

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050319\  
 Data File : VX009310.D  
 Acq On : 03 May 2019 15:20  
 Operator : JC/SP  
 Sample : VX0503WBL02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0503WBL02

Quant Time: May 03 23:35:10 2019  
 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

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 191314   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 306040   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 267996   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 115112   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65  | 127375   | 48.77 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.54% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 94308    | 49.02 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.04% |      |
| 50) Toluene-d8              | 8.71   | 98  | 383948   | 49.43 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.86% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 126396   | 44.78 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.56% |      |

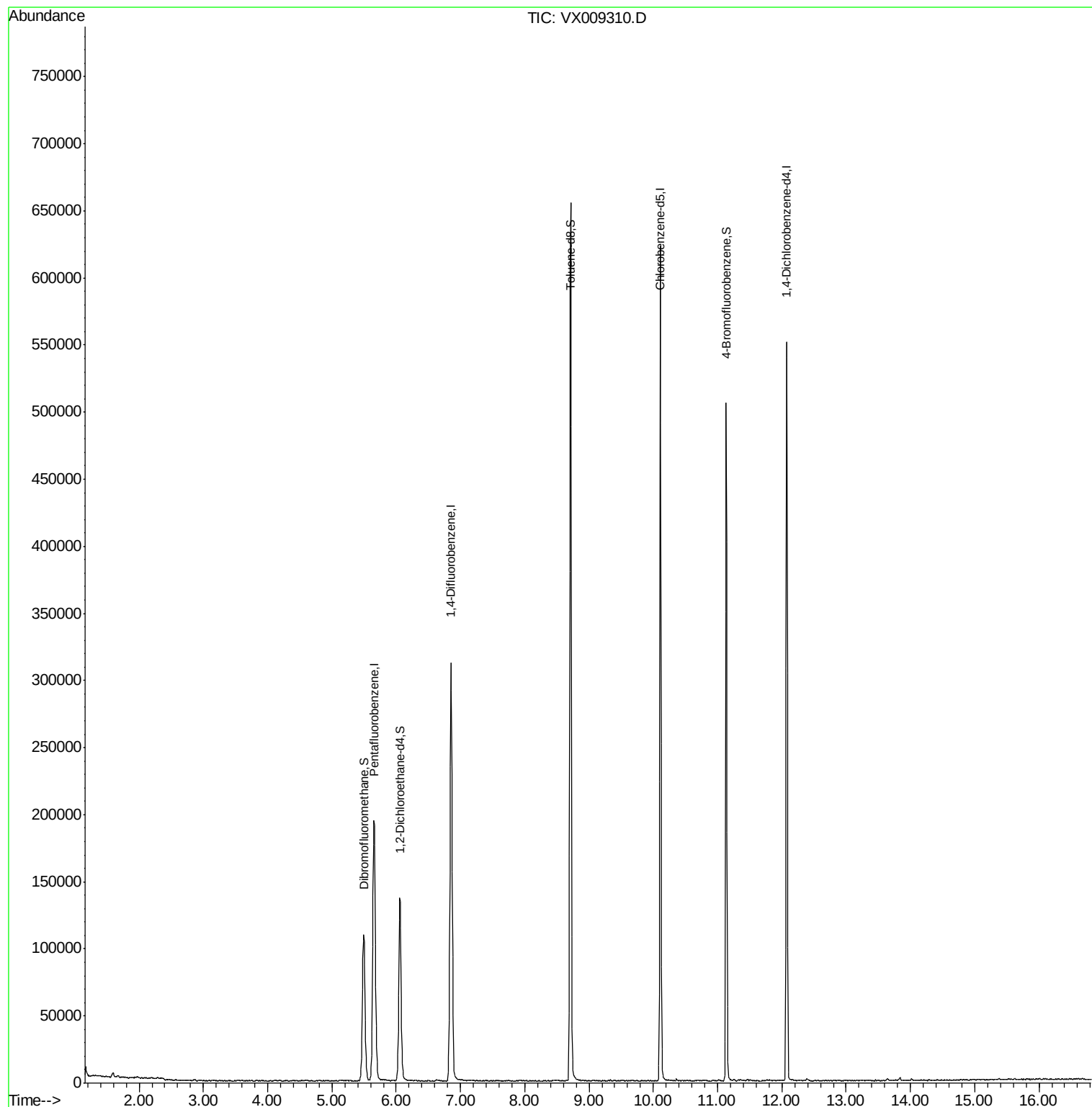
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

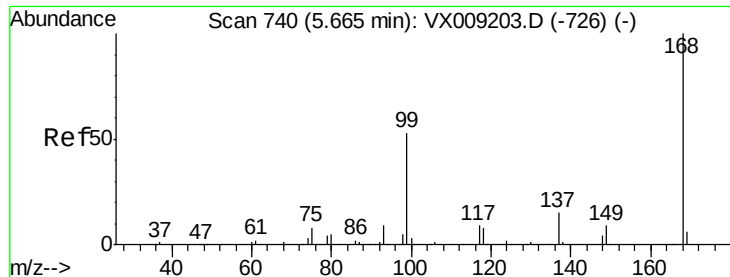
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009310.D

Acq: 03 May 2019 15:20

Instrument :

MSVOA\_X

ClientSampleId :

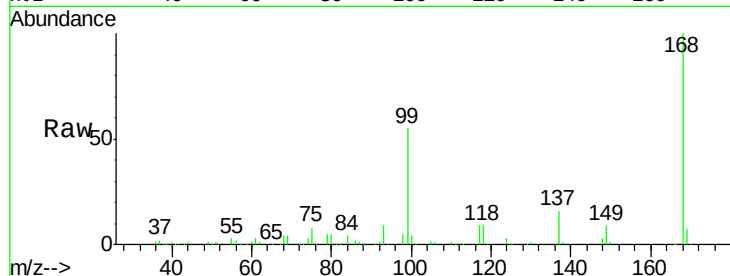
VX0503WBL02

Tot Ion:168 Resp: 191314

Ion Ratio Lower Upper

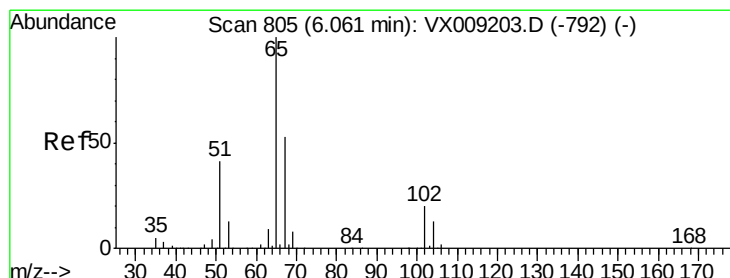
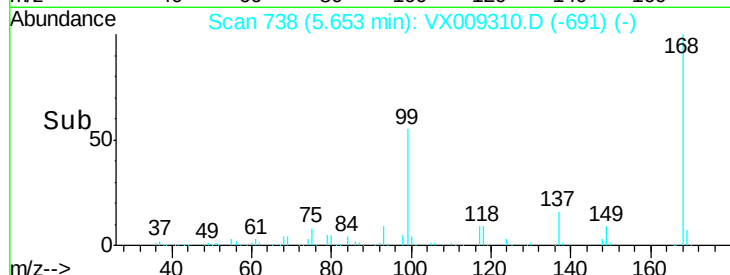
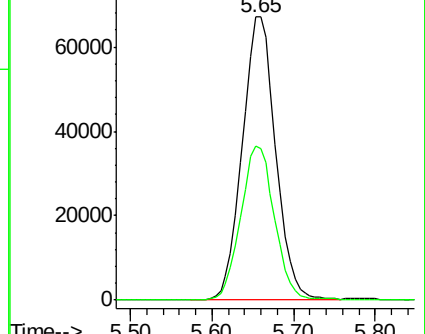
168 100

99 54.6 42.3 63.5



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: 48.772 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009310.D

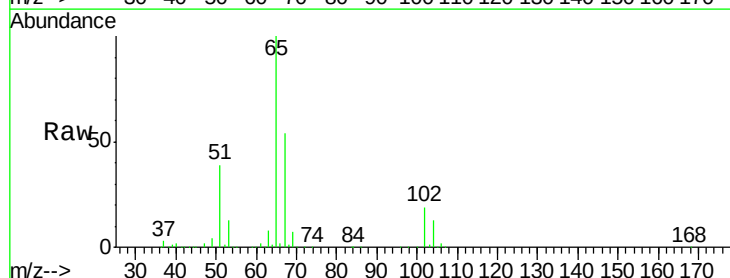
Acq: 03 May 2019 15:20

Tgt Ion: 65 Resp: 127375

Ion Ratio Lower Upper

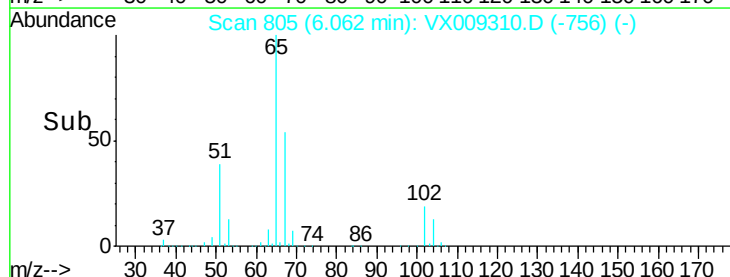
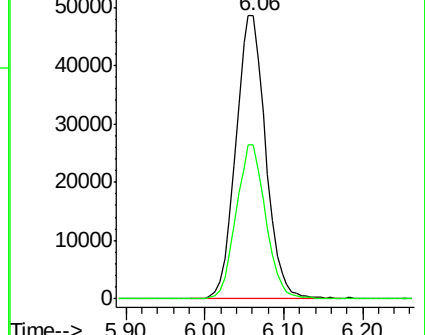
65 100

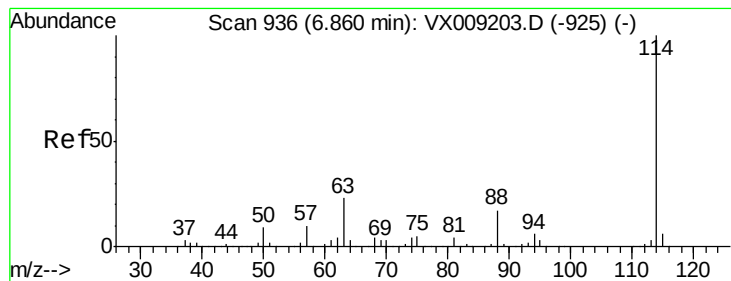
67 54.2 0.0 106.6



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009310.D

Acq: 03 May 2019 15:20

Instrument :

MSVOA\_X

ClientSampleId :

VX0503WBL02

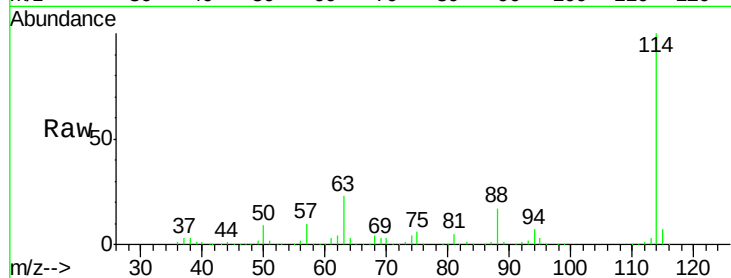
Tot Ion:114 Resp: 306040

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

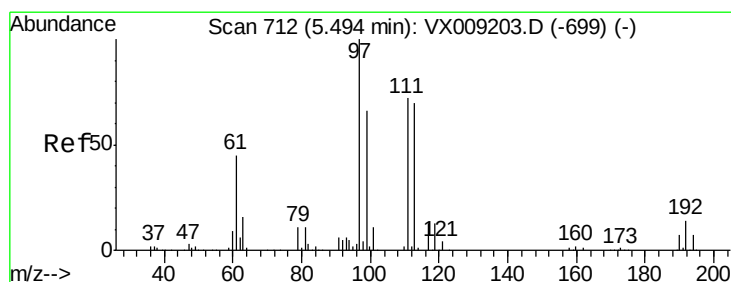
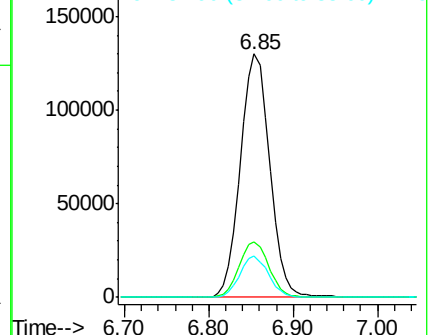
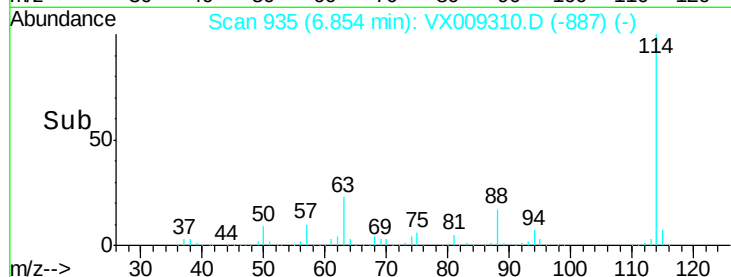
88 16.8 0.0 33.2



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: 49.019 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009310.D

Acq: 03 May 2019 15:20

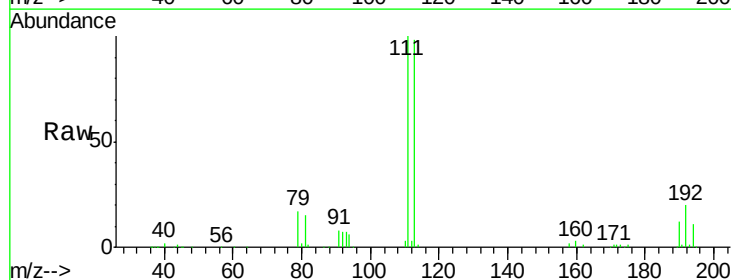
Tgt Ion:113 Resp: 94308

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

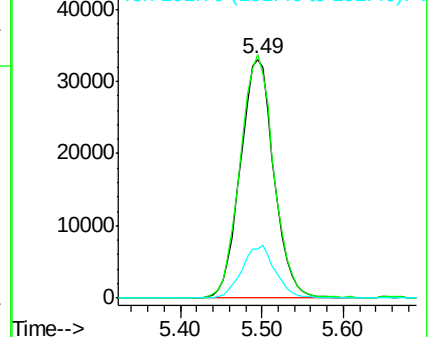
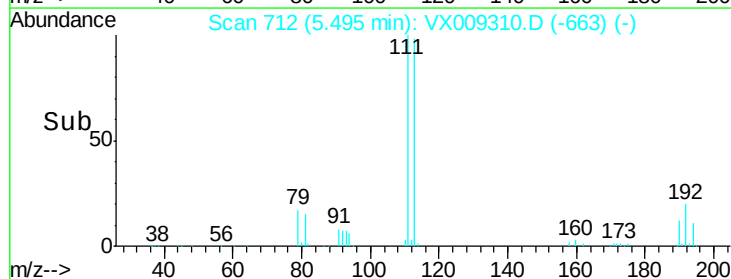
192 21.7 17.0 25.6

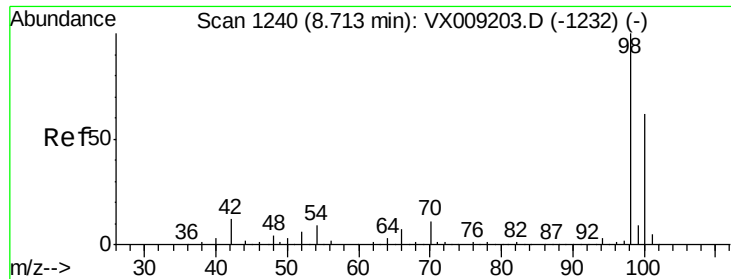


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.432 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009310.D

Acq: 03 May 2019 15:20

Instrument :

MSVOA\_X

ClientSampleId :

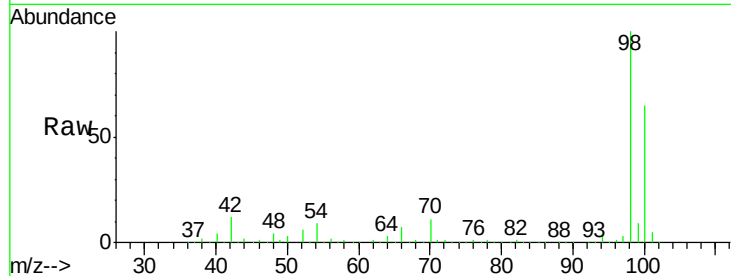
VX0503WBL02

Tot Ion: 98 Resp: 383948

Ion Ratio Lower Upper

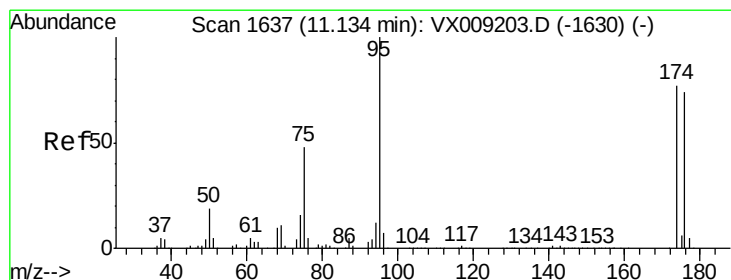
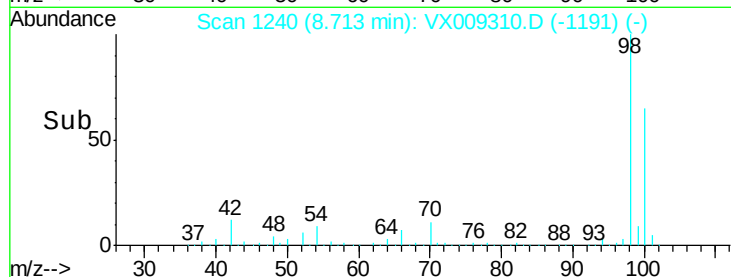
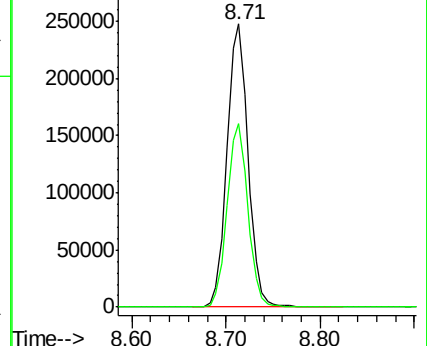
98 100

100 64.1 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: 44.785 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009310.D

Acq: 03 May 2019 15:20

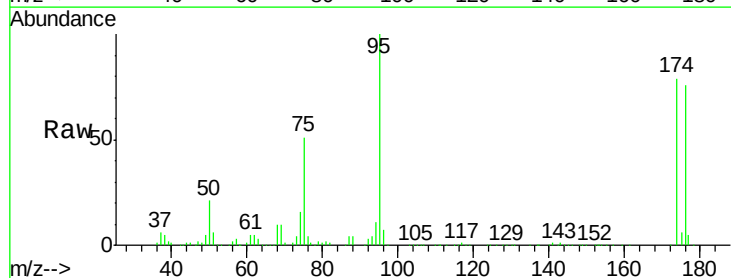
Tgt Ion: 95 Resp: 126396

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

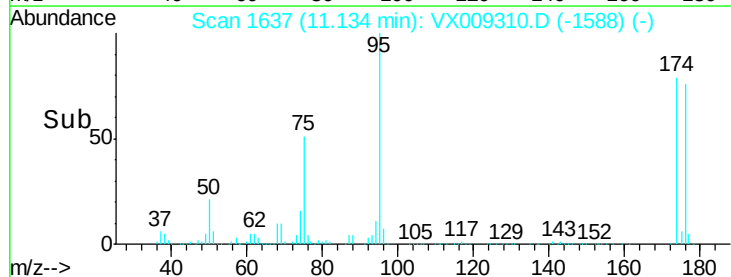
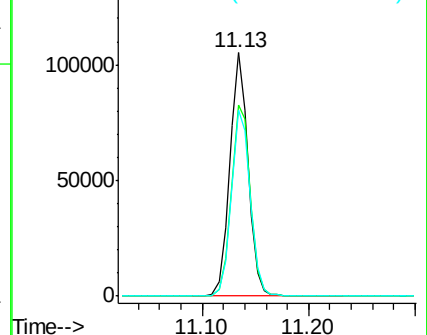
176 79.0 0.0 159.2

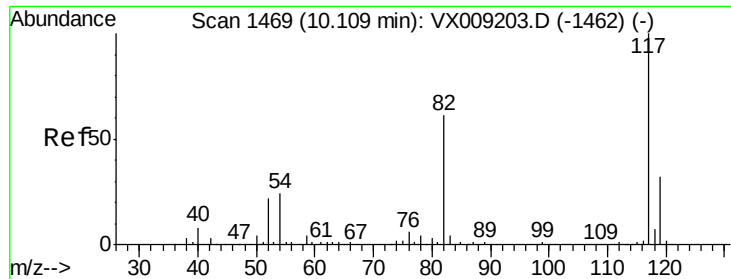


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

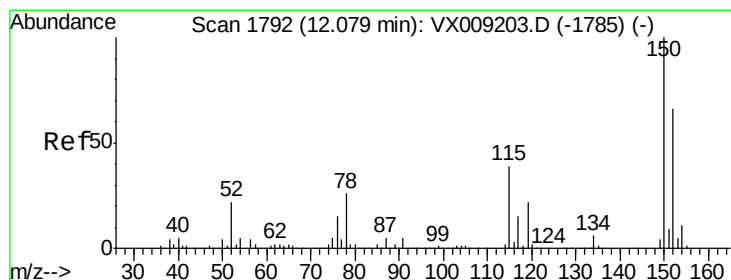
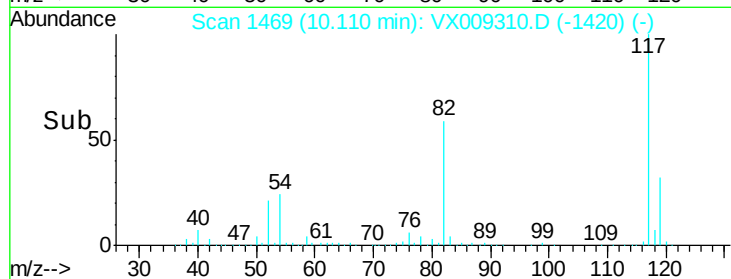
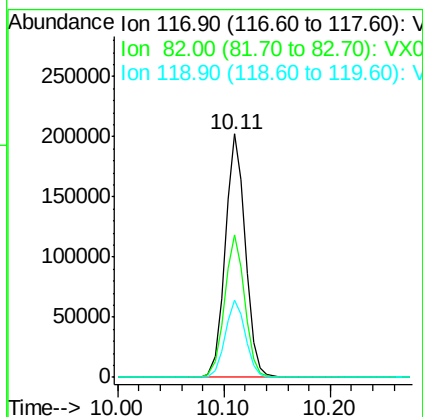
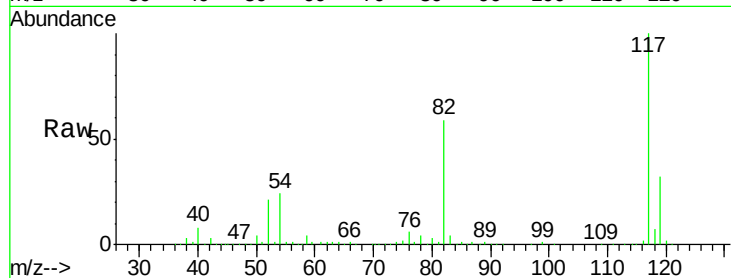




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009310.D  
Acq: 03 May 2019 15:20

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0503WBL02

Tot Ion:117 Resp: 267996  
Ion Ratio Lower Upper  
117 100  
82 58.6 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: VX009310.D  
Acq: 03 May 2019 15:20

Tgt Ion:152 Resp: 115112  
Ion Ratio Lower Upper  
152 100  
115 58.0 41.2 123.6  
150 157.3 0.0 346.4

