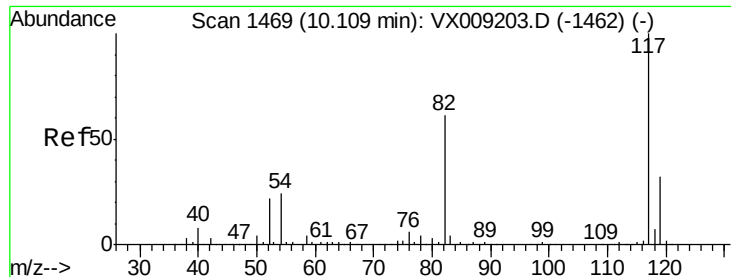


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

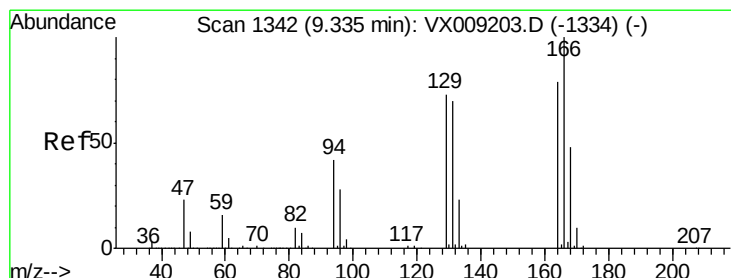
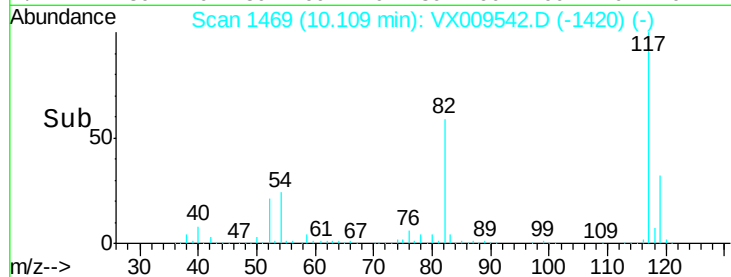
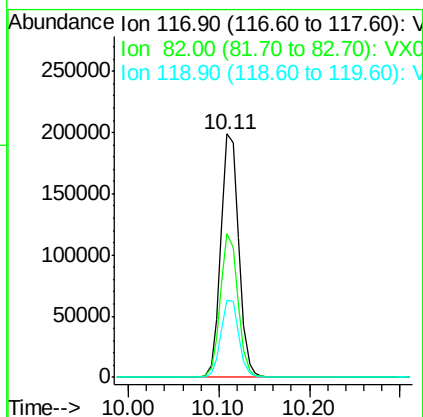
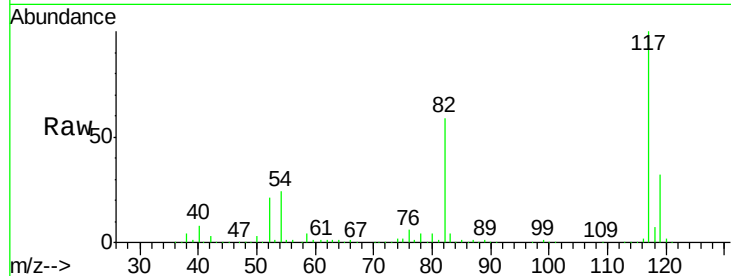




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009542.D
Acq: 13 May 2019 14:45

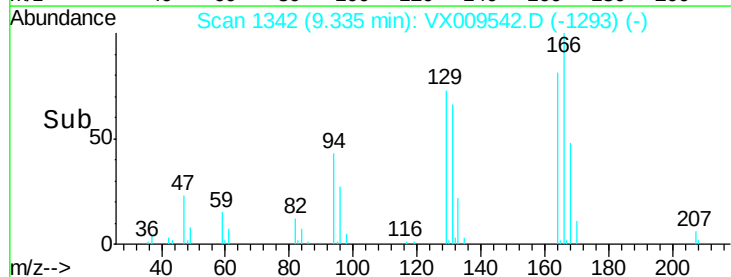
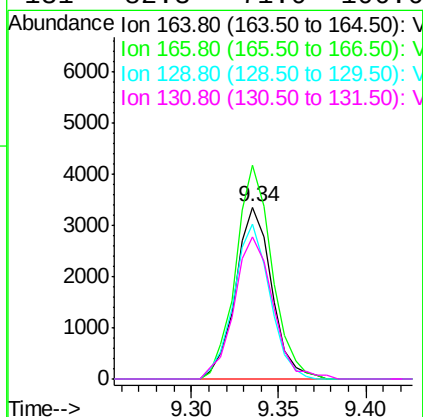
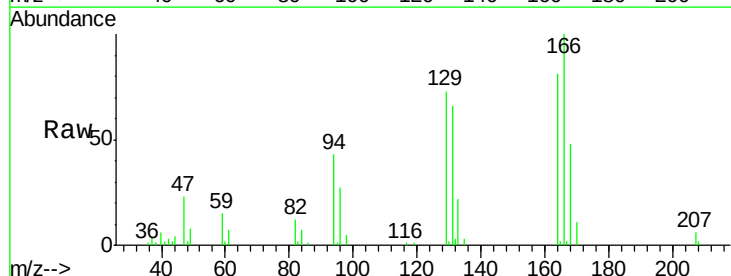
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-378-380

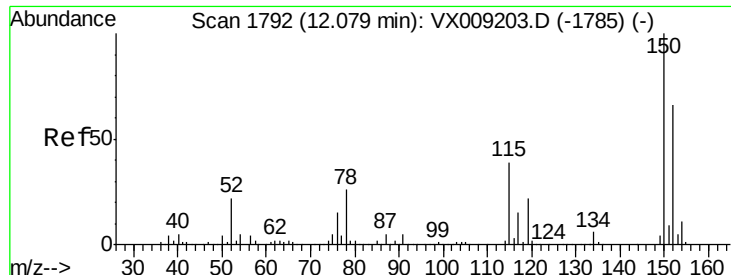
Tot Ion:117 Resp: 275391
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 2.562 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009542.D
Acq: 13 May 2019 14:45

Tgt Ion:164 Resp: 4839
Ion Ratio Lower Upper
164 100
166 124.1 101.2 151.8
129 90.3 74.3 111.5
131 82.3 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009542.D

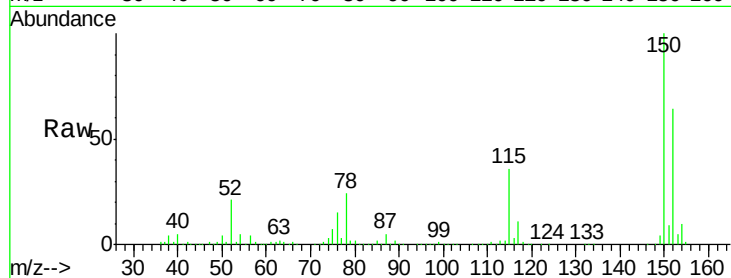
Acq: 13 May 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-378-380



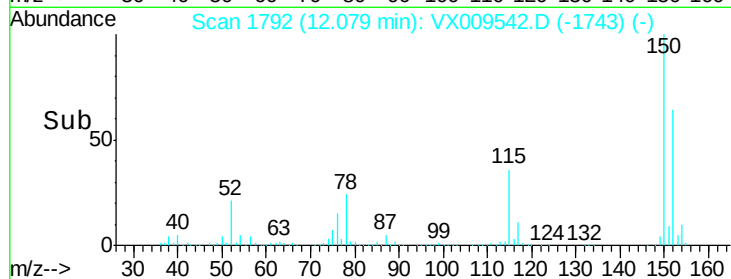
Tot Ion:152 Resp: 121164

Ion Ratio Lower Upper

152 100

115 58.1 41.2 123.6

150 155.6 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

