

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009537.D
 Acq On : 13 May 2019 12:48
 Operator : JC/SP
 Sample : K2834-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-EB-20190509

Quant Time: May 14 03:43:07 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	194781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126395	47.53	ug/l	0.00
Spiked Amount						
			Recovery	=	95.06%	
35) Dibromofluoromethane	5.49	113	95177	48.57	ug/l	0.00
Spiked Amount						
			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	390431	49.35	ug/l	0.00
Spiked Amount						
			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	130142	45.28	ug/l	0.00
Spiked Amount						
			Recovery	=	90.56%	

Target Compounds

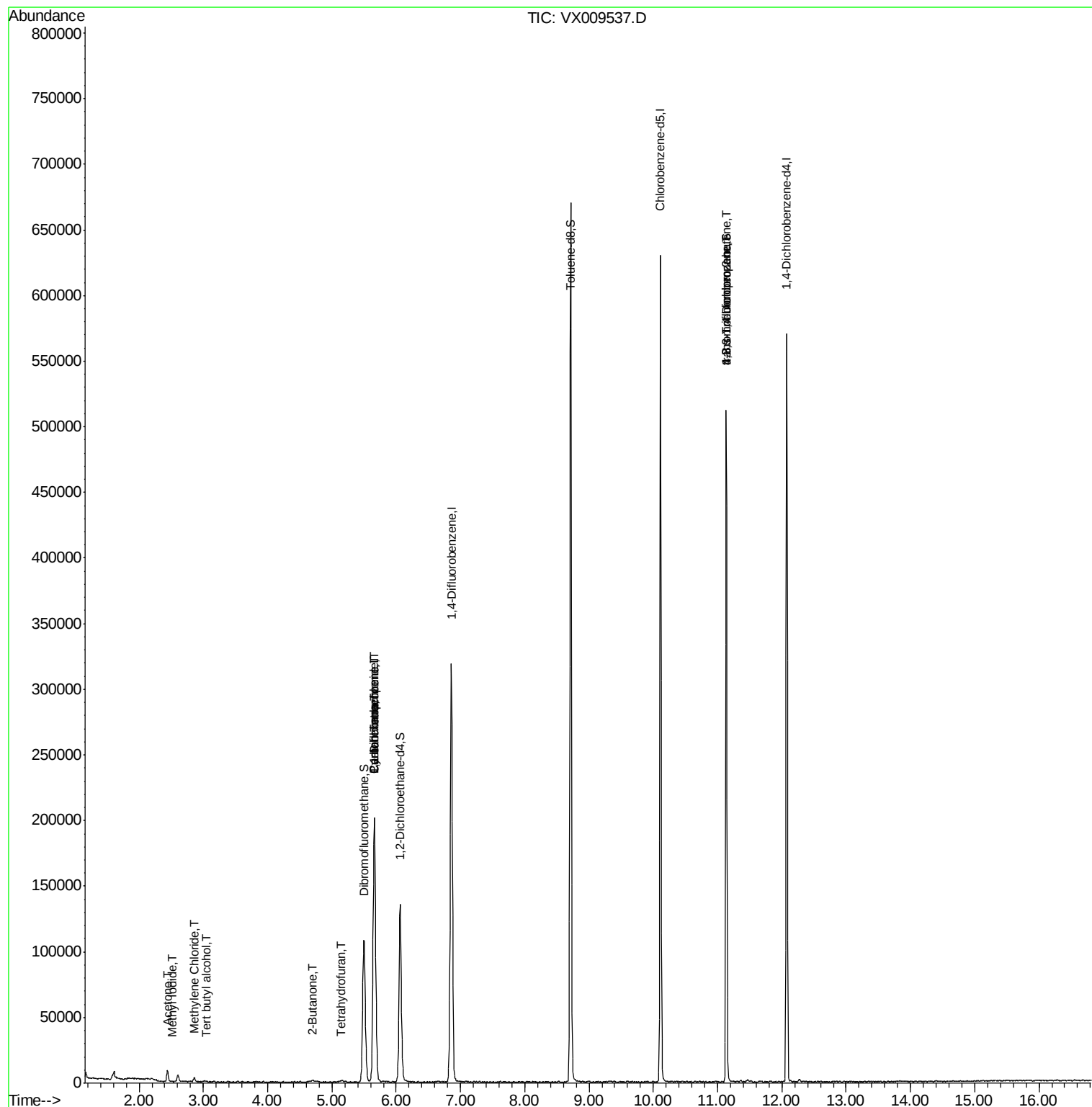
						Qvalue
10) Methyl Iodide	2.52	142	270	4.710	ug/l #	67
11) Tert butyl alcohol	3.06	59	138	0.224	ug/l #	73
16) Acetone	2.44	43	9461	6.626	ug/l	91
20) Methylene Chloride	2.86	84	1120	0.484	ug/l #	84
25) 2-Butanone	4.70	43	1248	0.562	ug/l #	84
28) Bromochloromethane	5.03	49	77	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	740	0.518	ug/l #	78
31) Cyclohexane	5.66	56	4345	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14675	5.066	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18314	6.959	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	66629	24.064	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66629	61.572	ug/l #	10

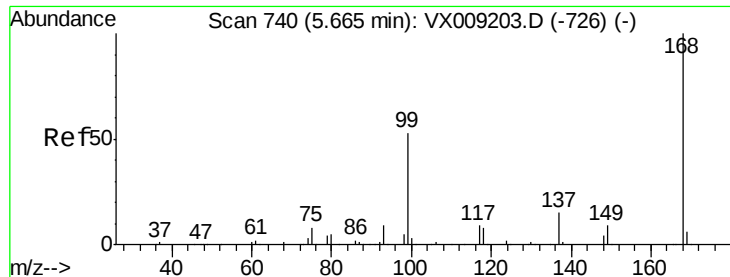
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 03:43:07 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: VX009537.D

Acq: 13 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

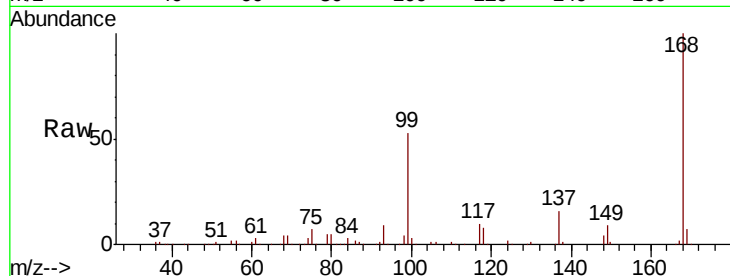
BP-VPB202-EB-20190509

Tot Ion:168 Resp: 194781

Ion Ratio Lower Upper

168 100

99 53.2 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

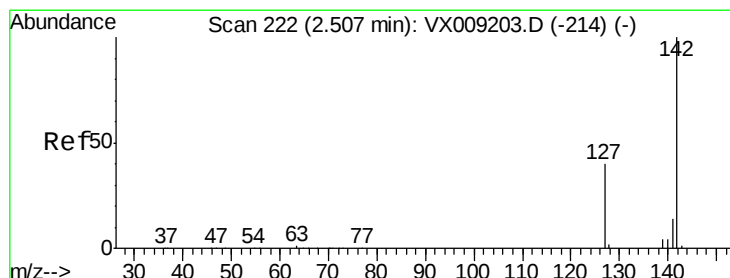
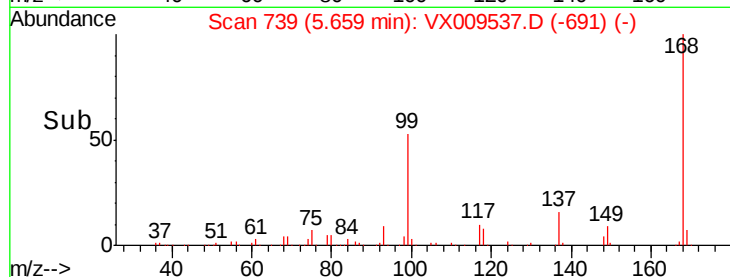
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.710 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

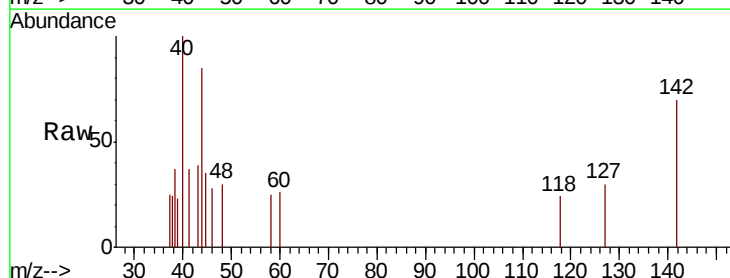
Tgt Ion:142 Resp: 270

Ion Ratio Lower Upper

142 100

127 21.1 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

200

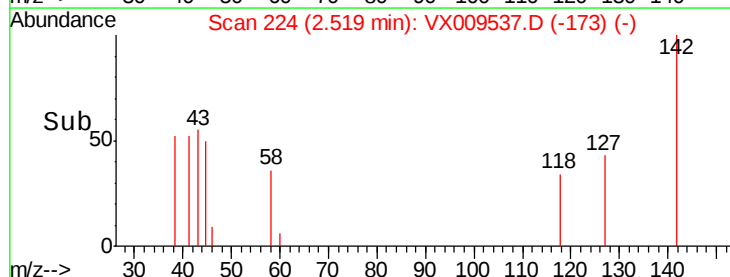
150

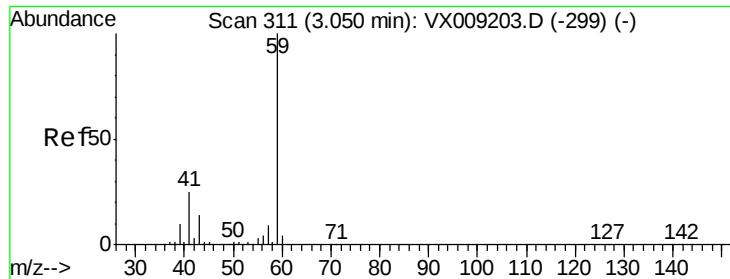
100

50

0

Time--> 2.45 2.50 2.55



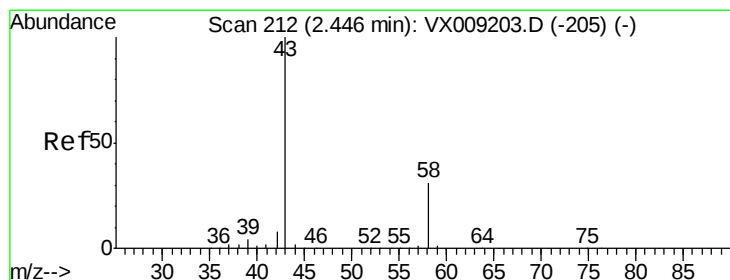
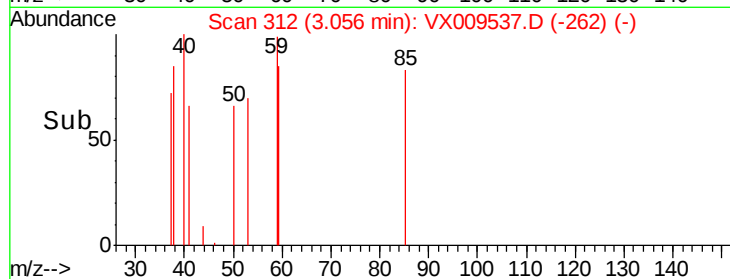
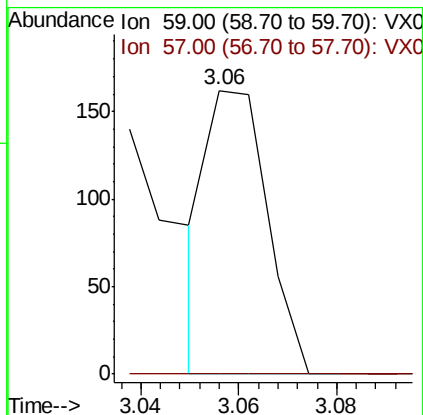
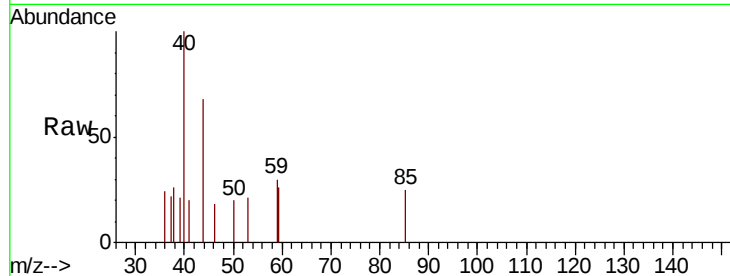


#11

Tert butyl alcohol
Concen: 0.224 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

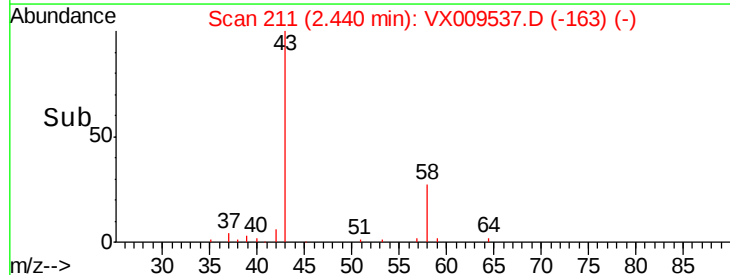
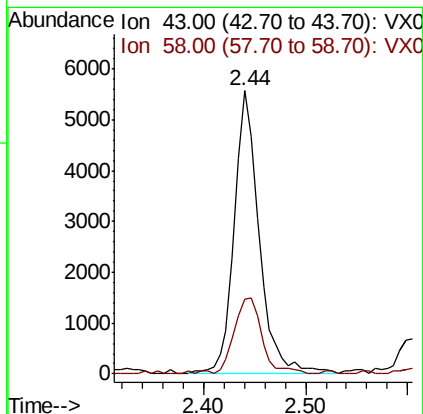
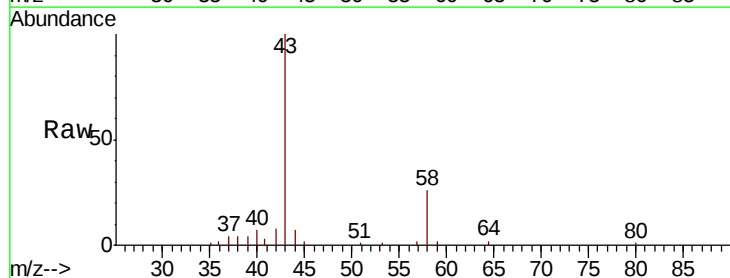
Tot Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

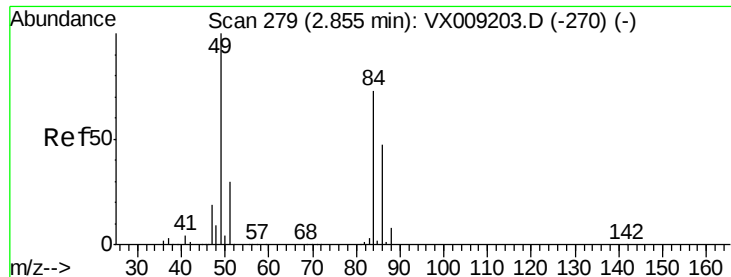


#16

Acetone
Concen: 6.626 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

Tgt Ion: 43 Resp: 9461
Ion Ratio Lower Upper
43 100
58 26.3 24.9 37.3





#20

Methvlene Chloride

Concen: 0.484 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-EB-20190509

Tot Ion: 84 Resp: 1120

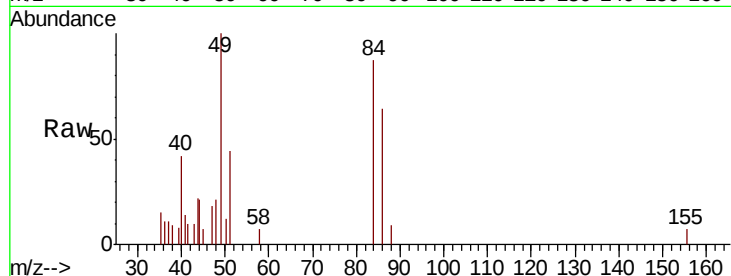
Ion Ratio Lower Upper

84 100

49 114.5 109.9 164.9

51 50.2 32.7 49.1#

86 73.4 52.0 78.0

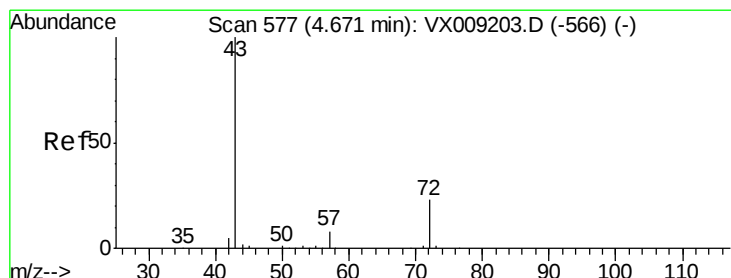
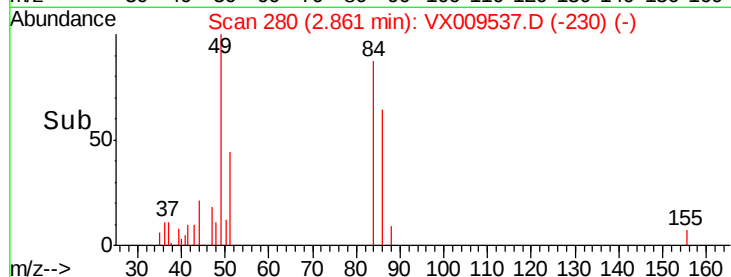
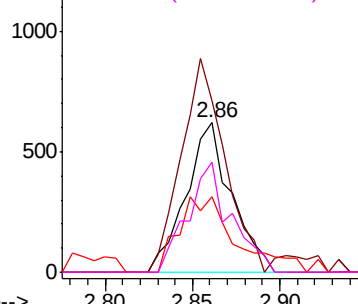


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.562 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009537.D

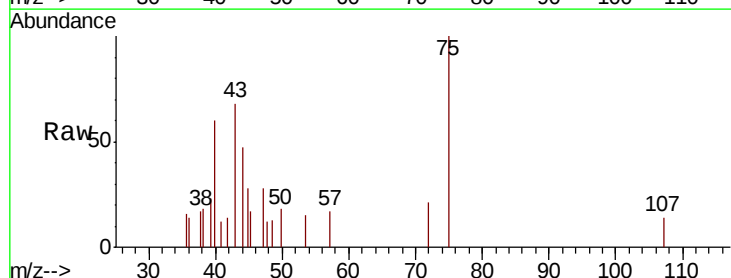
Acq: 13 May 2019 12:48

Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

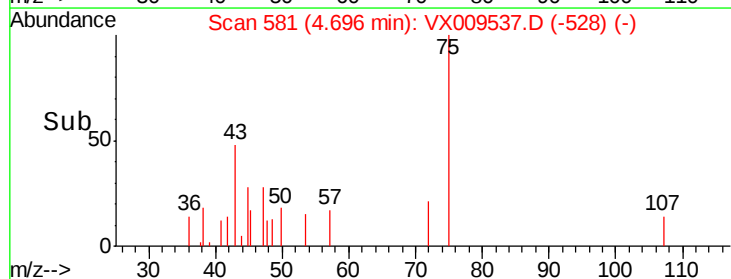
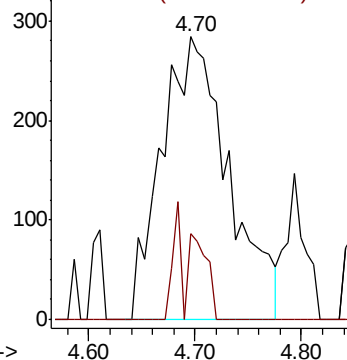
43 100

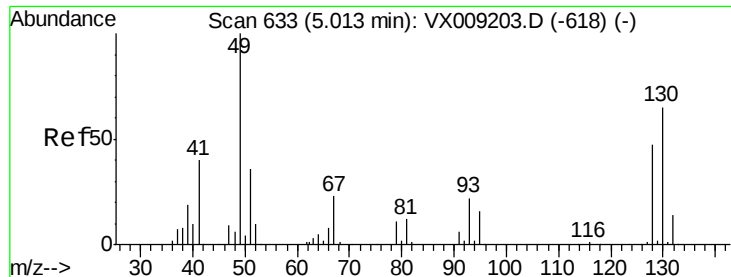
72 30.3 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-EB-20190509

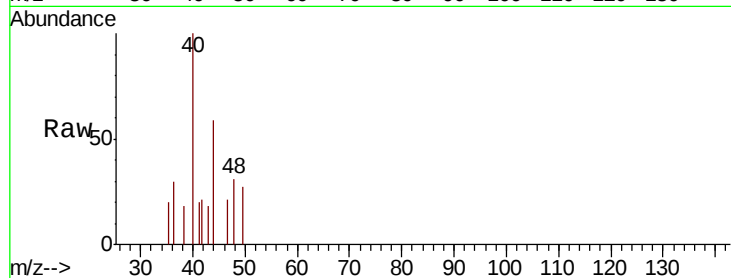
Tot Ion: 49 Resp: 77

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

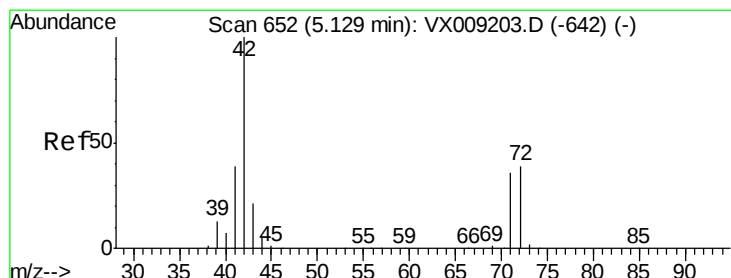
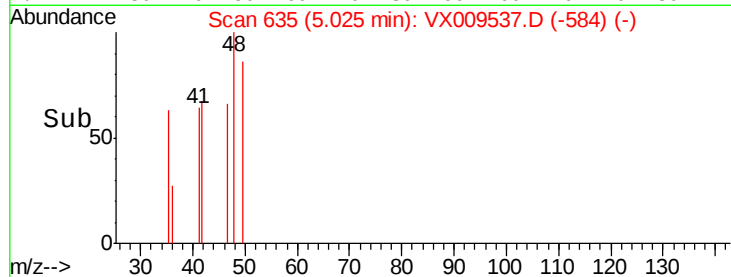
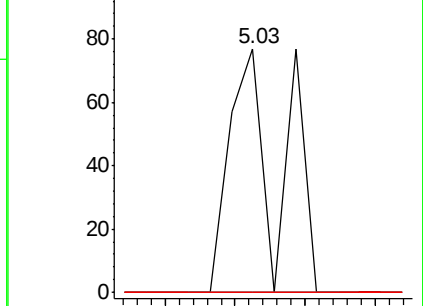
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.518 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

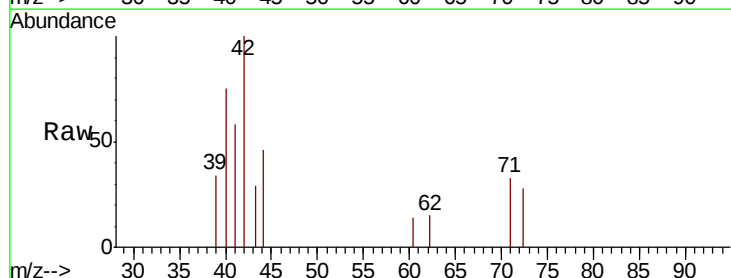
Tgt Ion: 42 Resp: 740

Ion Ratio Lower Upper

42 100

72 25.5 30.4 45.6#

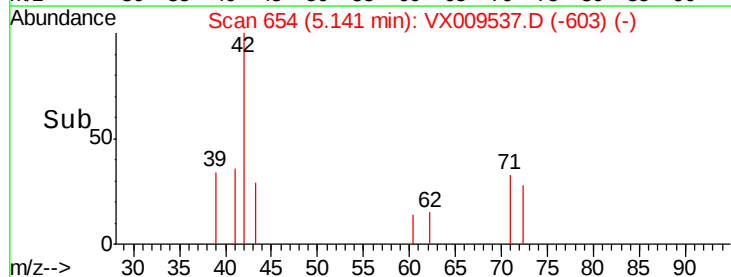
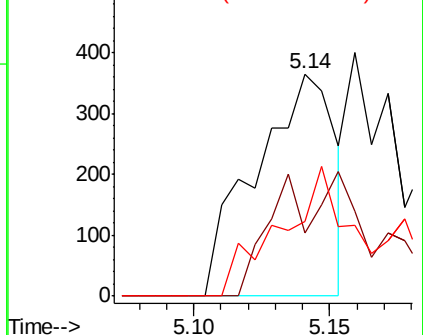
71 49.9 28.6 43.0#

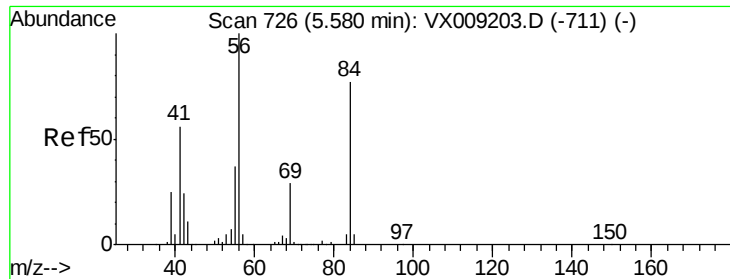


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

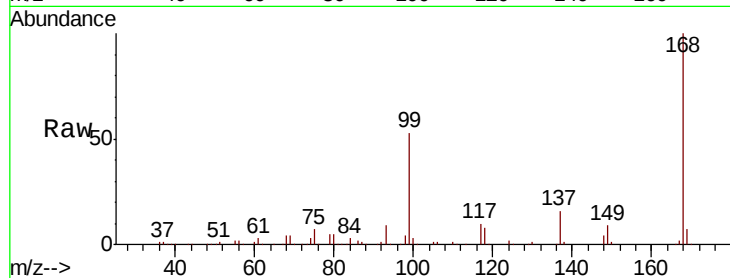




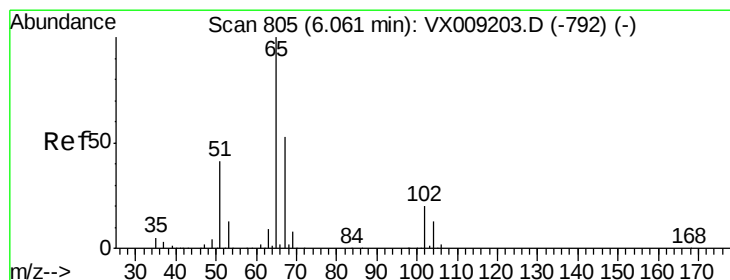
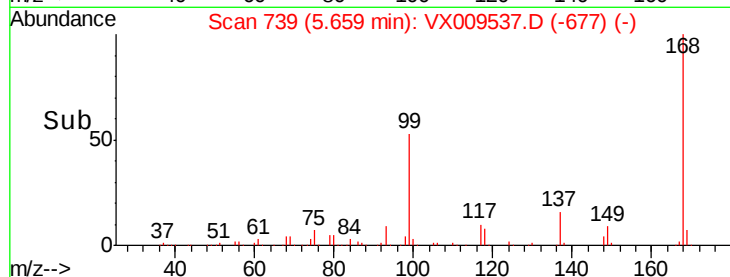
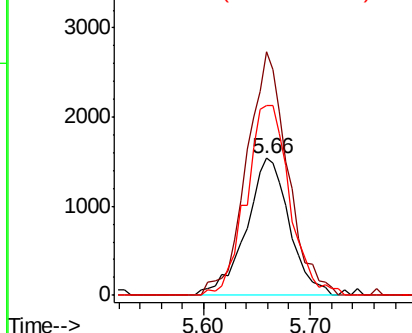
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

Tot Ion	Ratio	Lower	Upper
56	100		
69	177.6	23.4	35.0#
84	138.9	61.9	92.9#

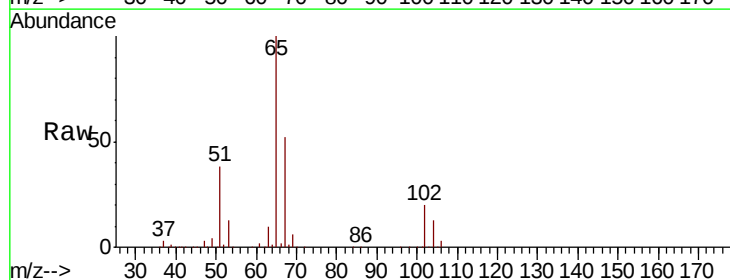


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

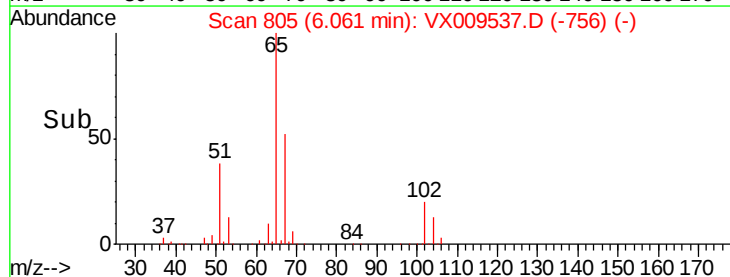
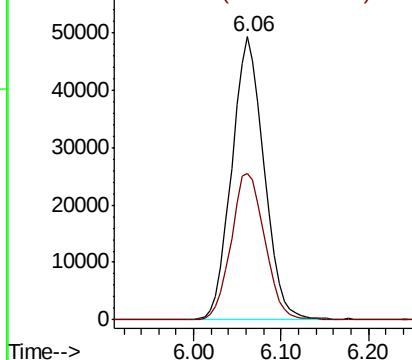


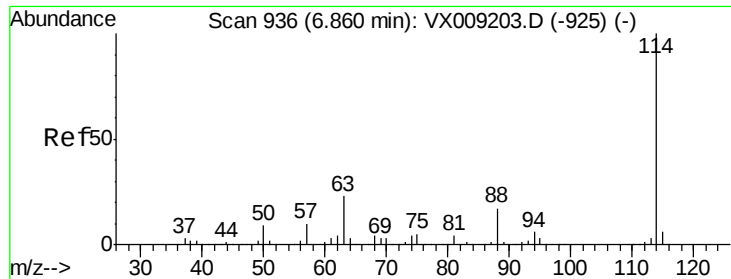
#33
1,2-Dichloroethane-d4
Concen: 47.535 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

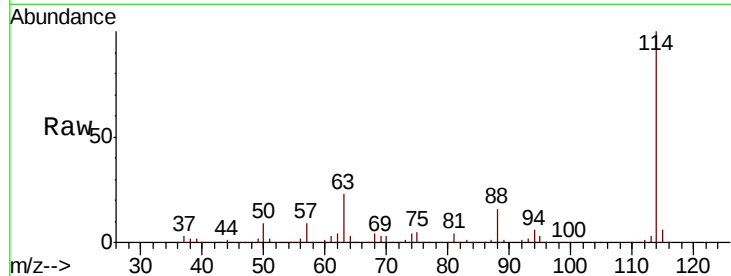




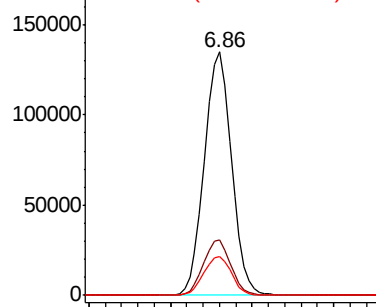
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

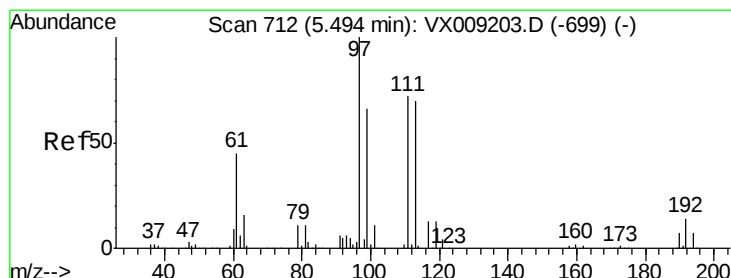
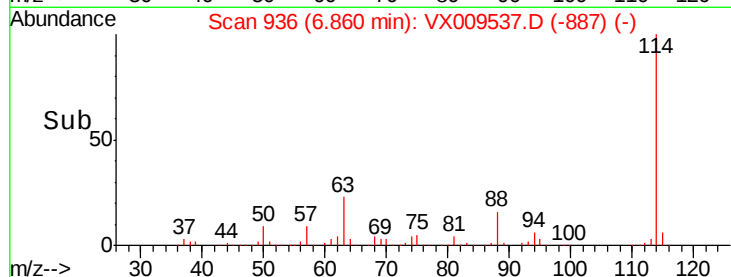
Tot Ion:114 Resp: 311694
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.6
88 16.1 0.0 33.2



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

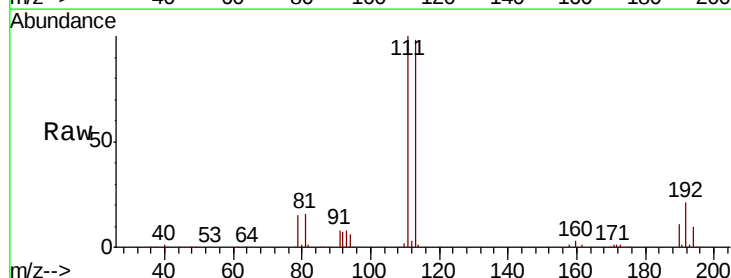


Time--> 6.70 6.80 6.90 7.00

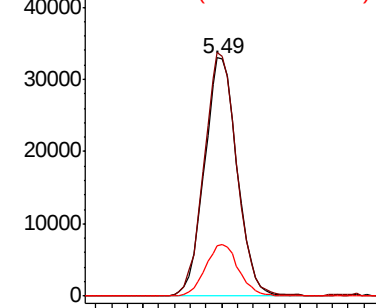


#35
Dibromofluoromethane
Concen: 48.574 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

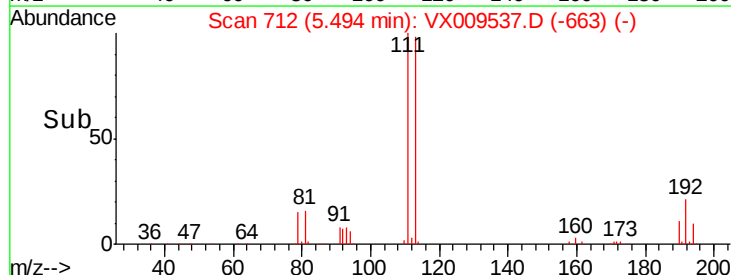
Tgt Ion:113 Resp: 95177
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 21.9 17.0 25.6

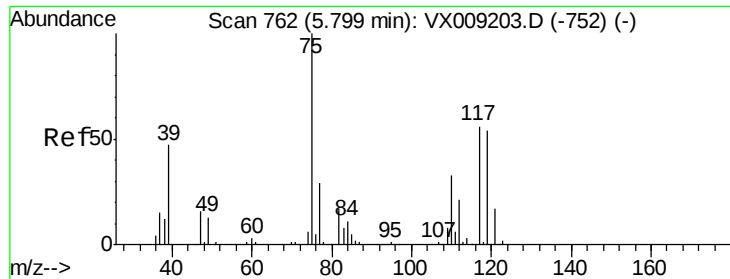


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time--> 5.40 5.50 5.60





#36

1,1-Dichloropropene

Concen: 5.066 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-EB-20190509

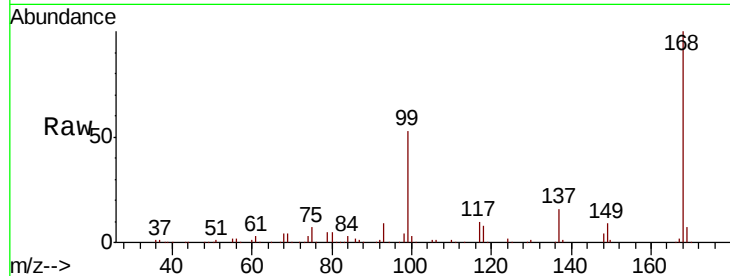
Tot Ion: 75 Resp: 14675

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

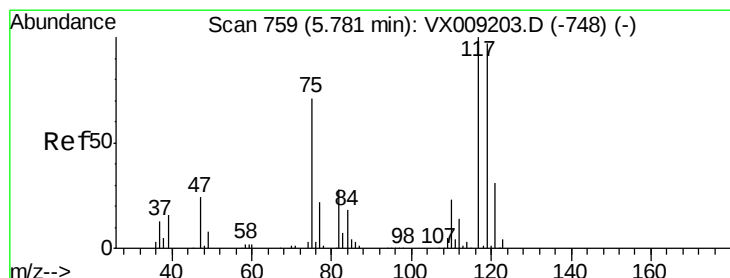
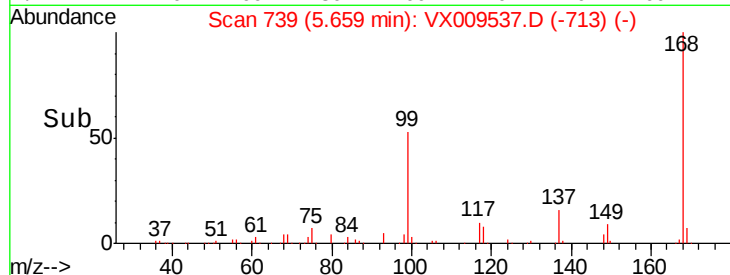
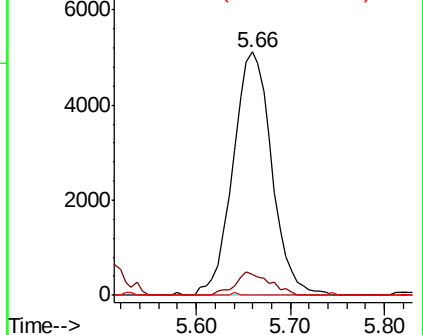
77 0.1 24.8 37.2#



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: 6.959 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

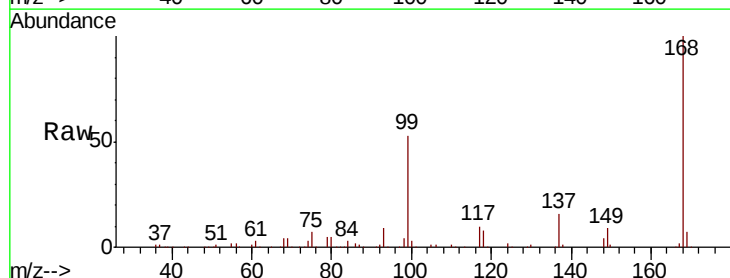
Tgt Ion:117 Resp: 18314

Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

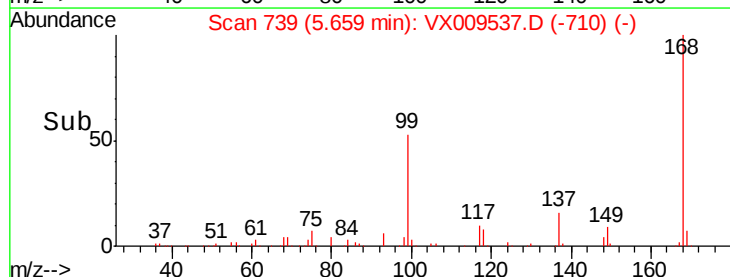
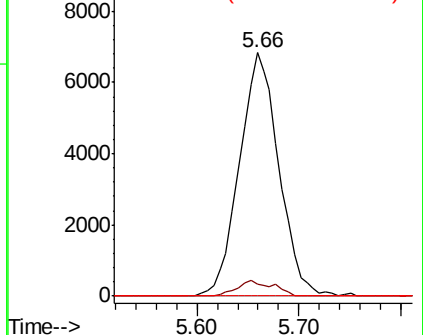
121 0.0 24.7 37.1#

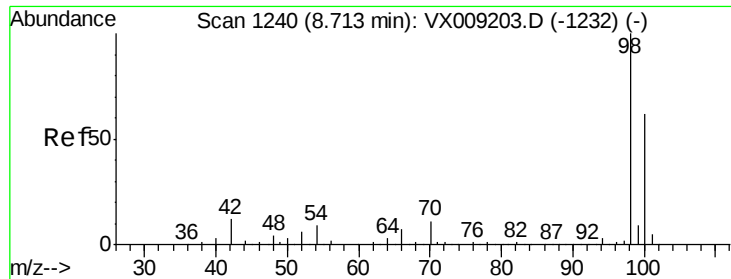


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.355 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

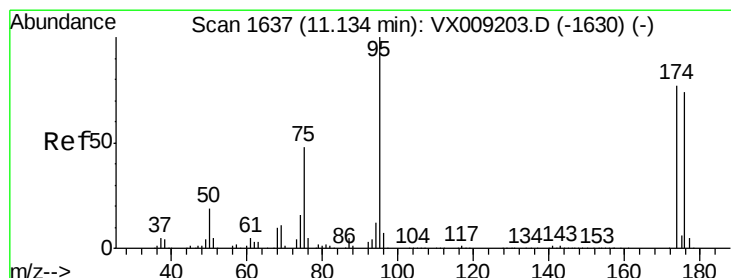
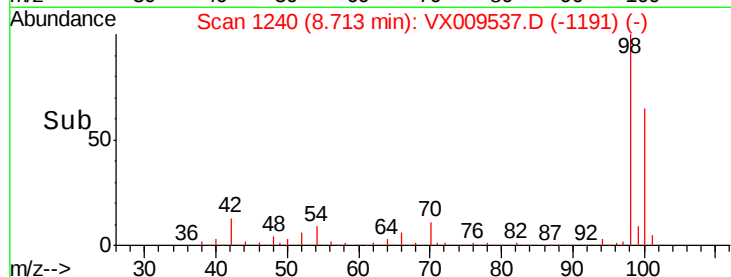
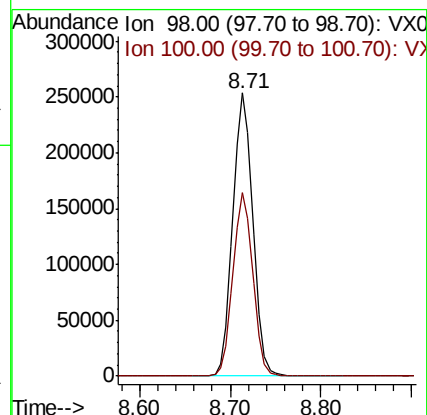
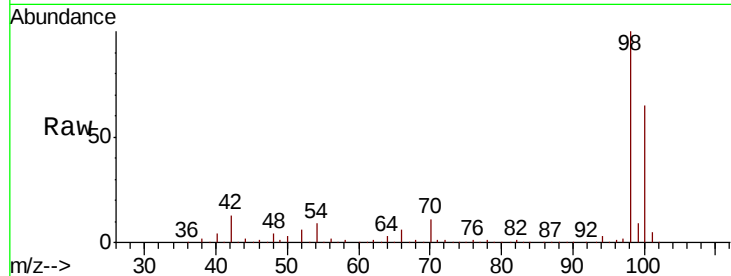
BP-VPB202-EB-20190509

Tot Ion: 98 Resp: 390431

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 45.275 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

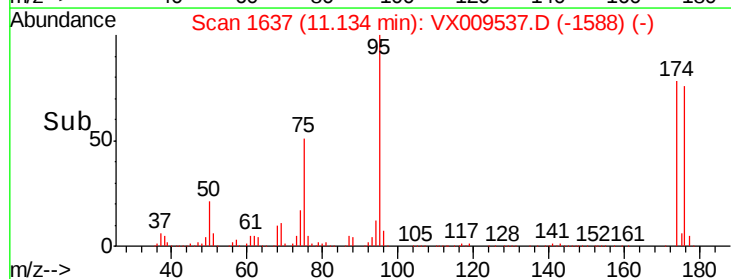
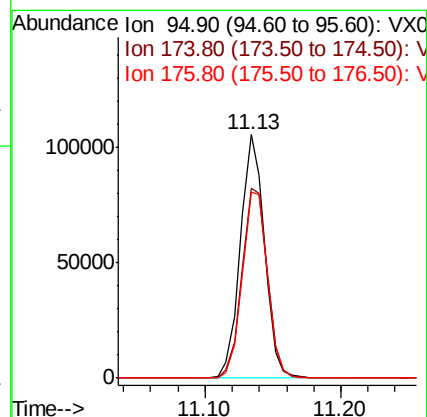
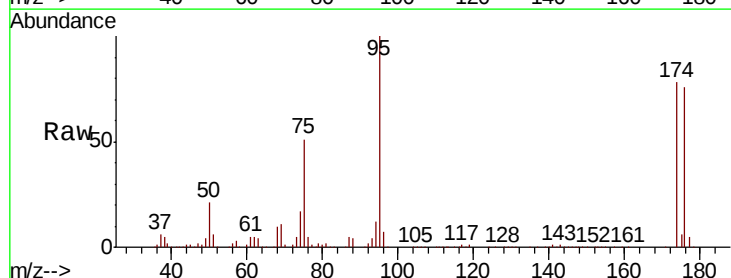
Tgt Ion: 95 Resp: 130142

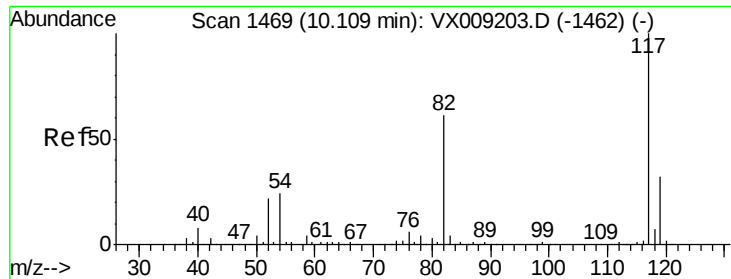
Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 80.5 0.0 159.2

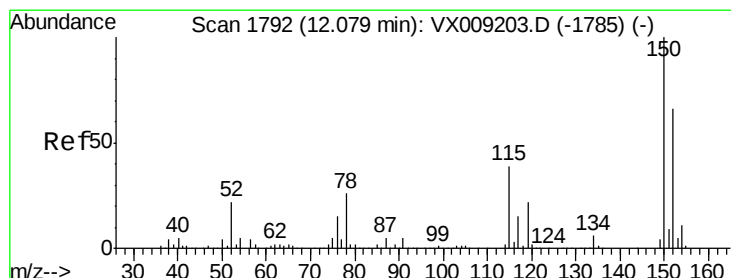
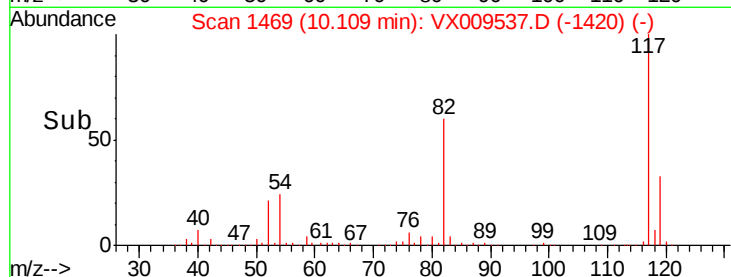
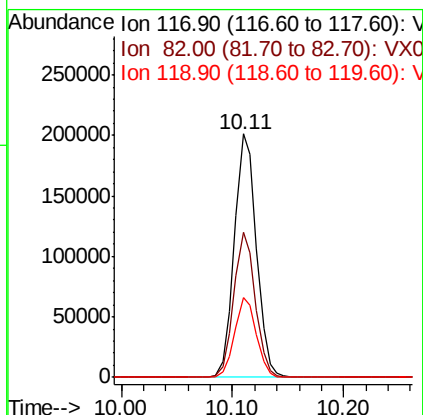
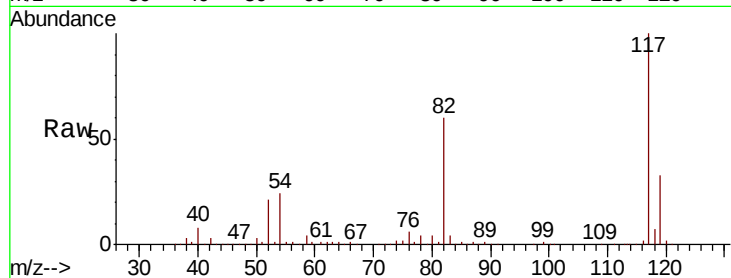




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

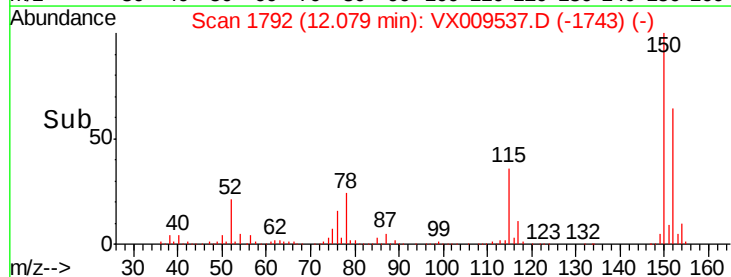
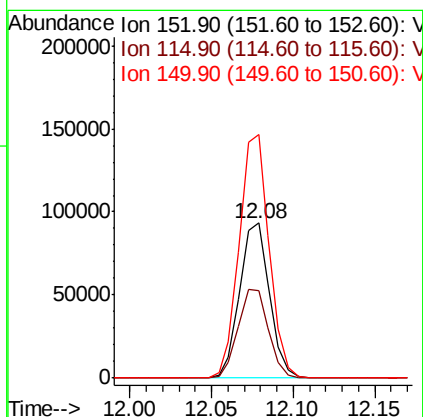
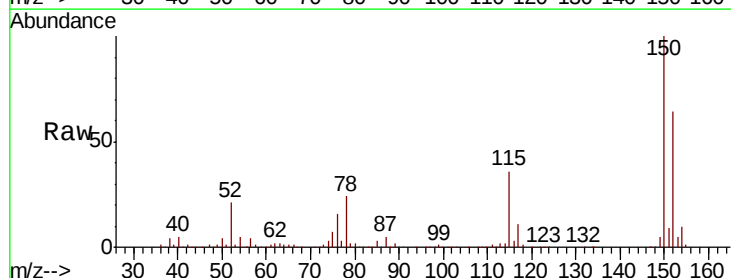
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-EB-20190509

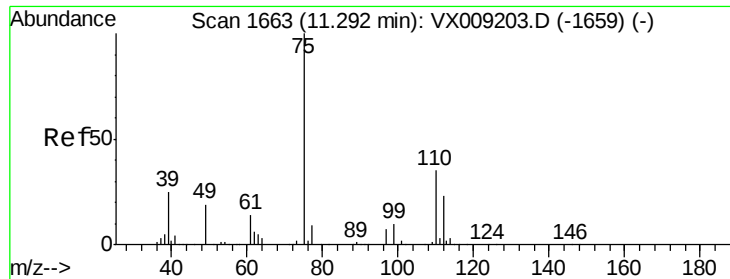
Tot Ion:117 Resp: 275632
Ion Ratio Lower Upper
117 100
82 59.7 48.8 73.2
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009537.D
Acq: 13 May 2019 12:48

Tgt Ion:152 Resp: 119363
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 157.4 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.064 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

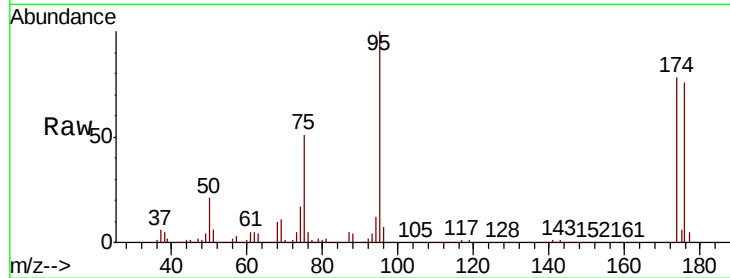
BP-VPB202-EB-20190509

Tot Ion: 75 Resp: 66629

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

50000

40000

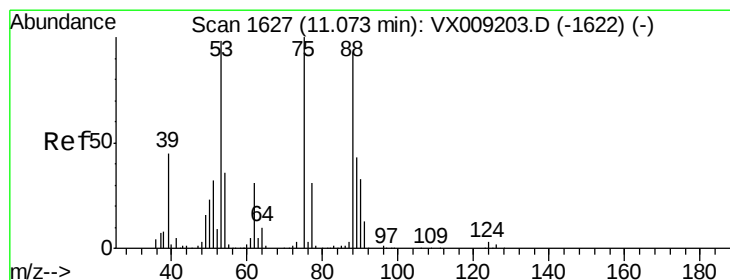
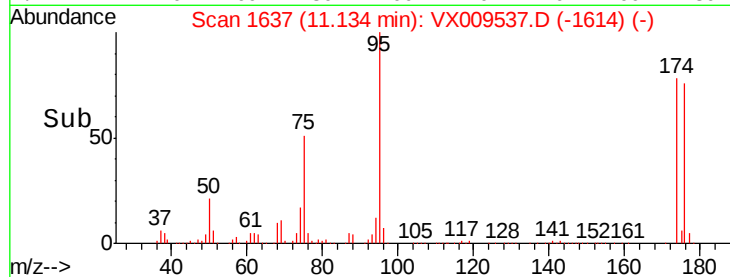
30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 61.572 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009537.D

Acq: 13 May 2019 12:48

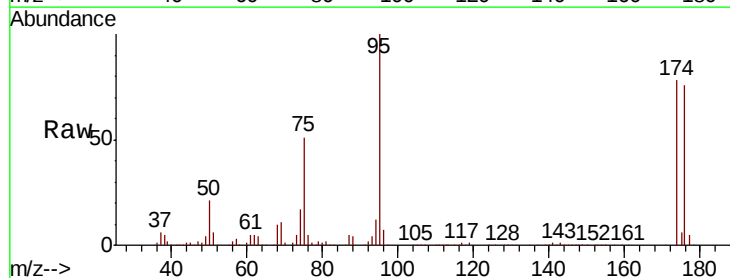
Tgt Ion: 75 Resp: 66629

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20

