

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\  
 Data File : VX003034.D  
 Acq On : 29 Jun 2018 17:38  
 Operator : JC/MD  
 Sample : J3695-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-5

Quant Time: Jun 30 09:12:16 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

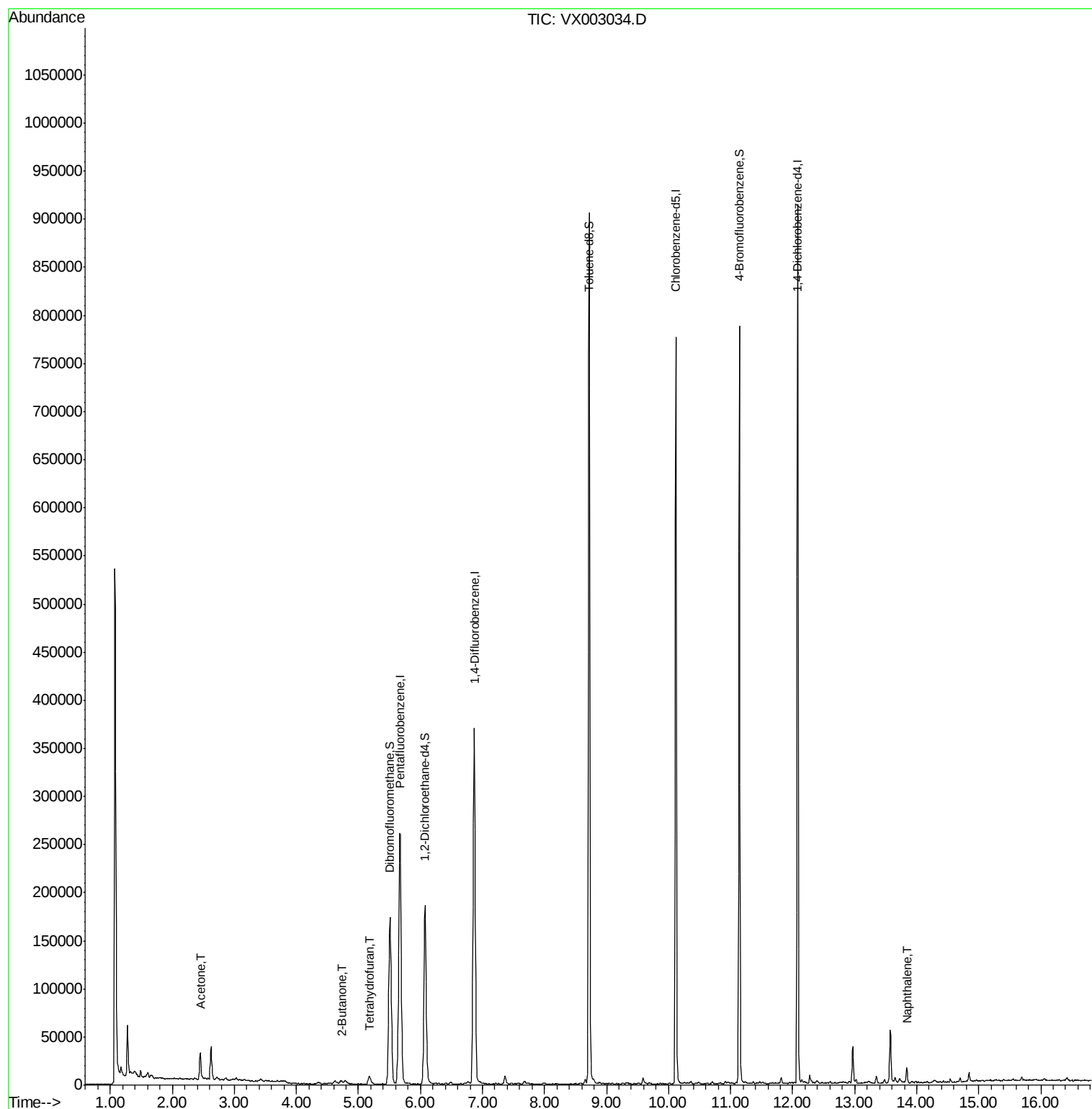
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 266514   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 369817   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 348482   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 196571   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 177566   | 48.20 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.40% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 143076   | 48.85 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.70% |          |
| 50) Toluene-d8              | 8.72  | 98   | 519740   | 48.60 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.20% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 185332   | 44.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.88% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 31997    | 20.97 | ug/l   | 98       |
| 25) 2-Butanone              | 4.72  | 43   | 6150     | 2.72  | ug/l   | 96       |
| 29) Tetrahydrofuran         | 5.18  | 42   | 7792     | 5.37  | ug/l   | 98       |
| 95) Naphthalene             | 13.84 | 128  | 9253     | 0.69  | ug/l   | 97       |

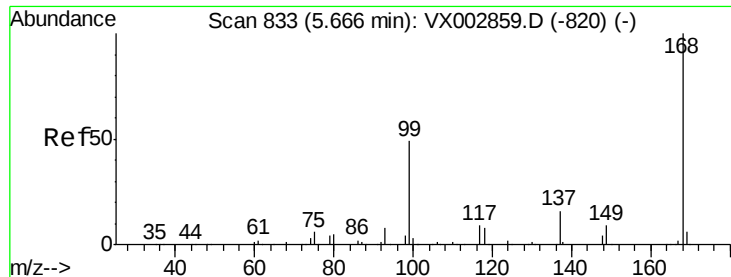
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062918\  
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MW-5

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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# 834

Delta R.T. 0.01 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampled :

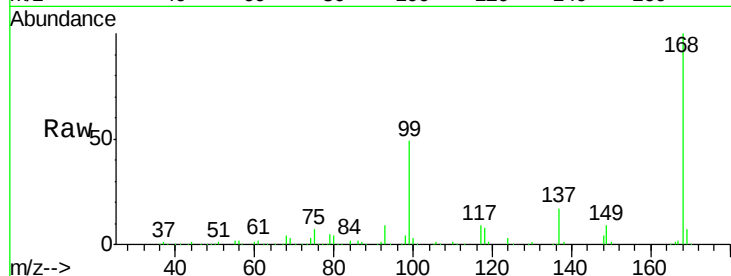
MW-5

Tot Ion:168 Resp: 266514

Ion Ratio Lower Upper

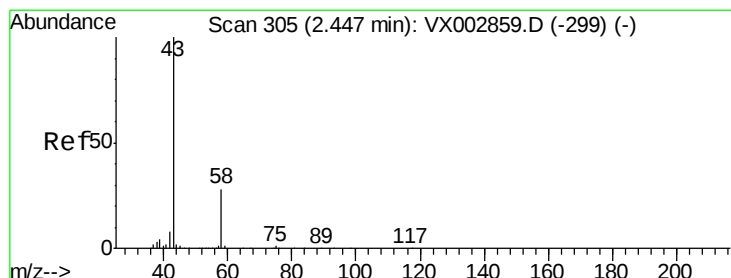
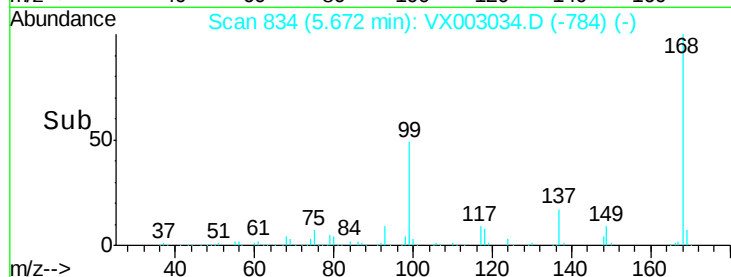
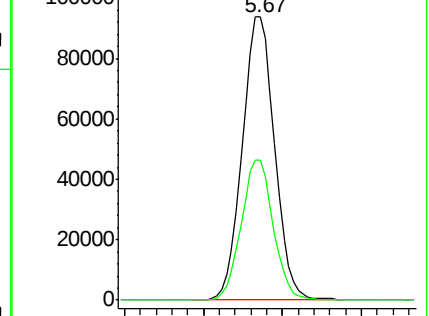
168 100

99 49.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 20.97 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003034.D

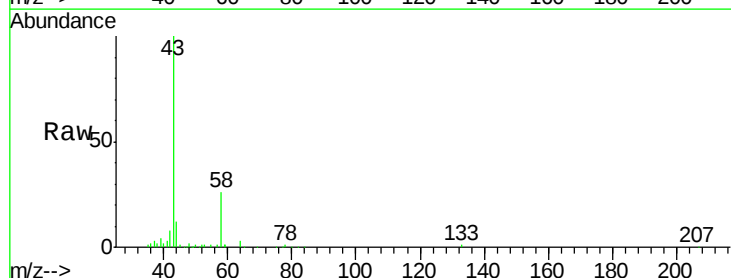
Acq: 29 Jun 2018 17:38

Tgt Ion: 43 Resp: 31997

Ion Ratio Lower Upper

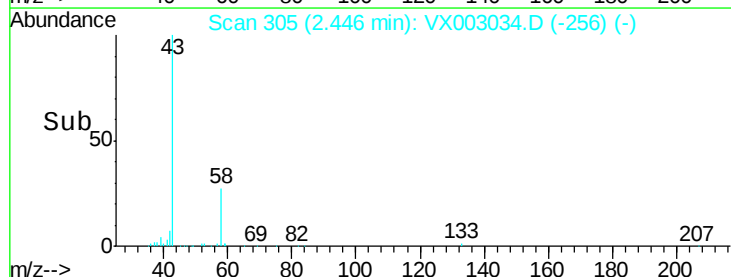
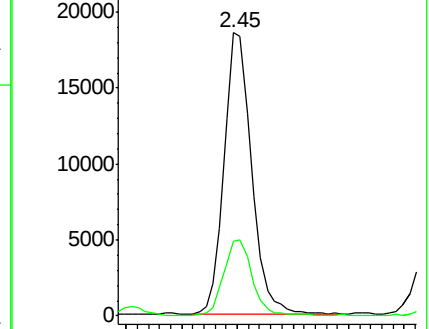
43 100

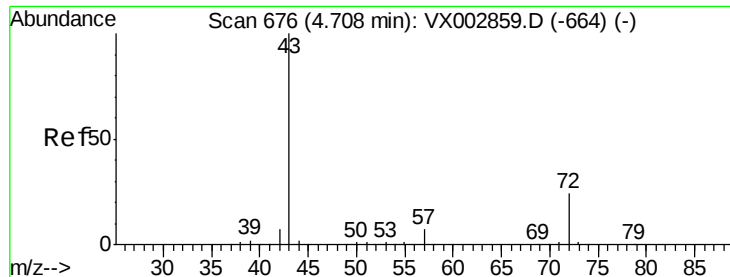
58 26.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 2.72 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampled :

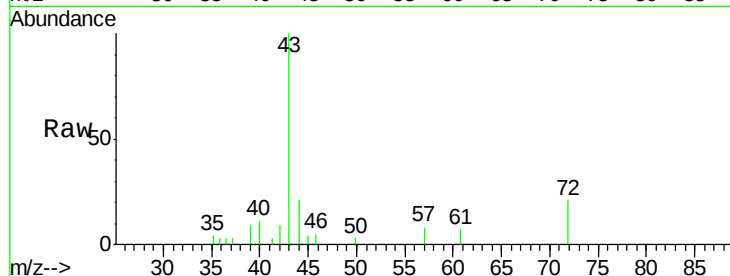
MW-5

Tot Ion: 43 Resp: 6150

Ion Ratio Lower Upper

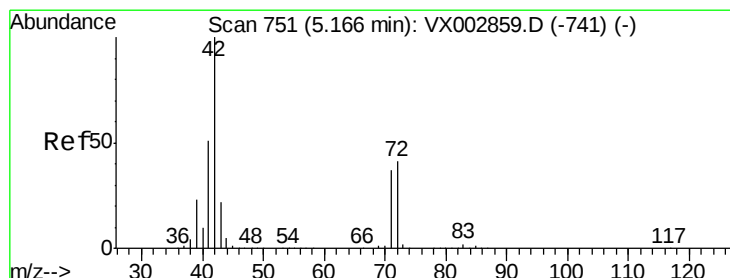
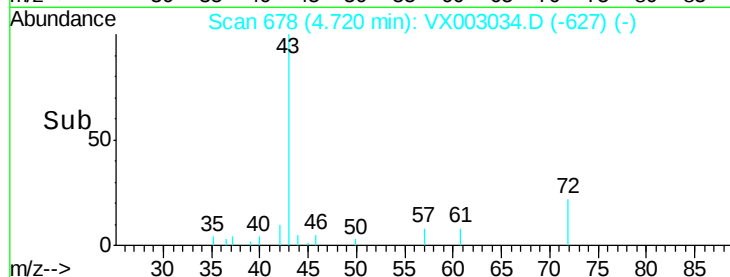
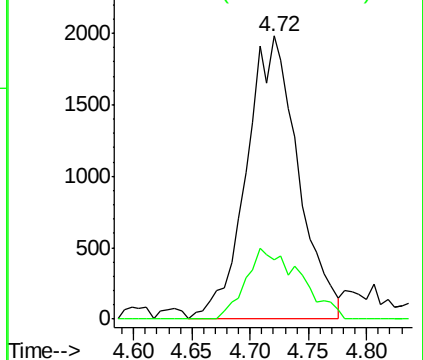
43 100

72 21.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 5.37 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

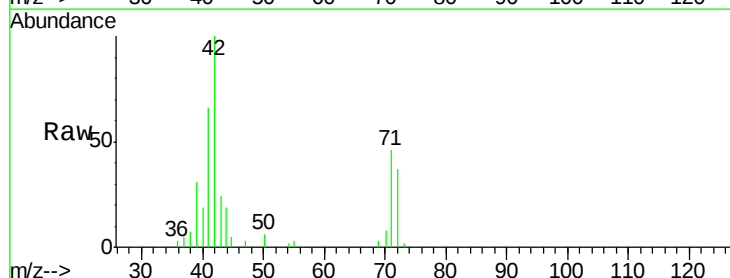
Tgt Ion: 42 Resp: 7792

Ion Ratio Lower Upper

42 100

72 37.9 32.0 48.0

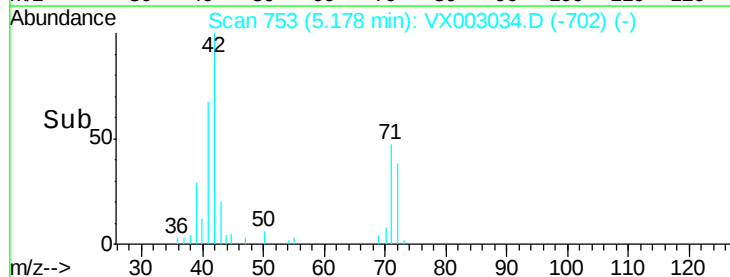
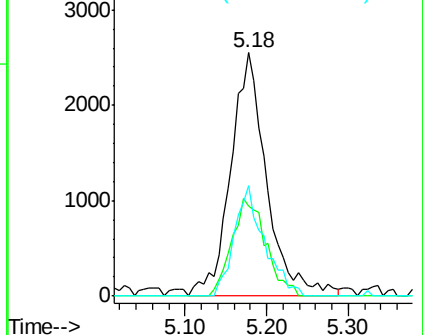
71 37.7 30.1 45.1

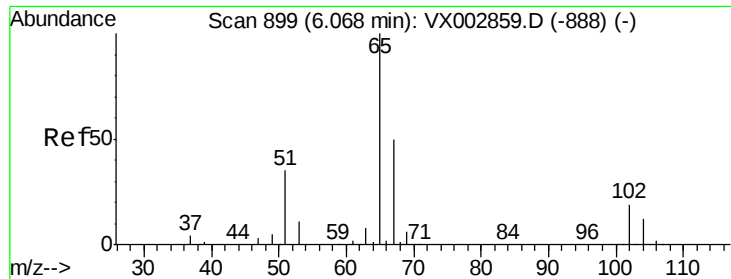


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.20 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

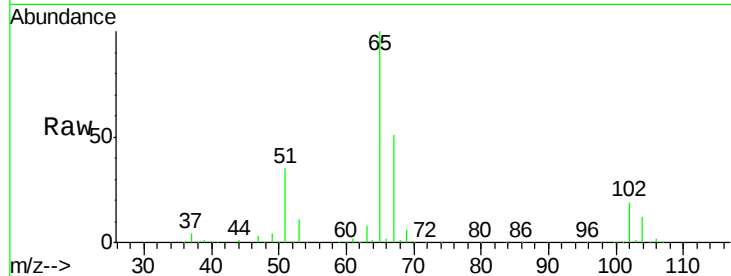
MW-5

Tot Ion: 65 Resp: 177566

Ion Ratio Lower Upper

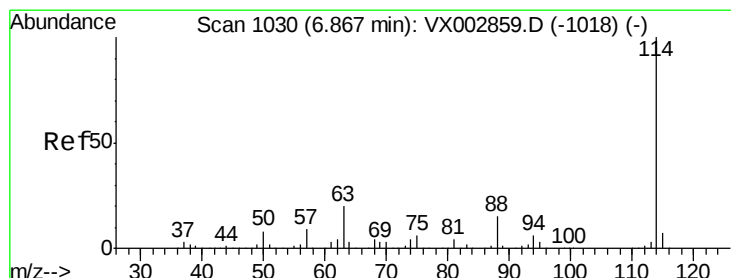
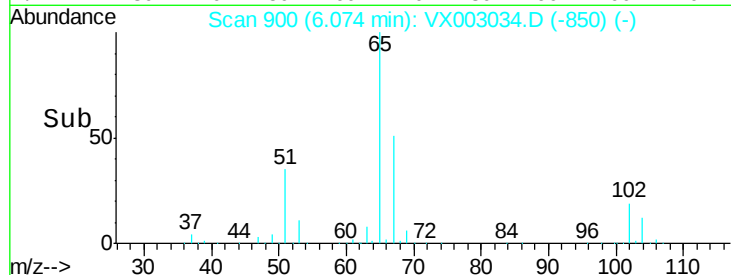
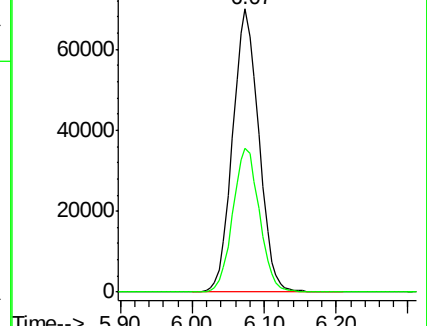
65 100

67 51.5 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: VX003034.D

Acq: 29 Jun 2018 17:38

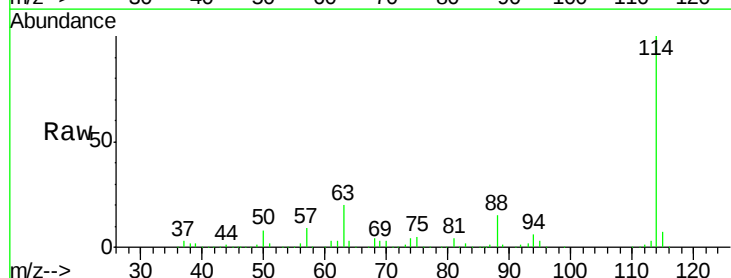
Tgt Ion: 114 Resp: 369817

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

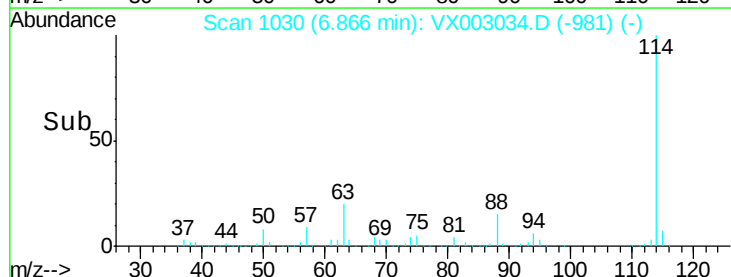
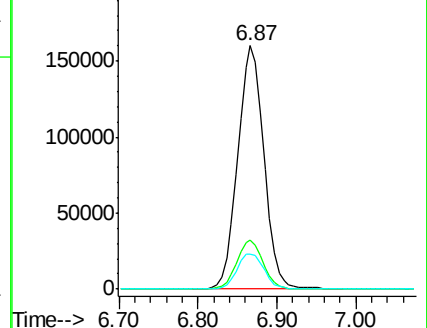
88 14.6 0.0 30.0

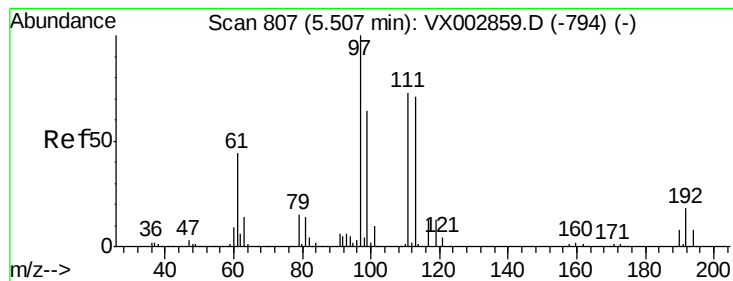


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.85 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

MW-5

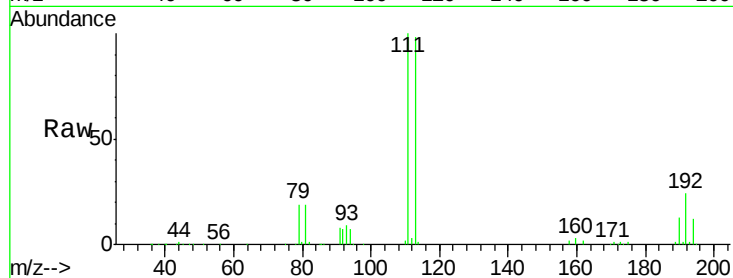
Tot Ion:113 Resp: 143076

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

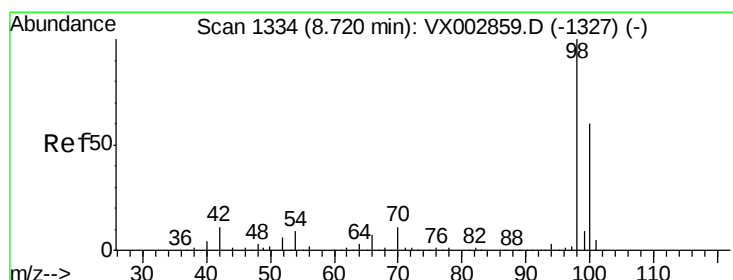
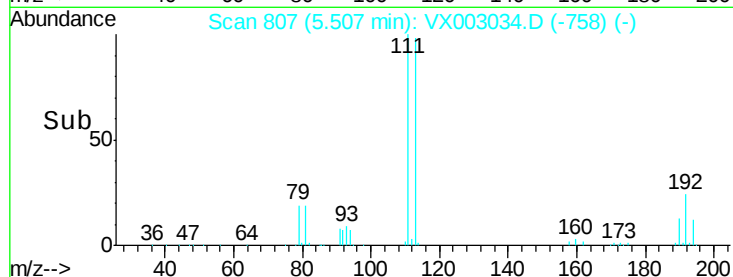
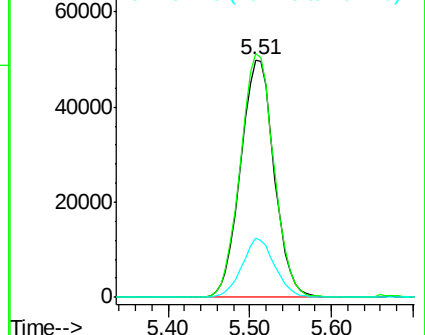
192 24.2 19.1 28.7



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



#50

Toluene-d8

Concen: 48.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003034.D

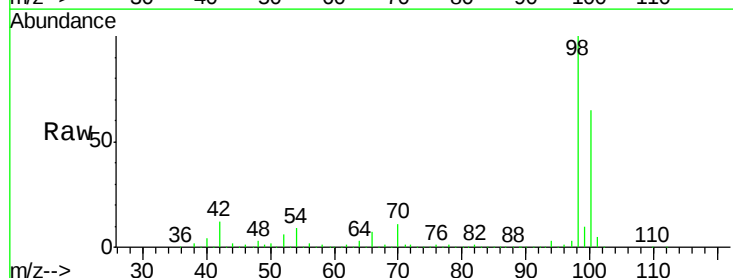
Acq: 29 Jun 2018 17:38

Tgt Ion: 98 Resp: 519740

Ion Ratio Lower Upper

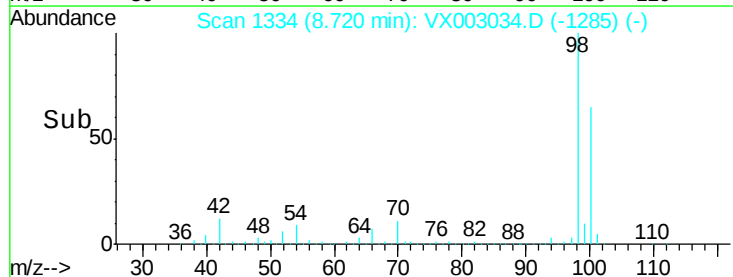
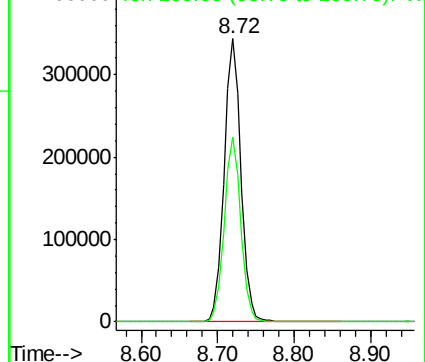
98 100

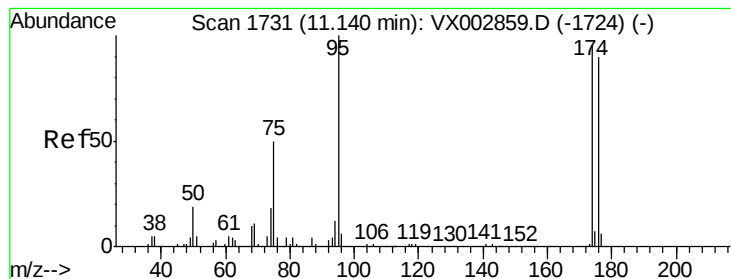
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

MW-5

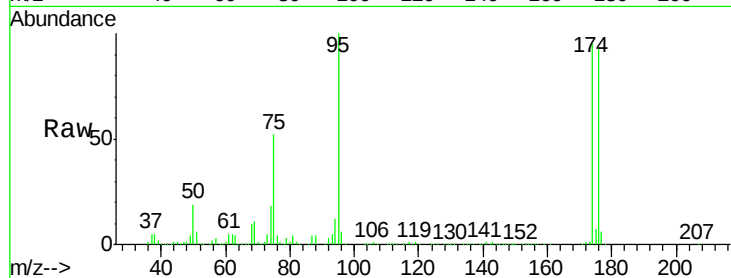
Tot Ion: 95 Resp: 185332

Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

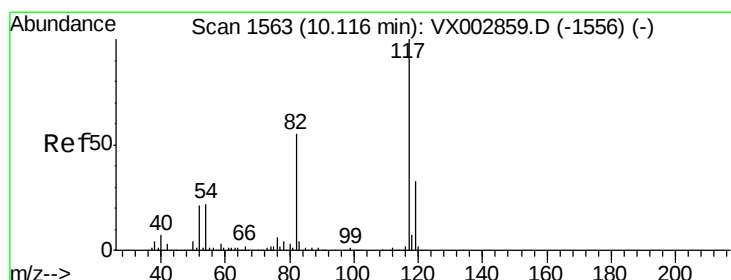
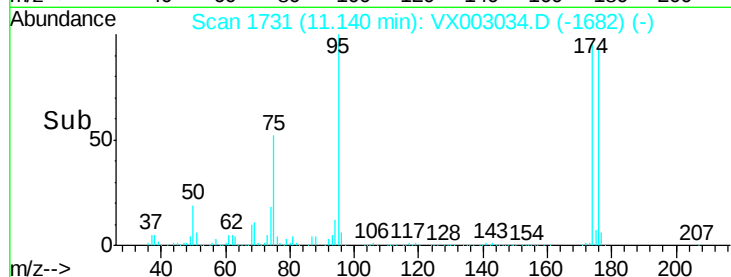
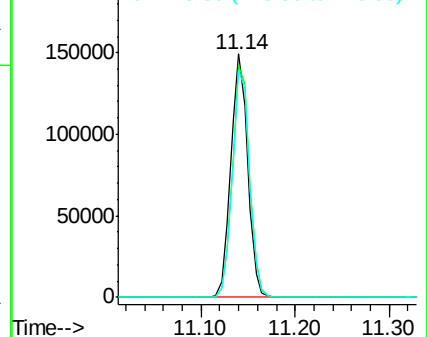
176 94.8 0.0 181.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

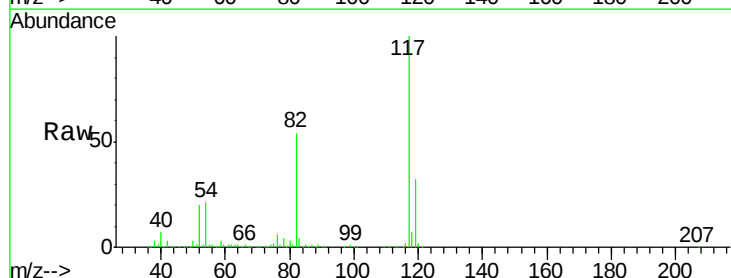
Tgt Ion: 117 Resp: 348482

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.4

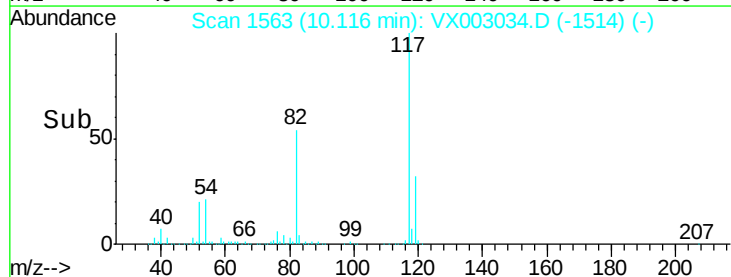
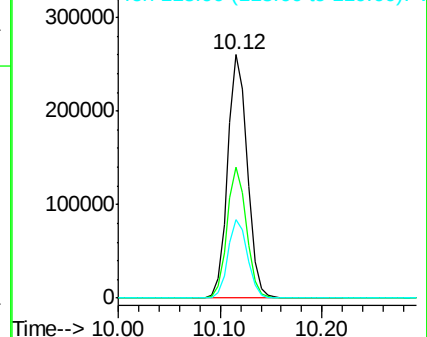
119 32.3 25.8 38.6

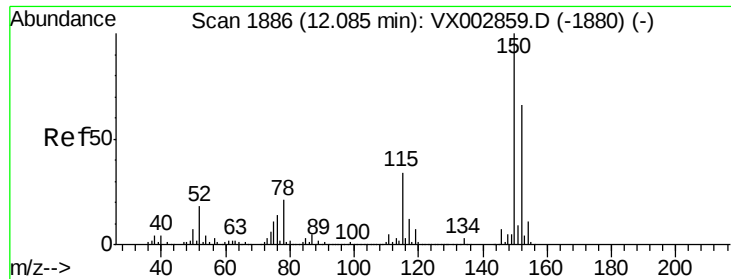


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

Instrument :

MSVOA\_X

ClientSampleId :

MW-5

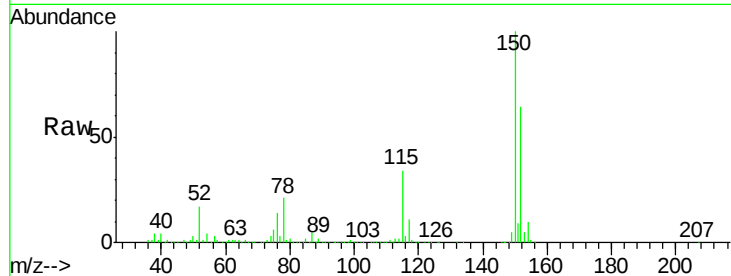
Tot Ion:152 Resp: 196571

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

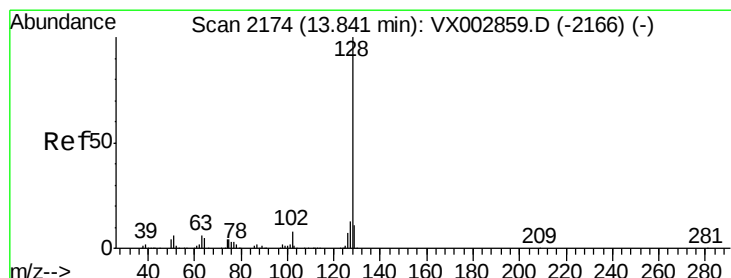
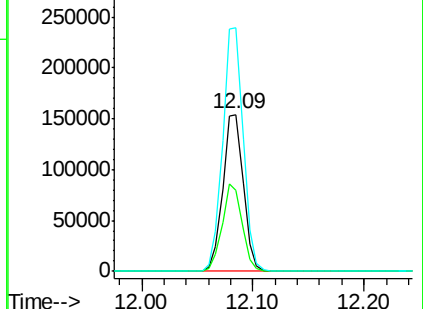
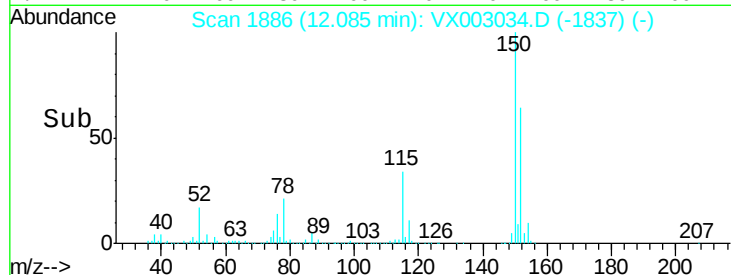
150 155.7 0.0 347.2



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



#95

Naphthalene

Concen: 0.69 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003034.D

Acq: 29 Jun 2018 17:38

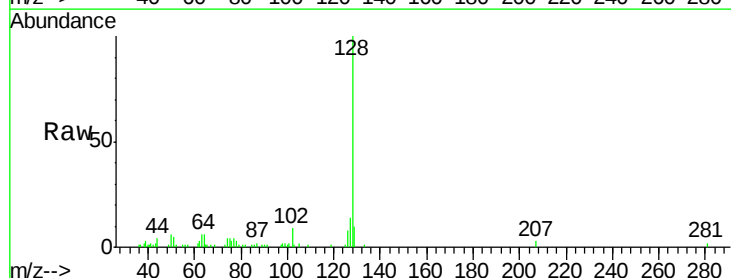
Tgt Ion:128 Resp: 9253

Ion Ratio Lower Upper

128 100

127 14.5 10.4 15.6

129 11.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

