

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009747.D
 Acq On : 21 May 2019 15:00
 Operator : JC/SP
 Sample : K2974-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-TB-20190520

Quant Time: May 22 07:04:39 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	174716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110559	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	118430	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	5.50	113	85532	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	8.71	98	357395	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.13	95	118396	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

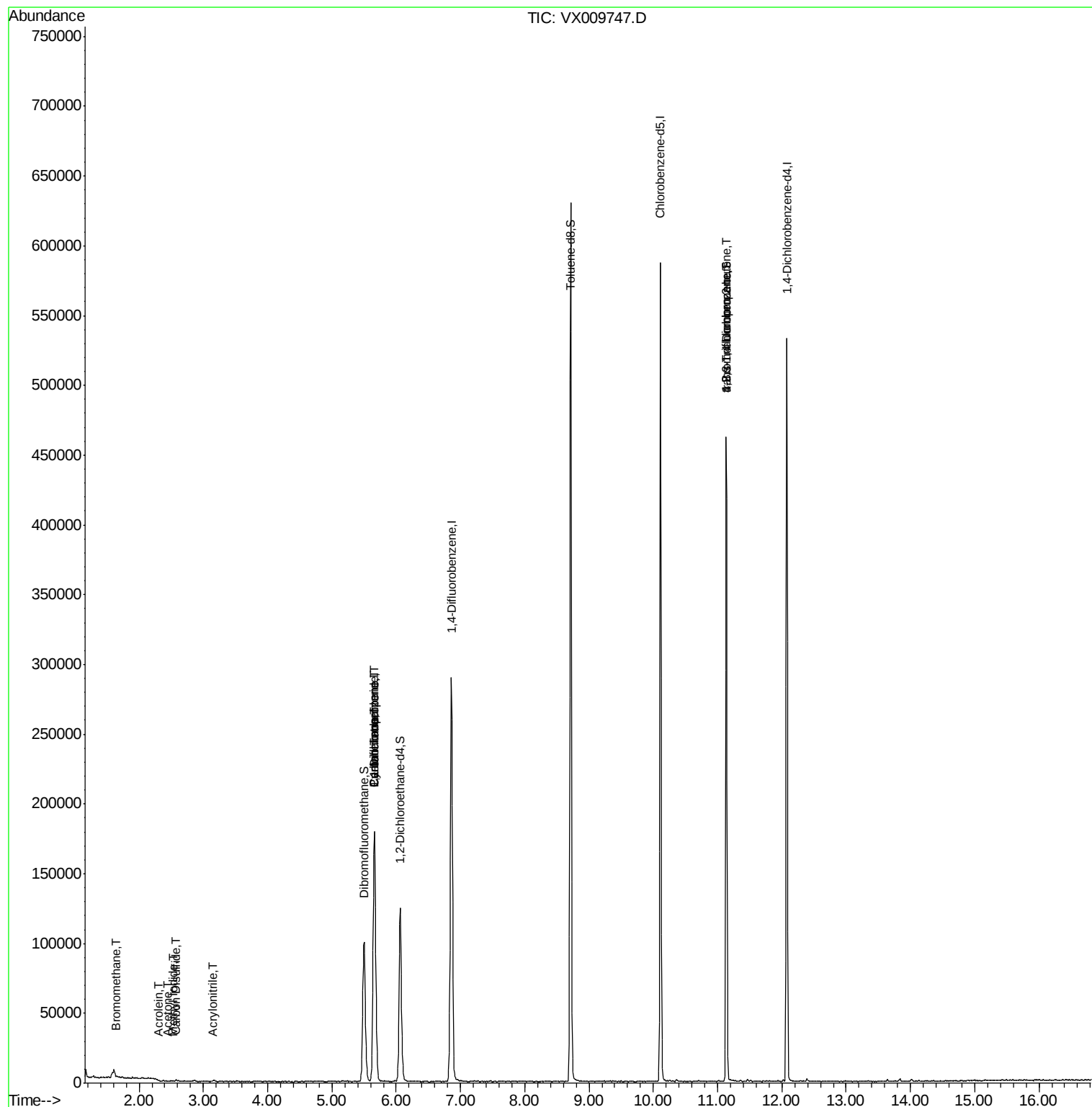
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	336	0.261	ug/l	90
10) Methyl Iodide	2.53	142	383	4.777	ug/l #	93
13) Acrolein	2.30	56	311	0.622	ug/l	84
15) Acrylonitrile	3.14	53	564	0.418	ug/l #	78
16) Acetone	2.44	43	572	0.447	ug/l #	54
17) Carbon Disulfide	2.57	76	1019	0.221	ug/l #	76
28) Bromochloromethane	4.99	49	86	Below Cal	#	20
31) Cyclohexane	5.65	56	4072	1.155	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	13940	5.343	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16075	6.782	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	62243	24.270	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62243	62.099	ug/l #	10

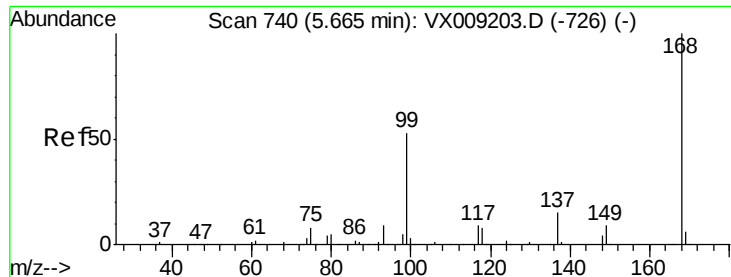
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009747.D

Acq: 21 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

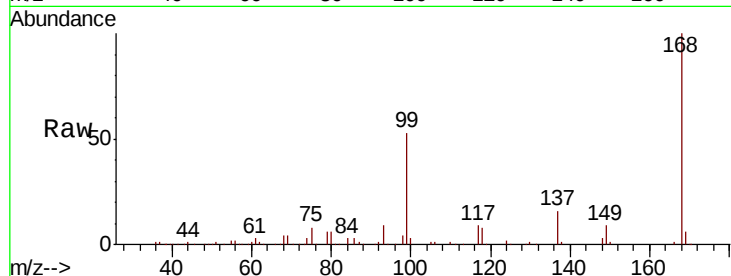
BP-VPB202-TB-20190520

Tot Ion:168 Resp: 174716

Ion Ratio Lower Upper

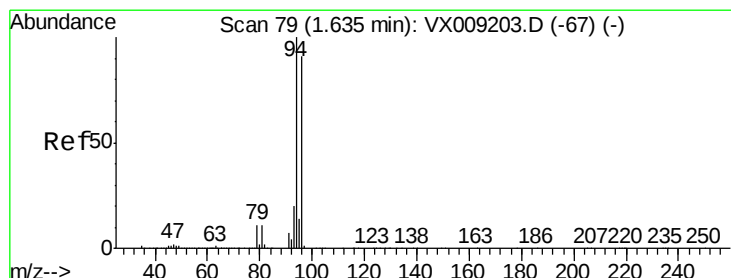
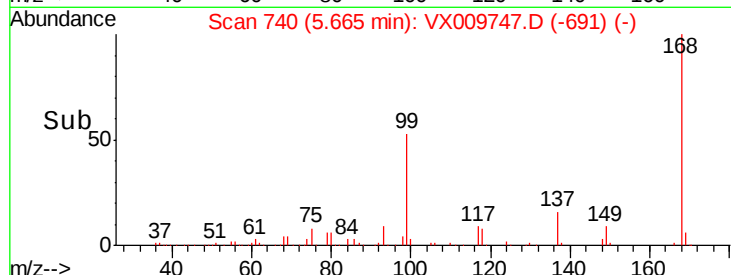
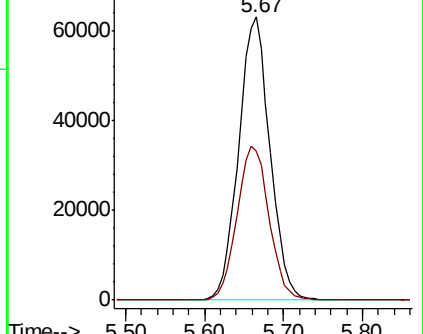
168 100

99 52.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.261 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009747.D

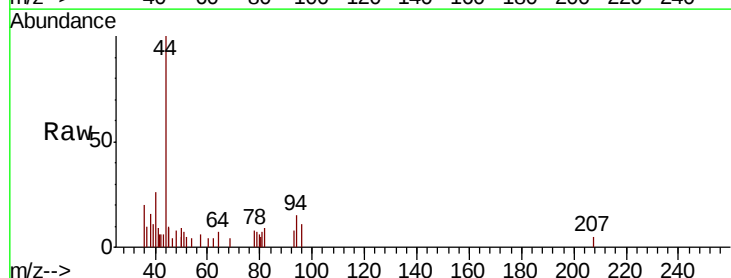
Acq: 21 May 2019 15:00

Tgt Ion: 94 Resp: 336

Ion Ratio Lower Upper

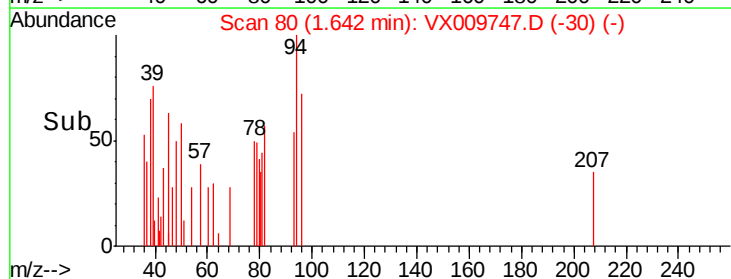
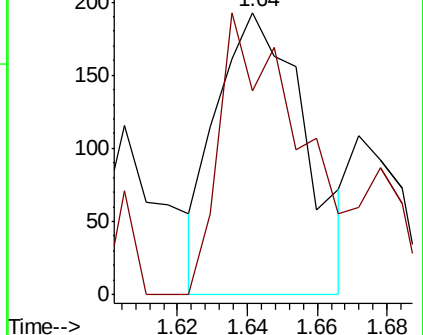
94 100

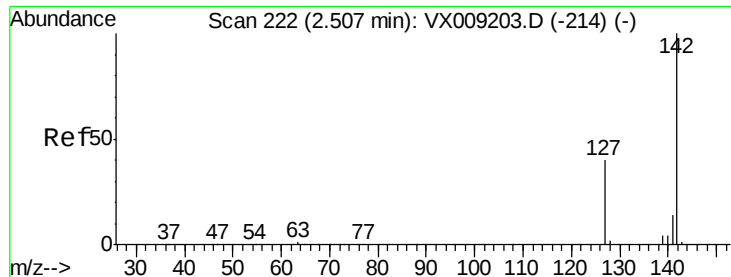
96 100.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

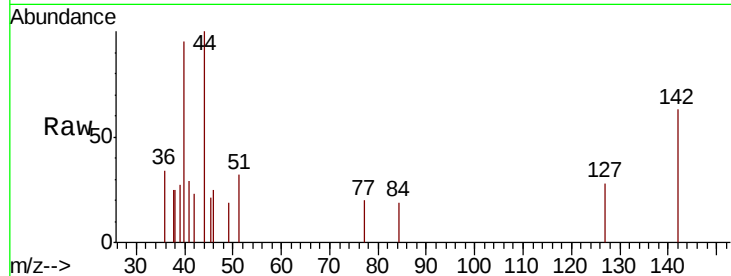




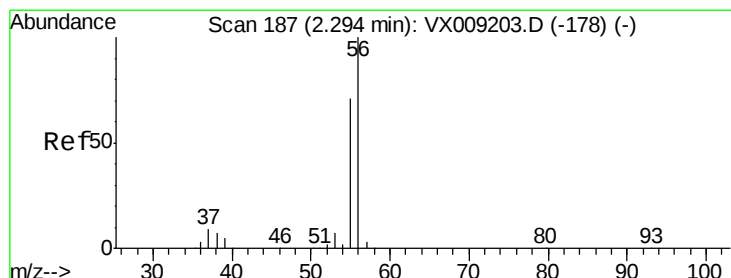
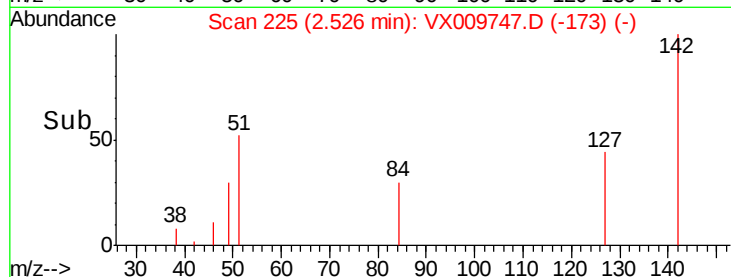
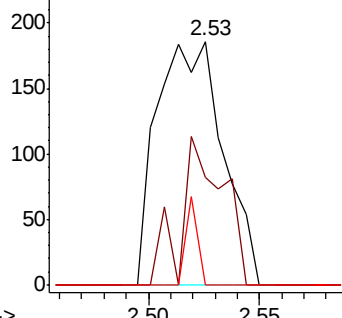
#10
Methvl Iodide
Concen: 4.777 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009747.D
Acq: 21 May 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-TB-20190520

Tot Ion:142 Resp: 383
Ion Ratio Lower Upper
142 100
127 39.2 32.7 49.1
141 6.5 11.5 17.3#

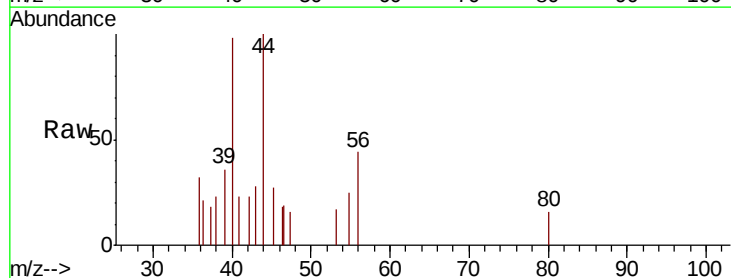


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

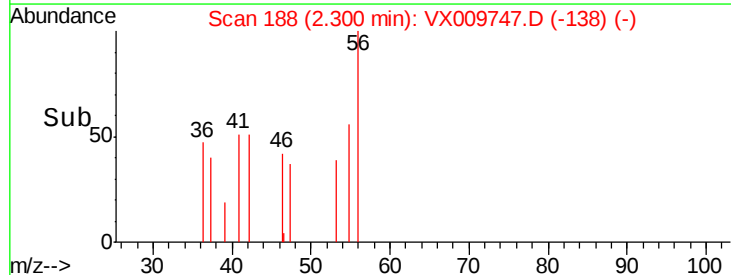
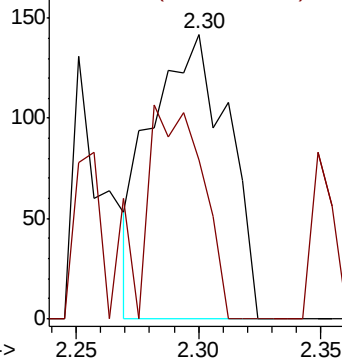


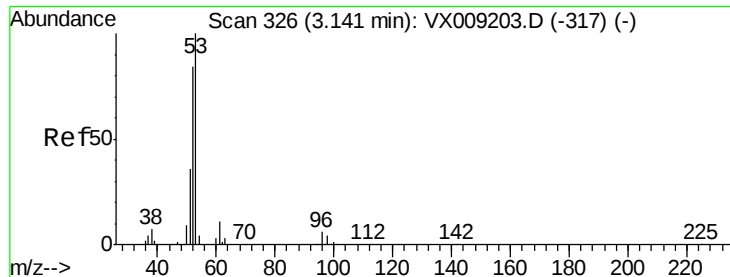
#13
Acrolein
Concen: 0.622 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009747.D
Acq: 21 May 2019 15:00

Tgt Ion: 56 Resp: 311
Ion Ratio Lower Upper
56 100
55 57.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.418 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009747.D

Acq: 21 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190520

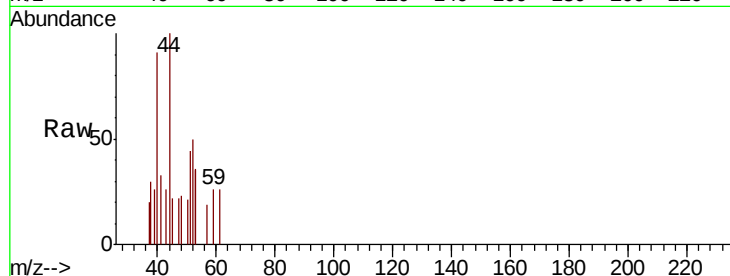
Tot Ion: 53 Resp: 564

Ion Ratio Lower Upper

53 100

52 68.8 66.9 100.3

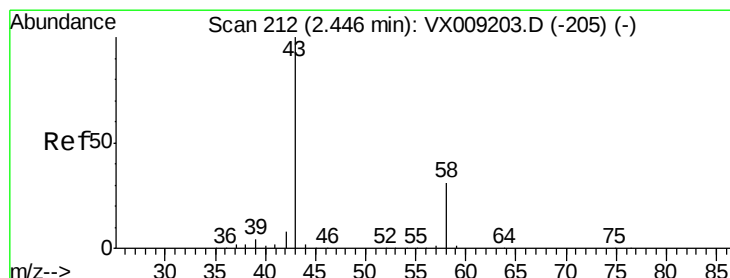
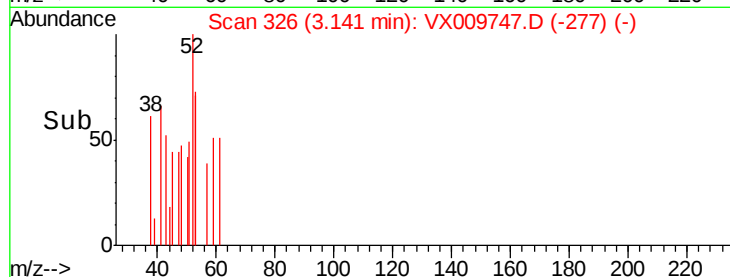
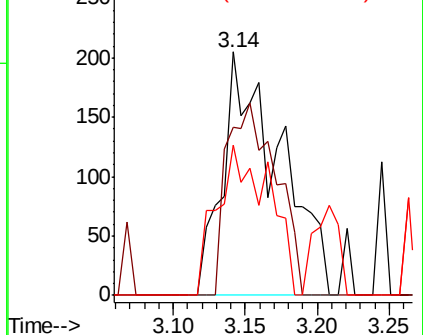
51 56.6 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.447 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009747.D

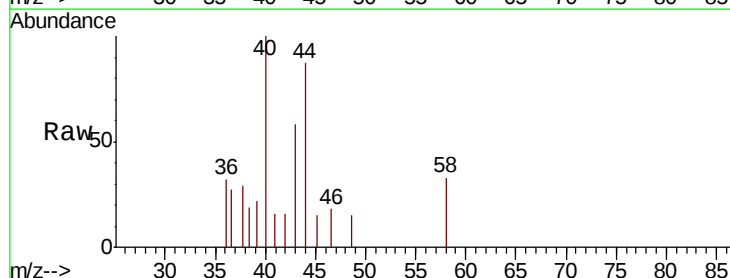
Acq: 21 May 2019 15:00

Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

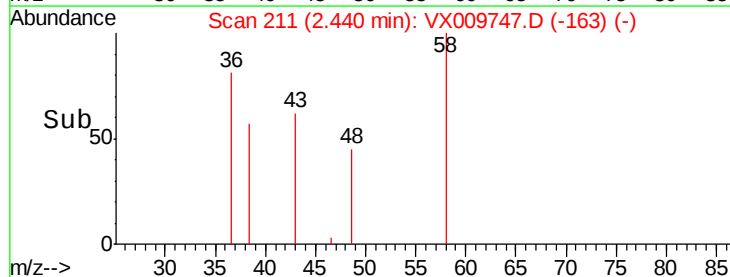
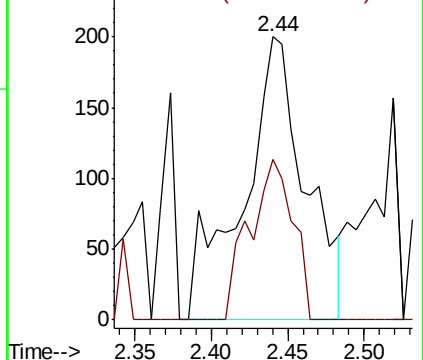
43 100

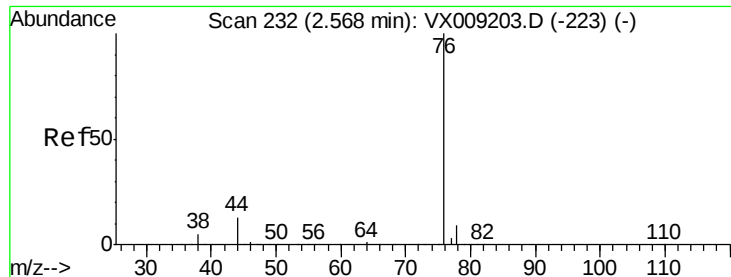
58 56.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009747.D

Acq: 21 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

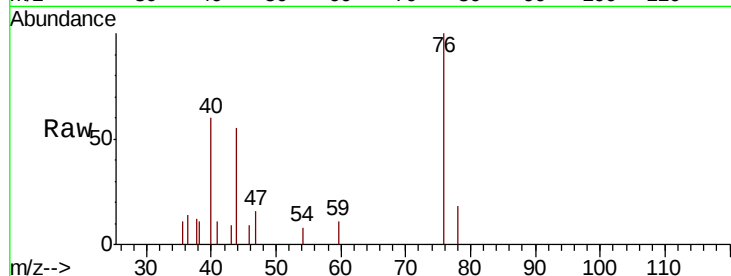
BP-VPB202-TB-20190520

Tot Ion: 76 Resp: 1019

Ion Ratio Lower Upper

76 100

78 17.8 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

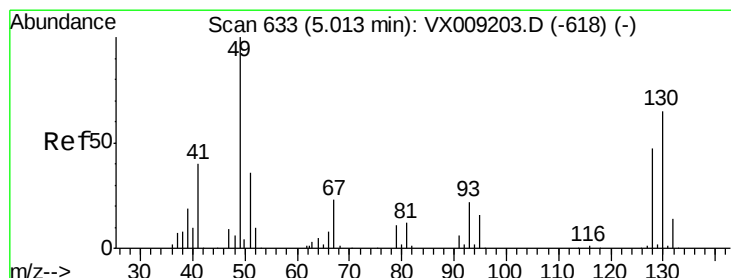
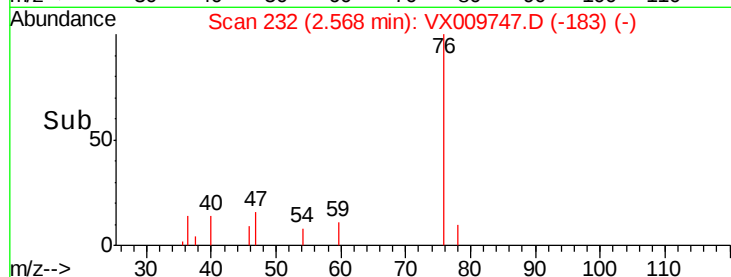
600

400

200

0

Time--> 2.50 2.55 2.60



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009747.D

Acq: 21 May 2019 15:00

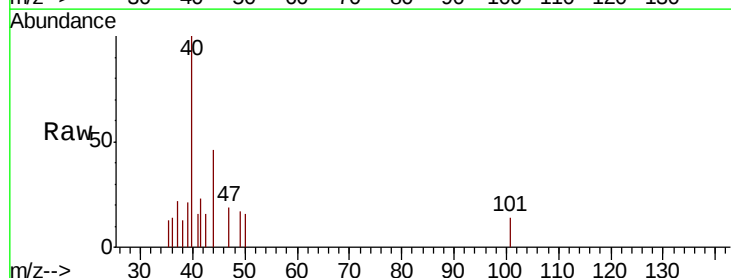
Tgt Ion: 49 Resp: 86

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

80

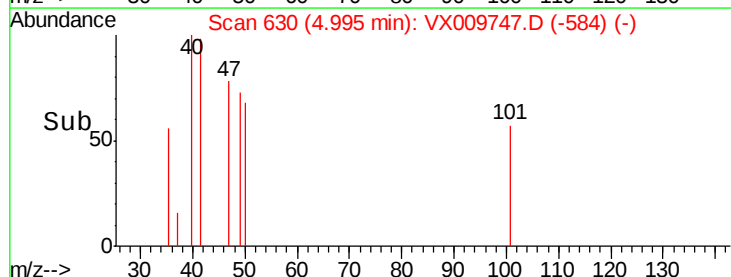
60

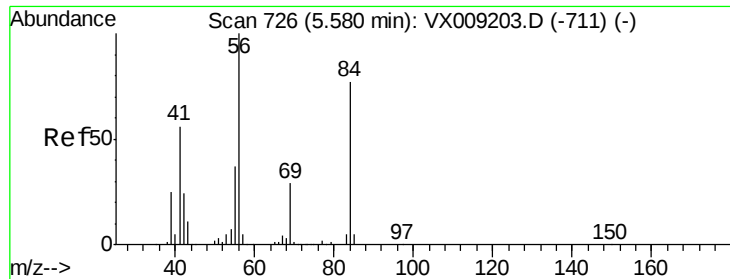
40

20

0

Time--> 4.96 4.98 5.00 5.02

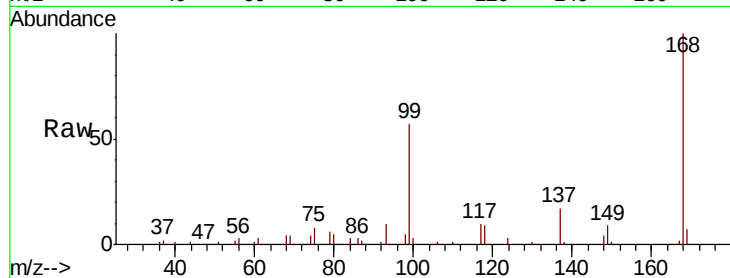




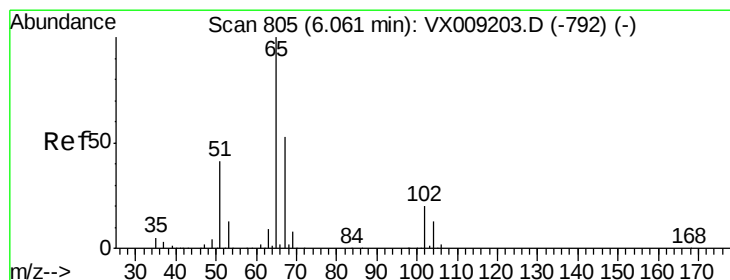
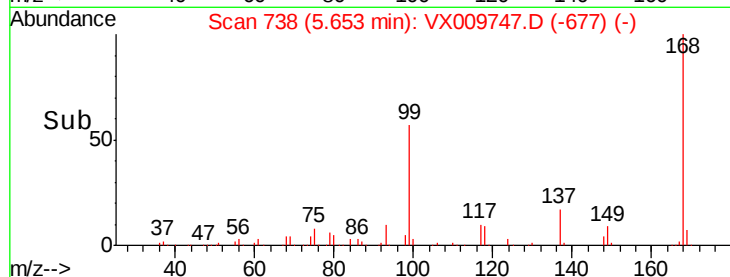
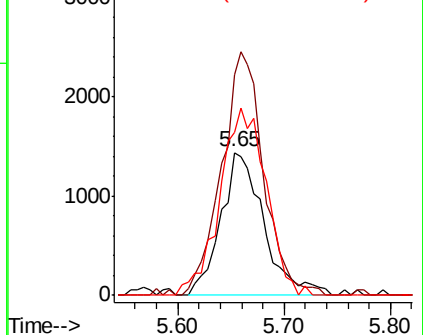
#31
Cyclohexane
Concen: 1.155 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009747.D
Acq: 21 May 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-TB-20190520

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	154.5	23.4	35.0#	
84	114.5	61.9	92.9#	

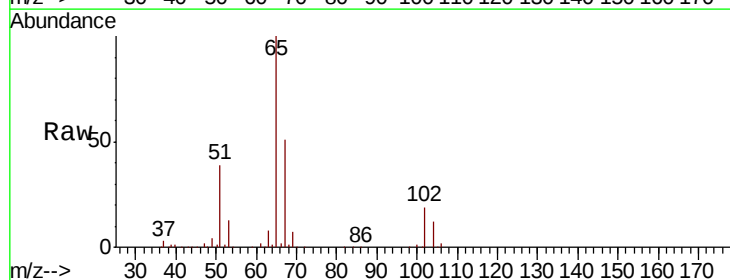


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

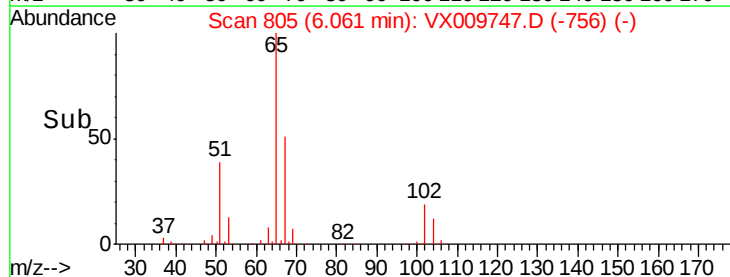
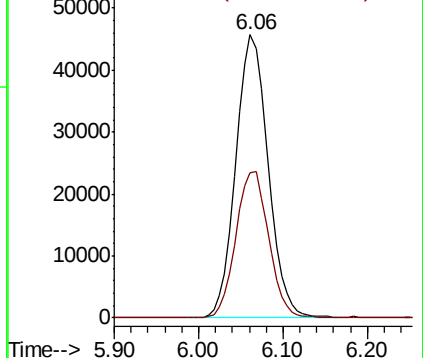


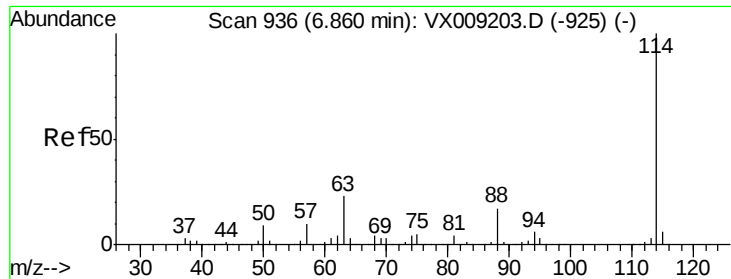
#33
1,2-Dichloroethane-d4
Concen: 49.655 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009747.D
Acq: 21 May 2019 15:00

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
67	52.9	0.0	106.6	



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

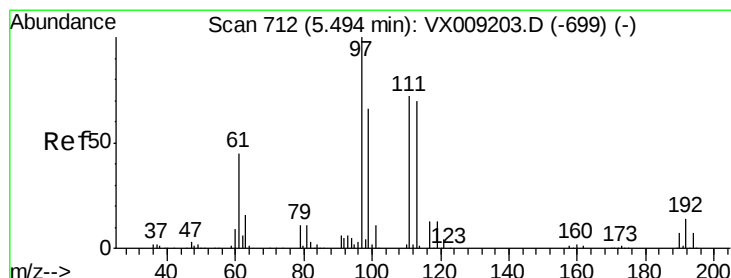
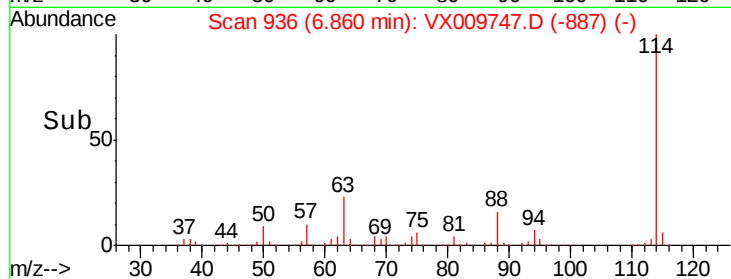
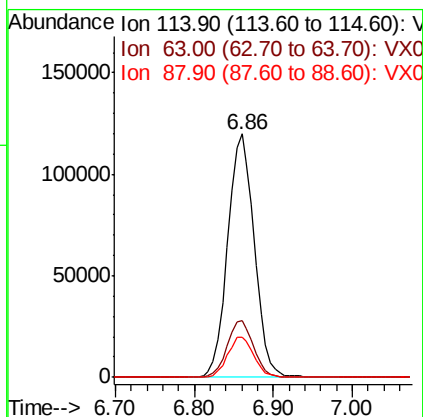
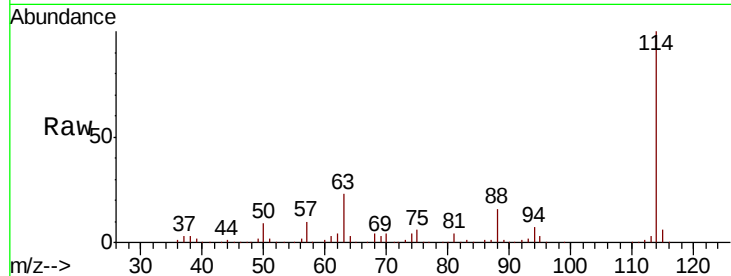




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009747.D
 Acq: 21 May 2019 15:00

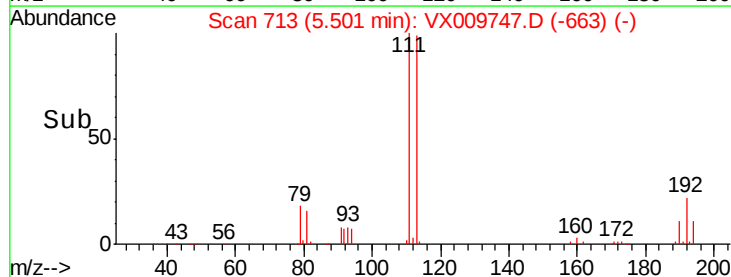
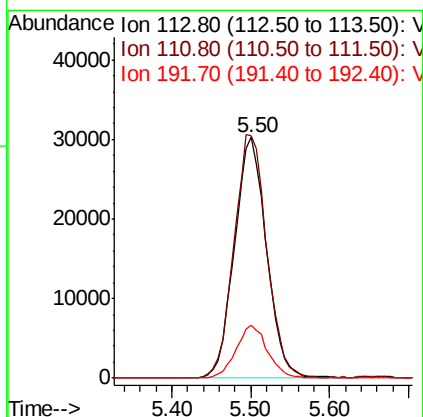
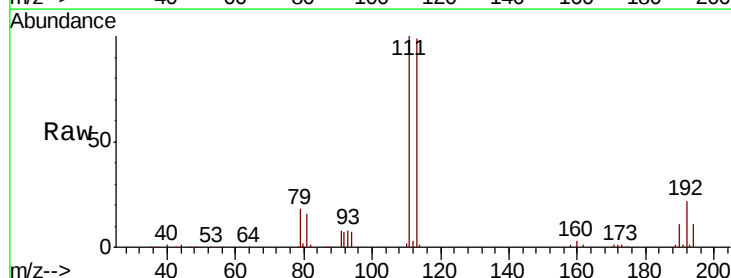
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-TB-20190520

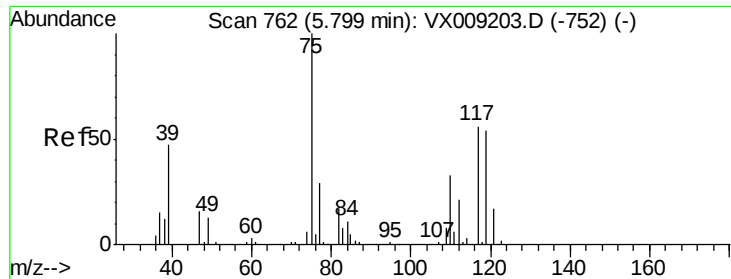
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	45.6
88	16.5	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.467 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009747.D
 Acq: 21 May 2019 15:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	21.5	17.0	25.6





#36

1,1-Dichloropropene

Concen: 5.343 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009747.D

Acq: 21 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-TB-20190520

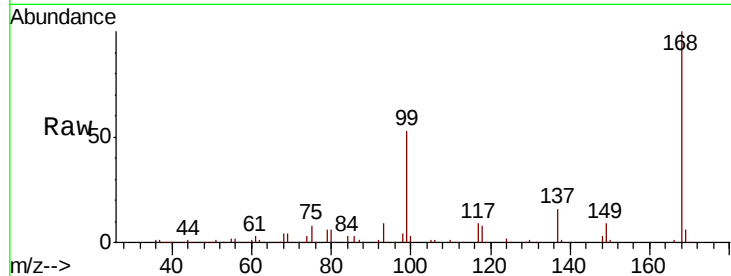
Tot Ion: 75 Resp: 13940

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

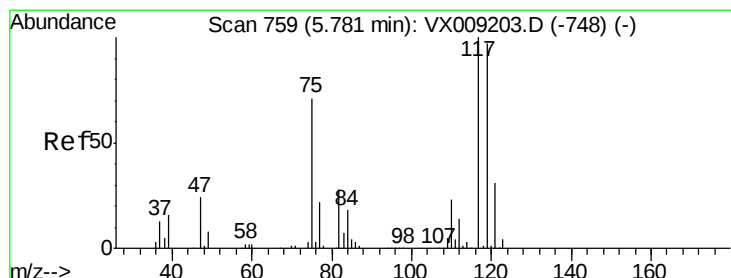
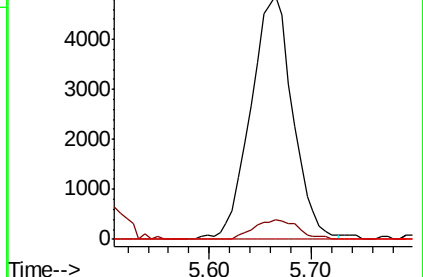
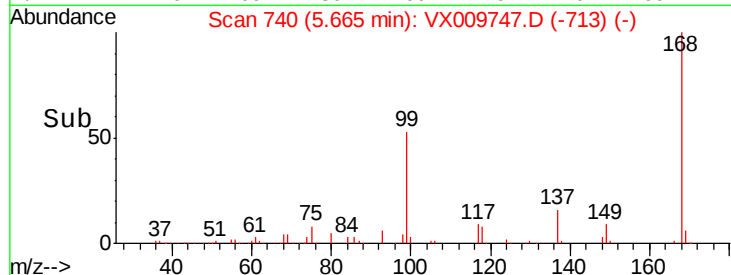
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX009747.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX009747.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009747.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.782 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009747.D

Acq: 21 May 2019 15:00

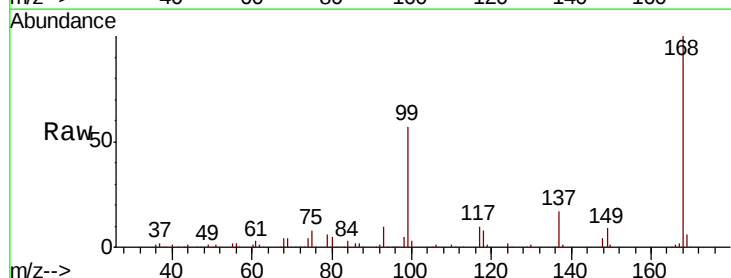
Tgt Ion: 117 Resp: 16075

Ion Ratio Lower Upper

117 100

119 6.5 77.5 116.3#

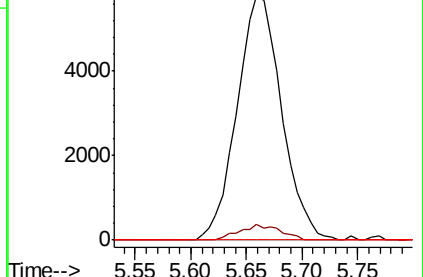
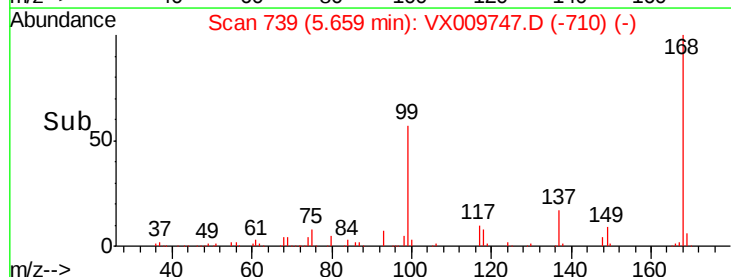
121 0.0 24.7 37.1#

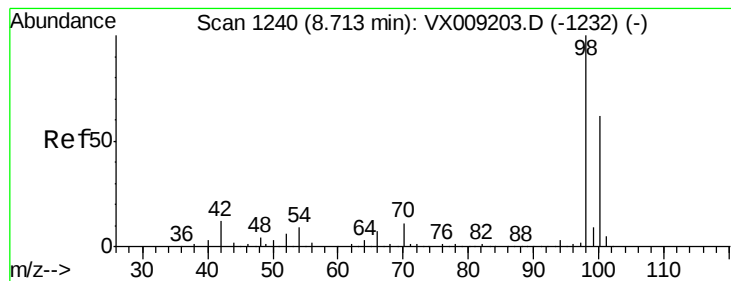


Abundance Ion 116.80 (116.50 to 117.50): VX009747.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009747.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009747.D (-710) (-)





#50

Toluene-d8

Concen: 50.163 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009747.D

Acq: 21 May 2019 15:00

Instrument :

MSVOA_X

ClientSampleId :

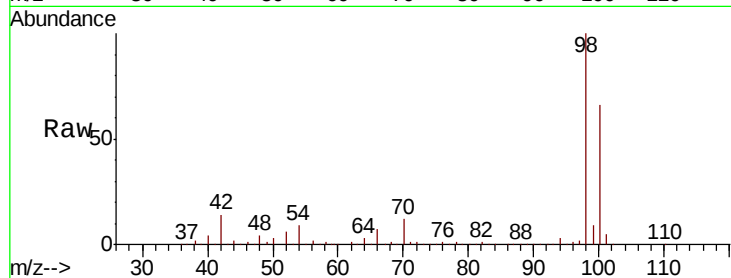
BP-VPB202-TB-20190520

Tot Ion: 98 Resp: 357395

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

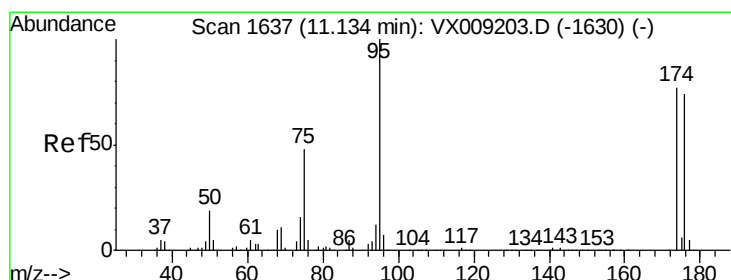
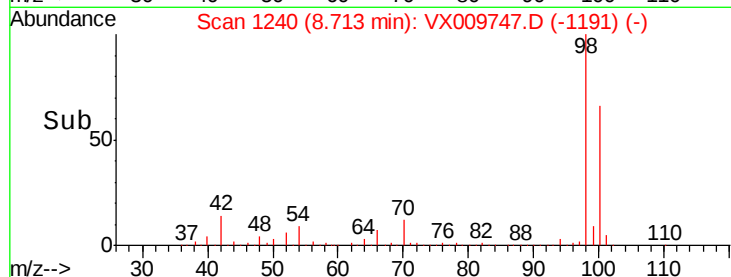
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.733 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009747.D

Acq: 21 May 2019 15:00

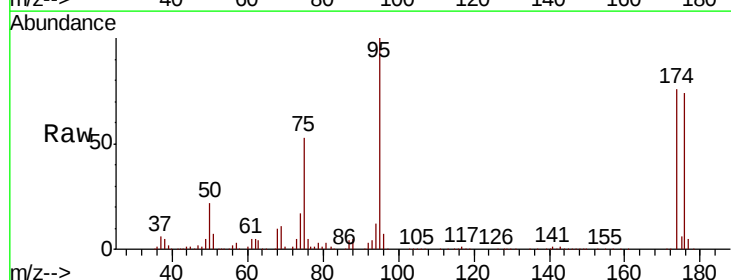
Tgt Ion: 95 Resp: 118396

Ion Ratio Lower Upper

95 100

174 82.4 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

120000

100000

80000

60000

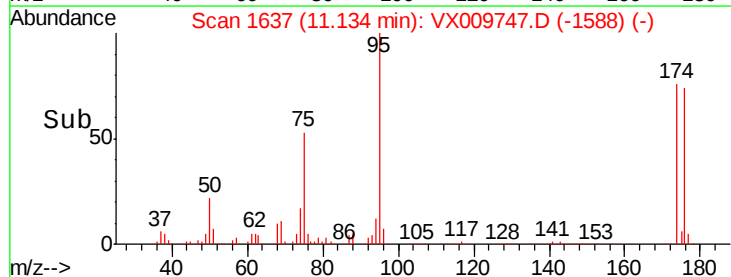
40000

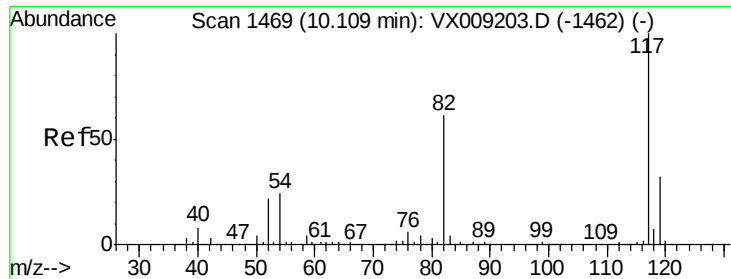
20000

0

11.10 11.20

Time-->

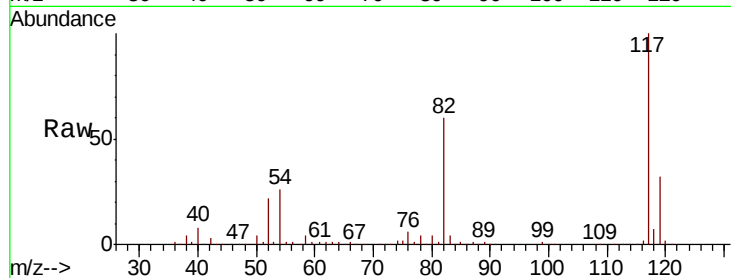




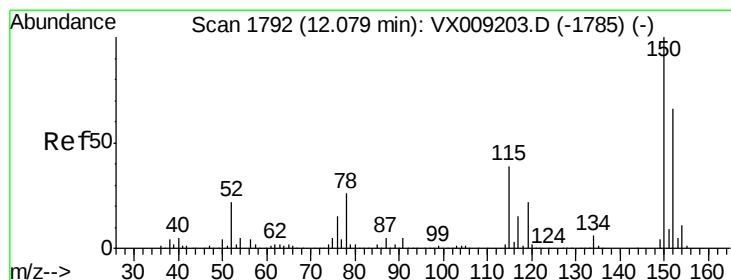
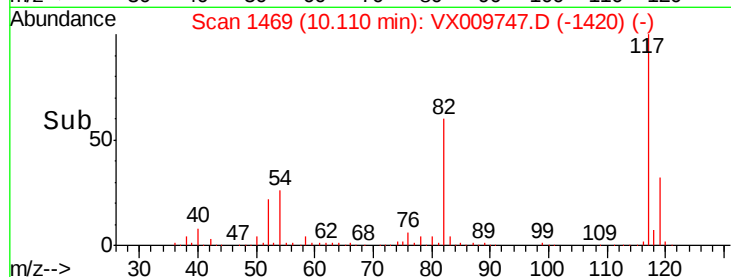
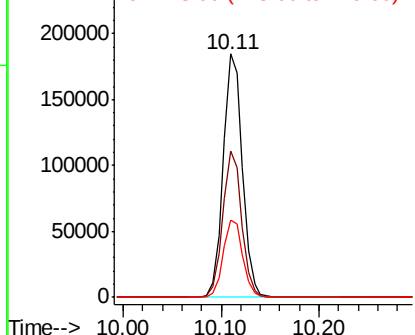
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009747.D
Acq: 21 May 2019 15:00

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-TB-20190520

Tot Ion:117 Resp: 251106
Ion Ratio Lower Upper
117 100
82 60.3 48.8 73.2
119 31.7 25.8 38.6

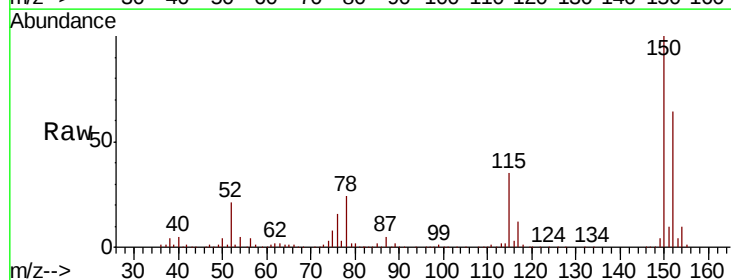


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

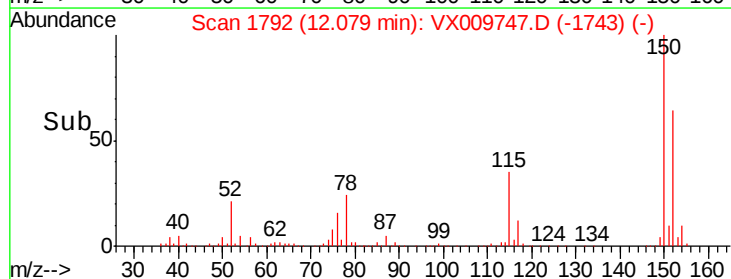
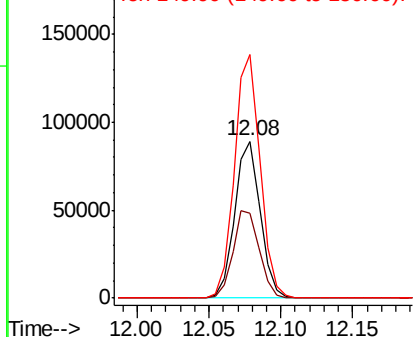


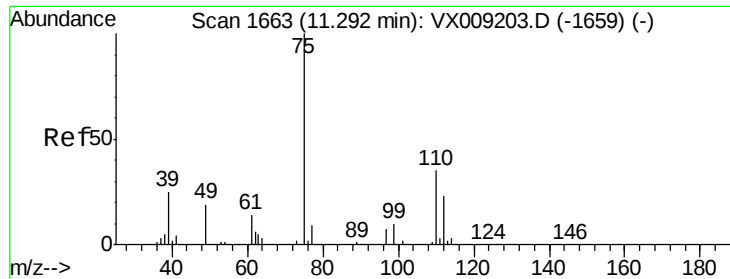
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009747.D
Acq: 21 May 2019 15:00

Tgt Ion:152 Resp: 110559
Ion Ratio Lower Upper
152 100
115 57.9 41.2 123.6
150 156.4 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

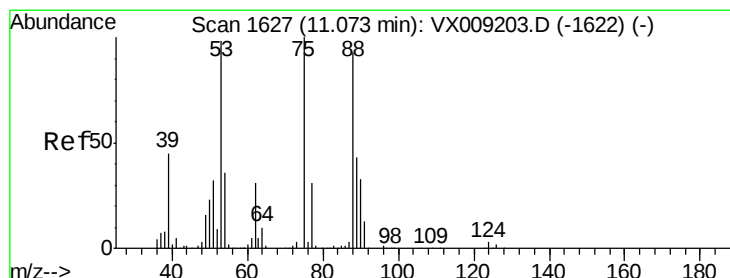
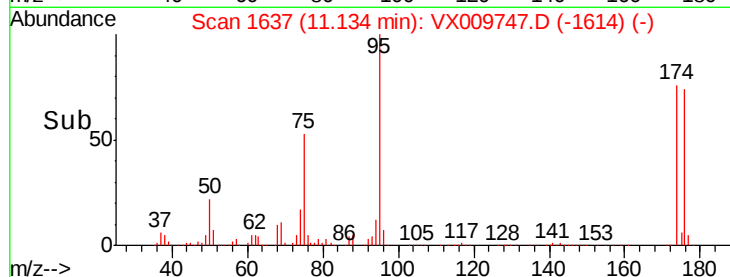
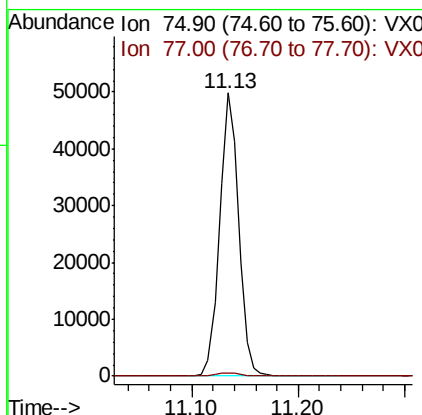
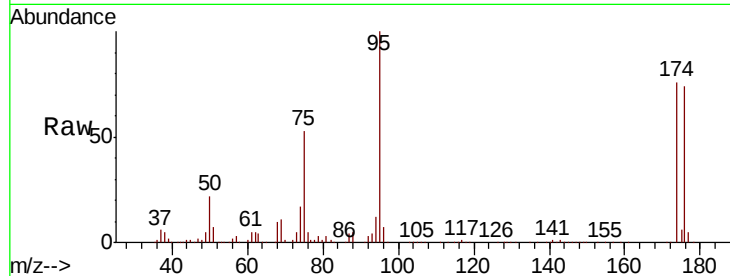




#76
 1,2,3-Trichloropropane
 Concen: 24.270 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009747.D
 Acq: 21 May 2019 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-TB-20190520

Tot Ion: 75 Resp: 62243
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.099 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009747.D
 Acq: 21 May 2019 15:00

Tgt Ion: 75 Resp: 62243
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

