

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\  
 Data File : VX001839.D  
 Acq On : 18 May 2018 21:07  
 Operator : JC/MD  
 Sample : J2986-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS042MW127-180514

Quant Time: May 19 05:07:08 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

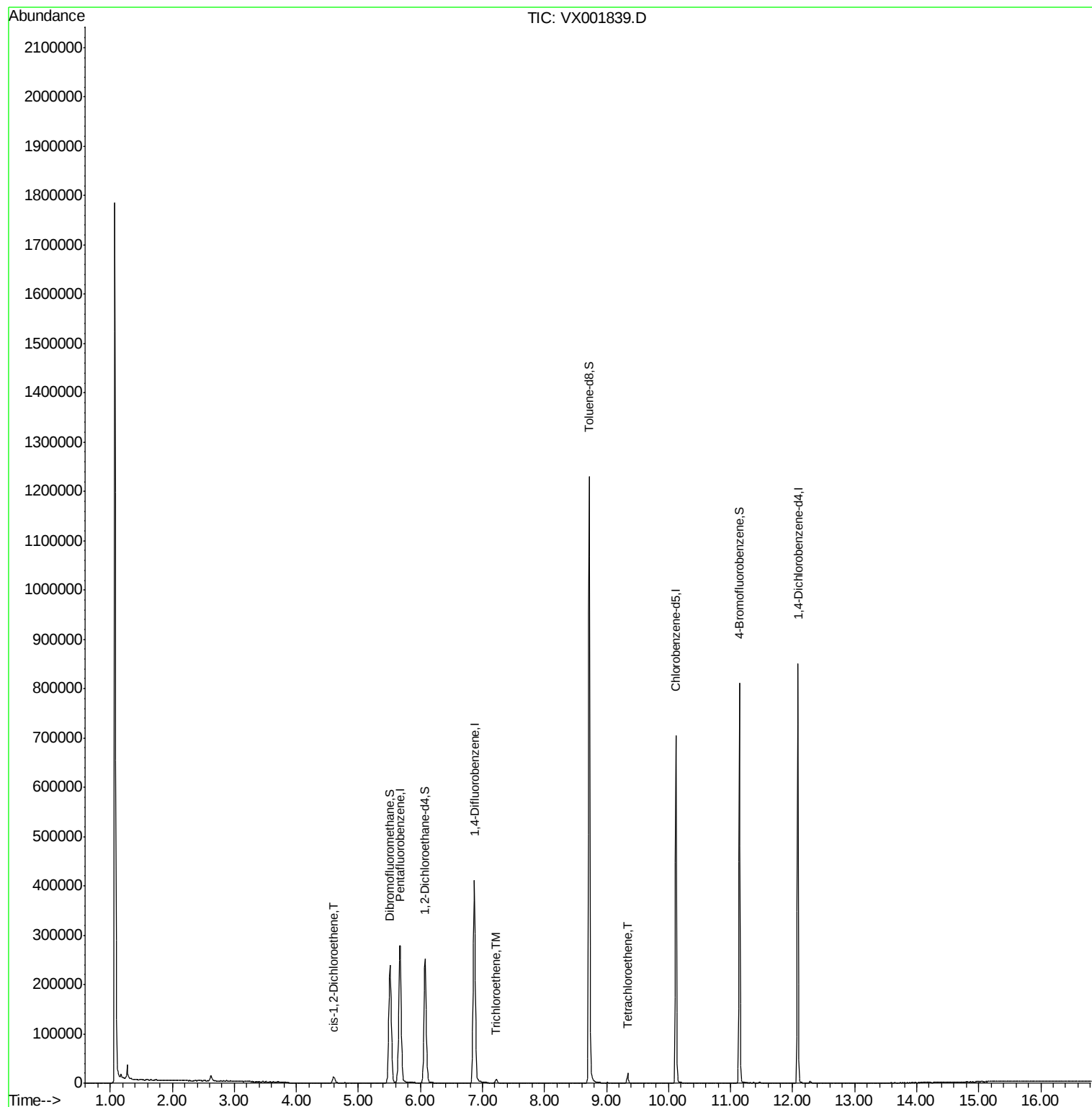
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 308032   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 435462   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 345011   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 189674   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 232334   | 56.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.54% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 200355   | 54.52 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.04% |          |
| 50) Toluene-d8              | 8.72  | 98   | 721963   | 54.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.70% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 206846   | 43.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.30%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 7808     | 2.05  | ug/l    | 95       |
| 44) Trichloroethene         | 7.22  | 130  | 2787     | 0.61  | ug/l    | 98       |
| 64) Tetrachloroethene       | 9.34  | 164  | 4297     | 0.96  | ug/l    | 97       |

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

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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: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA\_X

ClientSampleId :

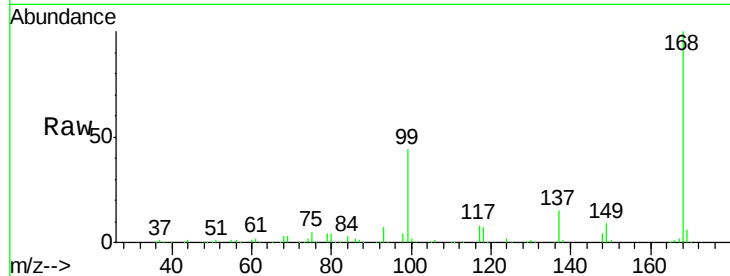
SS042MW127-180514

Tot Ion:168 Resp: 308032

Ion Ratio Lower Upper

168 100

99 43.8 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

120000

100000

80000

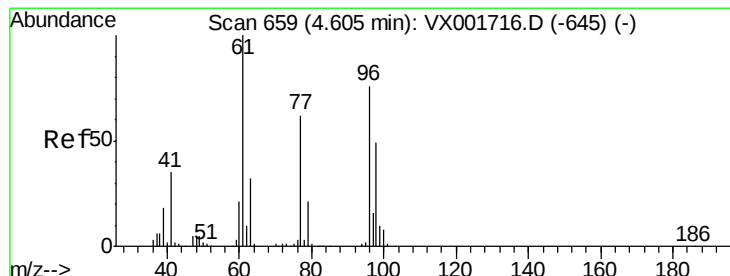
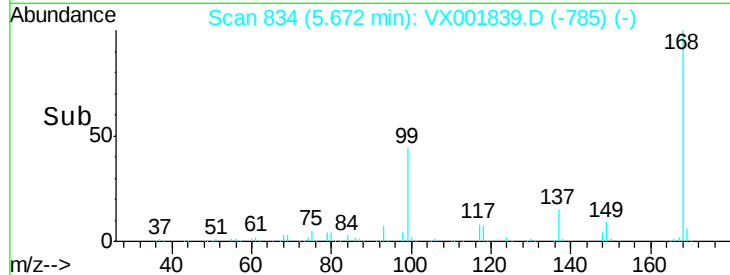
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 2.05 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

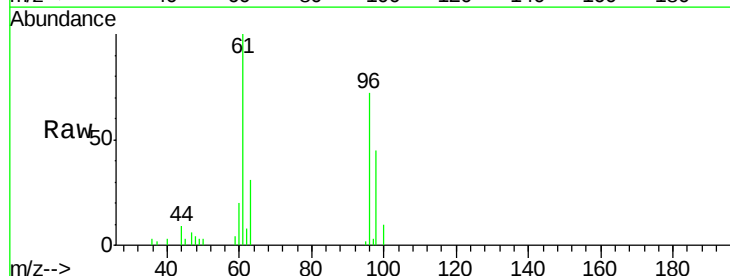
Tgt Ion: 96 Resp: 7808

Ion Ratio Lower Upper

96 100

61 148.3 0.0 280.4

98 64.4 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

5000

4000

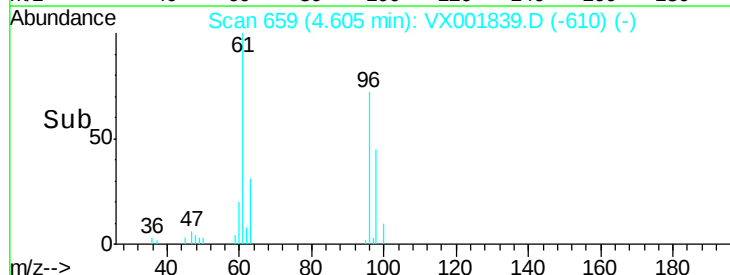
3000

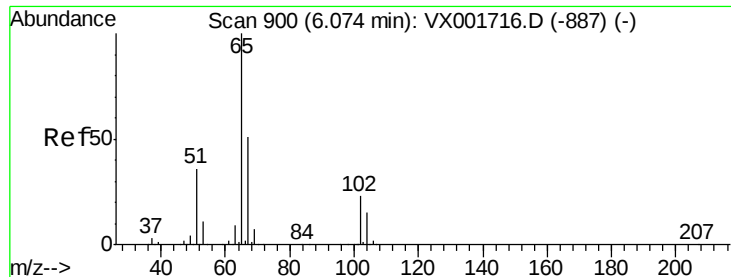
2000

1000

0

Time--> 4.50 4.55 4.60 4.65 4.70





#33

1,2-Dichloroethane-d4

Concen: 56.27 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA\_X

ClientSampleId :

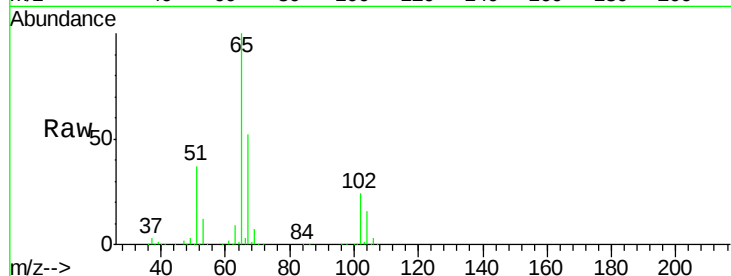
SS042MW127-180514

Tot Ion: 65 Resp: 232334

Ion Ratio Lower Upper

65 100

67 53.0 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

100000

80000

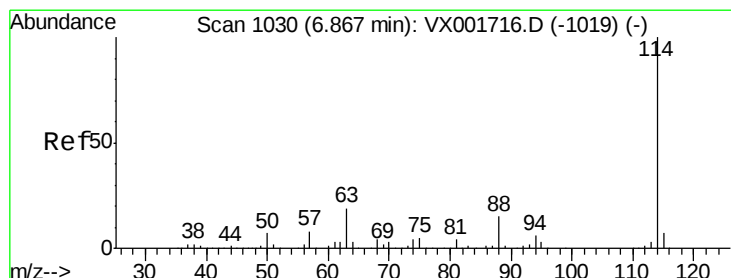
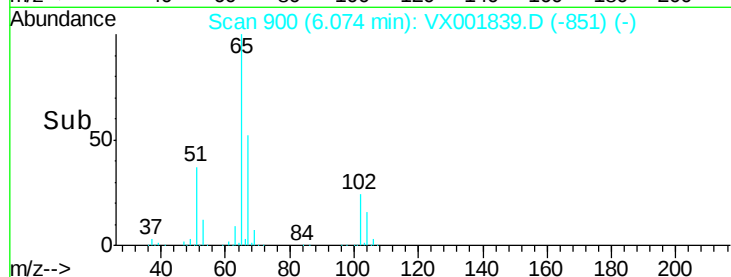
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

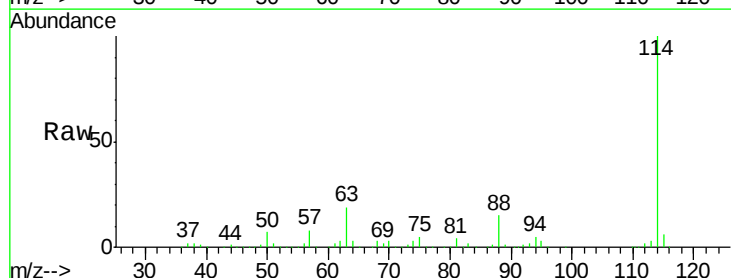
Tgt Ion: 114 Resp: 435462

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

88 14.6 0.0 29.8



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

250000

200000

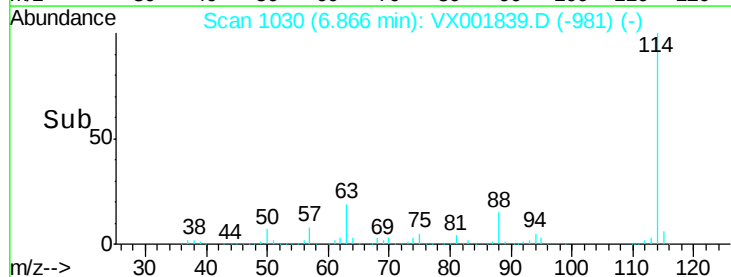
150000

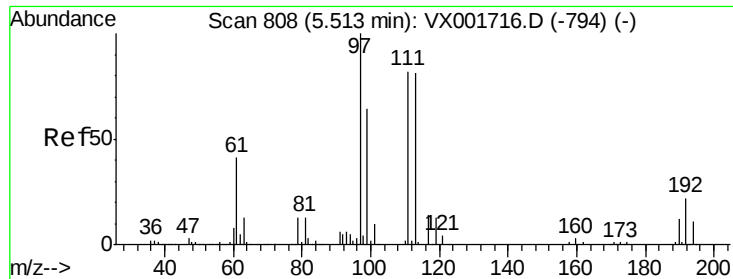
100000

50000

0

Time-->

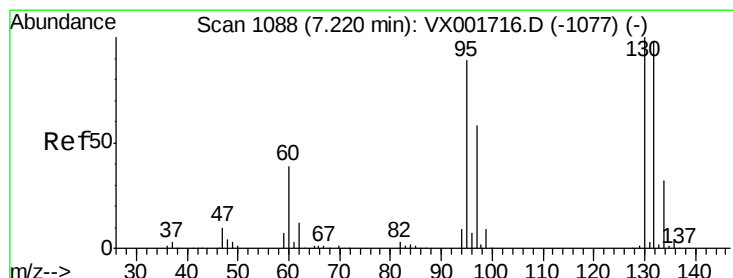
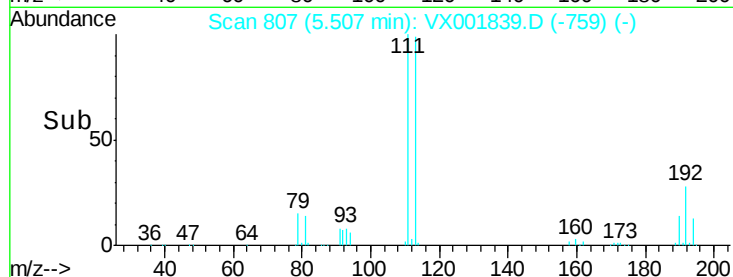
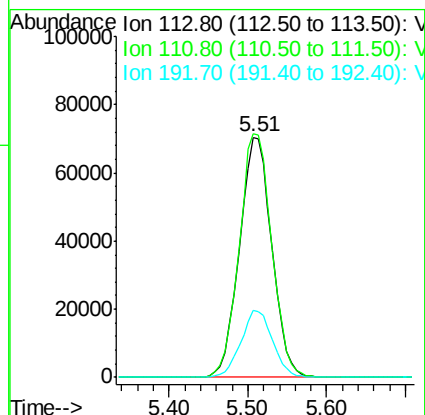
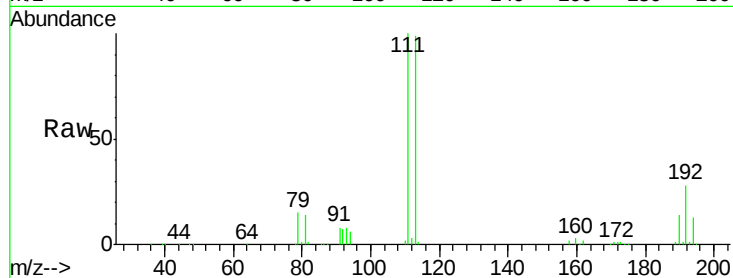




#35  
 Dibromofluoromethane  
 Concen: 54.52 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX001839.D  
 Acq: 18 May 2018 21:07

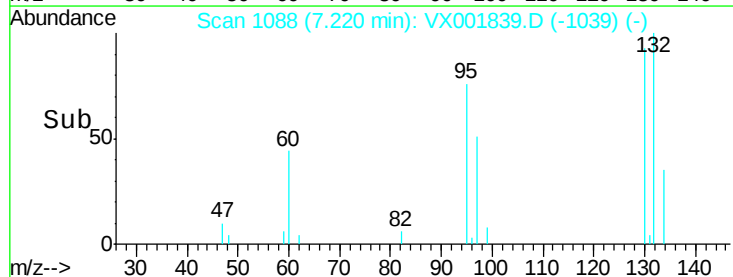
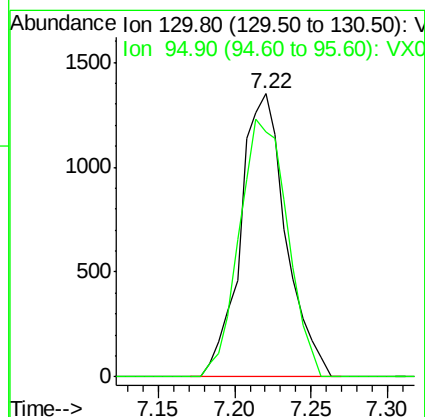
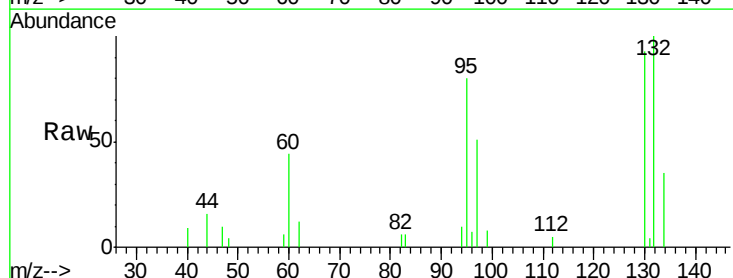
Instrument :  
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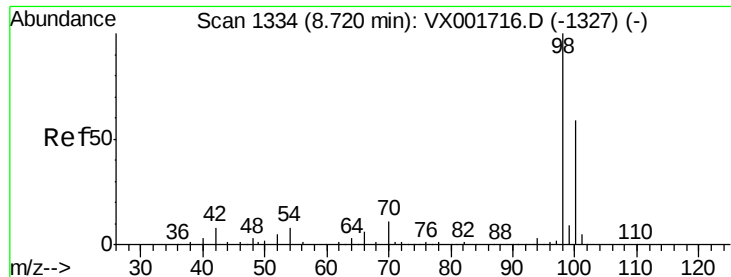
Tot Ion:113 Resp: 200355  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 82.0 123.0  
 192 27.3 21.6 32.4



#44  
 Trichloroethene  
 Concen: 0.61 ug/l  
 RT: 7.22 min Scan# 1088  
 Delta R.T. -0.00 min  
 Lab File: VX001839.D  
 Acq: 18 May 2018 21:07

Tgt Ion:130 Resp: 2787  
 Ion Ratio Lower Upper  
 130 100  
 95 86.4 0.0 177.2





#50

Toluene-d8

Concen: 54.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA\_X

ClientSampleId :

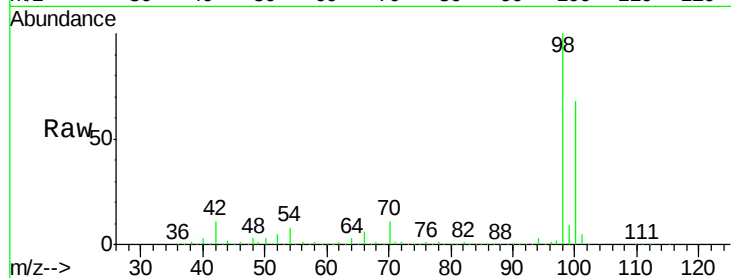
SS042MW127-180514

Tot Ion: 98 Resp: 721963

Ion Ratio Lower Upper

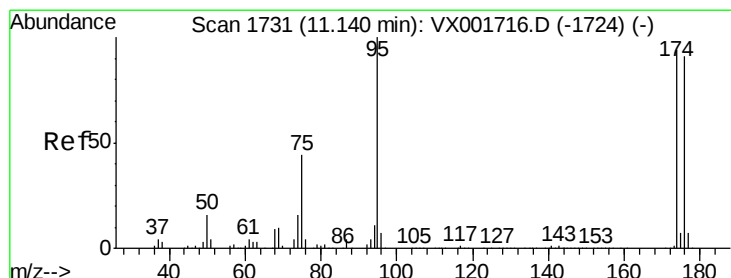
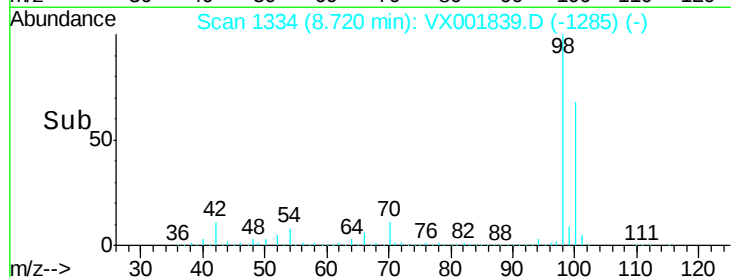
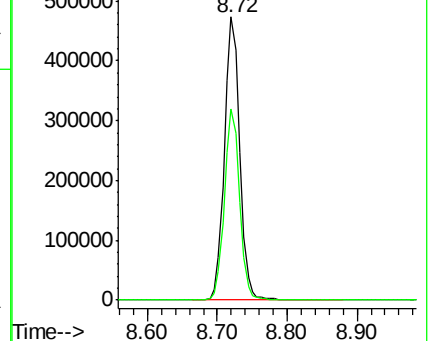
98 100

100 67.1 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: 43.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

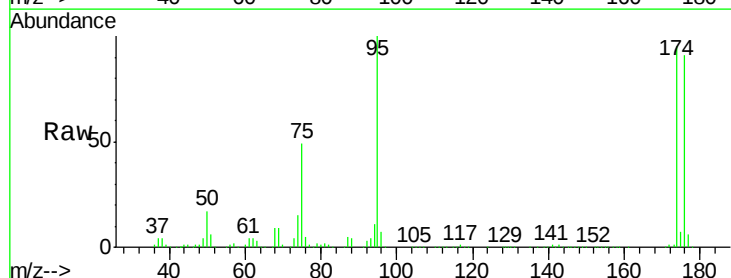
Tgt Ion: 95 Resp: 206846

Ion Ratio Lower Upper

95 100

174 103.5 0.0 201.8

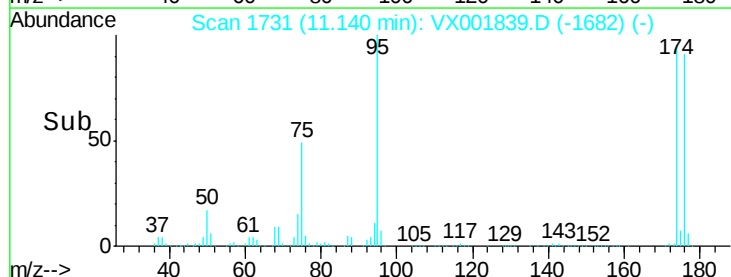
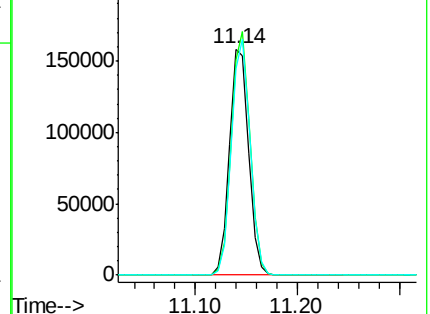
176 100.6 0.0 196.8

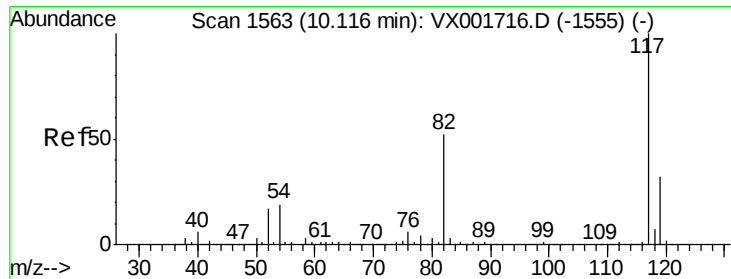


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1564

Delta R.T. 0.01 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA\_X

ClientSampleId :

SS042MW127-180514

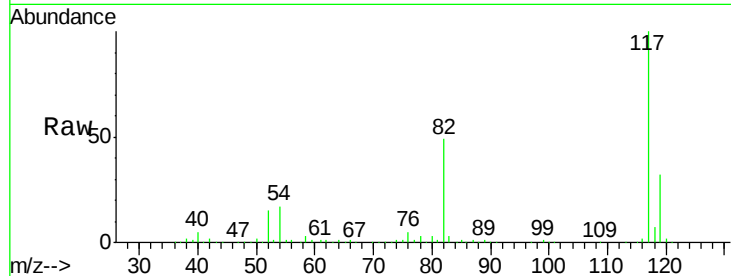
Tot Ion:117 Resp: 345011

Ion Ratio Lower Upper

117 100

82 49.1 41.4 62.2

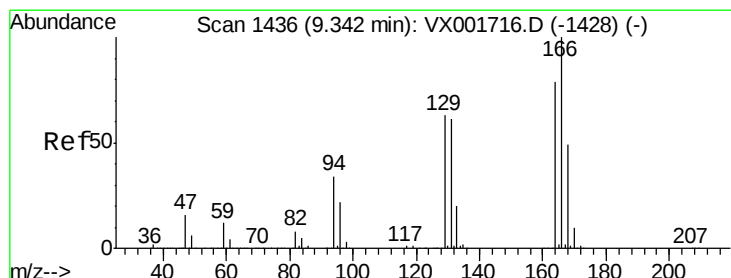
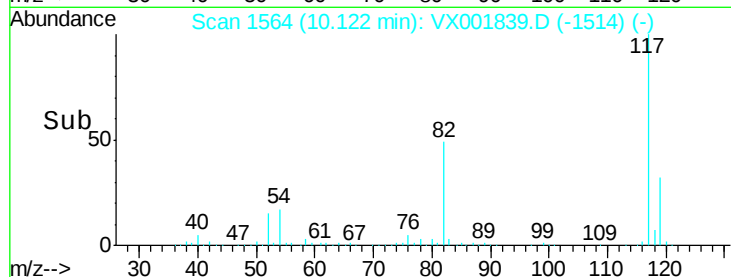
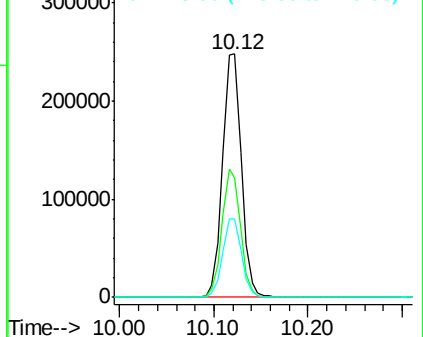
119 32.1 25.6 38.4



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



#64

Tetrachloroethene

Concen: 0.96 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001839.D

Acq: 18 May 2018 21:07

Tgt Ion:164 Resp: 4297

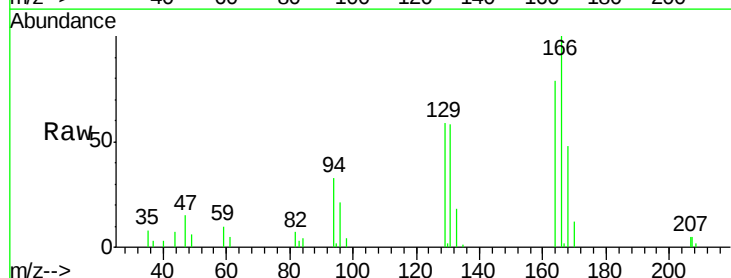
Ion Ratio Lower Upper

164 100

166 127.2 101.8 152.8

129 74.8 63.8 95.6

131 73.3 62.2 93.2

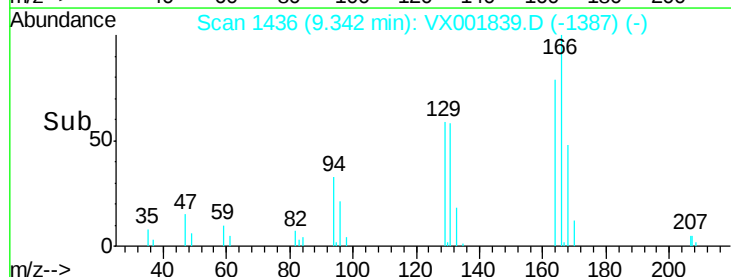
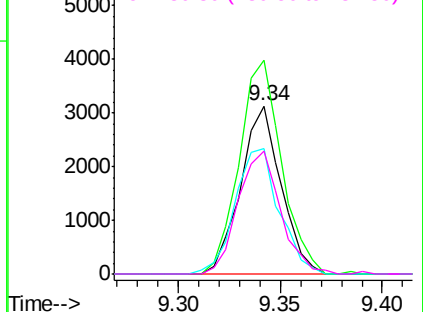


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX001839.D

Acq: 18 May 2018 21:07

Instrument :

MSVOA\_X

ClientSampleId :

SS042MW127-180514

Tot Ion:152 Resp: 189674

Ion Ratio Lower Upper

152 100

115 51.5 37.4 112.2

150 155.6 0.0 344.8

