

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\  
 Data File : VX001548.D  
 Acq On : 09 May 2018 07:21  
 Operator : JC/MD  
 Sample : J2687-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TB04-20180501

Quant Time: May 10 12:02:01 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:59:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 241609   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 331448   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 298169   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 167851   | 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   | 204619   | 58.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.84% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 157914   | 53.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.12% |          |
| 50) Toluene-d8              | 8.72  | 98   | 570393   | 53.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.00% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 188828   | 45.71 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.42%  |          |

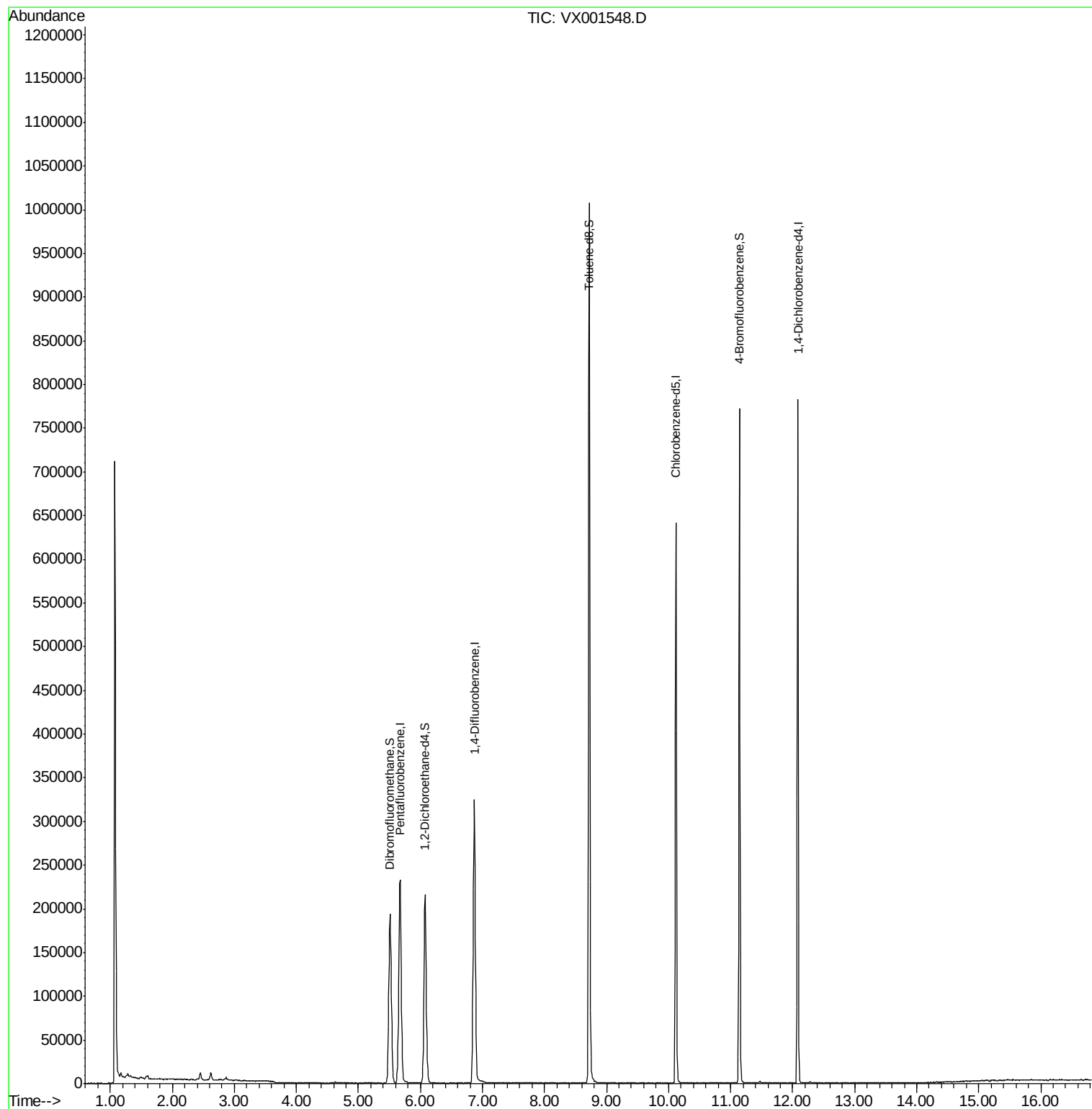
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

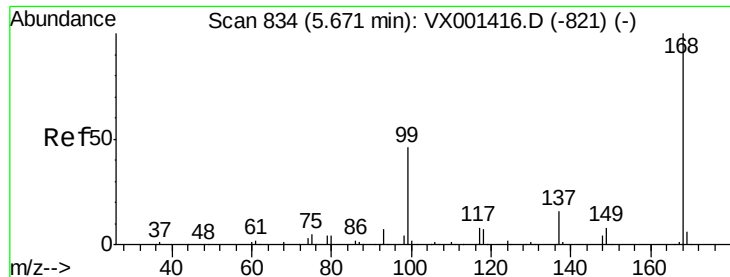
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

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MSVOA\_X

ClientSampleId :

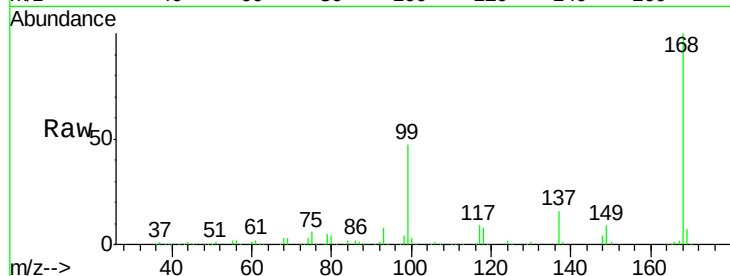
BP-TB04-20180501

Tot Ion:168 Resp: 241609

Ion Ratio Lower Upper

168 100

99 47.1 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

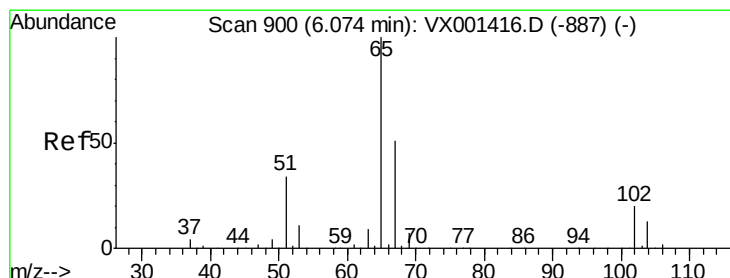
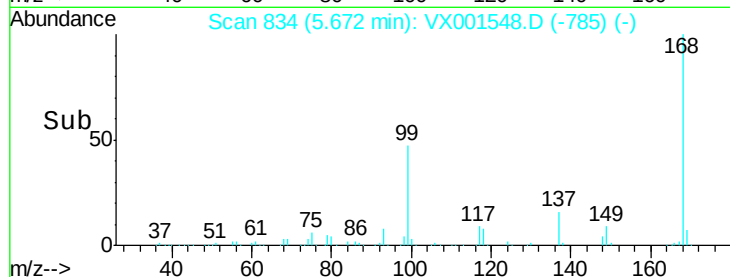
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 58.92 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001548.D

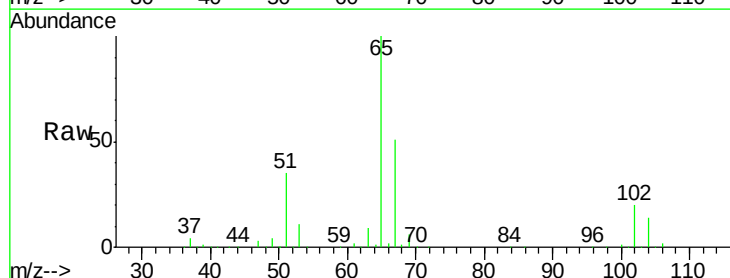
Acq: 09 May 2018 07:21

Tgt Ion: 65 Resp: 204619

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

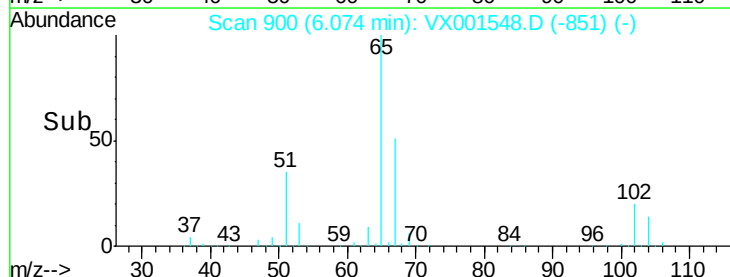
60000

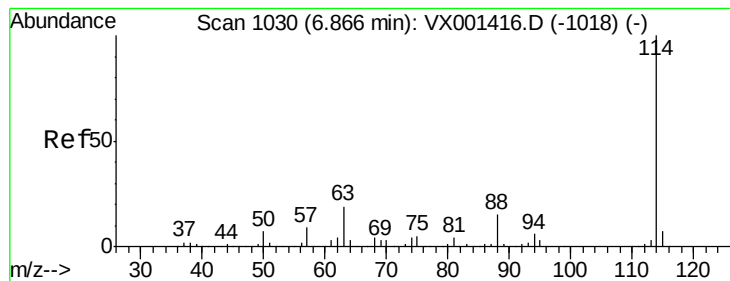
40000

20000

0

Time--> 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: VX001548.D

Acq: 09 May 2018 07:21

Instrument :

MSVOA\_X

ClientSampleId :

BP-TB04-20180501

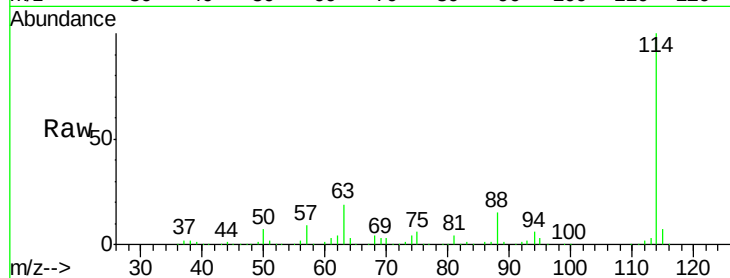
Tot Ion:114 Resp: 331448

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

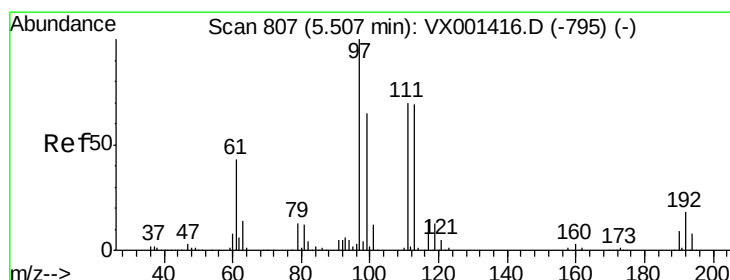
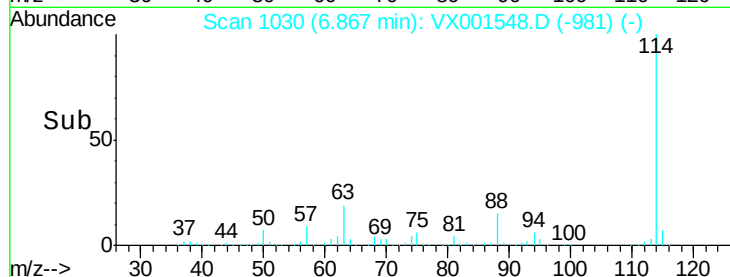
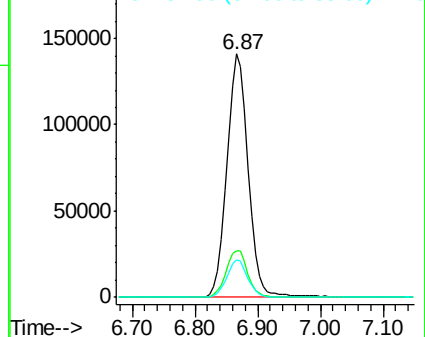
88 15.2 0.0 30.8



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: 53.56 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001548.D

Acq: 09 May 2018 07:21

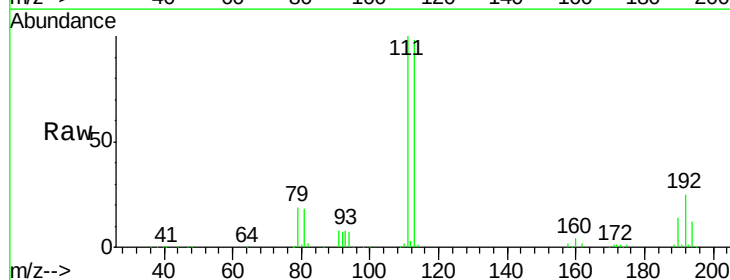
Tgt Ion:113 Resp: 157914

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

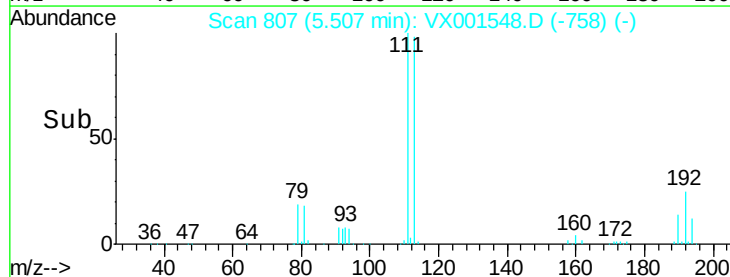
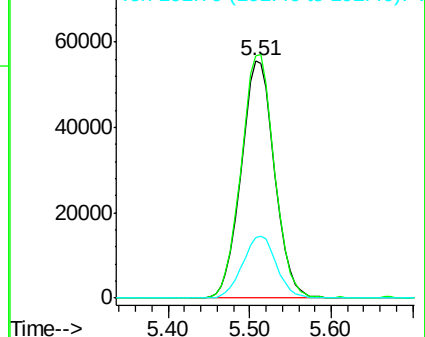
192 26.6 21.4 32.0

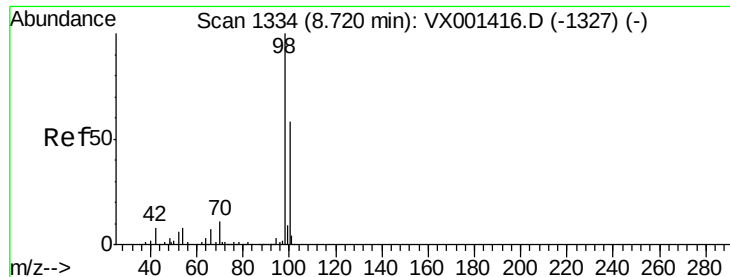


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

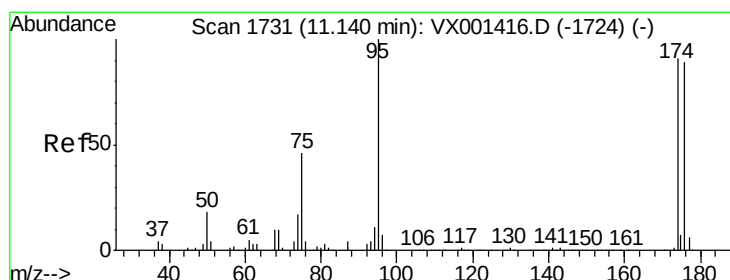
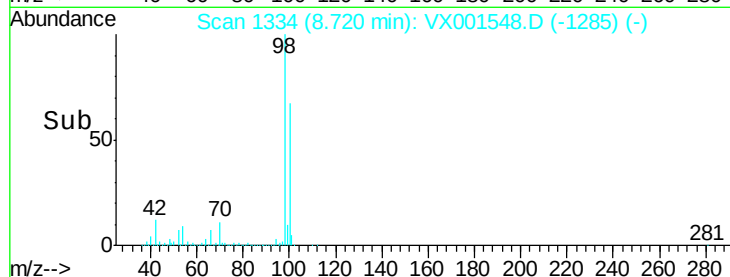
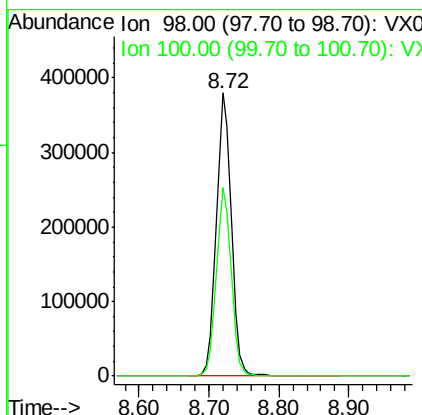
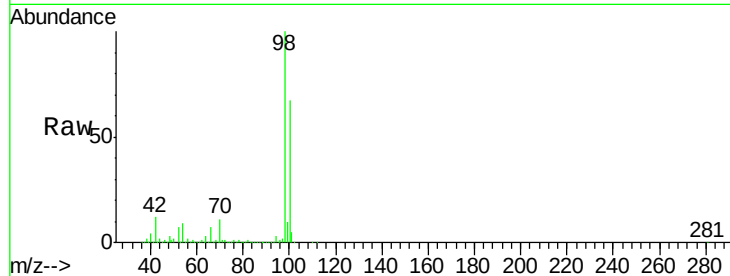




#50  
Toluene-d8  
Concen: 53.00 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX001548.D  
Acq: 09 May 2018 07:21

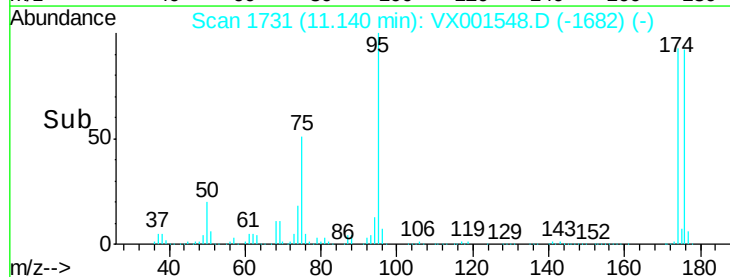
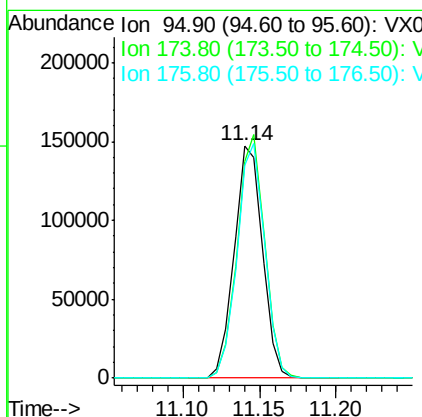
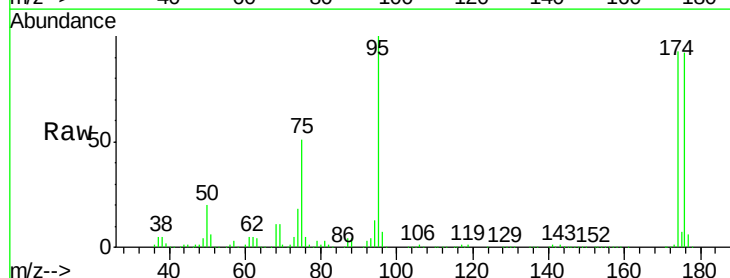
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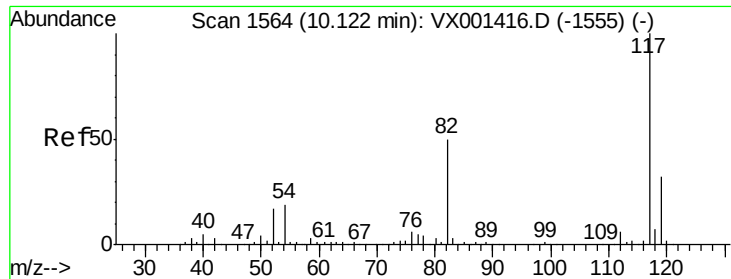
Tot Ion: 98 Resp: 570393  
Ion Ratio Lower Upper  
98 100  
100 66.0 54.0 81.0



#62  
4-Bromofluorobenzene  
Concen: 45.71 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001548.D  
Acq: 09 May 2018 07:21

Tgt Ion: 95 Resp: 188828  
Ion Ratio Lower Upper  
95 100  
174 101.7 0.0 202.0  
176 98.9 0.0 197.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001548.D

Acq: 09 May 2018 07:21

Instrument :

MSVOA\_X

ClientSampleId :

BP-TB04-20180501

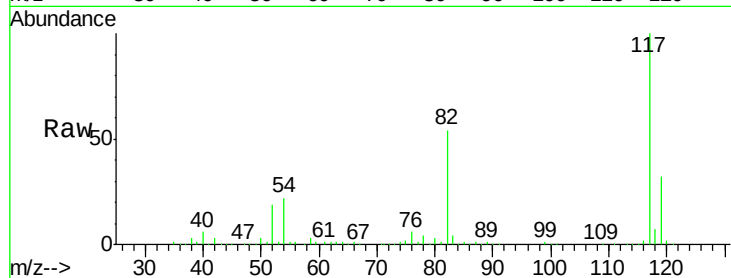
Tot Ion:117 Resp: 298169

Ion Ratio Lower Upper

117 100

82 54.0 40.0 60.0

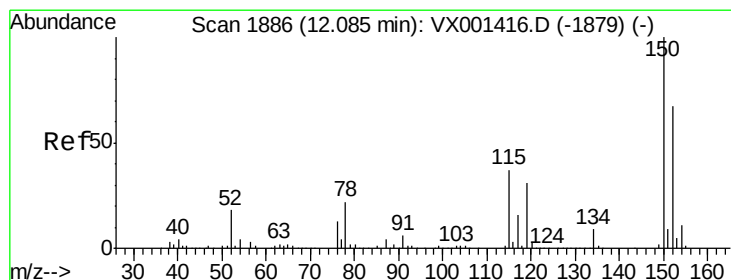
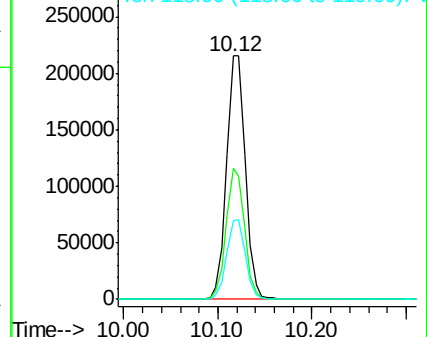
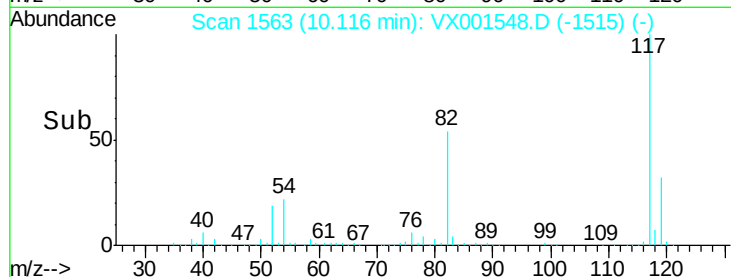
119 32.2 25.8 38.8



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001548.D

Acq: 09 May 2018 07:21

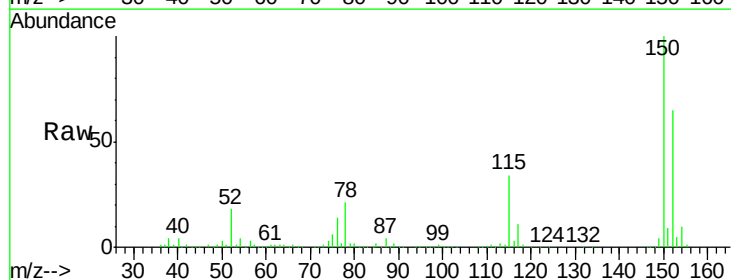
Tgt Ion:152 Resp: 167851

Ion Ratio Lower Upper

152 100

115 52.7 37.7 113.1

150 155.4 0.0 349.4



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

