

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX121418\  
 Data File : VX006525.D  
 Acq On : 14 Dec 2018 18:45  
 Operator : JC/MD  
 Sample : J6396-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-14A\_R1

Quant Time: Dec 17 12:50:20 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  | 673618   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 1084775  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 994178   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 471678   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 368412   | 53.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.16% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 322948   | 45.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.96%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 1282740  | 50.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.42% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 470440   | 48.87 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.74%  |      |

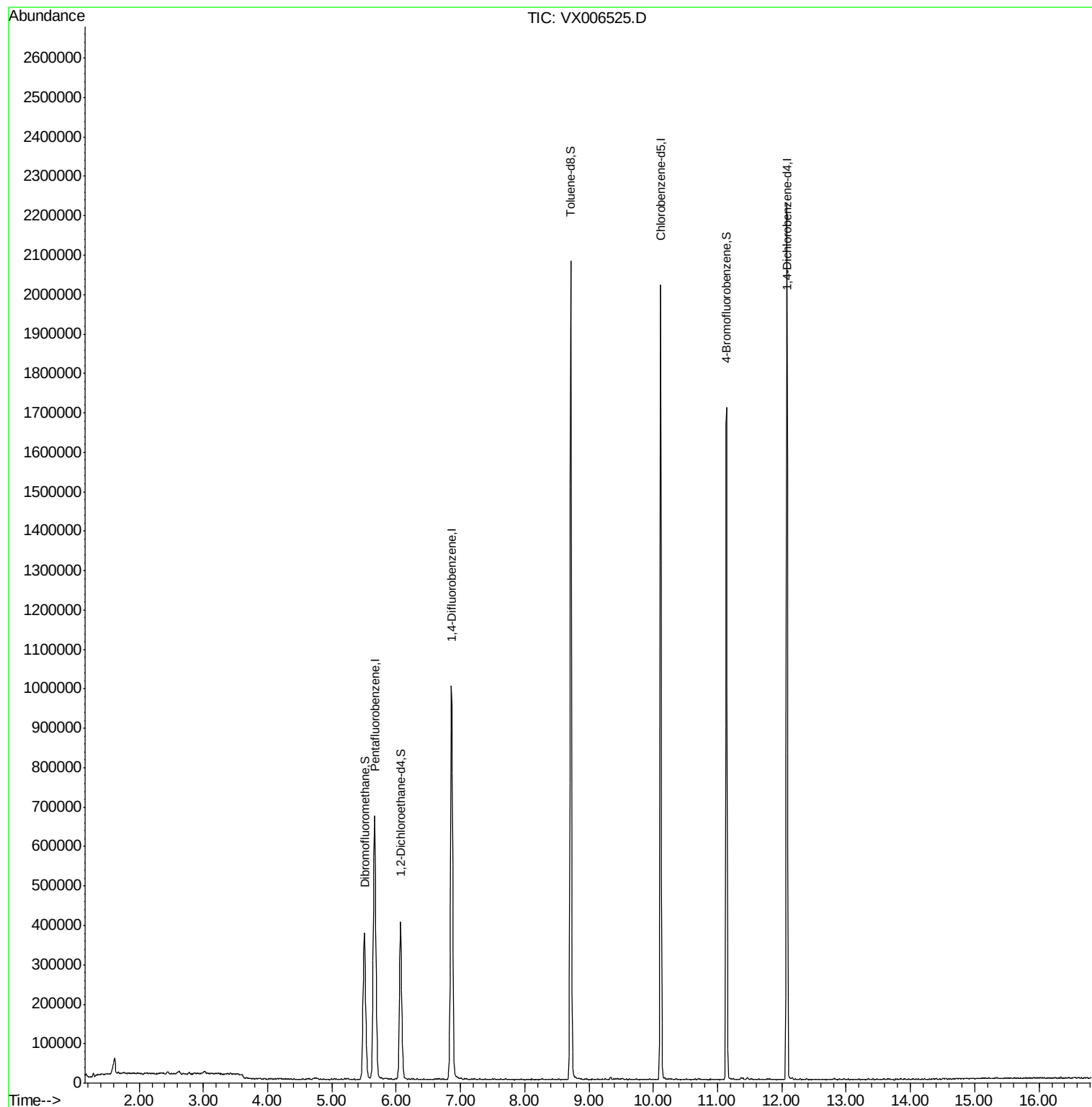
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

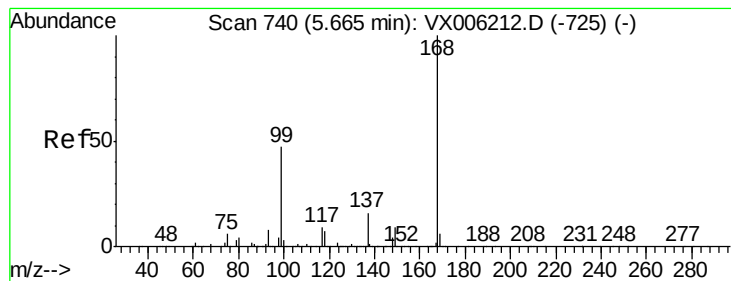
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-14A\_R1

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Quant Title : SW846 8260  
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: VX006525.D

Acq: 14 Dec 2018 18:45

Instrument :

MSVOA\_X

ClientSampleId :

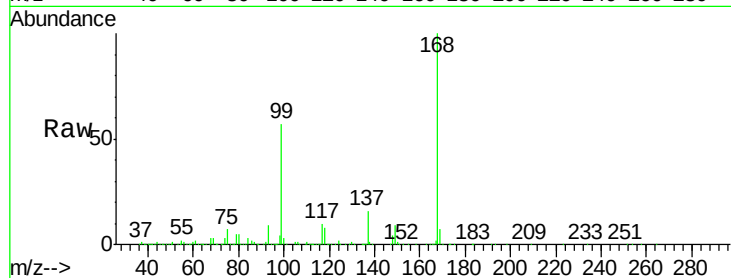
MW-14A\_R1

Tgt Ion:168 Resp: 673618

Ion Ratio Lower Upper

168 100

99 56.9 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

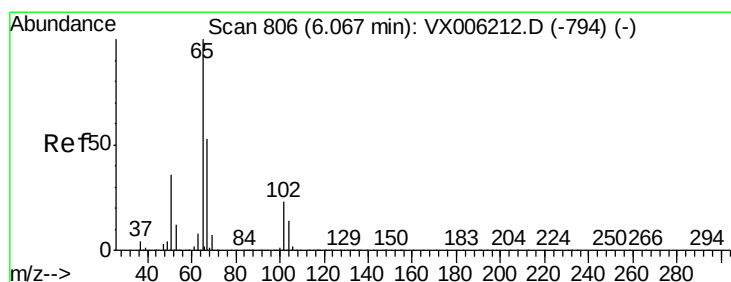
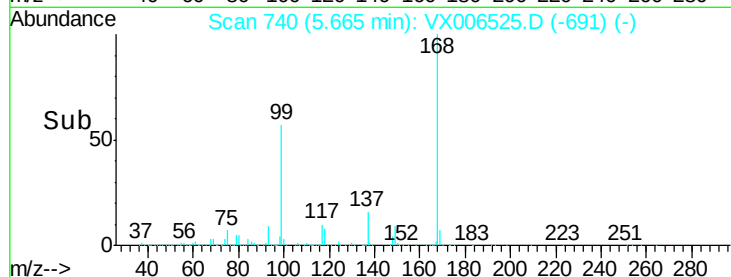
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 53.575 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006525.D

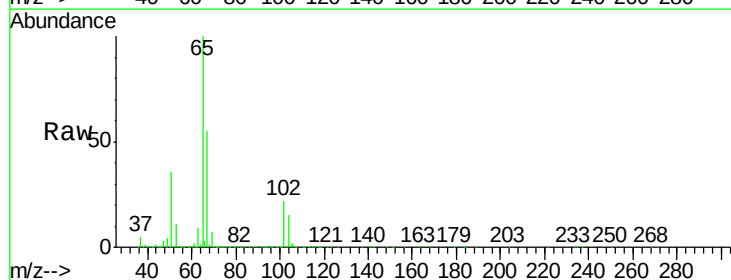
Acq: 14 Dec 2018 18:45

Tgt Ion: 65 Resp: 368412

Ion Ratio Lower Upper

65 100

67 54.1 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

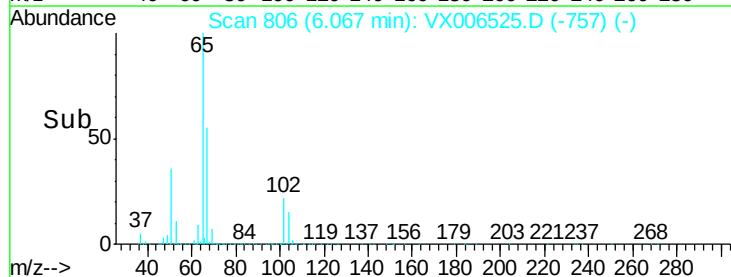
150000

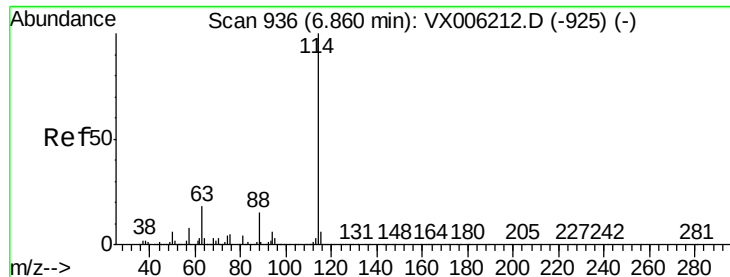
100000

50000

0

Time--> 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: VX006525.D

Acq: 14 Dec 2018 18:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-14A\_R1

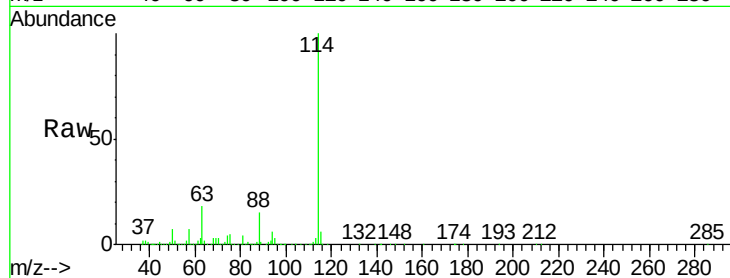
Tgt Ion:114 Resp: 1084775

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

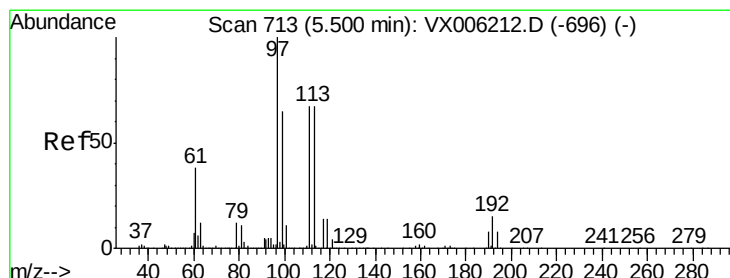
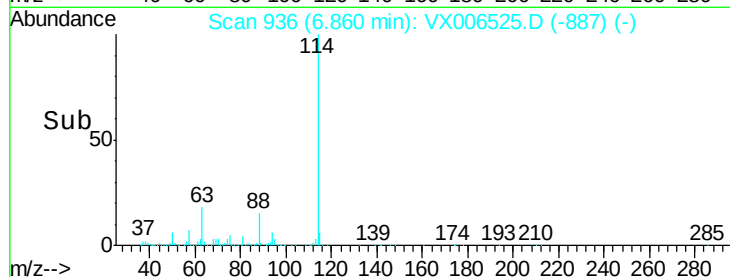
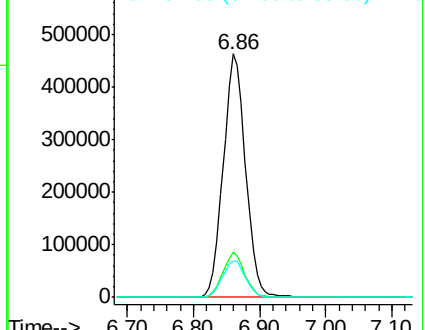
88 15.0 0.0 29.0



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



#35

Dibromofluoromethane

Concen: 45.981 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006525.D

Acq: 14 Dec 2018 18:45

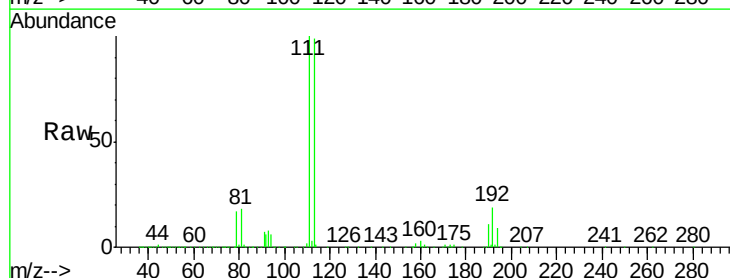
Tgt Ion:113 Resp: 322948

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

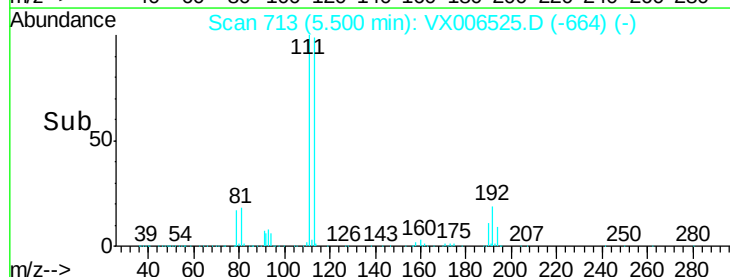
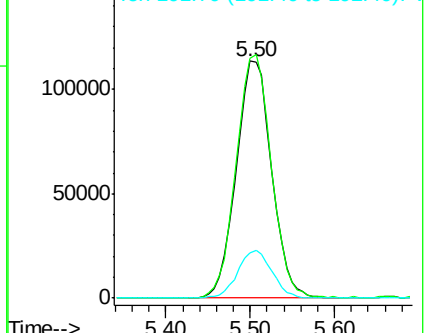
192 19.5 18.2 27.2

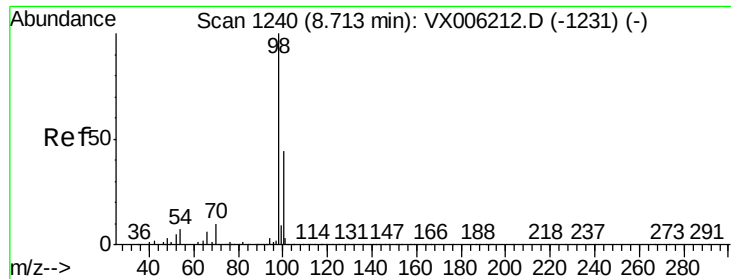


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.210 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006525.D

Acq: 14 Dec 2018 18:45

Instrument :

MSVOA\_X

ClientSampleId :

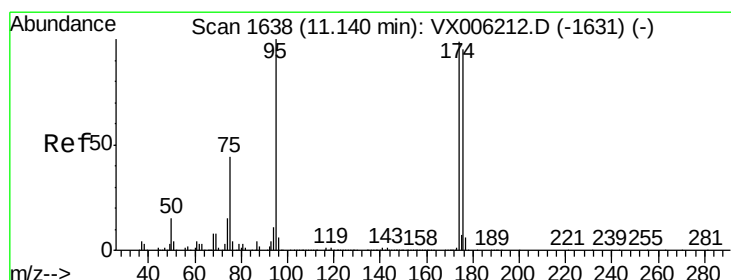
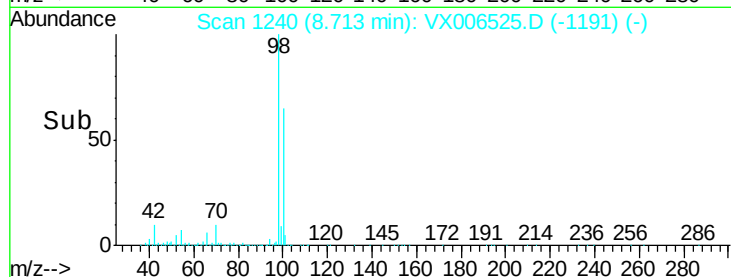
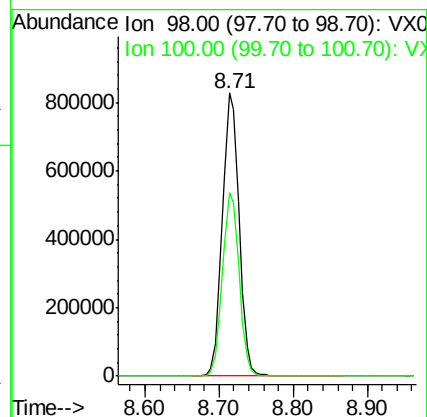
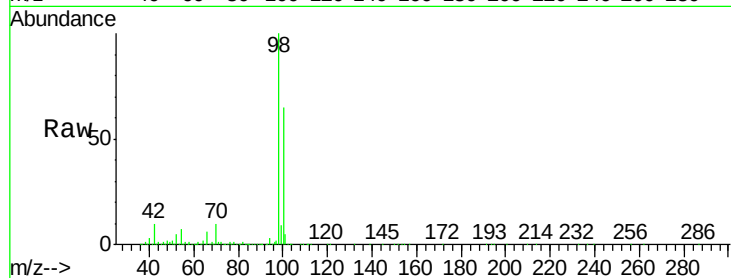
MW-14A\_R1

Tgt Ion: 98 Resp: 1282740

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.867 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006525.D

Acq: 14 Dec 2018 18:45

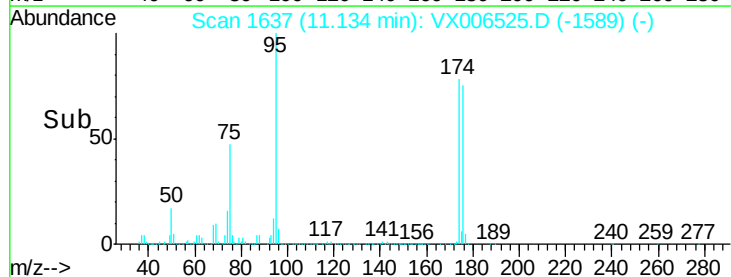
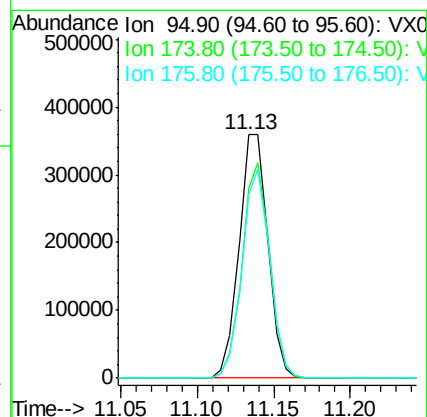
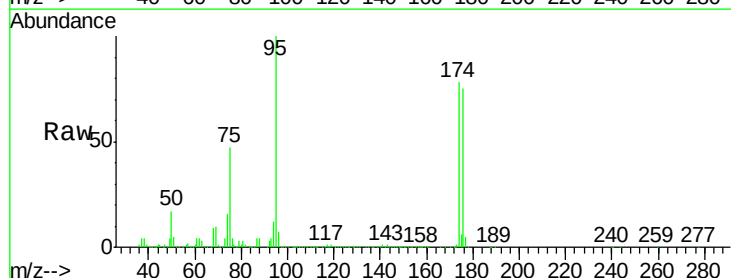
Tgt Ion: 95 Resp: 470440

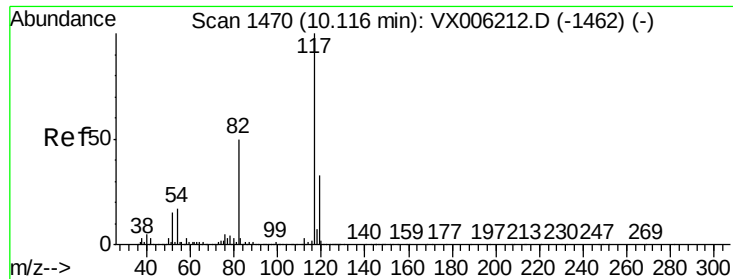
Ion Ratio Lower Upper

95 100

174 84.6 0.0 187.0

176 81.9 0.0 181.8

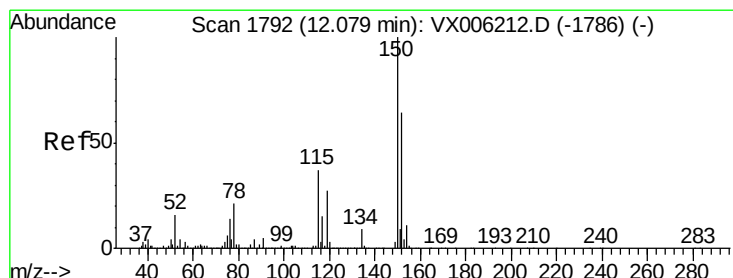
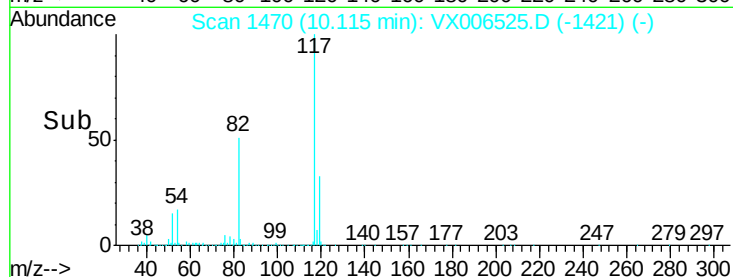
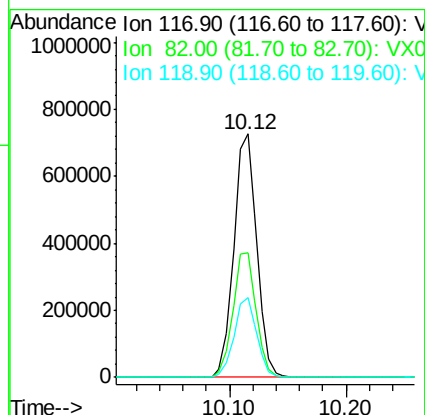
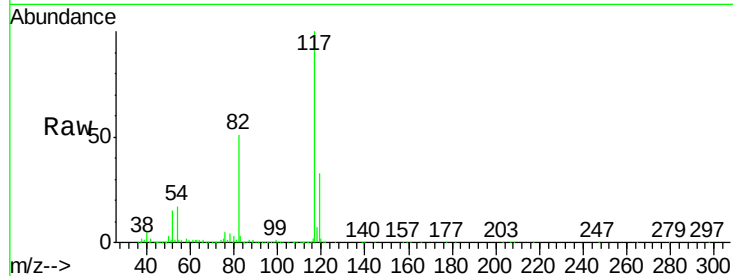




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX006525.D  
Acq: 14 Dec 2018 18:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A\_R1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.3  | 39.6  | 59.4  |
| 119     | 32.5  | 26.3  | 39.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX006525.D  
Acq: 14 Dec 2018 18:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.3  | 39.0  | 116.9 |
| 150     | 155.9 | 0.0   | 345.8 |

