

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\  
 Data File : VX004167.D  
 Acq On : 21 Aug 2018 11:13  
 Operator : JC/MD  
 Sample : VX0821WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0821WBL01

Quant Time: Aug 22 01:11:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 13:27:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 282357   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 444480   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 421562   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 214921   | 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   | 218292   | 54.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.74% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 186971   | 56.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 112.42% |          |
| 50) Toluene-d8              | 8.71  | 98   | 675114   | 50.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.12% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 225164   | 46.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.06%  |          |

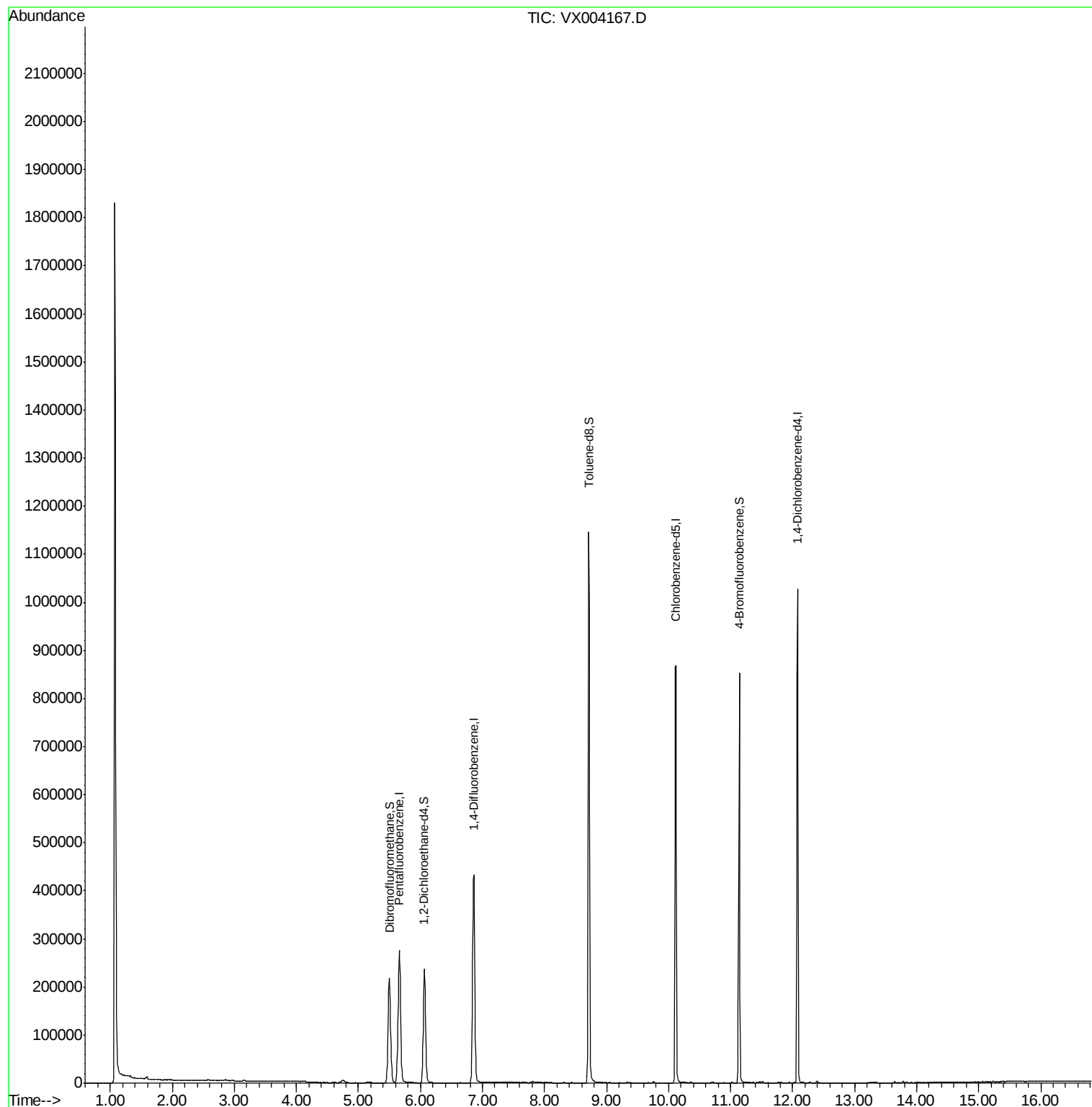
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 14 13:27:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA\_X

ClientSampleId :

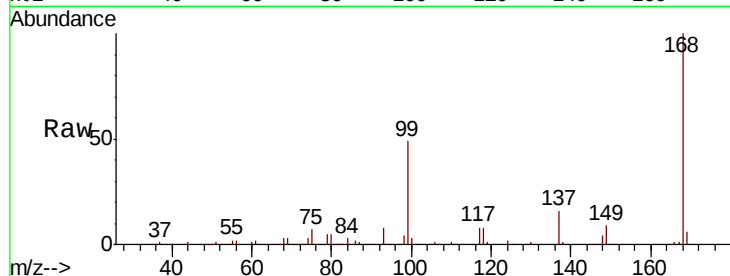
VX0821WBL01

Tot Ion:168 Resp: 282357

Ion Ratio Lower Upper

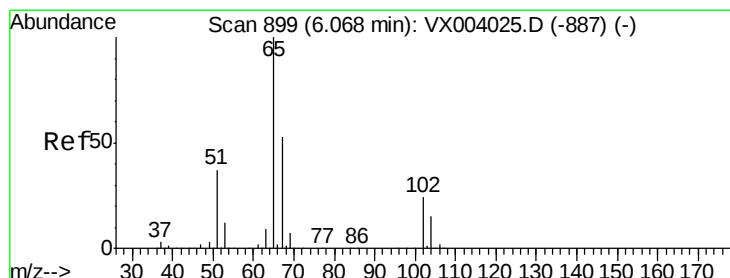
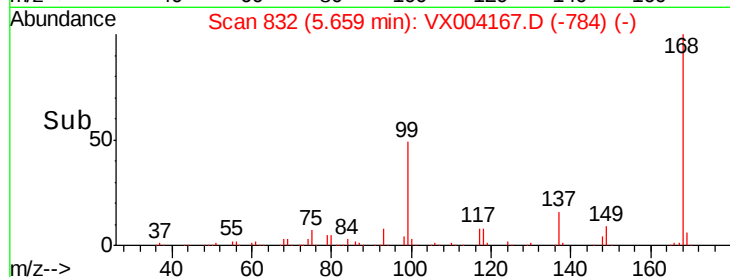
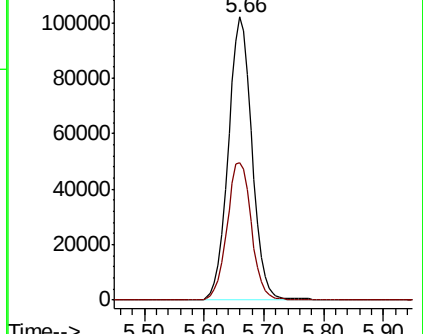
168 100

99 48.8 40.1 60.1



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: 54.87 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX004167.D

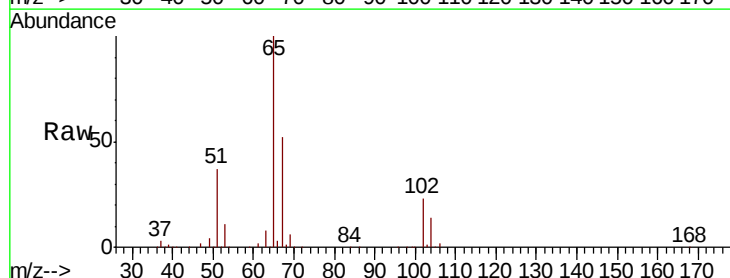
Acq: 21 Aug 2018 11:13

Tgt Ion: 65 Resp: 218292

Ion Ratio Lower Upper

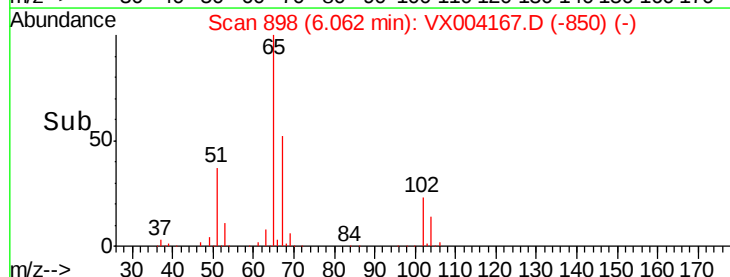
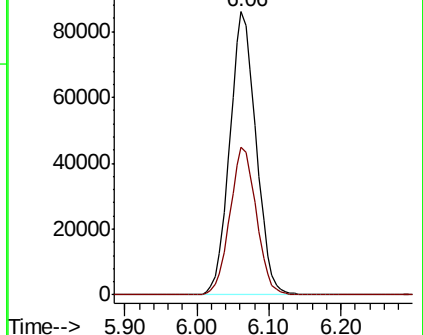
65 100

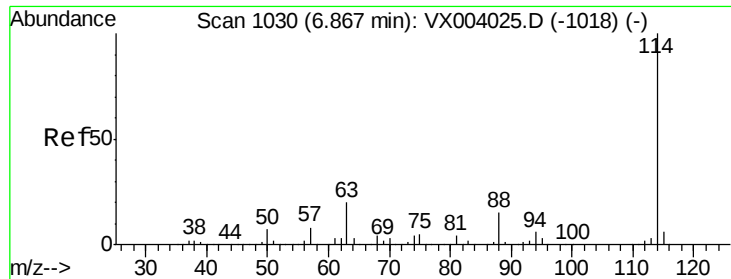
67 52.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

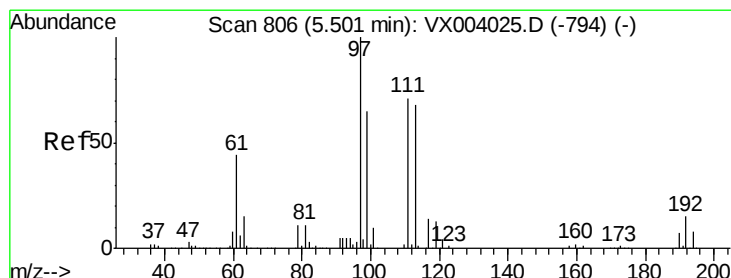
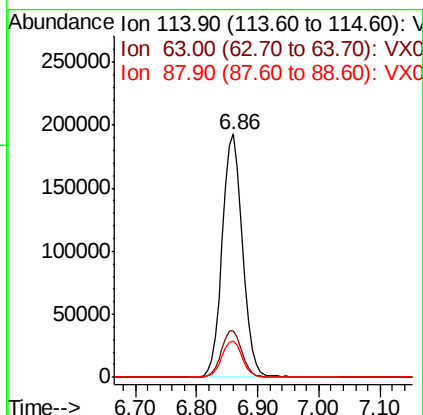
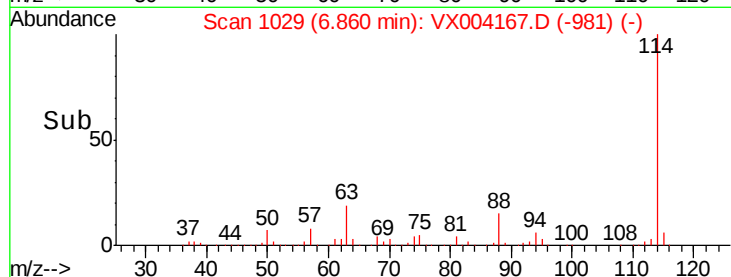
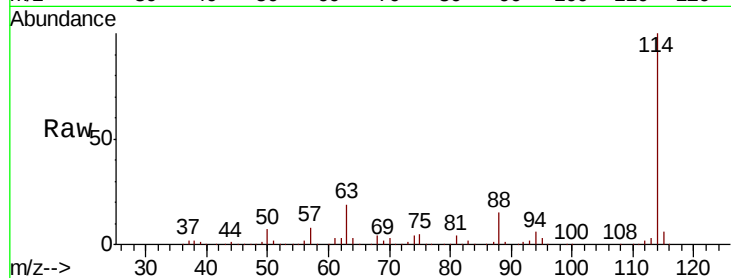




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: VX004167.D  
 Acq: 21 Aug 2018 11:13

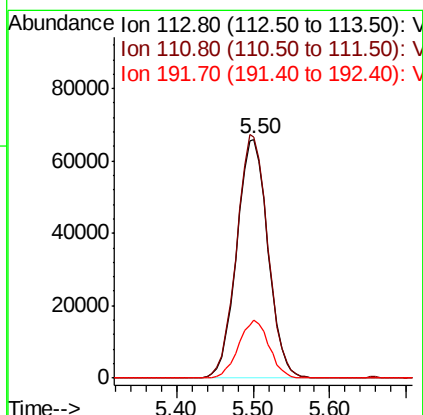
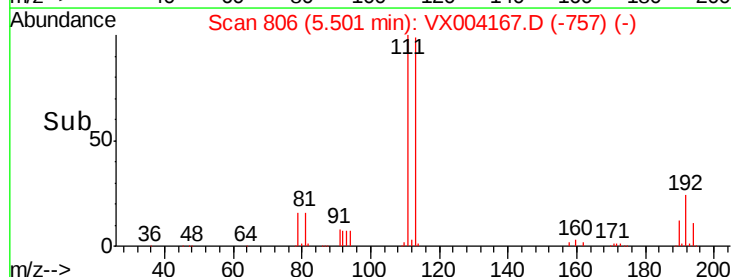
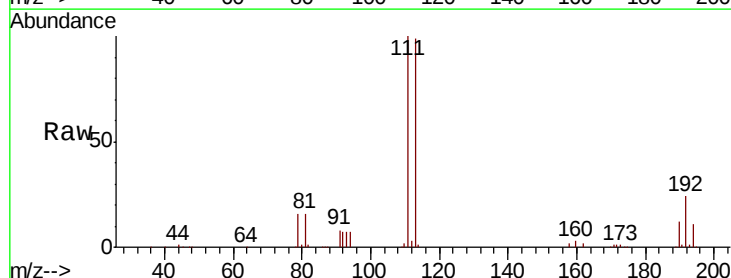
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0821WBL01

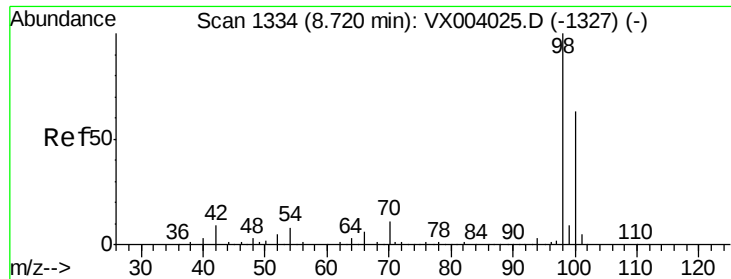
Tot Ion:114 Resp: 444480  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 39.0  
 88 15.0 0.0 32.0



#35  
 Dibromofluoromethane  
 Concen: 56.21 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004167.D  
 Acq: 21 Aug 2018 11:13

Tgt Ion:113 Resp: 186971  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 82.0 123.0  
 192 23.9 19.0 28.4





#50

Toluene-d8

Concen: 50.06 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA\_X

ClientSampleId :

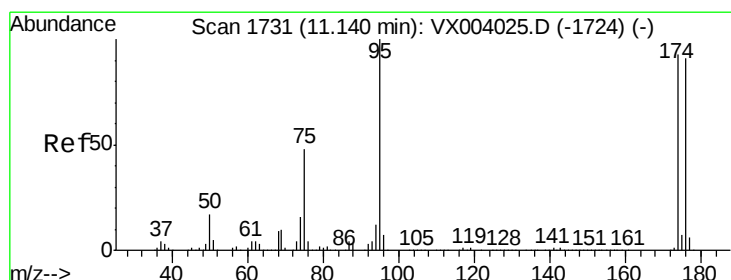
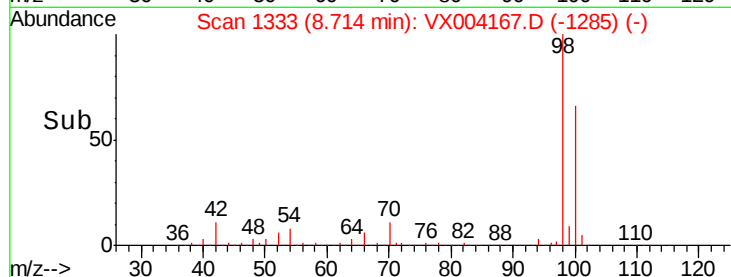
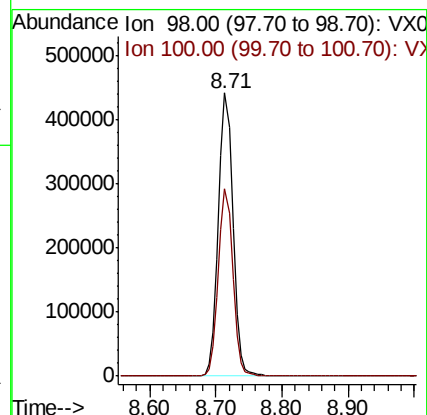
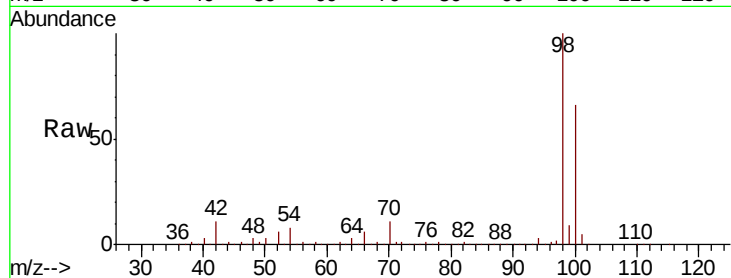
VX0821WBL01

Tot Ion: 98 Resp: 675114

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 46.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

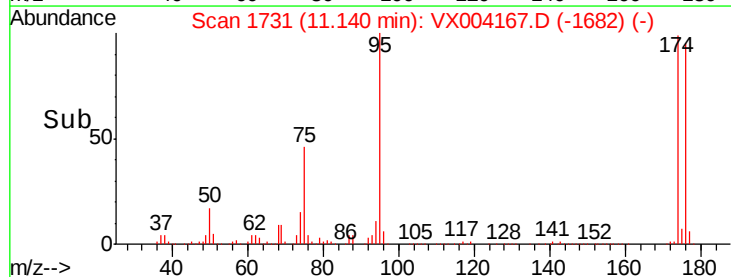
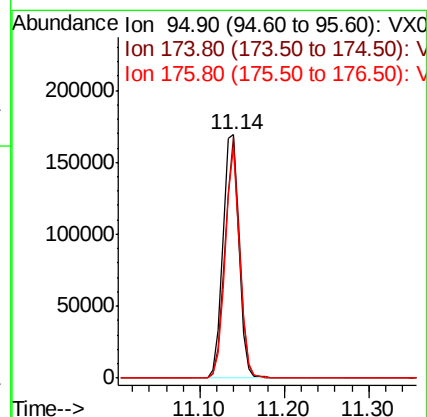
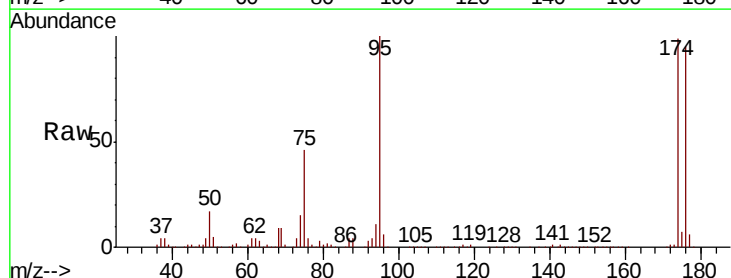
Tgt Ion: 95 Resp: 225164

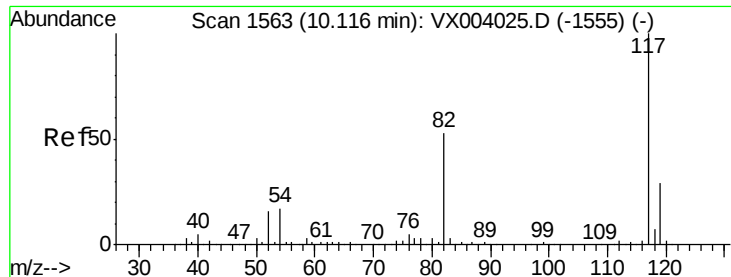
Ion Ratio Lower Upper

95 100

174 90.7 0.0 182.8

176 85.9 0.0 179.0

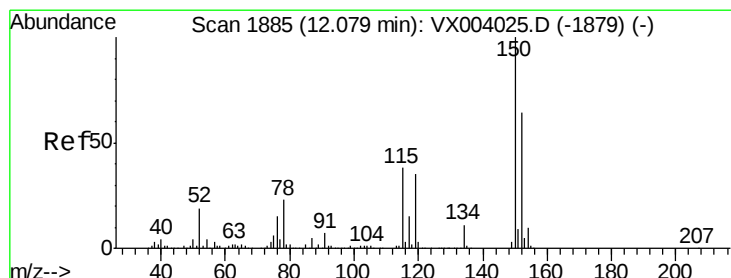
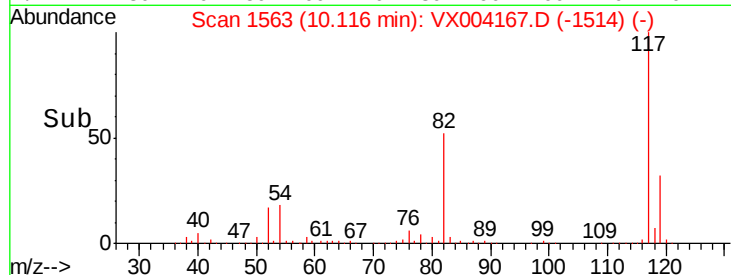
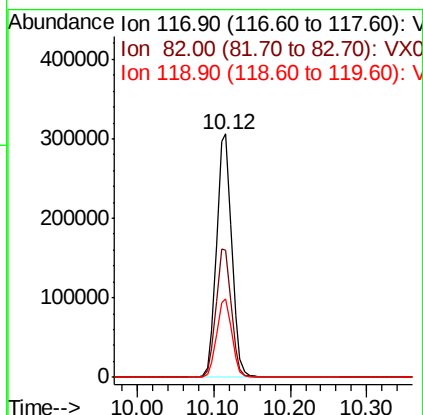
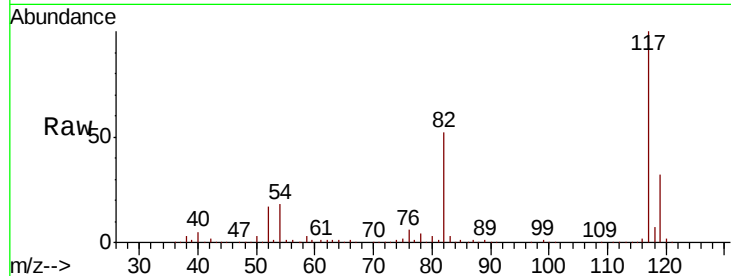




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004167.D  
Acq: 21 Aug 2018 11:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0821WBL01

Tot Ion:117 Resp: 421562  
Ion Ratio Lower Upper  
117 100  
82 52.4 45.4 68.0  
119 32.5 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VX004167.D  
Acq: 21 Aug 2018 11:13

Tgt Ion:152 Resp: 214921  
Ion Ratio Lower Upper  
152 100  
115 54.3 39.1 117.3  
150 156.9 0.0 349.2

