

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\  
 Data File : VX000928.D  
 Acq On : 16 Apr 2018 19:14  
 Operator : JC/MD  
 Sample : J2308-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-01-180409

Quant Time: Apr 17 10:33:04 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 252777   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 348985   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 321360   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 206668   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 153115   | 48.04 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.08% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 121151   | 45.06 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.12% |          |
| 50) Toluene-d8              | 8.72  | 98   | 481725   | 48.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.24% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 186459   | 45.02 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.04% |          |

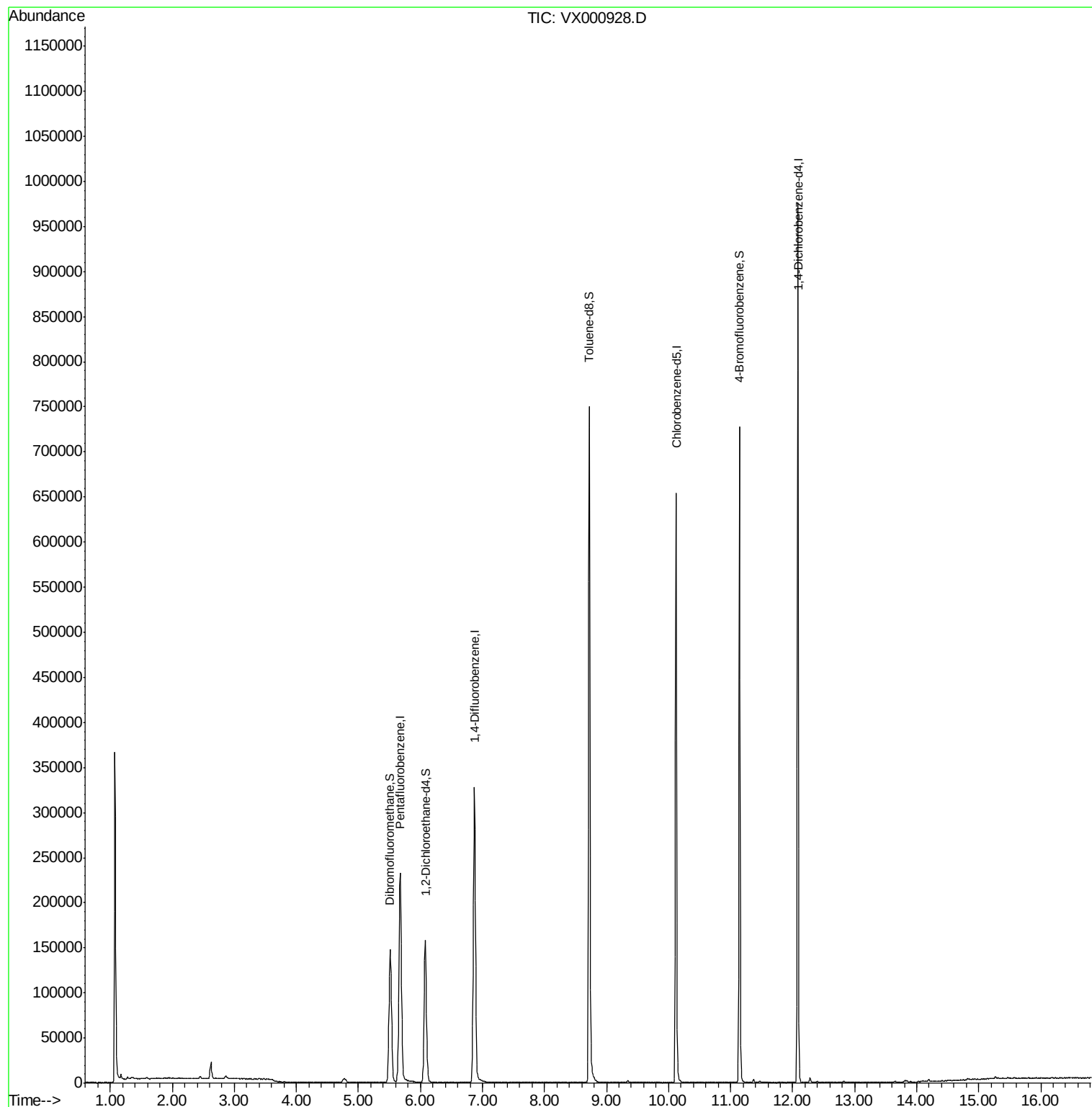
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

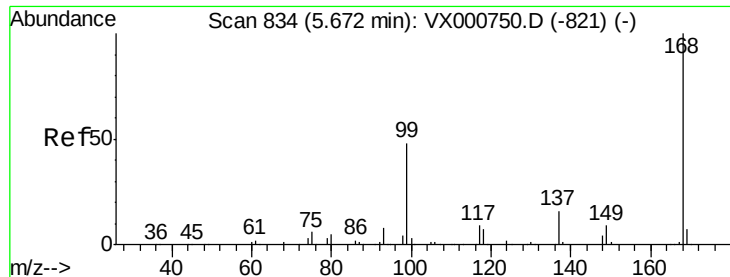
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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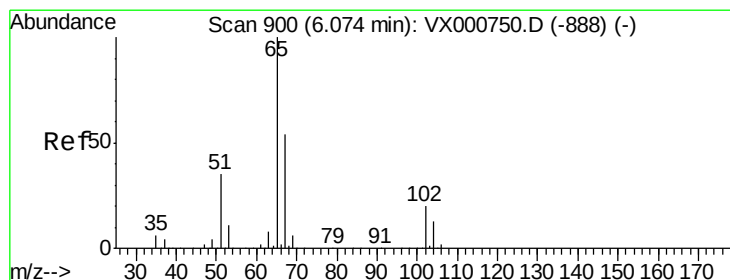
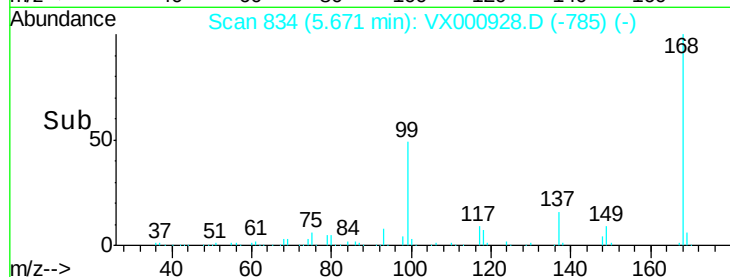
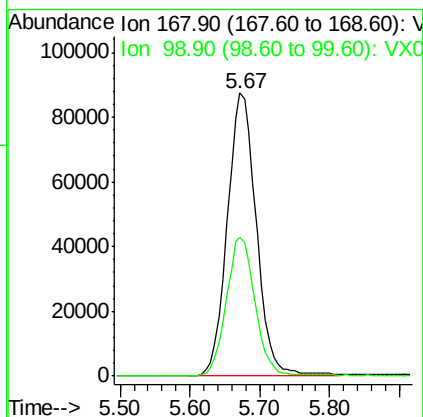
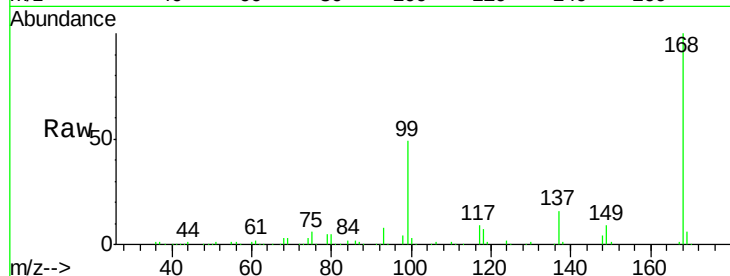




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.67 min Scan# 834  
Delta R.T. -0.00 min  
Lab File: VX000928.D  
Acq: 16 Apr 2018 19:14

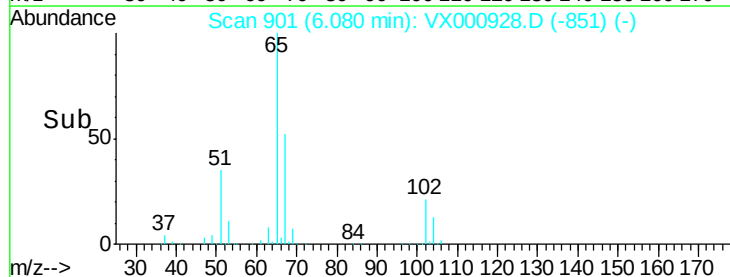
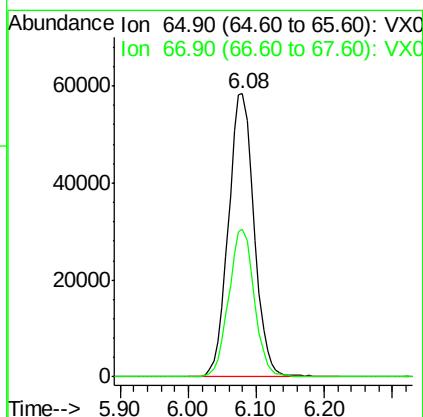
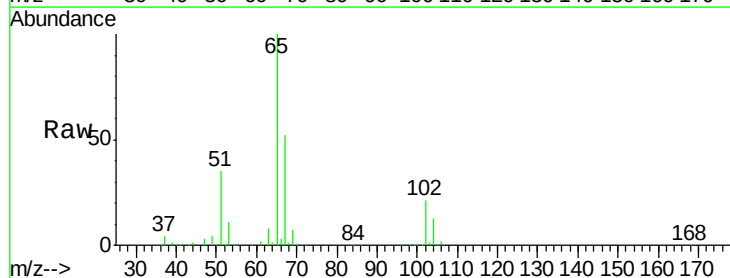
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-180409

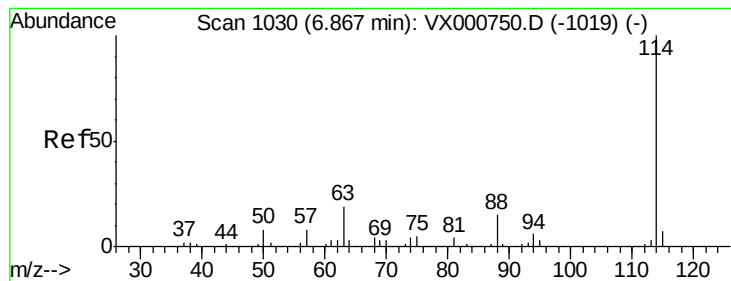
Tot Ion:168 Resp: 252777  
Ion Ratio Lower Upper  
168 100  
99 49.0 38.3 57.5



#33  
1,2-Dichloroethane-d4  
Concen: 48.04 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. 0.01 min  
Lab File: VX000928.D  
Acq: 16 Apr 2018 19:14

Tgt Ion: 65 Resp: 153115  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

Instrument :

MSVOA\_X

ClientSampleId :

TB-01-180409

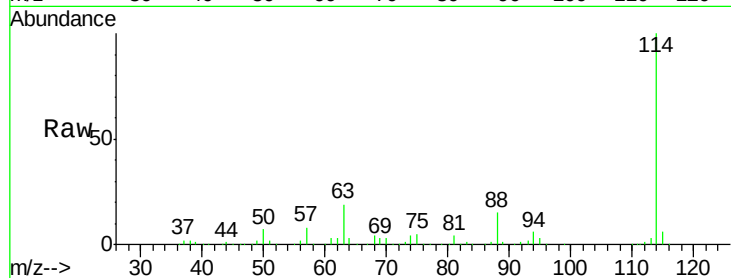
Tot Ion:114 Resp: 348985

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

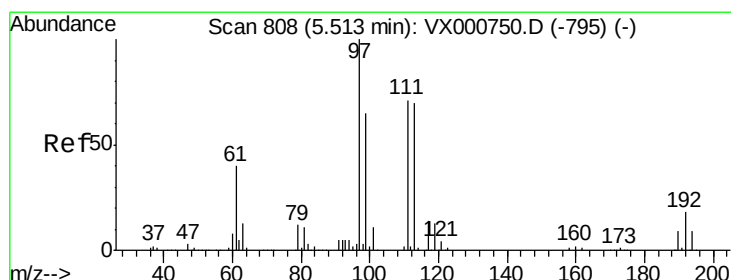
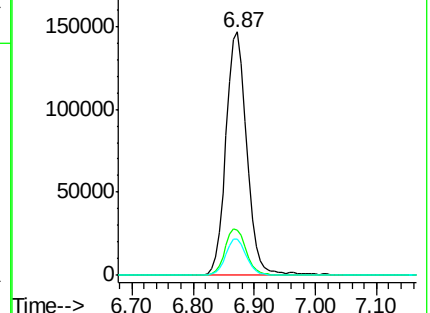
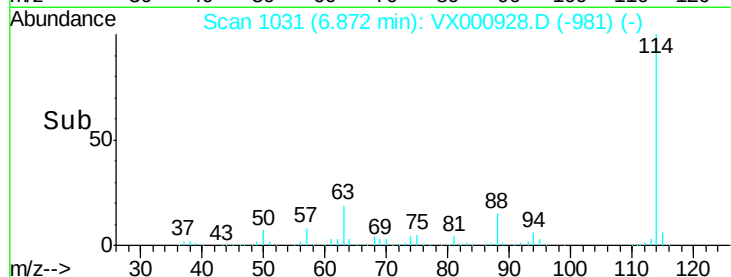
88 14.9 0.0 31.0



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: 45.06 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

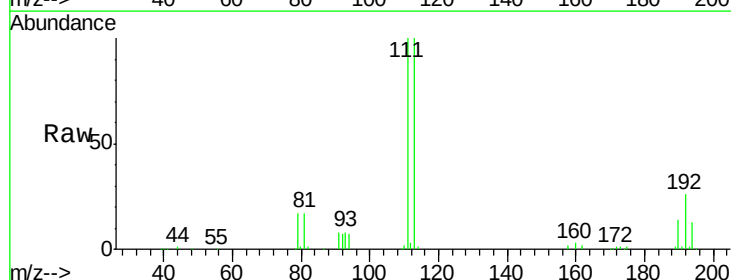
Tgt Ion:113 Resp: 121151

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

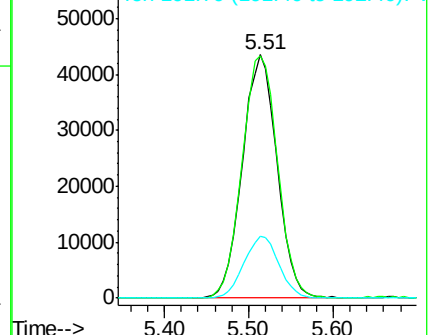
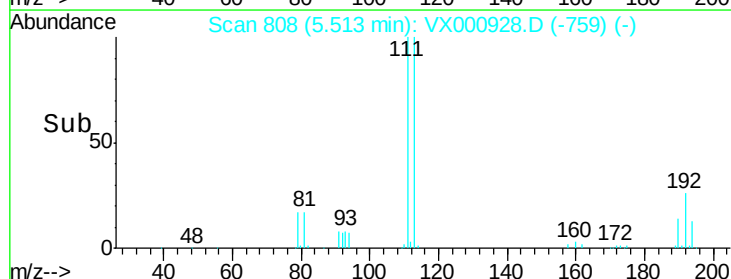
192 25.6 20.4 30.6

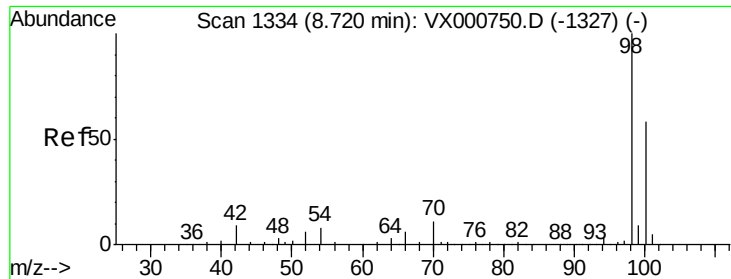


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.12 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

Instrument :

MSVOA\_X

ClientSampleId :

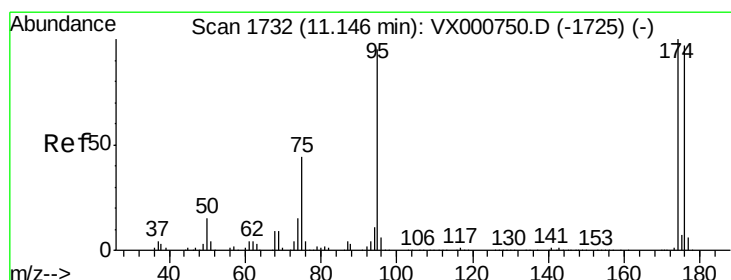
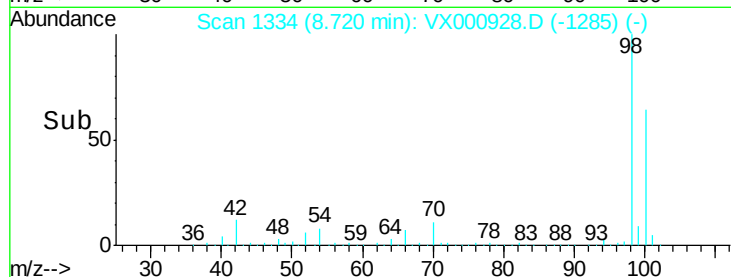
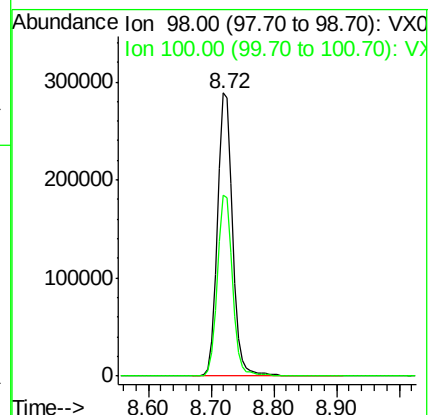
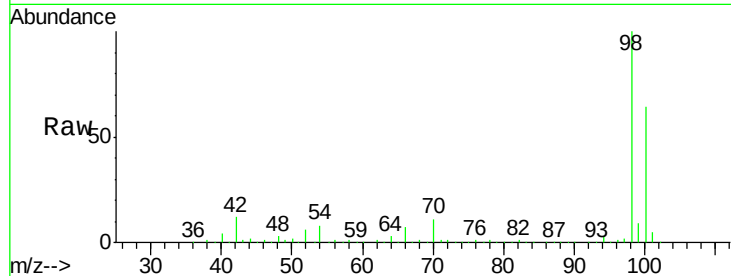
TB-01-180409

Tot Ion: 98 Resp: 481725

Ion Ratio Lower Upper

98 100

100 64.3 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 45.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

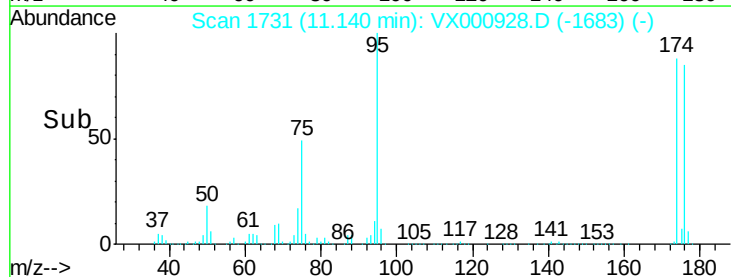
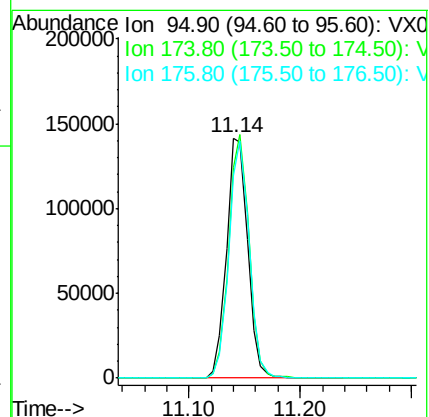
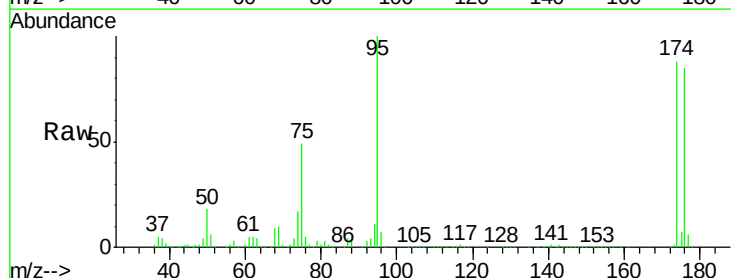
Tgt Ion: 95 Resp: 186459

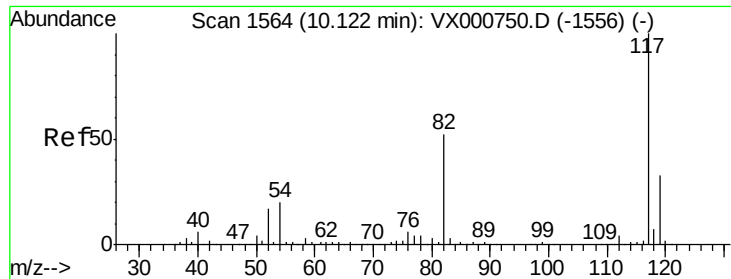
Ion Ratio Lower Upper

95 100

174 97.4 0.0 198.4

176 95.0 0.0 194.4

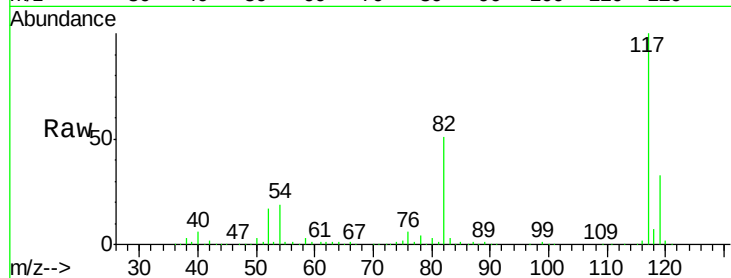




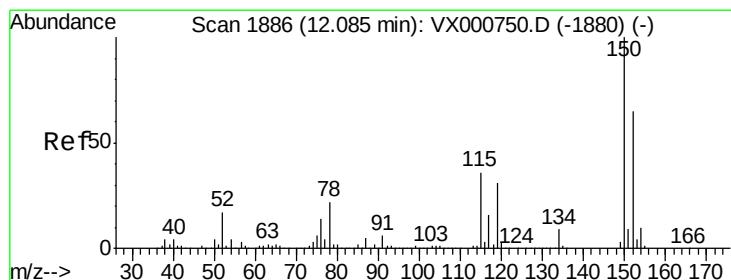
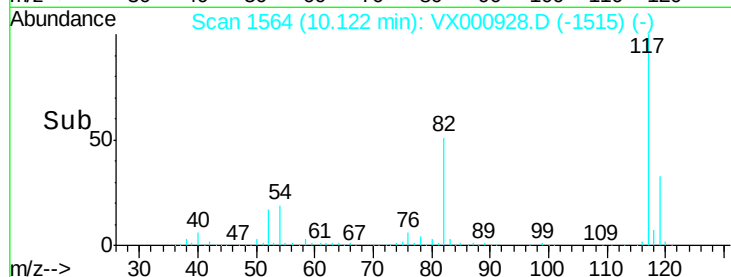
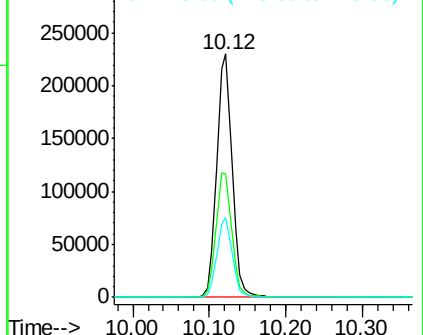
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000928.D  
Acq: 16 Apr 2018 19:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-180409

Tot Ion:117 Resp: 321360  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.9 62.9  
119 32.7 26.0 39.0

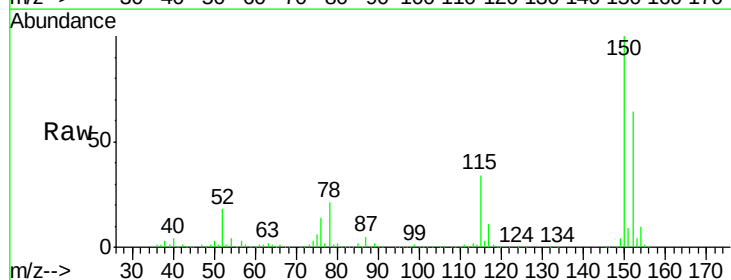


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX000928.D  
Acq: 16 Apr 2018 19:14

Tgt Ion:152 Resp: 206668  
Ion Ratio Lower Upper  
152 100  
115 53.9 37.9 113.7  
150 157.3 0.0 348.0



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

