

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\  
 Data File : VX001763.D  
 Acq On : 16 May 2018 13:04  
 Operator : JC/MD  
 Sample : VX0516MBL02  
 Misc : 5.00g/10mL/100ul/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0516MBL02

Quant Time: May 17 03:54:33 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 15 01:36:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 290821   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 389706   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 313190   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 151884   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 166603   | 42.74 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 85.48% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 137942   | 41.94 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.88% |      |
| 50) Toluene-d8              | 8.72   | 98  | 488701   | 41.49 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 82.98% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 134935   | 31.82 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 63.64% |      |

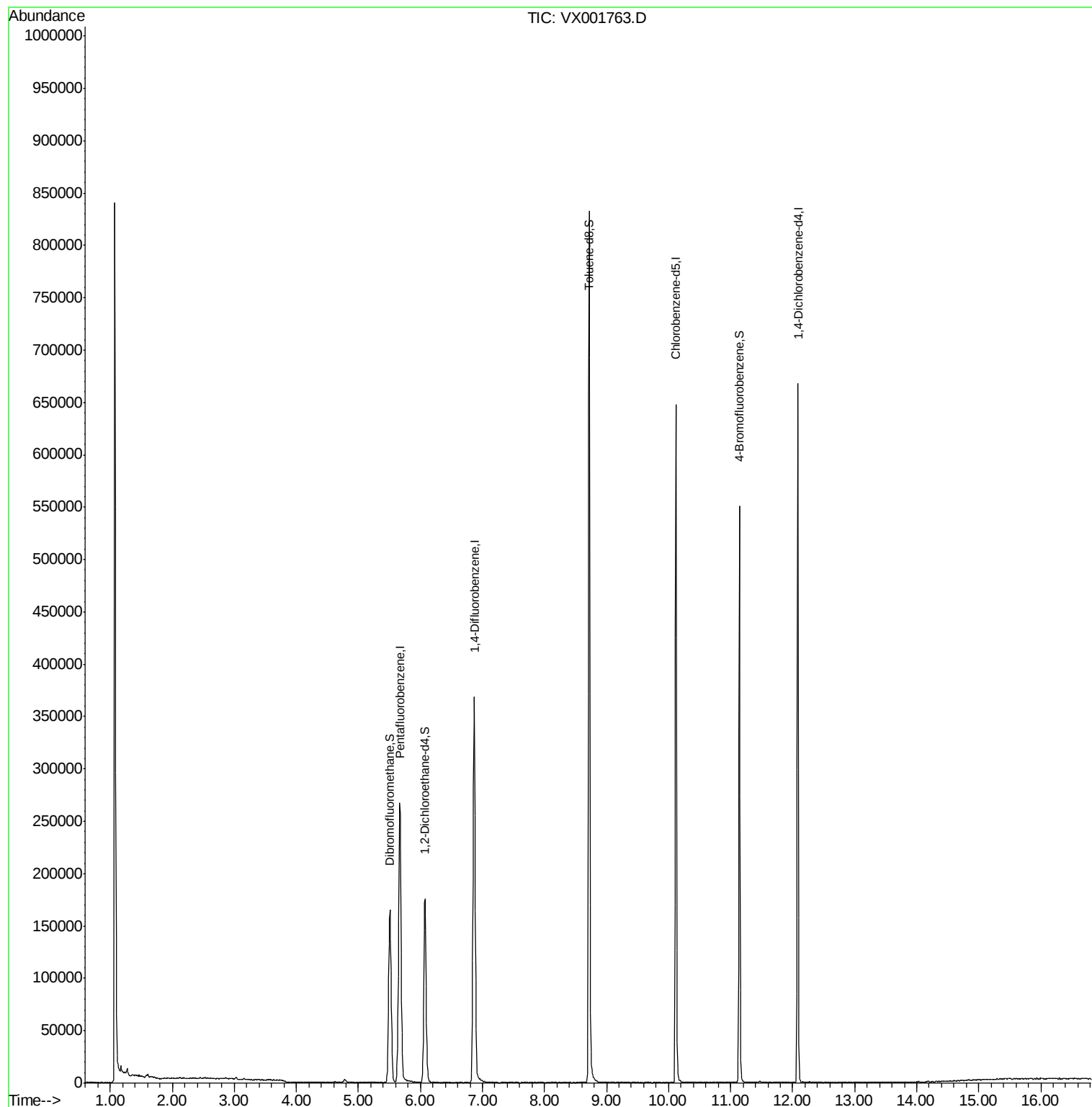
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

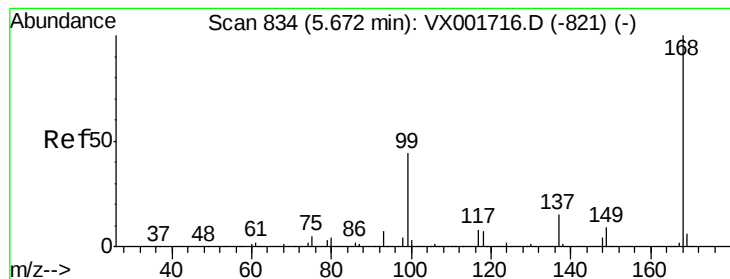
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 15 01:36:22 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001763.D

Acq: 16 May 2018 13:04

Instrument :

MSVOA\_X

ClientSampleId :

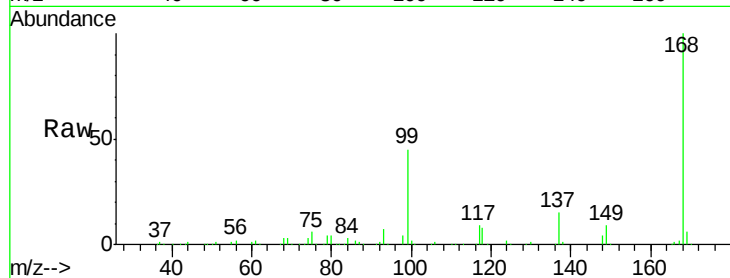
VX0516MBL02

Tot Ion:168 Resp: 290821

Ion Ratio Lower Upper

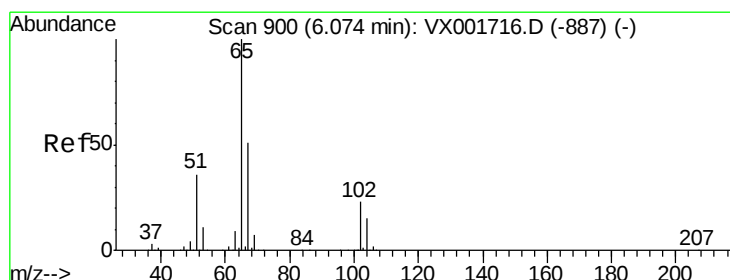
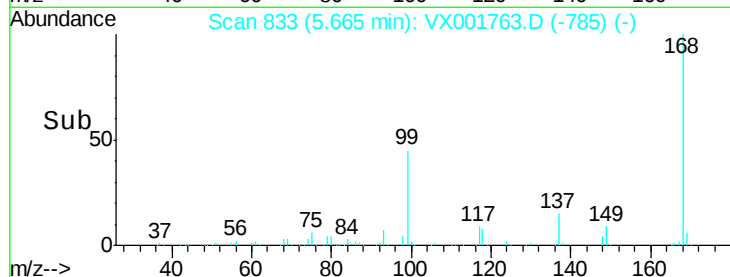
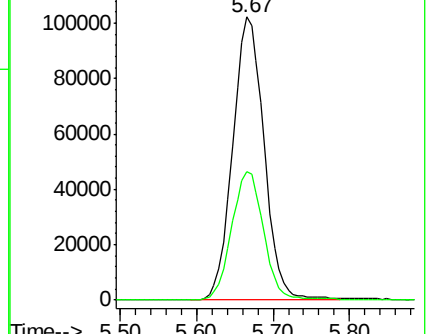
168 100

99 45.3 35.0 52.4



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: 42.74 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001763.D

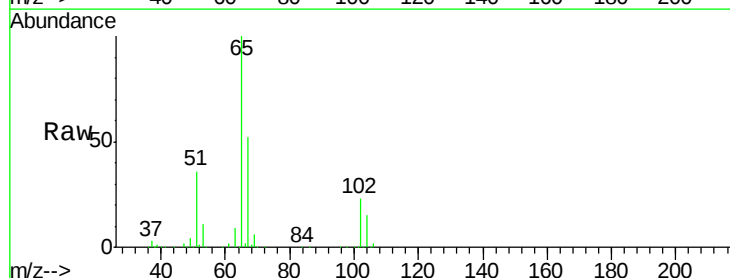
Acq: 16 May 2018 13:04

Tgt Ion: 65 Resp: 166603

Ion Ratio Lower Upper

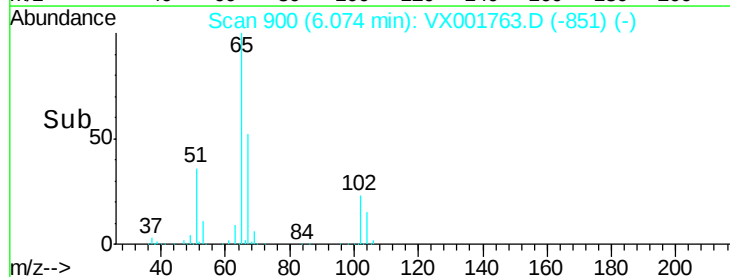
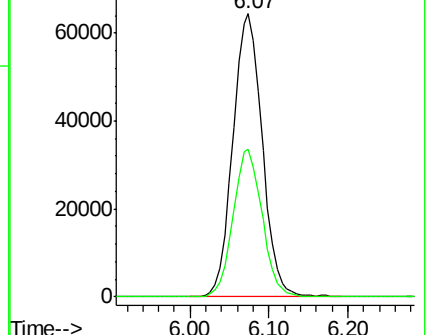
65 100

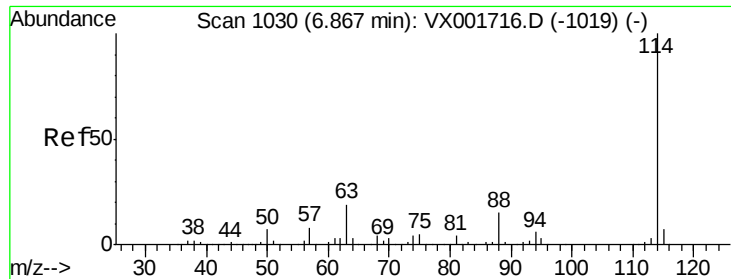
67 51.6 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

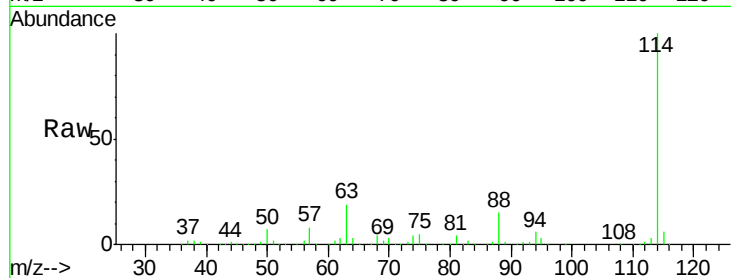




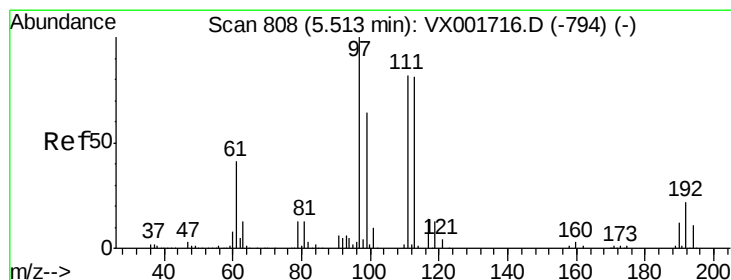
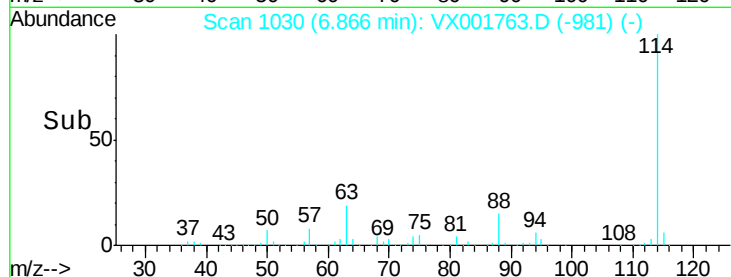
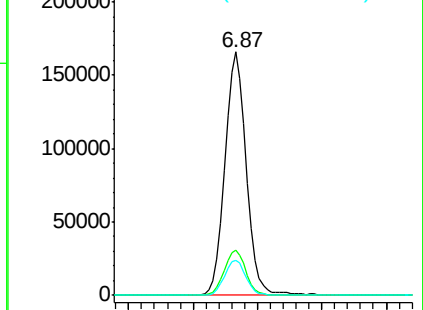
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX001763.D  
 Acq: 16 May 2018 13:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0516MBL02

Tot Ion:114 Resp: 389706  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 37.0  
 88 14.5 0.0 29.8

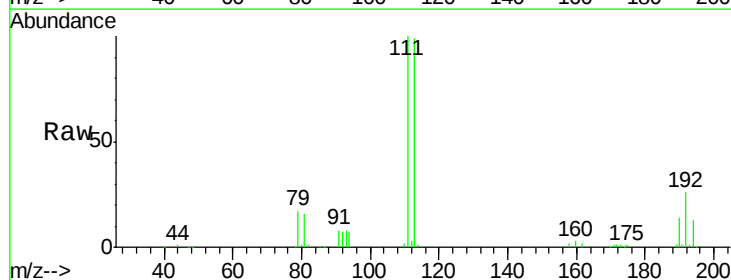


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX  
 Ion 87.90 (87.60 to 88.60): VX

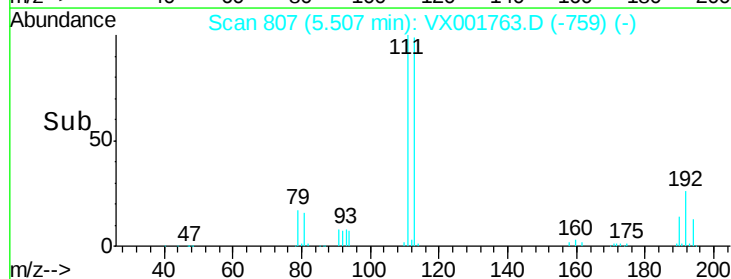
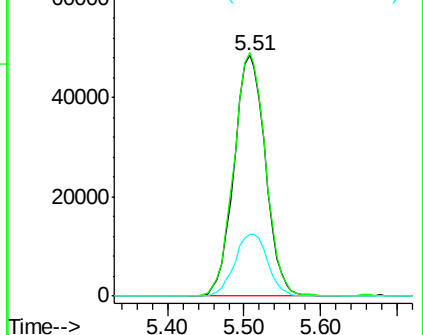


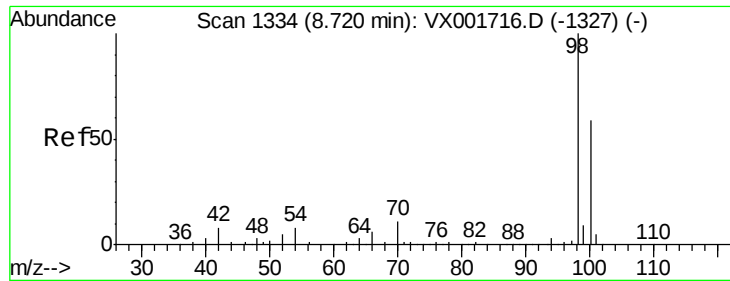
#35  
 Dibromofluoromethane  
 Concen: 41.94 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX001763.D  
 Acq: 16 May 2018 13:04

Tgt Ion:113 Resp: 137942  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 82.0 123.0  
 192 27.1 21.6 32.4



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: 41.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001763.D

Acq: 16 May 2018 13:04

Instrument :

MSVOA\_X

ClientSampleId :

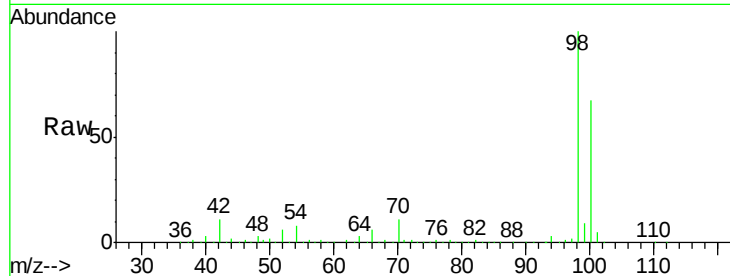
VX0516MBL02

Tot Ion: 98 Resp: 488701

Ion Ratio Lower Upper

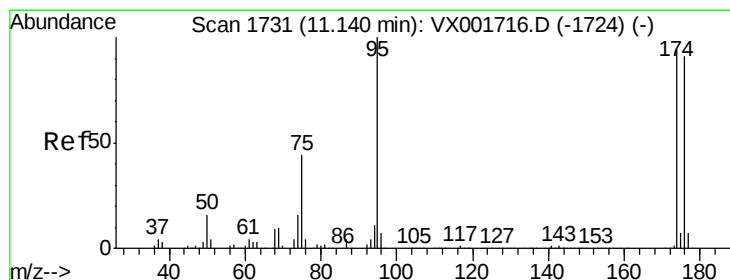
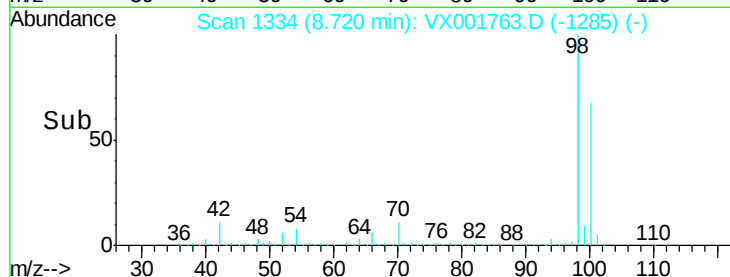
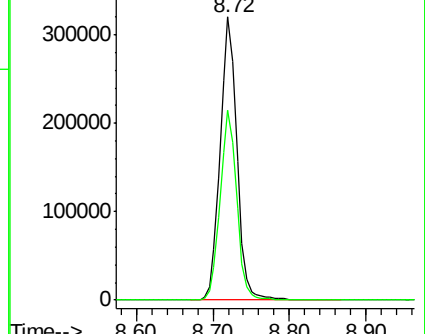
98 100

100 66.3 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 31.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001763.D

Acq: 16 May 2018 13:04

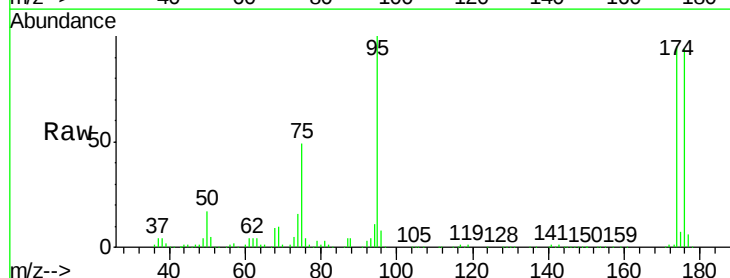
Tgt Ion: 95 Resp: 134935

Ion Ratio Lower Upper

95 100

174 103.2 0.0 201.8

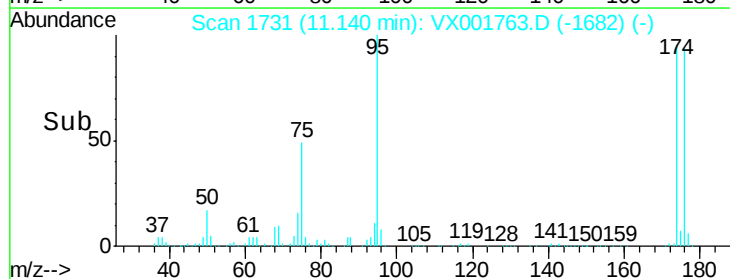
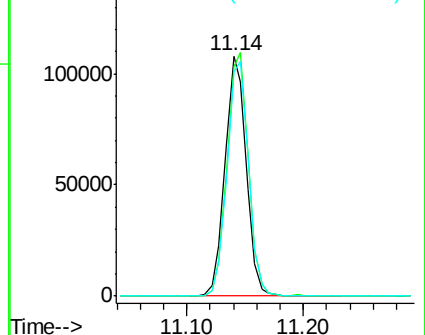
176 99.9 0.0 196.8

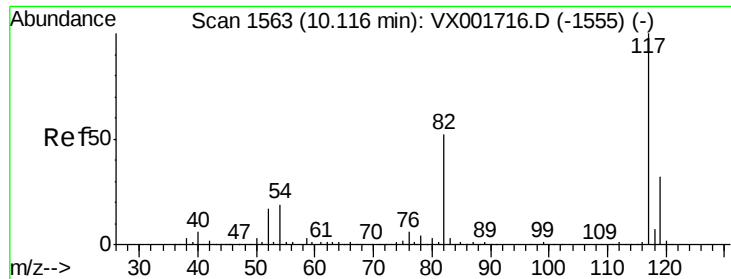


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX001763.D

Acq: 16 May 2018 13:04

Instrument :

MSVOA\_X

ClientSampled :

VX0516MBL02

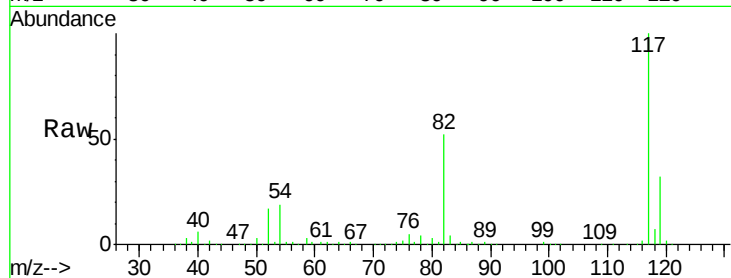
Tot Ion:117 Resp: 313190

Ion Ratio Lower Upper

117 100

82 52.2 41.4 62.2

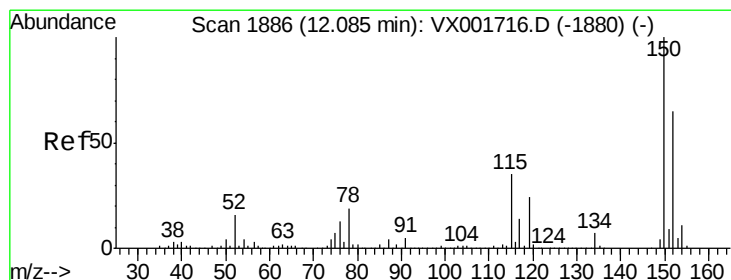
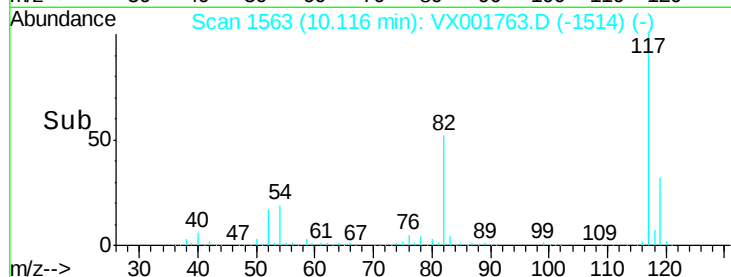
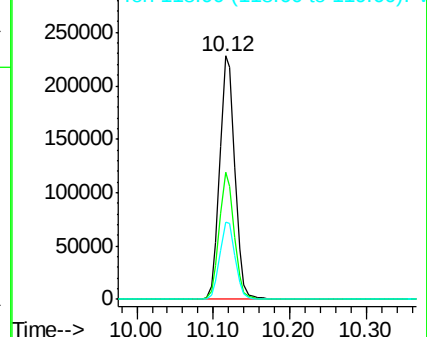
119 31.6 25.6 38.4



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: VX001763.D

Acq: 16 May 2018 13:04

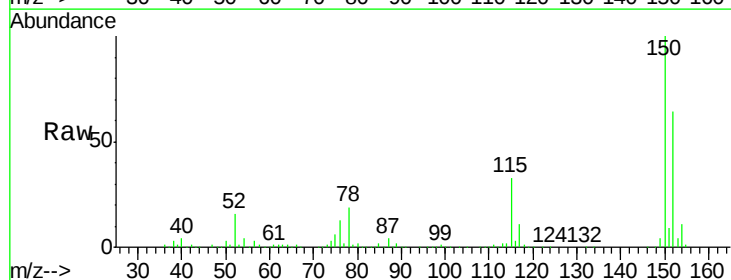
Tgt Ion:152 Resp: 151884

Ion Ratio Lower Upper

152 100

115 51.9 37.4 112.2

150 155.7 0.0 344.8



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

