

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009677.D
 Acq On : 17 May 2019 21:16
 Operator : JC/SP
 Sample : K2891-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-538-540

Quant Time: May 18 04:53:44 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	161615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	256466	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97483	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	109031	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	5.50	113	80455	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.71	98	322502	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	106814	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

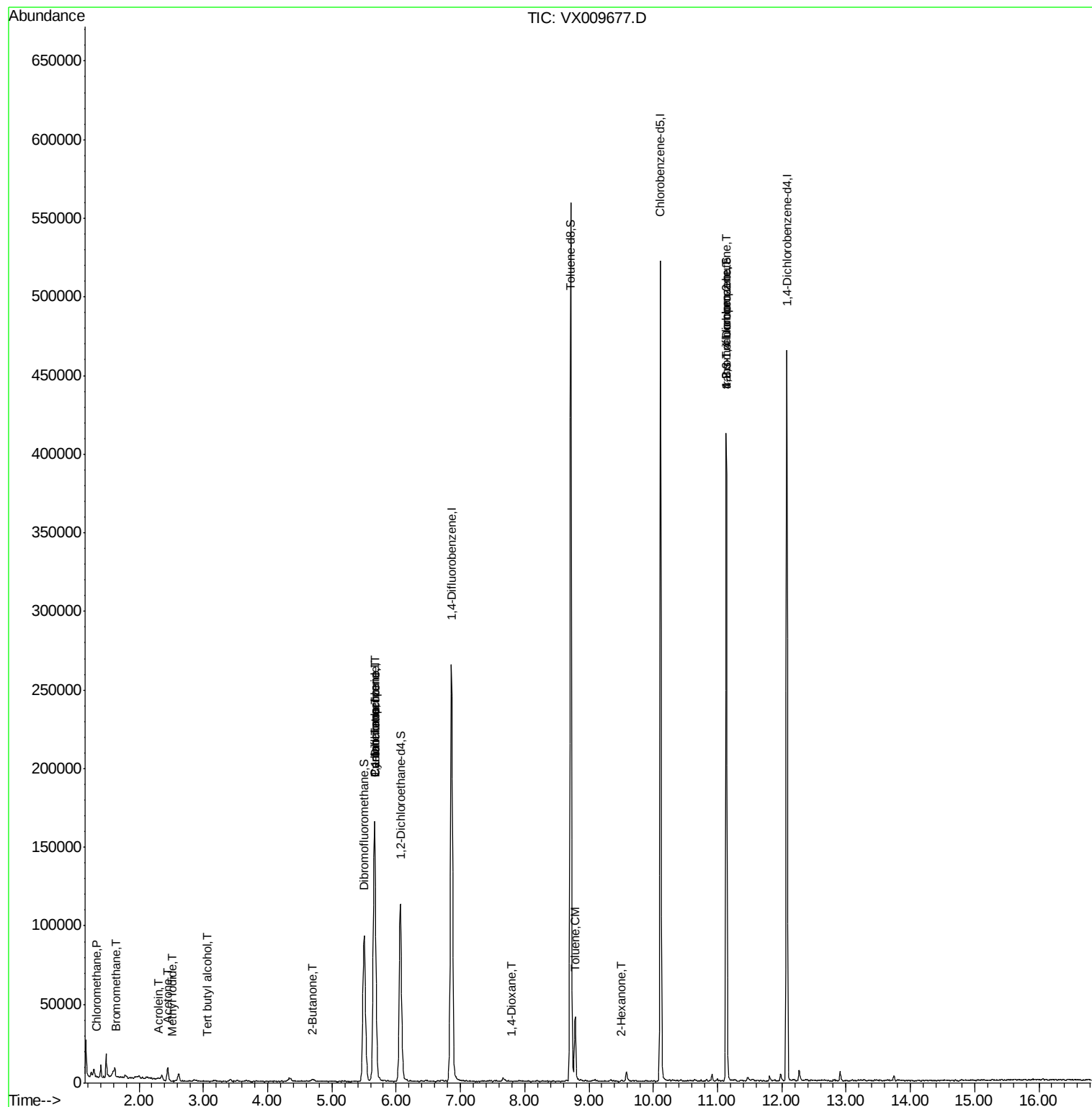
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	604	0.297	ug/l #	81
5) Bromomethane	1.64	94	275	0.231	ug/l	96
10) Methyl Iodide	2.52	142	44	4.617	ug/l #	42
11) Tert butyl alcohol	3.06	59	192	0.376	ug/l #	73
13) Acrolein	2.30	56	187	0.404	ug/l #	23
16) Acetone	2.45	43	9366	7.906	ug/l	98
25) 2-Butanone	4.70	43	2388	1.297	ug/l	99
28) Bromochloromethane	5.04	49	137	Below Cal	#	20
31) Cyclohexane	5.66	56	3953	1.212	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12519	5.253	ug/l #	50
38) Carbon Tetrachloride	5.67	117	14759	6.816	ug/l #	16
49) 1,4-Dioxane	7.80	88	22	0.412	ug/l #	1
52) Toluene	8.79	92	14659	3.269	ug/l	99
59) 2-Hexanone	9.50	43	630	0.231	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	55091	24.363	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55091	62.336	ug/l #	10

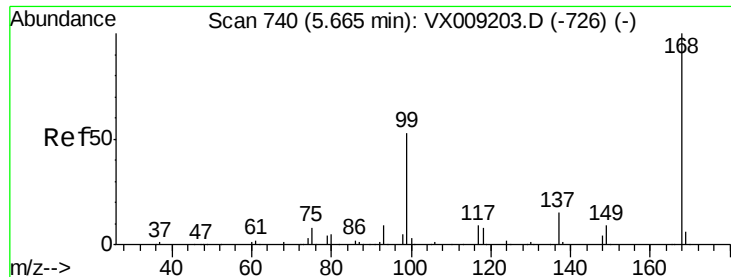
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051719\
Data File : VX009677.D
Acq On : 17 May 2019 21:16
Operator : JC/SP
Sample : K2891-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-538-540

Quant Time: May 18 04:53:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

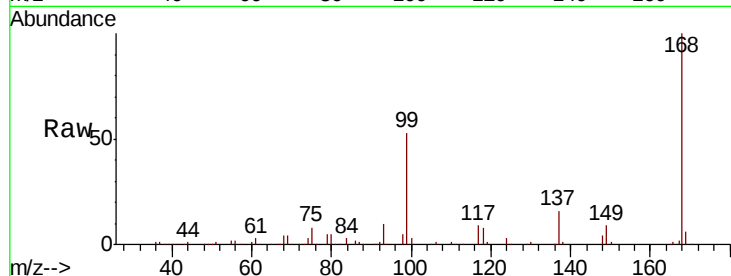
BP-VPB202-GW-538-540

Tot Ion:168 Resp: 161615

Ion Ratio Lower Upper

168 100

99 53.3 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

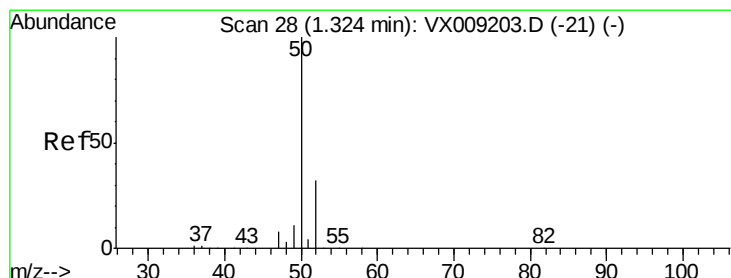
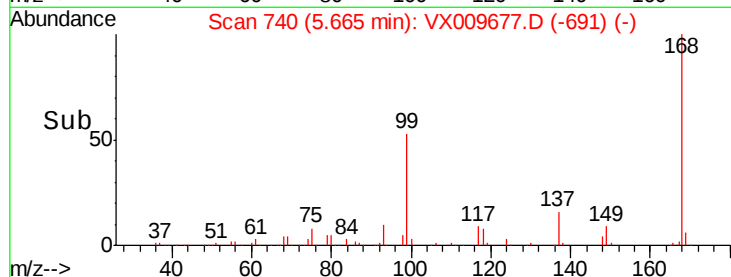
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.297 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009677.D

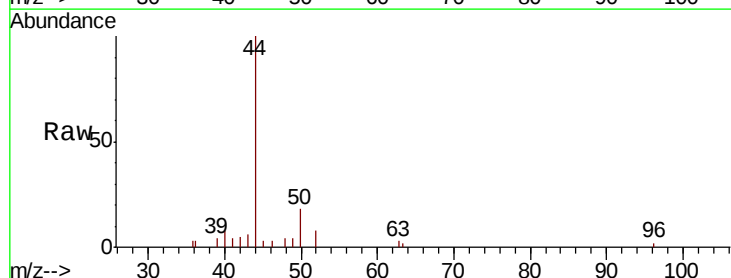
Acq: 17 May 2019 21:16

Tgt Ion: 50 Resp: 604

Ion Ratio Lower Upper

50 100

52 43.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

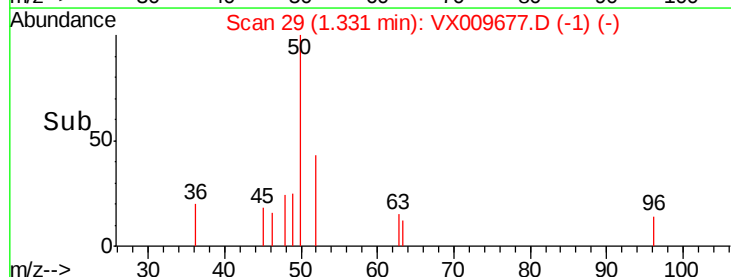
300

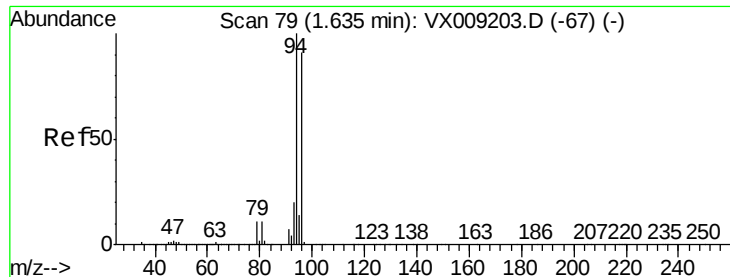
200

100

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: 0.231 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

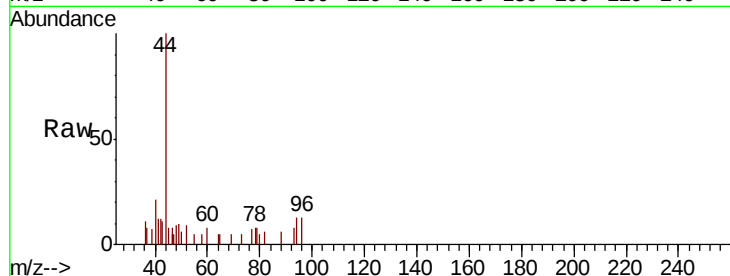
BP-VPB202-GW-538-540

Tot Ion: 94 Resp: 275

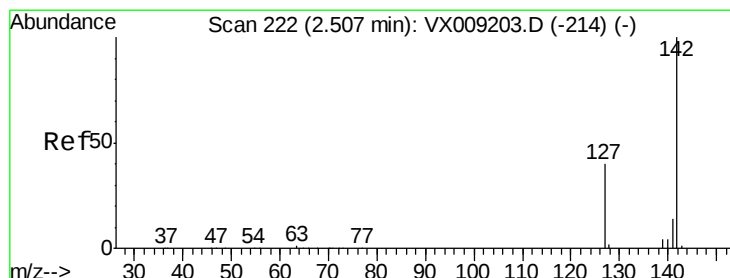
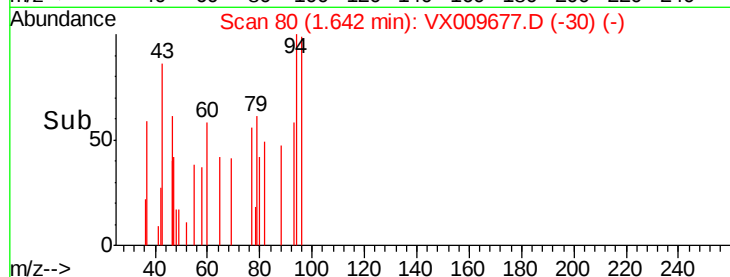
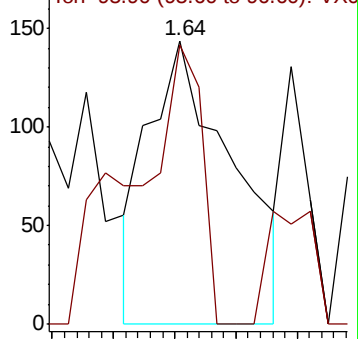
Ion Ratio Lower Upper

94 100

96 95.5 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 4.617 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

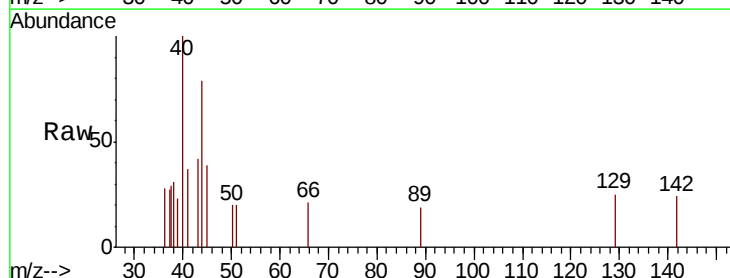
Tgt Ion: 142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

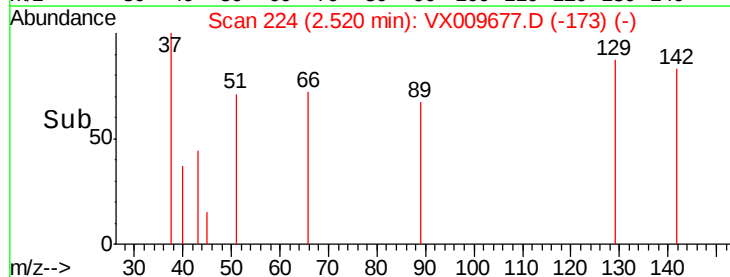
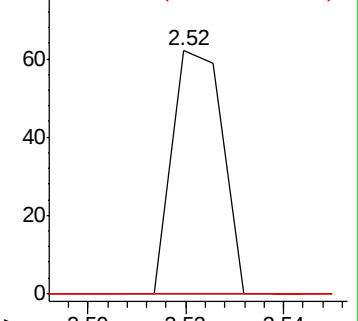
141 0.0 11.5 17.3#

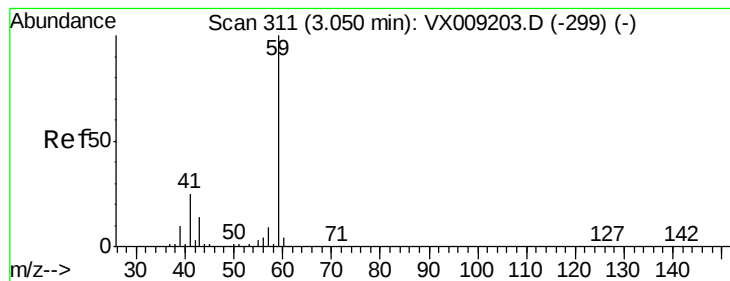


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



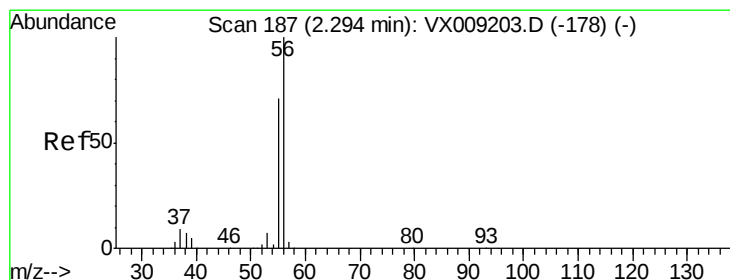
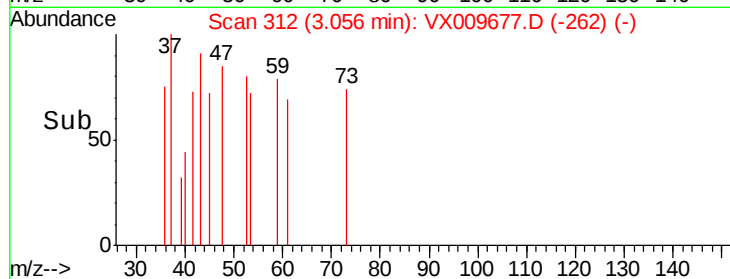
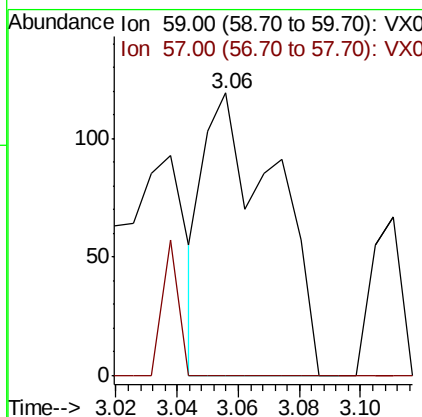
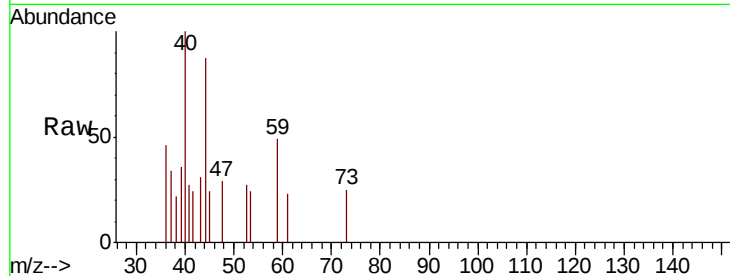


#11

Tert butyl alcohol
 Concen: 0.376 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009677.D
 Acq: 17 May 2019 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-538-540

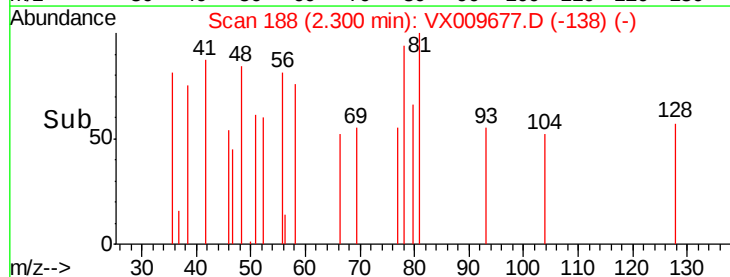
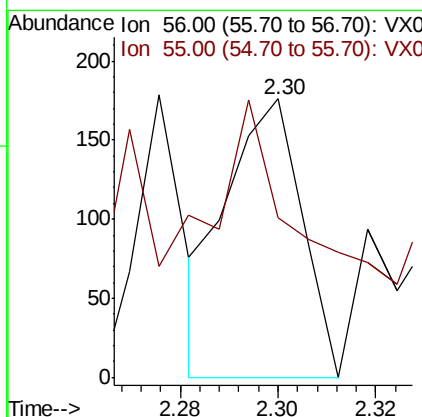
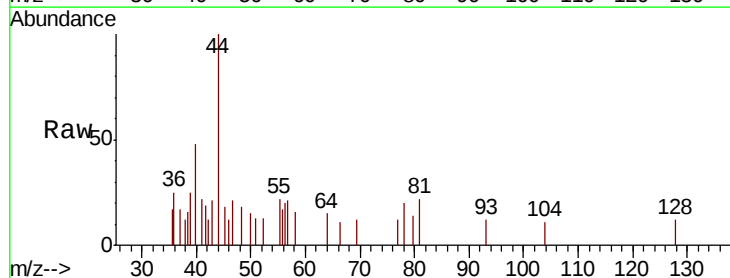
Tot Ion: 59 Resp: 192
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

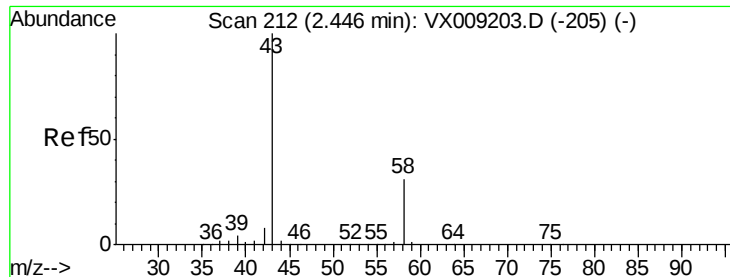


#13

Acrolein
 Concen: 0.404 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009677.D
 Acq: 17 May 2019 21:16

Tgt Ion: 56 Resp: 187
 Ion Ratio Lower Upper
 56 100
 55 134.8 56.6 85.0#





#16

Acetone

Concen: 7.906 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

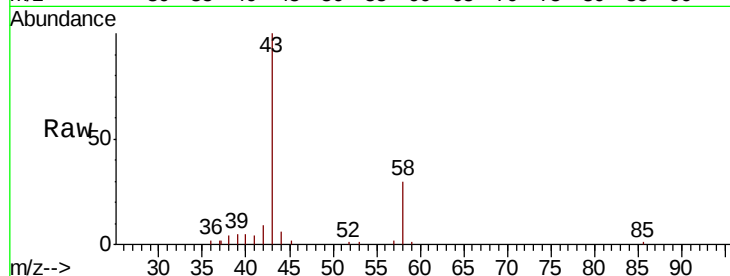
BP-VPB202-GW-538-540

Tot Ion: 43 Resp: 9366

Ion Ratio Lower Upper

43 100

58 30.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

6000

5000

4000

3000

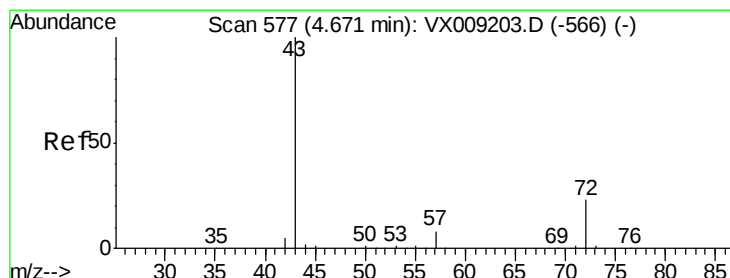
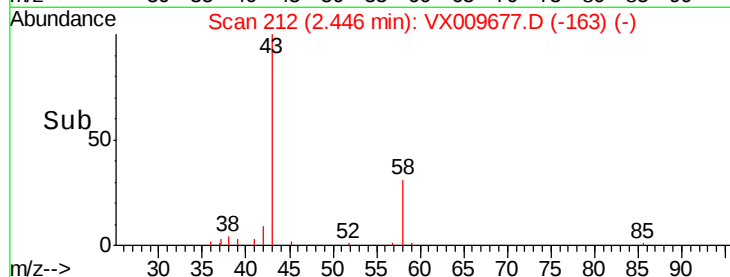
2000

1000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#25

2-Butanone

Concen: 1.297 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009677.D

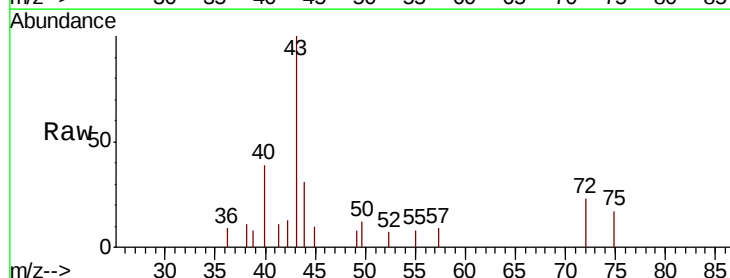
Acq: 17 May 2019 21:16

Tgt Ion: 43 Resp: 2388

Ion Ratio Lower Upper

43 100

72 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

800

600

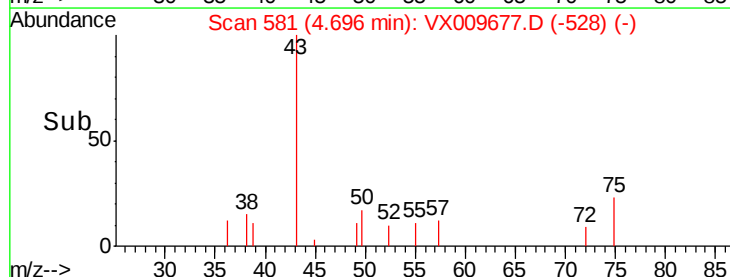
400

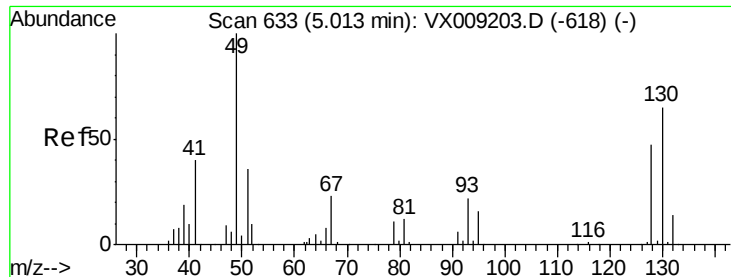
200

0

Time-->

4.60 4.65 4.70 4.75





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-538-540

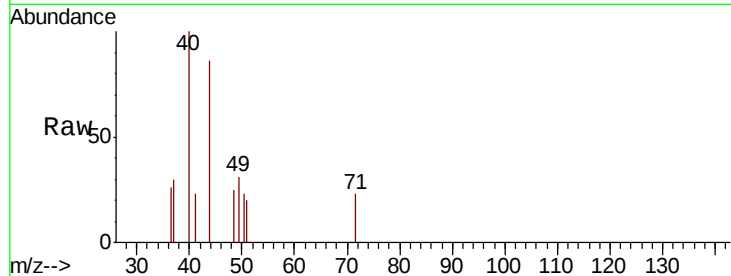
Tot Ion: 49 Resp: 137

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

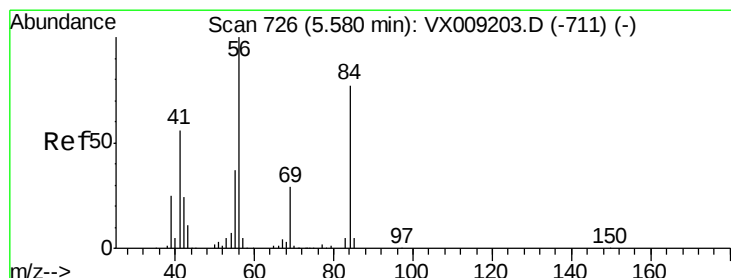
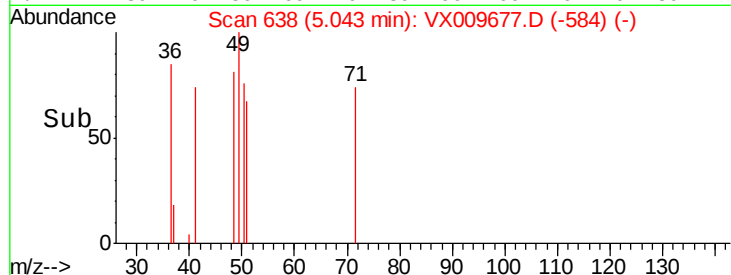
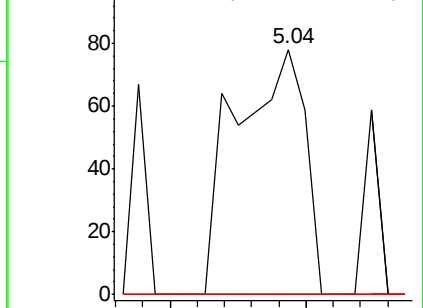
130 0.0 51.2 76.8#



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: 1.212 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

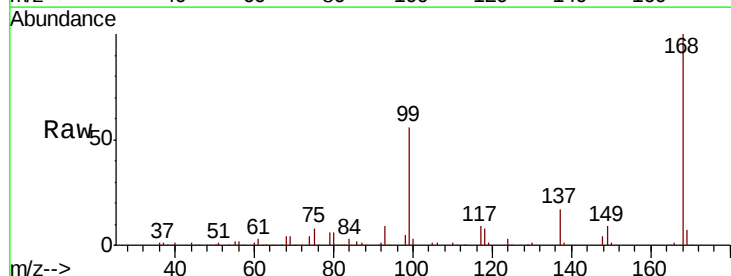
Tgt Ion: 56 Resp: 3953

Ion Ratio Lower Upper

56 100

69 172.7 23.4 35.0#

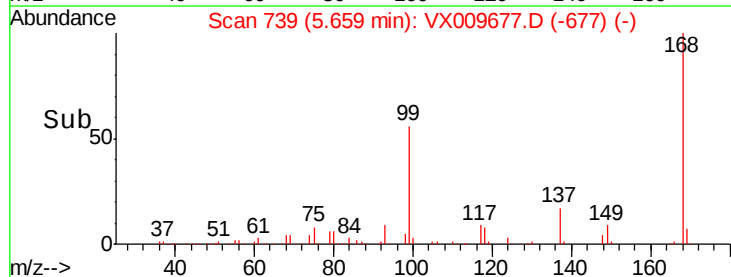
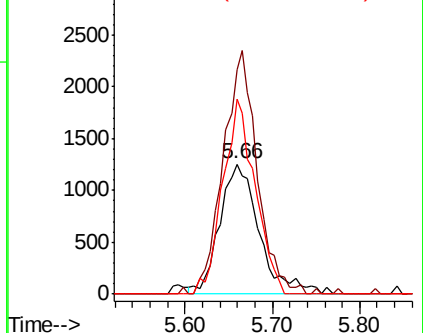
84 150.2 61.9 92.9#

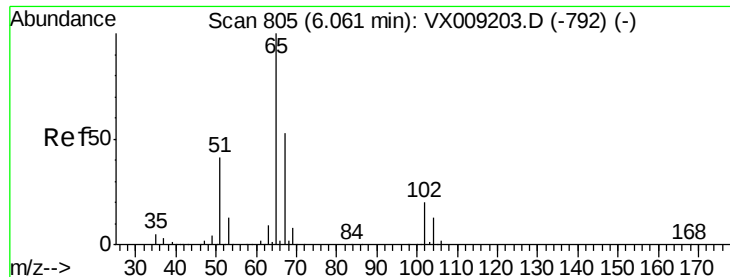


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.419 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

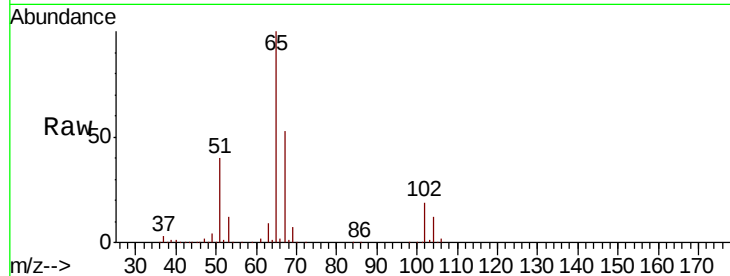
BP-VPB202-GW-538-540

Tot Ion: 65 Resp: 109031

Ion Ratio Lower Upper

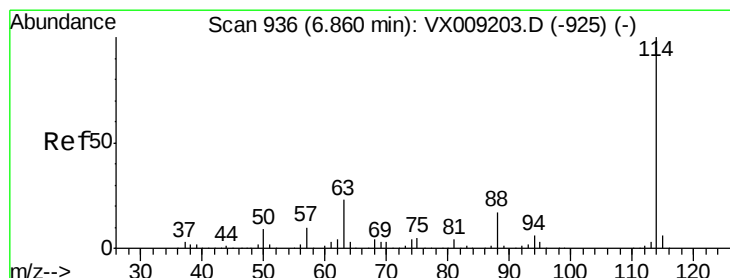
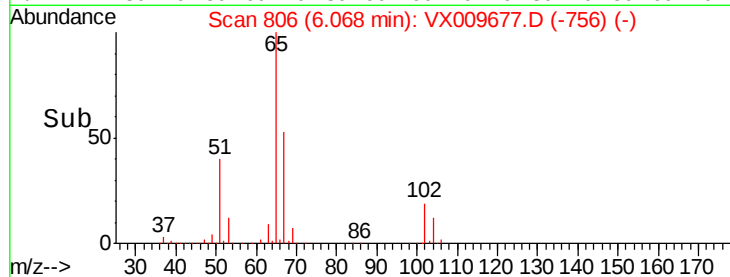
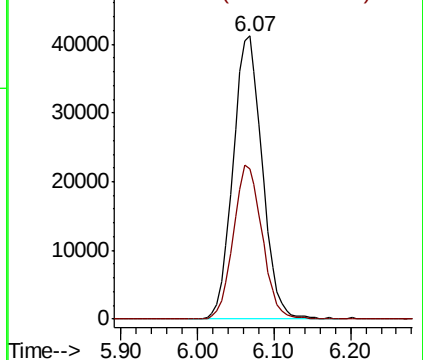
65 100

67 53.7 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: VX009677.D

Acq: 17 May 2019 21:16

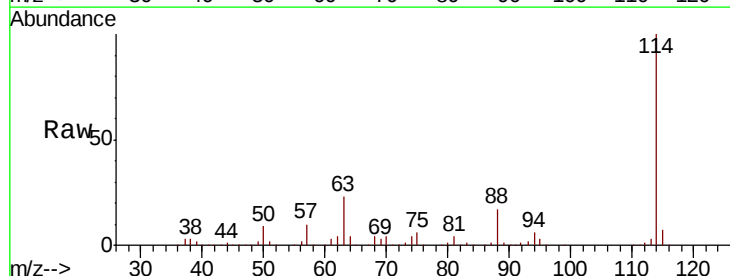
Tgt Ion: 114 Resp: 256466

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

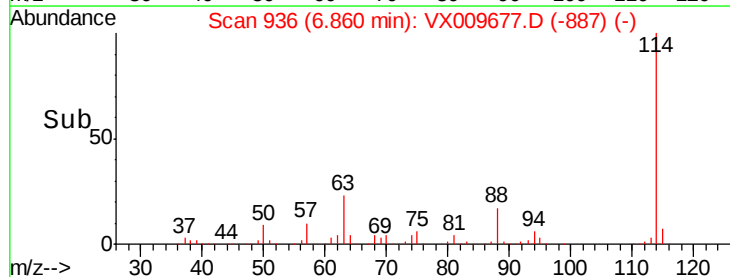
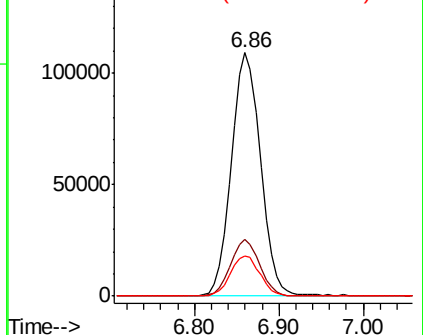
88 16.5 0.0 33.2

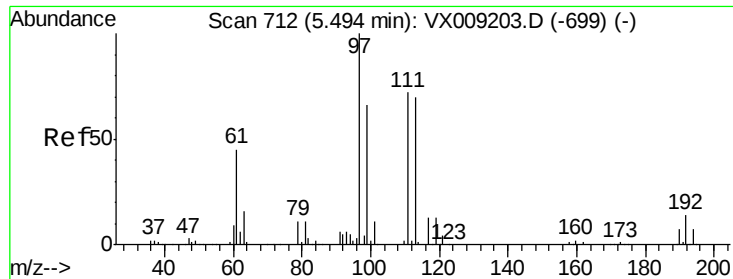


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

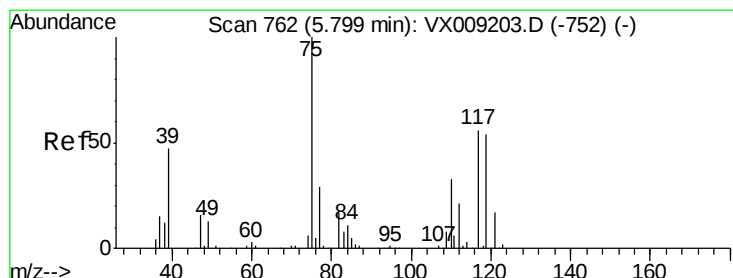
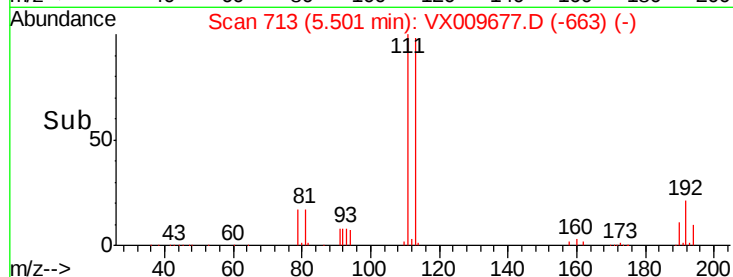
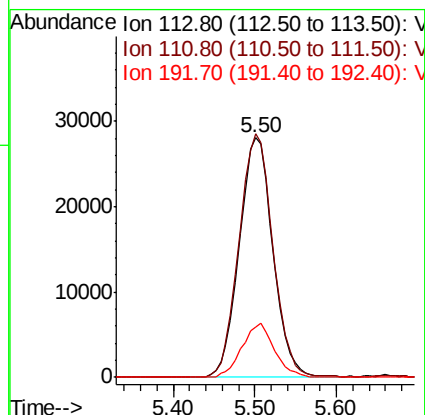
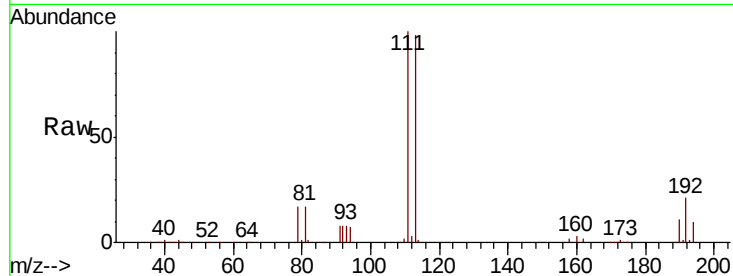




#35
Dibromofluoromethane
Concen: 49.902 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

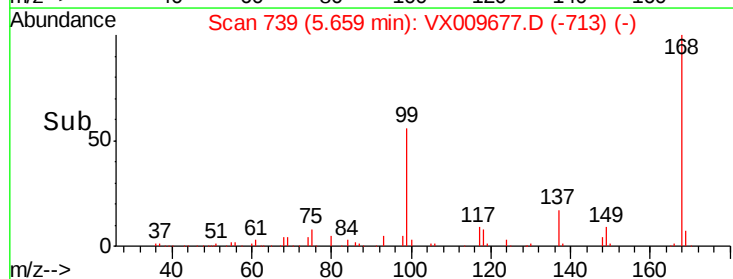
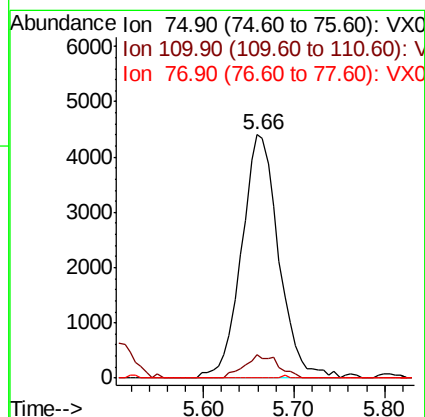
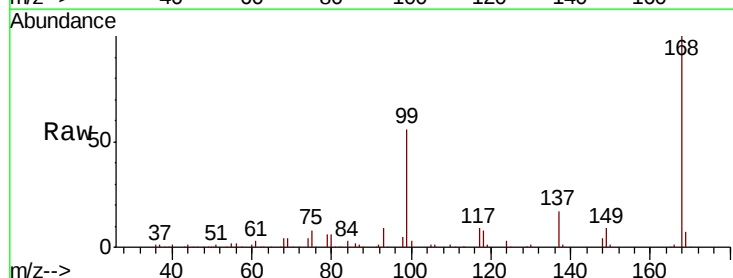
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-538-540

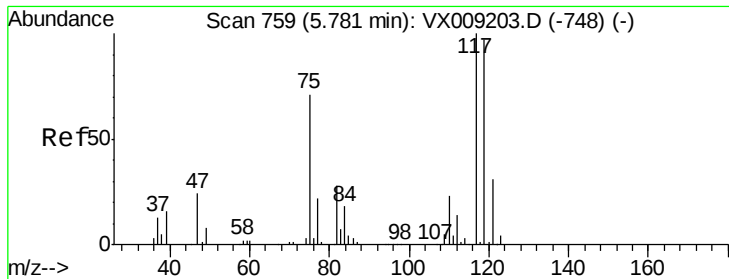
Tot Ion:113 Resp: 80455
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 21.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.253 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

Tgt Ion: 75 Resp: 12519
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.6#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.816 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-538-540

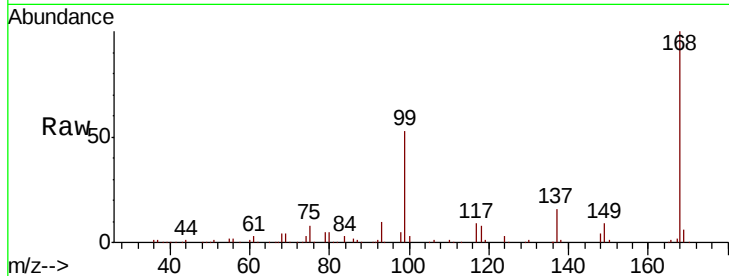
Tot Ion:117 Resp: 14759

Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

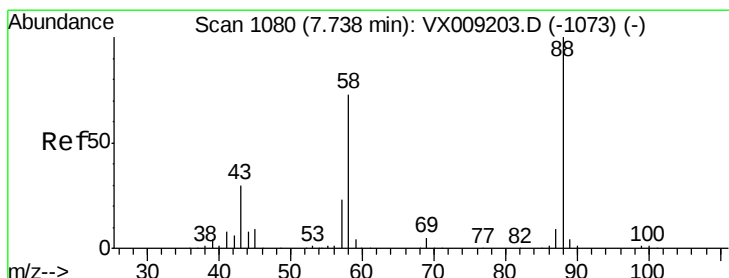
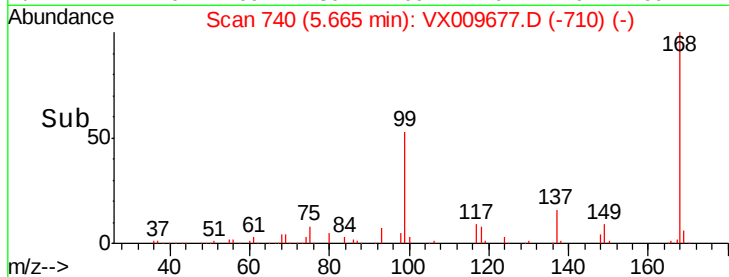
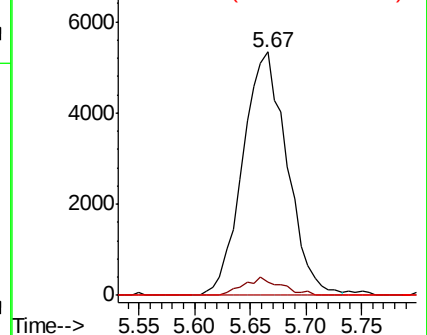
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.412 ug/l

RT: 7.80 min Scan# 1090

Delta R.T. 0.06 min

Lab File: VX009677.D

Acq: 17 May 2019 21:16

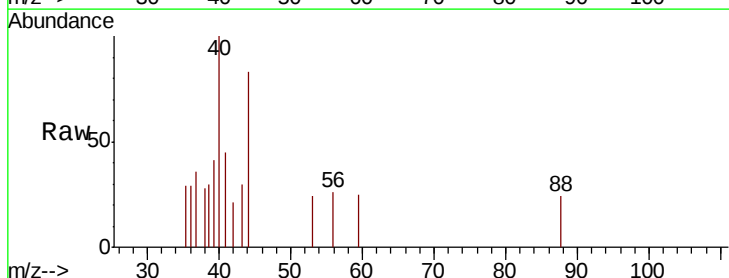
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 463.6 28.6 42.8#

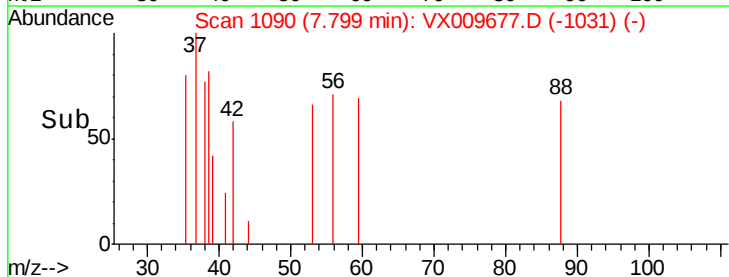
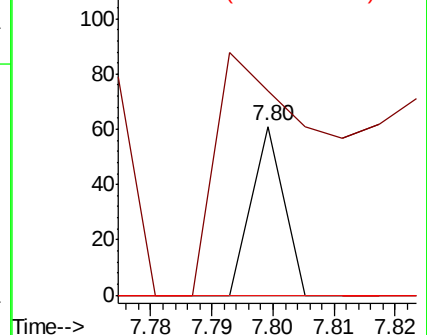
58 0.0 61.7 92.5#

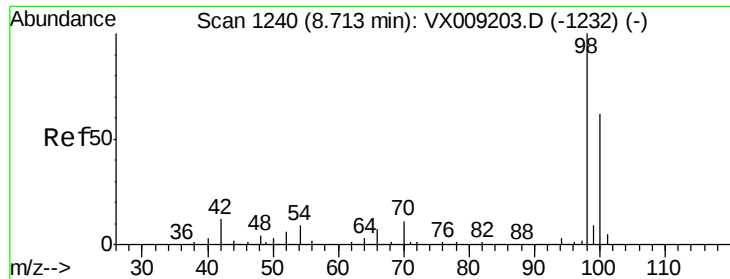


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

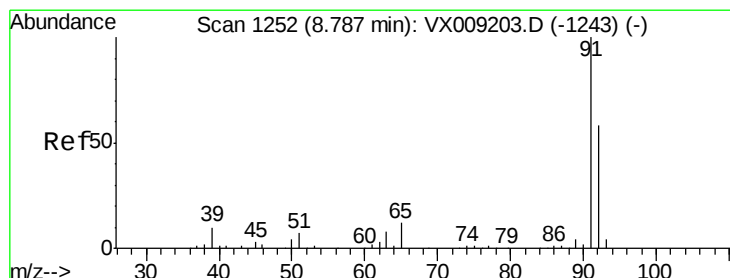
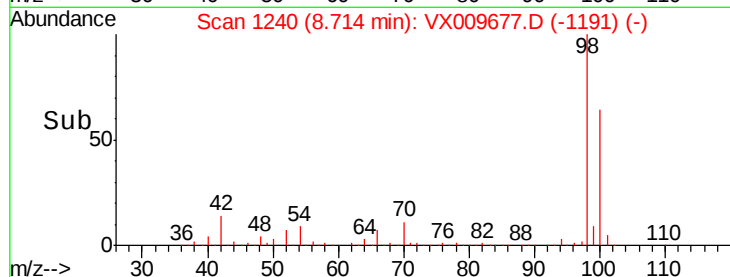
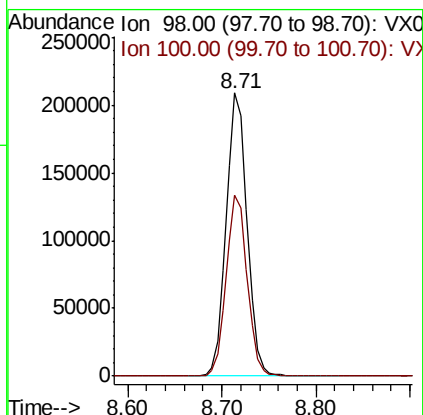
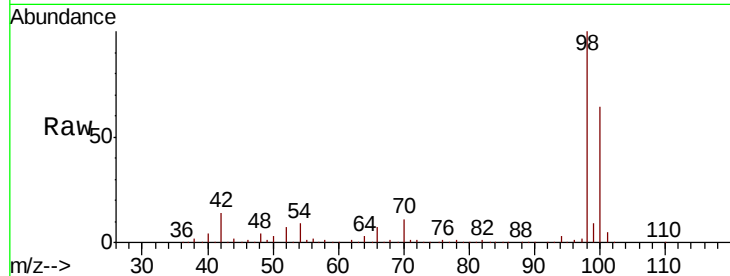




#50
Toluene-d8
Concen: 49.547 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

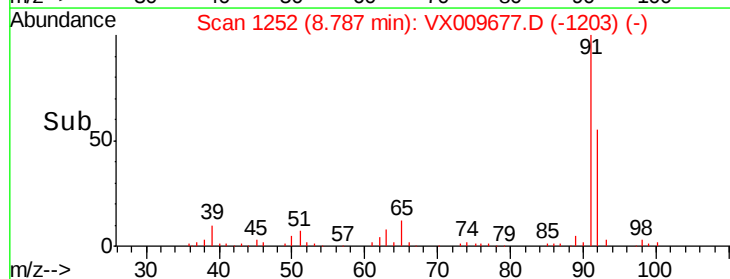
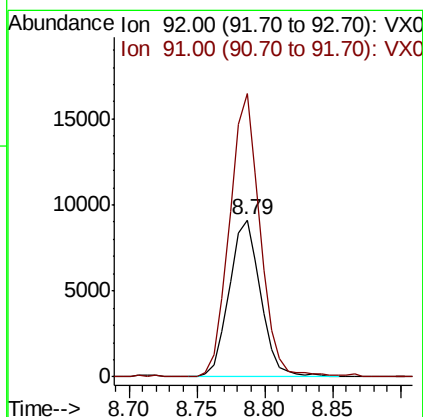
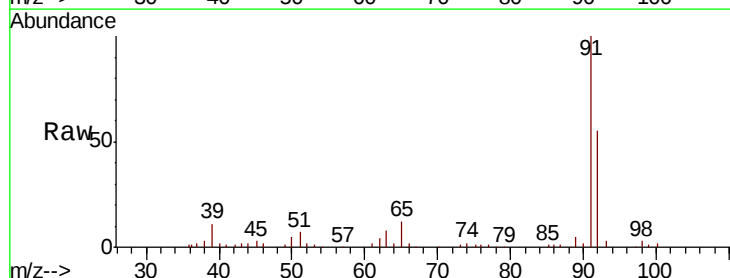
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-538-540

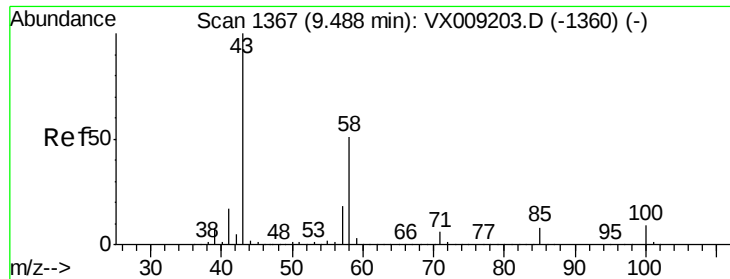
Tot Ion: 98 Resp: 322502
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#52
Toluene
Concen: 3.269 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

Tgt Ion: 92 Resp: 14659
Ion Ratio Lower Upper
92 100
91 174.9 138.8 208.2

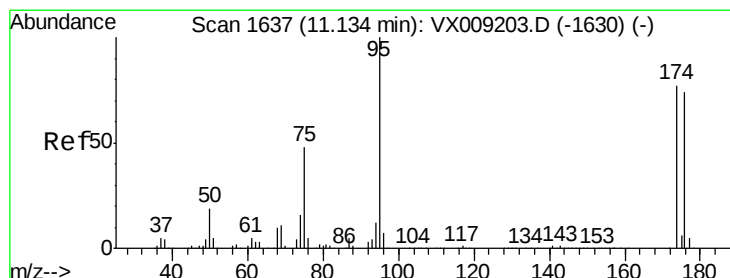
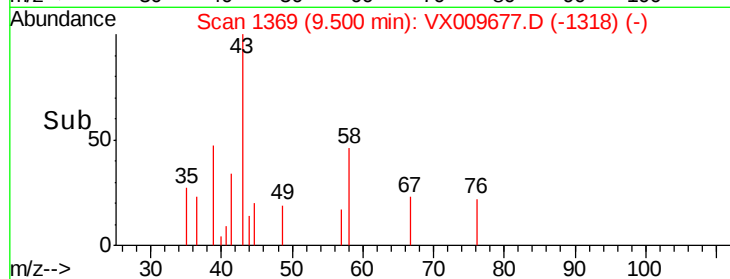
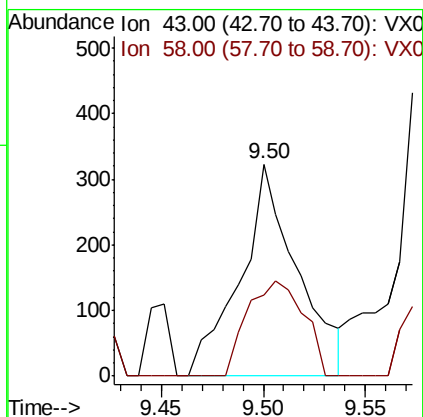
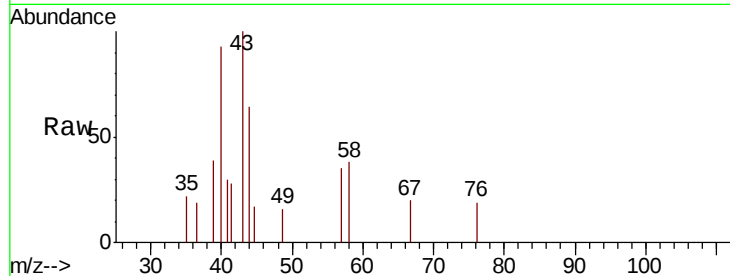




#59
2-Hexanone
Concen: 0.231 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

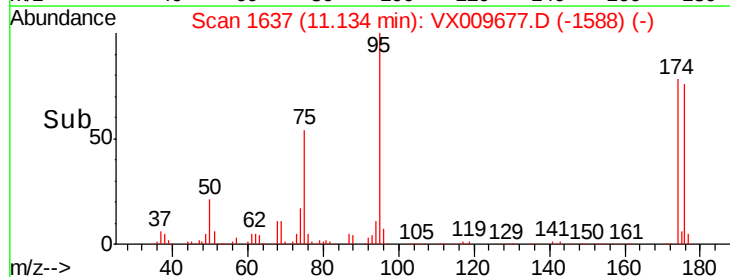
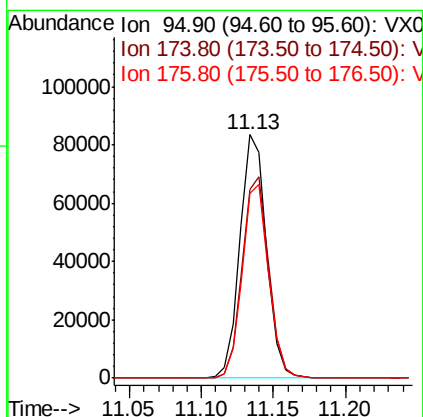
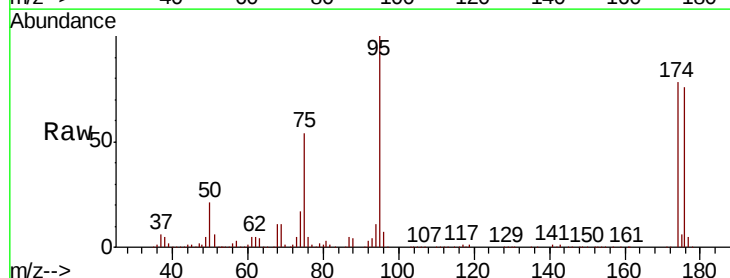
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-538-540

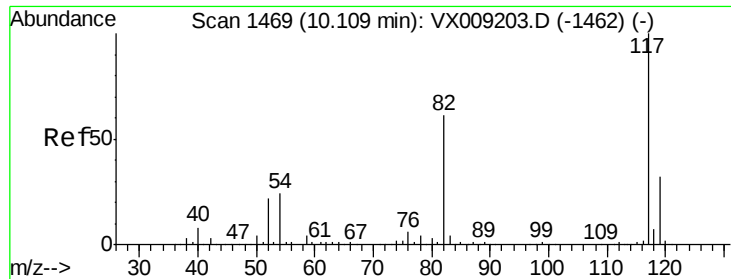
Tot Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 44.3 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 45.162 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

Tgt Ion: 95 Resp: 106814
Ion Ratio Lower Upper
95 100
174 82.9 0.0 161.6
176 79.2 0.0 159.2

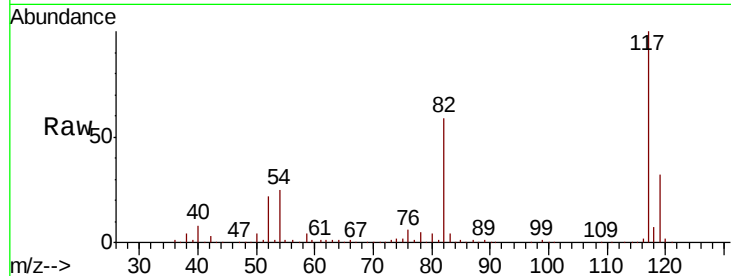




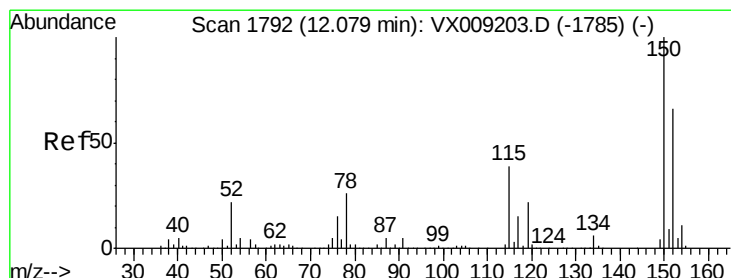
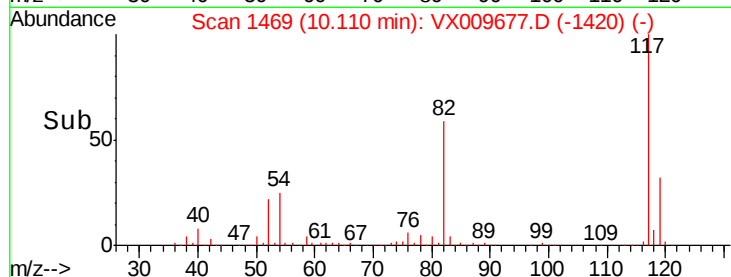
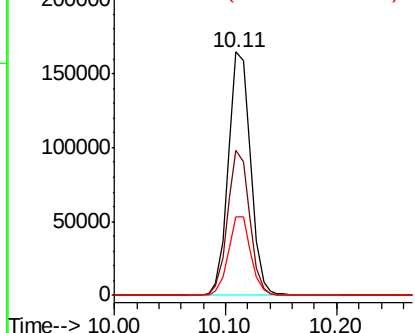
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-538-540

Tot Ion:117 Resp: 227879
Ion Ratio Lower Upper
117 100
82 59.5 48.8 73.2
119 32.0 25.8 38.6

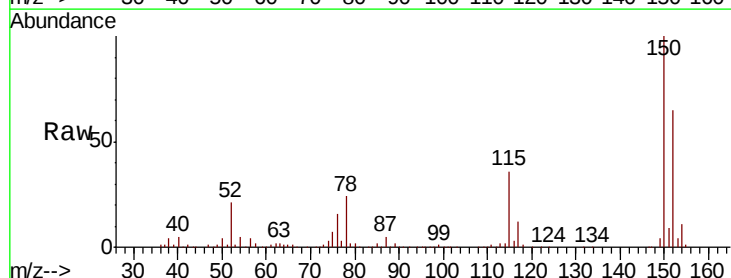


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

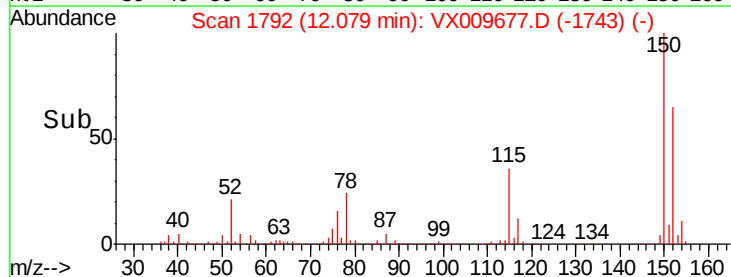
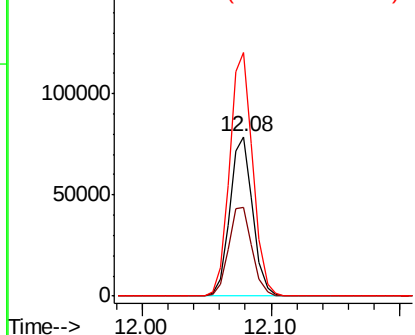


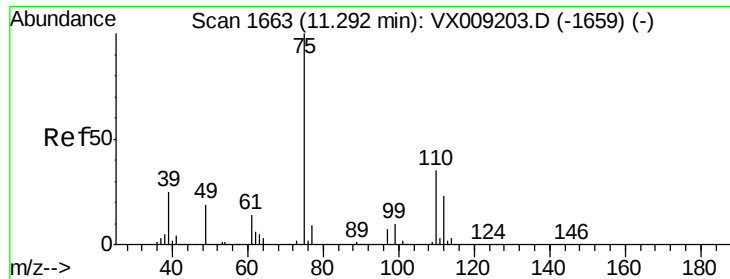
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009677.D
Acq: 17 May 2019 21:16

Tgt Ion:152 Resp: 97483
Ion Ratio Lower Upper
152 100
115 57.8 41.2 123.6
150 155.4 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

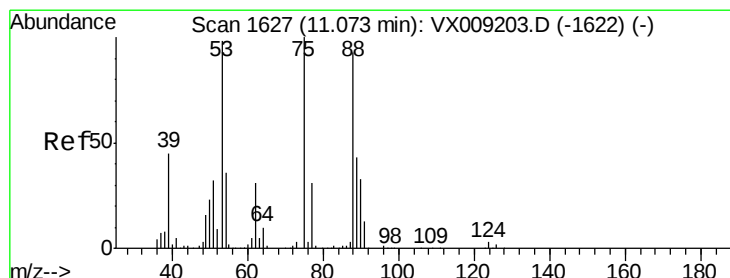
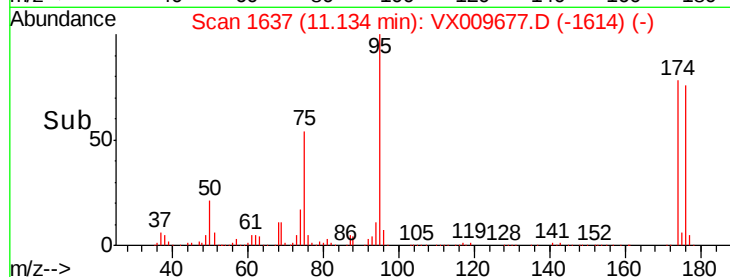
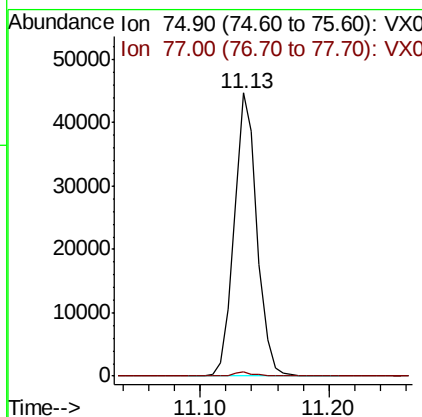
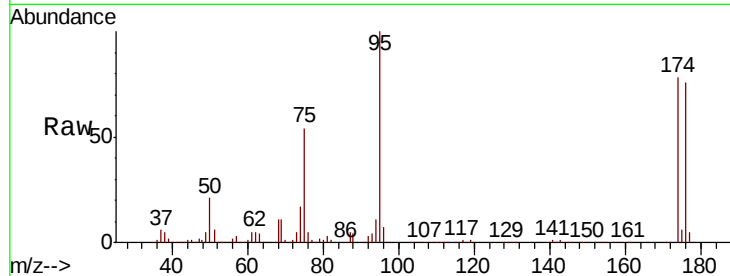




#76
 1,2,3-Trichloropropane
 Concen: 24.363 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009677.D
 Acq: 17 May 2019 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-538-540

Tot Ion: 75 Resp: 55091
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.336 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009677.D
 Acq: 17 May 2019 21:16

Tgt Ion: 75 Resp: 55091
 Ion Ratio Lower Upper
 75 100
 53 0.3 79.0 118.6#
 89 0.0 34.7 52.1#

