

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009679.D
 Acq On : 17 May 2019 22:03
 Operator : JC/SP
 Sample : K2891-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-578-580

Quant Time: May 18 04:54:05 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	157286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	214769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	107308	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	5.50	113	77364	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.71	98	315540	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.13	95	98108	42.36	ug/l	0.00
Spiked Amount			Recovery	=	84.72%	

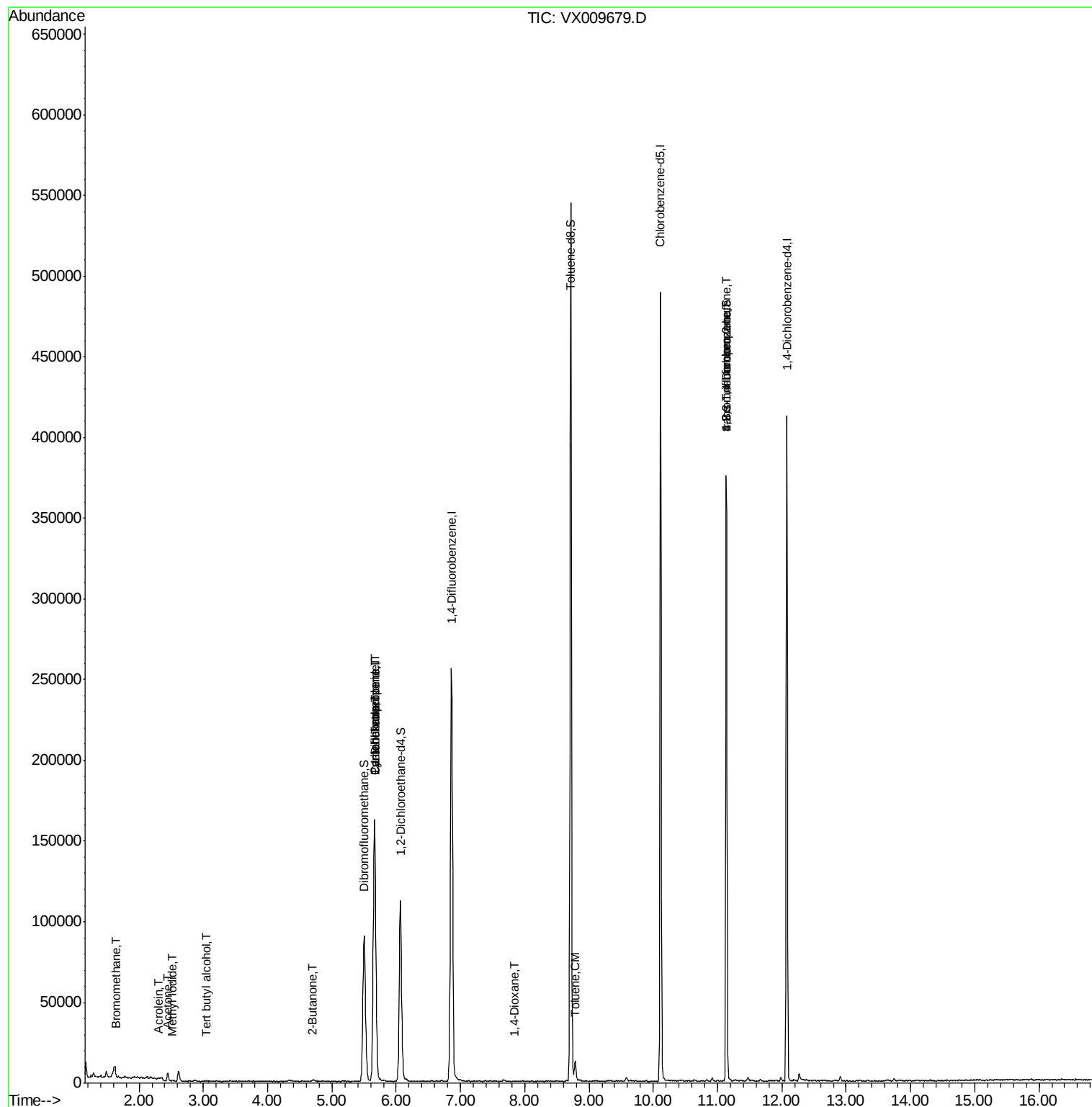
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	287	0.248	ug/l #	50
10) Methyl Iodide	2.52	142	19	4.604	ug/l #	42
11) Tert butyl alcohol	3.04	59	216	0.435	ug/l #	76
13) Acrolein	2.29	56	211	0.469	ug/l #	14
16) Acetone	2.45	43	5579	4.839	ug/l	97
25) 2-Butanone	4.69	43	1121	0.626	ug/l #	83
28) Bromochloromethane	4.99	49	51	Below Cal	#	20
31) Cyclohexane	5.66	56	3697	1.165	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12498	5.356	ug/l #	47
38) Carbon Tetrachloride	5.66	117	14621	6.896	ug/l #	16
49) 1,4-Dioxane	7.84	88	19	0.363	ug/l #	1
52) Toluene	8.79	92	4127	0.940	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	50188	26.425	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	50188	67.613	ug/l #	10

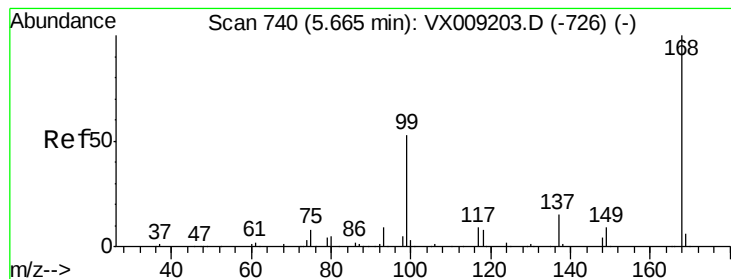
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009679.D

Acq: 17 May 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

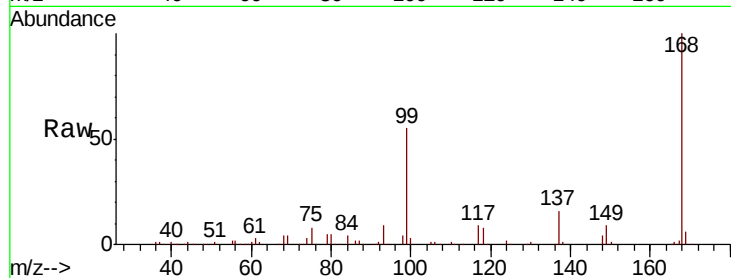
BP-VPB202-GW-578-580

Tot Ion:168 Resp: 157286

Ion Ratio Lower Upper

168 100

99 55.1 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

60000

50000

40000

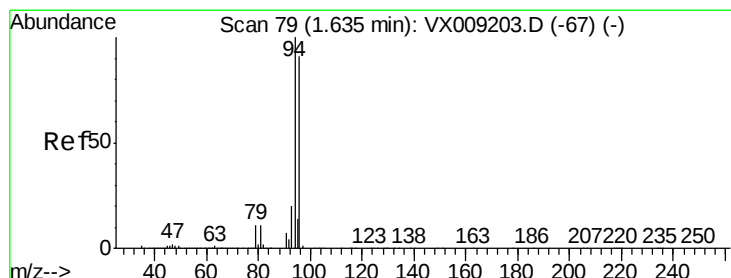
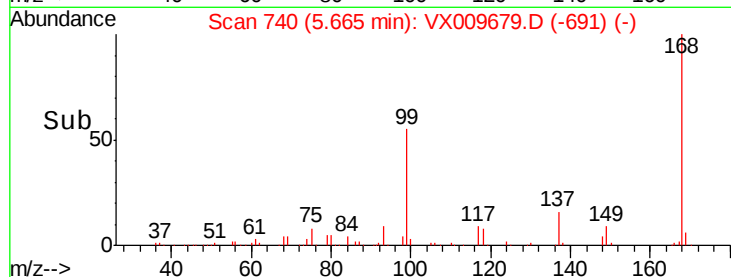
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.248 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009679.D

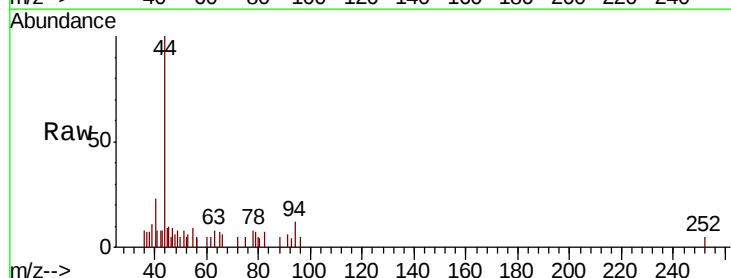
Acq: 17 May 2019 22:03

Tgt Ion: 94 Resp: 287

Ion Ratio Lower Upper

94 100

96 43.7 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

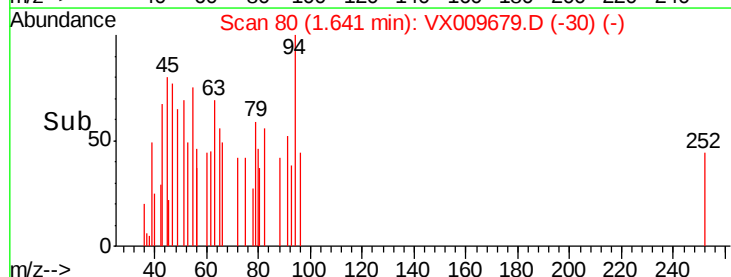
150

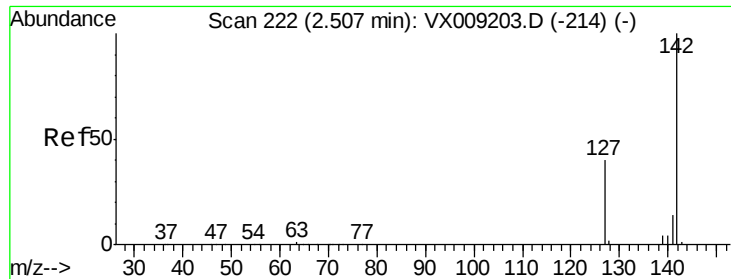
100

50

0

Time--> 1.60 1.65

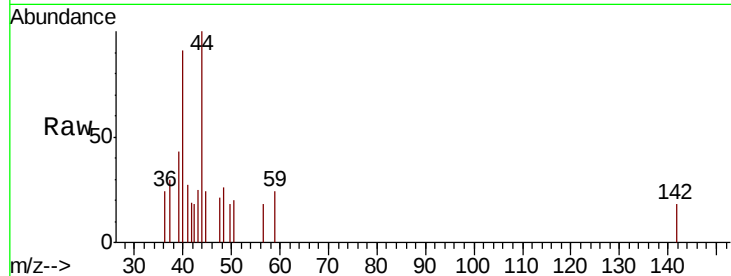




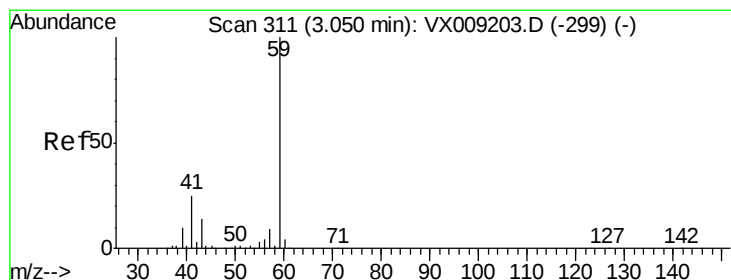
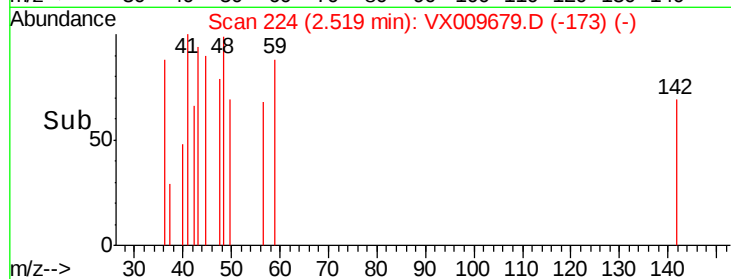
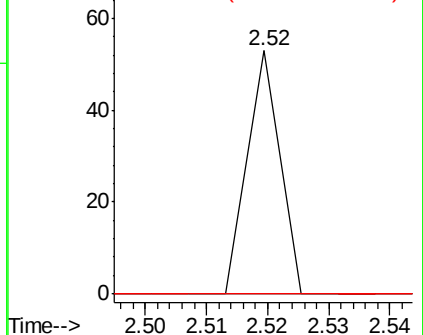
#10
Methyl Iodide
Concen: 4.604 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-578-580

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

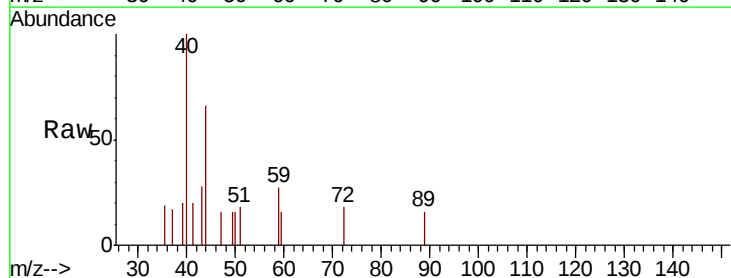


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

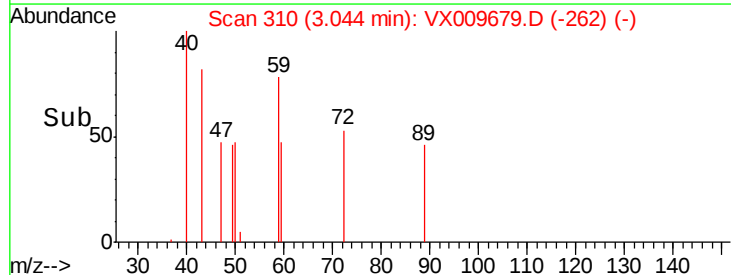
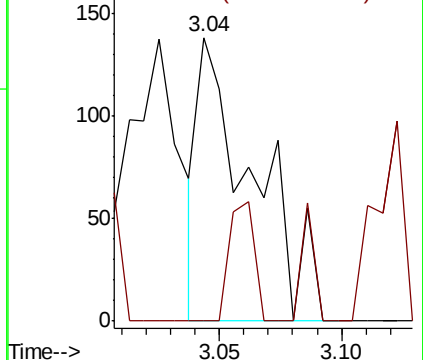


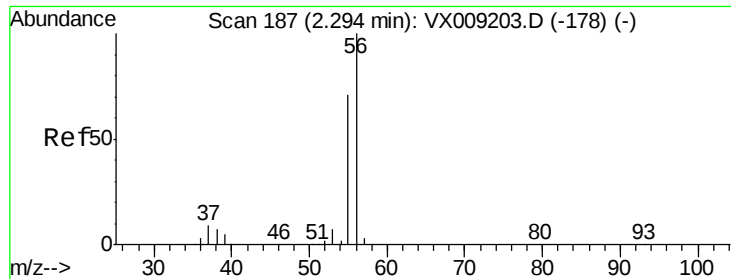
#11
Tert butyl alcohol
Concen: 0.435 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 19.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.469 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009679.D

Acq: 17 May 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

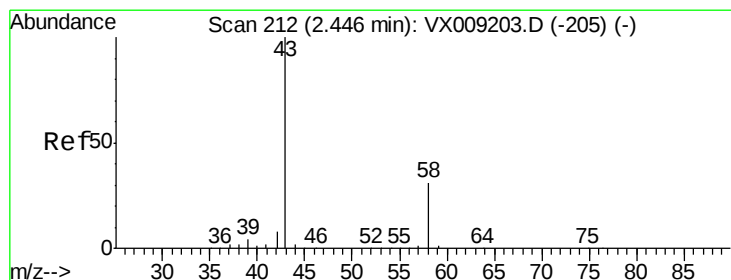
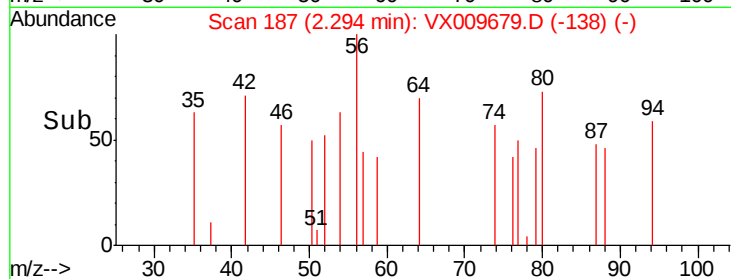
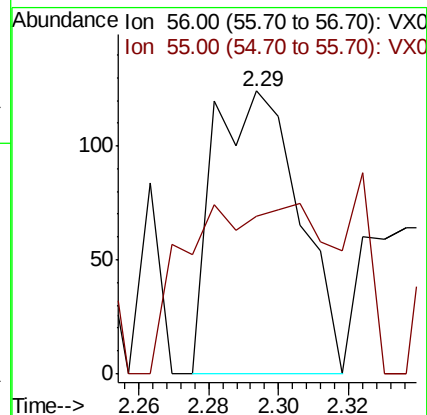
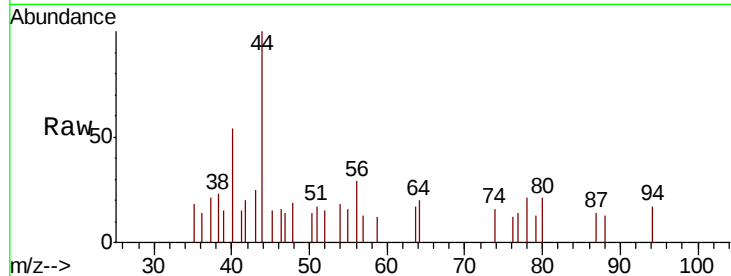
BP-VPB202-GW-578-580

Tot Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



#16

Acetone

Concen: 4.839 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009679.D

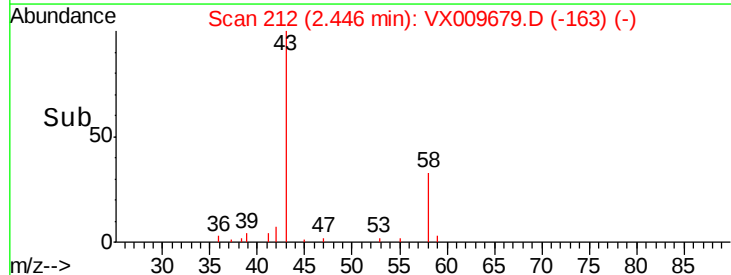
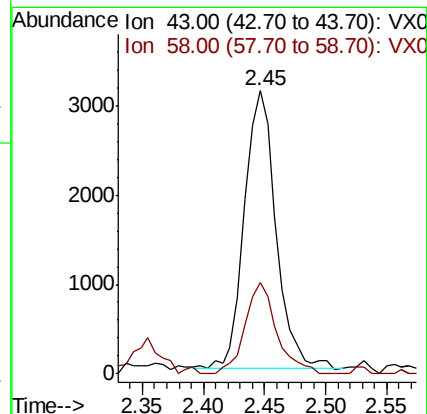
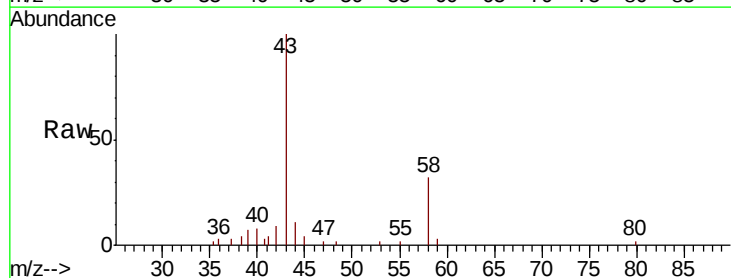
Acq: 17 May 2019 22:03

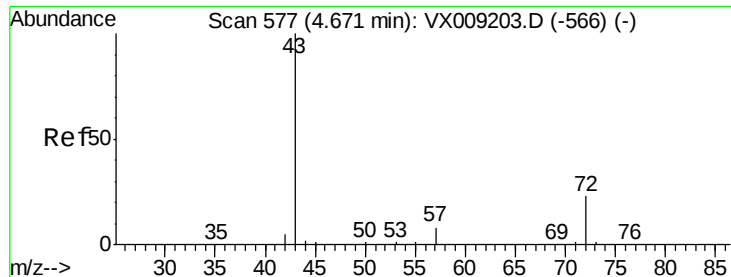
Tgt Ion: 43 Resp: 5579

Ion Ratio Lower Upper

43 100

58 33.0 24.9 37.3





#25

2-Butanone

Concen: 0.626 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009679.D

Acq: 17 May 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

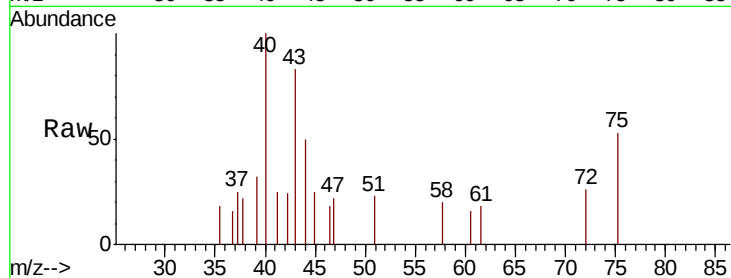
BP-VPB202-GW-578-580

Tot Ion: 43 Resp: 1121

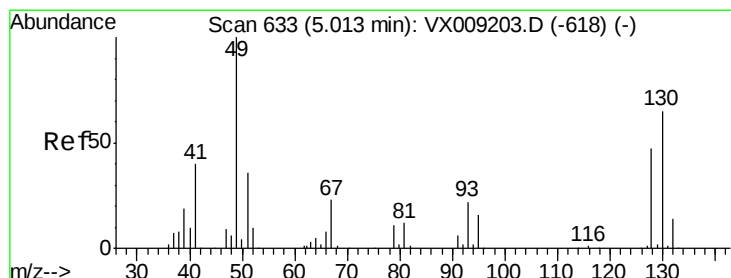
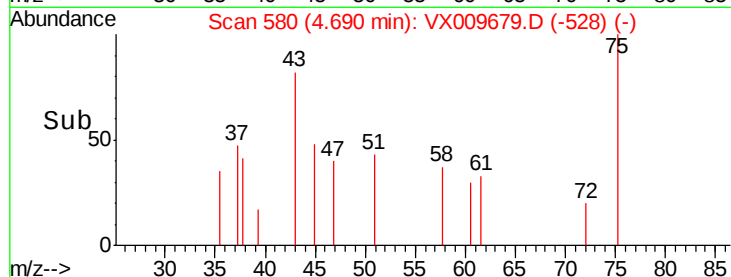
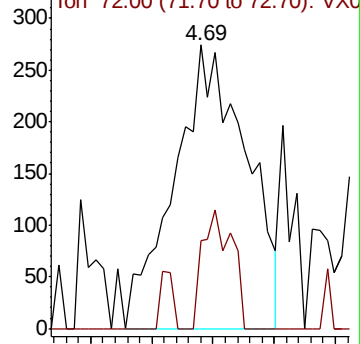
Ion Ratio Lower Upper

43 100

72 31.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009679.D

Acq: 17 May 2019 22:03

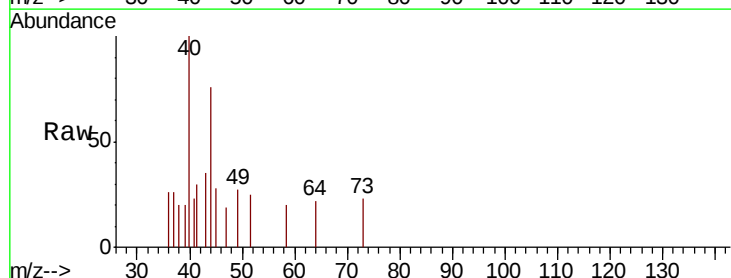
Tgt Ion: 49 Resp: 51

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

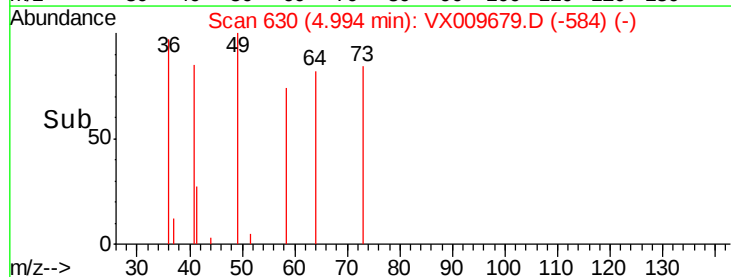
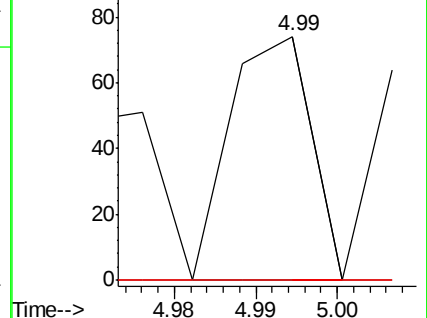
130 0.0 51.2 76.8#

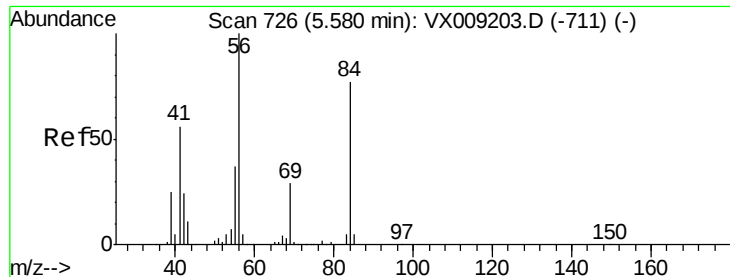


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

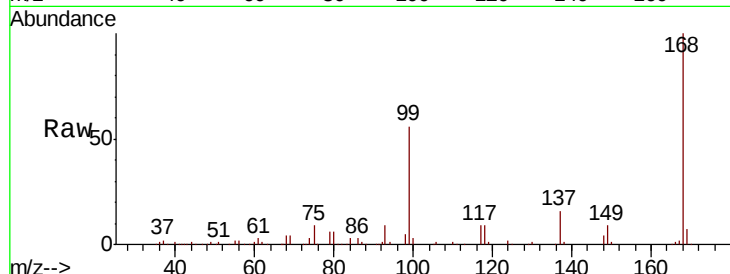




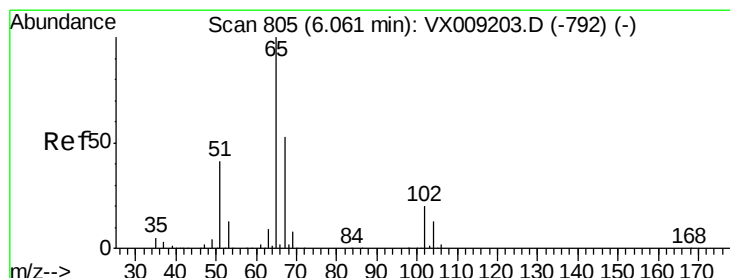
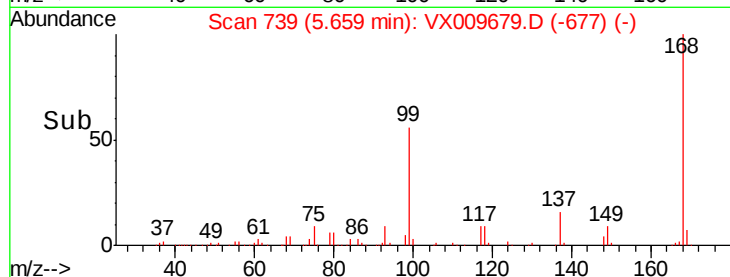
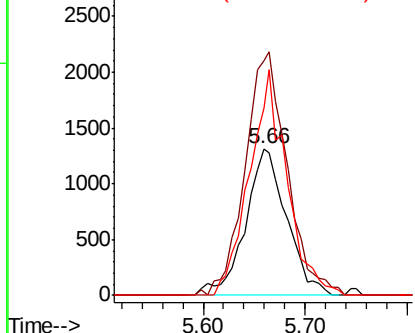
#31
Cyclohexane
Concen: 1.165 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-578-580

Tot Ion: 56 Resp: 3697
Ion Ratio Lower Upper
56 100
69 160.4 23.4 35.0#
84 128.1 61.9 92.9#

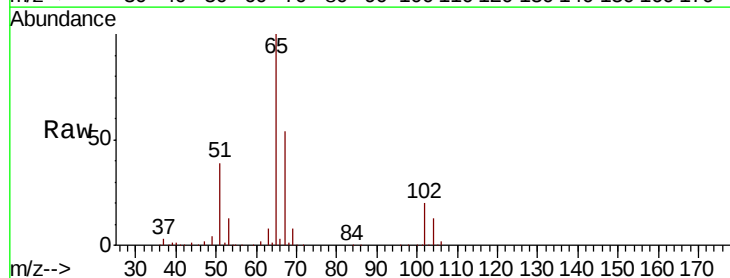


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

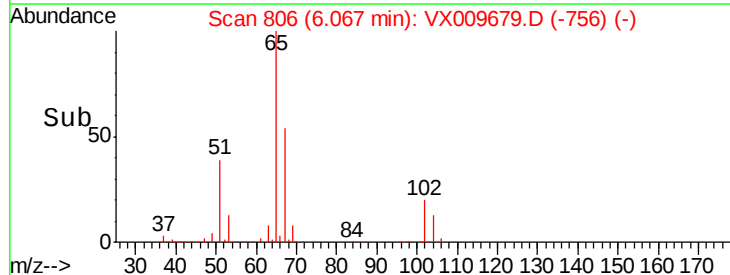
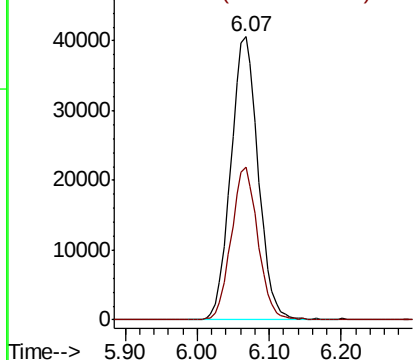


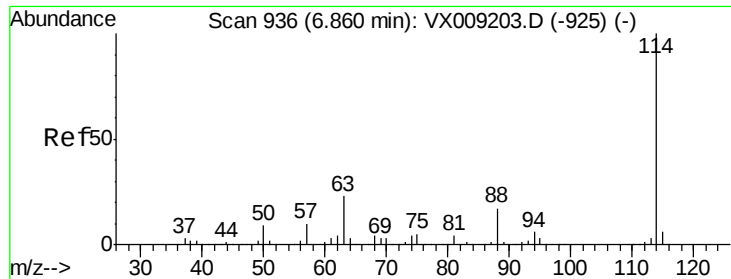
#33
1,2-Dichloroethane-d4
Concen: 49.977 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Tgt Ion: 65 Resp: 107308
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.6



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

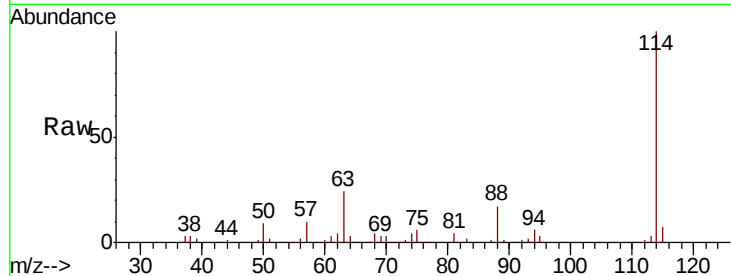




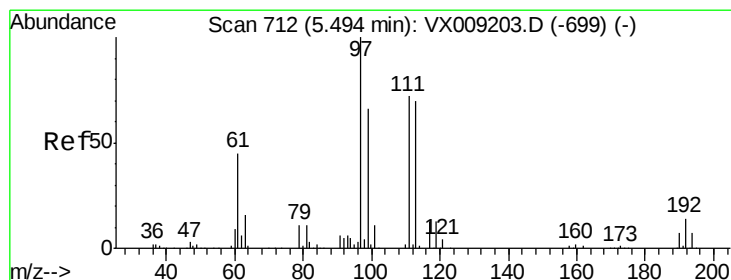
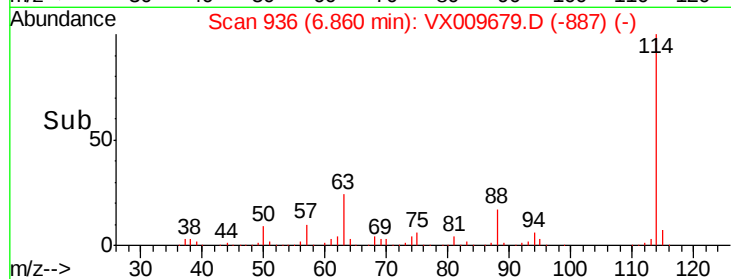
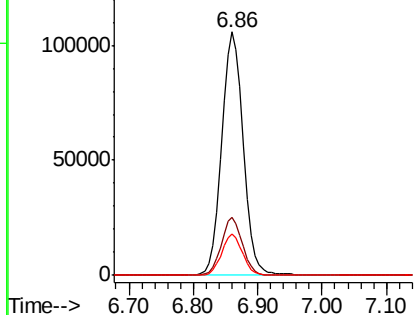
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-578-580

Tot Ion:114 Resp: 251116
Ion Ratio Lower Upper
114 100
63 23.7 0.0 45.6
88 16.8 0.0 33.2

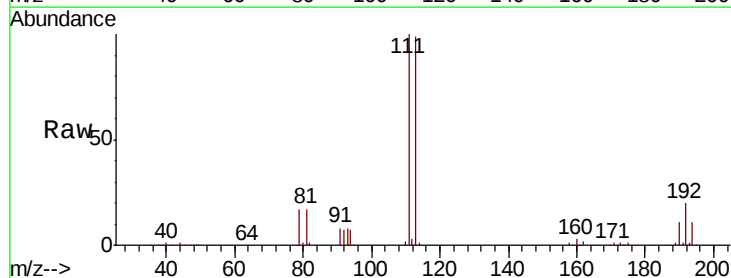


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

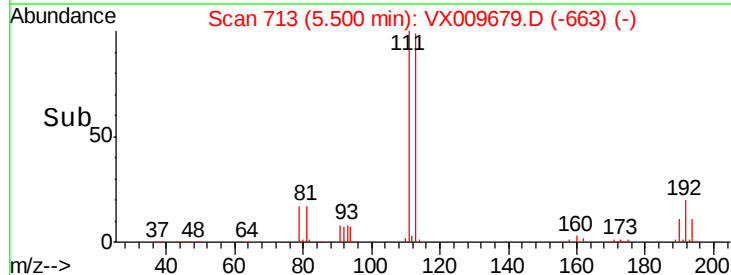
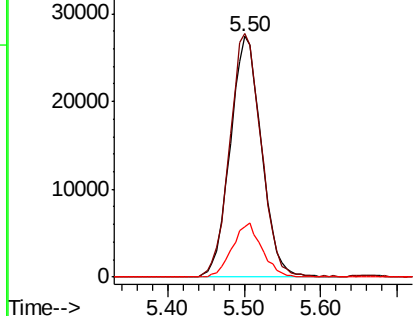


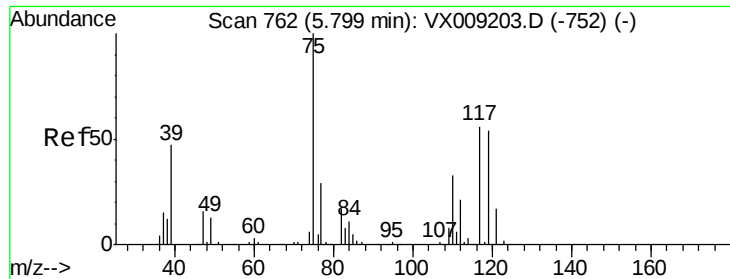
#35
Dibromofluoromethane
Concen: 49.008 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Tgt Ion:113 Resp: 77364
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 21.4 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

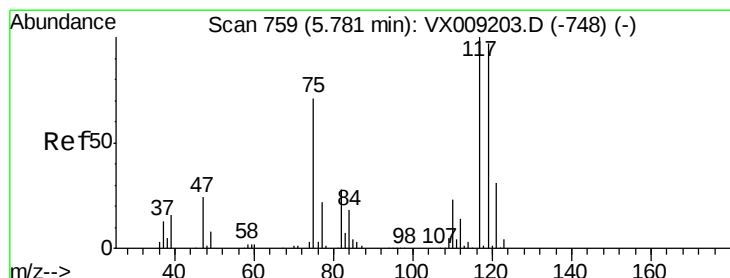
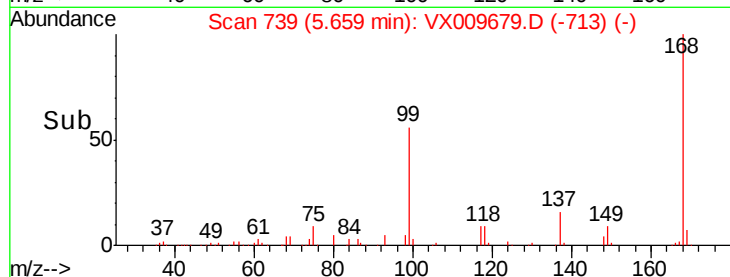
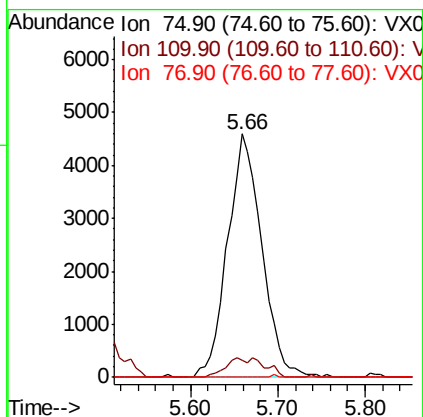
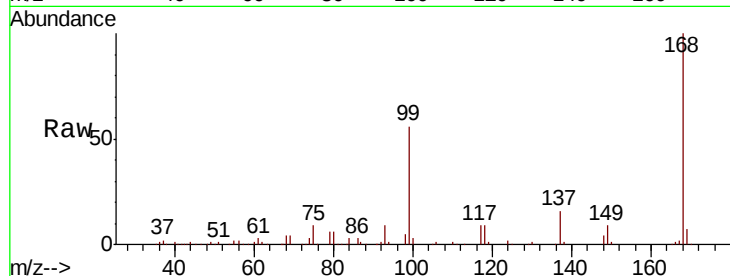




#36
 1,1-Dichloropropene
 Concen: 5.356 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009679.D
 Acq: 17 May 2019 22:03

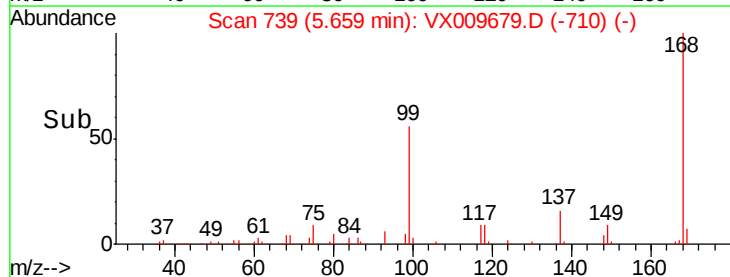
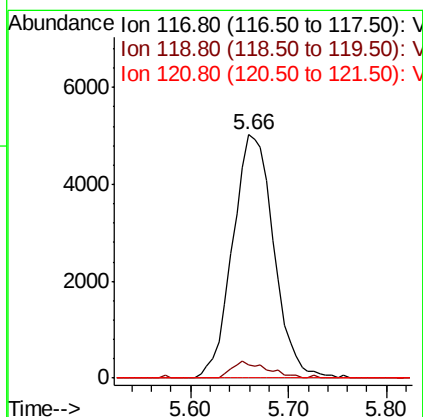
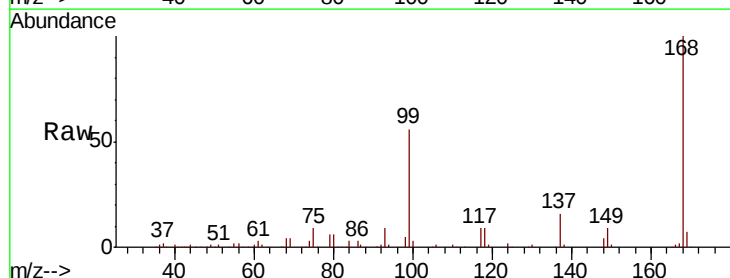
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-578-580

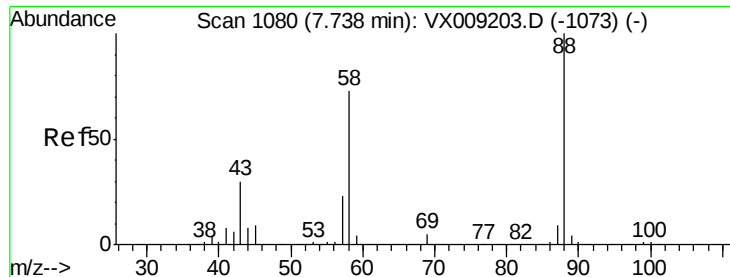
Tot Ion	75	Resp	12498
Ion Ratio	100	Lower	Upper
110	5.1	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.896 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009679.D
 Acq: 17 May 2019 22:03

Tgt Ion	117	Resp	14621
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.5	77.5	116.3#
121	0.0	24.7	37.1#

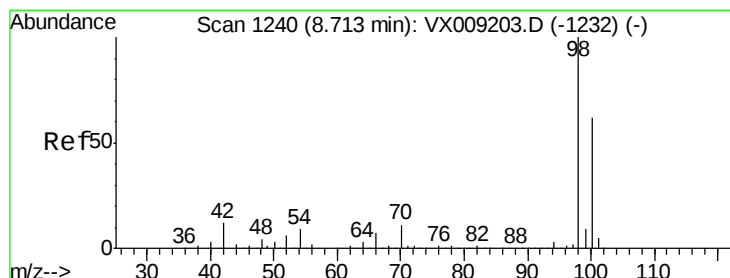
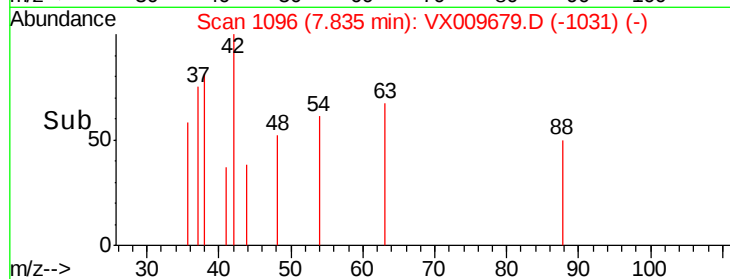
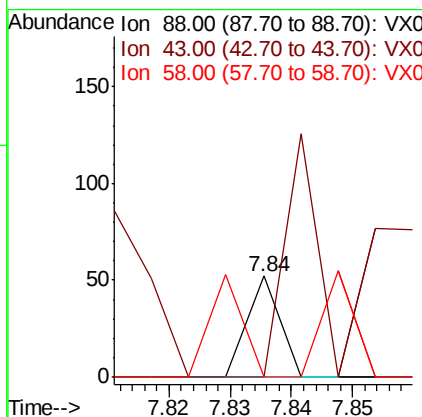
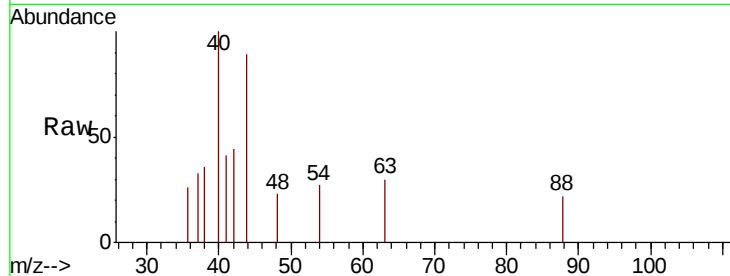




#49
 1,4-Dioxane
 Concen: 0.363 ug/l
 RT: 7.84 min Scan# 1096
 Delta R.T. 0.10 min
 Lab File: VX009679.D
 Acq: 17 May 2019 22:03

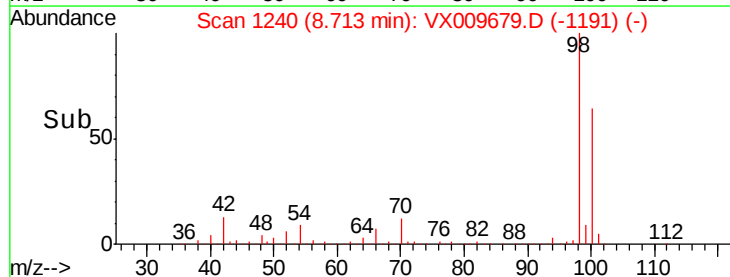
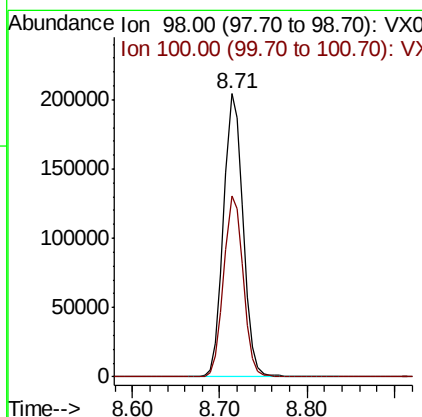
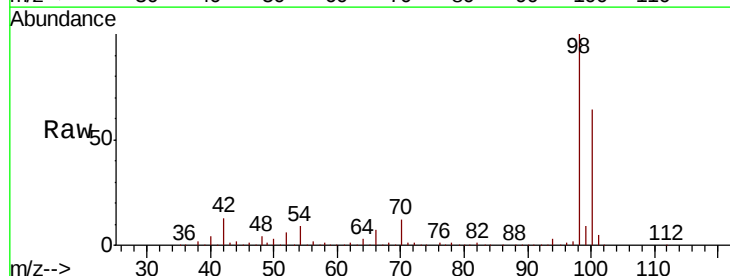
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-578-580

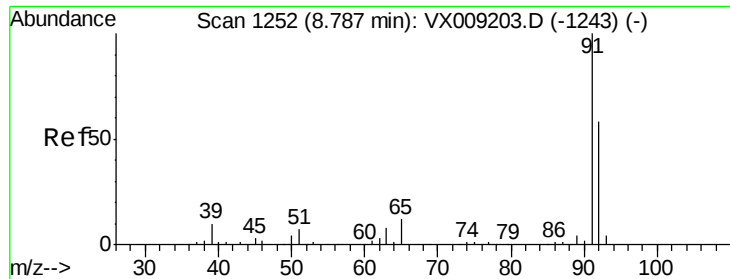
Tot Ion	Ratio	Lower	Upper
88	100		
43	242.1	28.6	42.8#
58	105.3	61.7	92.5#



#50
 Toluene-d8
 Concen: 49.510 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009679.D
 Acq: 17 May 2019 22:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#52

Toluene

Concen: 0.940 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009679.D

Acq: 17 May 2019 22:03

Instrument :

MSVOA_X

ClientSampleId :

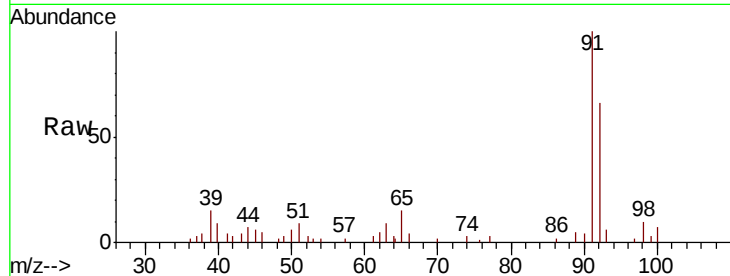
BP-VPB202-GW-578-580

Tot Ion: 92 Resp: 4127

Ion Ratio Lower Upper

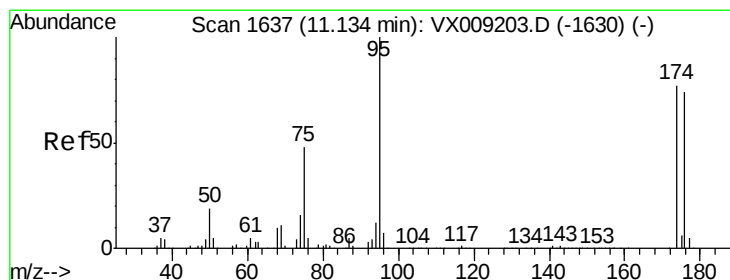
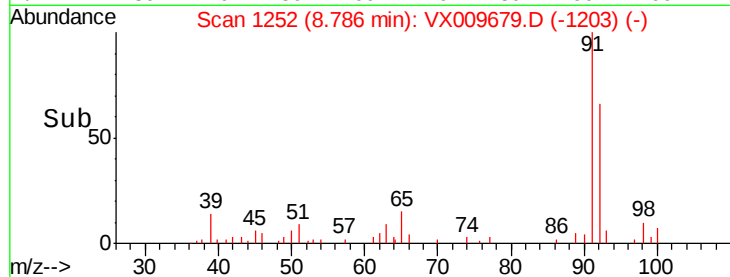
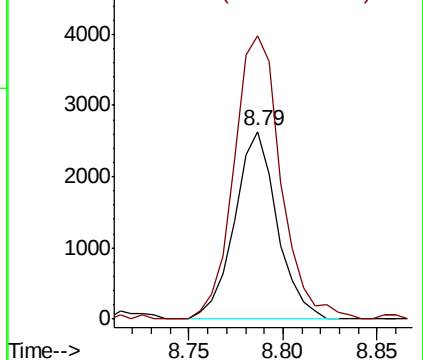
92 100

91 166.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.365 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009679.D

Acq: 17 May 2019 22:03

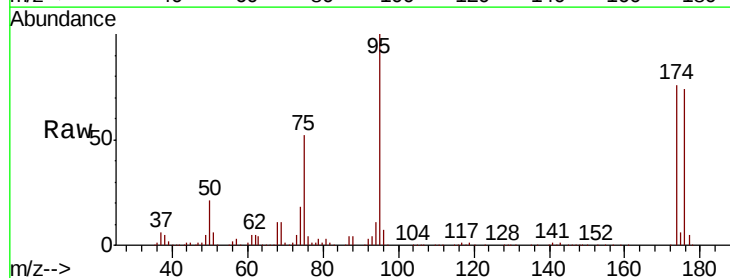
Tgt Ion: 95 Resp: 98108

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

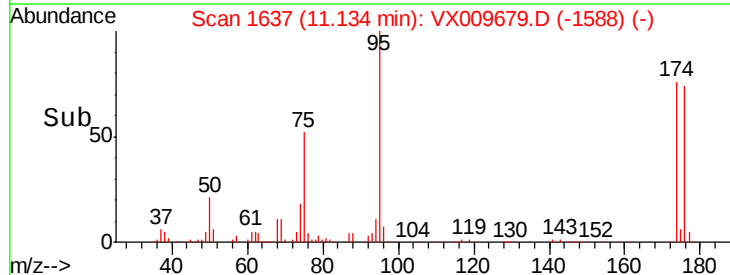
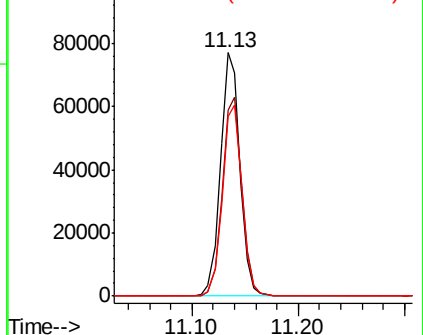
176 79.5 0.0 159.2

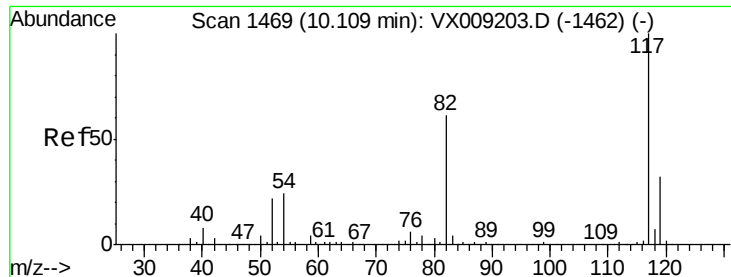


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

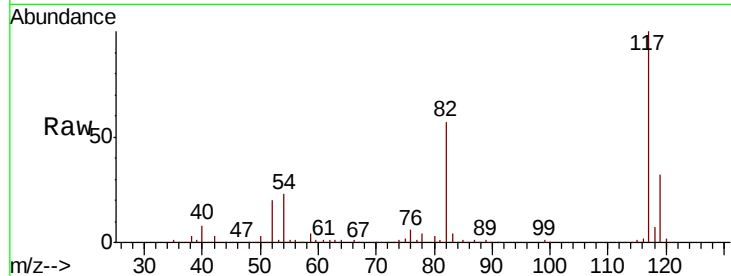




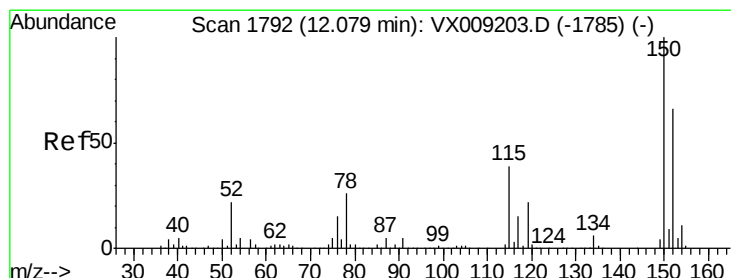
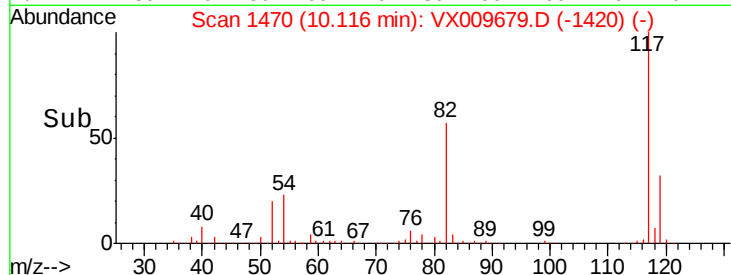
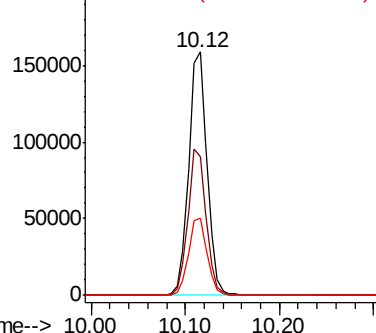
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-578-580

Tot Ion:117 Resp: 214769
Ion Ratio Lower Upper
117 100
82 56.7 48.8 73.2
119 31.9 25.8 38.6

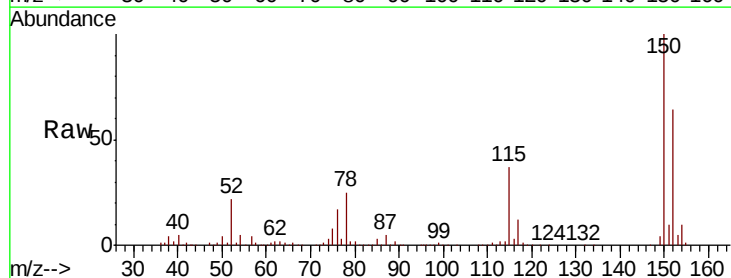


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

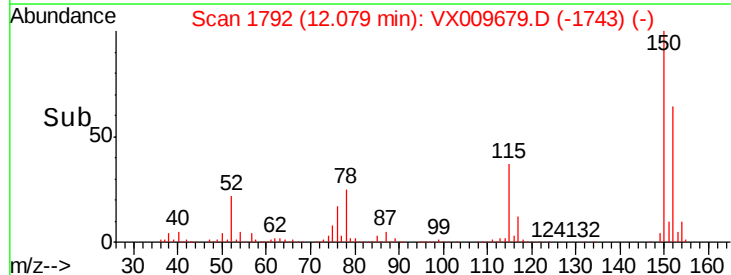
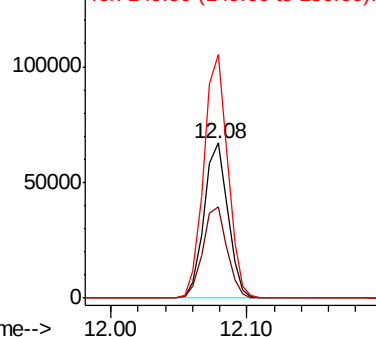


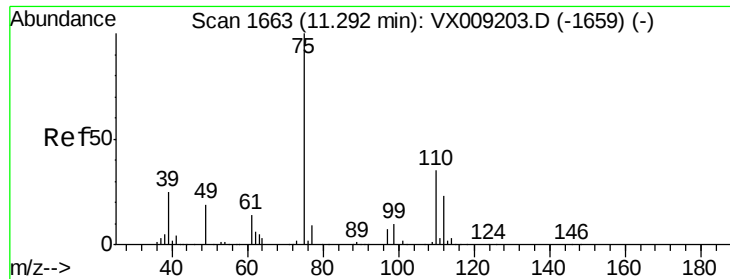
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009679.D
Acq: 17 May 2019 22:03

Tgt Ion:152 Resp: 81876
Ion Ratio Lower Upper
152 100
115 59.8 41.2 123.6
150 157.9 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

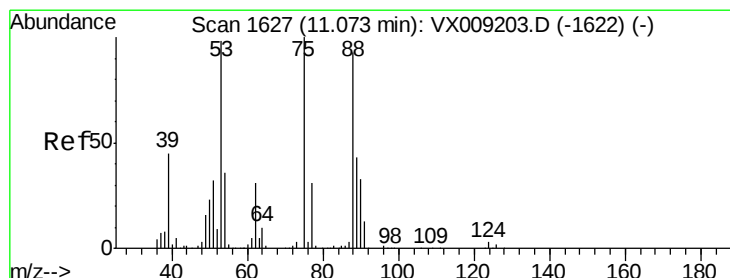
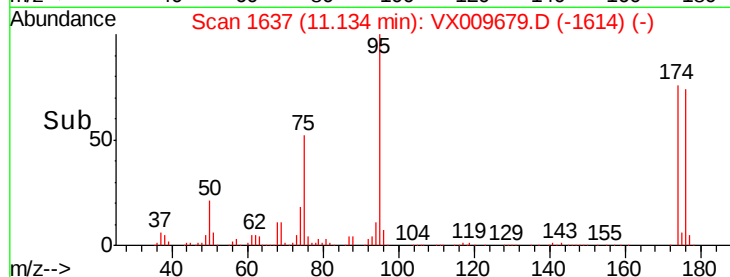
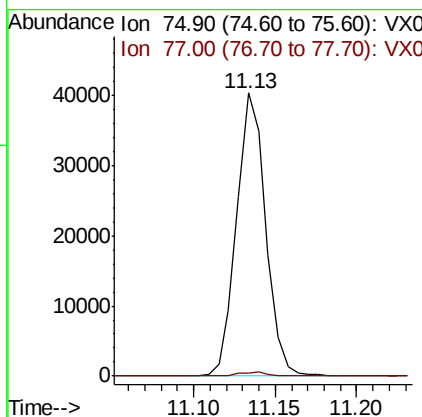
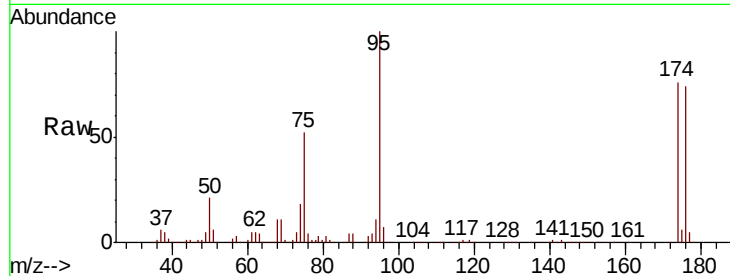




#76
 1,2,3-Trichloropropane
 Concen: 26.425 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009679.D
 Acq: 17 May 2019 22:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-578-580

Tot Ion: 75 Resp: 50188
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.613 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009679.D
 Acq: 17 May 2019 22:03

Tgt Ion: 75 Resp: 50188
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

