

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\  
 Data File : VX010126.D  
 Acq On : 07 Jun 2019 22:07  
 Operator : JC/SP  
 Sample : K3221-13DL 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW301S-20190605DL

Quant Time: Jun 08 04:08:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 318175   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 482171   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 431161   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 202139   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 143614   | 46.24 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.48%  |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 149429   | 50.24 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.48% |      |
| 50) Toluene-d8              | 8.71   | 98  | 569252   | 51.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.14% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 200145   | 48.08 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.16%  |      |

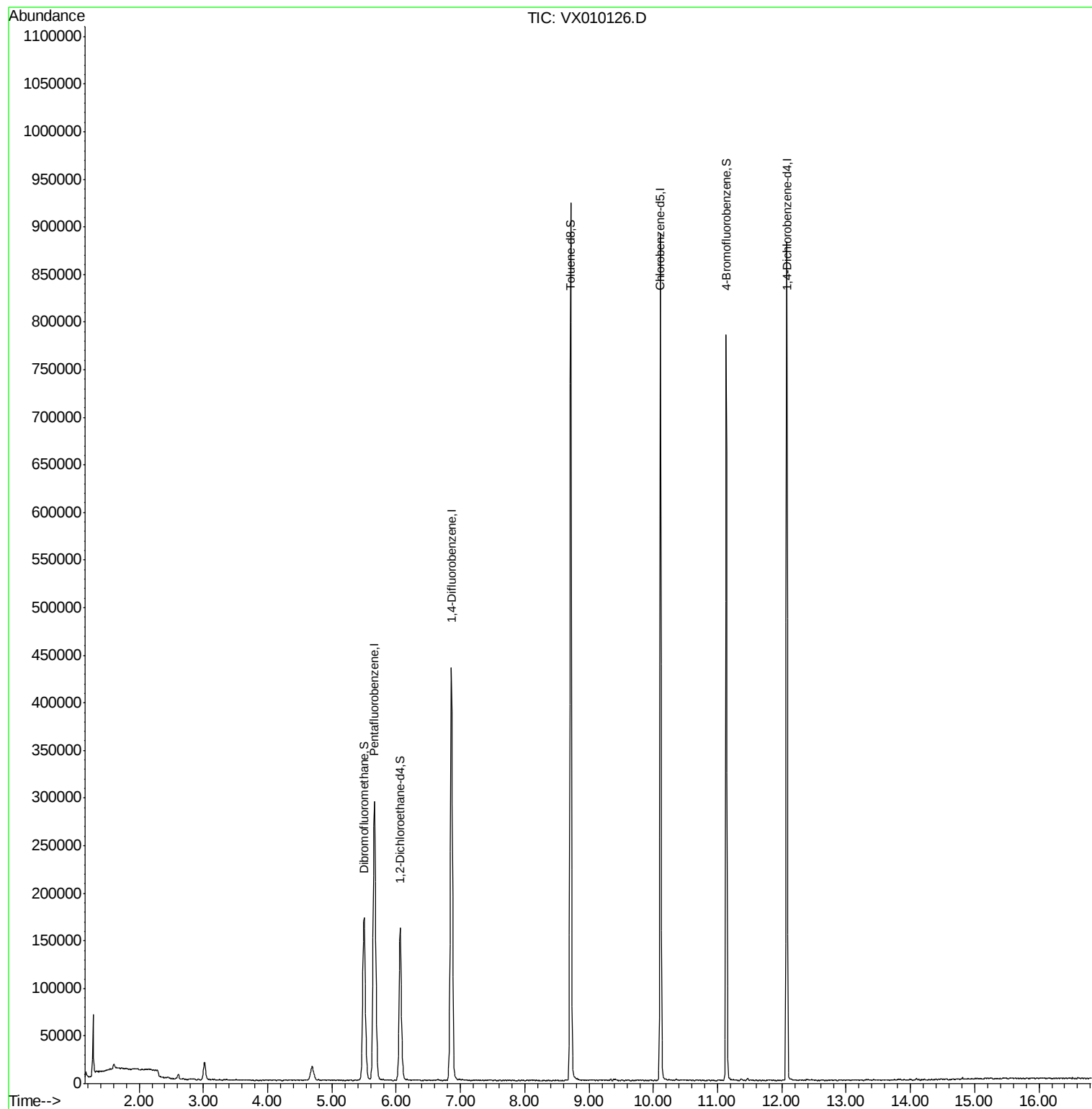
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

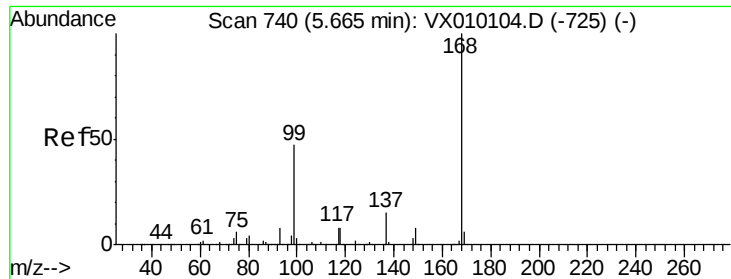
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060719\  
Data File : VX010126.D  
Acq On : 07 Jun 2019 22:07  
Operator : JC/SP  
Sample : K3221-13DL 10X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW301S-20190605DL

Quant Time: Jun 08 04:08:31 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 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: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA\_X

ClientSampleId :

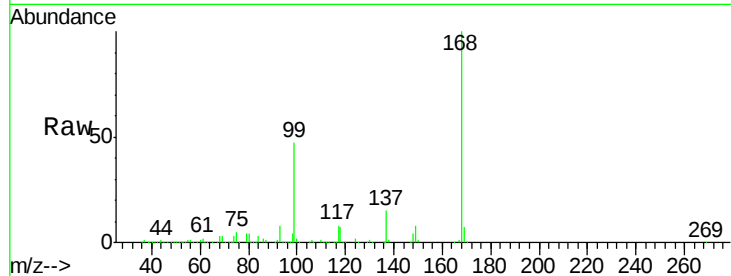
BPS1-TT-MW301S-20190605DL

Tot Ion:168 Resp: 318175

Ion Ratio Lower Upper

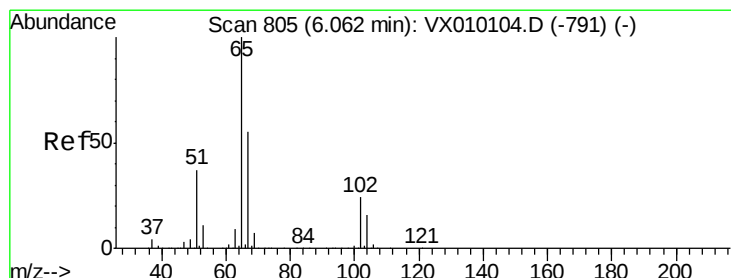
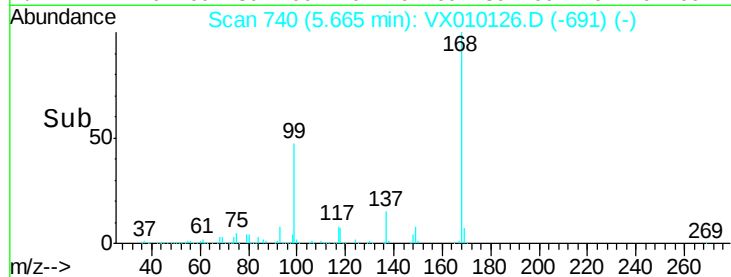
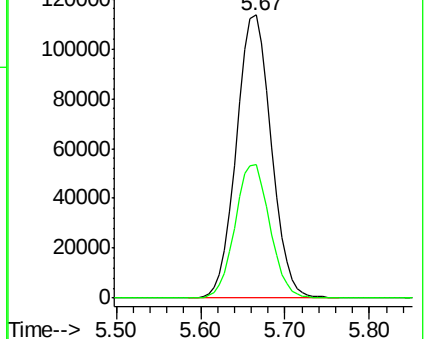
168 100

99 47.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.241 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010126.D

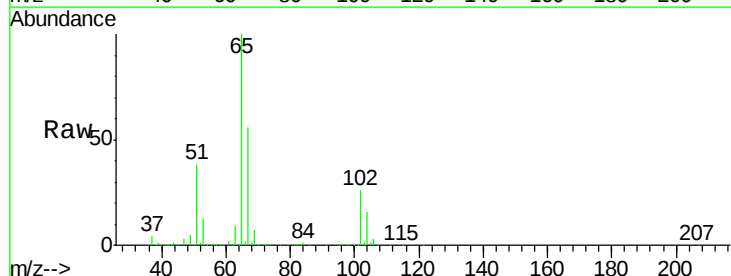
Acq: 07 Jun 2019 22:07

Tgt Ion: 65 Resp: 143614

Ion Ratio Lower Upper

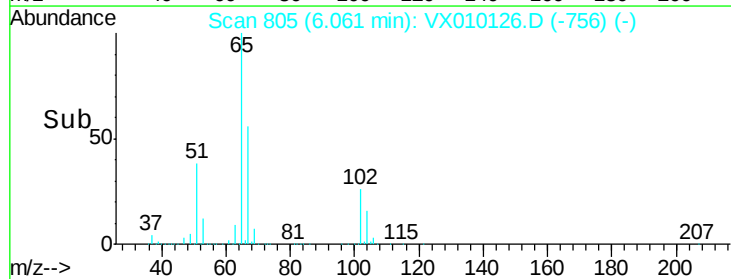
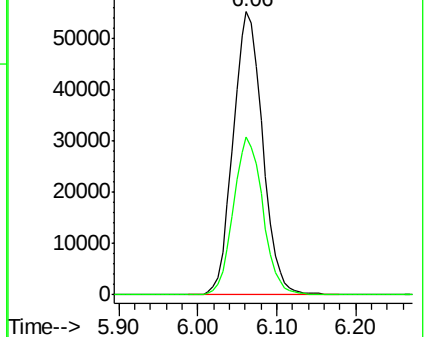
65 100

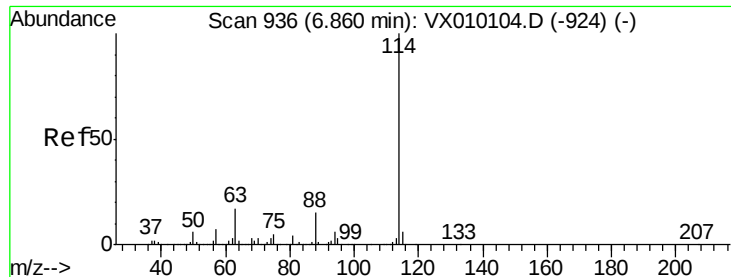
67 55.3 0.0 108.4



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: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW301S-20190605DL

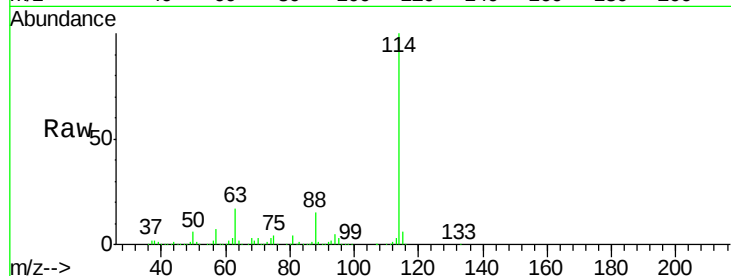
Tot Ion:114 Resp: 482171

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

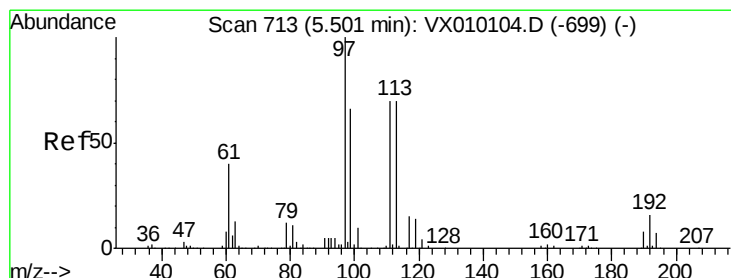
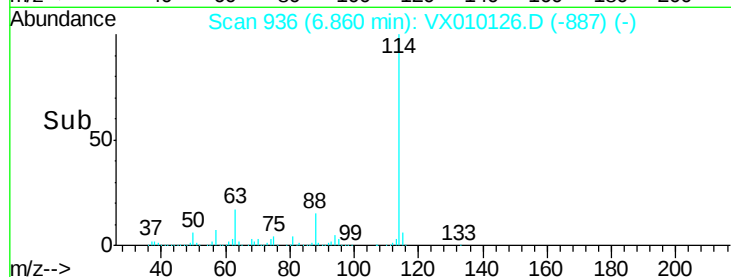
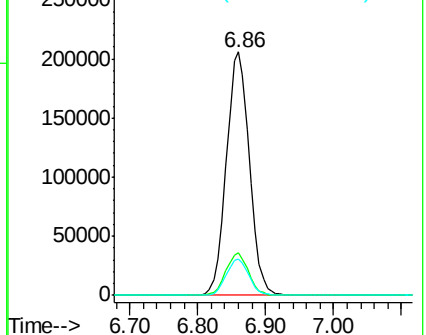
88 15.0 0.0 33.0



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: 50.243 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

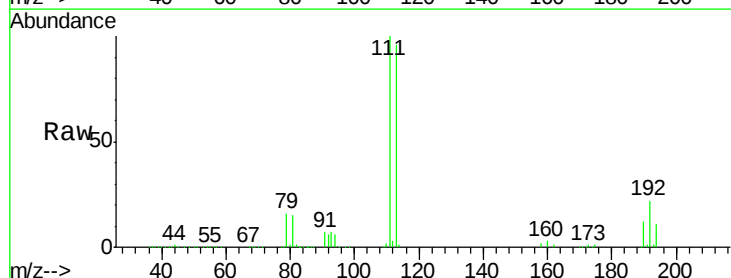
Tgt Ion:113 Resp: 149429

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

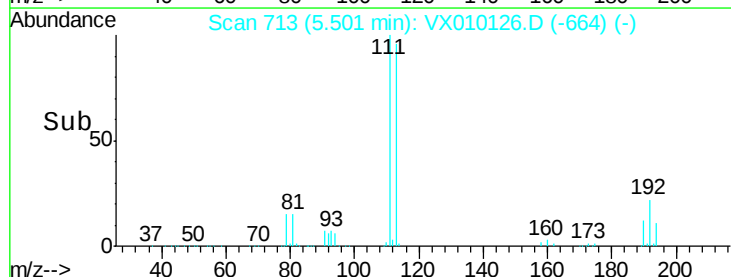
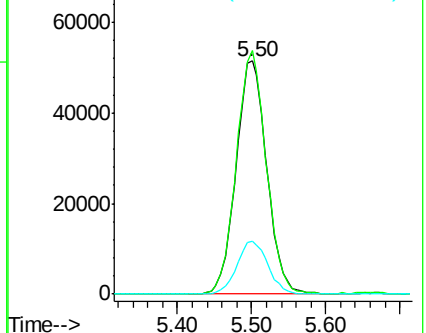
192 22.9 17.1 25.7

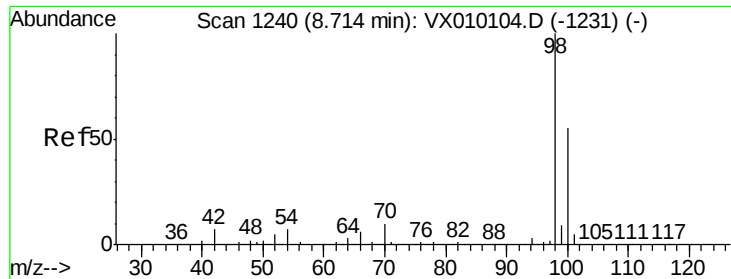


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.069 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA\_X

ClientSampleId :

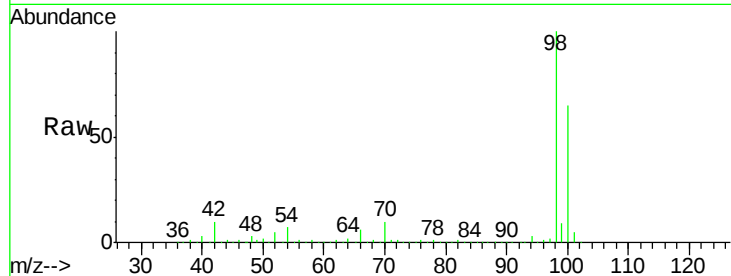
BPS1-TT-MW301S-20190605DL

Tot Ion: 98 Resp: 569252

Ion Ratio Lower Upper

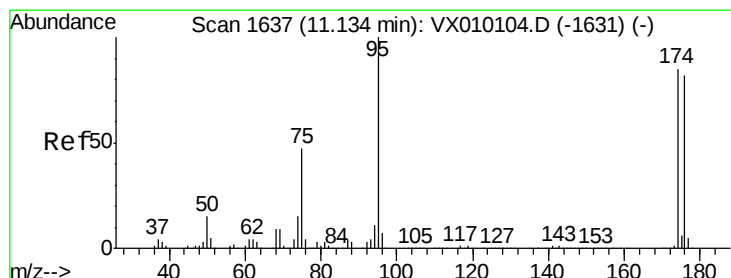
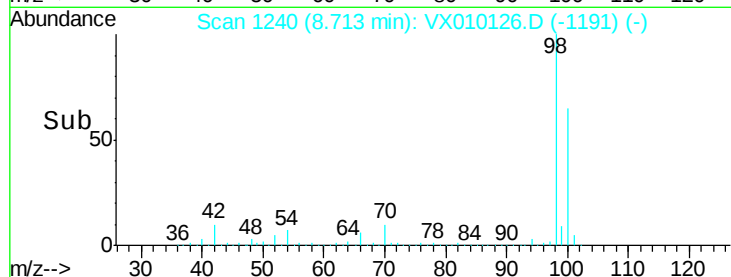
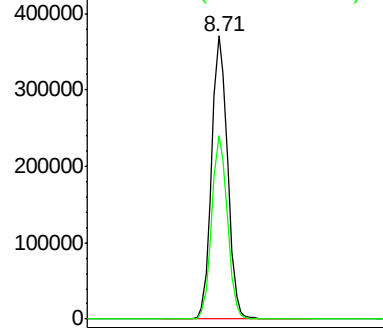
98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 48.079 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

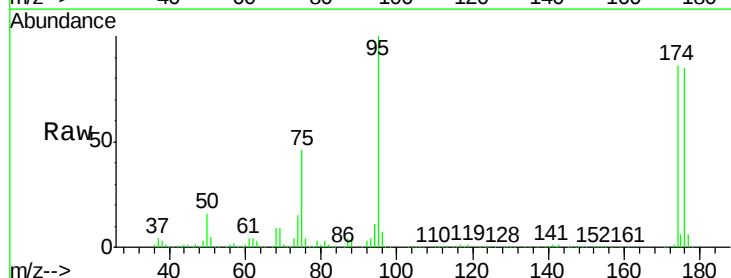
Tgt Ion: 95 Resp: 200145

Ion Ratio Lower Upper

95 100

174 91.0 0.0 160.4

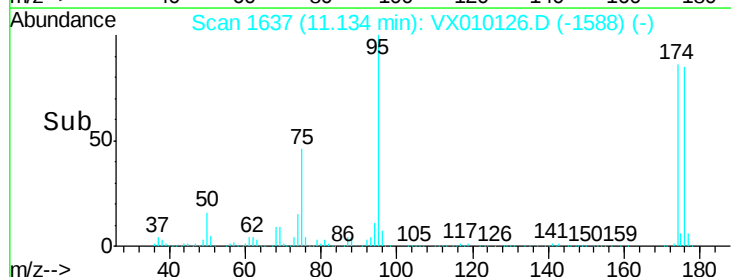
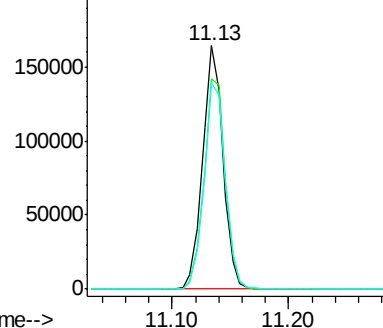
176 88.4 0.0 154.6

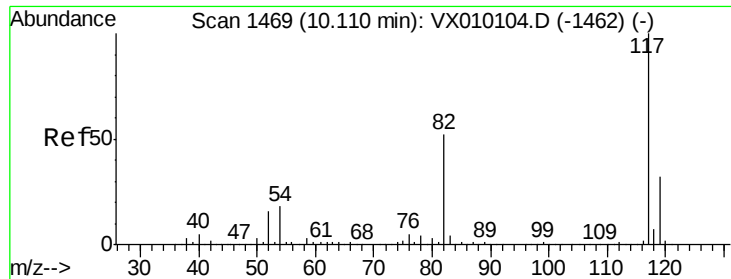


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

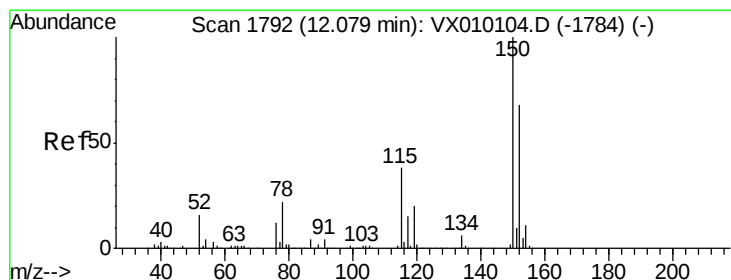
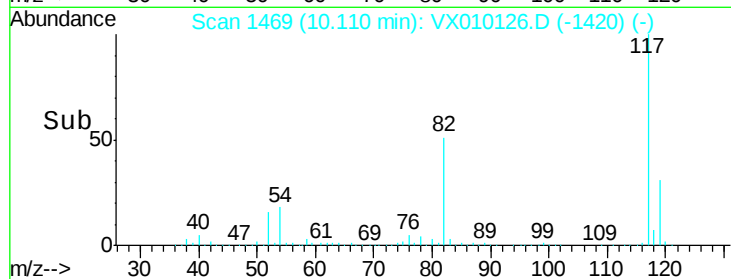
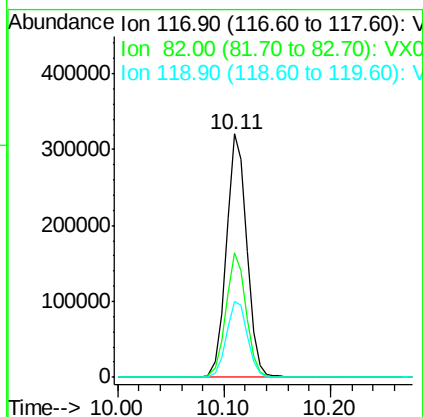
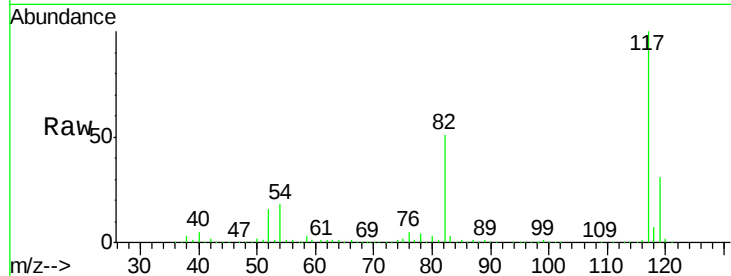




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010126.D  
Acq: 07 Jun 2019 22:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW301S-20190605DL

Tot Ion:117 Resp: 431161  
Ion Ratio Lower Upper  
117 100  
82 51.3 49.2 73.8  
119 31.4 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX010126.D  
Acq: 07 Jun 2019 22:07

Tgt Ion:152 Resp: 202139  
Ion Ratio Lower Upper  
152 100  
115 54.4 41.4 124.2  
150 155.6 0.0 345.2

