

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\  
 Data File : VX002167.D  
 Acq On : 31 May 2018 05:43  
 Operator : JC/MD  
 Sample : J3185-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-17

Quant Time: May 31 07:09:08 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 284958   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 411817   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 370583   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 198166   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 180672   | 35.47 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 70.94% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 134125   | 32.57 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 65.14% |      |
| 50) Toluene-d8              | 8.72   | 98  | 543993   | 36.49 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 72.98% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 189182   | 32.43 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 64.86% |      |

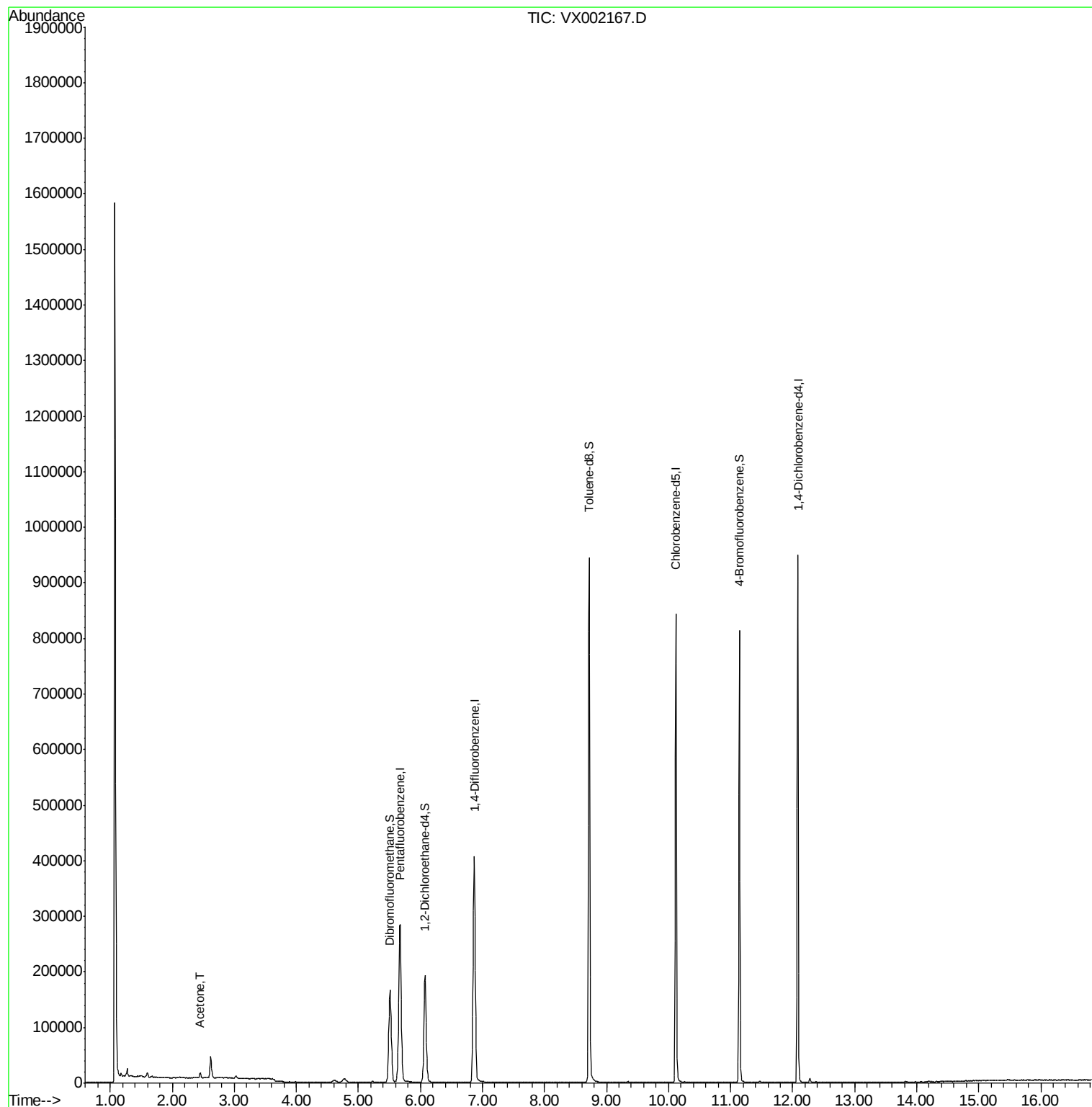
| Target Compounds |      |    |       |      |      | Qvalue |
|------------------|------|----|-------|------|------|--------|
| 16) Acetone      | 2.45 | 43 | 10222 | 5.20 | ug/l | 97     |

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

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Quant Title : SW846 8260  
QLast Update : Thu May 24 13:09:03 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA\_X

ClientSampleId :

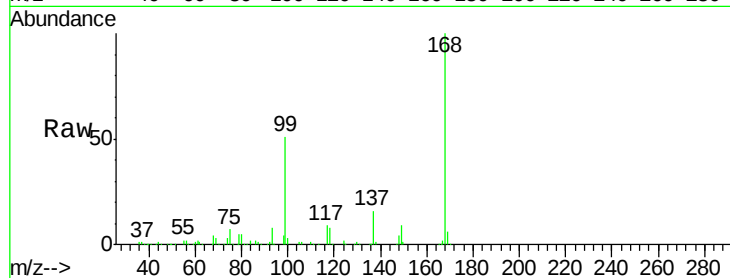
MW-17

Tot Ion:168 Resp: 284958

Ion Ratio Lower Upper

168 100

99 51.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

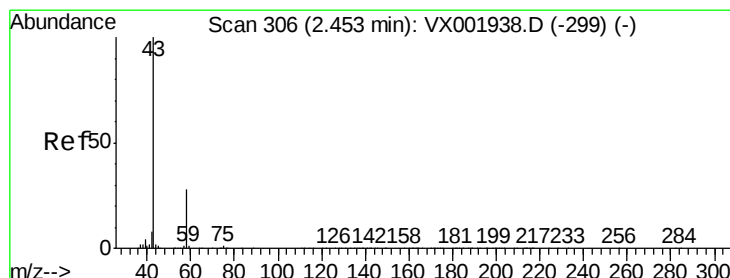
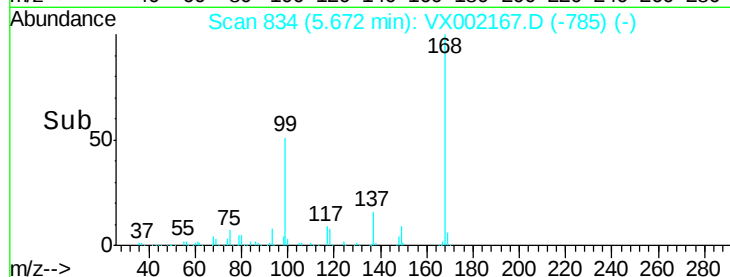
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 5.20 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002167.D

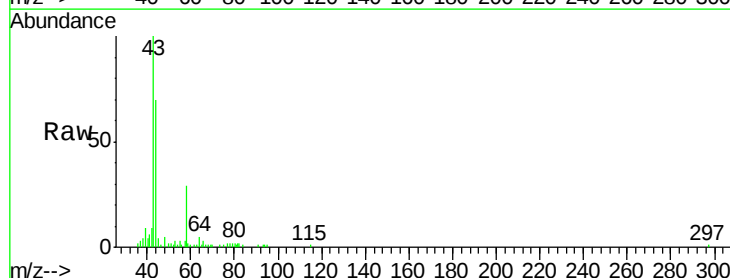
Acq: 31 May 2018 05:43

Tgt Ion: 43 Resp: 10222

Ion Ratio Lower Upper

43 100

58 29.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

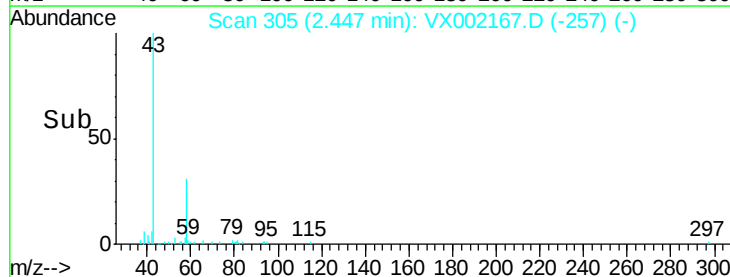
6000

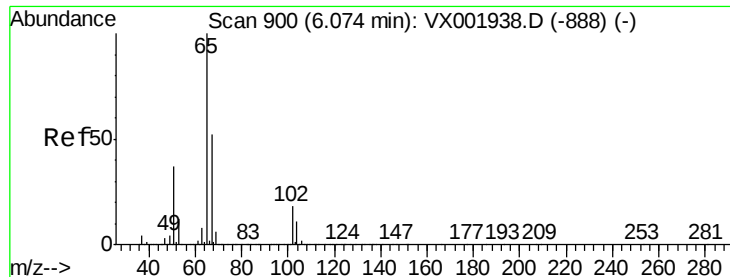
4000

2000

0

Time--> 2.40 2.45 2.50

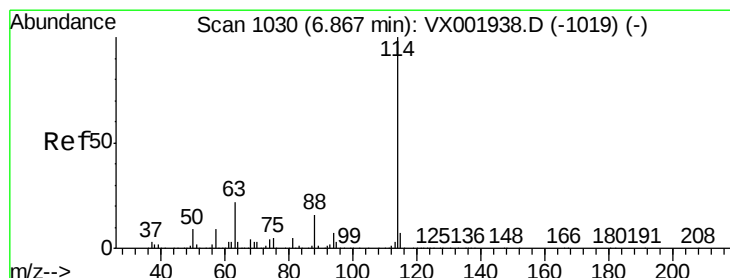
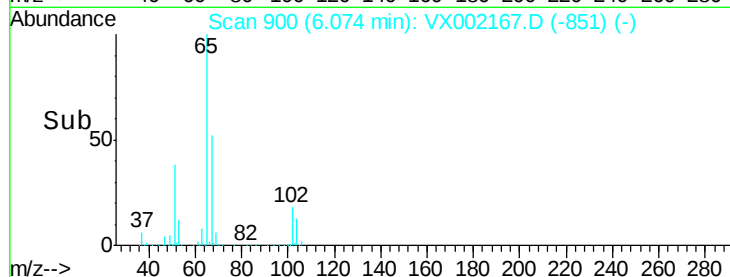
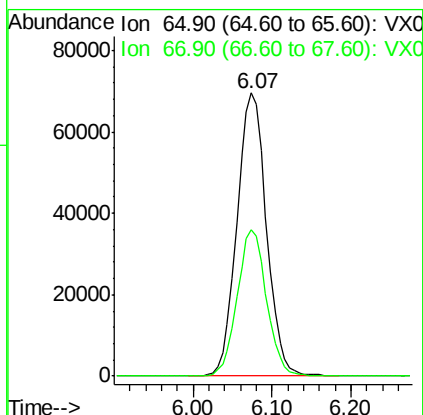
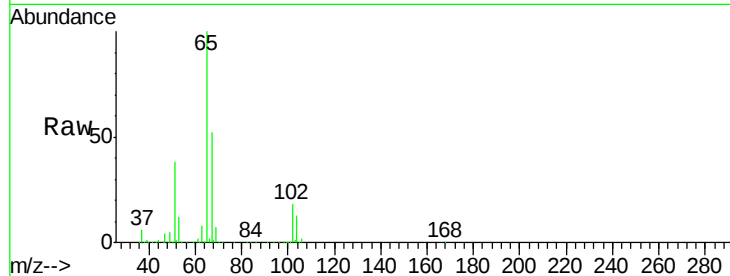




#33  
 1,2-Dichloroethane-d4  
 Concen: 35.47 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. -0.00 min  
 Lab File: VX002167.D  
 Acq: 31 May 2018 05:43

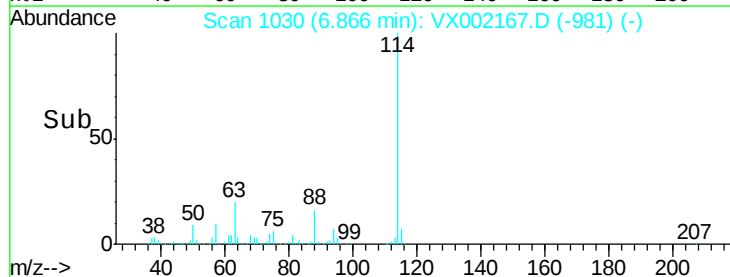
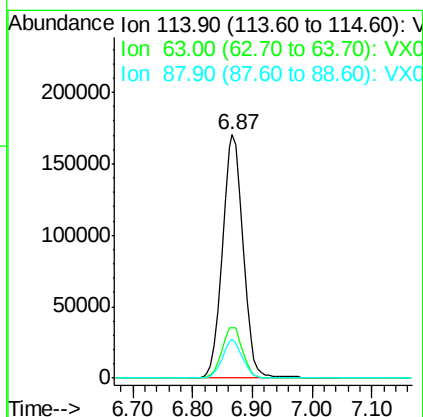
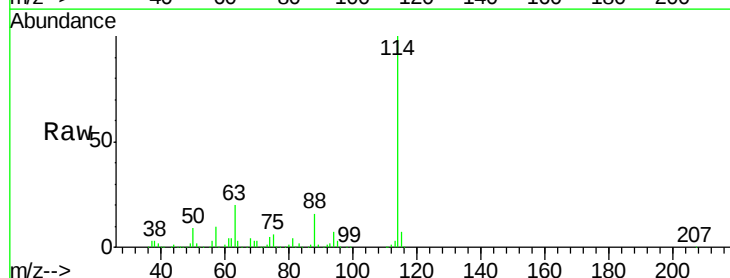
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-17

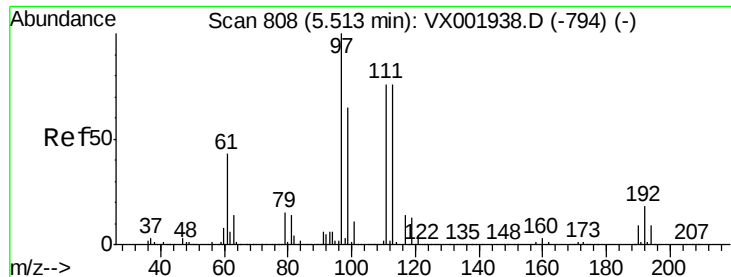
Tot Ion: 65 Resp: 180672  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002167.D  
 Acq: 31 May 2018 05:43

Tgt Ion: 114 Resp: 411817  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 43.2  
 88 15.7 0.0 31.6

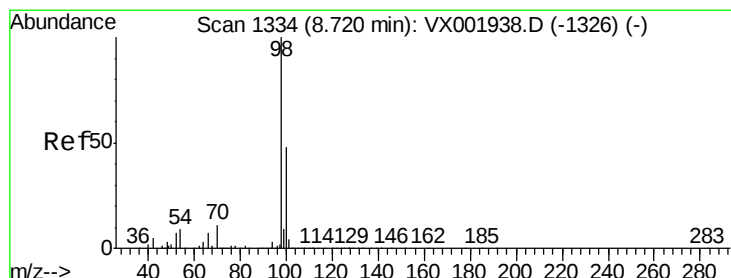
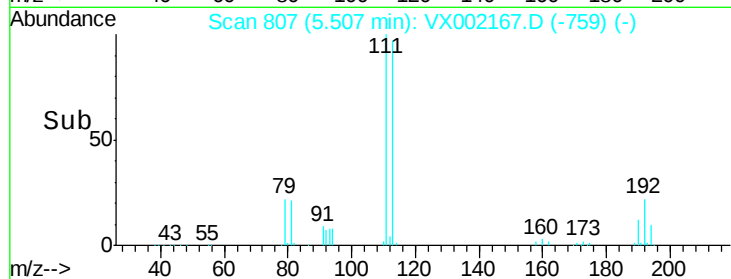
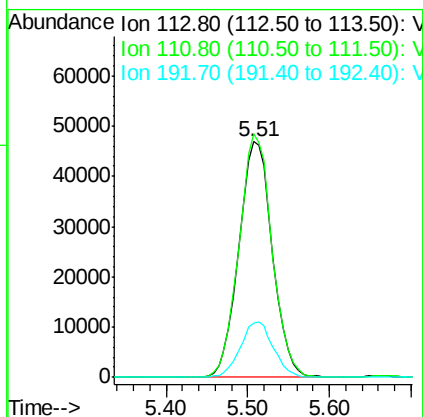
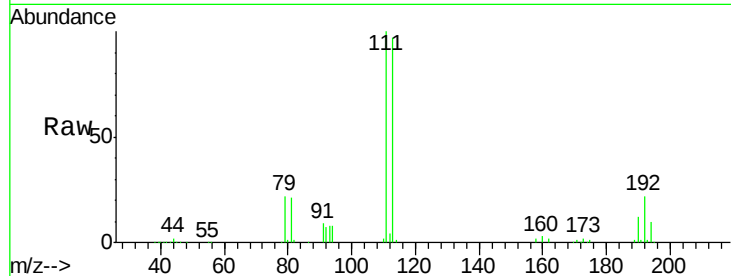




#35  
 Dibromofluoromethane  
 Concen: 32.57 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX002167.D  
 Acq: 31 May 2018 05:43

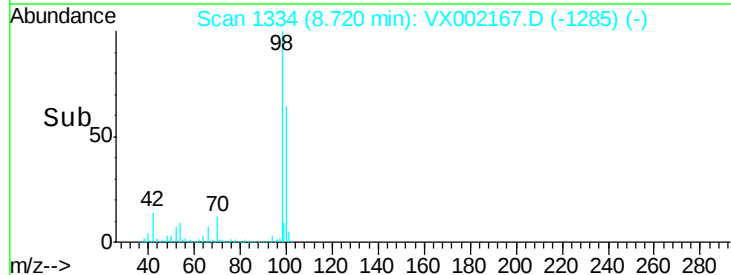
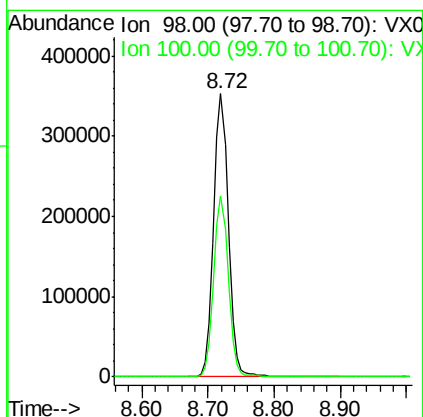
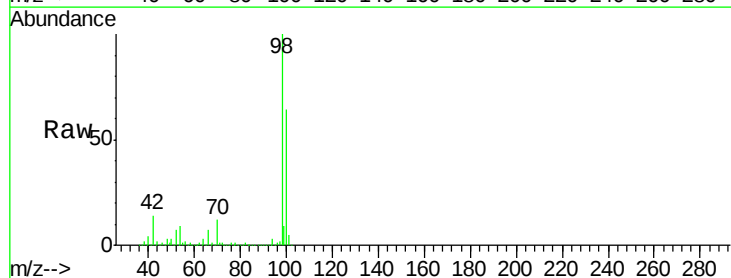
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-17

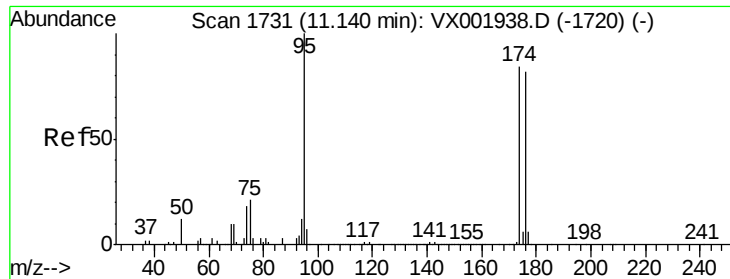
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 82.0  | 123.0 |
| 192     | 23.2  | 18.9  | 28.3  |



#50  
 Toluene-d8  
 Concen: 36.49 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: VX002167.D  
 Acq: 31 May 2018 05:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 51.5  | 77.3  |





#62

4-Bromofluorobenzene

Concen: 32.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA\_X

ClientSampleId :

MW-17

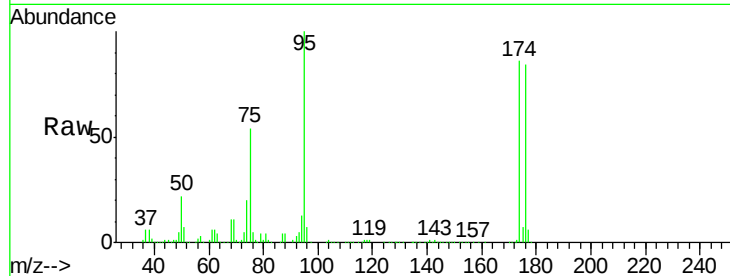
Tot Ion: 95 Resp: 189182

Ion Ratio Lower Upper

95 100

174 92.2 0.0 178.8

176 89.7 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)

Ion 173.80 (173.50 to 174.50): VX001938.D (-1720) (-)

Ion 175.80 (175.50 to 176.50): VX001938.D (-1720) (-)

11.14

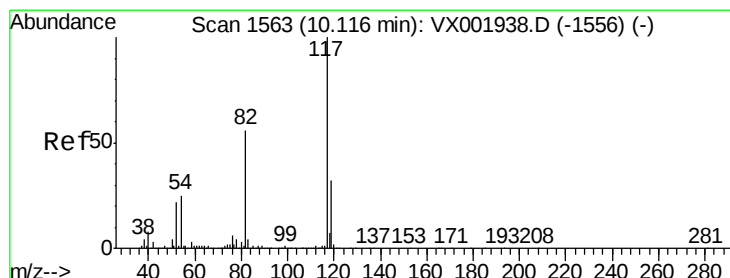
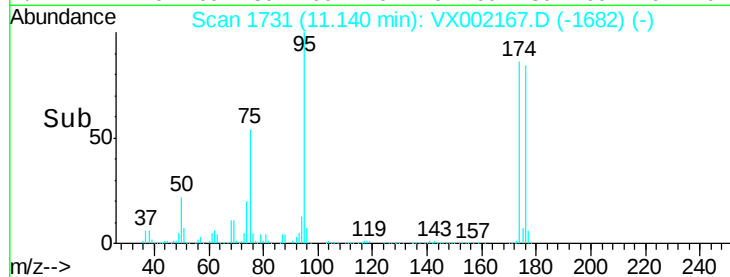
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

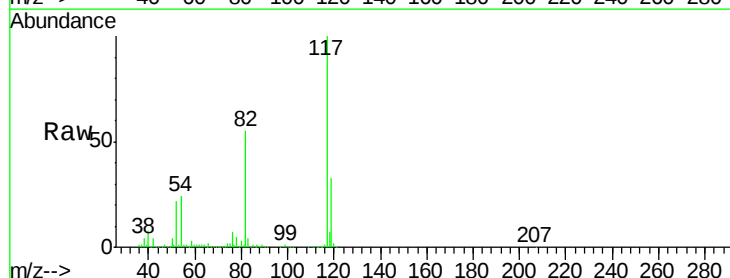
Tgt Ion: 117 Resp: 370583

Ion Ratio Lower Upper

117 100

82 55.1 44.8 67.2

119 32.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001938.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001938.D (-1556) (-)

10.12

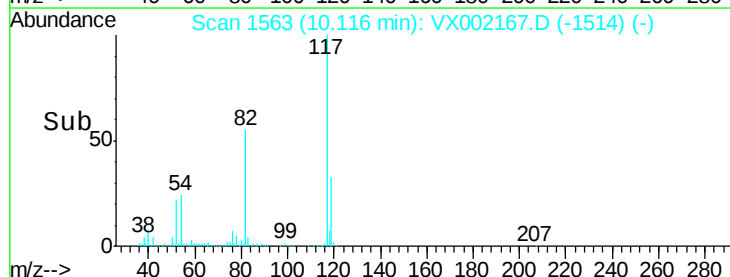
300000

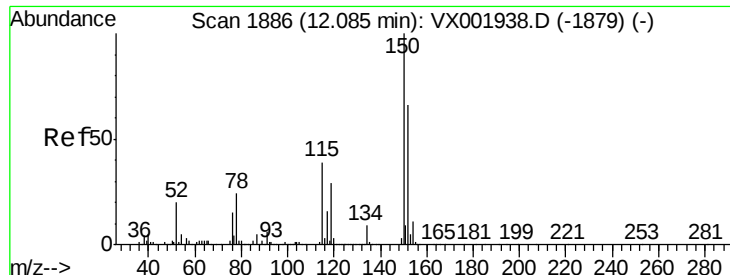
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA\_X

ClientSampleId :

MW-17

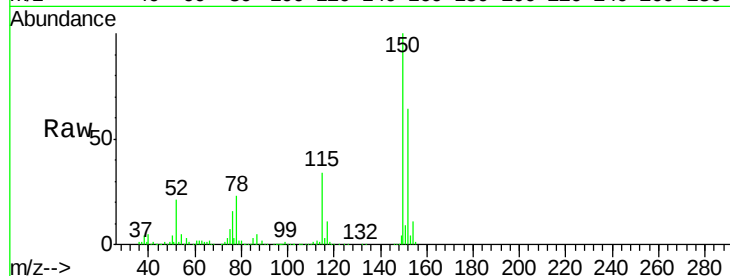
Tot Ion:152 Resp: 198166

Ion Ratio Lower Upper

152 100

115 55.1 42.3 126.8

150 155.6 0.0 351.0



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

