

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042919\  
 Data File : VX009209.D  
 Acq On : 29 Apr 2019 15:52  
 Operator : JC/SP  
 Sample : VX0429WBL02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0429WBL02

Quant Time: Apr 30 07:42:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:03:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 197169   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 314702   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 266725   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 103408   | 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   | 127922   | 47.53 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.06% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 94967    | 48.00 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.00% |          |
| 50) Toluene-d8              | 8.71  | 98   | 388871   | 48.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.38% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 123331   | 42.50 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 85.00% |          |

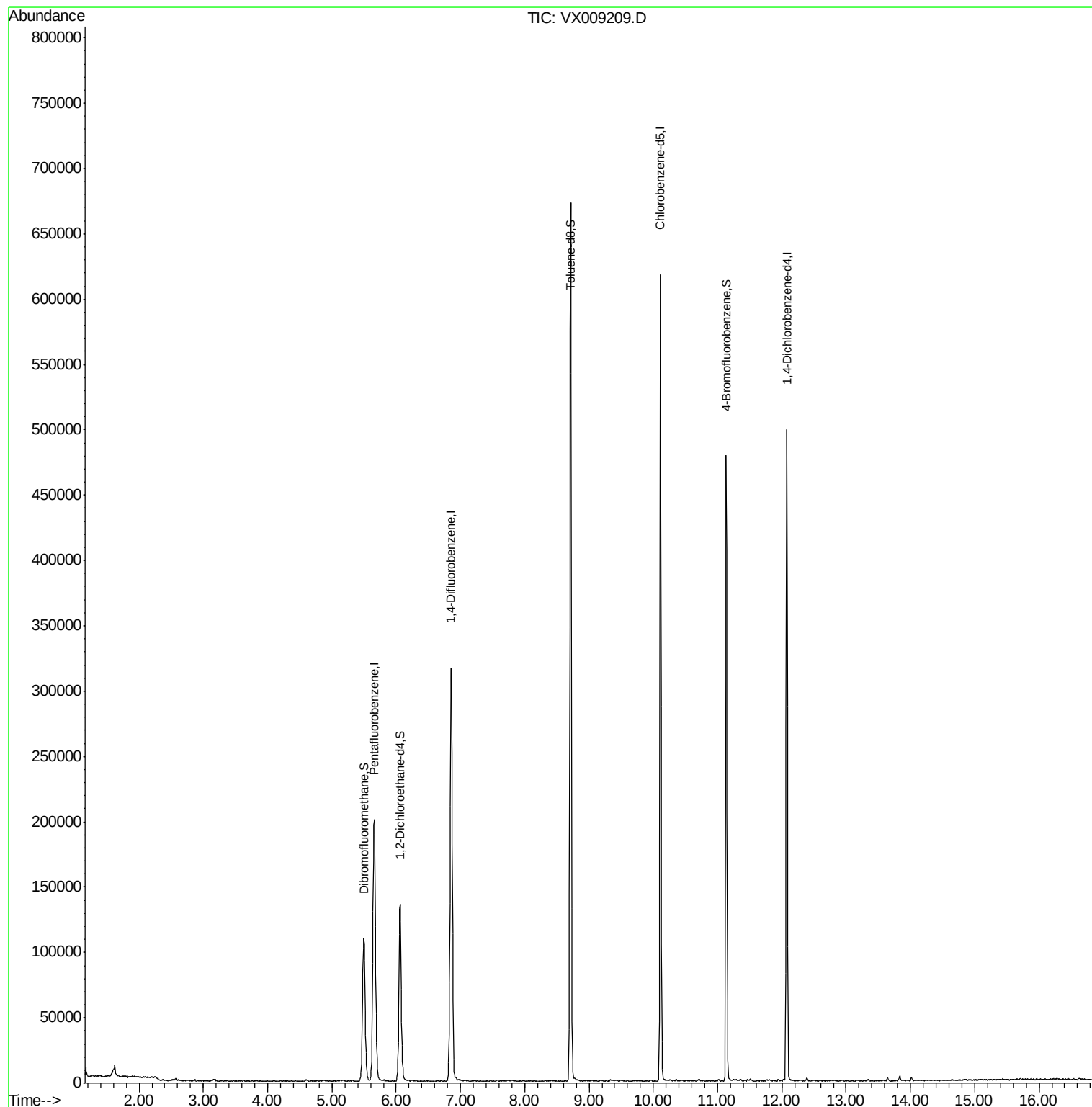
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

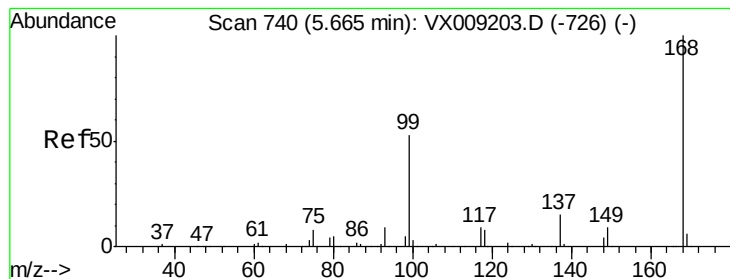
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:03:50 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: VX009209.D

Acq: 29 Apr 2019 15:52

Instrument :

MSVOA\_X

ClientSampleId :

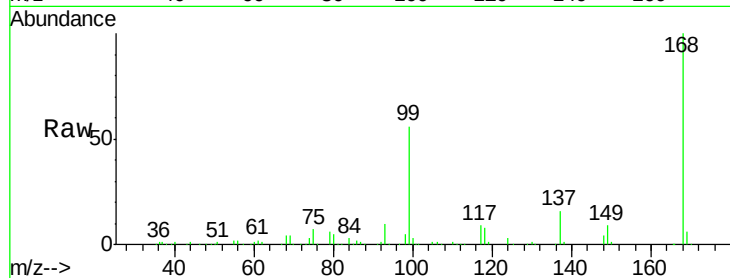
VX0429WBL02

Tot Ion:168 Resp: 197169

Ion Ratio Lower Upper

168 100

99 56.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

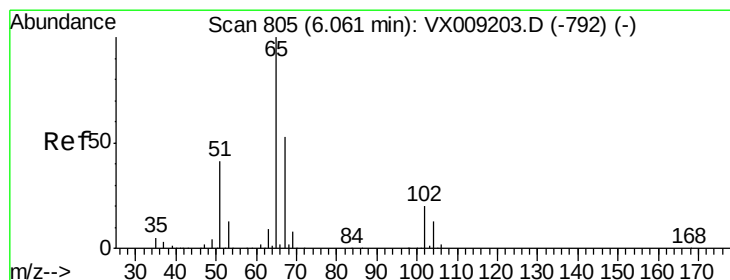
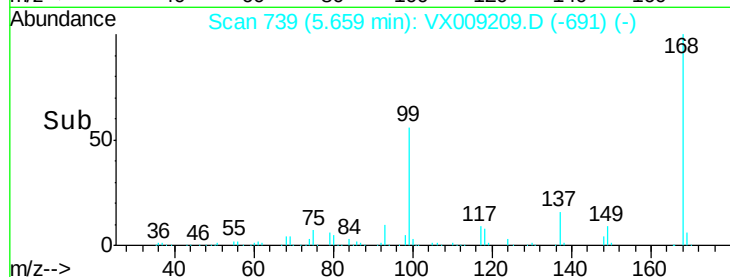
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.527 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009209.D

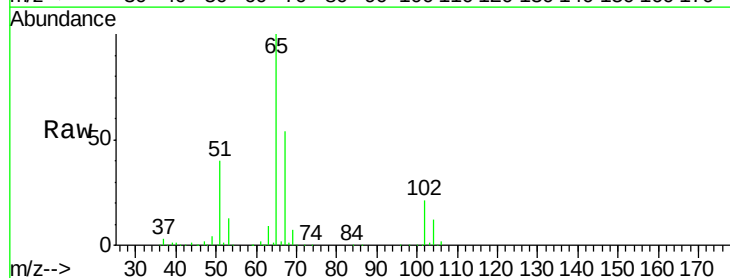
Acq: 29 Apr 2019 15:52

Tgt Ion: 65 Resp: 127922

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

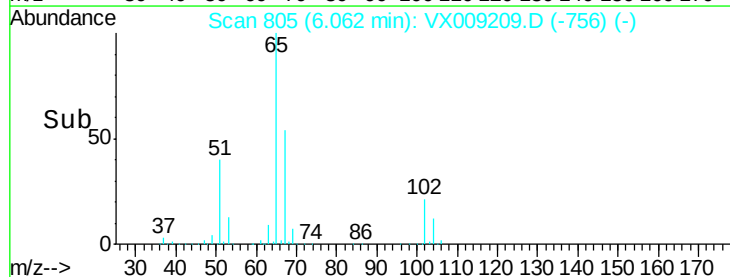
30000

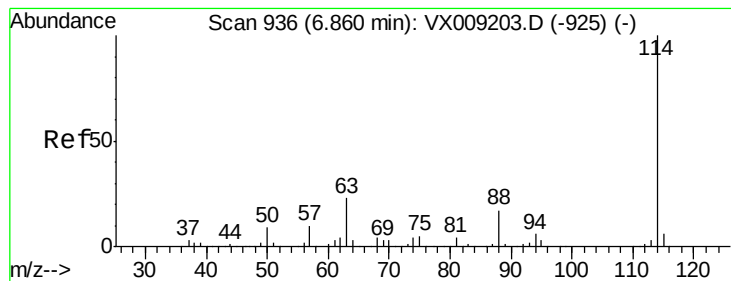
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009209.D

Acq: 29 Apr 2019 15:52

Instrument :

MSVOA\_X

ClientSampleId :

VX0429WBL02

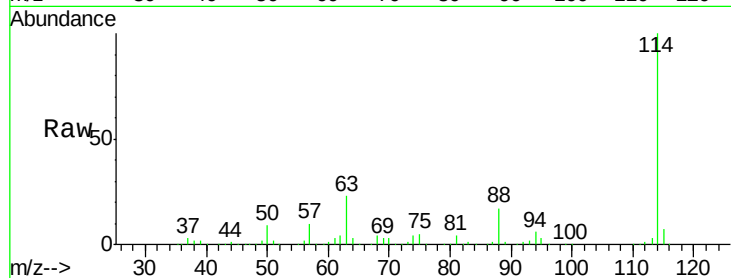
Tot Ion:114 Resp: 314702

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.6

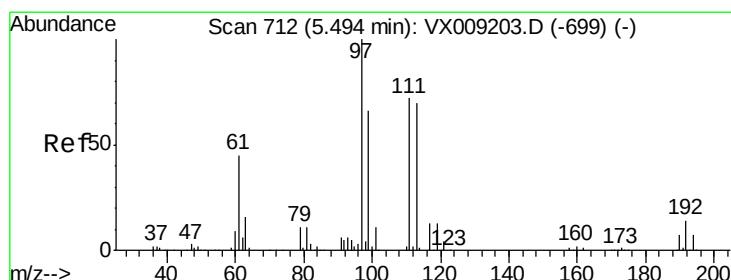
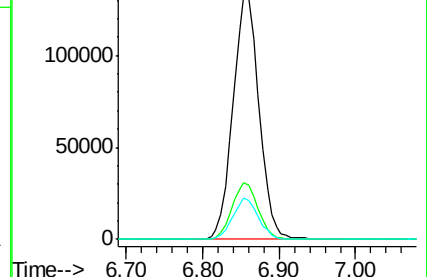
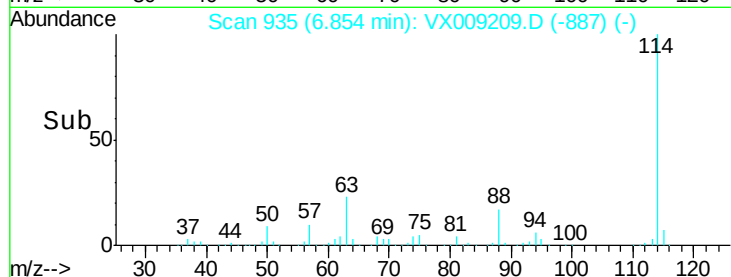
88 16.9 0.0 33.2



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: 48.003 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009209.D

Acq: 29 Apr 2019 15:52

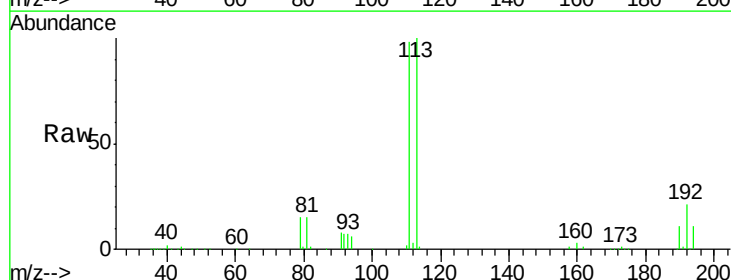
Tgt Ion:113 Resp: 94967

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

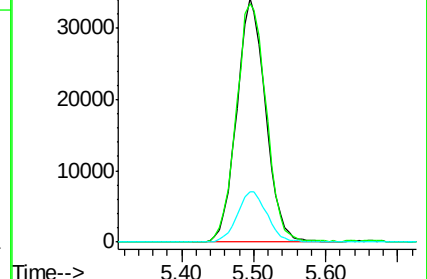
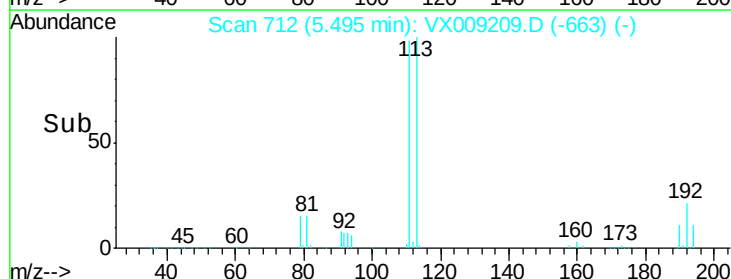
192 21.4 17.0 25.6

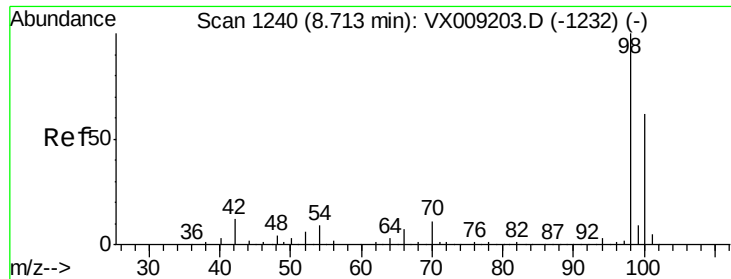


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.688 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009209.D

Acq: 29 Apr 2019 15:52

Instrument :

MSVOA\_X

ClientSampleId :

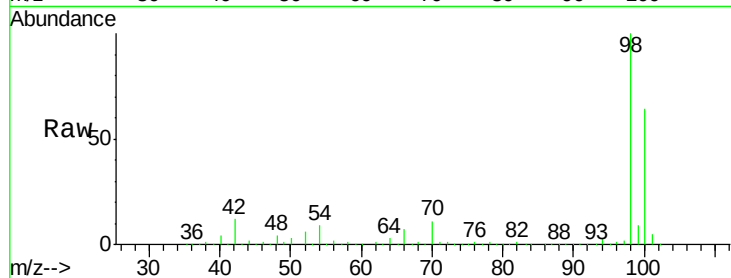
VX0429WBL02

Tot Ion: 98 Resp: 388871

Ion Ratio Lower Upper

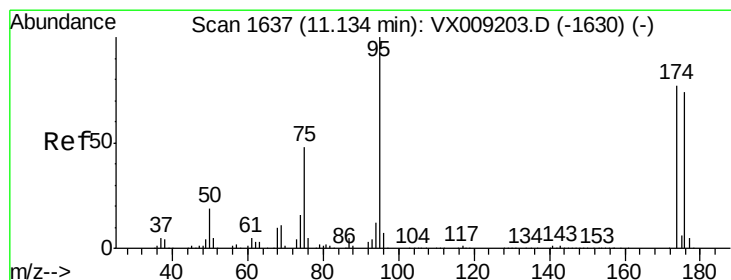
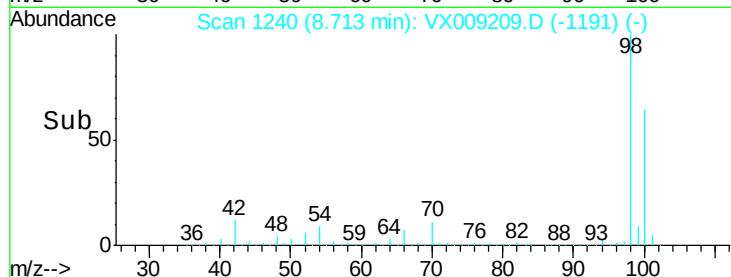
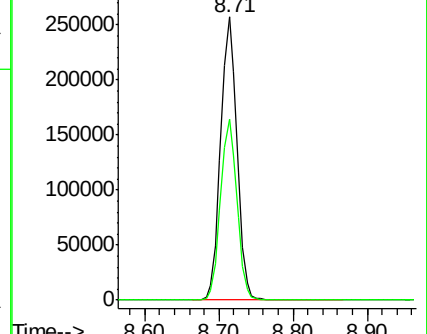
98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 42.496 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009209.D

Acq: 29 Apr 2019 15:52

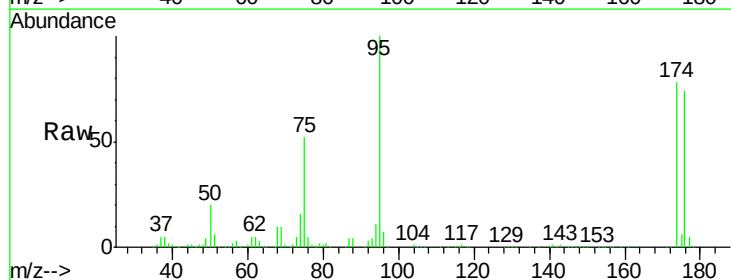
Tgt Ion: 95 Resp: 123331

Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.6

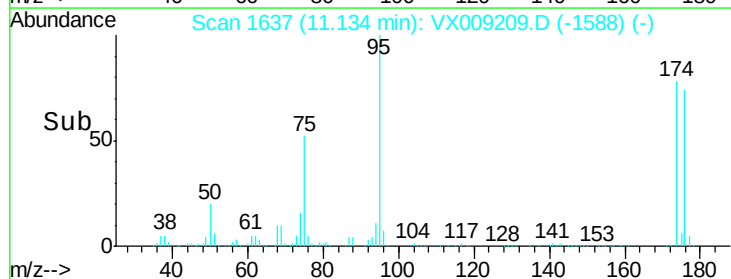
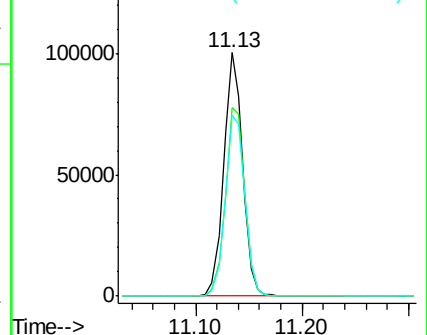
176 78.2 0.0 159.2

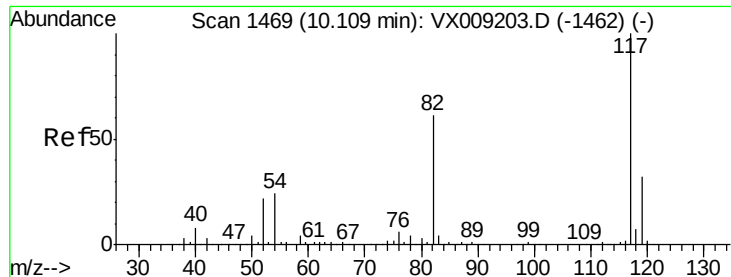


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

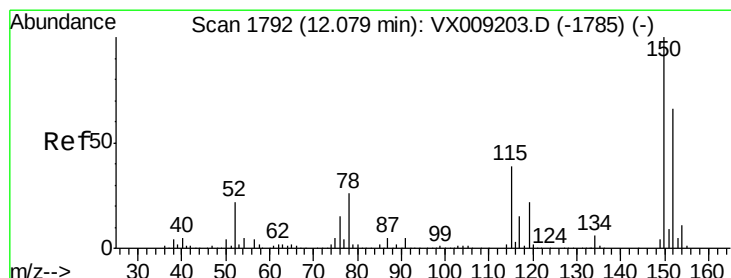
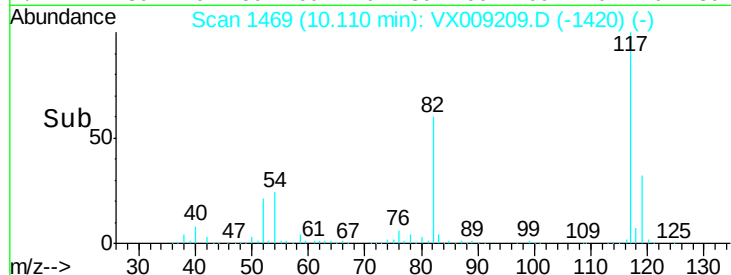
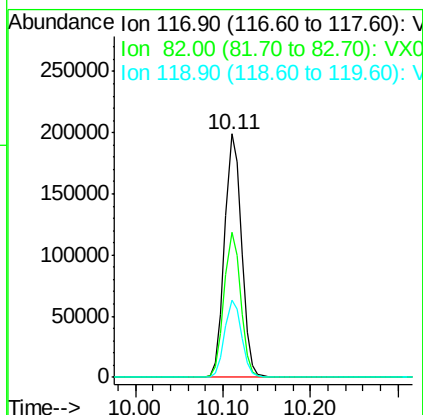
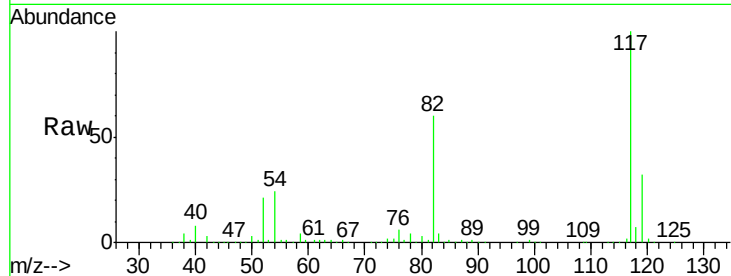




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009209.D  
Acq: 29 Apr 2019 15:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0429WBL02

Tot Ion:117 Resp: 266725  
Ion Ratio Lower Upper  
117 100  
82 59.6 48.8 73.2  
119 31.7 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX009209.D  
Acq: 29 Apr 2019 15:52

Tgt Ion:152 Resp: 103408  
Ion Ratio Lower Upper  
152 100  
115 59.3 41.2 123.6  
150 157.5 0.0 346.4

