

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\  
 Data File : VX001783.D  
 Acq On : 17 May 2018 11:46  
 Operator : JC/MD  
 Sample : VX0517WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0517WBL01

Quant Time: May 18 04:23:41 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  | 376554   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 503153   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 412415   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 232049   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 267558   | 53.01 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.02% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 226025   | 53.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.46% |      |
| 50) Toluene-d8              | 8.72   | 98  | 823113   | 54.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.26% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 249156   | 45.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.00%  |      |

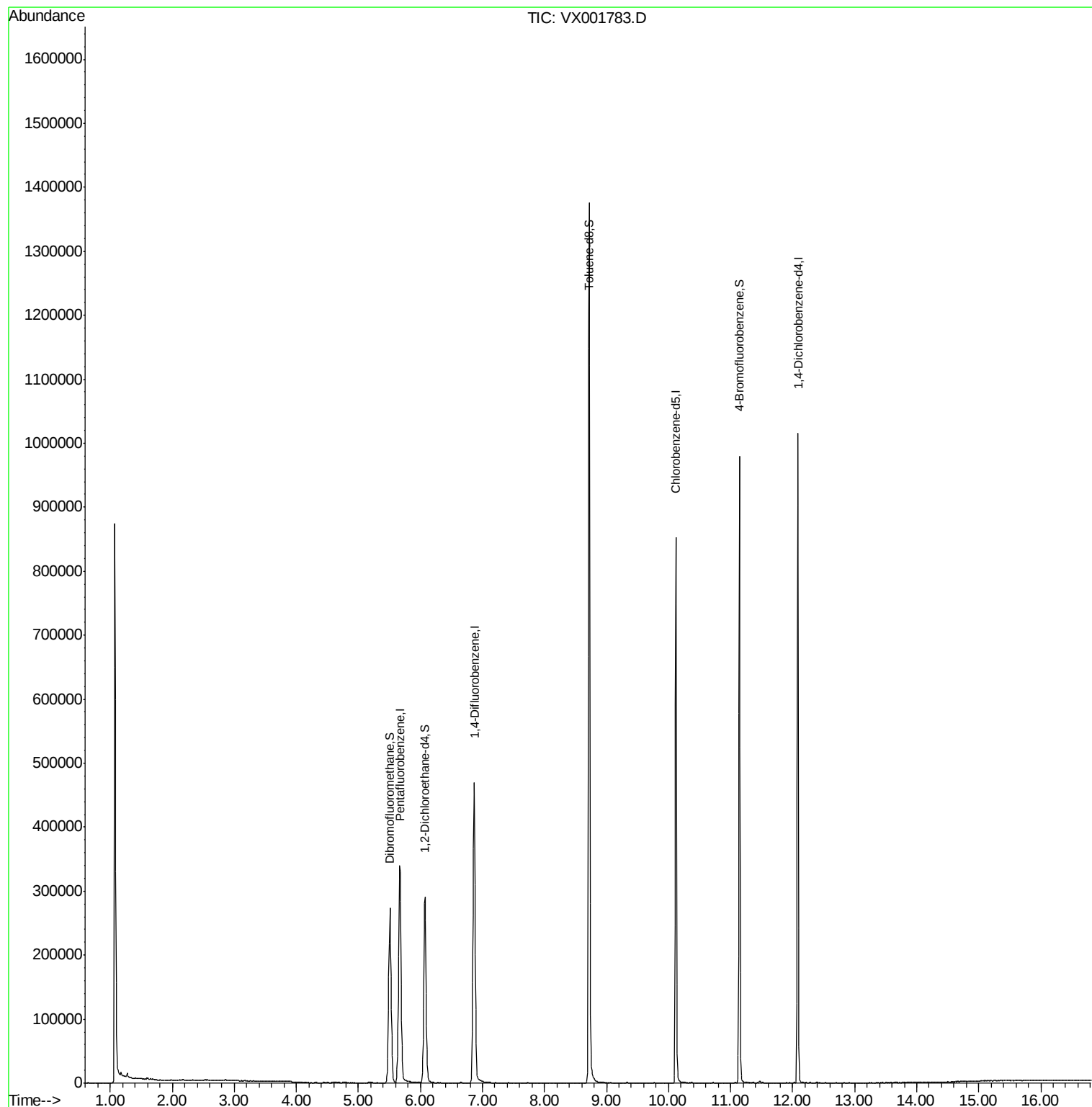
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

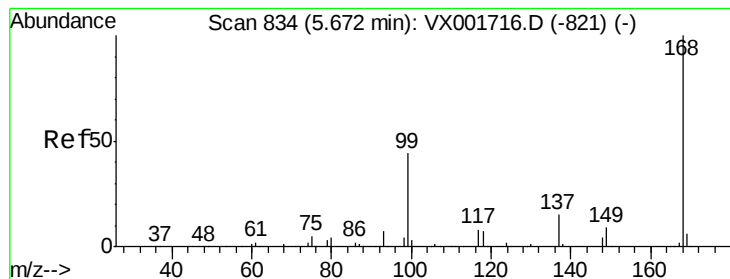
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001783.D

Acq: 17 May 2018 11:46

Instrument :

MSVOA\_X

ClientSampleId :

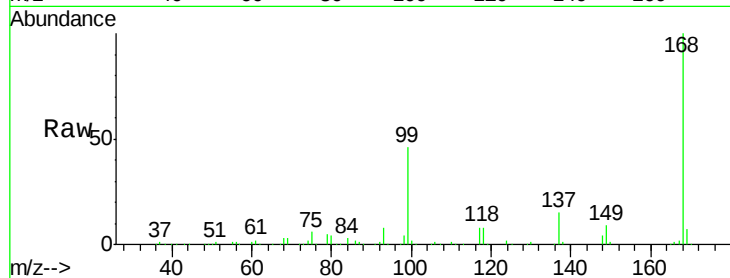
VX0517WBL01

Tot Ion:168 Resp: 376554

Ion Ratio Lower Upper

168 100

99 45.9 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

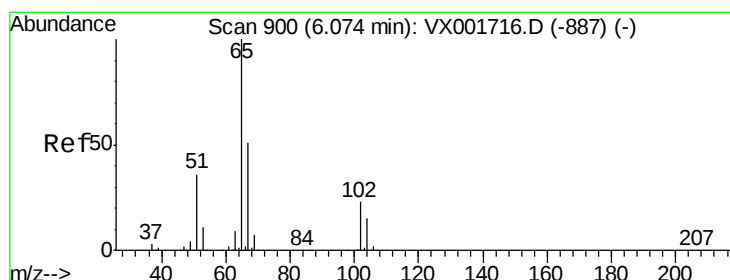
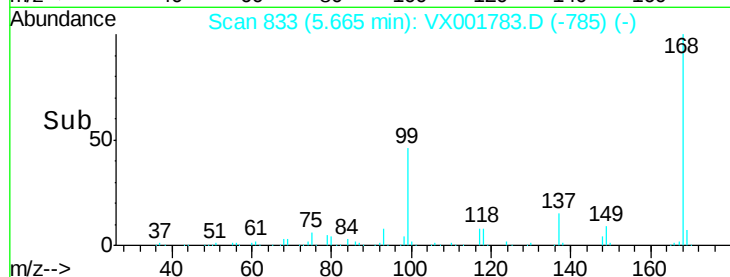
100000

50000

0

Time-->

5.60 5.80 6.00



#33

1,2-Dichloroethane-d4

Concen: 53.01 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001783.D

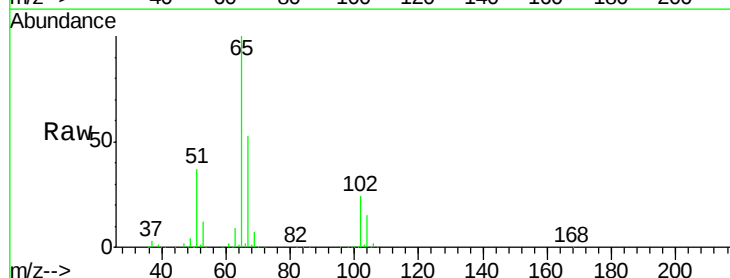
Acq: 17 May 2018 11:46

Tgt Ion: 65 Resp: 267558

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

60000

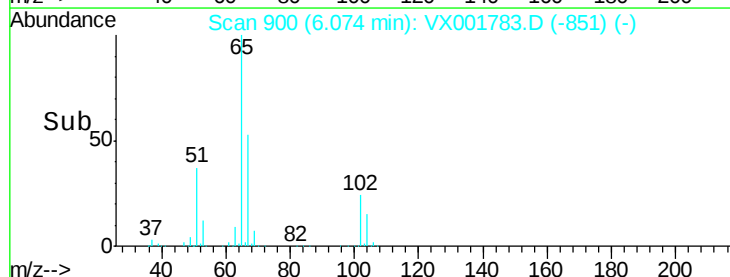
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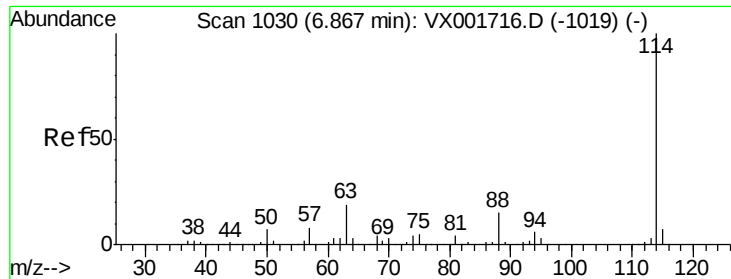
20000

0

Time-->

5.90 6.00 6.10 6.20

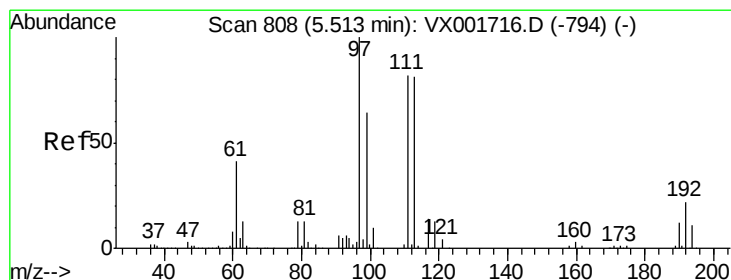
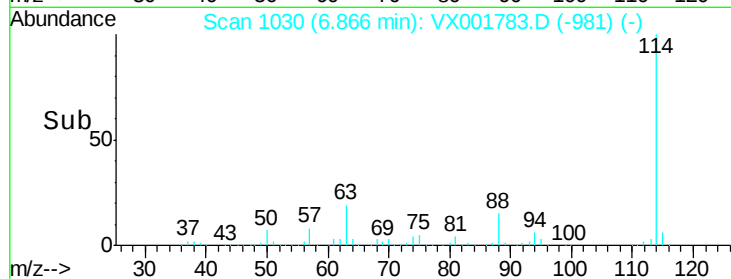
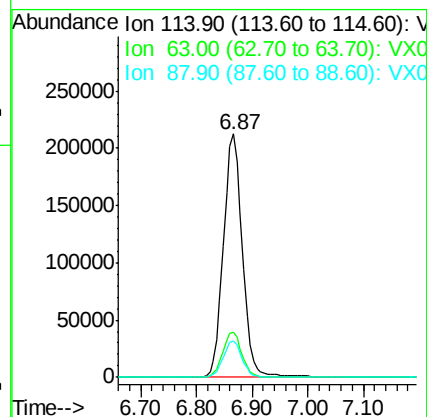
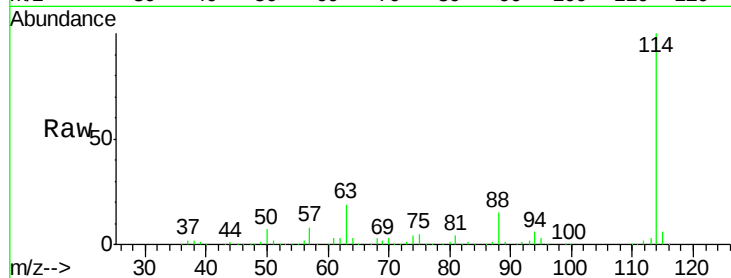




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX001783.D  
 Acq: 17 May 2018 11:46

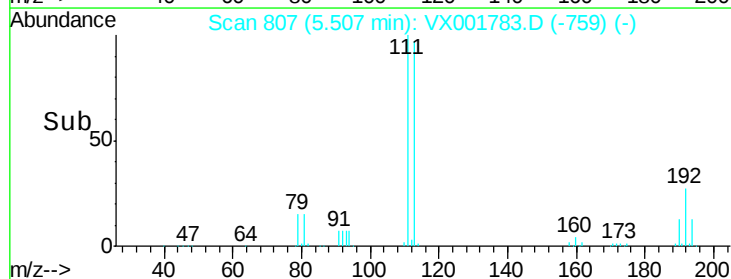
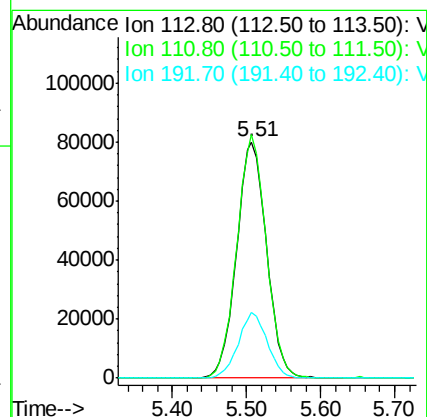
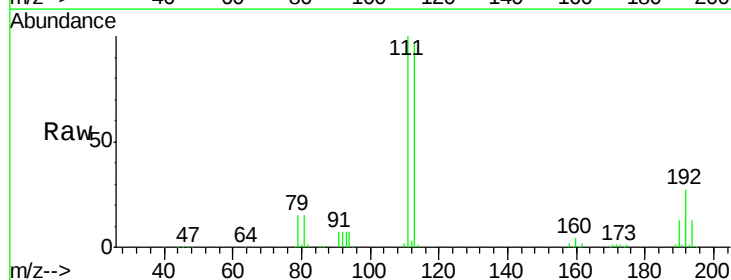
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0517WBL01

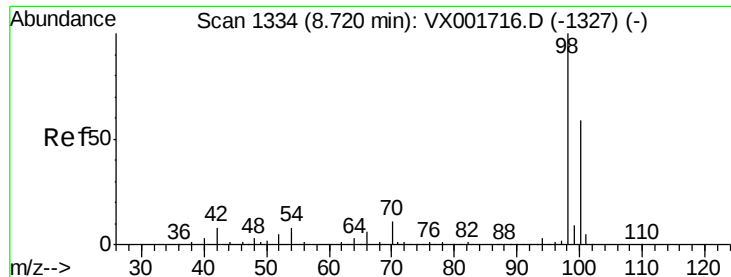
Tot Ion:114 Resp: 503153  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 37.0  
 88 15.0 0.0 29.8



#35  
 Dibromofluoromethane  
 Concen: 53.23 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX001783.D  
 Acq: 17 May 2018 11:46

Tgt Ion:113 Resp: 226025  
 Ion Ratio Lower Upper  
 113 100  
 111 101.1 82.0 123.0  
 192 27.0 21.6 32.4





#50

Toluene-d8

Concen: 54.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001783.D

Acq: 17 May 2018 11:46

Instrument :

MSVOA\_X

ClientSampleId :

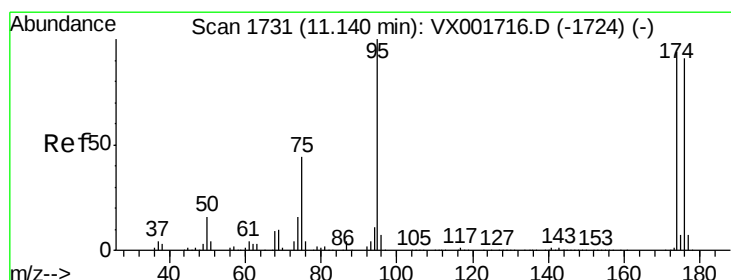
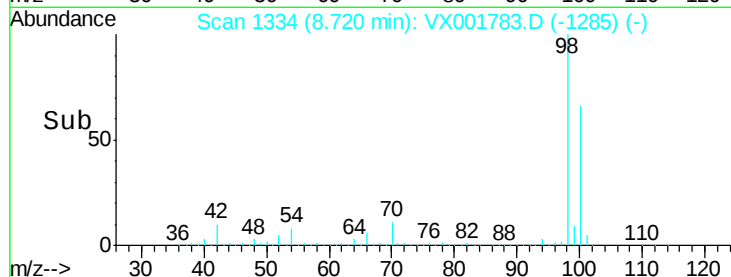
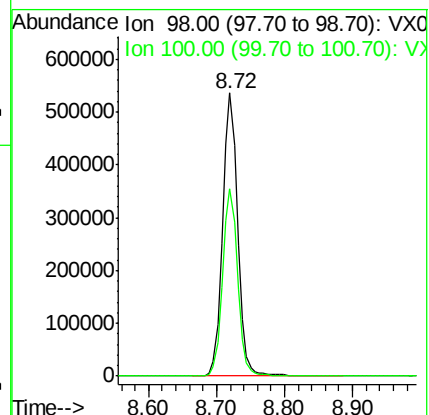
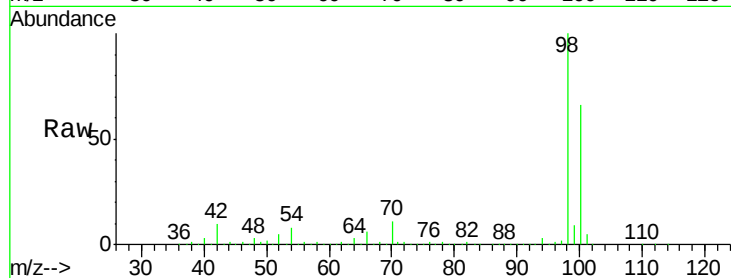
VX0517WBL01

Tot Ion: 98 Resp: 823113

Ion Ratio Lower Upper

98 100

100 66.3 54.0 81.0



#62

4-Bromofluorobenzene

Concen: 45.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001783.D

Acq: 17 May 2018 11:46

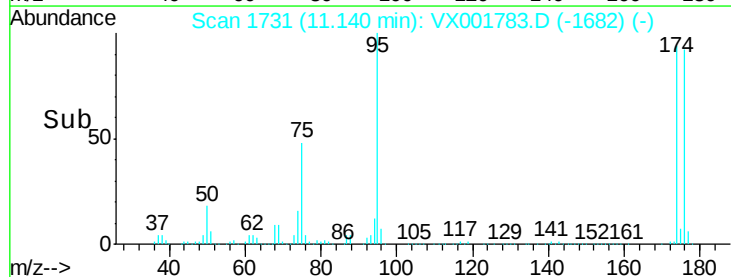
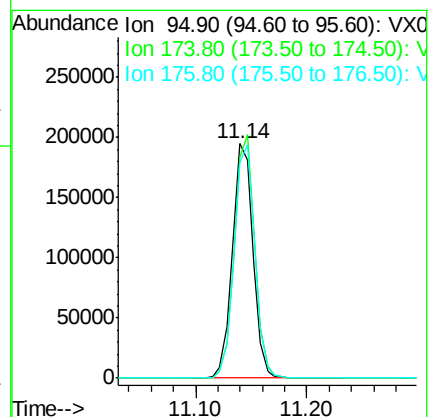
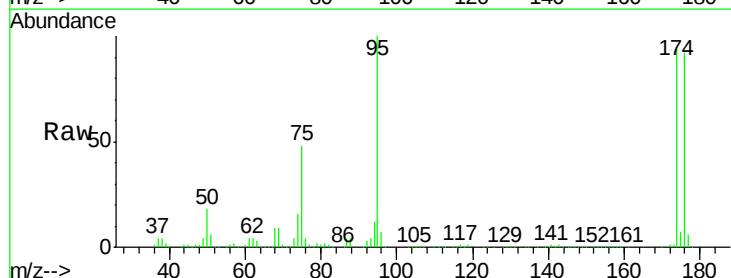
Tgt Ion: 95 Resp: 249156

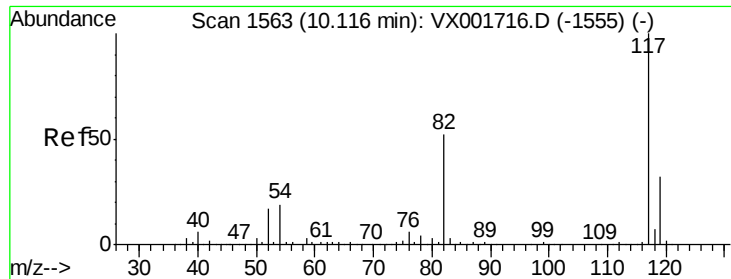
Ion Ratio Lower Upper

95 100

174 102.4 0.0 201.8

176 99.7 0.0 196.8

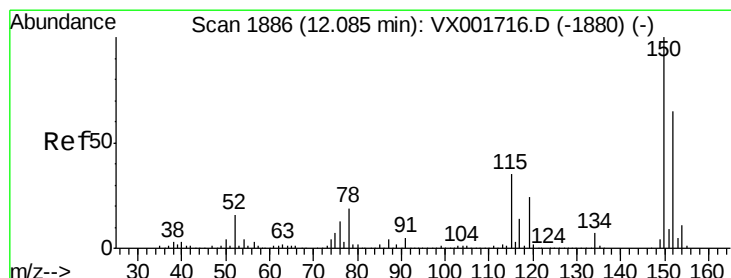
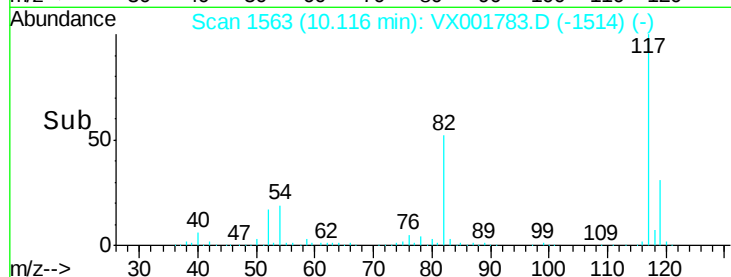
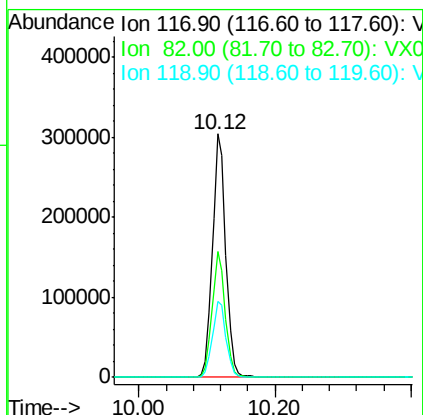
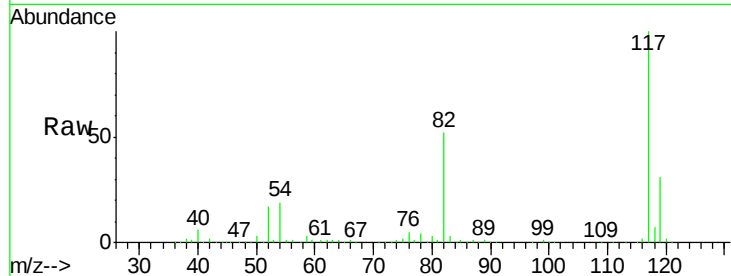




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX001783.D  
Acq: 17 May 2018 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0517WBL01

Tot Ion:117 Resp: 412415  
Ion Ratio Lower Upper  
117 100  
82 51.6 41.4 62.2  
119 31.2 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX001783.D  
Acq: 17 May 2018 11:46

Tgt Ion:152 Resp: 232049  
Ion Ratio Lower Upper  
152 100  
115 51.9 37.4 112.2  
150 155.6 0.0 344.8

