

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030619\
 Data File : VX007868.D
 Acq On : 06 Mar 2019 18:54
 Operator : JC/SP
 Sample : K1759-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-560-562

Quant Time: Mar 07 07:52:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	300677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469235	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	440856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213094	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	164624	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	5.51	113	152584	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	8.71	98	568047	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.13	95	210505	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

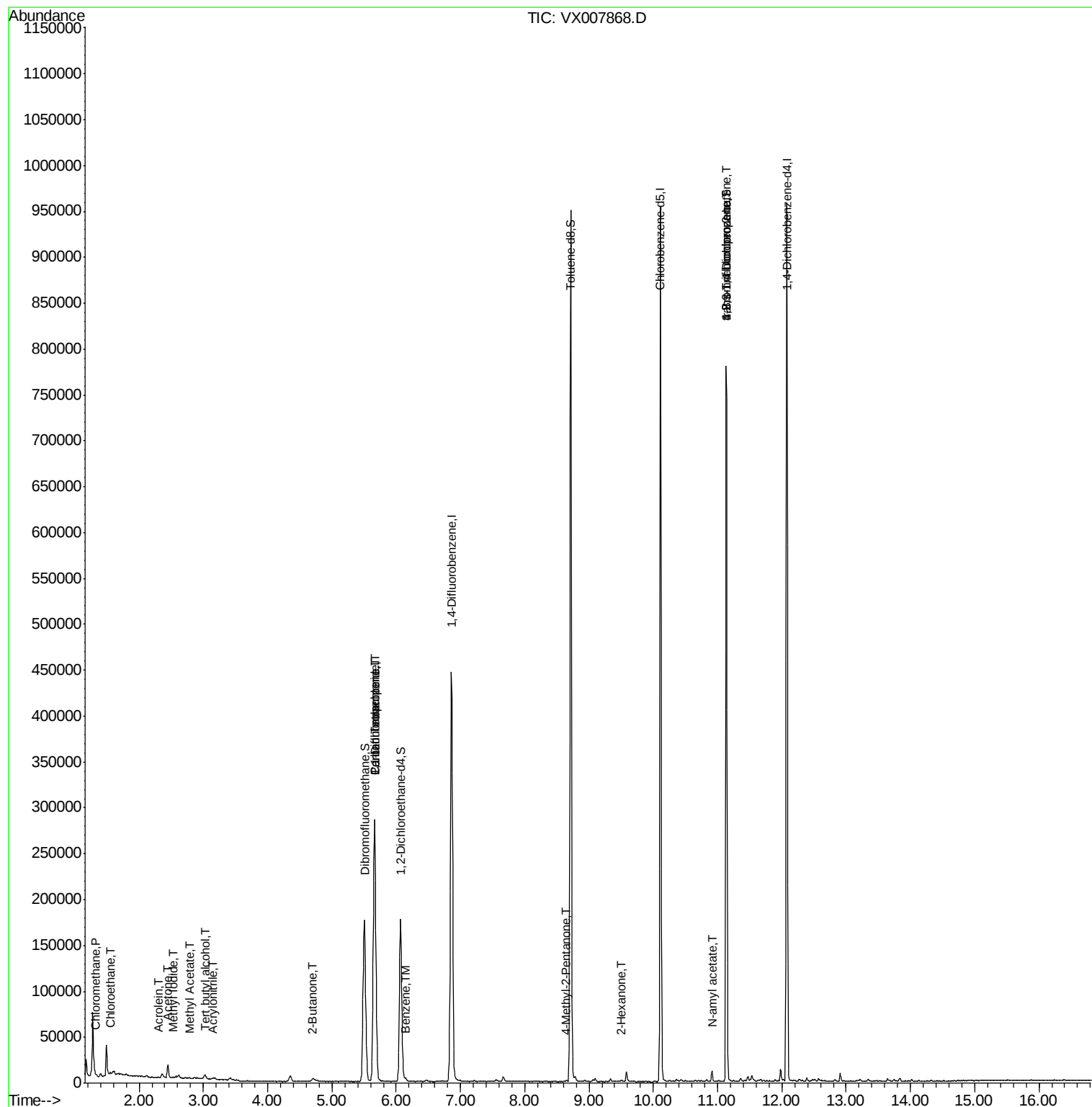
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	783	0.237	ug/l	90
5) Bromomethane	1.65	94	593	Below Cal	#	77
6) Chloroethane	1.56	64	9265	4.240	ug/l #	56
10) Methyl Iodide	2.52	142	1032	0.274	ug/l #	88
11) Tert butyl alcohol	3.02	59	2669	3.763	ug/l #	78
13) Acrolein	2.29	56	368	2.452	ug/l	87
15) Acrylonitrile	3.15	53	442	0.247	ug/l #	74
16) Acetone	2.45	43	15036	8.190	ug/l	100
17) Carbon Disulfide	2.57	76	2595	Below Cal	#	93
18) Methyl Acetate	2.78	43	900	0.231	ug/l	96
25) 2-Butanone	4.70	43	5767	2.219	ug/l	98
36) 1,1-Dichloropropene	5.66	75	18736	4.410	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26107	6.472	ug/l #	17
40) Benzene	6.15	78	3514	0.278	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	1038	0.216	ug/l	92
59) 2-Hexanone	9.50	43	1274	0.342	ug/l	92
74) N-amyl acetate	10.91	43	1542	0.234	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	96664	21.617	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	96664	69.100	ug/l #	11

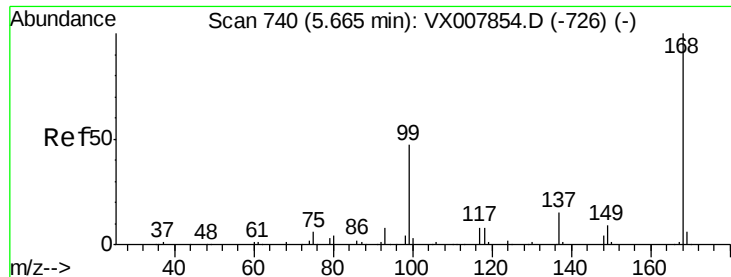
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 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: VX007868.D

Acq: 06 Mar 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

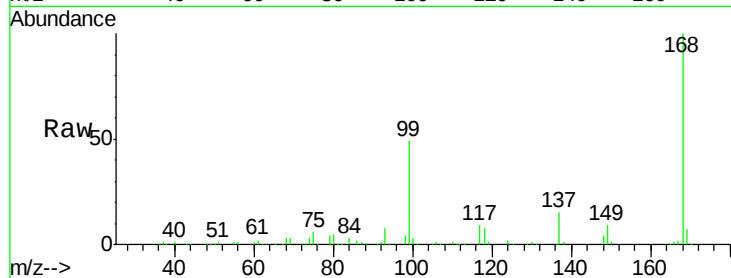
BP-VPB201-GW-560-562

Tgt Ion:168 Resp: 300677

Ion Ratio Lower Upper

168 100

99 49.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

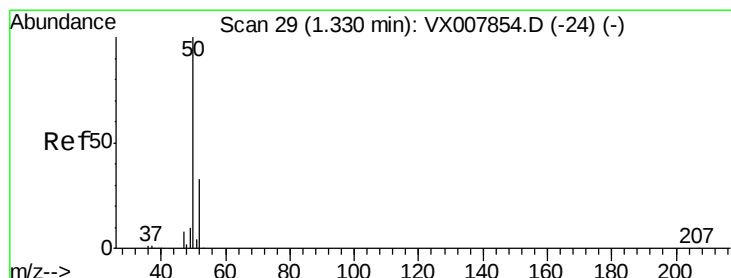
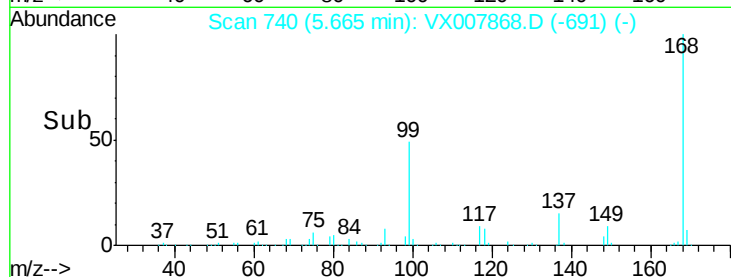
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007868.D

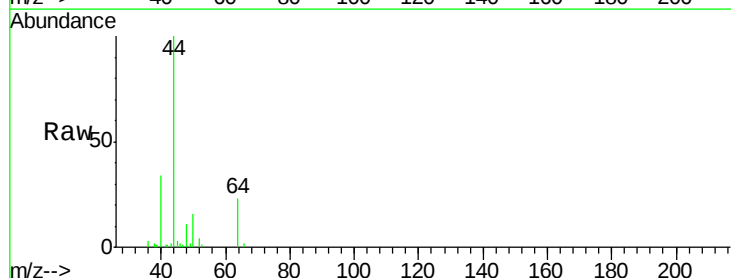
Acq: 06 Mar 2019 18:54

Tgt Ion: 50 Resp: 783

Ion Ratio Lower Upper

50 100

52 27.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

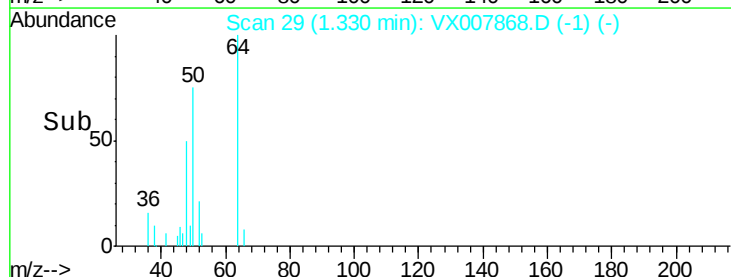
600

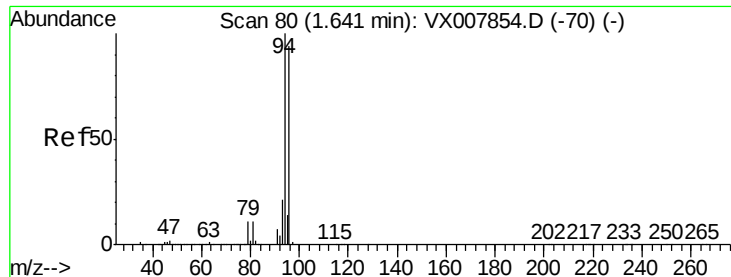
400

200

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

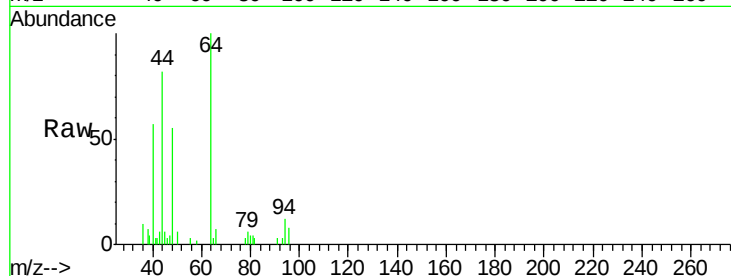
BP-VPB201-GW-560-562

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

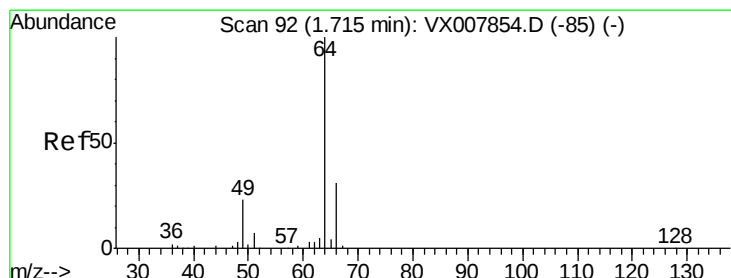
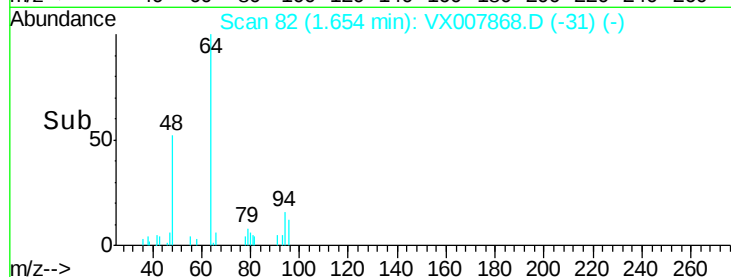
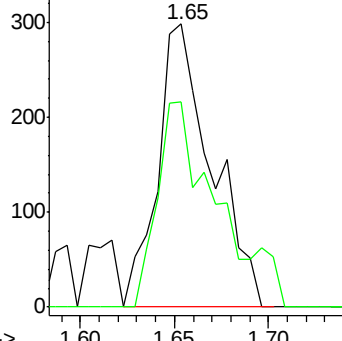
94 100

96 72.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.240 ug/l

RT: 1.56 min Scan# 66

Delta R.T. -0.16 min

Lab File: VX007868.D

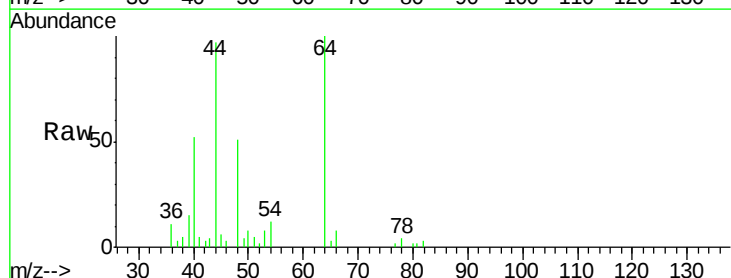
Acq: 06 Mar 2019 18:54

Tgt Ion: 64 Resp: 9265

Ion Ratio Lower Upper

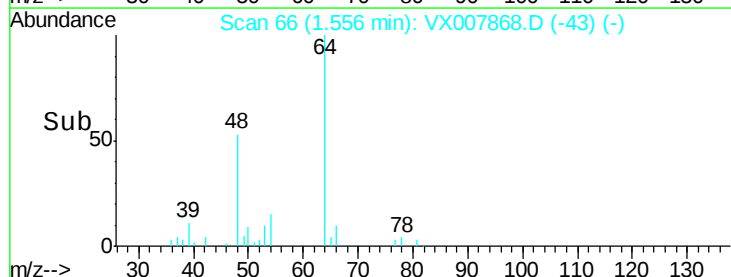
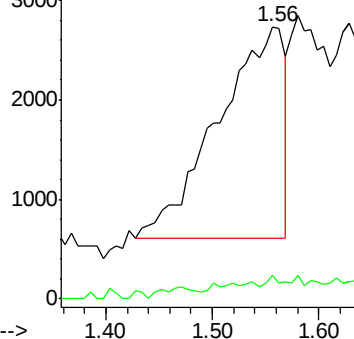
64 100

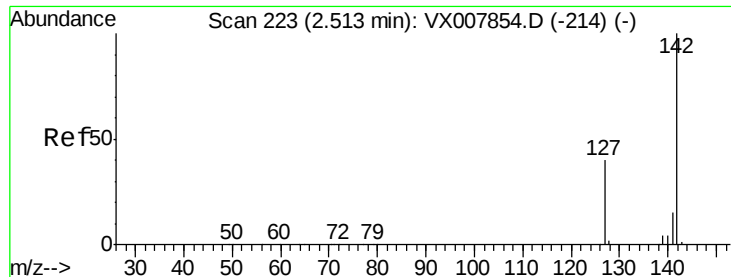
66 6.9 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

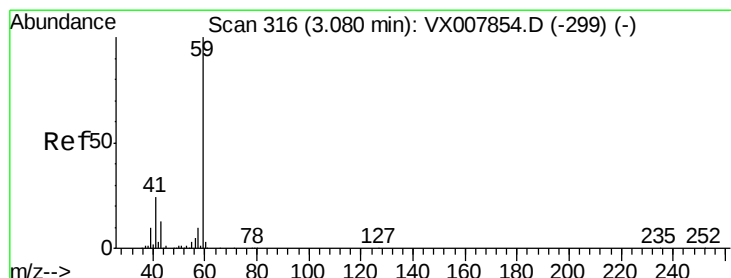
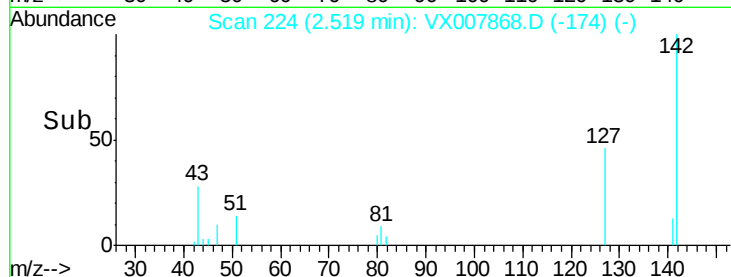
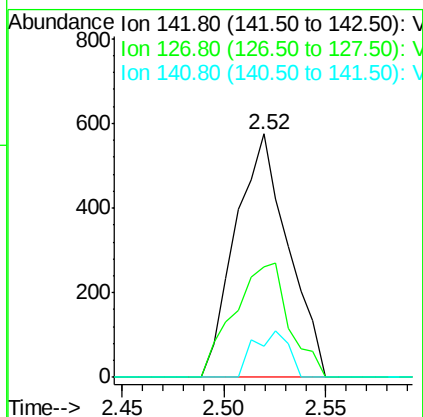
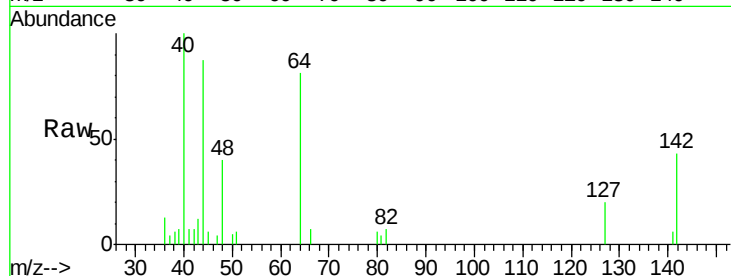




#10
Methyl Iodide
Concen: 0.274 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

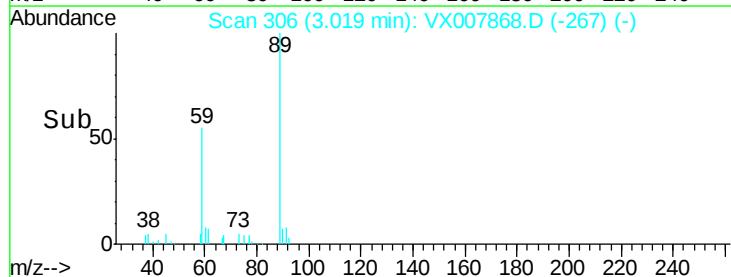
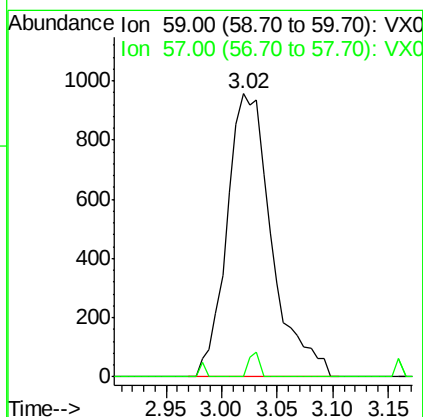
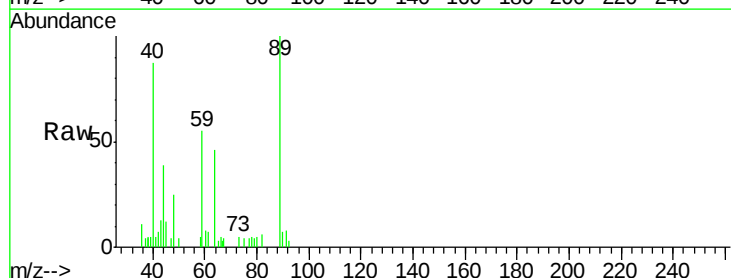
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-560-562

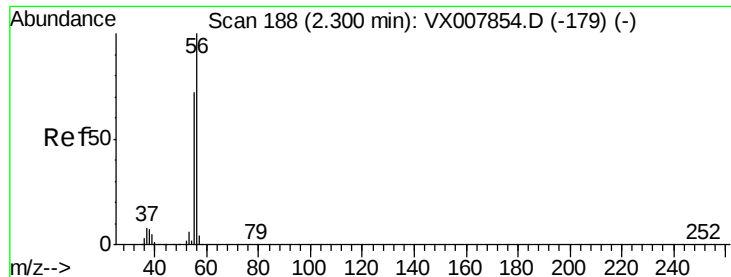
Tgt Ion: 142 Resp: 1032
Ion Ratio Lower Upper
142 100
127 49.2 32.1 48.1#
141 12.5 11.4 17.2



#11
Tert butyl alcohol
Concen: 3.763 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

Tgt Ion: 59 Resp: 2669
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.2#





#13

Acrolein

Concen: 2.452 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

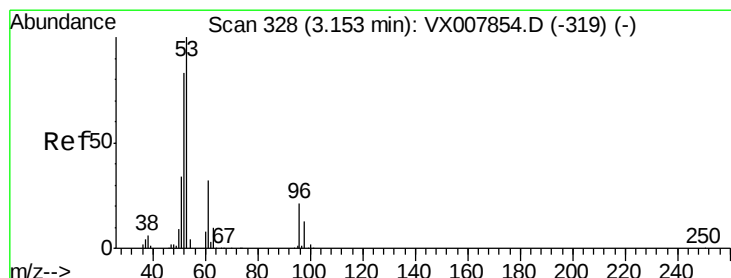
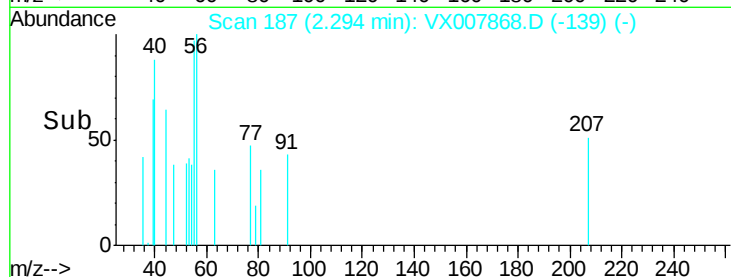
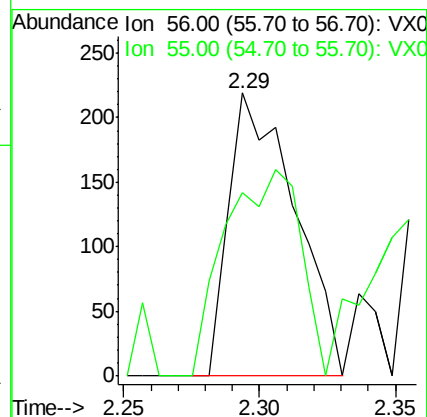
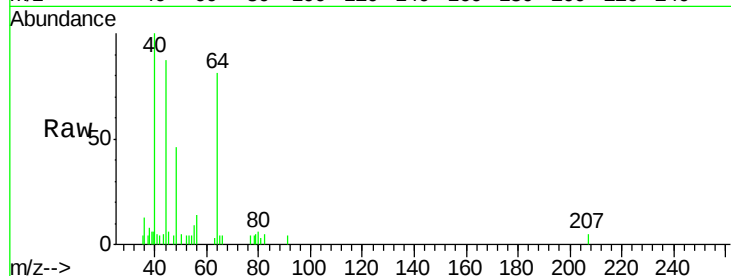
BP-VPB201-GW-560-562

Tgt Ion: 56 Resp: 368

Ion Ratio Lower Upper

56 100

55 83.2 57.8 86.6



#15

Acrylonitrile

Concen: 0.247 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

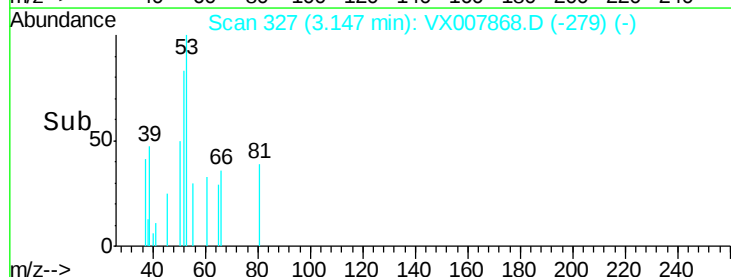
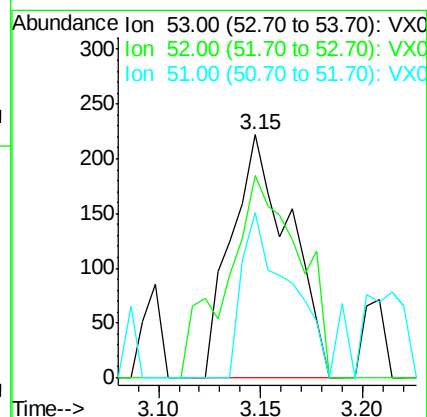
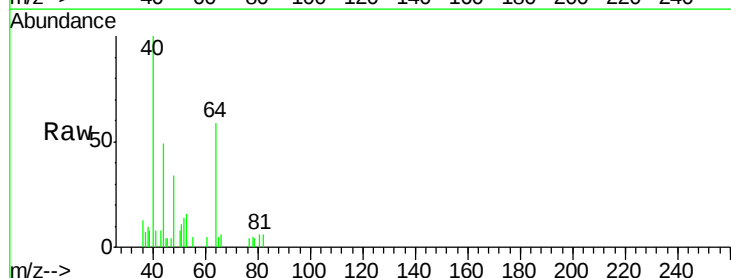
Tgt Ion: 53 Resp: 442

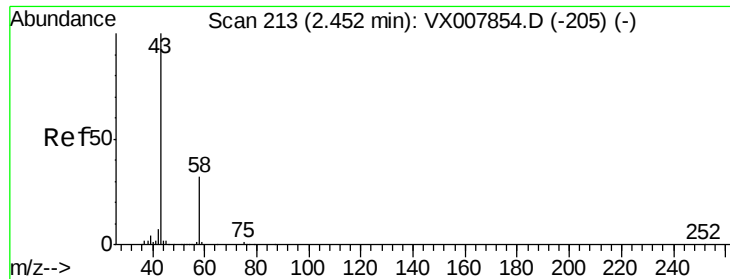
Ion Ratio Lower Upper

53 100

52 102.7 66.0 99.0#

51 54.5 28.0 42.0#





#16

Acetone

Concen: 8.190 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

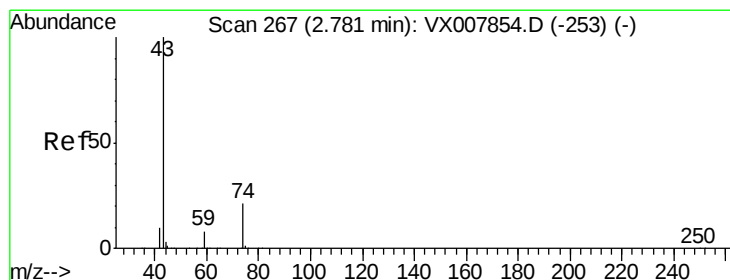
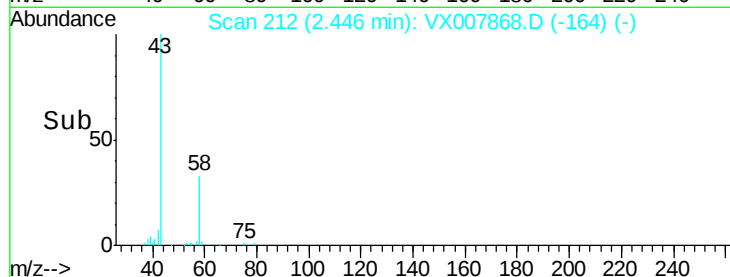
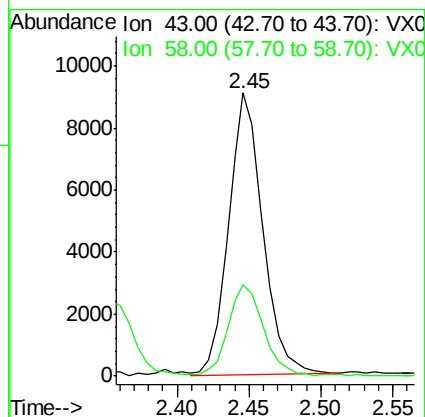
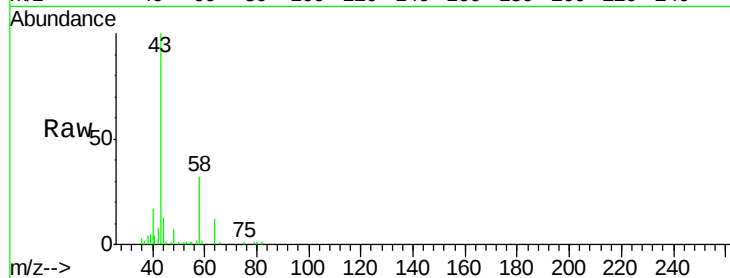
BP-VPB201-GW-560-562

Tgt Ion: 43 Resp: 15036

Ion Ratio Lower Upper

43 100

58 31.9 25.5 38.3



#18

Methyl Acetate

Concen: 0.231 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007868.D

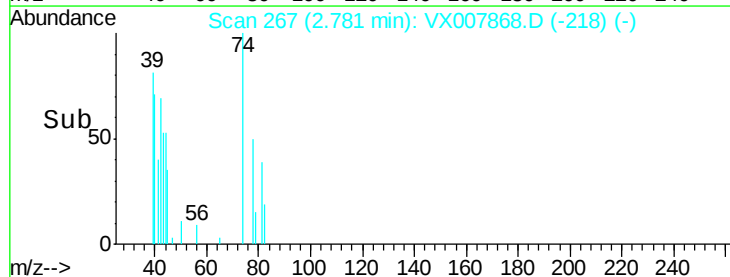
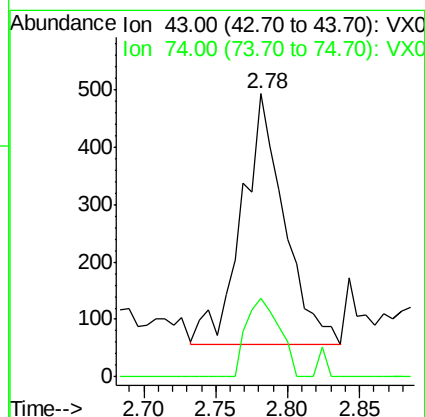
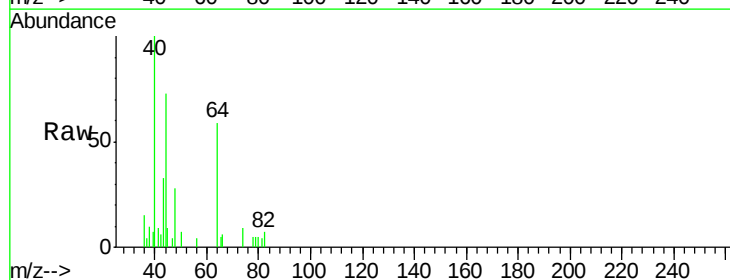
Acq: 06 Mar 2019 18:54

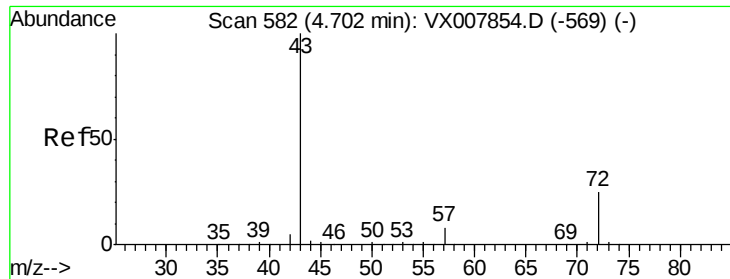
Tgt Ion: 43 Resp: 900

Ion Ratio Lower Upper

43 100

74 24.2 17.8 26.6





#25

2-Butanone

Concen: 2.219 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

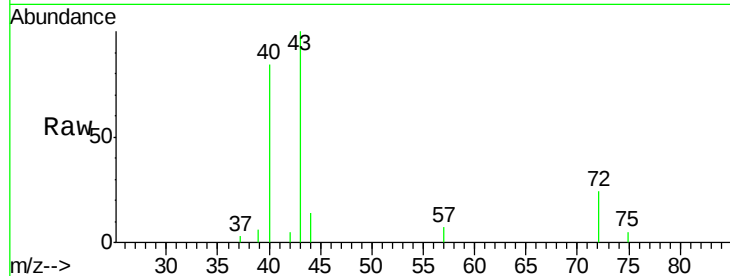
BP-VPB201-GW-560-562

Tgt Ion: 43 Resp: 5767

Ion Ratio Lower Upper

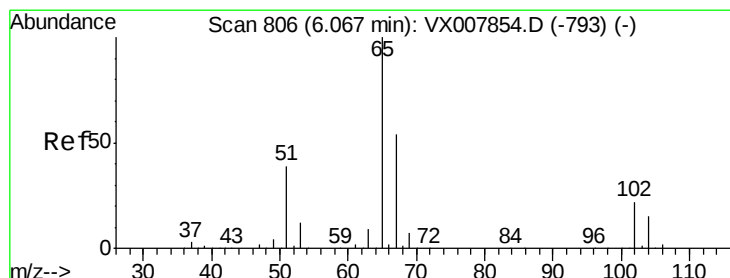
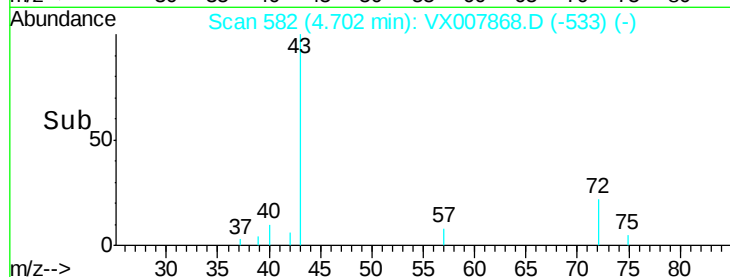
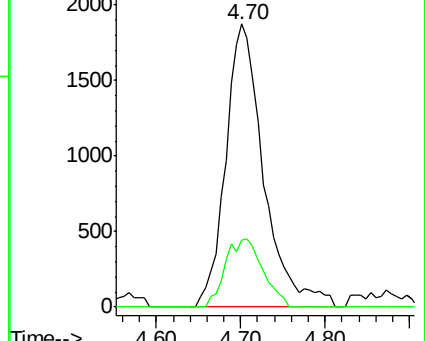
43 100

72 23.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.902 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007868.D

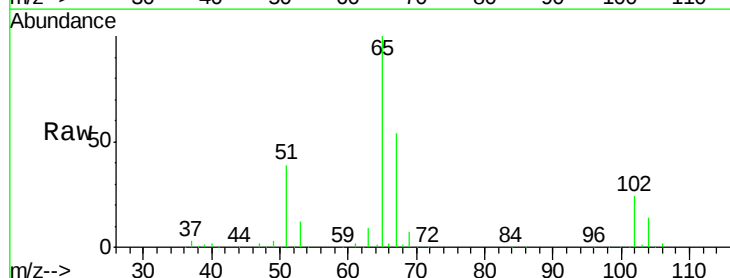
Acq: 06 Mar 2019 18:54

Tgt Ion: 65 Resp: 164624

Ion Ratio Lower Upper

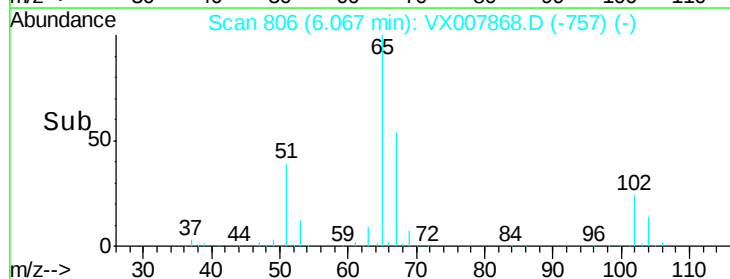
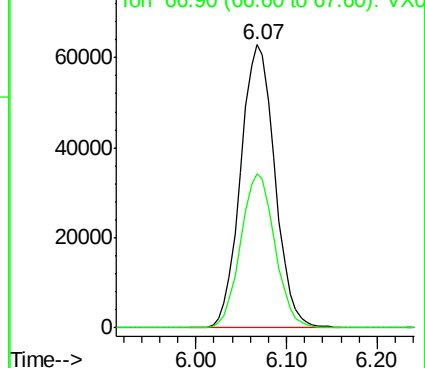
65 100

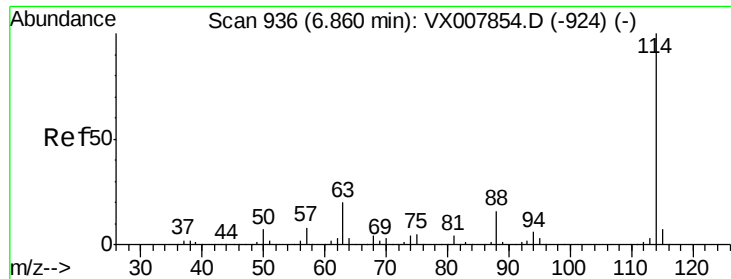
67 54.3 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

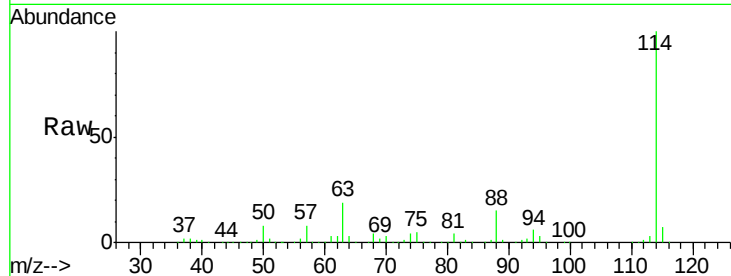




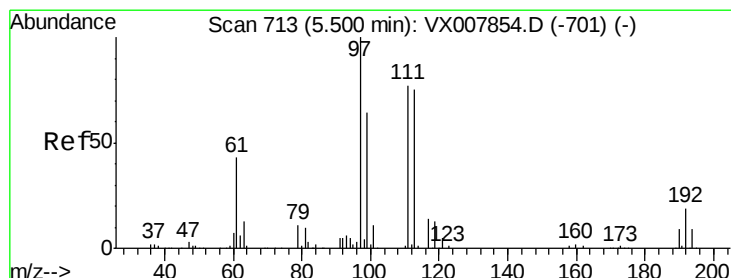
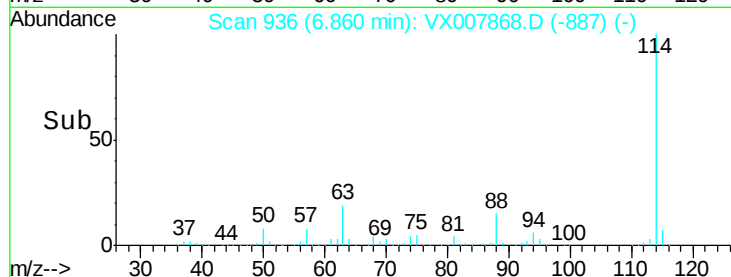
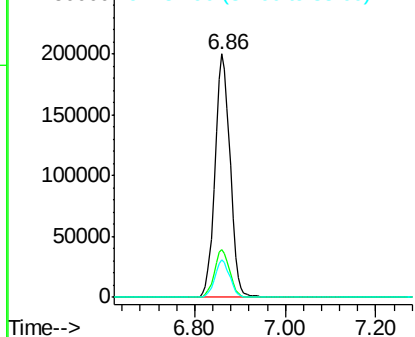
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-560-562

Tgt Ion:114 Resp: 469235
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.8
88 15.2 0.0 31.4

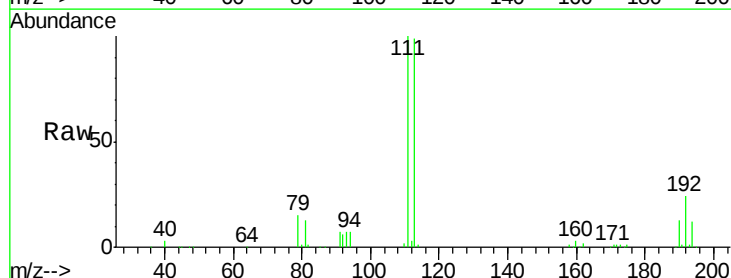


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

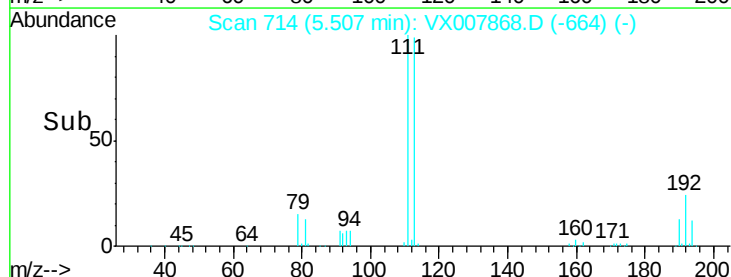
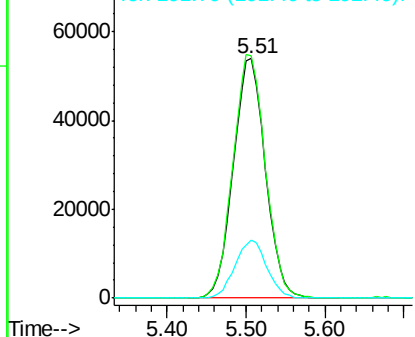


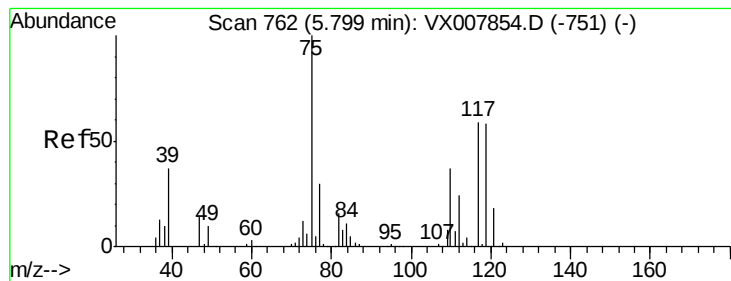
#35
Dibromofluoromethane
Concen: 50.835 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

Tgt Ion:113 Resp: 152584
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 24.0 19.4 29.0



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: 4.410 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-560-562

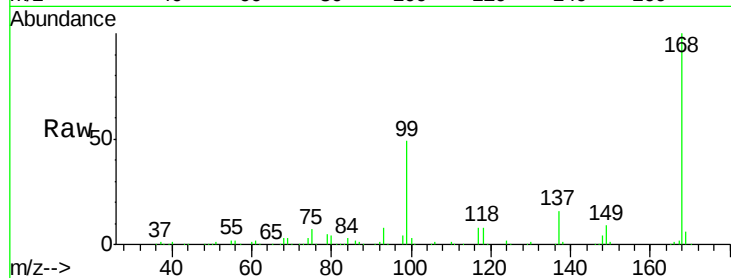
Tgt Ion: 75 Resp: 18736

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

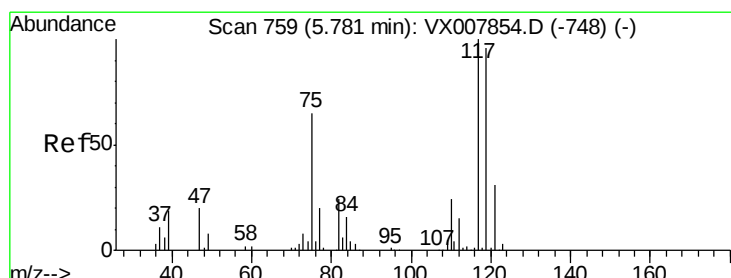
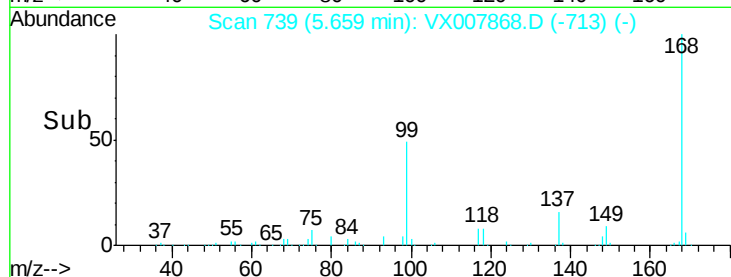
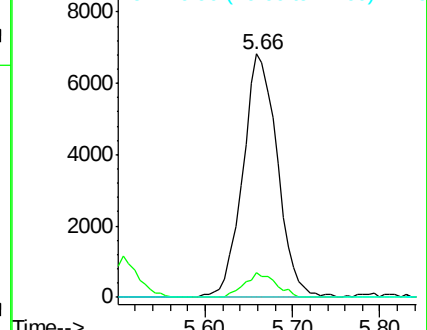
77 0.0 25.0 37.4#



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: 6.472 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

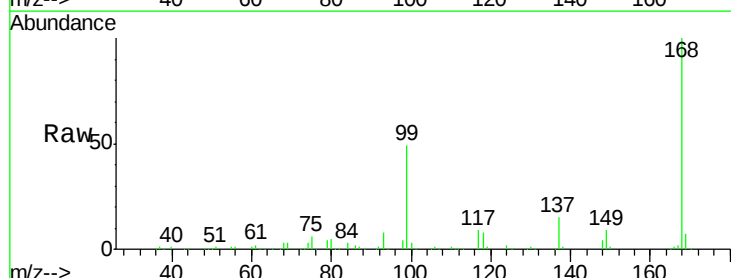
Tgt Ion: 117 Resp: 26107

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

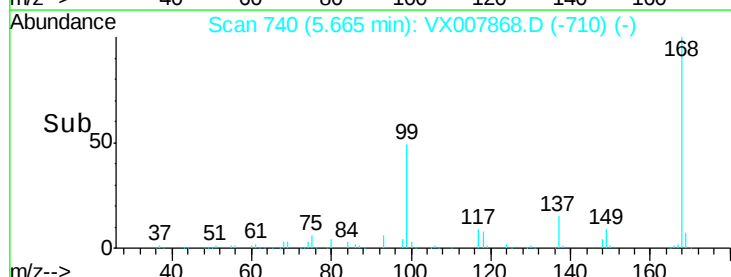
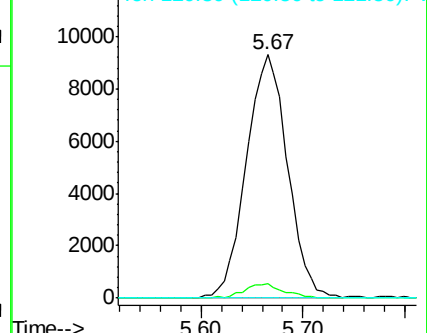
121 0.0 24.6 36.8#

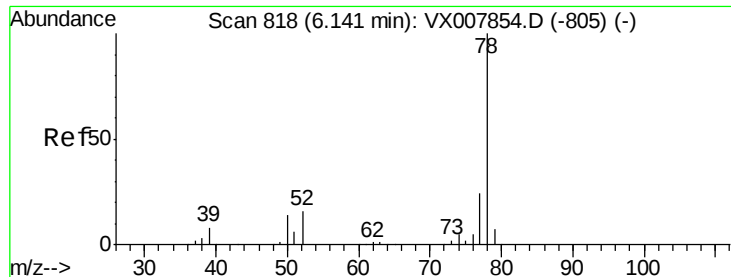


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

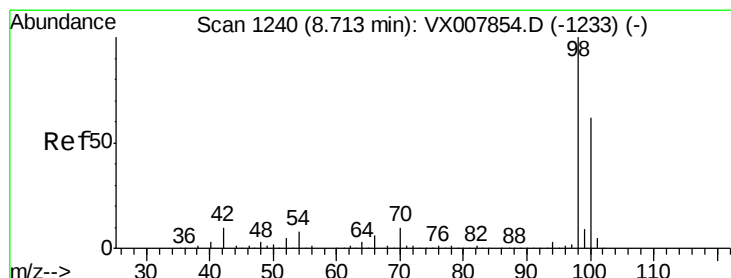
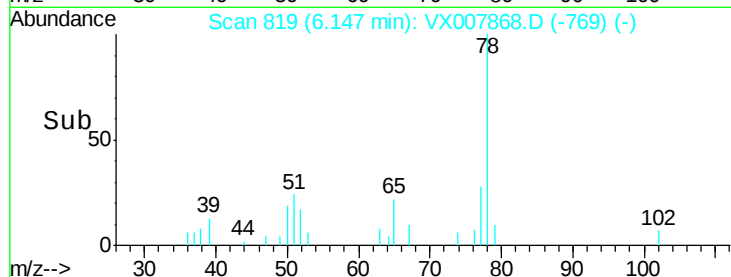
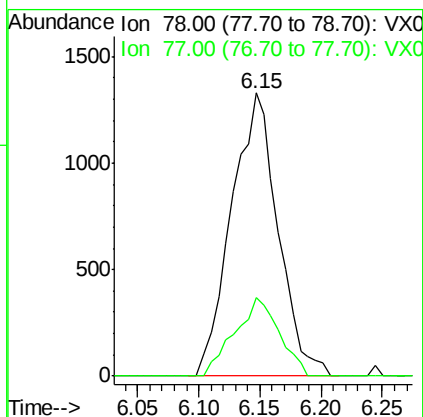
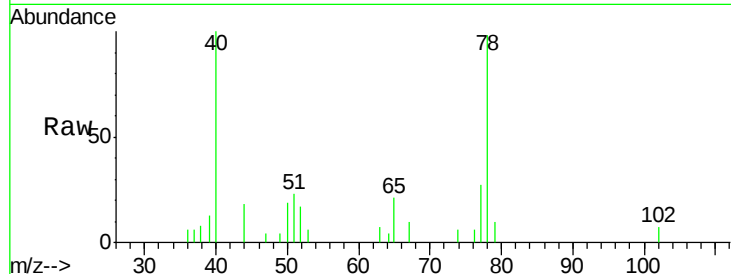




#40
Benzene
Concen: 0.278 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

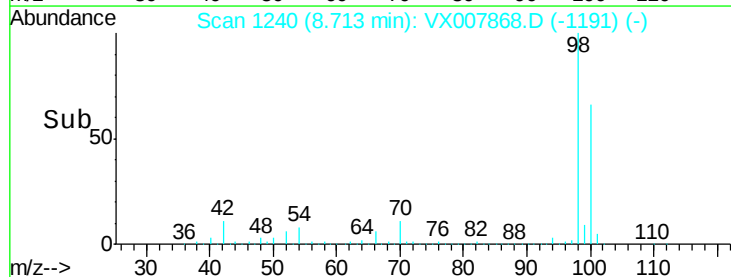
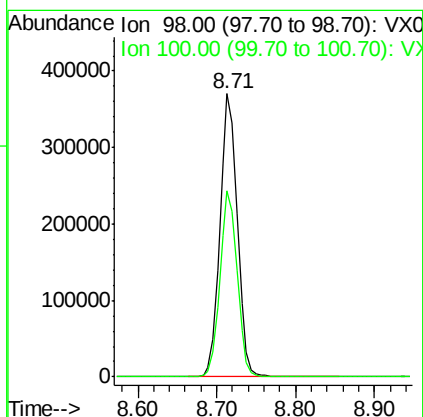
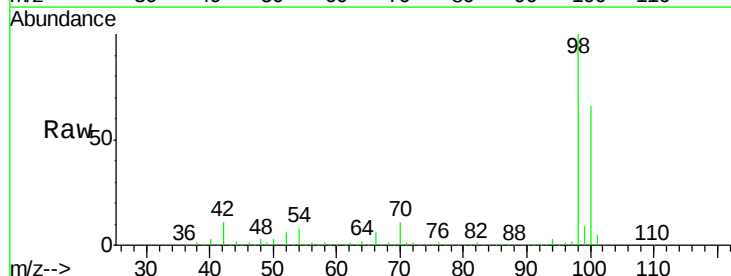
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-560-562

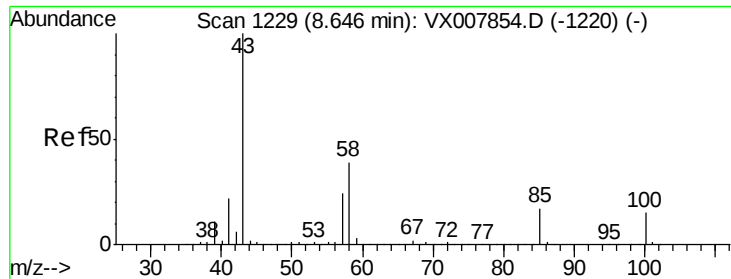
Tgt Ion: 78 Resp: 3514
Ion Ratio Lower Upper
78 100
77 27.6 19.0 28.4



#50
Toluene-d8
Concen: 51.531 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

Tgt Ion: 98 Resp: 568047
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5

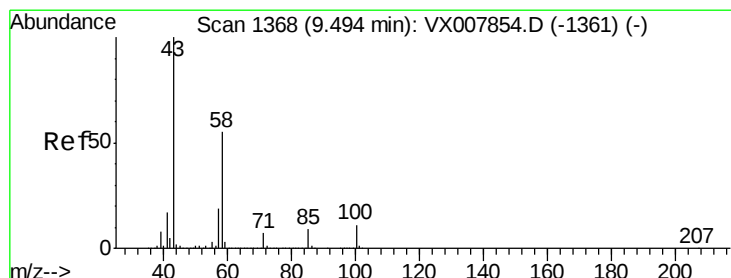
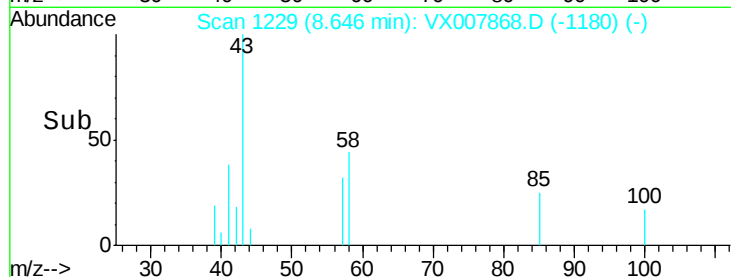
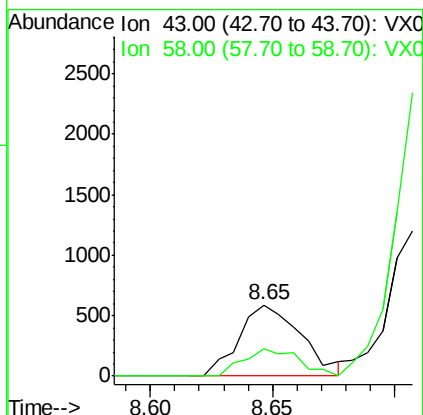
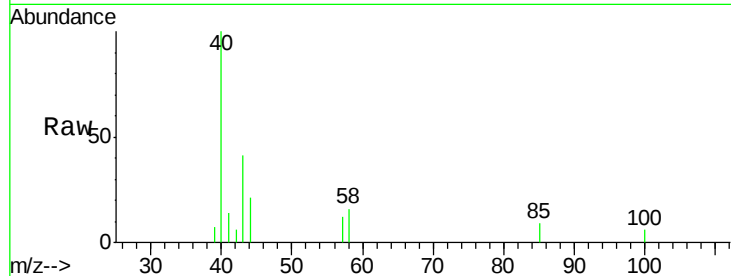




#51
 4-Methyl-2-Pentanone
 Concen: 0.216 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007868.D
 Acq: 06 Mar 2019 18:54

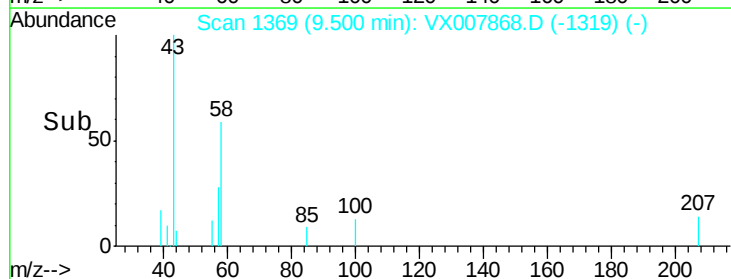
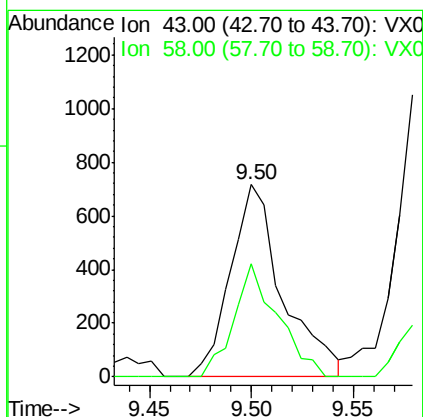
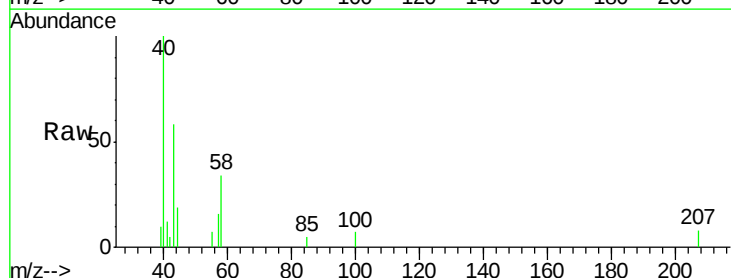
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-560-562

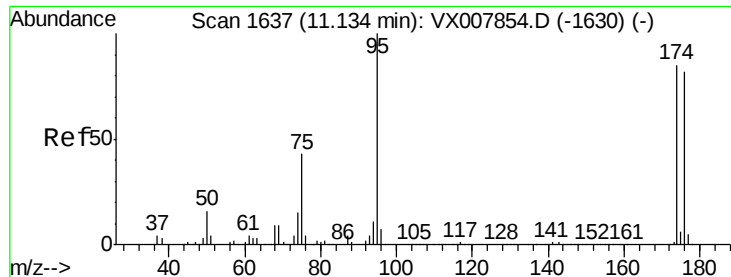
Tgt Ion: 43 Resp: 1038
 Ion Ratio Lower Upper
 43 100
 58 34.5 31.3 46.9



#59
 2-Hexanone
 Concen: 0.342 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VX007868.D
 Acq: 06 Mar 2019 18:54

Tgt Ion: 43 Resp: 1274
 Ion Ratio Lower Upper
 43 100
 58 49.2 27.6 82.7

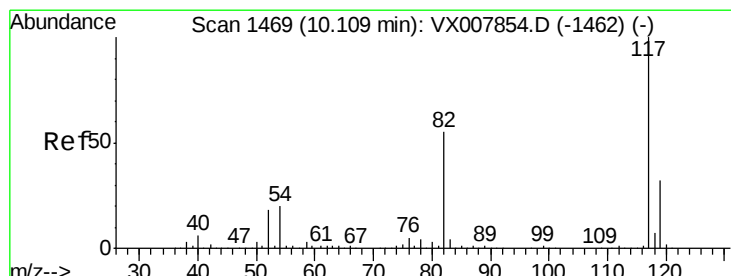
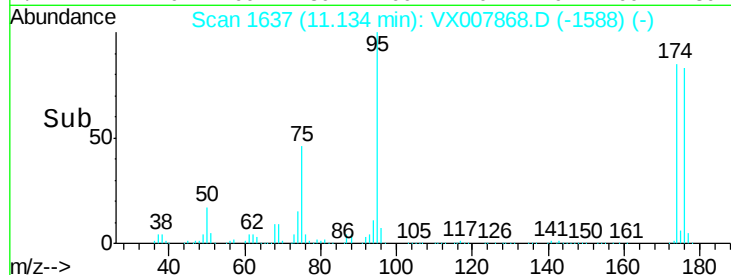
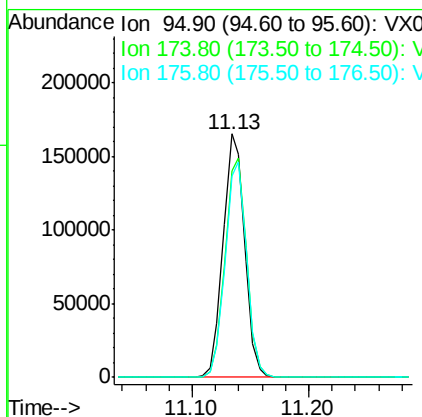
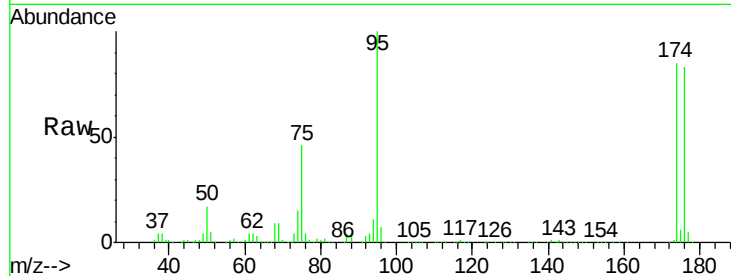




#62
4-Bromofluorobenzene
Concen: 54.467 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

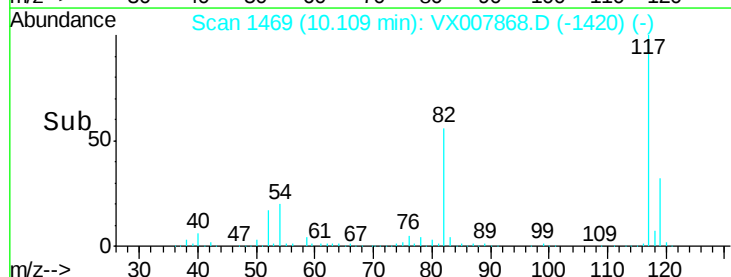
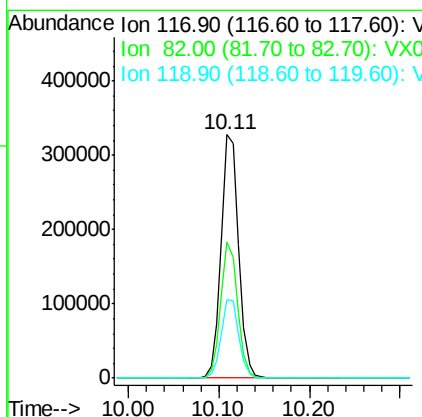
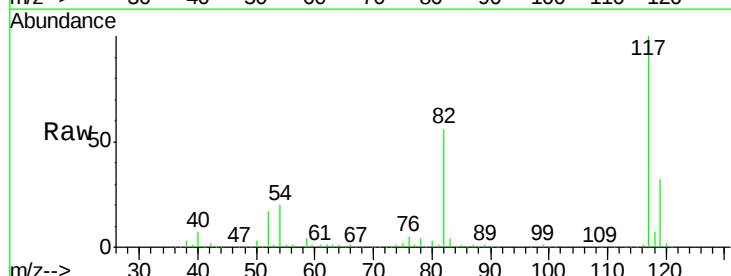
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-560-562

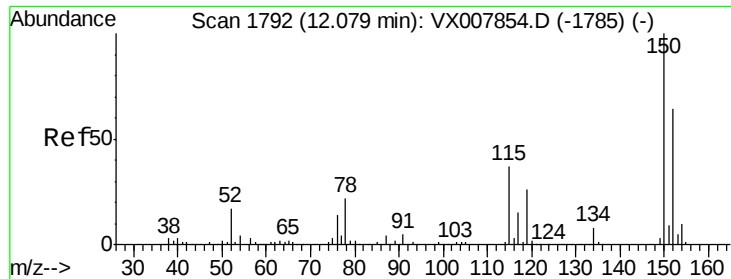
Tgt Ion: 95 Resp: 210505
Ion Ratio Lower Upper
95 100
174 90.9 0.0 182.8
176 88.8 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007868.D
Acq: 06 Mar 2019 18:54

Tgt Ion: 117 Resp: 440856
Ion Ratio Lower Upper
117 100
82 56.2 44.3 66.5
119 32.2 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-560-562

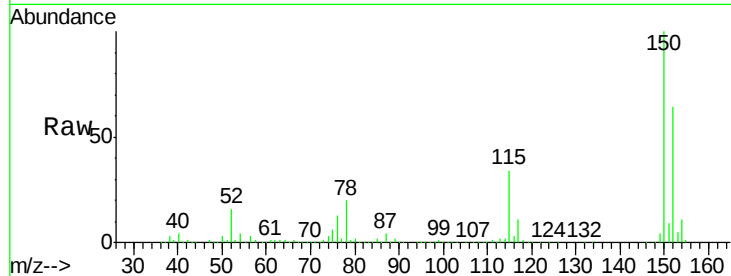
Tgt Ion:152 Resp: 213094

Ion Ratio Lower Upper

152 100

115 55.6 38.6 115.7

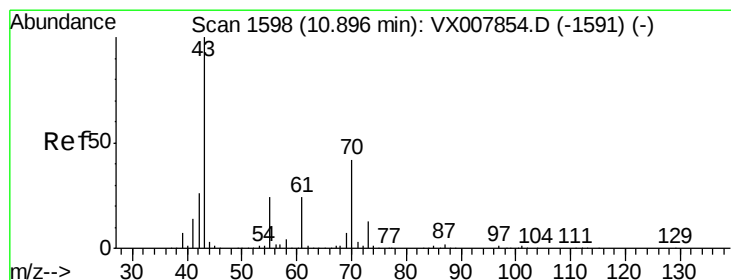
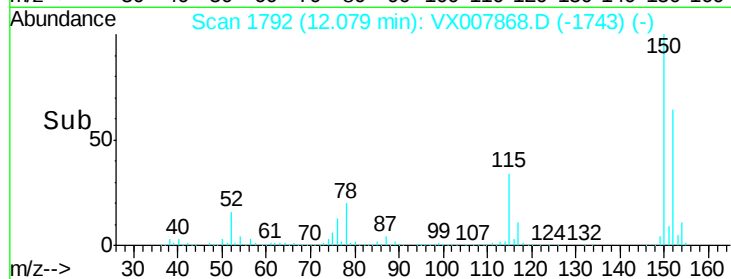
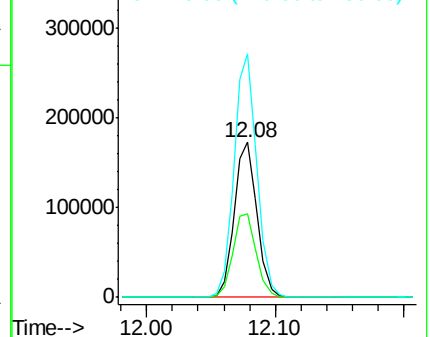
150 157.4 0.0 348.4



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



#74

N-ethyl acetate

Concen: 0.234 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX007868.D

Acq: 06 Mar 2019 18:54

Tgt Ion: 43 Resp: 1542

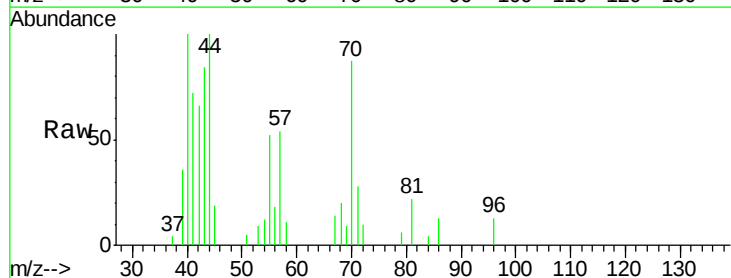
Ion Ratio Lower Upper

43 100

70 120.4 33.5 50.3#

55 99.7 19.2 28.8#

61 0.0 19.0 28.6#

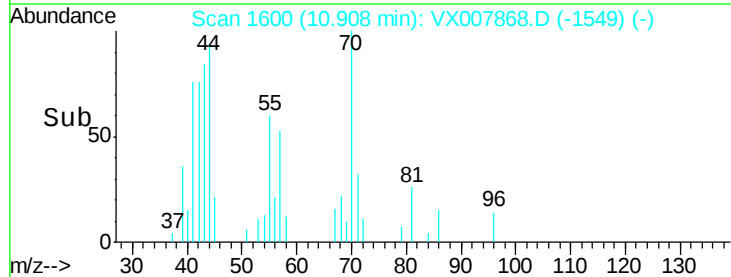
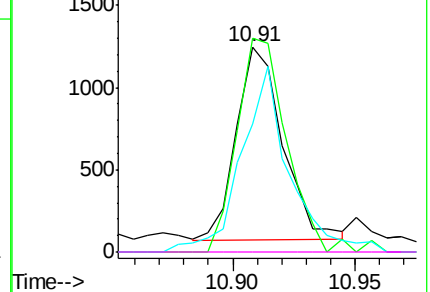


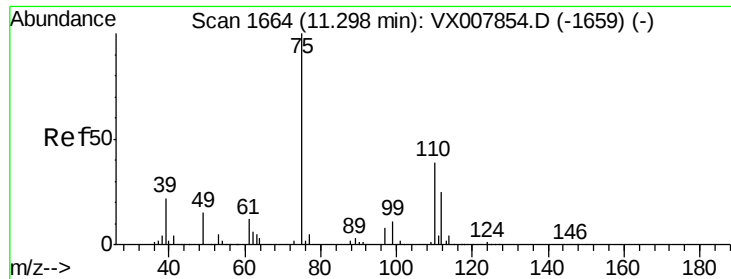
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

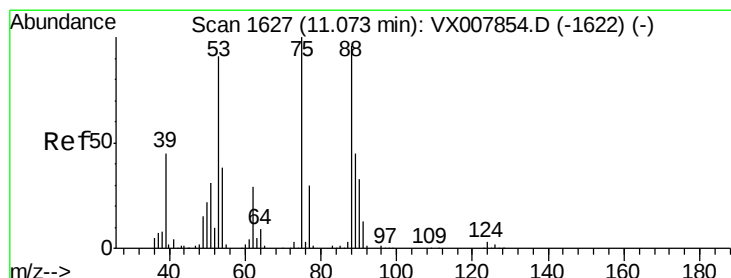
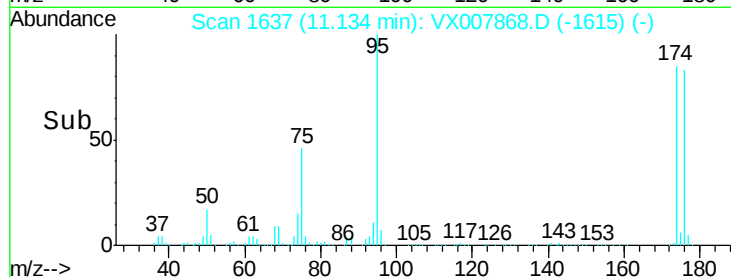
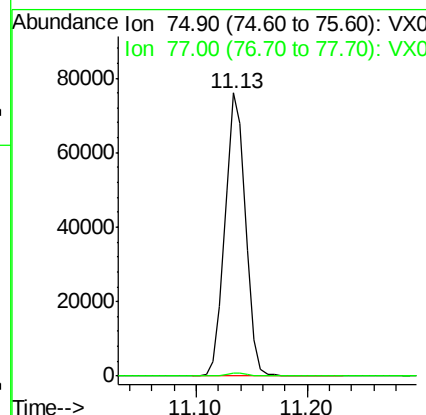
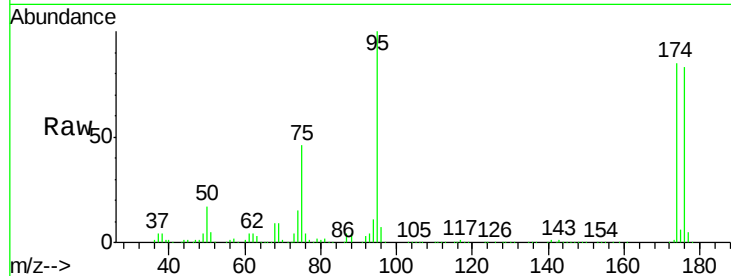




#76
 1,2,3-Trichloropropane
 Concen: 21.617 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007868.D
 Acq: 06 Mar 2019 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-560-562

Tgt Ion: 75 Resp: 96664
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.100 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007868.D
 Acq: 06 Mar 2019 18:54

Tgt Ion: 75 Resp: 96664
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

