

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\  
 Data File : VX003014.D  
 Acq On : 29 Jun 2018 05:22  
 Operator : JC/MD  
 Sample : J3720-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-13

Quant Time: Jun 29 10:18:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 289564   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 407510   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 376787   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 210554   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 193855   | 48.44 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.88% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 156720   | 48.56 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.12% |      |
| 50) Toluene-d8              | 8.72   | 98  | 568728   | 48.26 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.52% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 200289   | 44.07 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.14% |      |

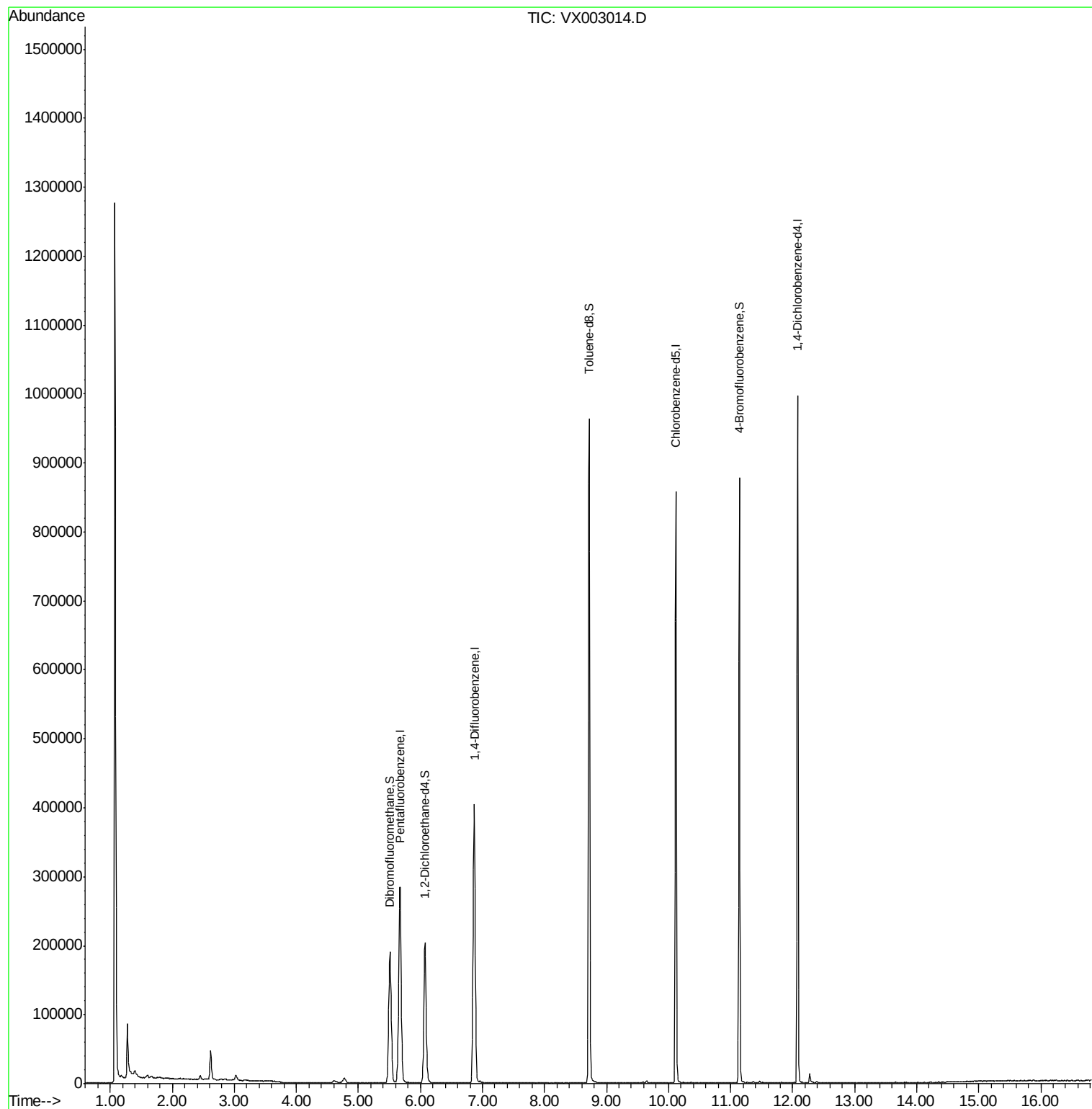
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

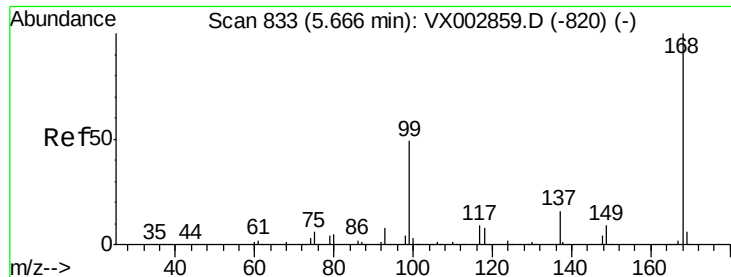
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 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: VX003014.D

Acq: 29 Jun 2018 05:22

Instrument :

MSVOA\_X

ClientSampleId :

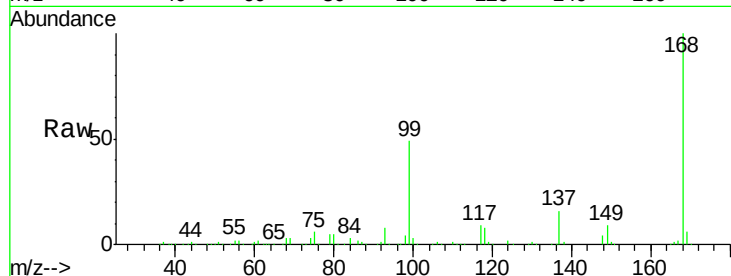
MW-13

Tot Ion:168 Resp: 289564

Ion Ratio Lower Upper

168 100

99 48.7 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

120000

100000

80000

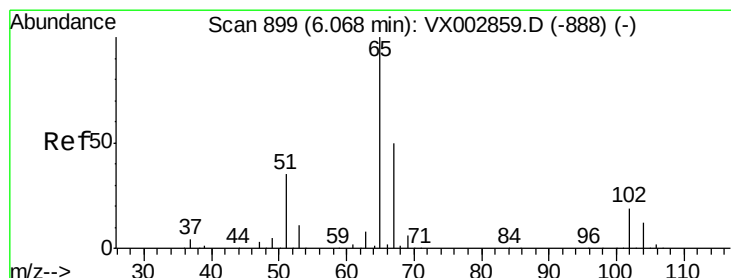
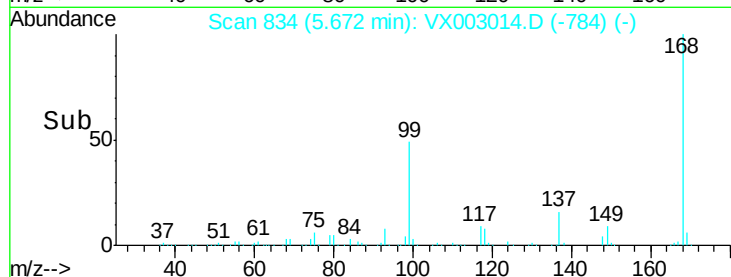
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.44 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003014.D

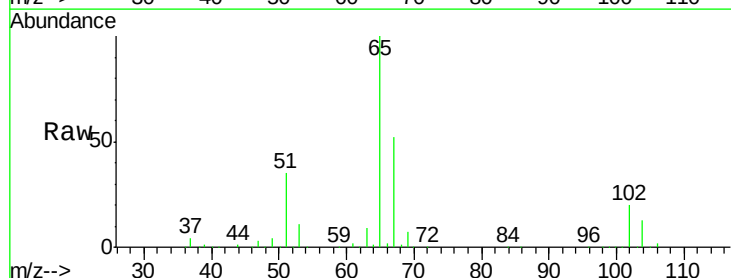
Acq: 29 Jun 2018 05:22

Tgt Ion: 65 Resp: 193855

Ion Ratio Lower Upper

65 100

67 51.3 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

80000

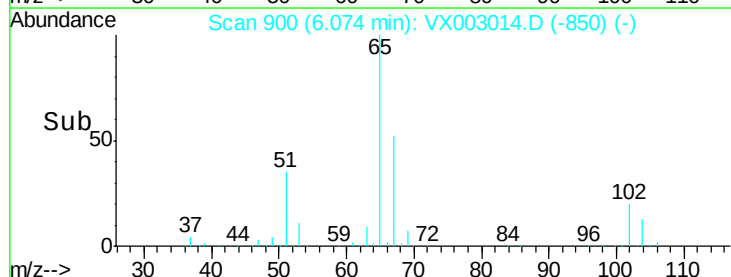
60000

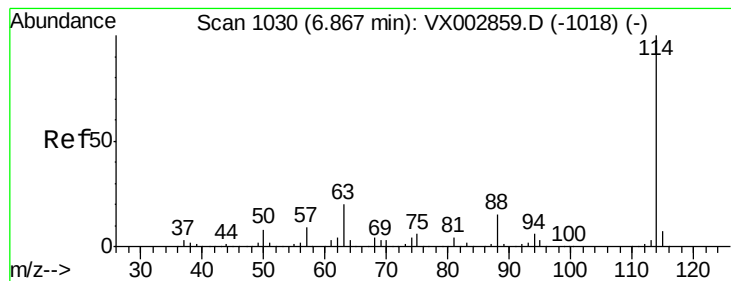
40000

20000

0

Time--> 5.90 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: VX003014.D

Acq: 29 Jun 2018 05:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-13

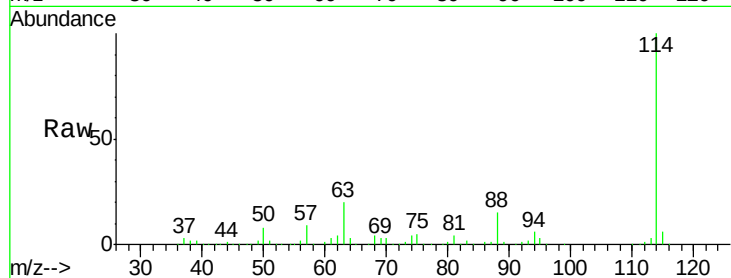
Tot Ion:114 Resp: 407510

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

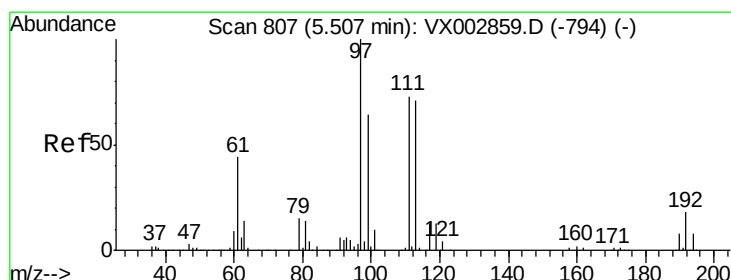
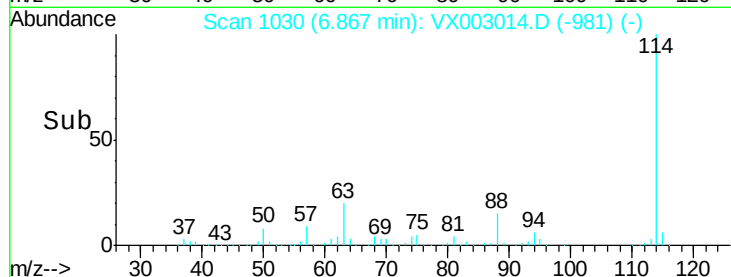
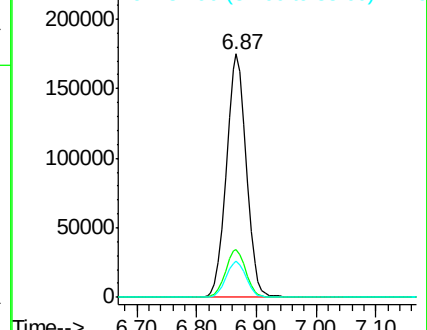
88 14.9 0.0 30.0



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: 48.56 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003014.D

Acq: 29 Jun 2018 05:22

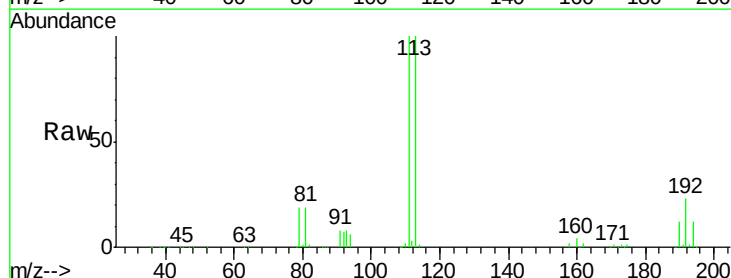
Tgt Ion:113 Resp: 156720

Ion Ratio Lower Upper

113 100

111 100.6 81.4 122.0

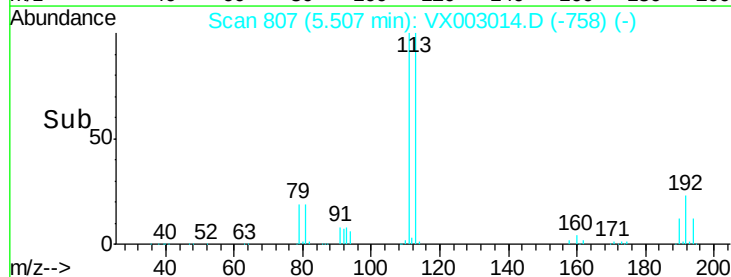
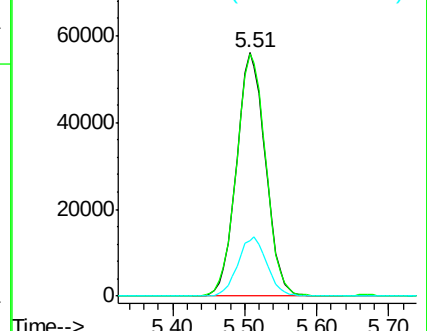
192 24.3 19.1 28.7

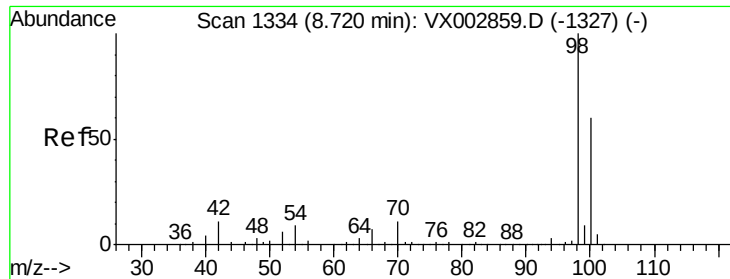


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

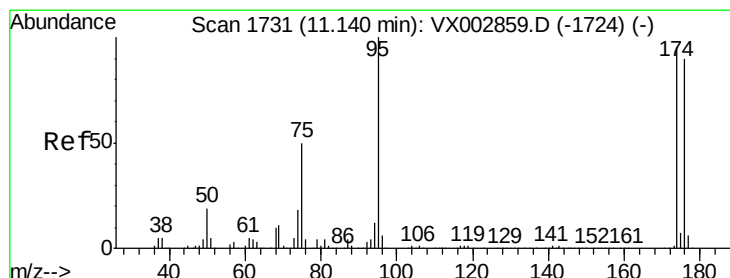
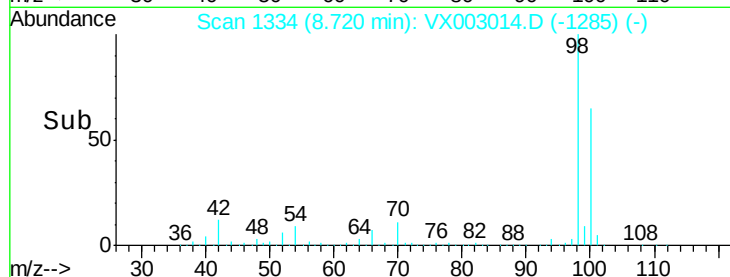
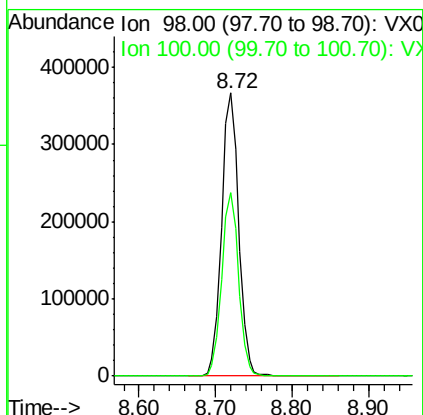
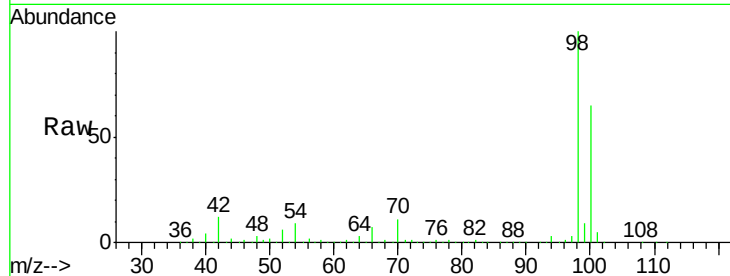




#50  
Toluene-d8  
Concen: 48.26 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003014.D  
Acq: 29 Jun 2018 05:22

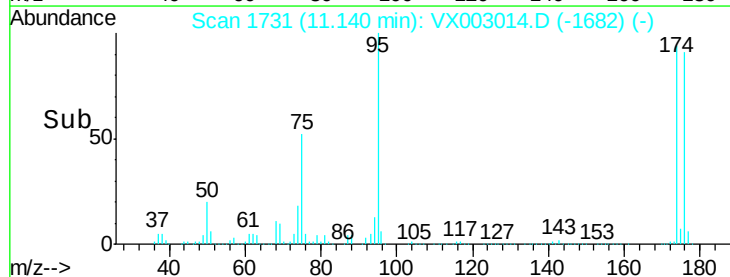
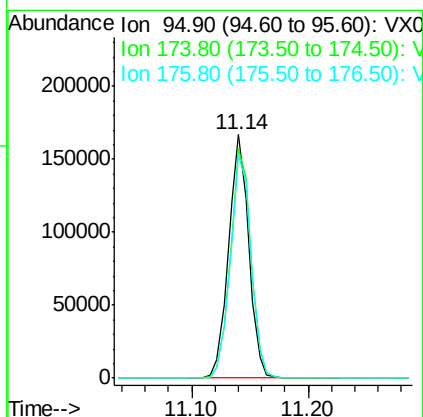
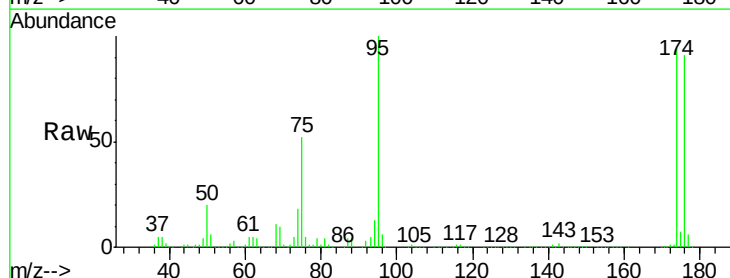
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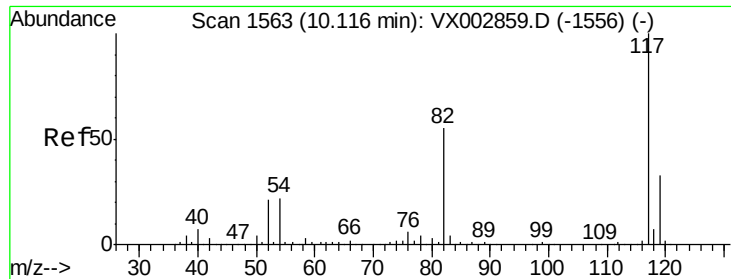
Tot Ion: 98 Resp: 568728  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 44.07 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003014.D  
Acq: 29 Jun 2018 05:22

Tgt Ion: 95 Resp: 200289  
Ion Ratio Lower Upper  
95 100  
174 97.0 0.0 187.4  
176 94.5 0.0 181.0

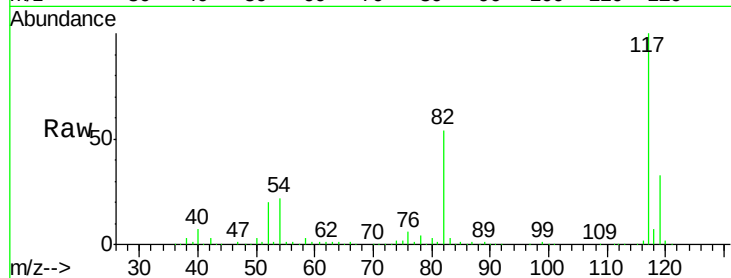




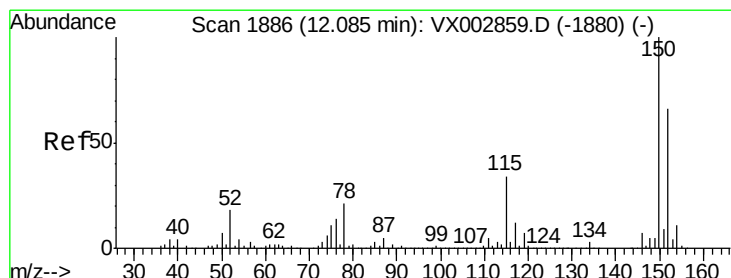
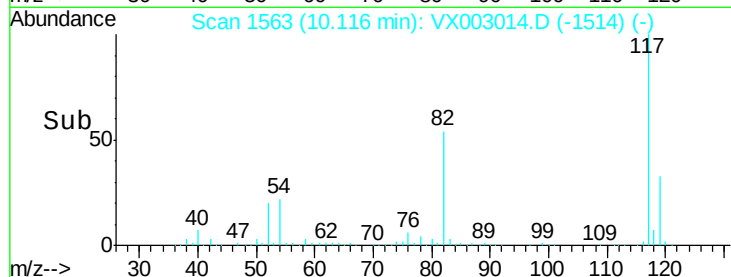
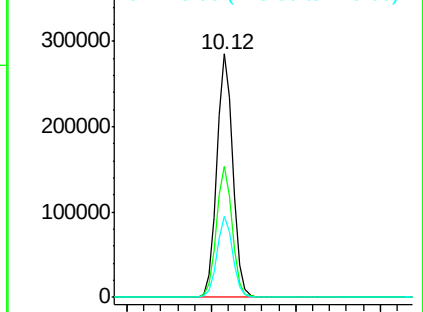
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX003014.D  
Acq: 29 Jun 2018 05:22

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-13

Tot Ion:117 Resp: 376787  
Ion Ratio Lower Upper  
117 100  
82 53.9 45.0 67.4  
119 33.2 25.8 38.6

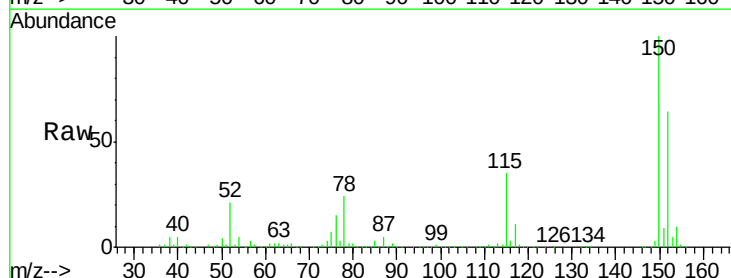


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: VX003014.D  
Acq: 29 Jun 2018 05:22

Tgt Ion:152 Resp: 210554  
Ion Ratio Lower Upper  
152 100  
115 53.7 40.1 120.2  
150 155.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

