

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\  
 Data File : VX003196.D  
 Acq On : 06 Jul 2018 02:47  
 Operator : JC/MD  
 Sample : J3844-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP022MW001-180702

Quant Time: Jul 06 11:19:34 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  | 270459   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 374768   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 344738   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 192241   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 170641   | 45.65 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.30% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 145022   | 48.86 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.72% |          |
| 50) Toluene-d8              | 8.72  | 98   | 519485   | 47.93 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.86% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 180859   | 43.27 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.54% |          |

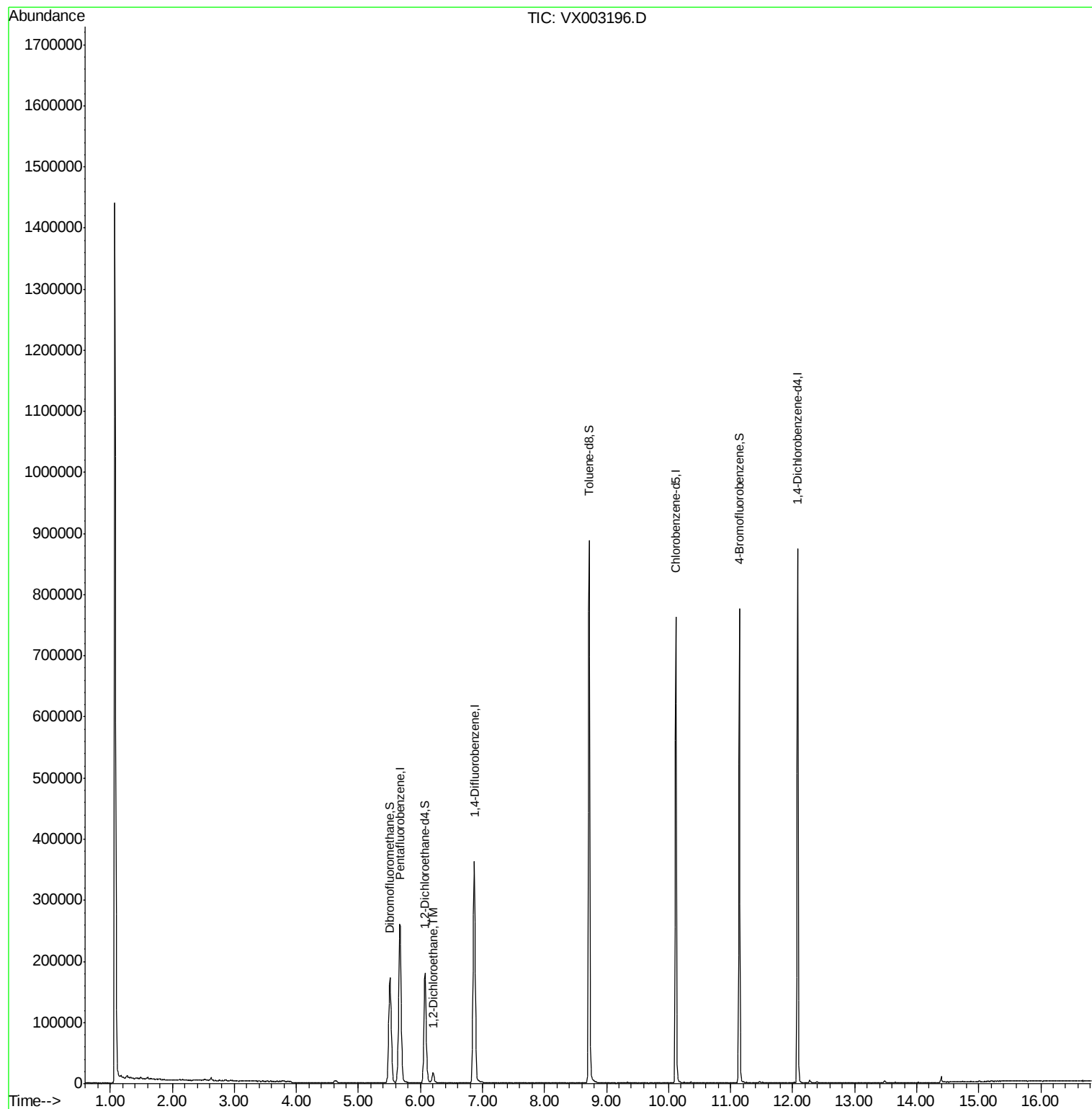
| Target Compounds       | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------|------|------|----------|------|-------|--------|
| 42) 1,2-Dichloroethane | 6.20 | 62   | 17472    | 3.62 | ug/l  | 94     |

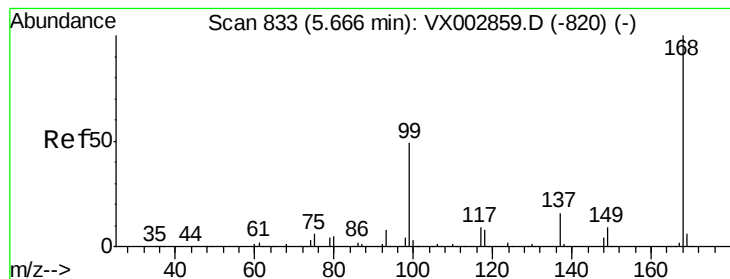
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 834

Delta R.T. 0.01 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA\_X

ClientSampleId :

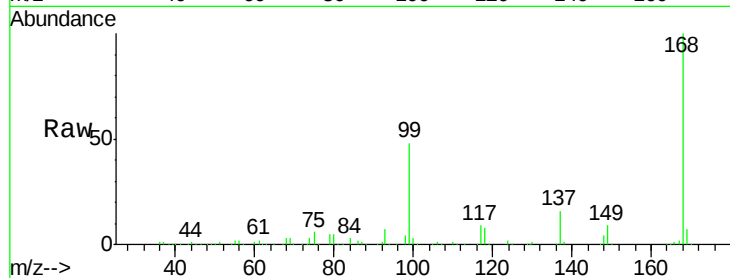
WP022MW001-180702

Tot Ion:168 Resp: 270459

Ion Ratio Lower Upper

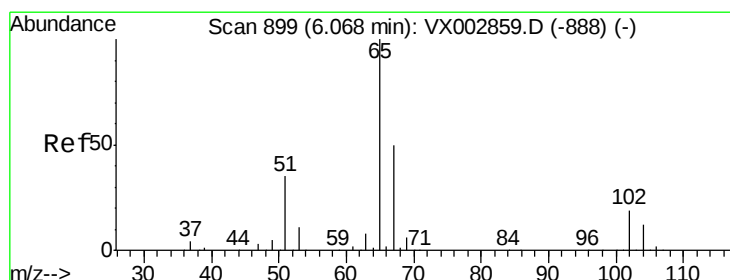
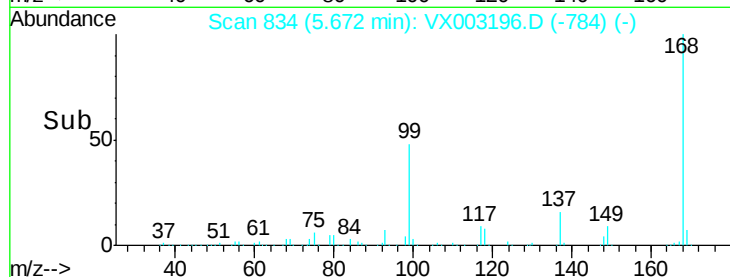
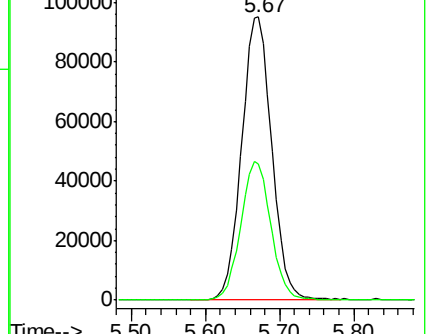
168 100

99 48.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.65 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003196.D

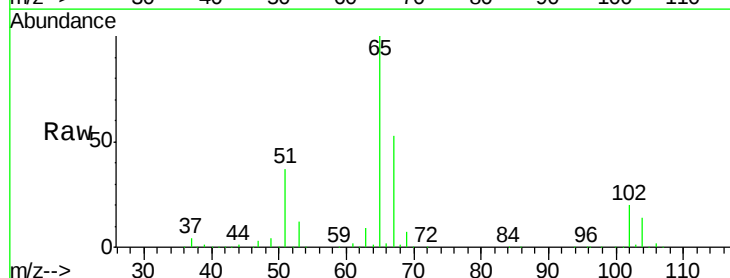
Acq: 06 Jul 2018 02:47

Tgt Ion: 65 Resp: 170641

Ion Ratio Lower Upper

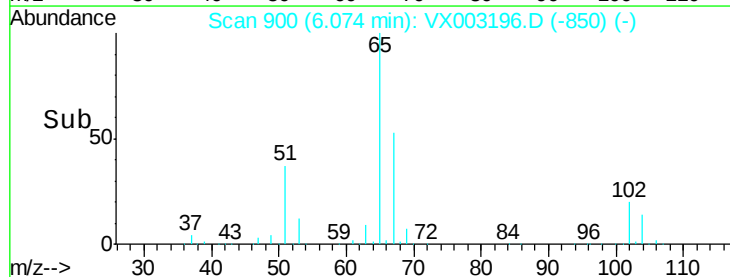
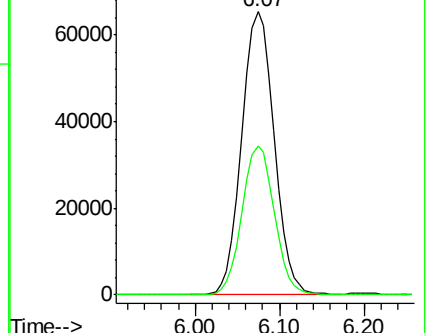
65 100

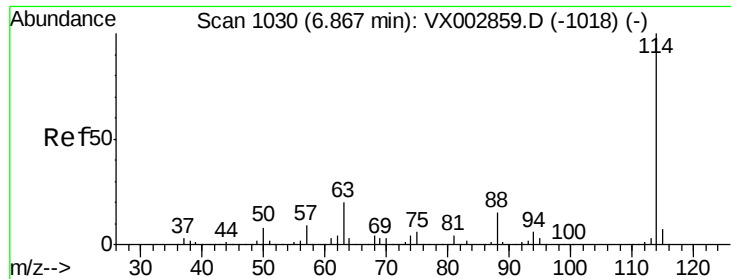
67 52.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

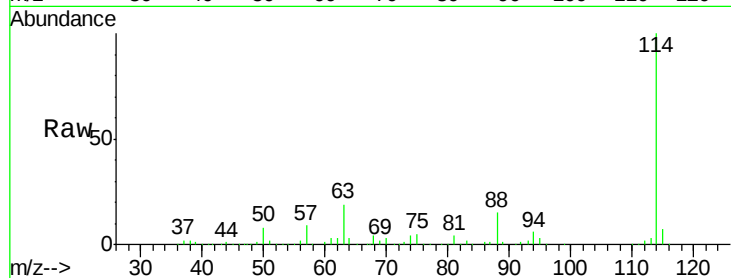




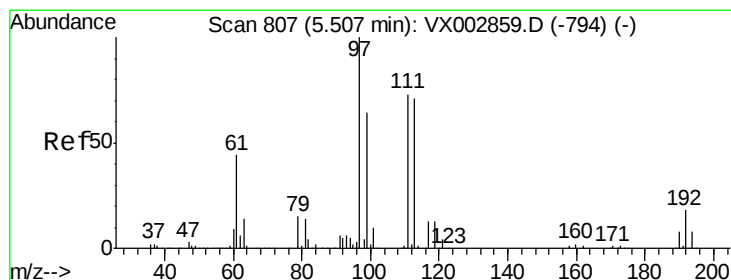
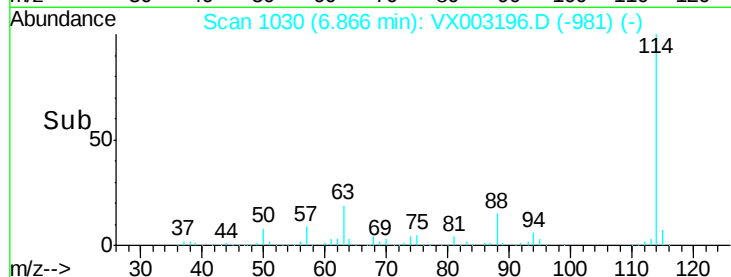
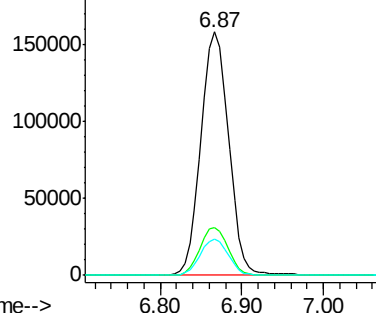
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.87 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VX003196.D  
Acq: 06 Jul 2018 02:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
WP022MW001-180702

Tot Ion:114 Resp: 374768  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 41.4  
88 14.7 0.0 30.0

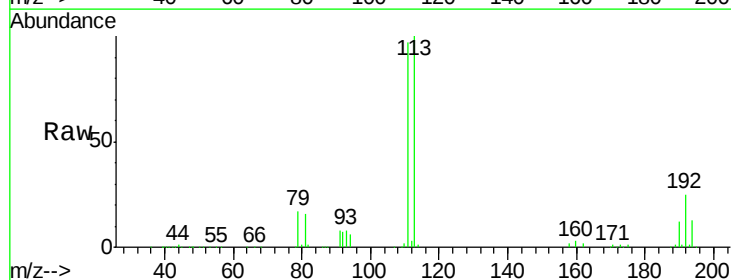


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX  
Ion 87.90 (87.60 to 88.60): VX

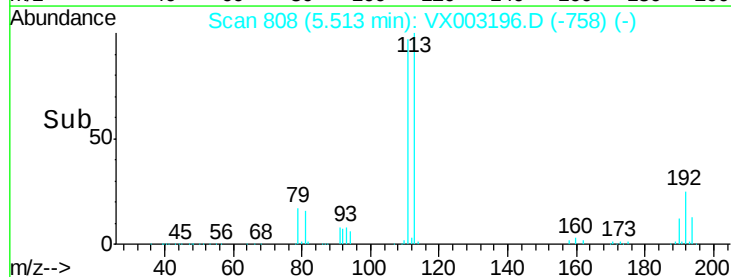
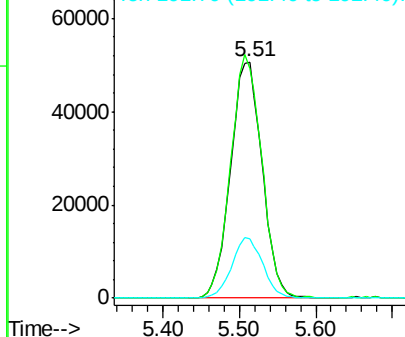


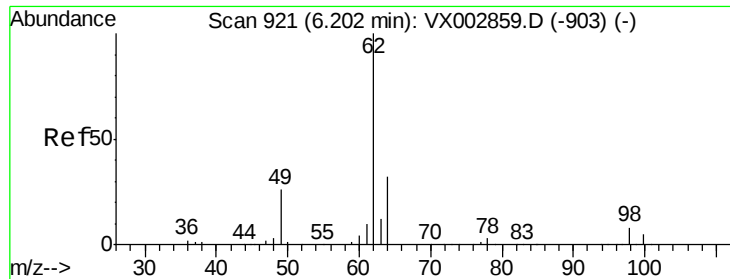
#35  
Dibromofluoromethane  
Concen: 48.86 ug/l  
RT: 5.51 min Scan# 808  
Delta R.T. 0.01 min  
Lab File: VX003196.D  
Acq: 06 Jul 2018 02:47

Tgt Ion:113 Resp: 145022  
Ion Ratio Lower Upper  
113 100  
111 101.3 81.4 122.0  
192 25.0 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





#42

1,2-Dichloroethane

Concen: 3.62 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA\_X

ClientSampleId :

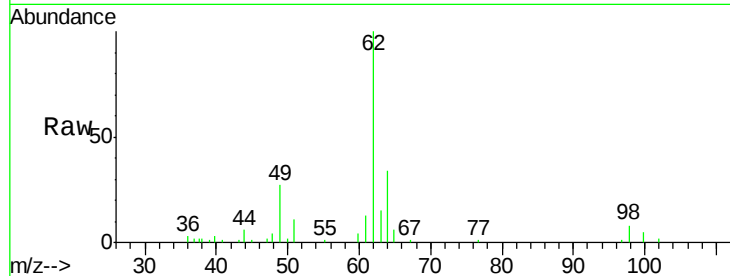
WP022MW001-180702

Tot Ion: 62 Resp: 17472

Ion Ratio Lower Upper

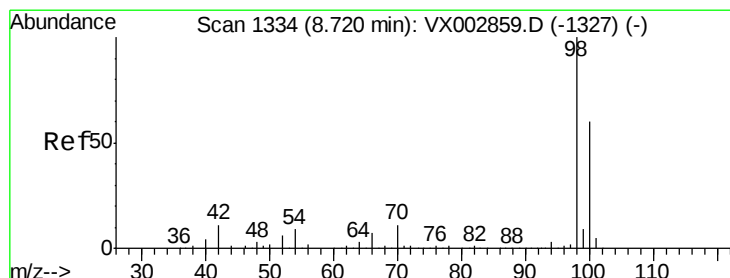
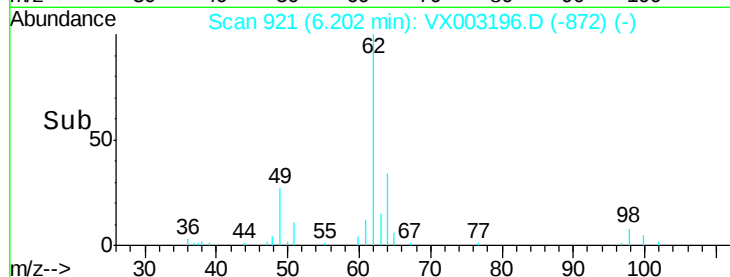
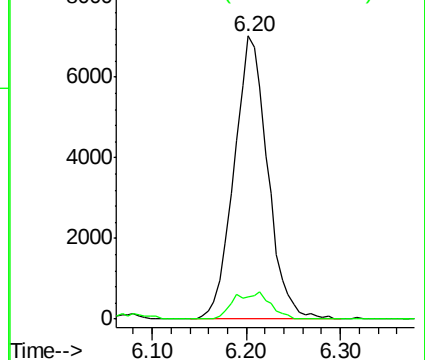
62 100

98 10.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#50

Toluene-d8

Concen: 47.93 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003196.D

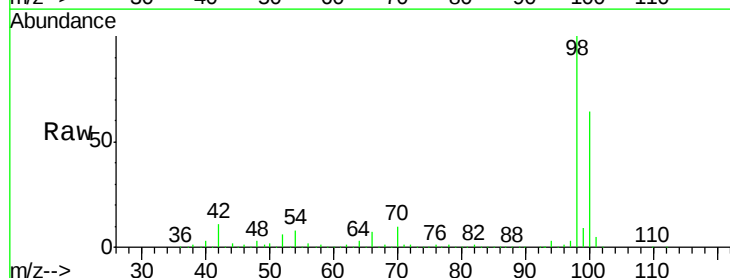
Acq: 06 Jul 2018 02:47

Tgt Ion: 98 Resp: 519485

Ion Ratio Lower Upper

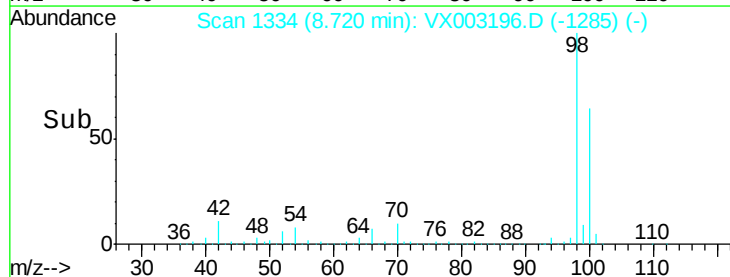
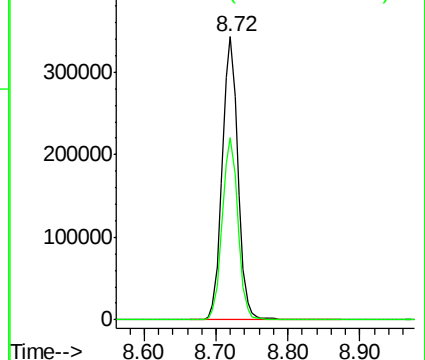
98 100

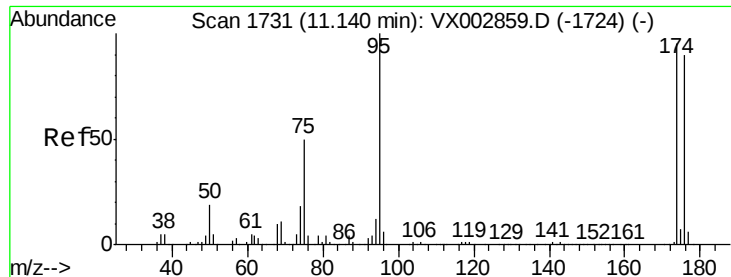
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA\_X

ClientSampleId :

WP022MW001-180702

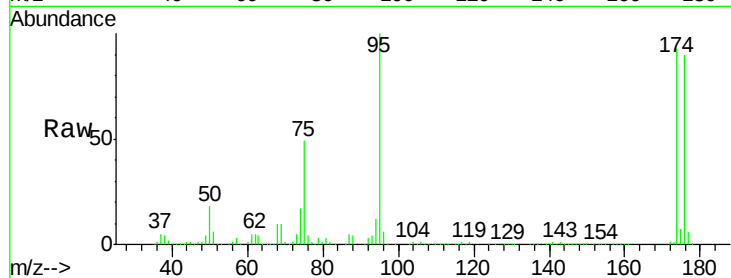
Tot Ion: 95 Resp: 180859

Ion Ratio Lower Upper

95 100

174 98.5 0.0 187.4

176 95.2 0.0 181.0

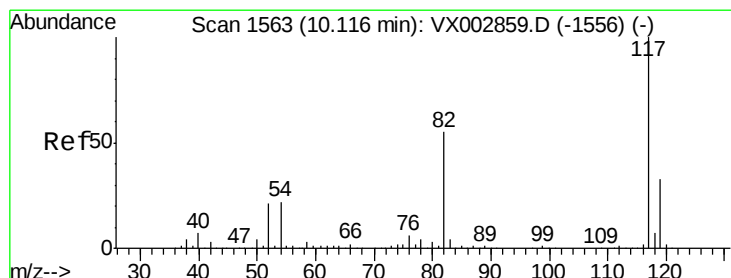
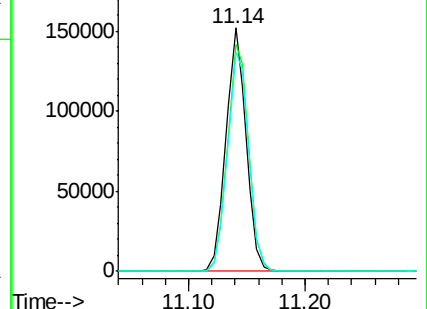
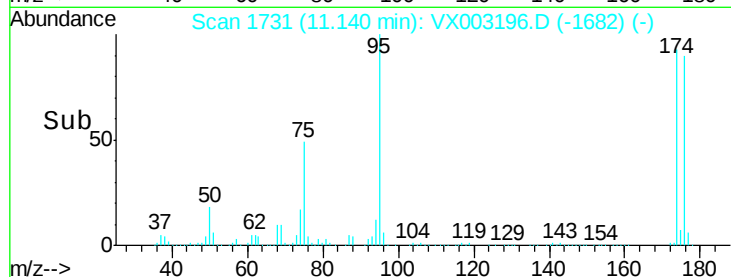


Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003196.D

Acq: 06 Jul 2018 02:47

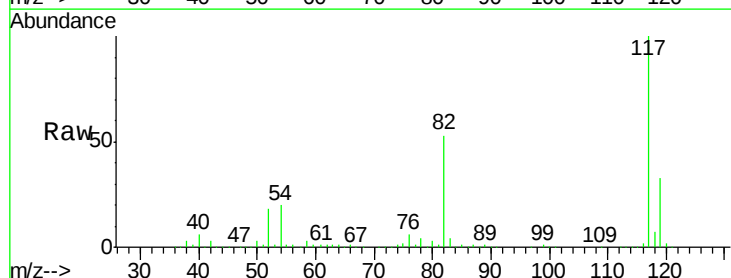
Tgt Ion: 117 Resp: 344738

Ion Ratio Lower Upper

117 100

82 53.0 45.0 67.4

119 32.6 25.8 38.6

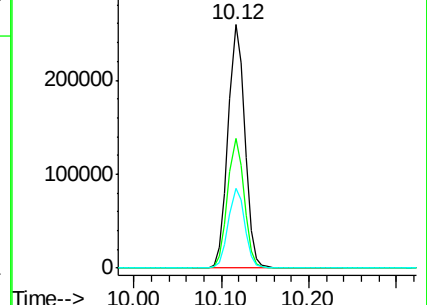
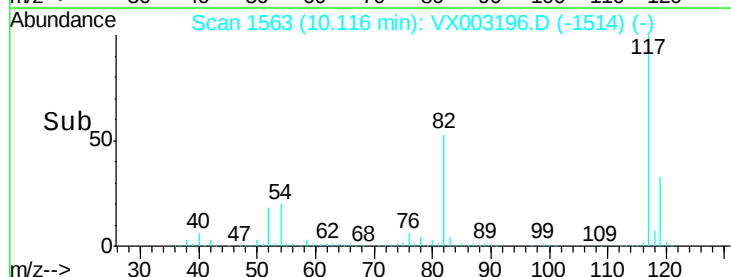


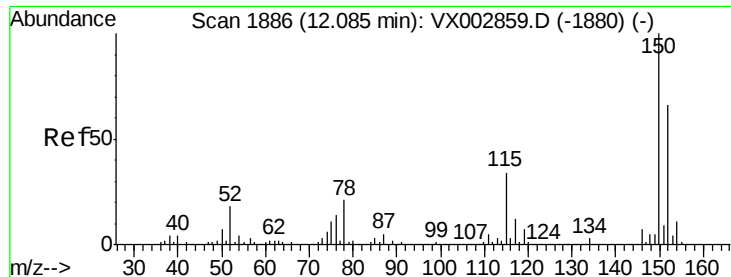
Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

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: VX003196.D

Acq: 06 Jul 2018 02:47

Instrument :

MSVOA\_X

ClientSampleId :

WP022MW001-180702

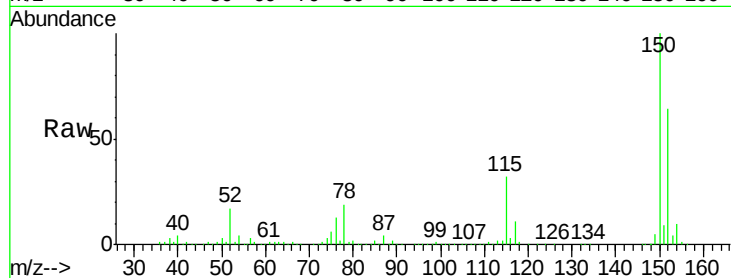
Tot Ion:152 Resp: 192241

Ion Ratio Lower Upper

152 100

115 53.9 40.1 120.2

150 157.2 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

