

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\  
 Data File : VX006565.D  
 Acq On : 17 Dec 2018 11:52  
 Operator : JC/MD  
 Sample : J6405-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-20181210

Quant Time: Dec 18 00:57:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 729948   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1133108  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 1026633  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 487453   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 390344   | 52.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.76% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 355708   | 48.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.98%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 1347097  | 50.48 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.96% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 483802   | 48.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.22%  |      |

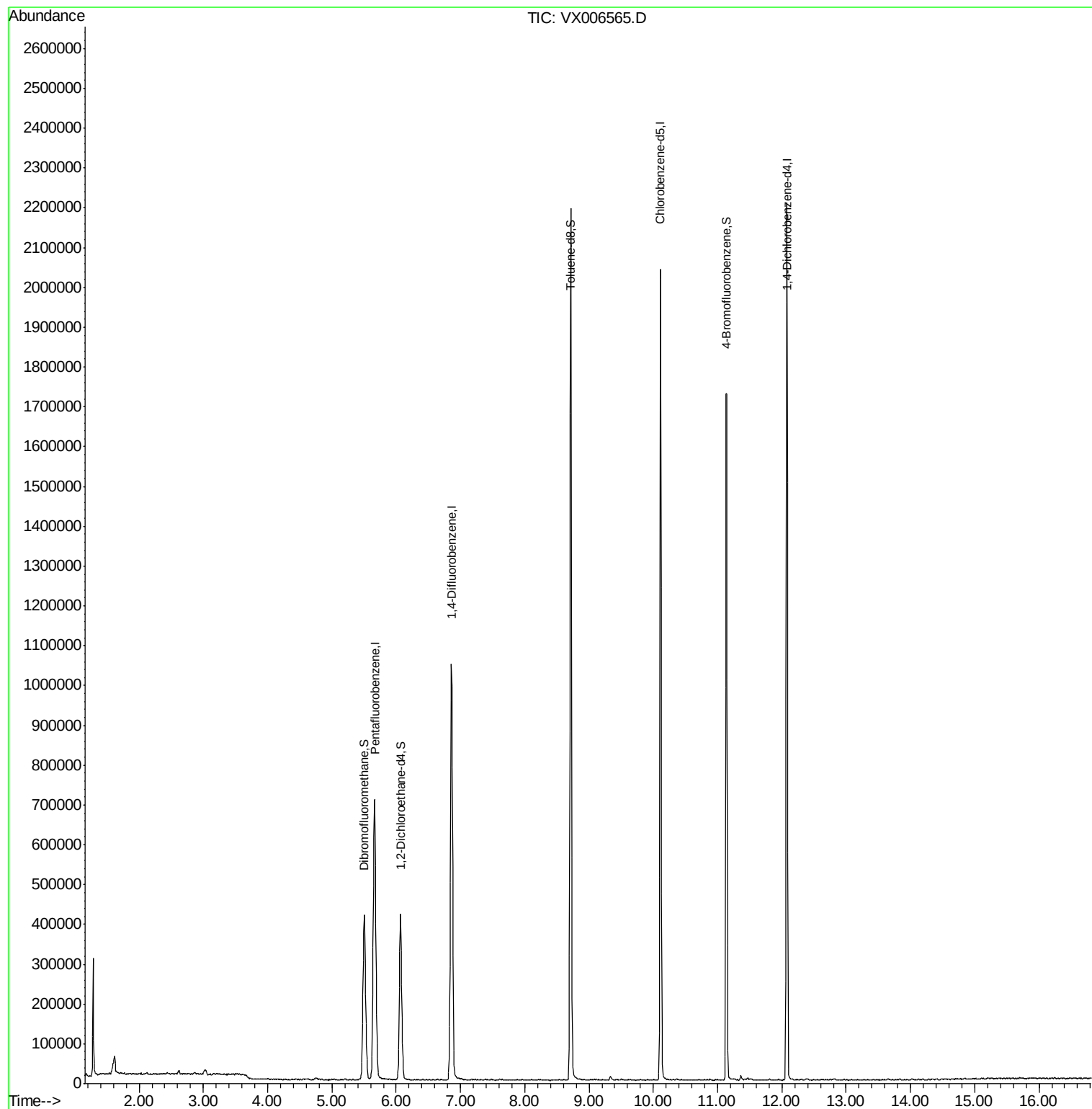
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

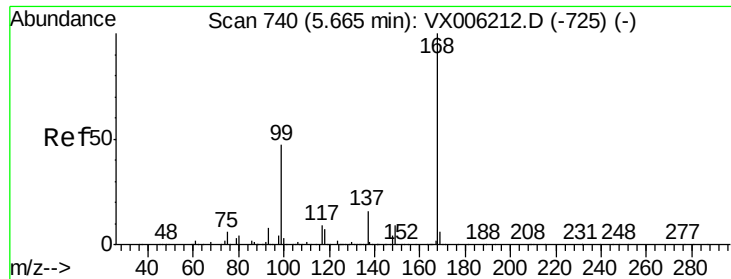
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006565.D

Acq: 17 Dec 2018 11:52

Instrument :

MSVOA\_X

ClientSampleId :

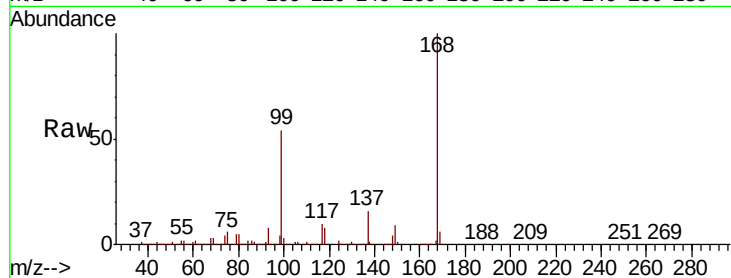
TB-20181210

Tot Ion:168 Resp: 729948

Ion Ratio Lower Upper

168 100

99 53.8 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

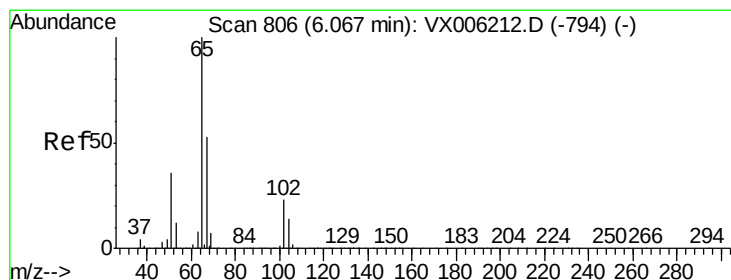
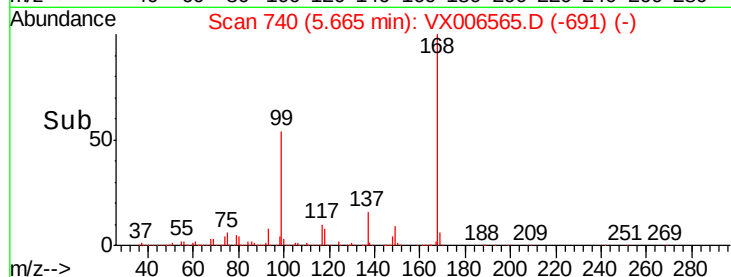
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 52.384 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006565.D

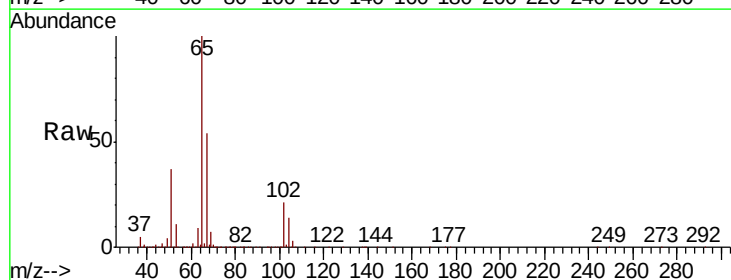
Acq: 17 Dec 2018 11:52

Tgt Ion: 65 Resp: 390344

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

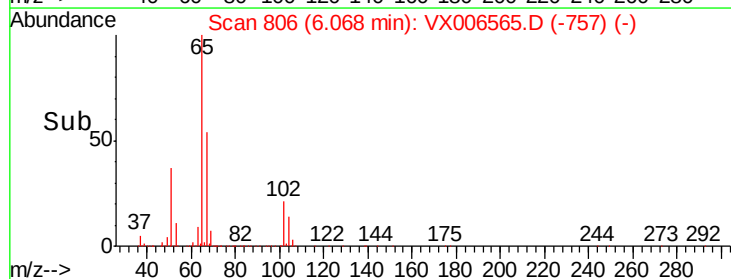
150000

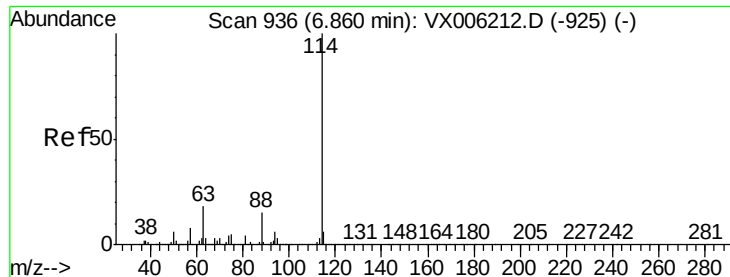
100000

50000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006565.D

Acq: 17 Dec 2018 11:52

Instrument :

MSVOA\_X

ClientSampleId :

TB-20181210

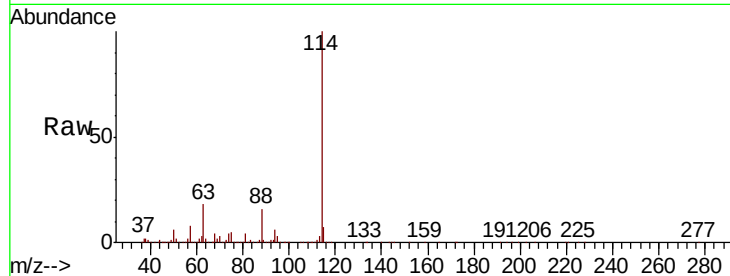
Tot Ion:114 Resp: 1133108

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 15.6 0.0 29.0



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

600000

500000

400000

300000

200000

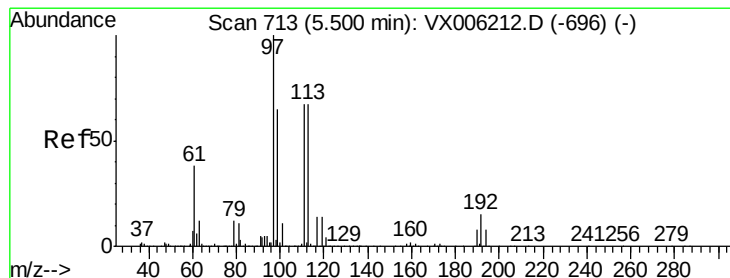
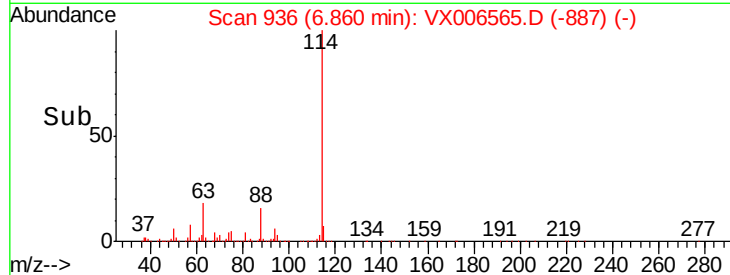
100000

0

6.86

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.485 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006565.D

Acq: 17 Dec 2018 11:52

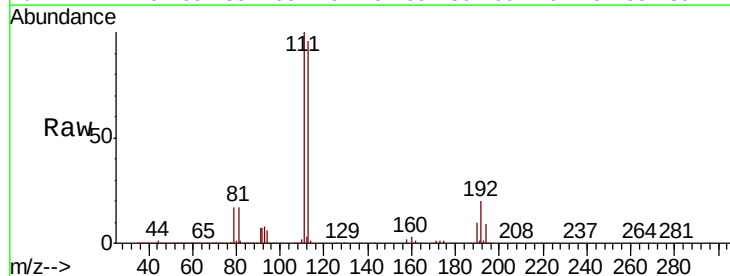
Tgt Ion:113 Resp: 355708

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 20.9 18.2 27.2



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

150000

100000

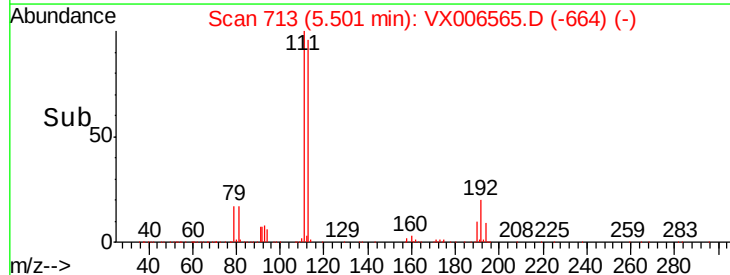
50000

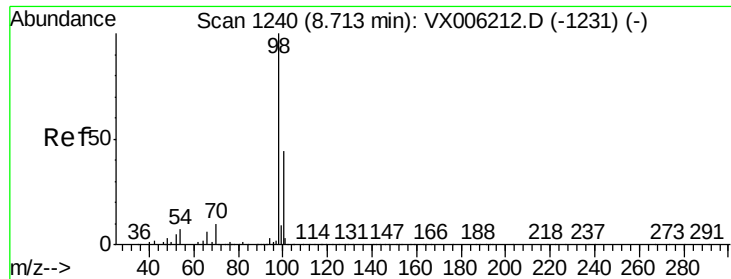
0

5.50

5.40 5.50 5.60

Time-->





#50

Toluene-d8

Concen: 50.480 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006565.D

Acq: 17 Dec 2018 11:52

Instrument :

MSVOA\_X

ClientSampleId :

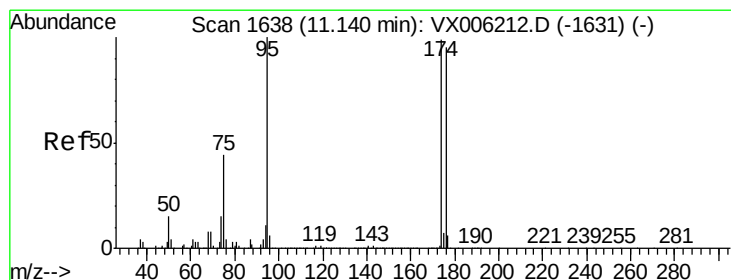
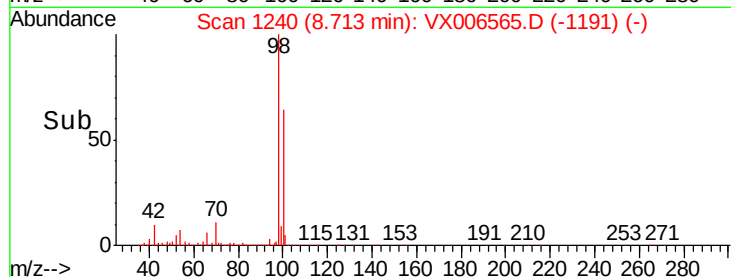
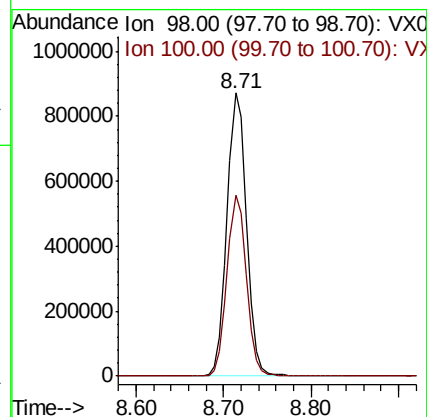
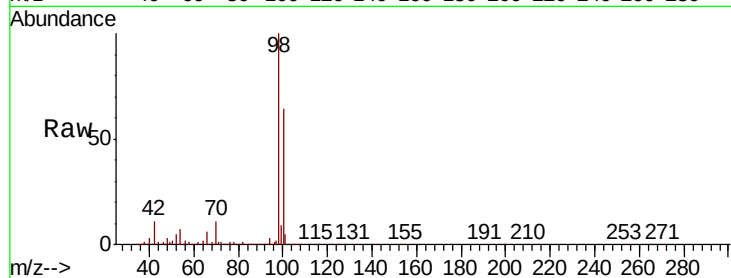
TB-20181210

Tot Ion: 98 Resp: 1347097

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.111 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006565.D

Acq: 17 Dec 2018 11:52

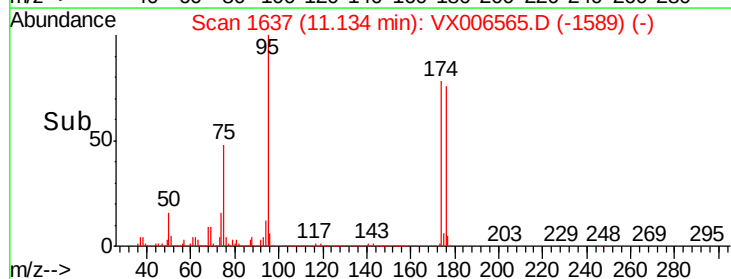
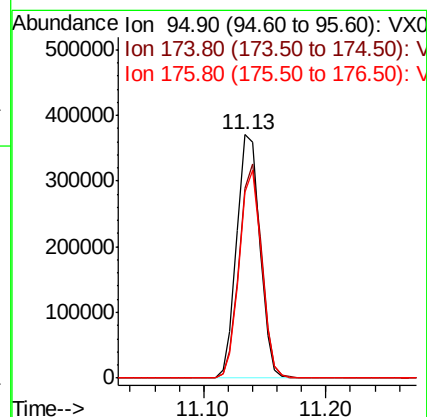
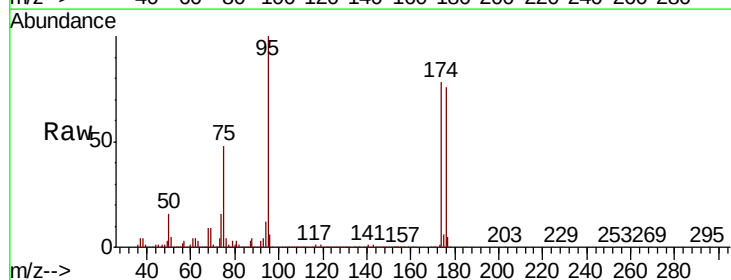
Tgt Ion: 95 Resp: 483802

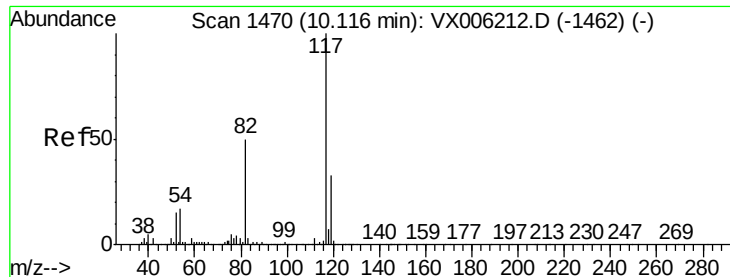
Ion Ratio Lower Upper

95 100

174 85.4 0.0 187.0

176 82.5 0.0 181.8

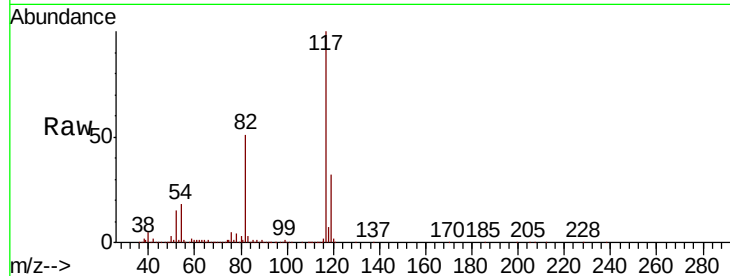




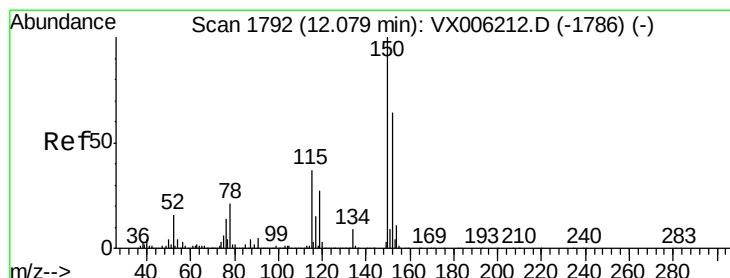
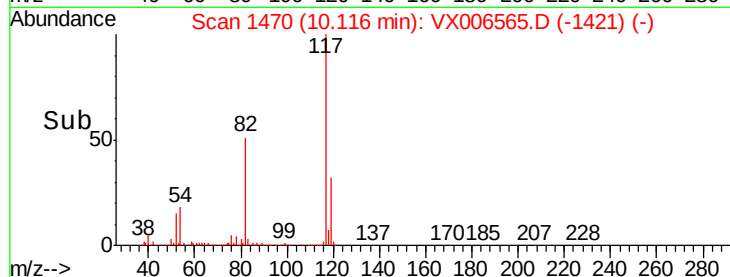
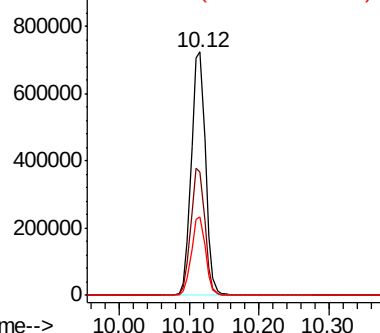
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX006565.D  
Acq: 17 Dec 2018 11:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20181210

Tot Ion:117 Resp: 1026633  
Ion Ratio Lower Upper  
117 100  
82 50.6 39.6 59.4  
119 32.2 26.3 39.5

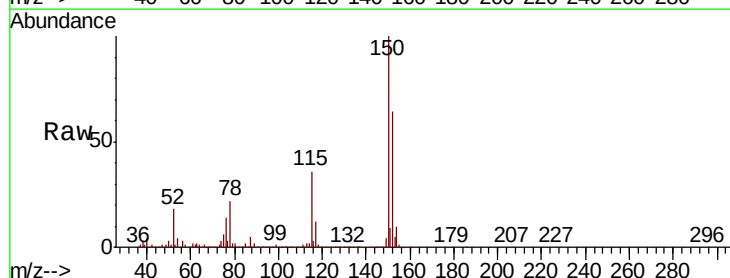


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006565.D  
Acq: 17 Dec 2018 11:52

Tgt Ion:152 Resp: 487453  
Ion Ratio Lower Upper  
152 100  
115 56.2 39.0 116.9  
150 154.1 0.0 345.8



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

