

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\  
 Data File : VX002870.D  
 Acq On : 25 Jun 2018 20:22  
 Operator : JC/MD  
 Sample : J3604-02DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-10DL

Quant Time: Jun 27 05:47:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

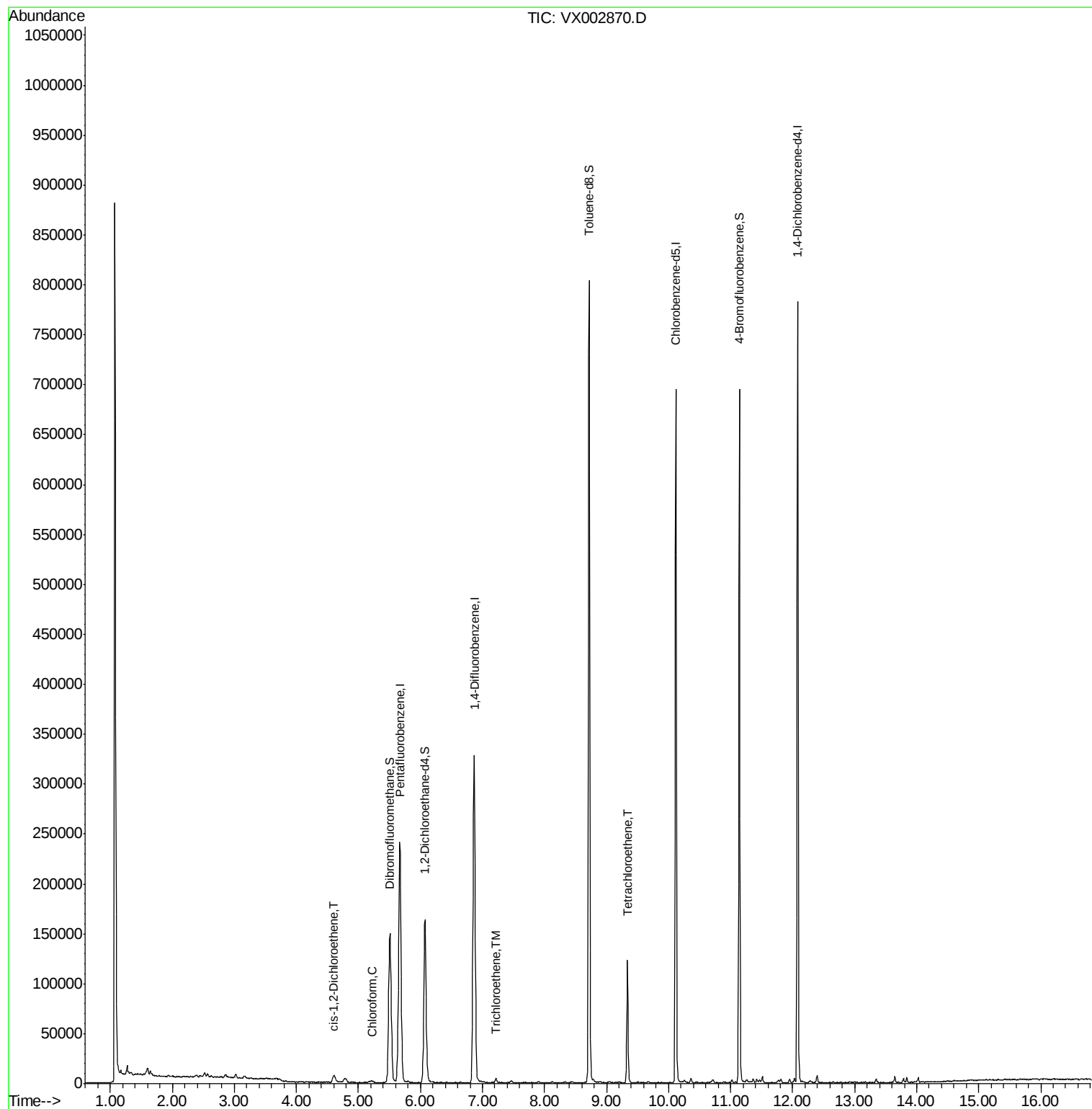
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 240311   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 328982   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 301630   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 165848   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 156052   | 46.98 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.96% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 124153   | 47.66 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.32% |          |
| 50) Toluene-d8              | 8.72  | 98   | 461115   | 48.47 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.94% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 161340   | 43.97 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.94% |          |
| Target Compounds            |       |      |          |       |        |          |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 2894     | 1.00  | ug/l   | # 1      |
| 30) Chloroform              | 5.22  | 83   | 1354     | 0.27  | ug/l   | 89       |
| 44) Trichloroethene         | 7.22  | 130  | 1317     | 0.42  | ug/l   | 75       |
| 64) Tetrachloroethene       | 9.34  | 164  | 24205    | 7.22  | ug/l   | 98       |

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

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Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002870.D

Acq: 25 Jun 2018 20:22

Instrument :

MSVOA\_X

ClientSampleId :

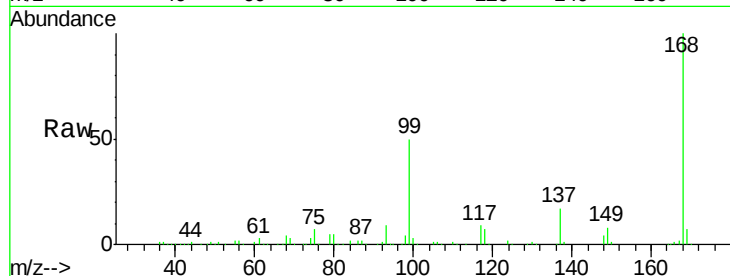
MW-10DL

Tot Ion:168 Resp: 240311

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

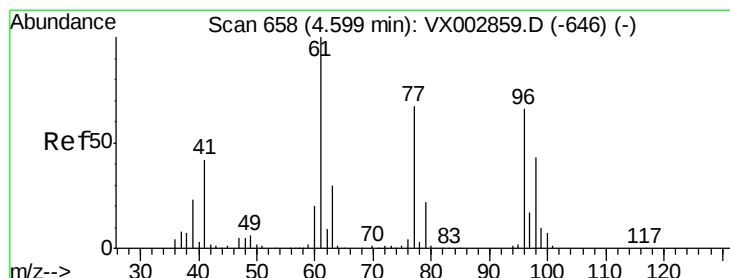
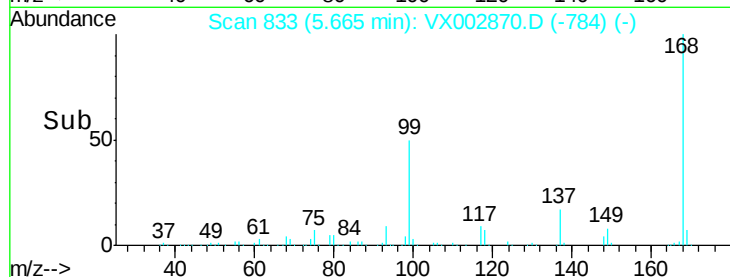
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 1.00 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX002870.D

Acq: 25 Jun 2018 20:22

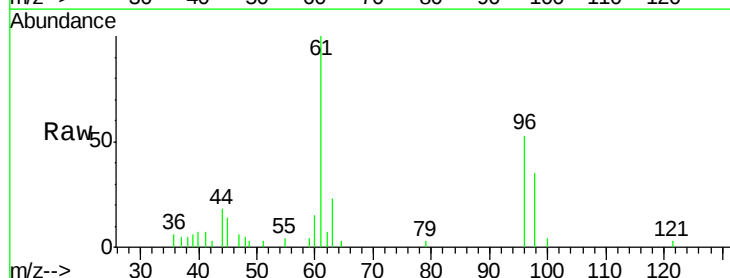
Tgt Ion: 96 Resp: 2894

Ion Ratio Lower Upper

96 100

61 390.6 0.0 330.2#

98 65.9 0.0 130.2



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

4000

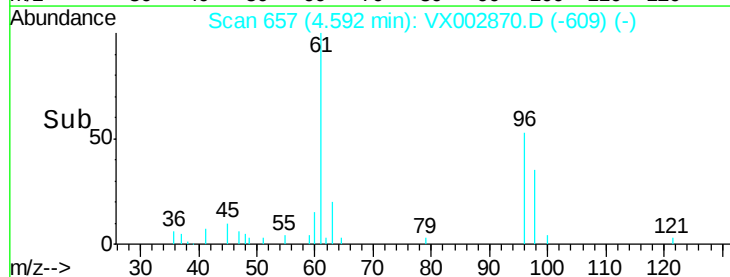
3000

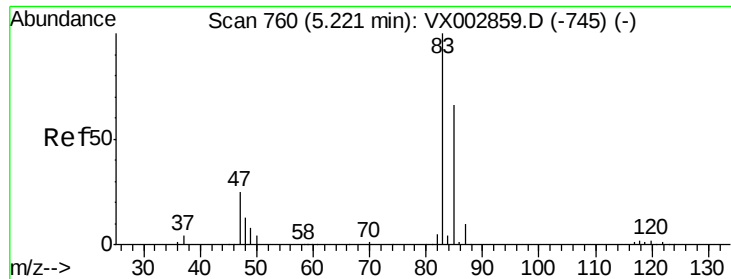
2000

1000

0

Time--> 4.50 4.55 4.60 4.65 4.70

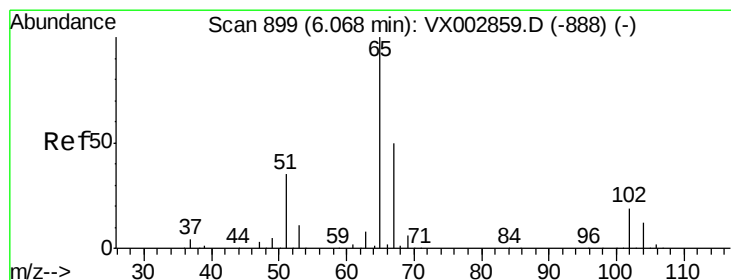
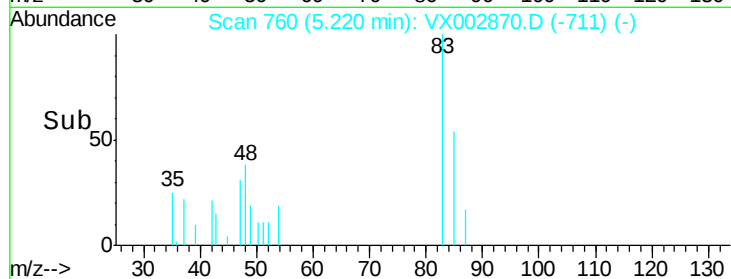
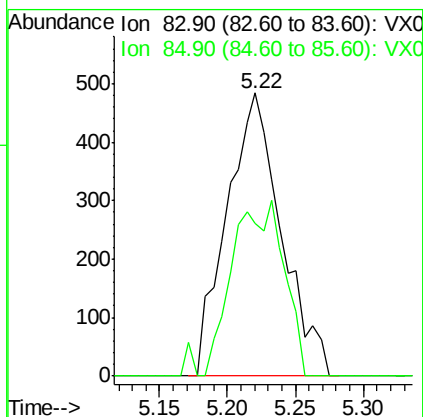
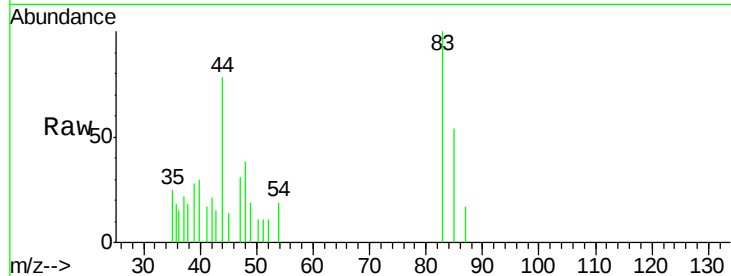




#30  
Chloroform  
Concen: 0.27 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. -0.00 min  
Lab File: VX002870.D  
Acq: 25 Jun 2018 20:22

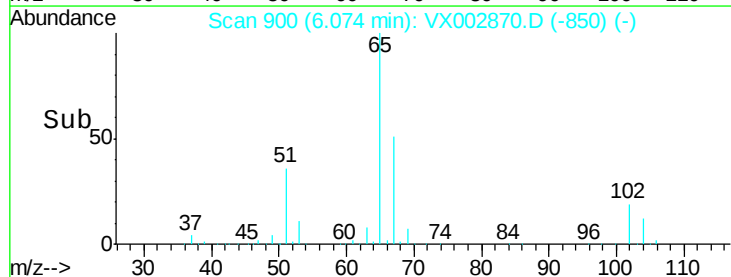
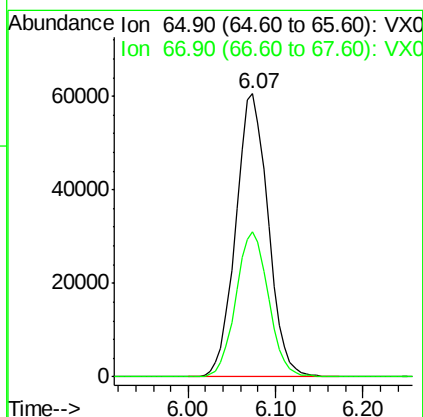
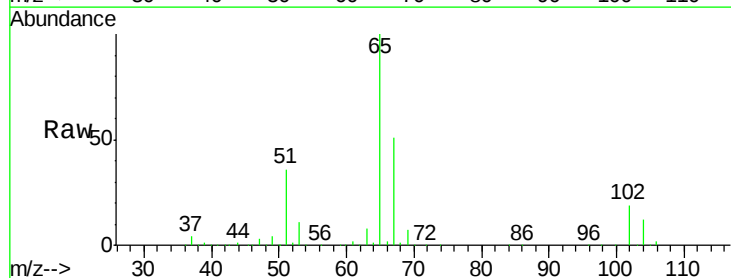
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-10DL

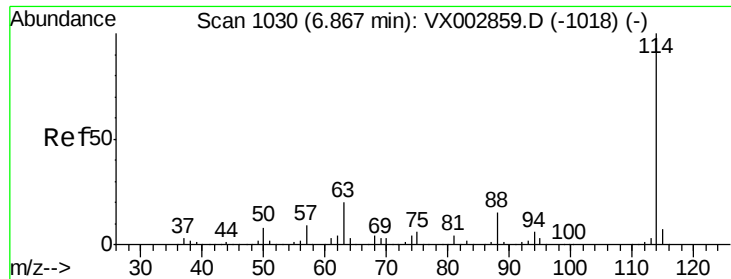
Tot Ion: 83 Resp: 1354  
Ion Ratio Lower Upper  
83 100  
85 54.1 50.4 75.6



#33  
1,2-Dichloroethane-d4  
Concen: 46.98 ug/l  
RT: 6.07 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: VX002870.D  
Acq: 25 Jun 2018 20:22

Tgt Ion: 65 Resp: 156052  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 102.6

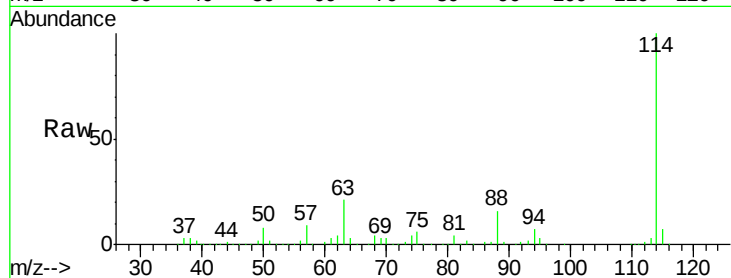




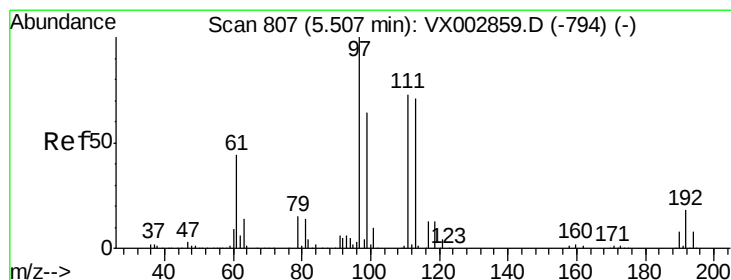
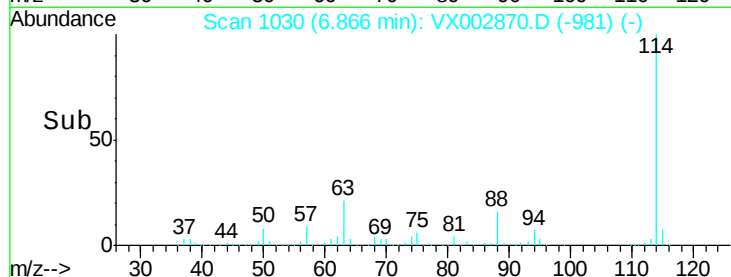
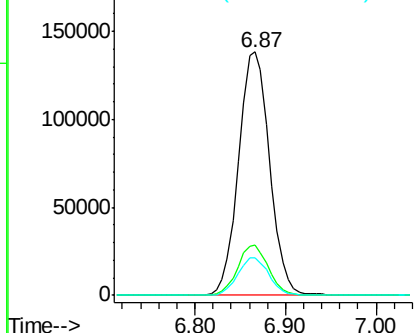
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002870.D  
 Acq: 25 Jun 2018 20:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-10DL

Tot Ion:114 Resp: 328982  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 41.4  
 88 15.6 0.0 30.0

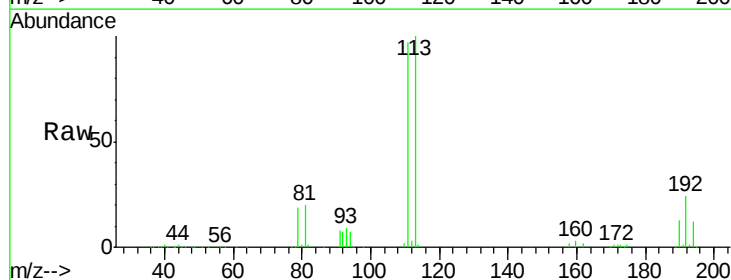


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX  
 Ion 87.90 (87.60 to 88.60): VX

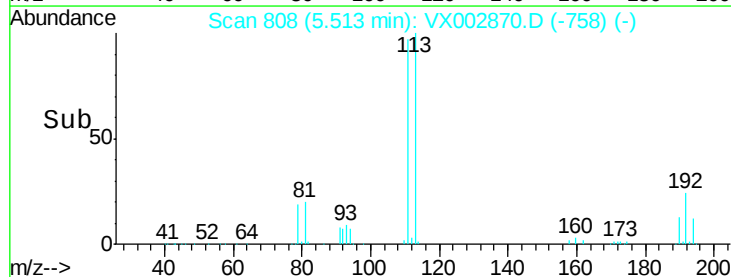
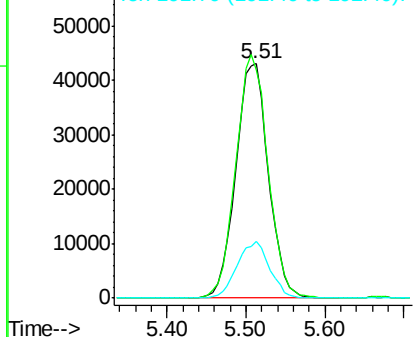


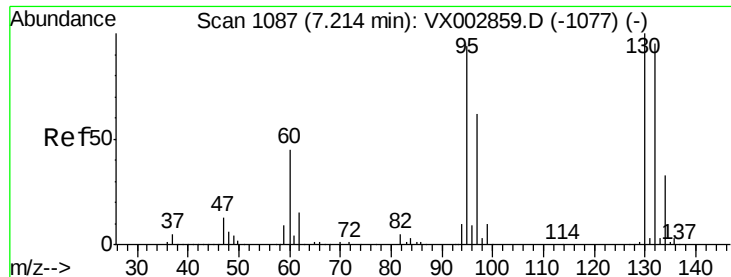
#35  
 Dibromofluoromethane  
 Concen: 47.66 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. 0.01 min  
 Lab File: VX002870.D  
 Acq: 25 Jun 2018 20:22

Tgt Ion:113 Resp: 124153  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.4 122.0  
 192 24.0 19.1 28.7



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





#44

Trichloroethene

Concen: 0.42 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002870.D

Acq: 25 Jun 2018 20:22

Instrument :

MSVOA\_X

ClientSampleId :

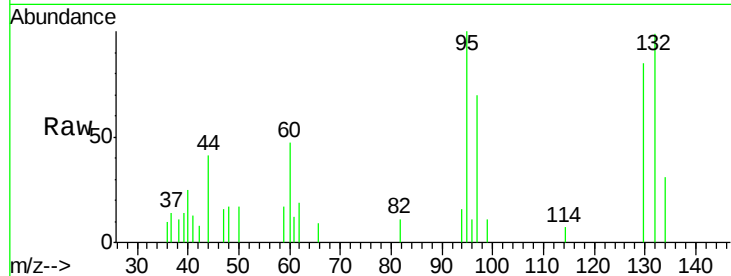
MW-10DL

Tot Ion:130 Resp: 1317

Ion Ratio Lower Upper

130 100

95 117.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

800

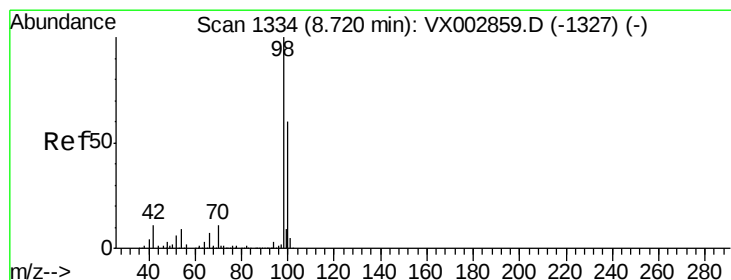
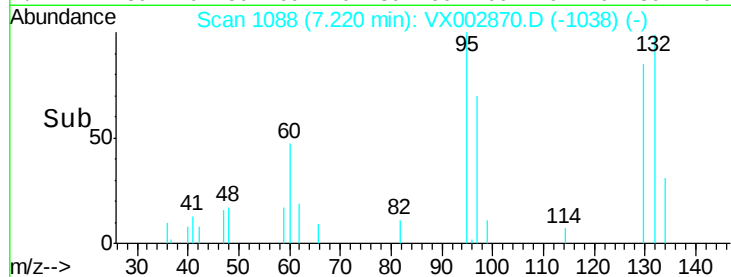
600

400

200

0

Time--> 7.15 7.20 7.25



#50

Toluene-d8

Concen: 48.47 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002870.D

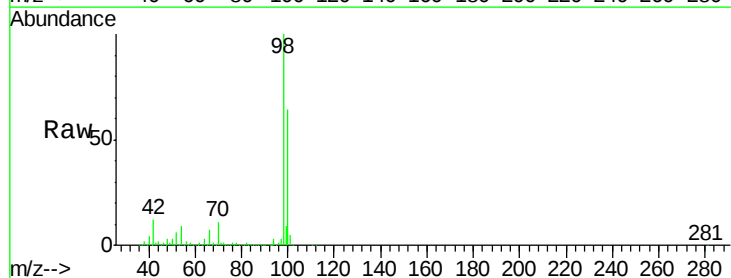
Acq: 25 Jun 2018 20:22

Tgt Ion: 98 Resp: 461115

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

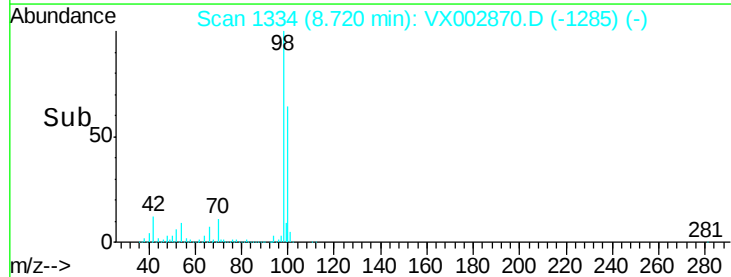
300000

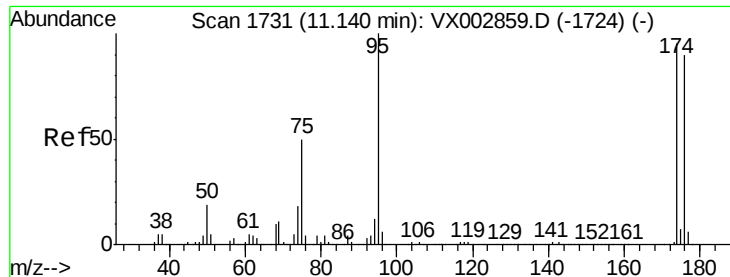
200000

100000

0

Time--> 8.60 8.70 8.80

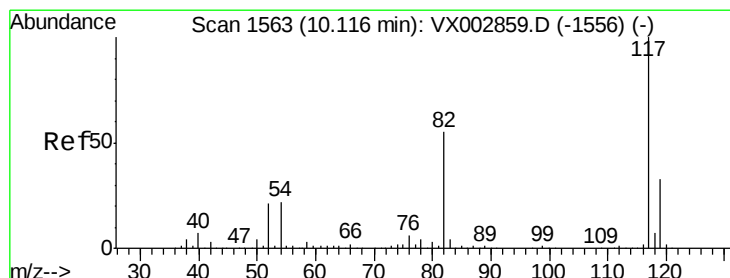
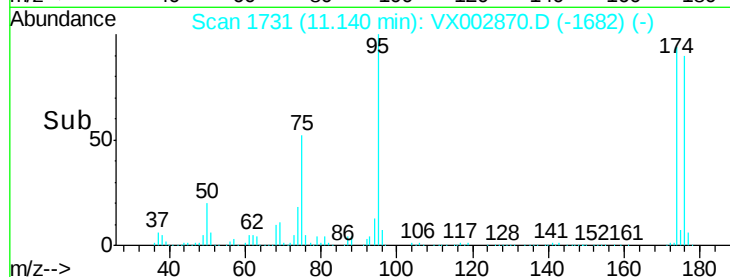
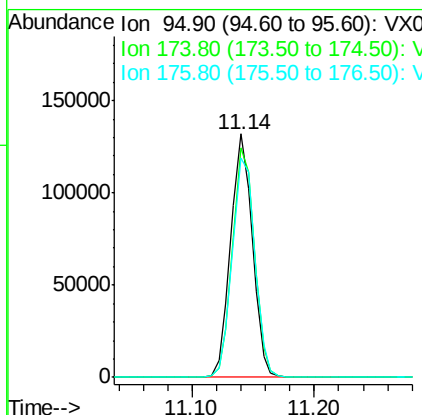
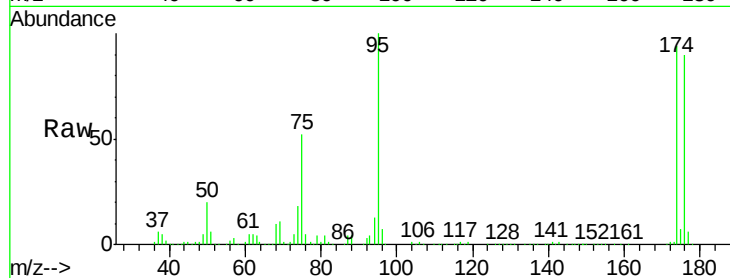




#62  
4-Bromofluorobenzene  
Concen: 43.97 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX002870.D  
Acq: 25 Jun 2018 20:22

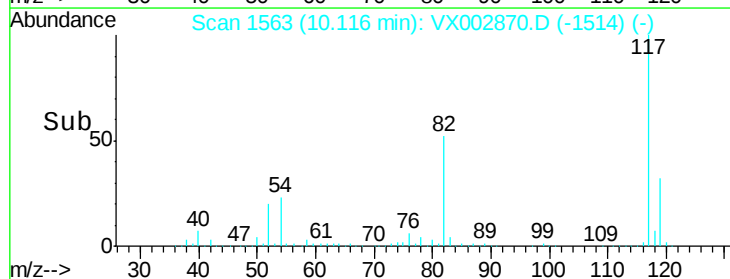
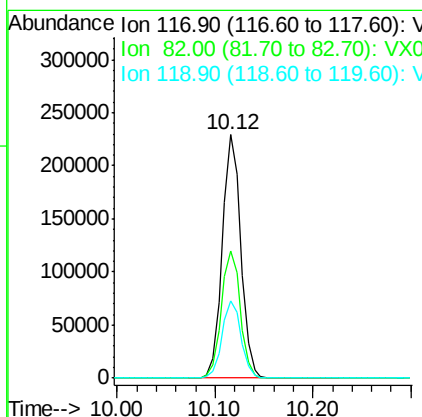
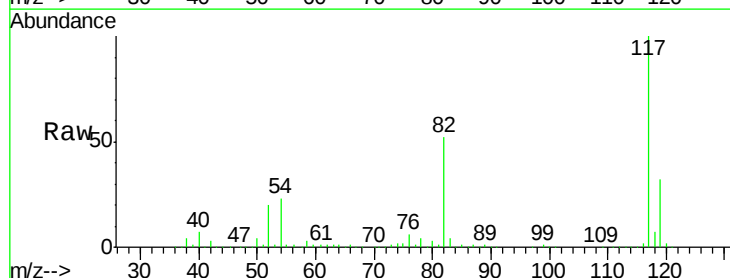
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10DL

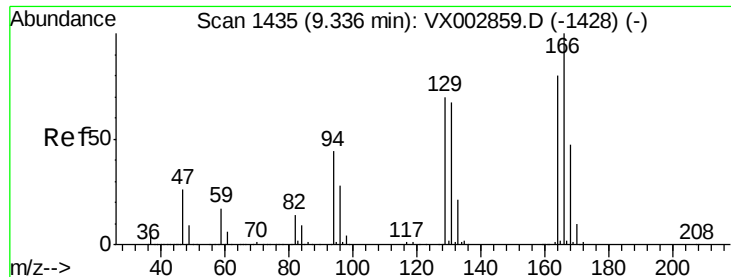
Tot Ion: 95 Resp: 161340  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 187.4  
176 93.7 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002870.D  
Acq: 25 Jun 2018 20:22

Tgt Ion: 117 Resp: 301630  
Ion Ratio Lower Upper  
117 100  
82 52.4 45.0 67.4  
119 31.8 25.8 38.6





#64

Tetrachloroethene

Concen: 7.22 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX002870.D

Acq: 25 Jun 2018 20:22

Instrument :

MSVOA\_X

ClientSampleId :

MW-10DL

Tot Ion:164 Resp: 24205

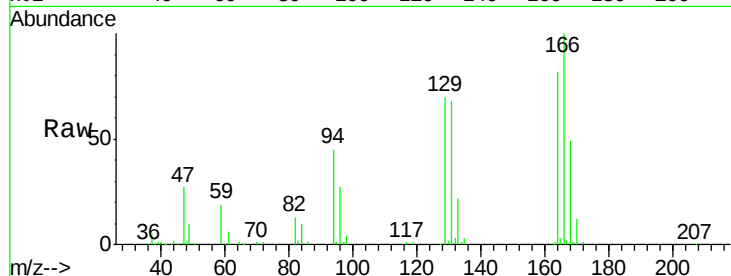
Ion Ratio Lower Upper

164 100

166 122.4 102.9 154.3

129 86.1 68.6 102.8

131 83.5 66.8 100.2

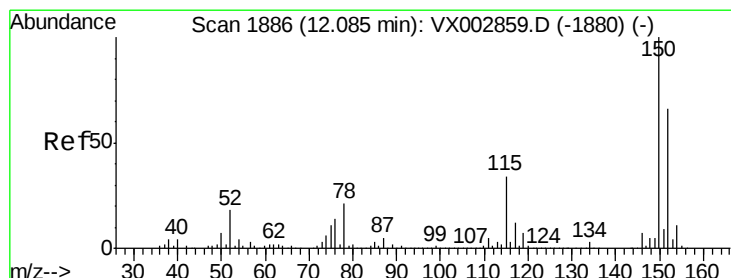
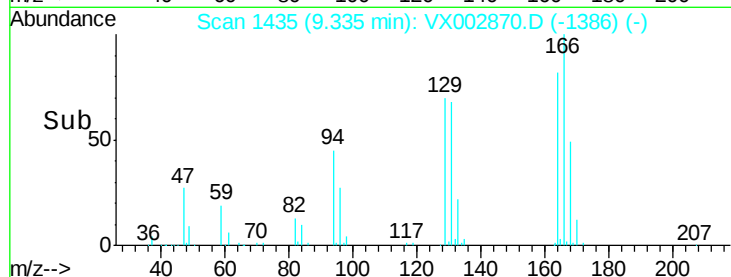
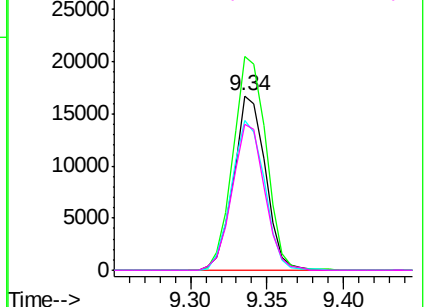


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002870.D

Acq: 25 Jun 2018 20:22

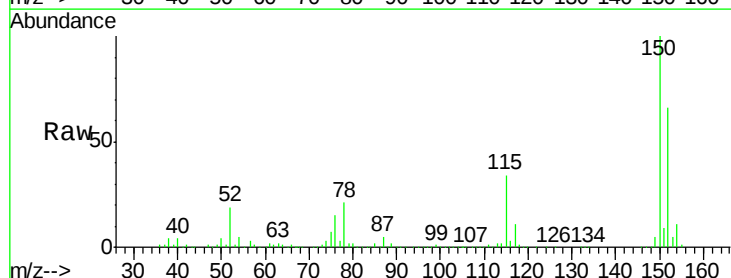
Tgt Ion:152 Resp: 165848

Ion Ratio Lower Upper

152 100

115 55.3 40.1 120.2

150 156.4 0.0 347.2



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

