

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\  
 Data File : VX010638.D  
 Acq On : 03 Jul 2019 14:28  
 Operator : JC/SP  
 Sample : K3635-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1

Quant Time: Jul 08 14:44:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 03:31:56 2019  
 Response via : Initial Calibration

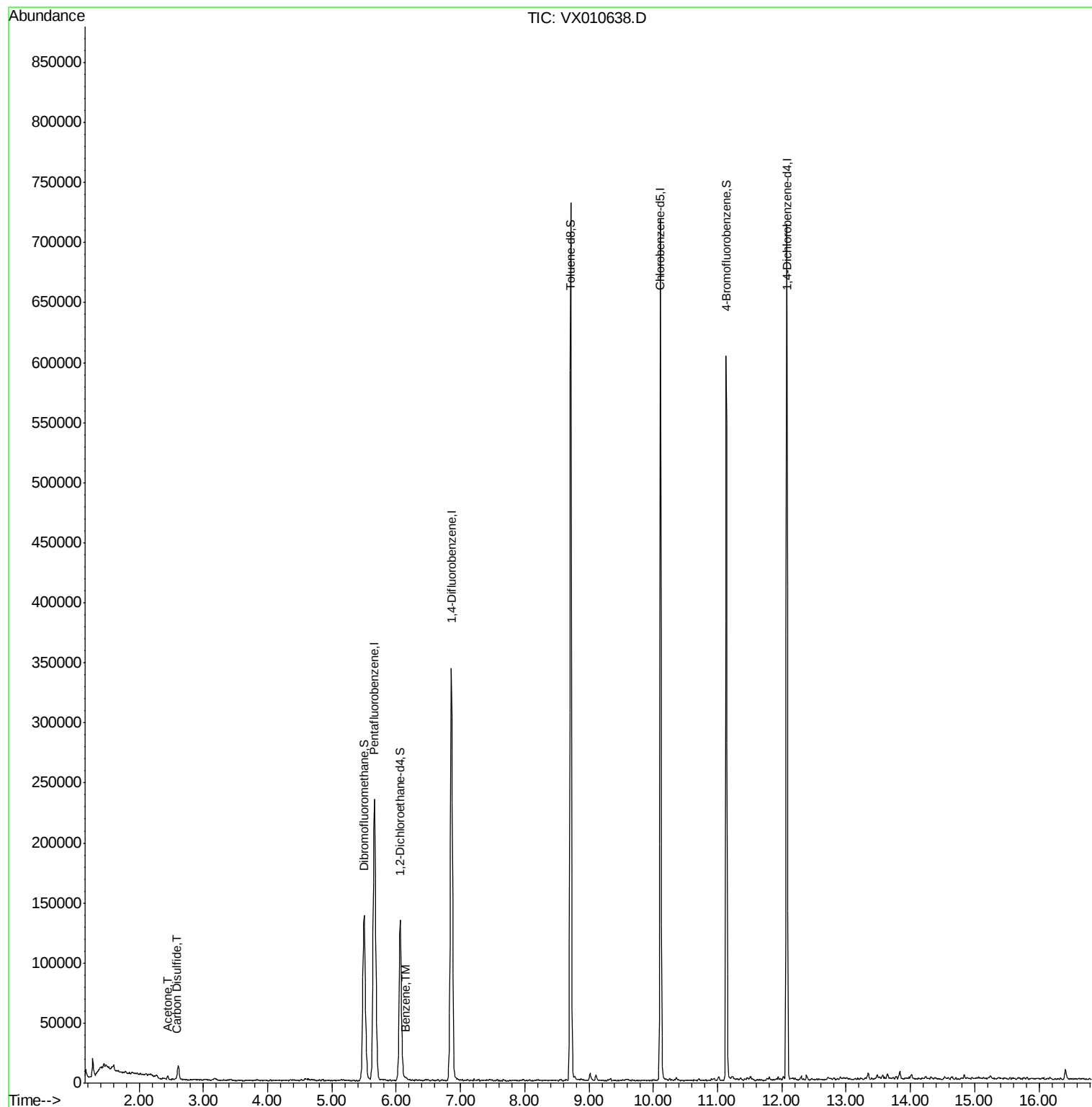
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 244553   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 373695   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 340230   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 155329   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 121694   | 53.07 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.14% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 117009   | 51.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.36% |          |
| 50) Toluene-d8              | 8.71  | 98   | 444442   | 50.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.62% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 149331   | 47.29 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.58%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 3740     | 3.255 | ug/l    | 94       |
| 17) Carbon Disulfide        | 2.57  | 76   | 2073     | 0.365 | ug/l #  | 85       |
| 40) Benzene                 | 6.15  | 78   | 2568     | 0.278 | ug/l    | 91       |

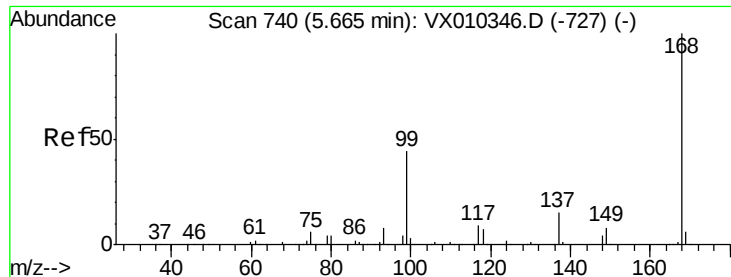
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-1

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Quant Title : SW846 8260  
QLast Update : Thu Jun 20 03:31:56 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: VX010638.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA\_X

ClientSampled :

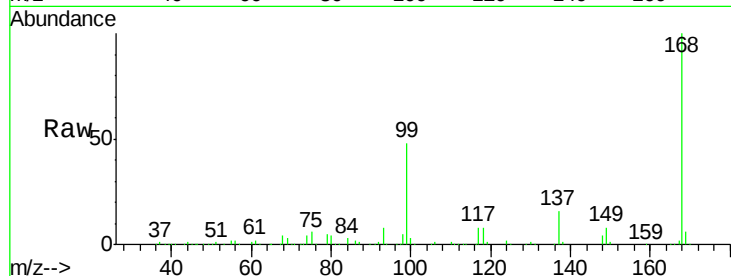
MW-1

Tot Ion:168 Resp: 244553

Ion Ratio Lower Upper

168 100

99 47.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

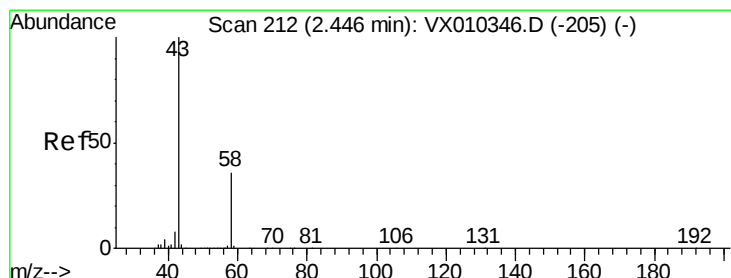
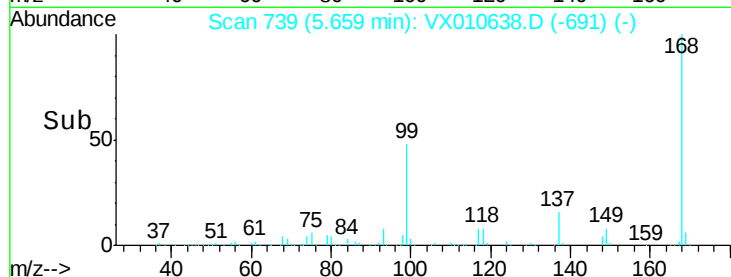
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.255 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010638.D

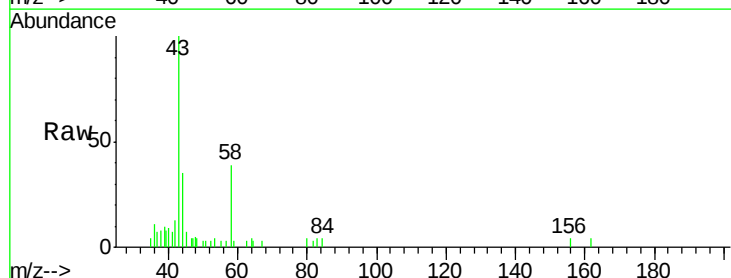
Acq: 03 Jul 2019 14:28

Tgt Ion: 43 Resp: 3740

Ion Ratio Lower Upper

43 100

58 39.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

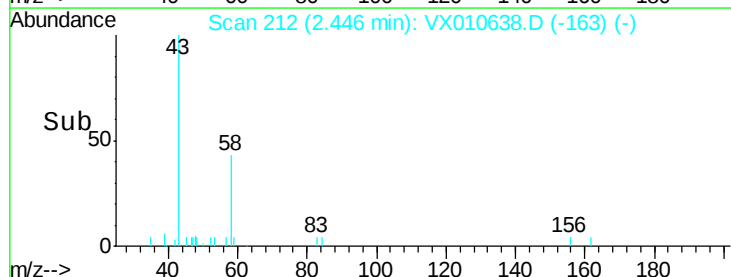
1500

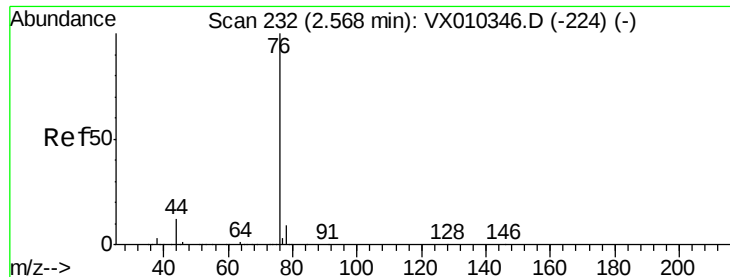
1000

500

0

Time--> 2.30 2.40 2.50





#17

Carbon Disulfide

Concen: 0.365 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010638.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA\_X

ClientSampled :

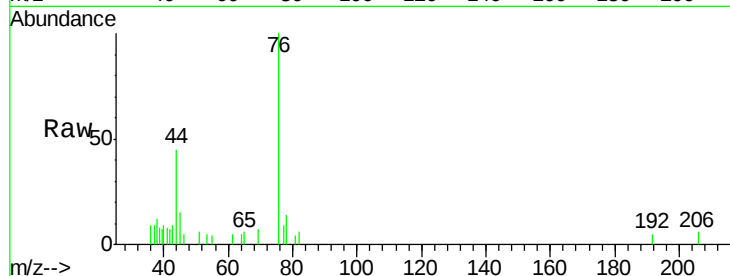
MW-1

Tot Ion: 76 Resp: 2073

Ion Ratio Lower Upper

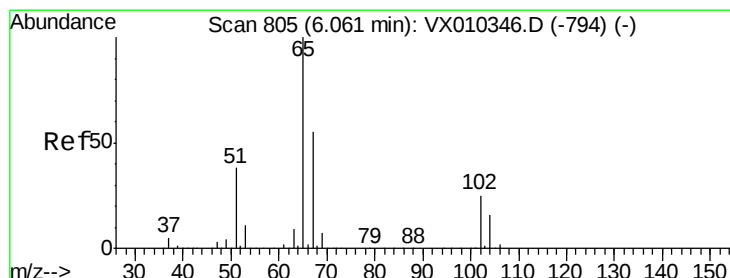
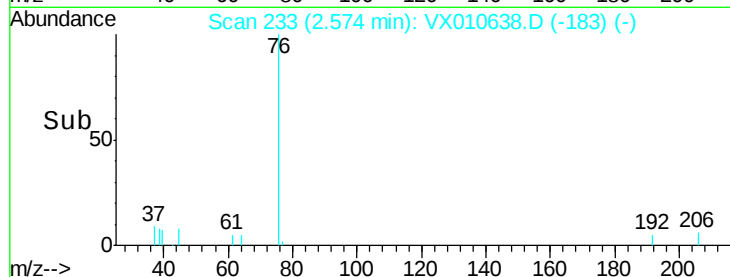
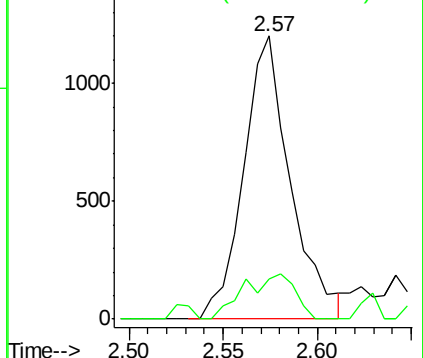
76 100

78 14.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.074 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010638.D

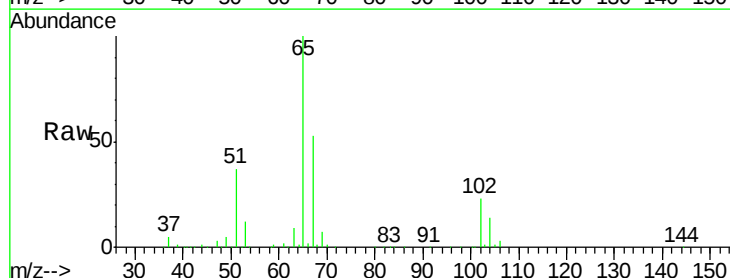
Acq: 03 Jul 2019 14:28

Tgt Ion: 65 Resp: 121694

Ion Ratio Lower Upper

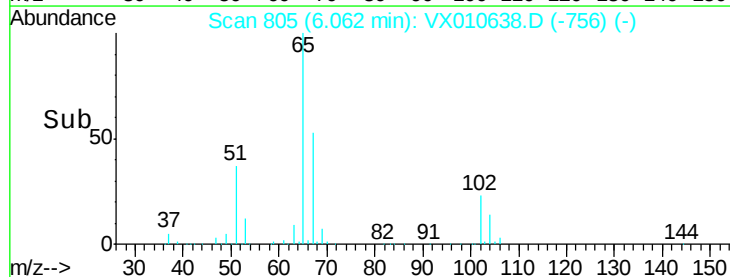
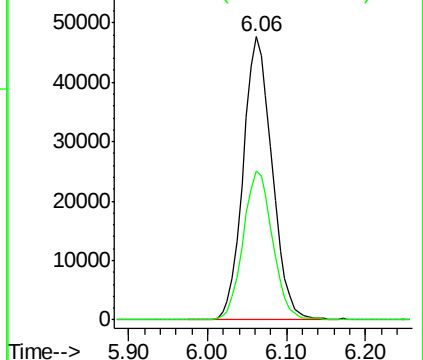
65 100

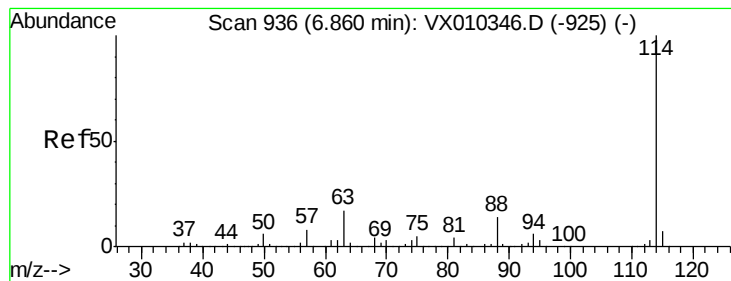
67 53.7 0.0 110.2



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: VX010638.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

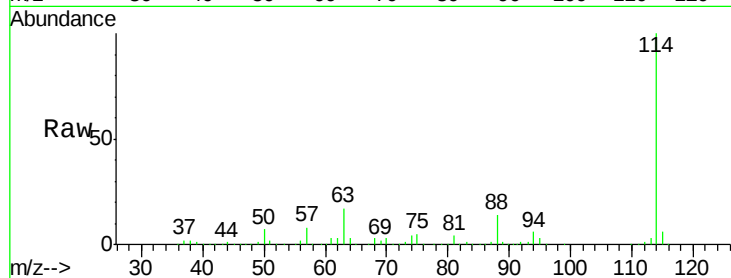
Tot Ion:114 Resp: 373695

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

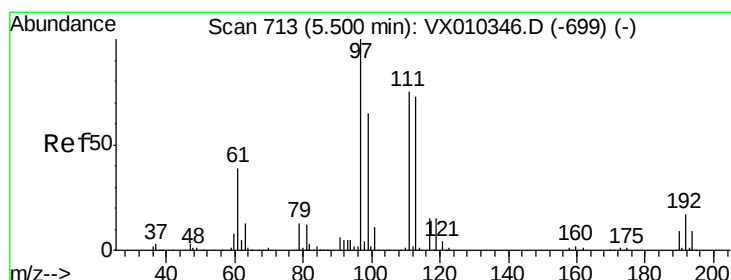
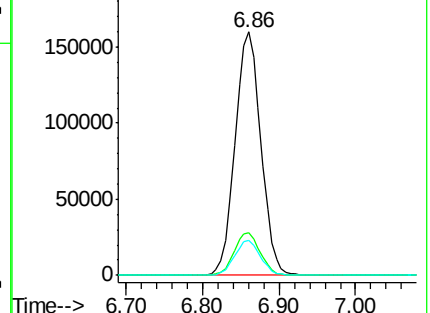
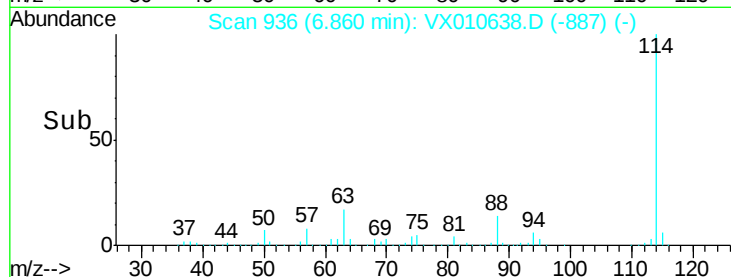
88 14.2 0.0 27.6



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: 51.176 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010638.D

Acq: 03 Jul 2019 14:28

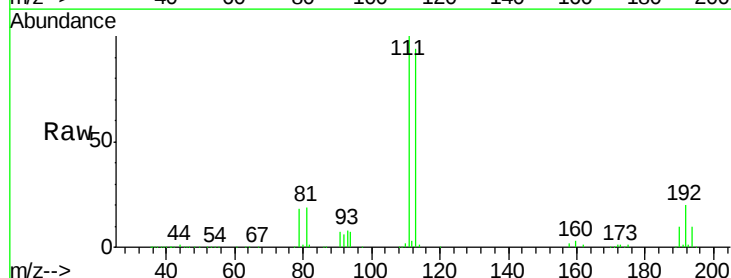
Tgt Ion:113 Resp: 117009

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

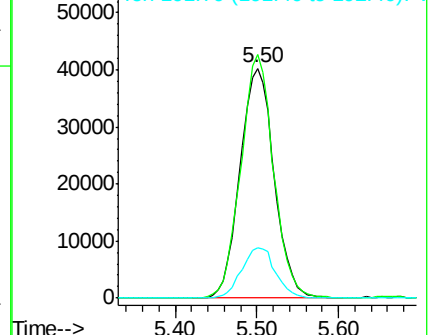
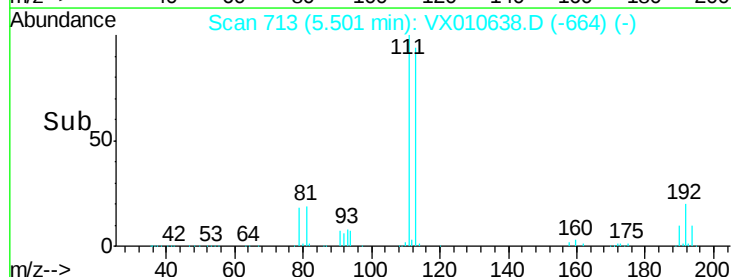
192 21.8 18.6 27.8

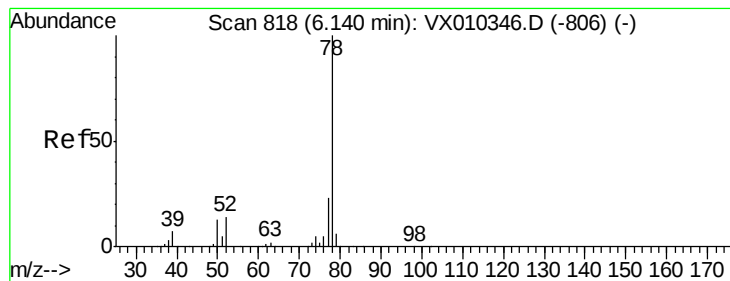


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.278 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010638.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA\_X

ClientSampleId :

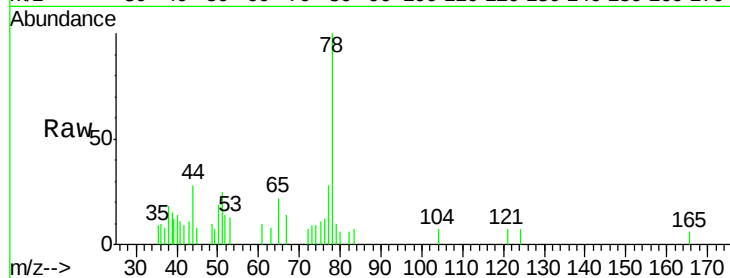
MW-1

Tot Ion: 78 Resp: 2568

Ion Ratio Lower Upper

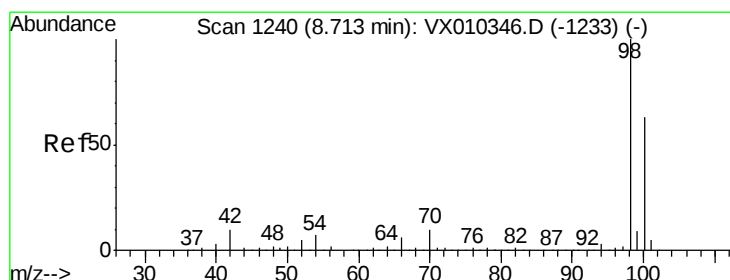
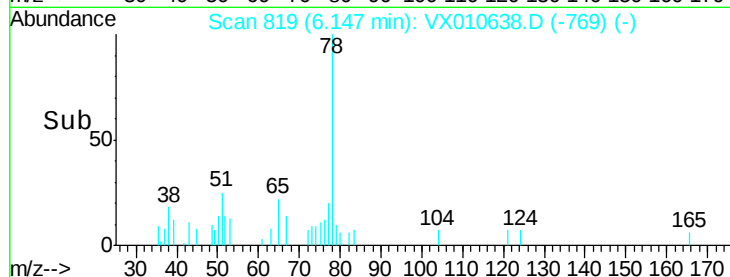
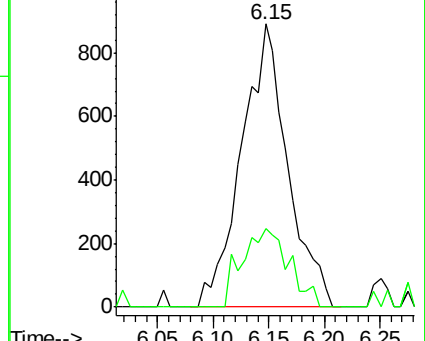
78 100

77 27.7 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.809 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010638.D

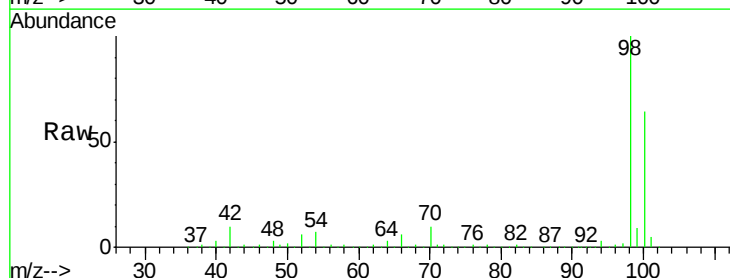
Acq: 03 Jul 2019 14:28

Tgt Ion: 98 Resp: 444442

Ion Ratio Lower Upper

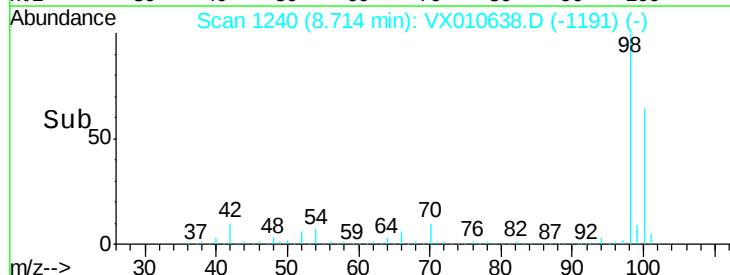
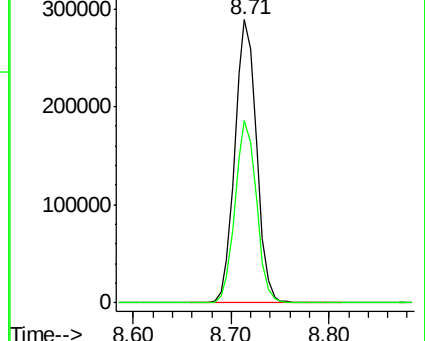
98 100

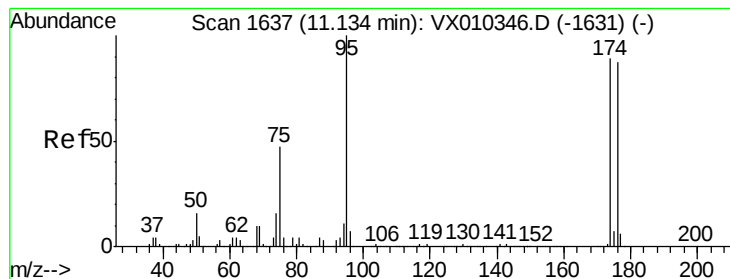
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.286 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010638.D

Acq: 03 Jul 2019 14:28

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

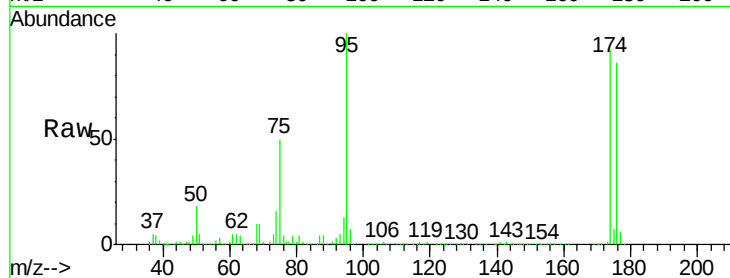
Tot Ion: 95 Resp: 149331

Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.6

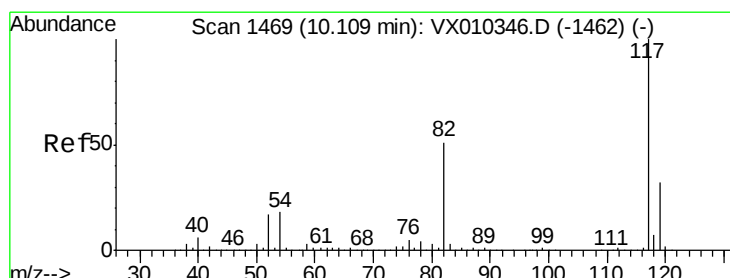
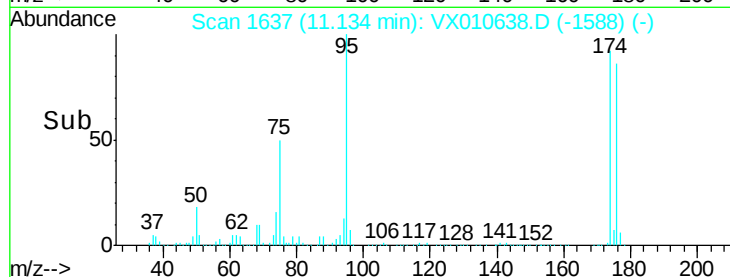
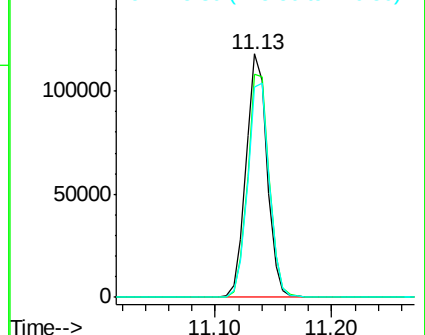
176 90.8 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010638.D

Acq: 03 Jul 2019 14:28

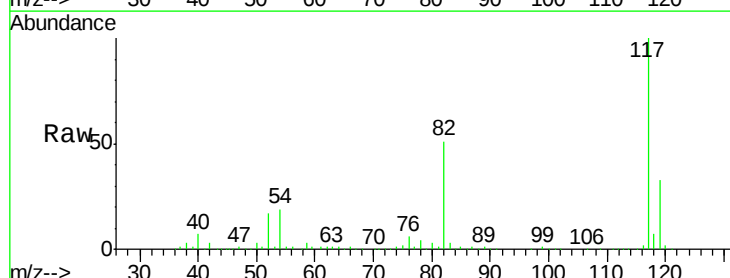
Tgt Ion: 117 Resp: 340230

Ion Ratio Lower Upper

117 100

82 51.5 41.2 61.8

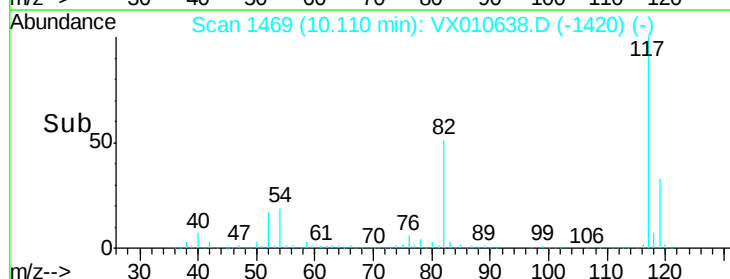
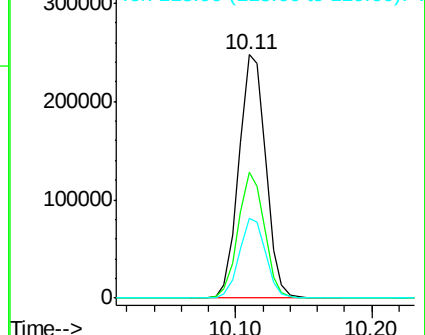
119 32.8 25.5 38.3

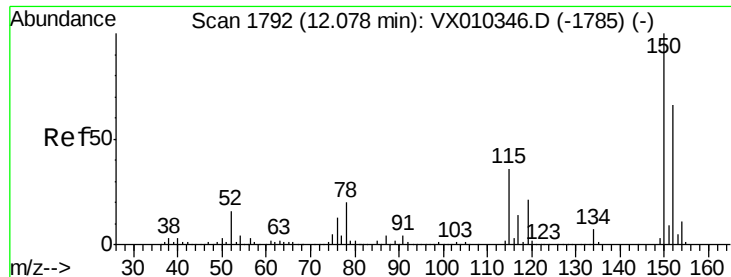


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

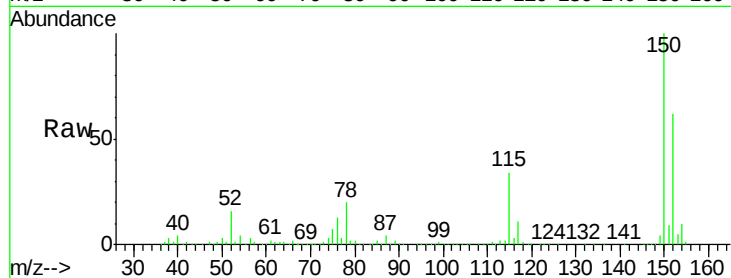




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX010638.D  
 Acq: 03 Jul 2019 14:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1

Tot Ion:152 Resp: 155329  
 Ion Ratio Lower Upper  
 152 100  
 115 54.7 38.6 115.7  
 150 158.6 0.0 347.4



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

