

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\  
 Data File : VX003300.D  
 Acq On : 10 Jul 2018 22:23  
 Operator : JC/MD  
 Sample : J3892-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGEBLANK-SAMPLEMANAG

Quant Time: Jul 11 01:32:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 09 15:24:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 252205   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 348682   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 335883   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 184893   | 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   | 158729   | 39.99 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.98% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 136721   | 36.50 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 73.00% |          |
| 50) Toluene-d8              | 8.72  | 98   | 499549   | 37.54 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.08% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 173560   | 35.30 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 70.60% |          |

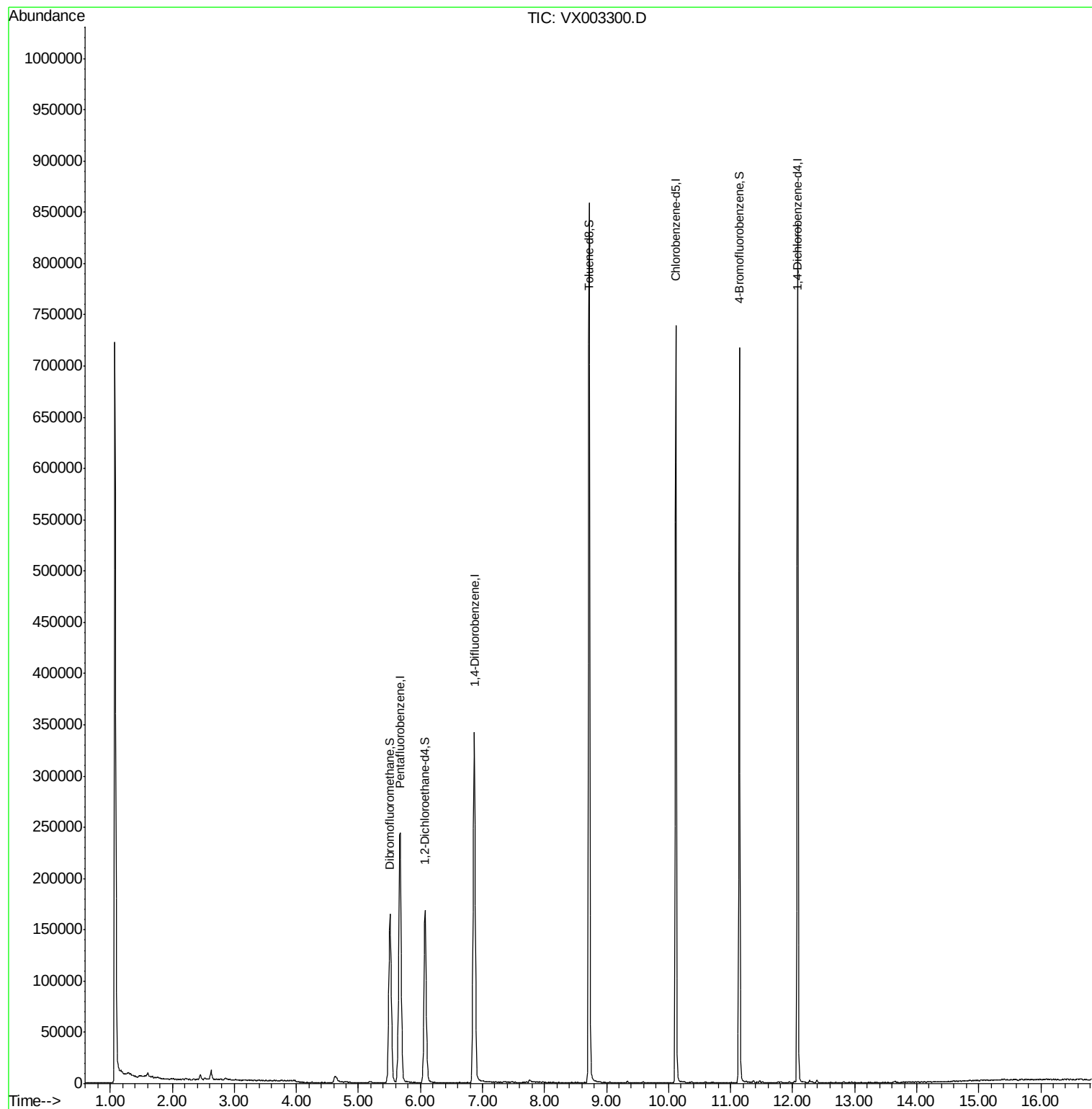
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

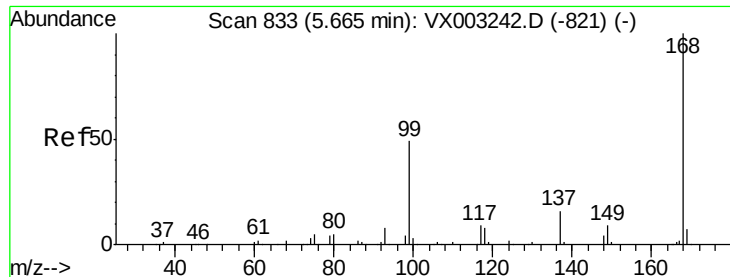
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jul 09 15:24:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003300.D

Acq: 10 Jul 2018 22:23

Instrument :

MSVOA\_X

ClientSampleId :

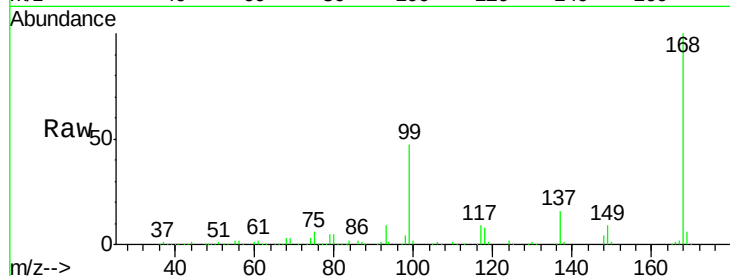
STORAGEBLANK-SAMPLEMANAG

Tot Ion:168 Resp: 252205

Ion Ratio Lower Upper

168 100

99 46.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

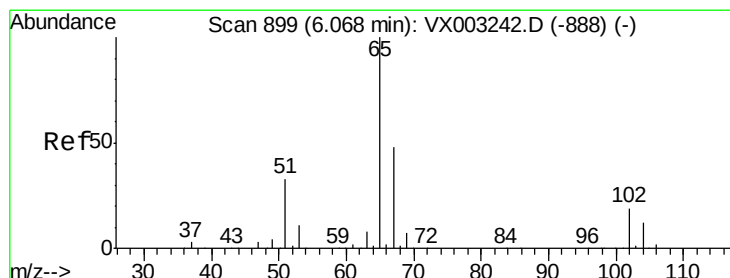
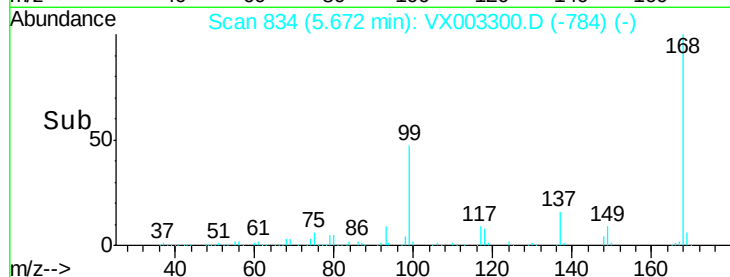
40000

20000

0

Time-->

5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 39.99 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003300.D

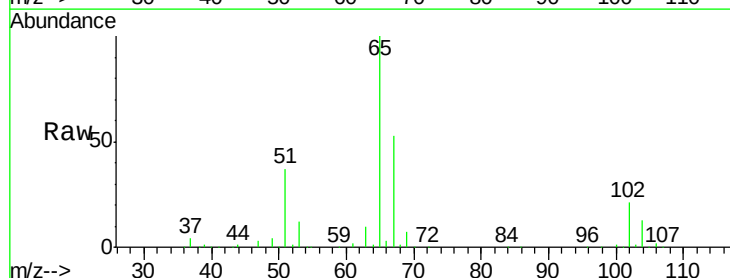
Acq: 10 Jul 2018 22:23

Tgt Ion: 65 Resp: 158729

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

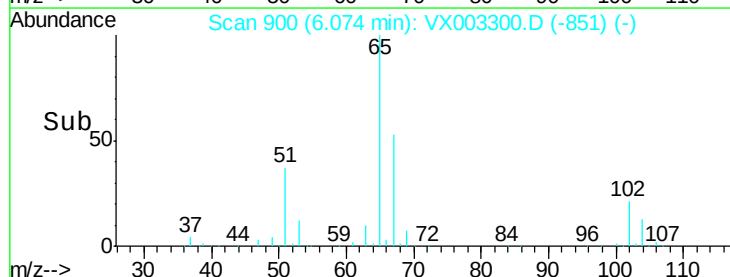
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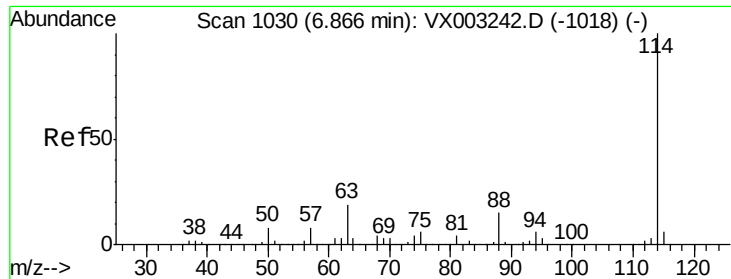
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0

Time-->

6.00 6.10 6.20

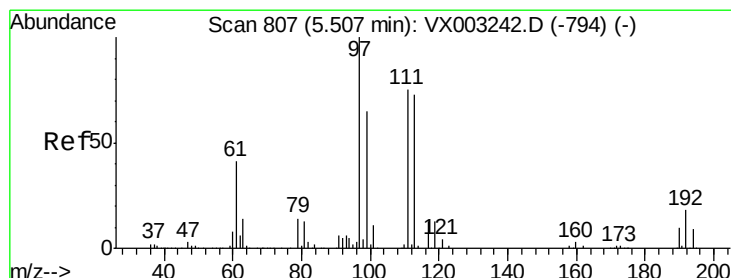
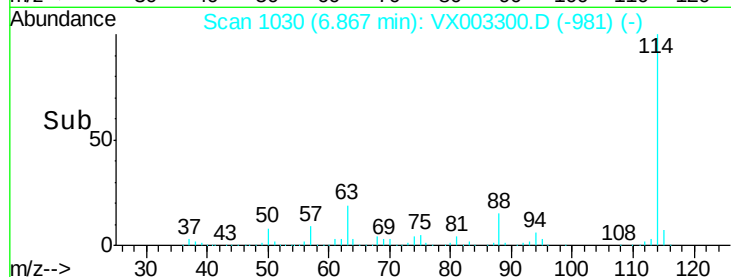
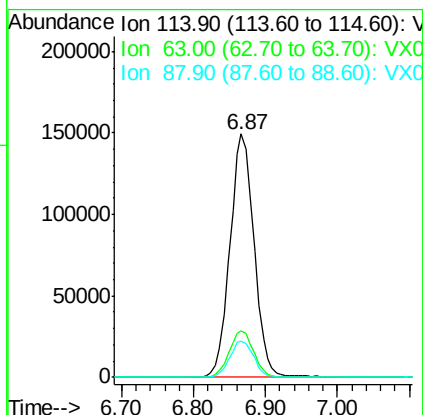
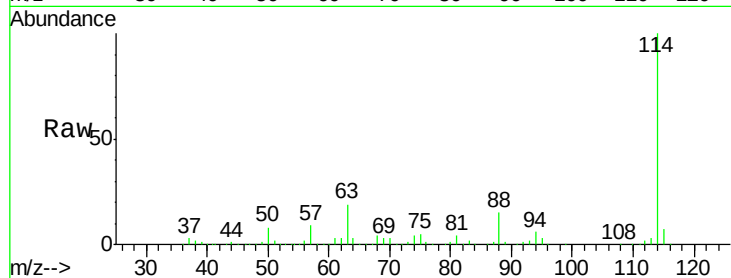




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX003300.D  
 Acq: 10 Jul 2018 22:23

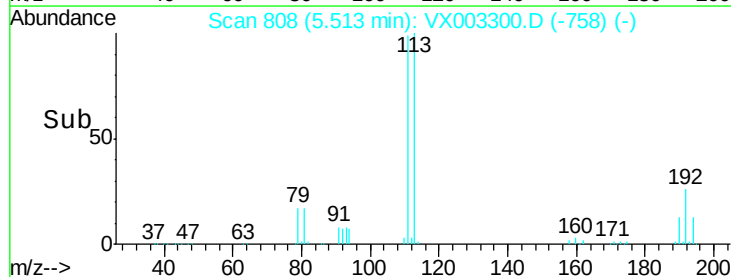
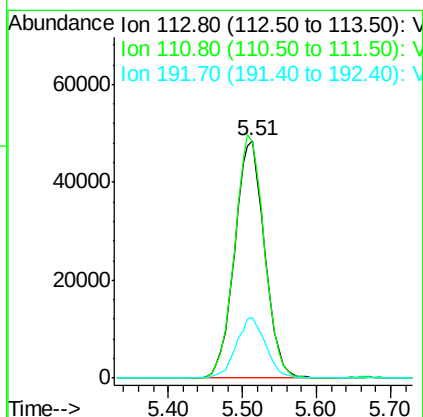
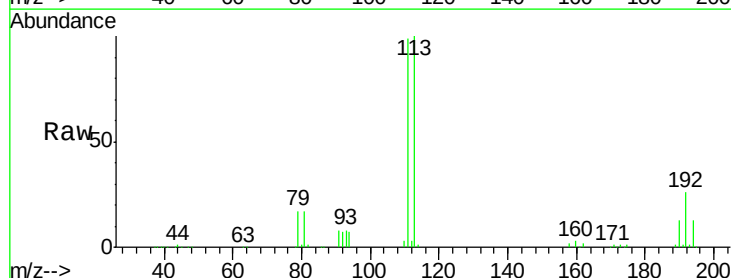
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGEBLANK-SAMPLEMANAG

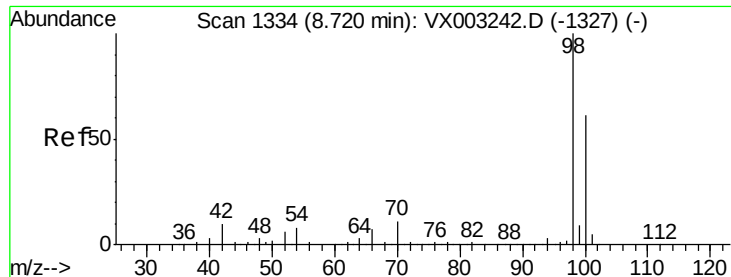
Tot Ion:114 Resp: 348682  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 41.4  
 88 15.0 0.0 30.0



#35  
 Dibromofluoromethane  
 Concen: 36.50 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. 0.01 min  
 Lab File: VX003300.D  
 Acq: 10 Jul 2018 22:23

Tgt Ion:113 Resp: 136721  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 81.4 122.0  
 192 24.9 19.1 28.7





#50

Toluene-d8

Concen: 37.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003300.D

Acq: 10 Jul 2018 22:23

Instrument :

MSVOA\_X

ClientSampleId :

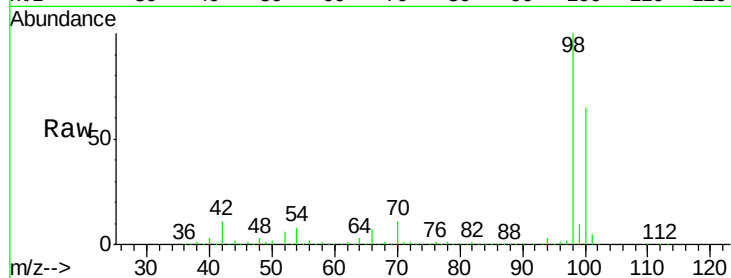
STORAGE\BLANK-SAMPLE\MANAG

Tot Ion: 98 Resp: 499549

Ion Ratio Lower Upper

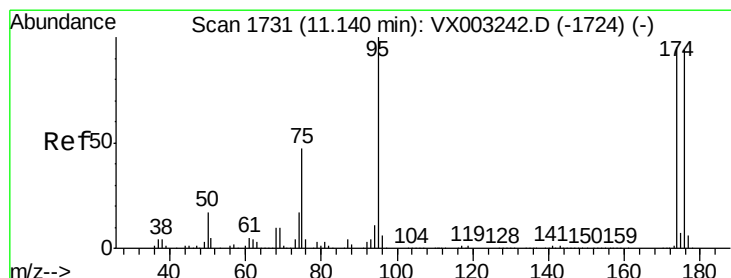
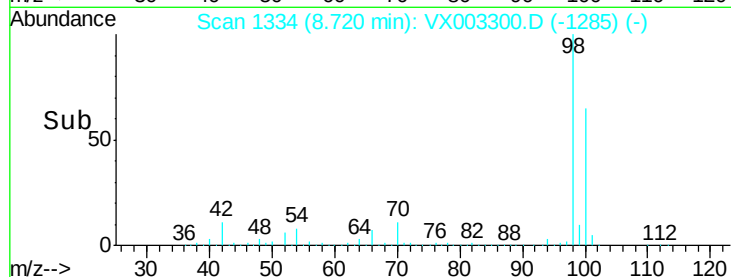
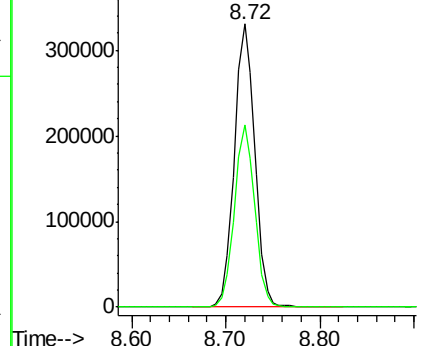
98 100

100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 35.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003300.D

Acq: 10 Jul 2018 22:23

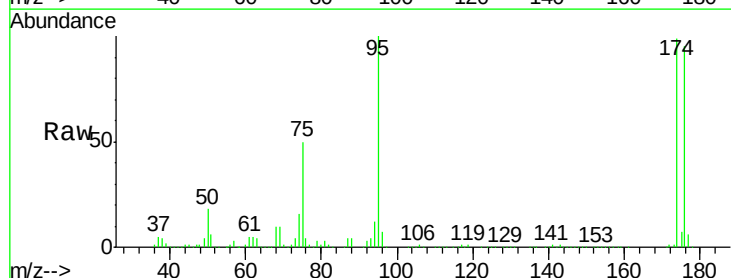
Tgt Ion: 95 Resp: 173560

Ion Ratio Lower Upper

95 100

174 101.6 0.0 187.4

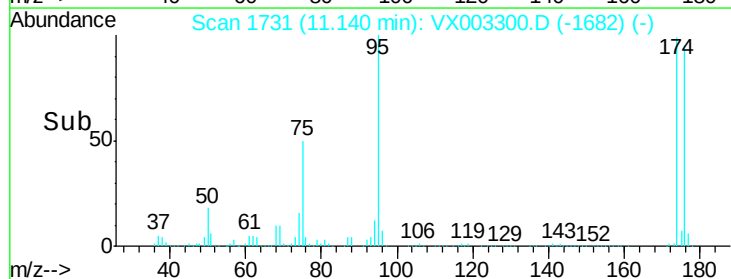
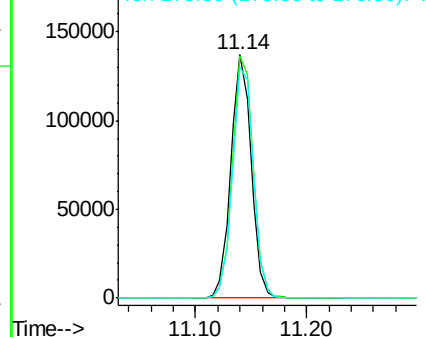
176 97.1 0.0 181.0

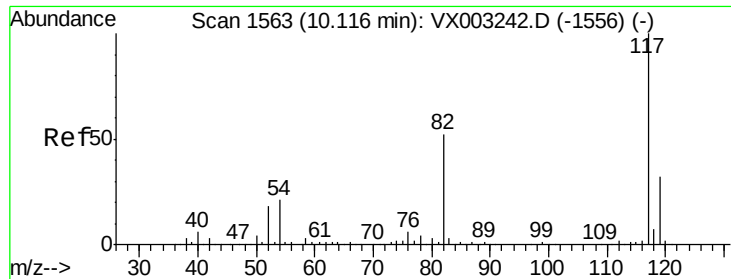


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

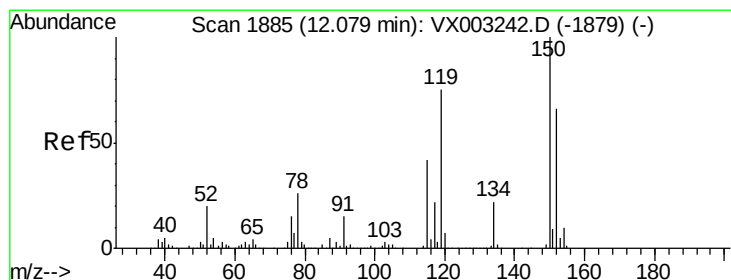
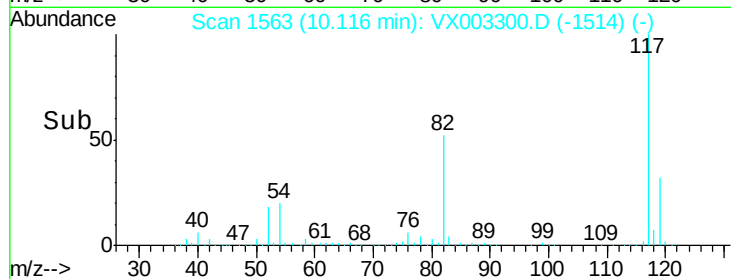
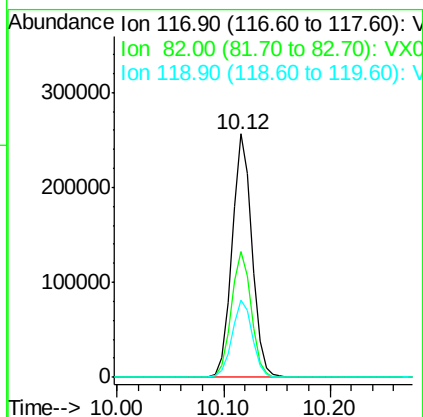
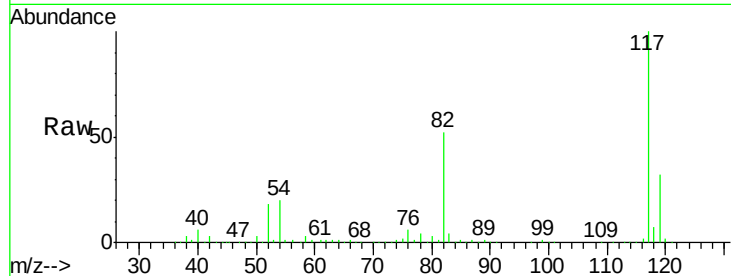




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003300.D  
Acq: 10 Jul 2018 22:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGEBLANK-SAMPLEMANAG

Tot Ion:117 Resp: 335883  
Ion Ratio Lower Upper  
117 100  
82 51.7 45.0 67.4  
119 31.8 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX003300.D  
Acq: 10 Jul 2018 22:23

Tgt Ion:152 Resp: 184893  
Ion Ratio Lower Upper  
152 100  
115 52.9 40.1 120.2  
150 155.5 0.0 347.2

