

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\  
 Data File : VX003921.D  
 Acq On : 08 Aug 2018 14:12  
 Operator : JC/MD  
 Sample : J4383-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 JTY-GW-TB

Quant Time: Aug 09 11:09:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 303882   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 467596   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 446515   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 249450   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 204819   | 50.85 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.70% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 174260   | 49.19 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.38%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 663438   | 48.16 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.32%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 235117   | 52.75 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.50% |      |

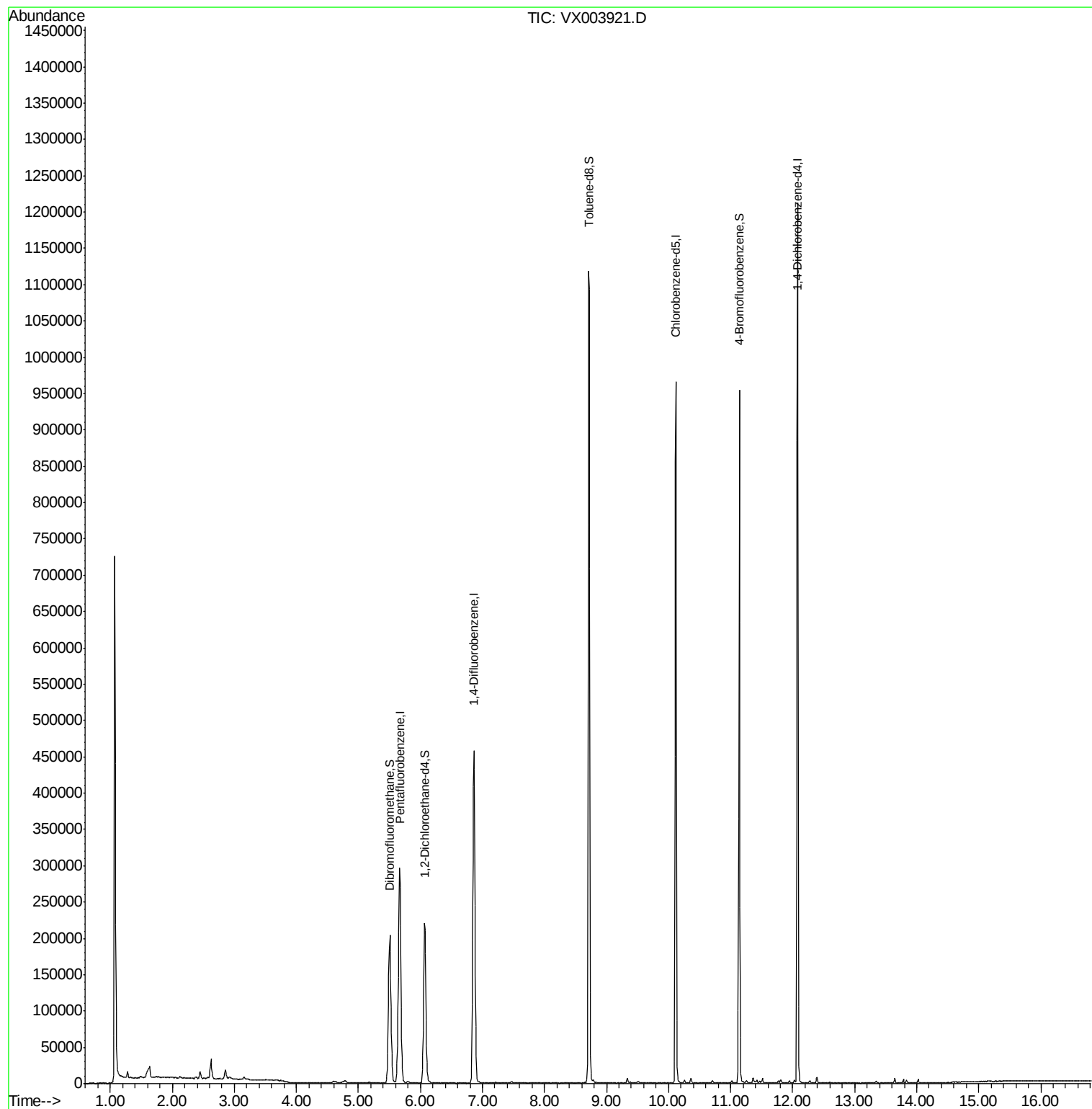
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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QLast Update : Tue Aug 07 07:45:48 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA\_X

ClientSampleId :

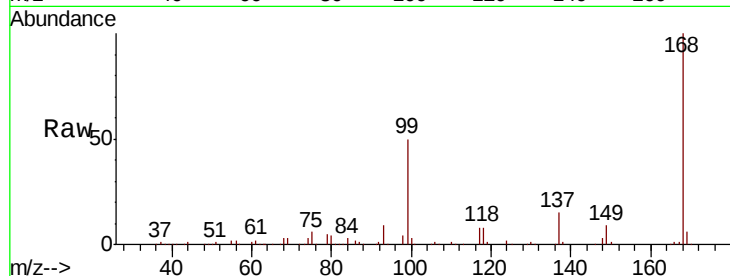
JTY-GW-TB

Tot Ion:168 Resp: 303882

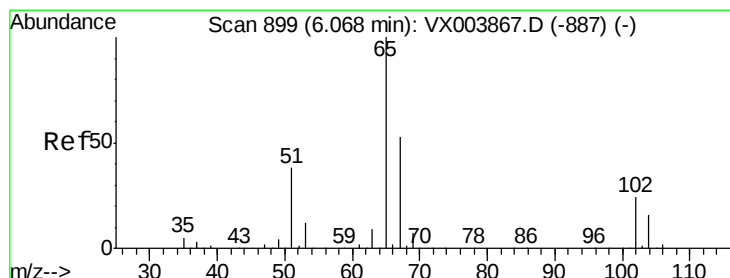
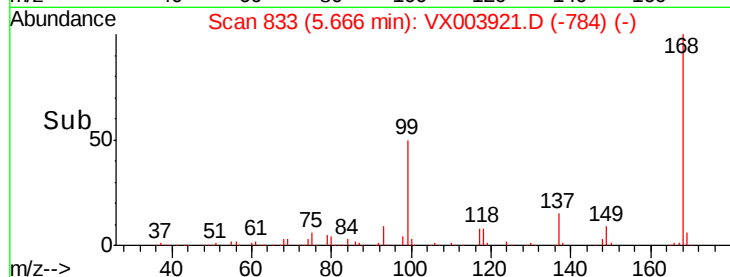
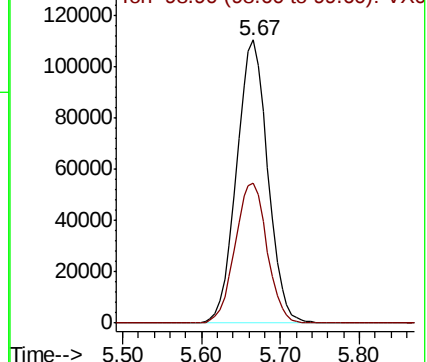
Ion Ratio Lower Upper

168 100

99 49.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): VX003867.D (-819) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.85 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003921.D

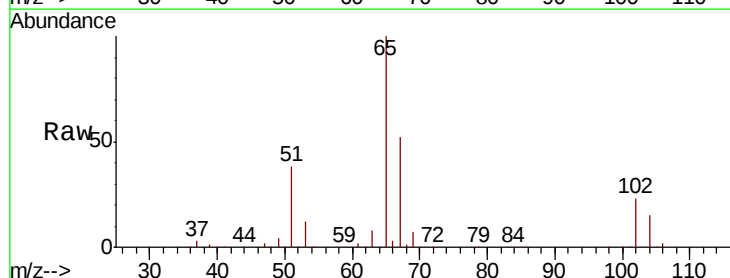
Acq: 08 Aug 2018 14:12

Tgt Ion: 65 Resp: 204819

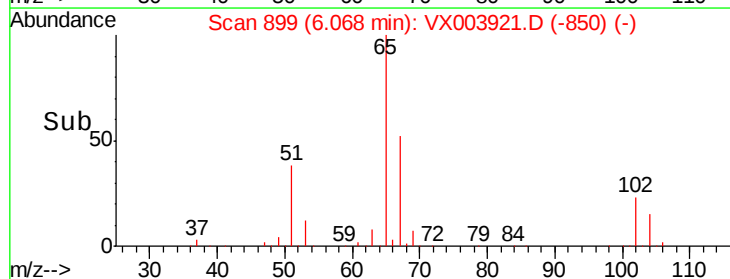
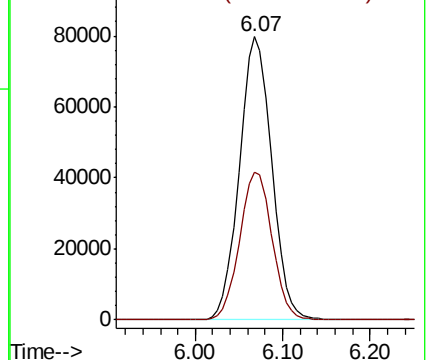
Ion Ratio Lower Upper

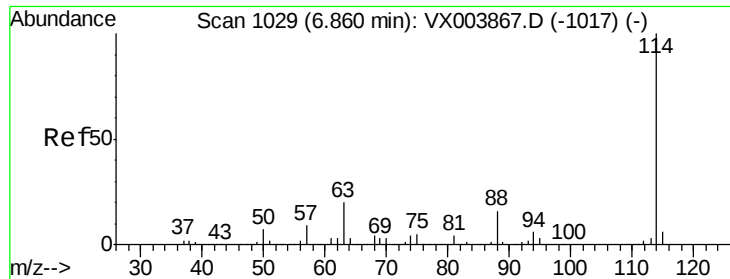
65 100

67 52.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX003867.D (-887) (-)

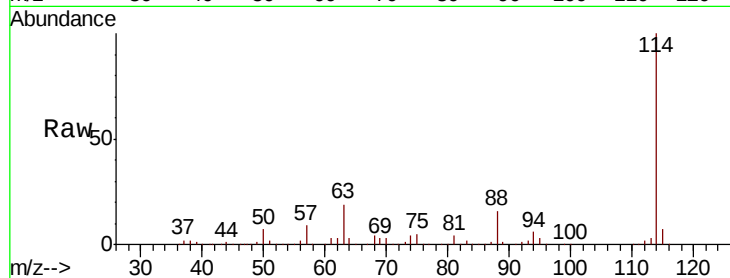




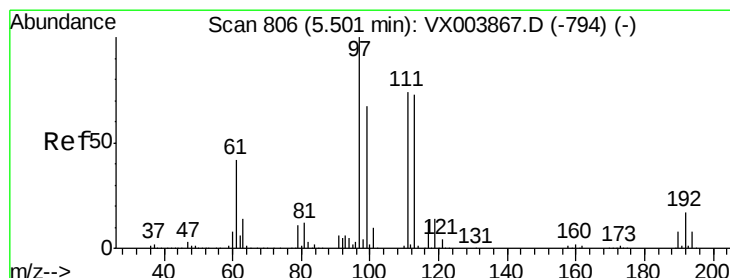
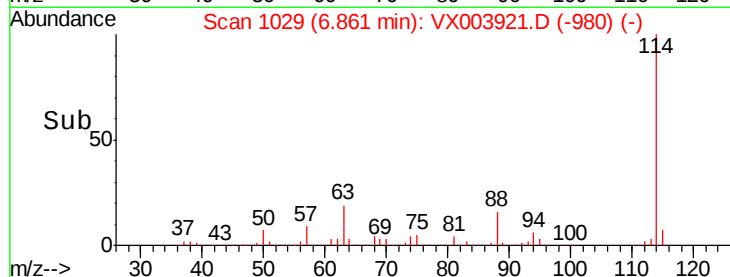
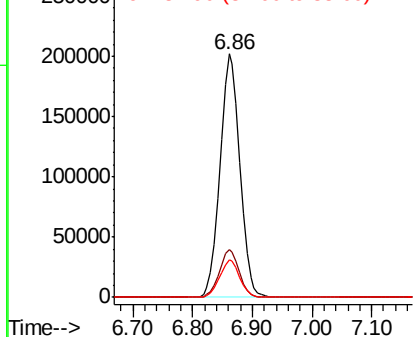
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: VX003921.D  
 Acq: 08 Aug 2018 14:12

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 JTY-GW-TB

Tot Ion:114 Resp: 467596  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.0  
 88 15.6 0.0 32.0

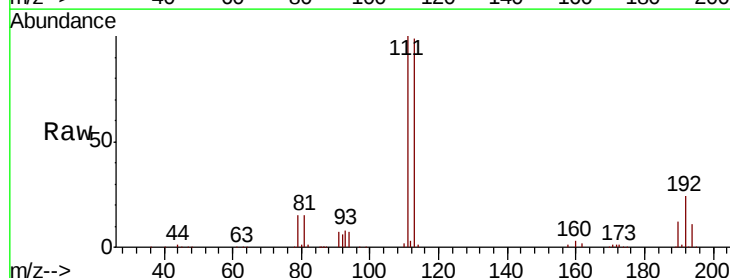


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

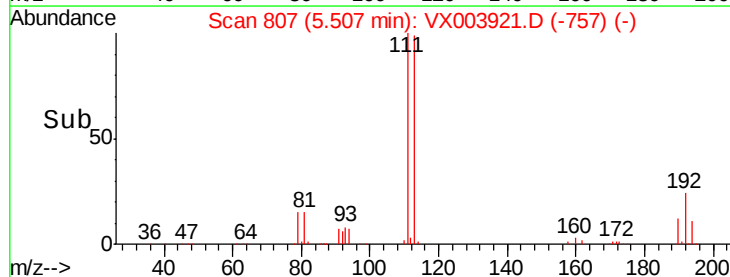
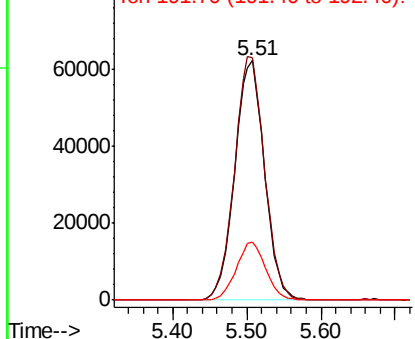


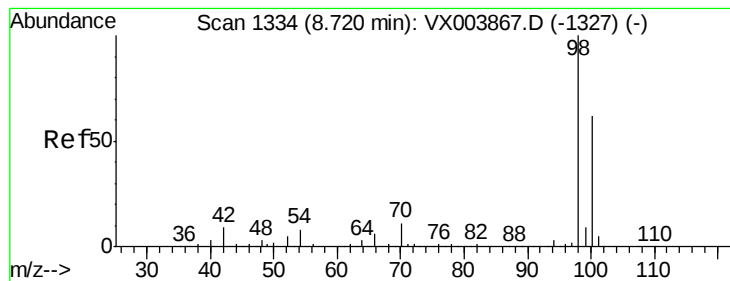
#35  
 Dibromofluoromethane  
 Concen: 49.19 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.01 min  
 Lab File: VX003921.D  
 Acq: 08 Aug 2018 14:12

Tgt Ion:113 Resp: 174260  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 82.0 123.0  
 192 23.8 19.0 28.4



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: 48.16 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

Instrument :

MSVOA\_X

ClientSampleId :

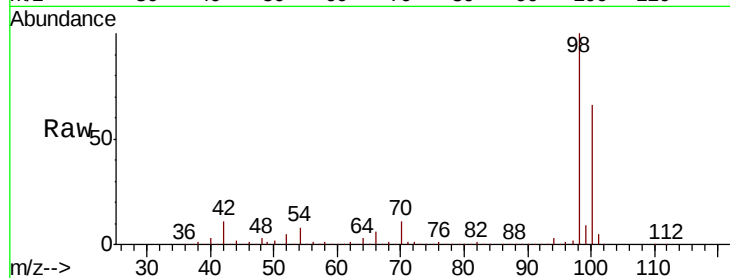
JTY-GW-TB

Tot Ion: 98 Resp: 663438

Ion Ratio Lower Upper

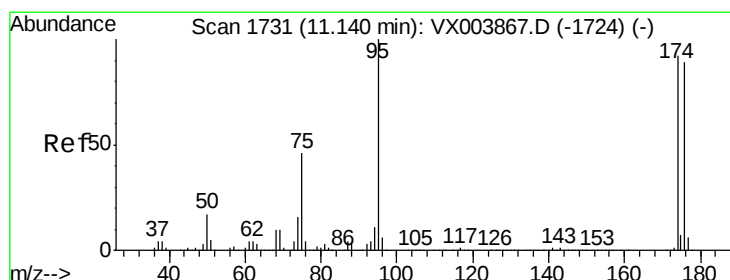
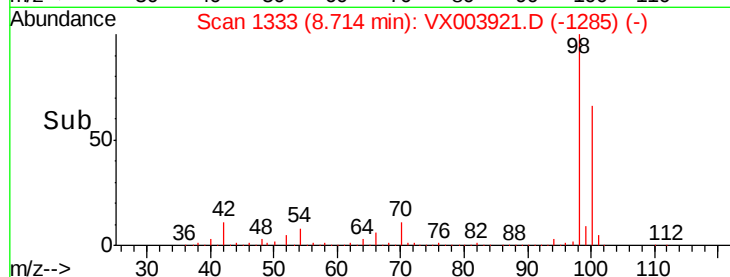
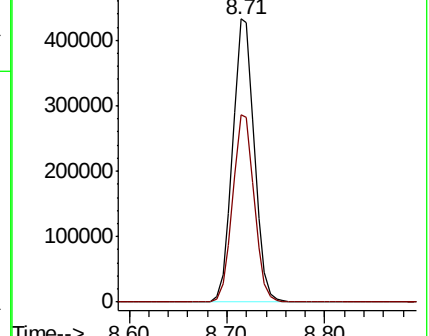
98 100

100 65.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V>



#62

4-Bromofluorobenzene

Concen: 52.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003921.D

Acq: 08 Aug 2018 14:12

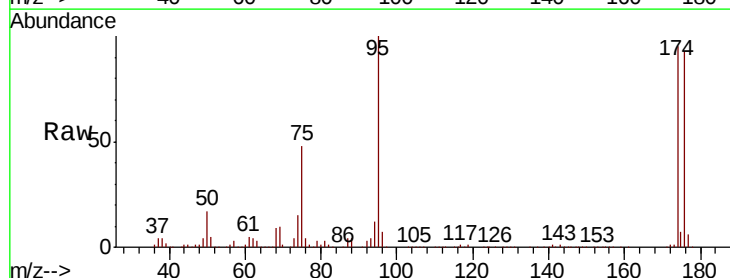
Tgt Ion: 95 Resp: 235117

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

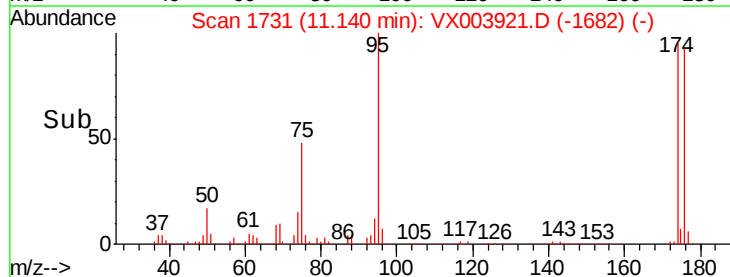
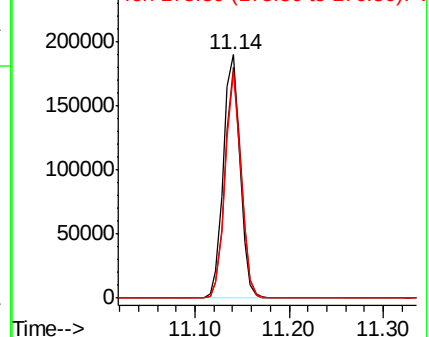
176 88.2 0.0 179.0

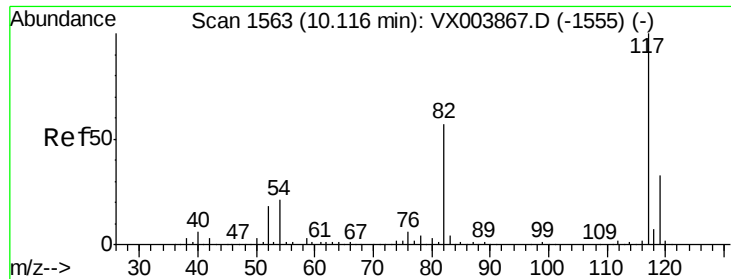


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

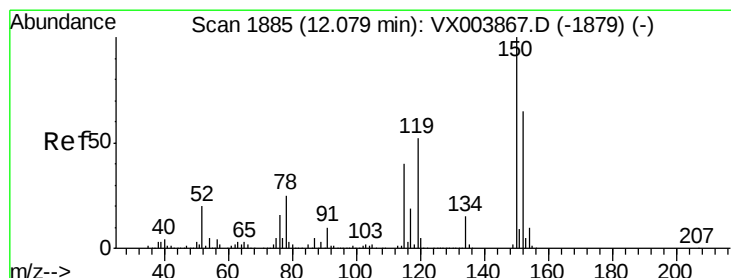
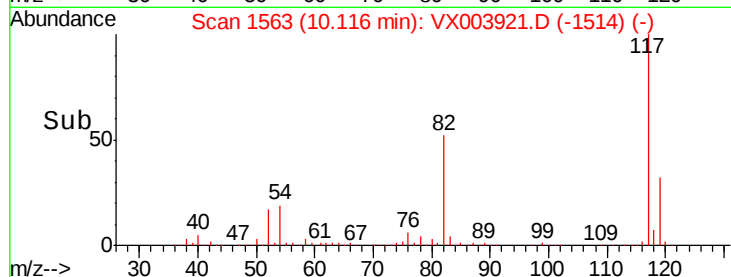
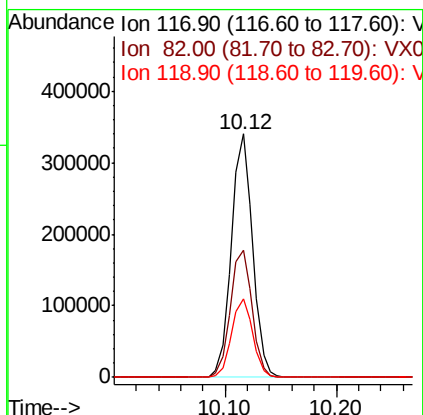
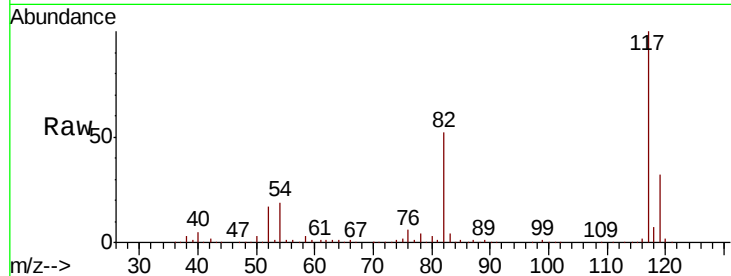




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003921.D  
Acq: 08 Aug 2018 14:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
JTY-GW-TB

Tot Ion:117 Resp: 446515  
Ion Ratio Lower Upper  
117 100  
82 52.0 45.4 68.0  
119 32.1 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: VX003921.D  
Acq: 08 Aug 2018 14:12

Tgt Ion:152 Resp: 249450  
Ion Ratio Lower Upper  
152 100  
115 55.1 39.1 117.3  
150 157.6 0.0 349.2

