

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\  
 Data File : VX003064.D  
 Acq On : 30 Jun 2018 07:22  
 Operator : JC/MD  
 Sample : J3675-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S73-0216

Quant Time: Jun 30 09:31:15 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  | 314101   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 434390   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 400271   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 230693   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 201311   | 46.37 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.74% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 167773   | 48.77 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.54% |      |
| 50) Toluene-d8              | 8.72   | 98  | 597917   | 47.60 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.20% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 215845   | 44.55 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.10% |      |

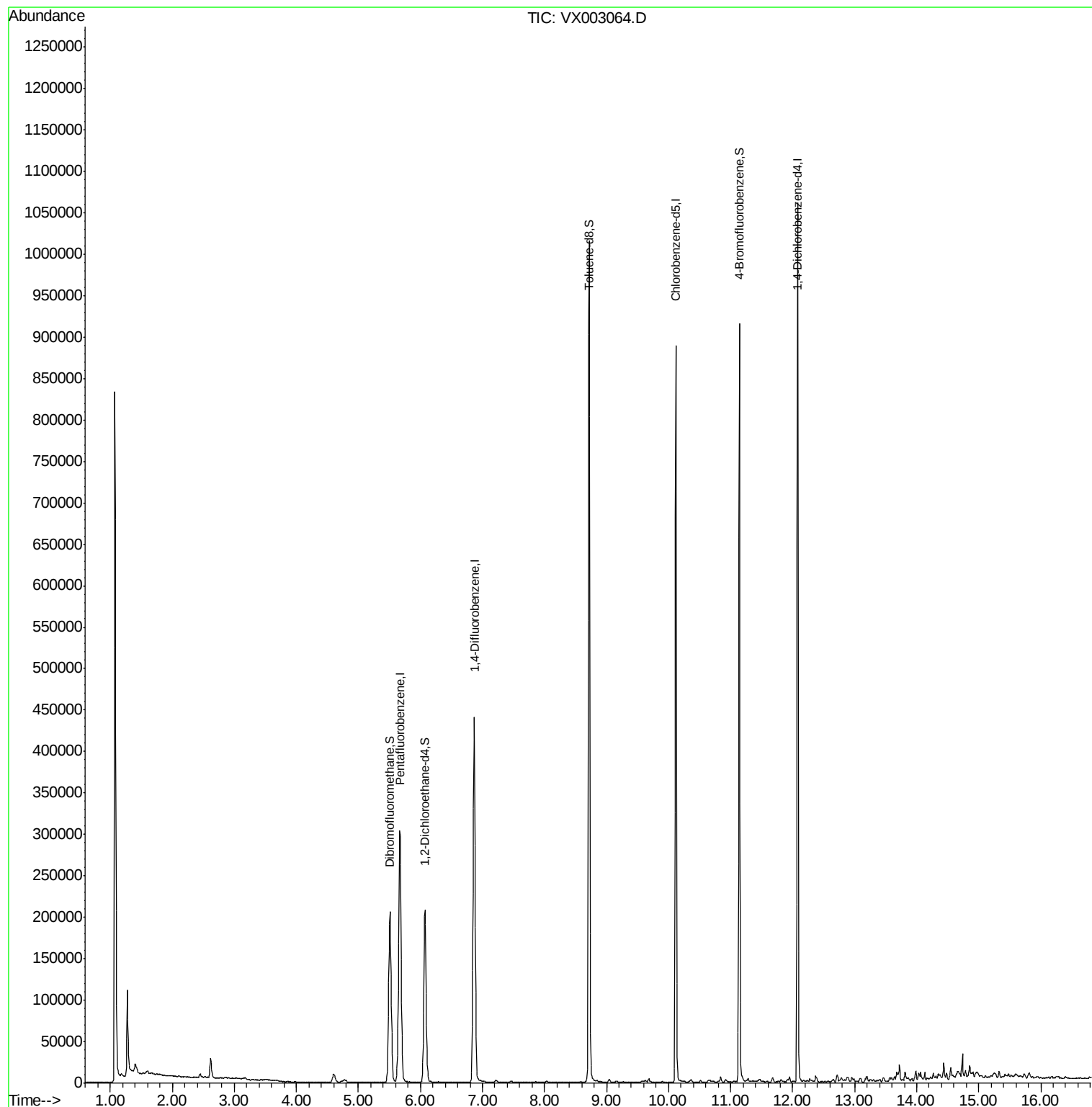
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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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# 833

Delta R.T. -0.00 min

Lab File: VX003064.D

Acq: 30 Jun 2018 07:22

Instrument :

MSVOA\_X

ClientSampleId :

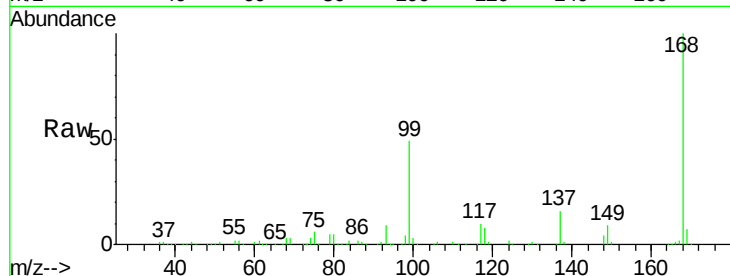
S73-0216

Tot Ion:168 Resp: 314101

Ion Ratio Lower Upper

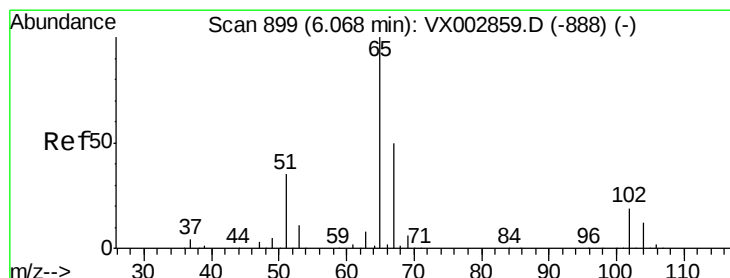
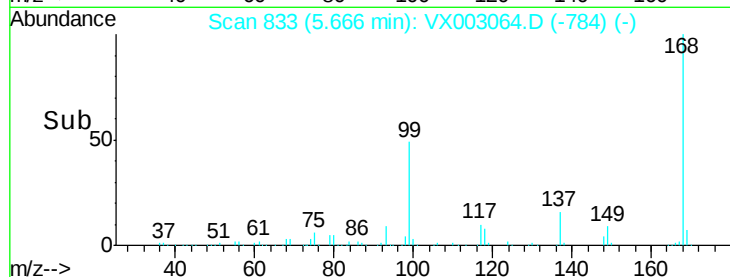
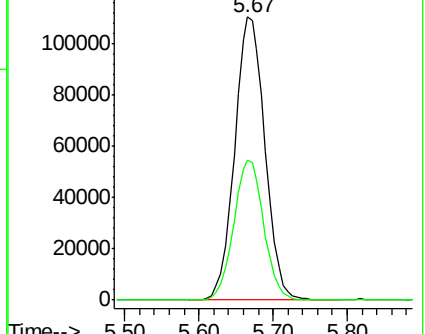
168 100

99 49.3 39.3 58.9



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: 46.37 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003064.D

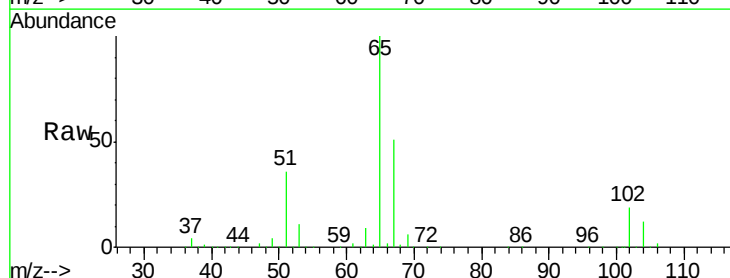
Acq: 30 Jun 2018 07:22

Tgt Ion: 65 Resp: 201311

Ion Ratio Lower Upper

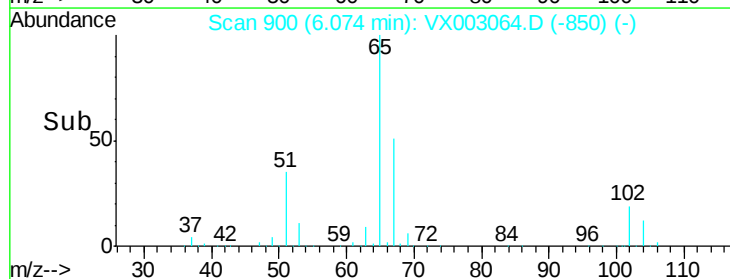
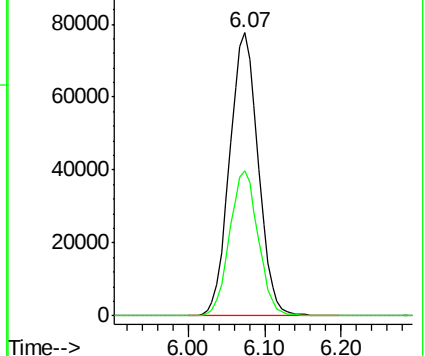
65 100

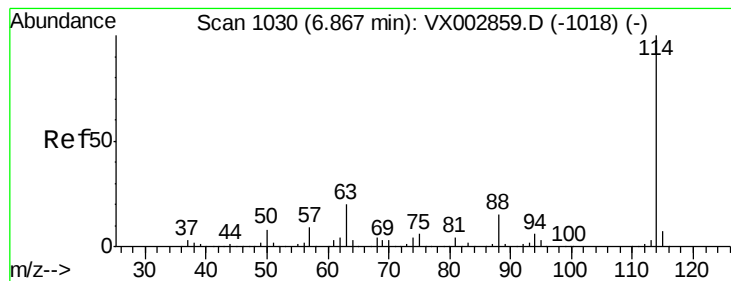
67 51.4 0.0 102.6



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003064.D

Acq: 30 Jun 2018 07:22

Instrument :

MSVOA\_X

ClientSampled :

S73-0216

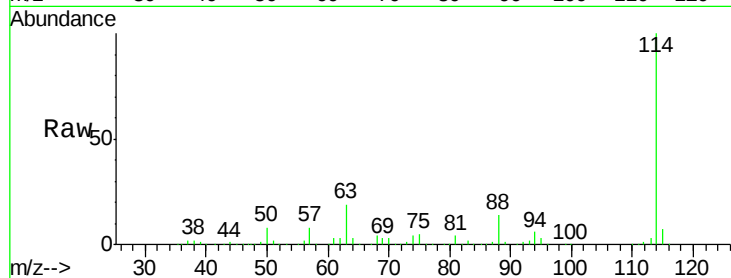
Tot Ion:114 Resp: 434390

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

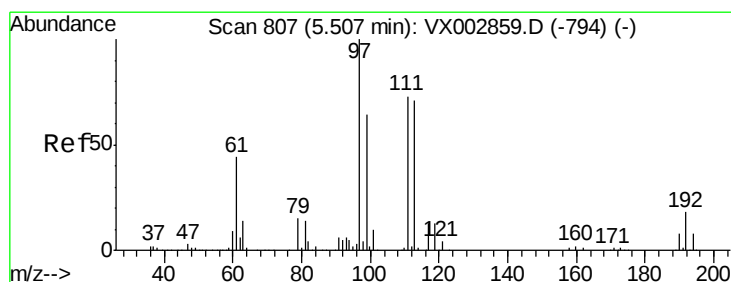
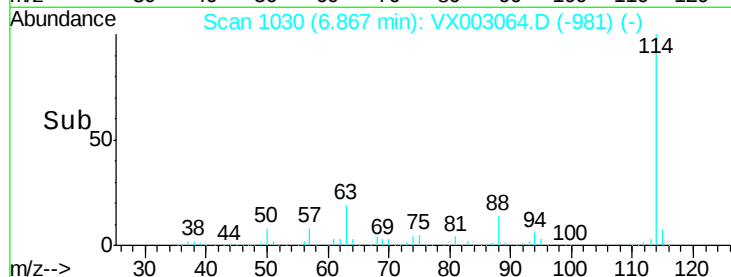
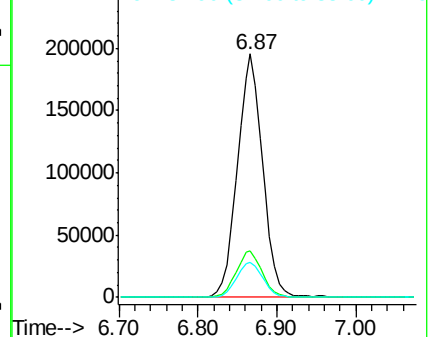
88 14.5 0.0 30.0



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: 48.77 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003064.D

Acq: 30 Jun 2018 07:22

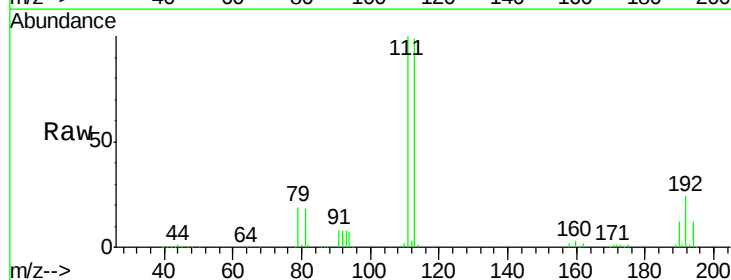
Tgt Ion:113 Resp: 167773

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

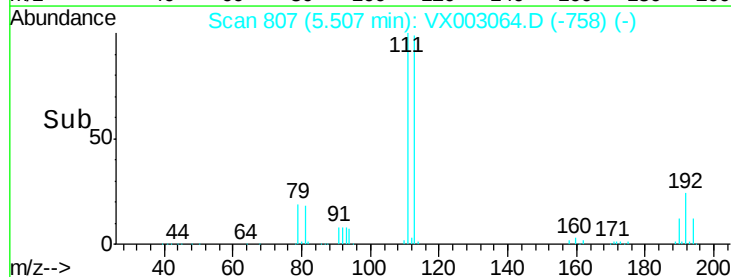
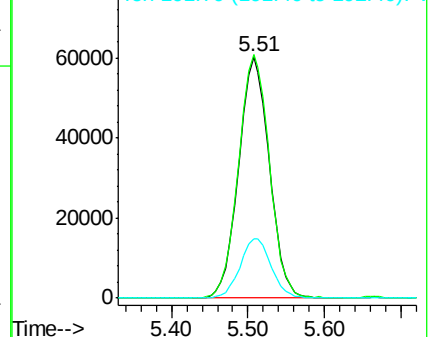
192 24.8 19.1 28.7

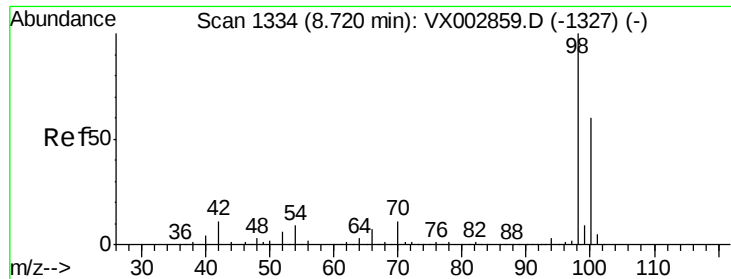


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003064.D

Acq: 30 Jun 2018 07:22

Instrument :

MSVOA\_X

ClientSampleId :

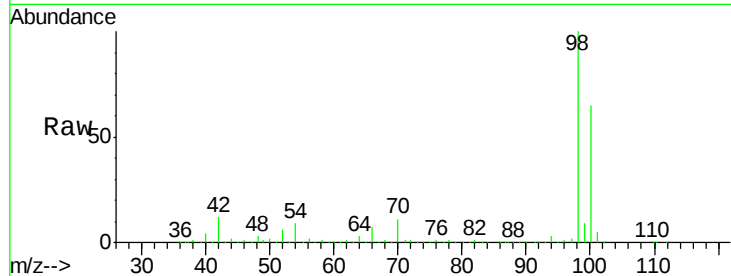
S73-0216

Tot Ion: 98 Resp: 597917

Ion Ratio Lower Upper

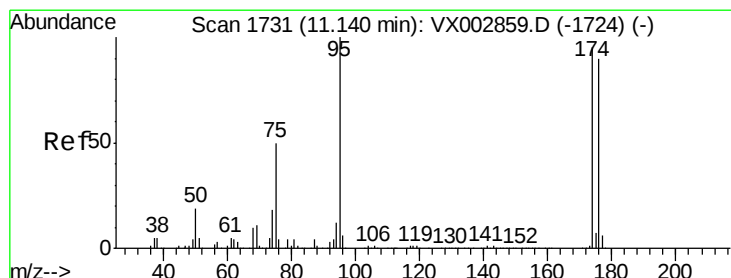
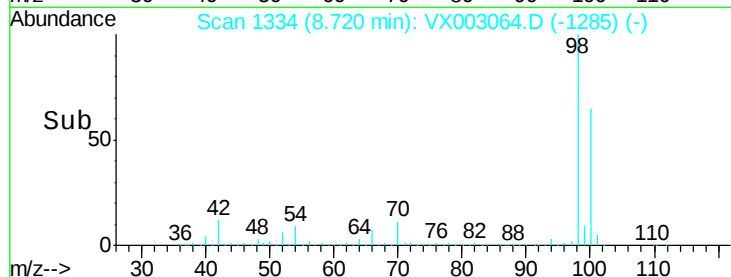
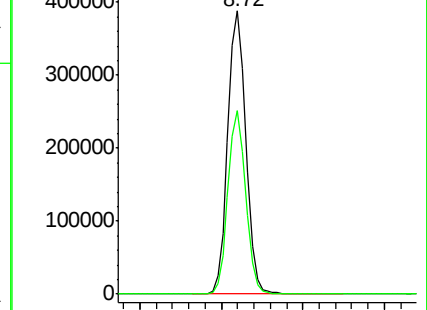
98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003064.D

Acq: 30 Jun 2018 07:22

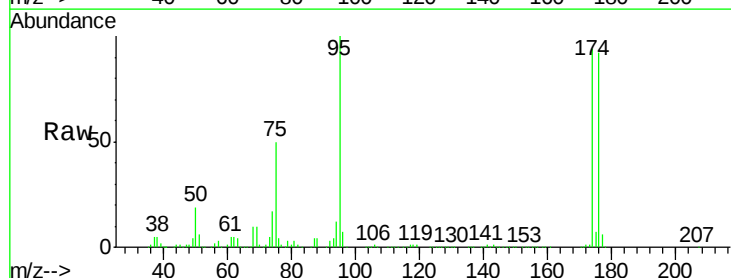
Tgt Ion: 95 Resp: 215845

Ion Ratio Lower Upper

95 100

174 96.6 0.0 187.4

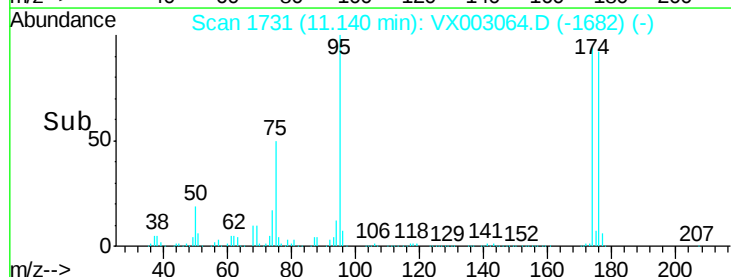
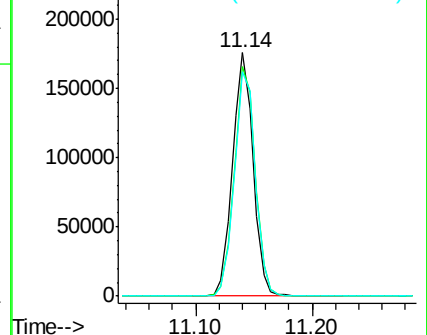
176 94.5 0.0 181.0

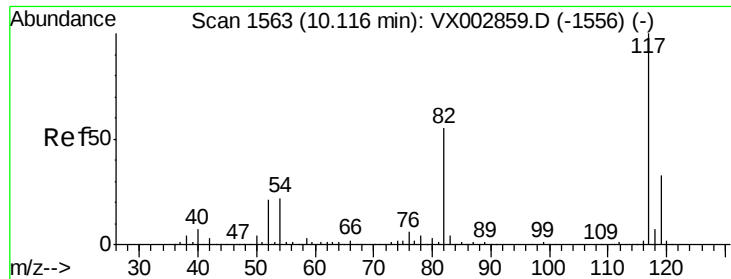


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX003064.D

Acq: 30 Jun 2018 07:22

Instrument :

MSVOA\_X

ClientSampled :

S73-0216

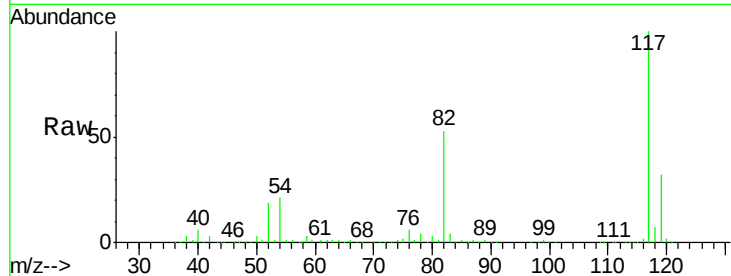
Tot Ion:117 Resp: 400271

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

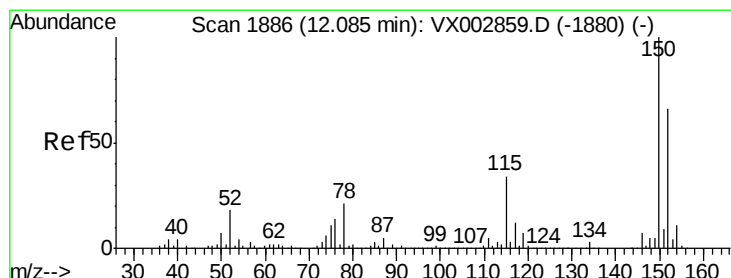
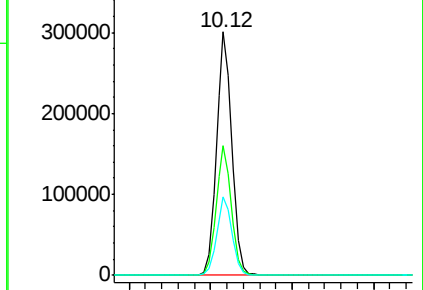
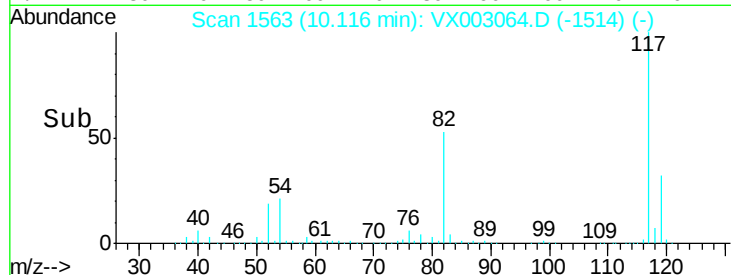
119 32.1 25.8 38.6



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: VX003064.D

Acq: 30 Jun 2018 07:22

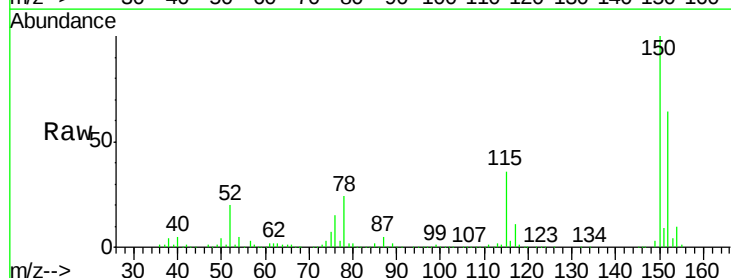
Tgt Ion:152 Resp: 230693

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

150 154.7 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

