

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009540.D
 Acq On : 13 May 2019 13:58
 Operator : JC/SP
 Sample : K2834-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-318-320

Quant Time: May 14 04:14:39 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

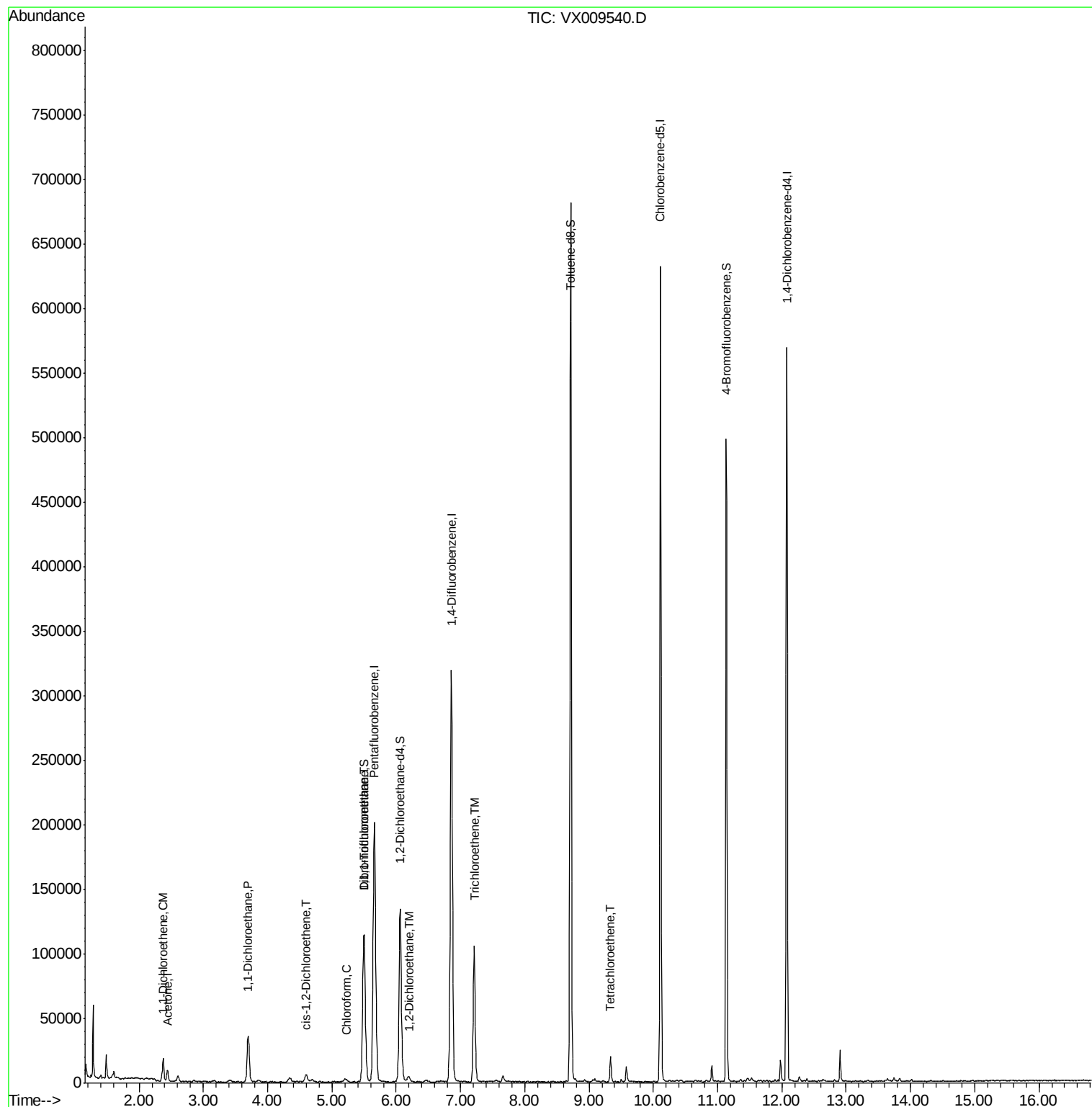
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	195461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119832	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	126630	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	5.50	113	95873	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.71	98	391166	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	131786	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.37	96	5337	2.910	ug/l	98
16) Acetone	2.44	43	9768	6.818	ug/l	95
24) 1,1-Dichloroethane	3.70	63	42022	9.911	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	3452	1.454	ug/l	90
30) Chloroform	5.22	83	2646	0.690	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	4146	1.299	ug/l #	49
42) 1,2-Dichloroethane	6.20	62	4295	1.329	ug/l	93
44) Trichloroethene	7.21	130	40271	18.493	ug/l	100
64) Tetrachloroethene	9.34	164	3865	2.026	ug/l	90

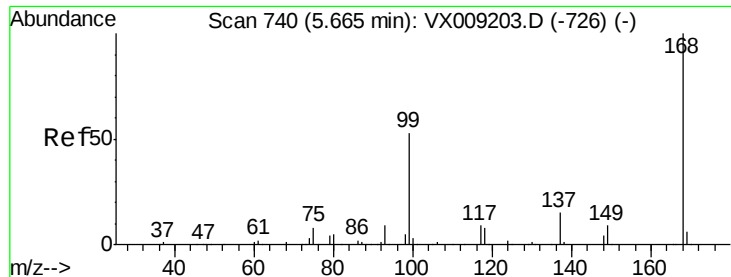
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
BP-VPB202-GW-318-320

Quant Time: May 14 04:14:39 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

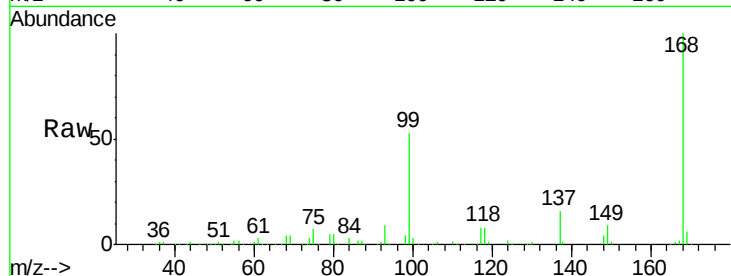
BP-VPB202-GW-318-320

Tot Ion:168 Resp: 195461

Ion Ratio Lower Upper

168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

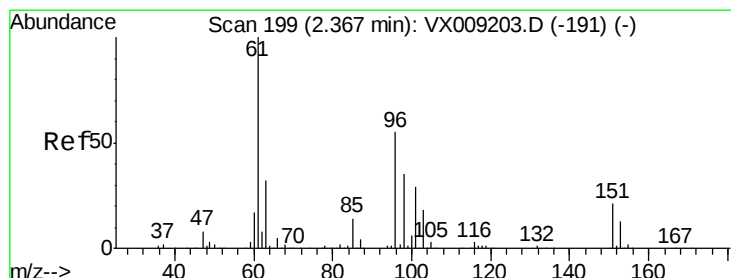
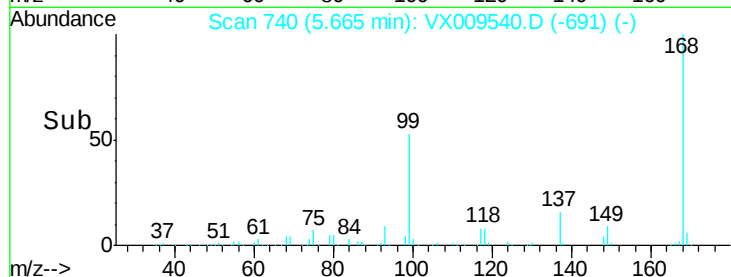
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#12

1,1-Dichloroethene

Concen: 2.910 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

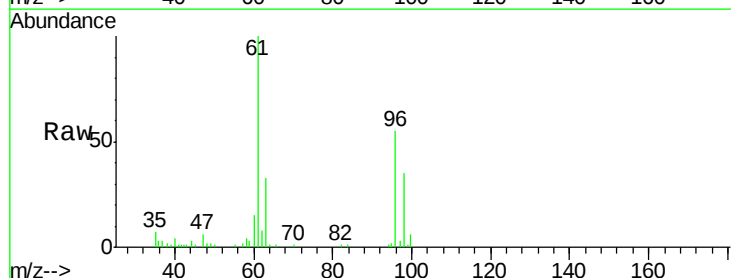
Tgt Ion: 96 Resp: 5337

Ion Ratio Lower Upper

96 100

61 183.2 144.3 216.5

98 64.4 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

8000

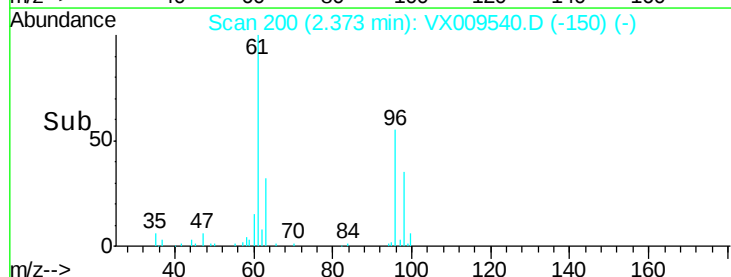
6000

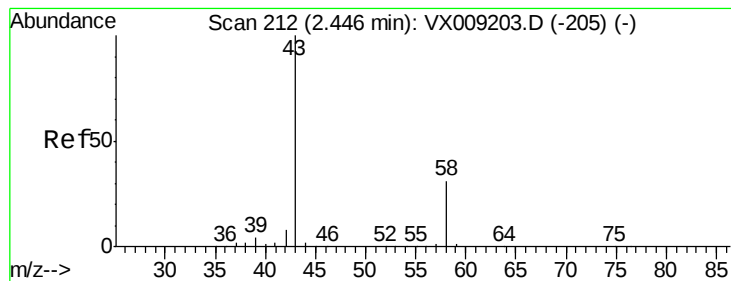
4000

2000

0

Time--> 2.30 2.35 2.40 2.45





#16

Acetone

Concen: 6.818 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

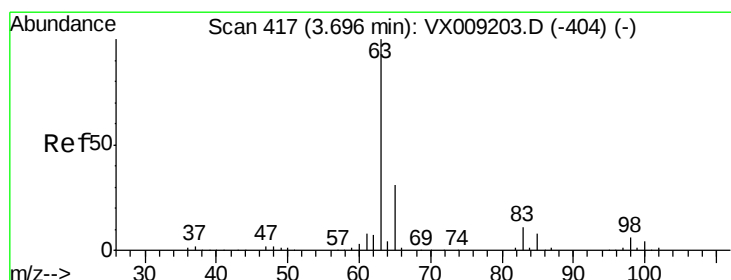
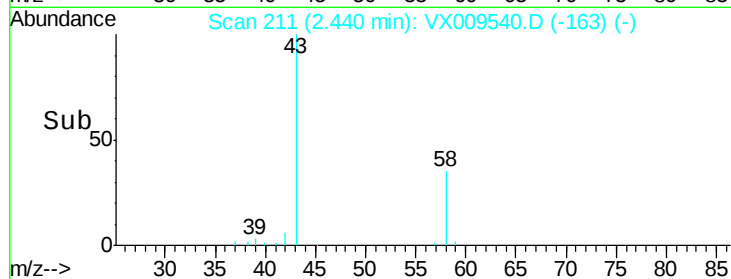
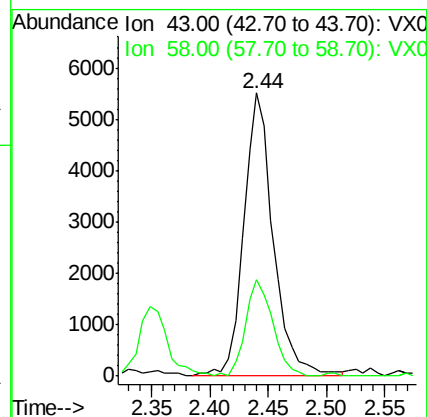
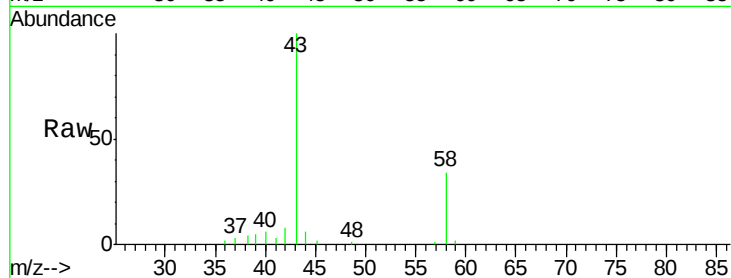
BP-VPB202-GW-318-320

Tot Ion: 43 Resp: 9768

Ion Ratio Lower Upper

43 100

58 34.0 24.9 37.3



#24

1,1-Dichloroethane

Concen: 9.911 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

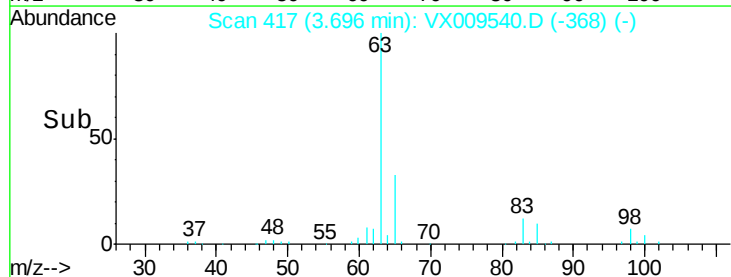
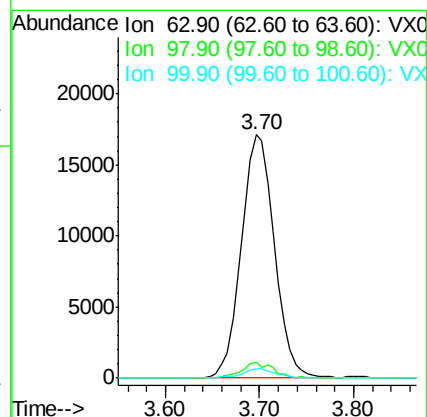
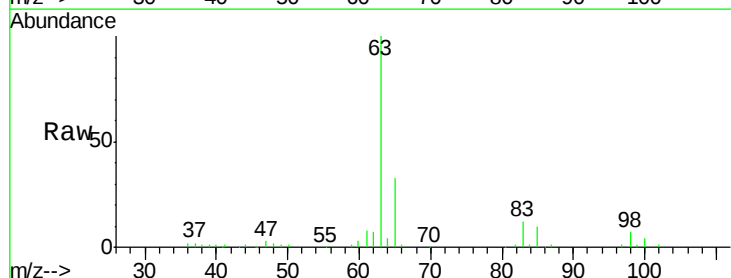
Tgt Ion: 63 Resp: 42022

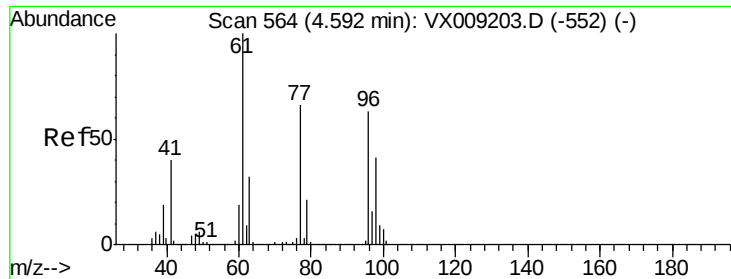
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.6 2.0 6.0



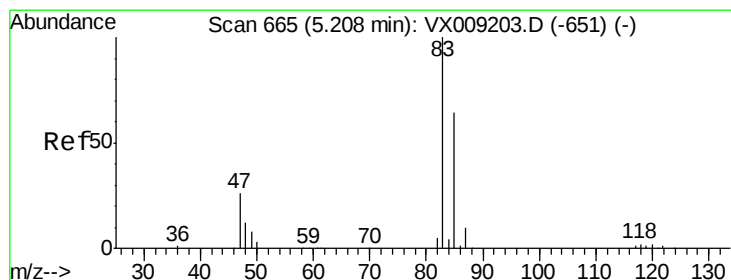
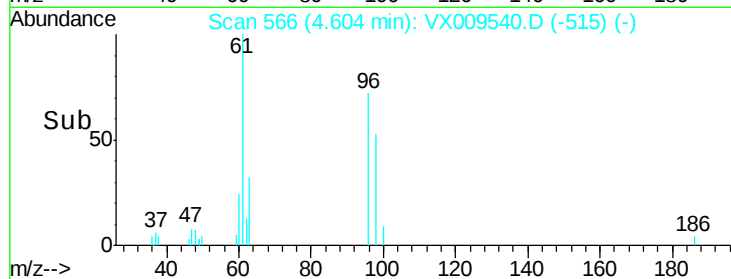
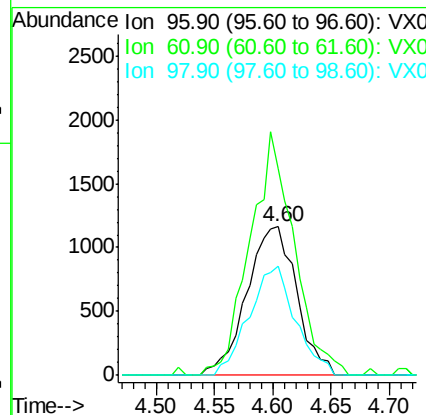
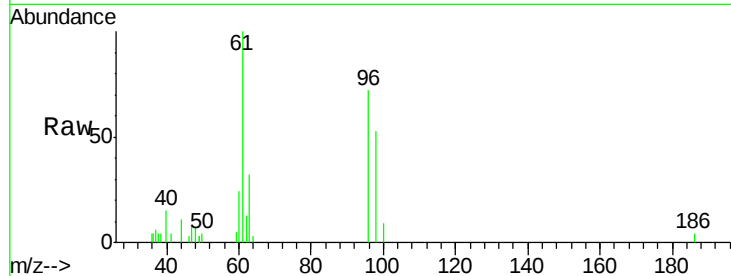


#27

cis-1,2-Dichloroethene
 Concen: 1.454 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX009540.D
 Acq: 13 May 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-318-320

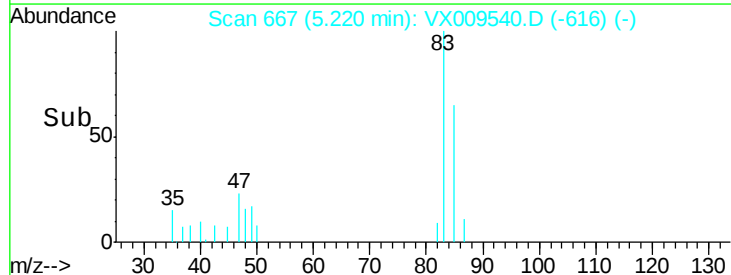
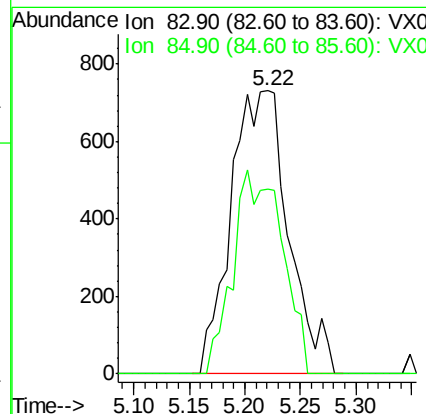
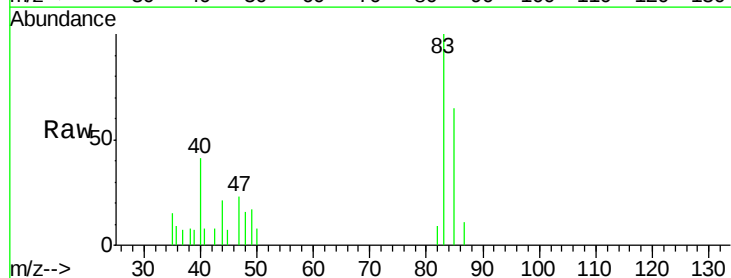
Tot Ion: 96 Resp: 3452
 Ion Ratio Lower Upper
 96 100
 61 145.4 0.0 324.0
 98 68.3 0.0 130.4

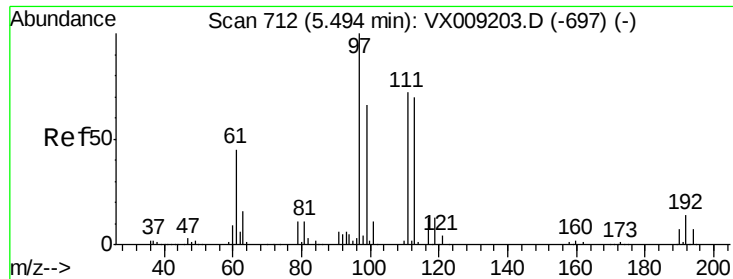


#30

Chloroform
 Concen: 0.690 ug/l
 RT: 5.22 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VX009540.D
 Acq: 13 May 2019 13:58

Tgt Ion: 83 Resp: 2646
 Ion Ratio Lower Upper
 83 100
 85 65.3 51.5 77.3





#32

1,1,1-Trichloroethane

Concen: 1.299 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-318-320

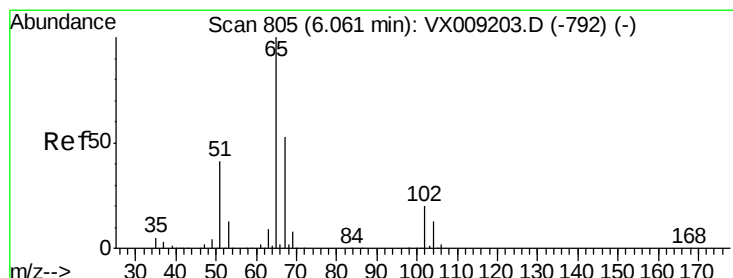
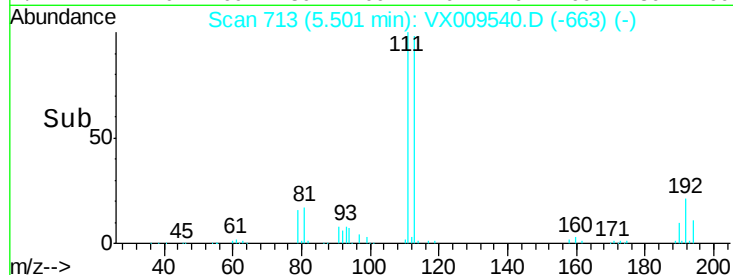
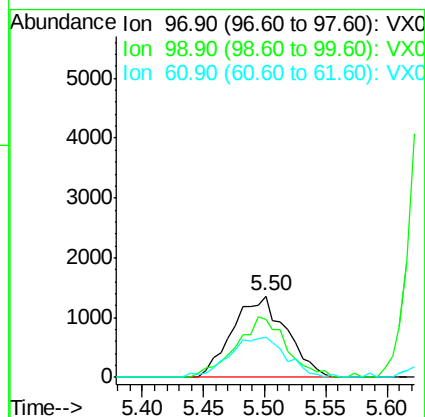
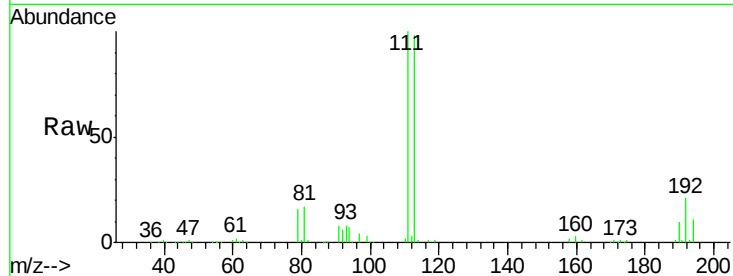
Tot Ion: 97 Resp: 4146

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.8#

61 52.8 37.8 56.8



#33

1,2-Dichloroethane-d4

Concen: 47.458 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009540.D

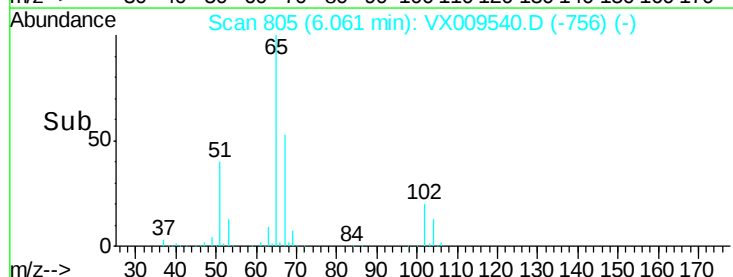
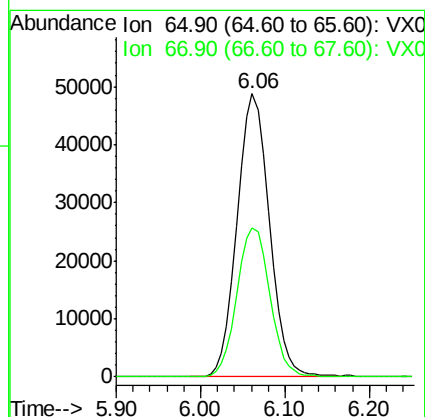
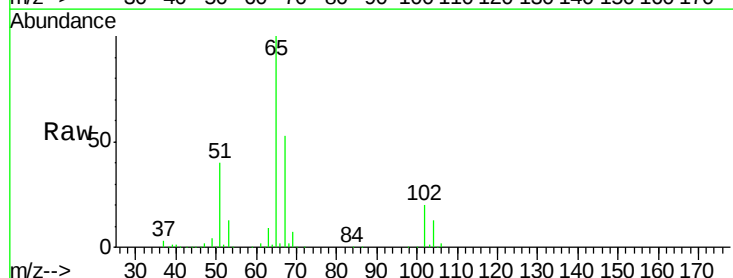
Acq: 13 May 2019 13:58

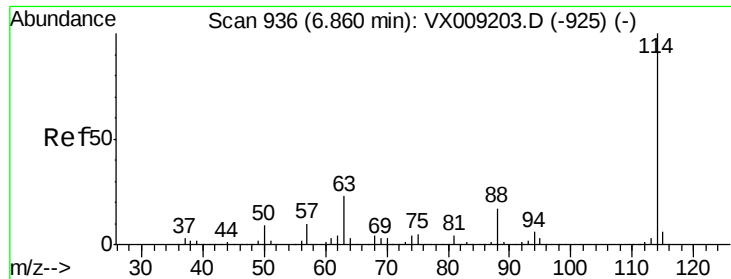
Tgt Ion: 65 Resp: 126630

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.6

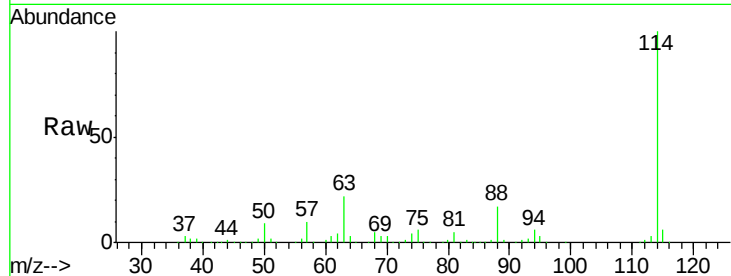




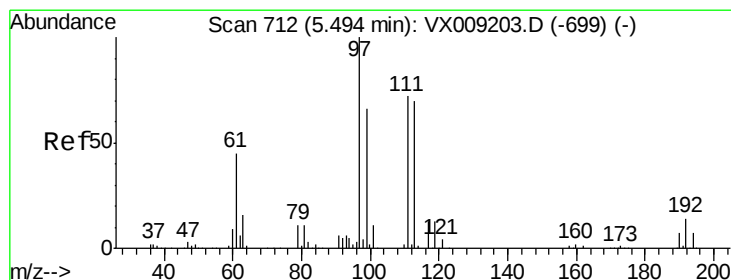
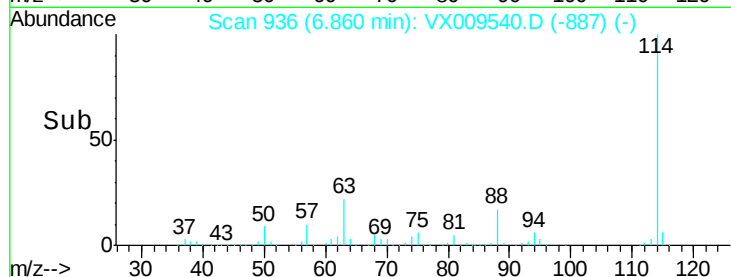
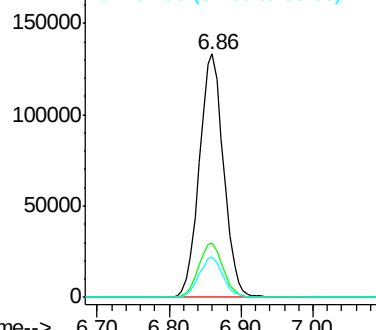
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009540.D
 Acq: 13 May 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-318-320

Tot Ion:114 Resp: 313203
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.6
 88 16.7 0.0 33.2

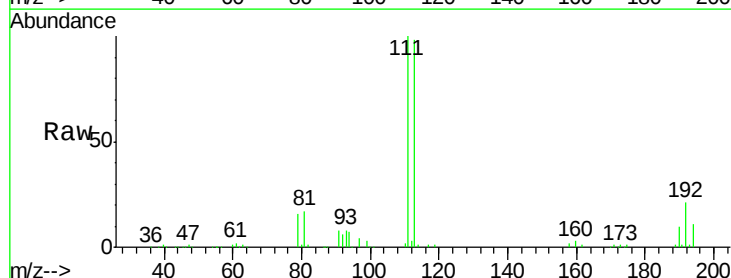


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

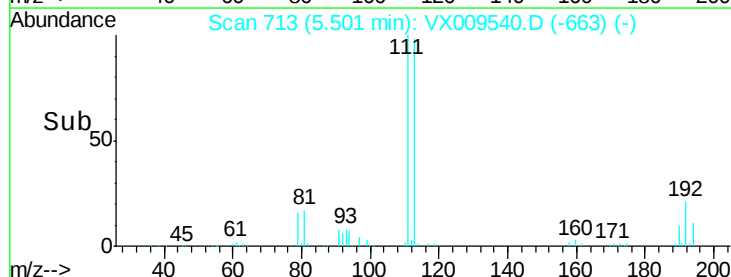
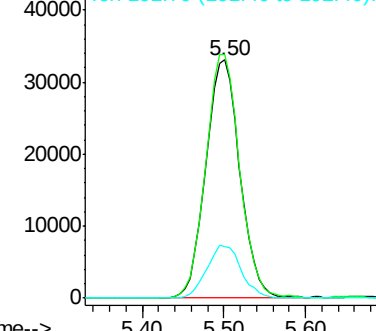


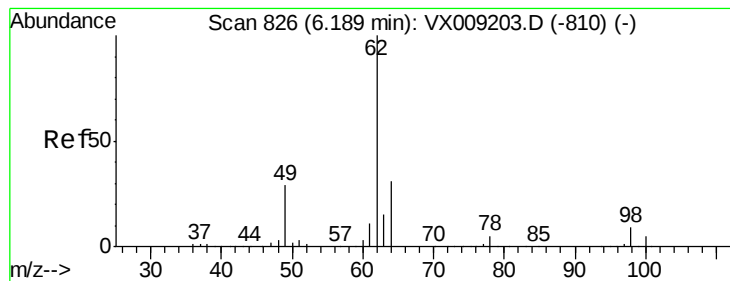
#35
 Dibromofluoromethane
 Concen: 48.693 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009540.D
 Acq: 13 May 2019 13:58

Tgt Ion:113 Resp: 95873
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 22.3 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: 1.329 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

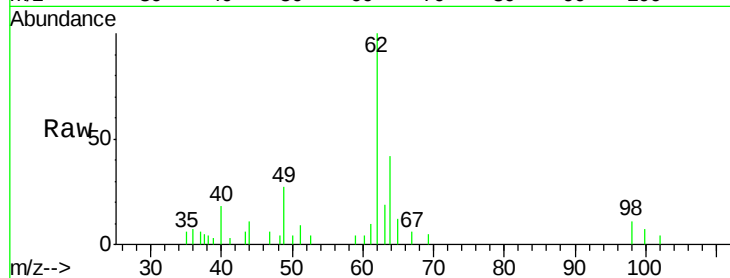
BP-VPB202-GW-318-320

Tot Ion: 62 Resp: 4295

Ion Ratio Lower Upper

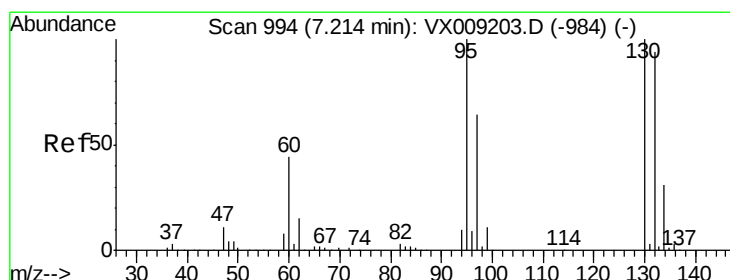
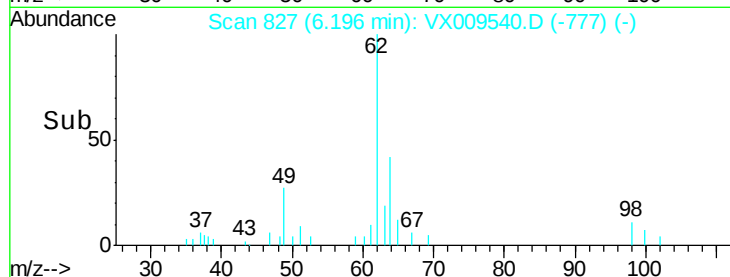
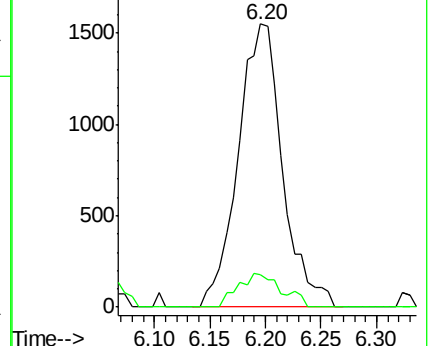
62 100

98 11.6 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: 18.493 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009540.D

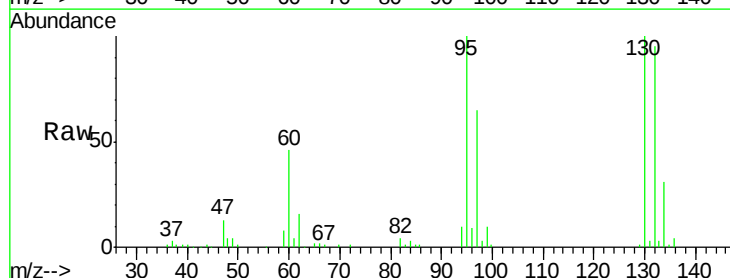
Acq: 13 May 2019 13:58

Tgt Ion:130 Resp: 40271

Ion Ratio Lower Upper

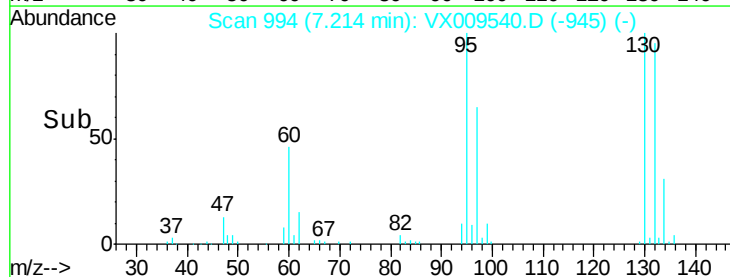
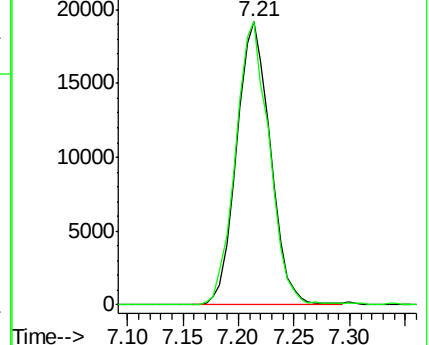
130 100

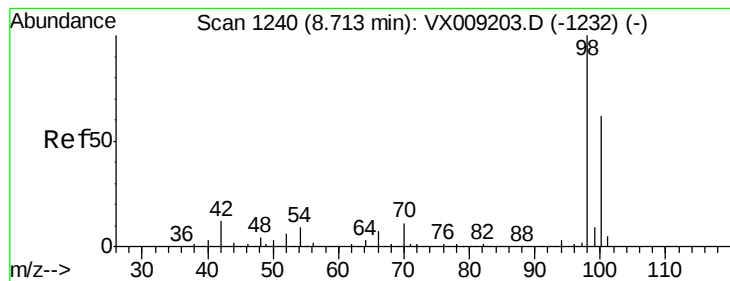
95 100.1 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.209 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

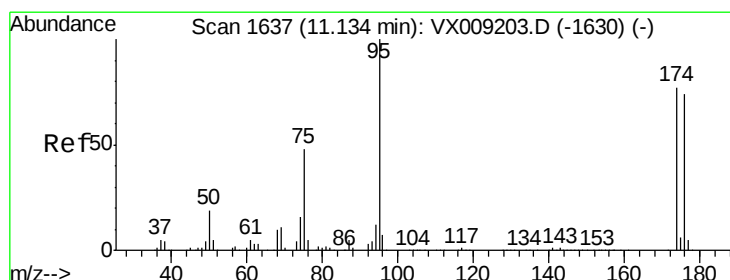
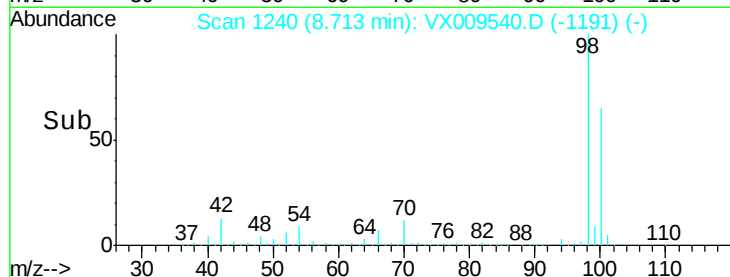
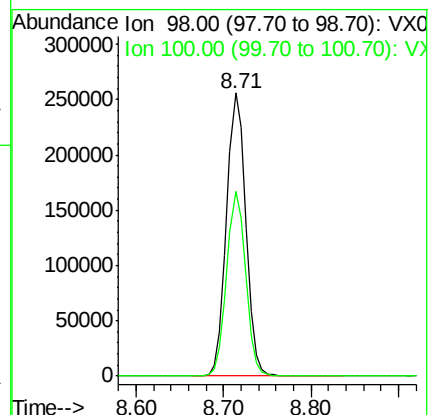
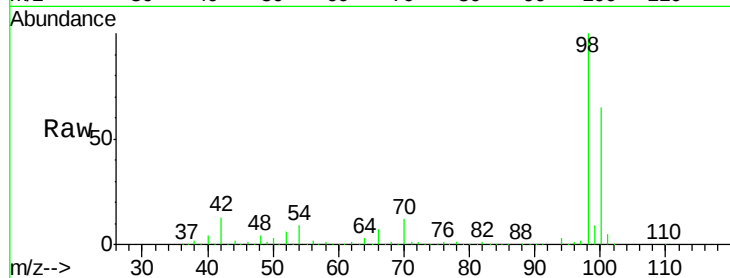
BP-VPB202-GW-318-320

Tot Ion: 98 Resp: 391166

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 45.626 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009540.D

Acq: 13 May 2019 13:58

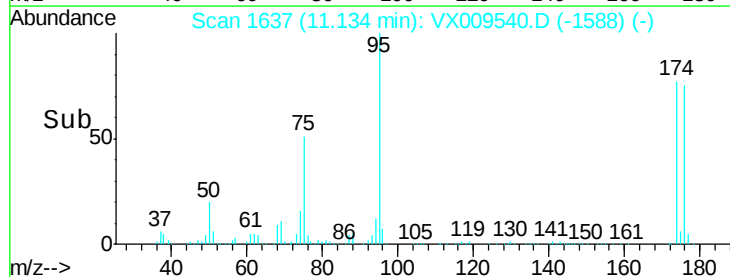
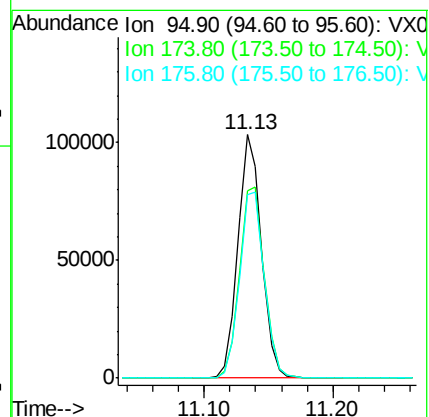
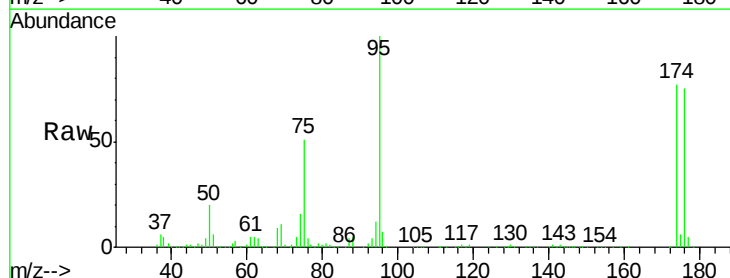
Tgt Ion: 95 Resp: 131786

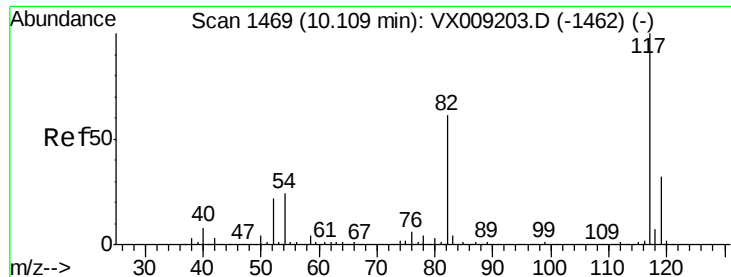
Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 80.2 0.0 159.2

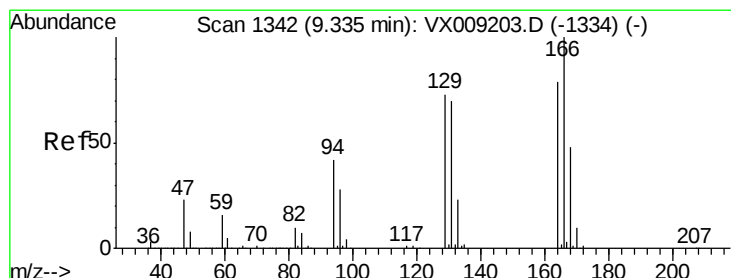
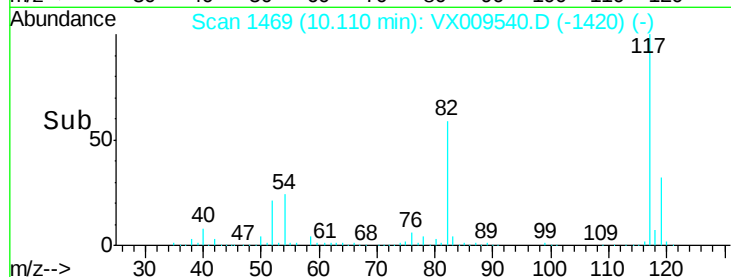
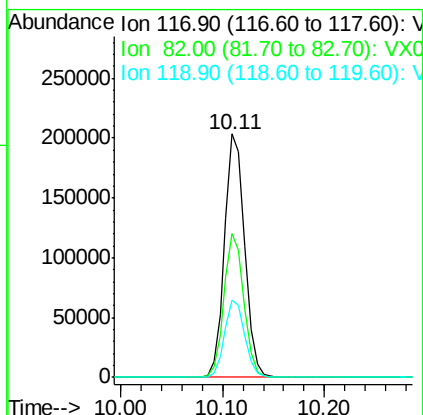
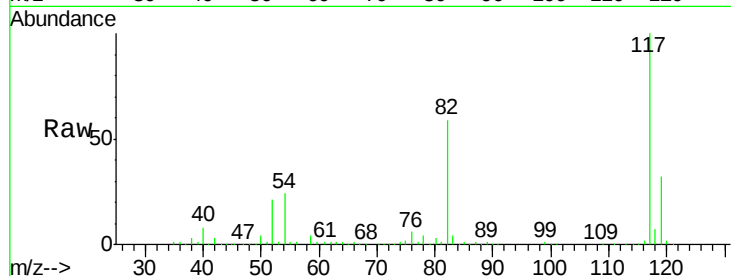




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009540.D
Acq: 13 May 2019 13:58

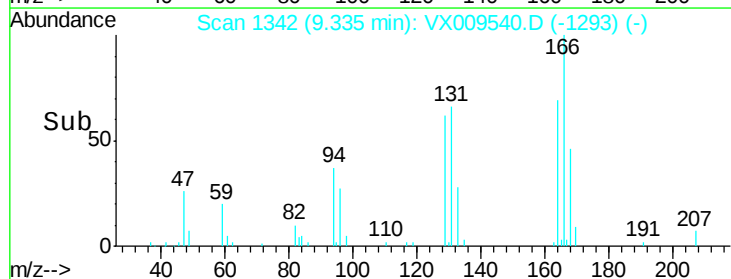
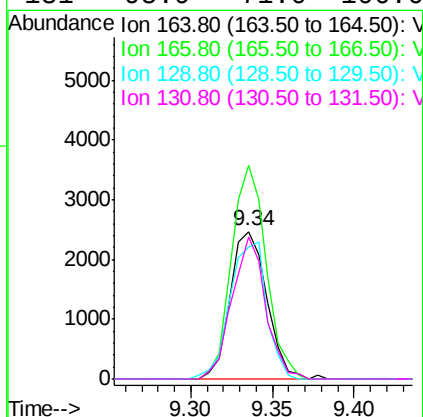
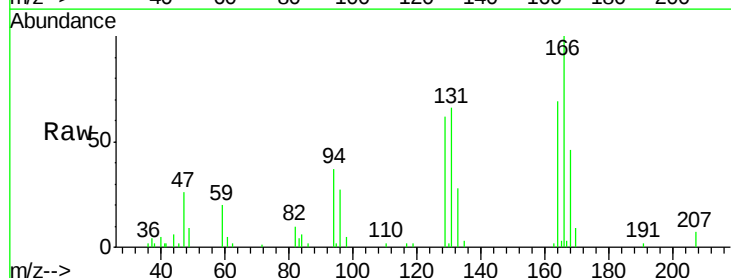
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-318-320

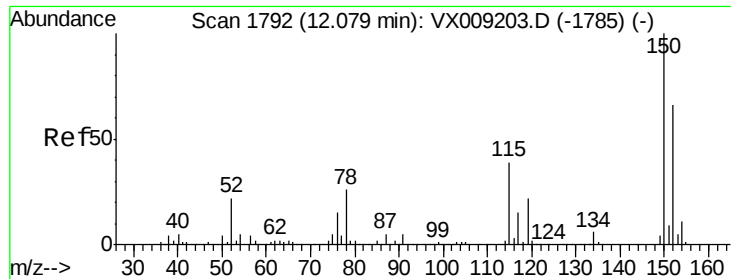
Tot Ion:117 Resp: 278099
Ion Ratio Lower Upper
117 100
82 59.1 48.8 73.2
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 2.026 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009540.D
Acq: 13 May 2019 13:58

Tgt Ion:164 Resp: 3865
Ion Ratio Lower Upper
164 100
166 144.6 101.2 151.8
129 88.9 74.3 111.5
131 95.9 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: VX009540.D
 Acq: 13 May 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-318-320

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	41.2	123.6
150	158.5	0.0	346.4

