

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\  
 Data File : VX006646.D  
 Acq On : 19 Dec 2018 19:24  
 Operator : JC/MD  
 Sample : J6479-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-4

Quant Time: Dec 20 04:36:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

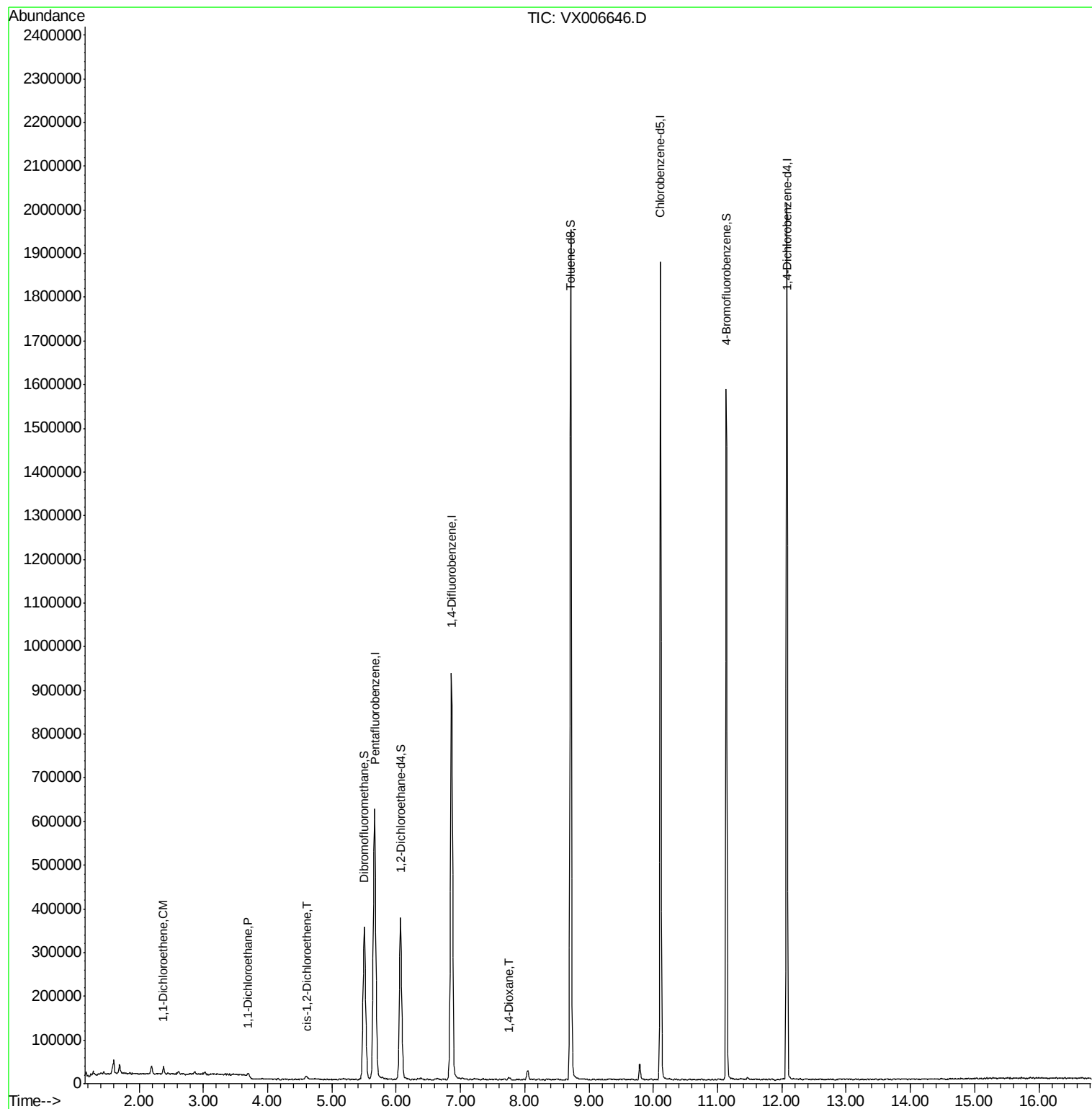
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 618948   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 991167   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 914295   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 424266   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 348121   | 52.19 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.38% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 298023   | 47.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.10%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1178040  | 49.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.70%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 424851   | 49.09 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.18%  |          |
| Target Compounds            |       |      |          |       |         |          |
|                             |       |      |          |       | Qvalue  |          |
| 12) 1,1-Dichloroethene      | 2.39  | 96   | 6594     | 1.192 | ug/l    | 93       |
| 24) 1,1-Dichloroethane      | 3.70  | 63   | 10792    | 1.062 | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 4720     | 0.698 | ug/l    | 85       |
| 49) 1,4-Dioxane             | 7.76  | 88   | 4485     | 6.172 | ug/l #  | 89       |

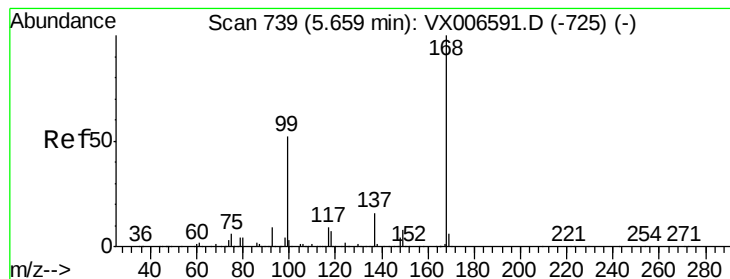
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\  
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Sample : J6479-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

Quant Time: Dec 20 04:36:04 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 19 15:20:58 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

Instrument :

MSVOA\_X

ClientSampled :

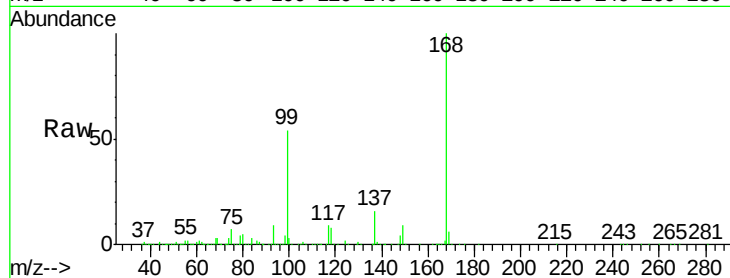
MW-4

Tot Ion:168 Resp: 618948

Ion Ratio Lower Upper

168 100

99 53.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

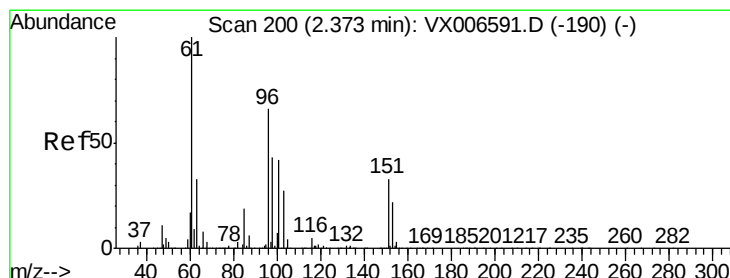
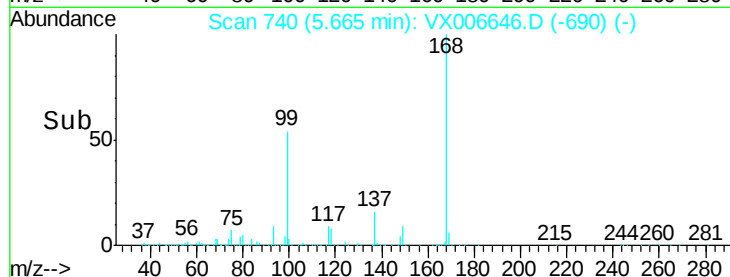
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#12

1,1-Dichloroethene

Concen: 1.192 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

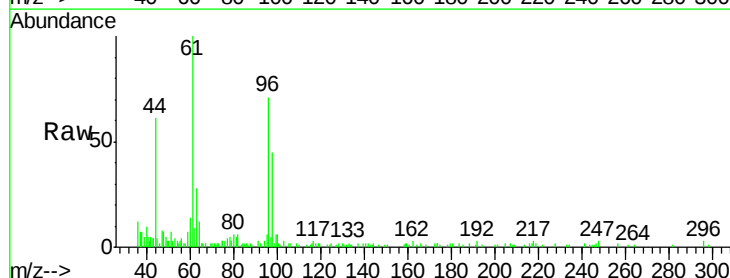
Tgt Ion: 96 Resp: 6594

Ion Ratio Lower Upper

96 100

61 142.4 121.4 182.2

98 61.3 51.9 77.9



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

8000

6000

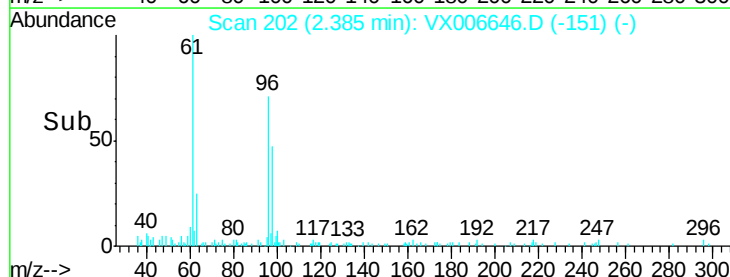
4000

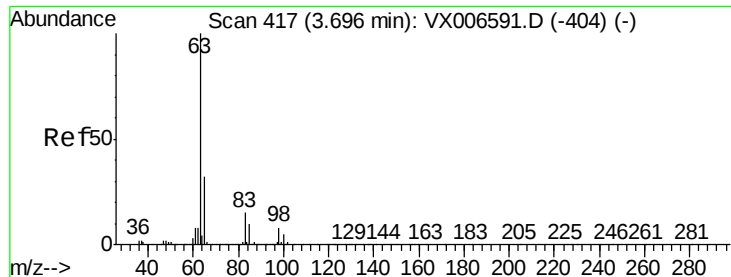
2000

0

Time-->

2.35 2.40 2.45





#24

1,1-Dichloroethane

Concen: 1.062 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

Instrument :

MSVOA\_X

ClientSampleId :

MW-4

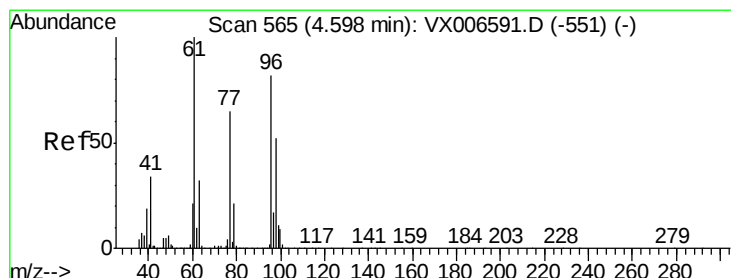
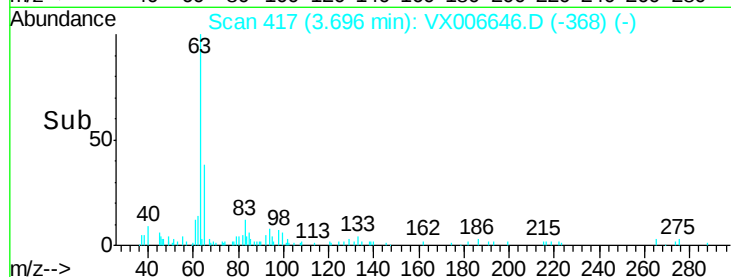
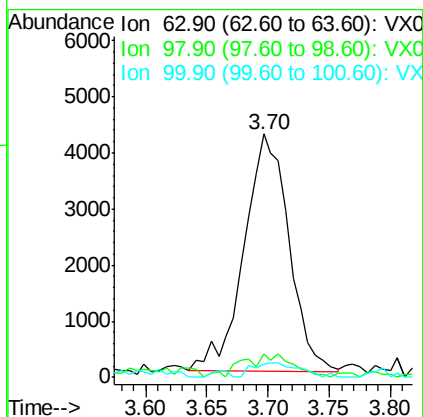
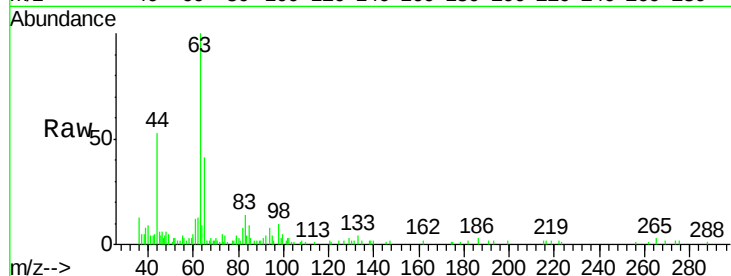
Tot Ion: 63 Resp: 10792

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 5.5 2.4 7.2



#27

cis-1,2-Dichloroethene

Concen: 0.698 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

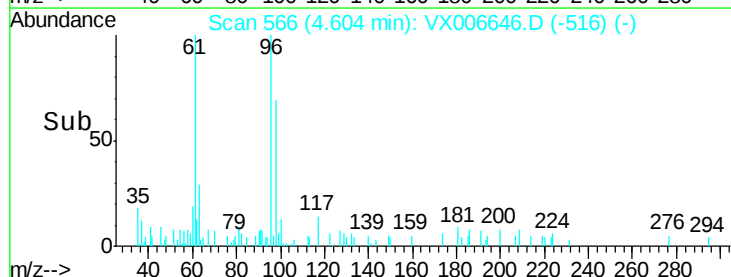
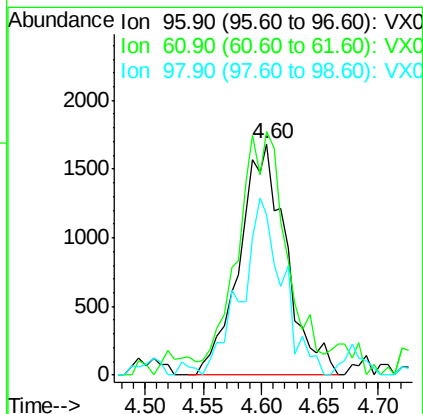
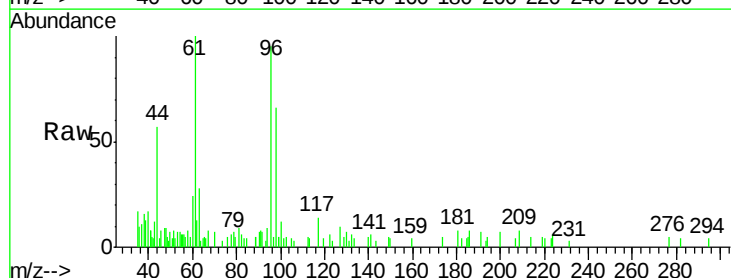
Tgt Ion: 96 Resp: 4720

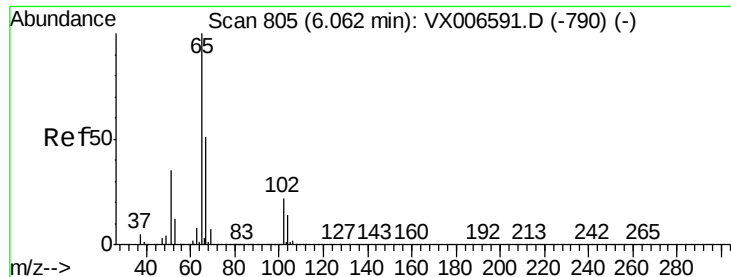
Ion Ratio Lower Upper

96 100

61 104.6 0.0 258.6

98 67.2 0.0 132.0





#33

1,2-Dichloroethane-d4

Concen: 52.186 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

Instrument :

MSVOA\_X

ClientSampleId :

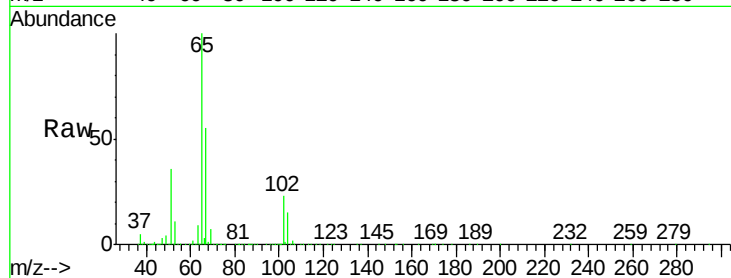
MW-4

Tot Ion: 65 Resp: 348121

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

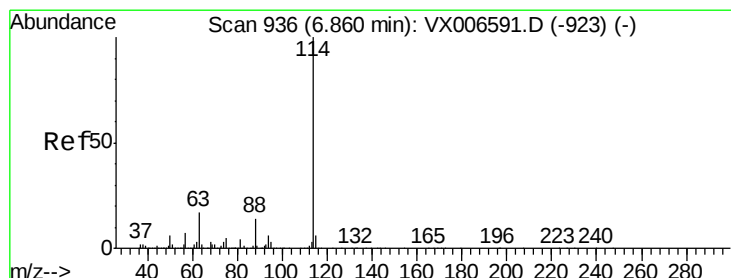
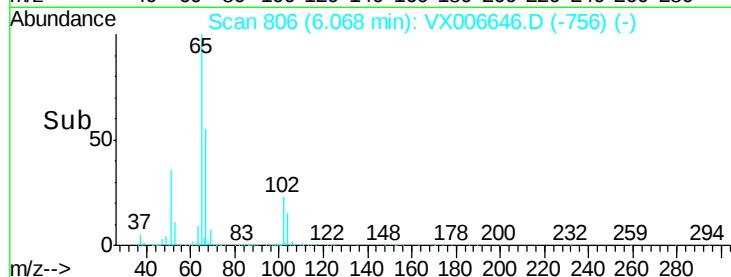
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

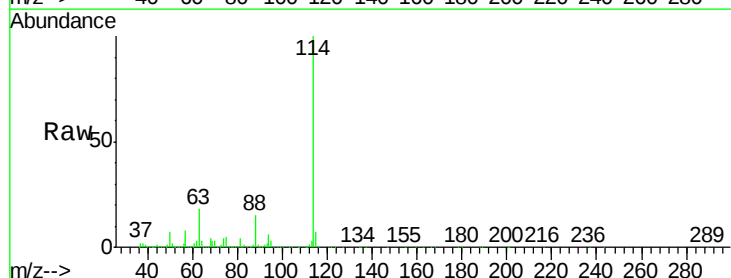
Tgt Ion: 114 Resp: 991167

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 14.8 0.0 28.8



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

6.86

500000

400000

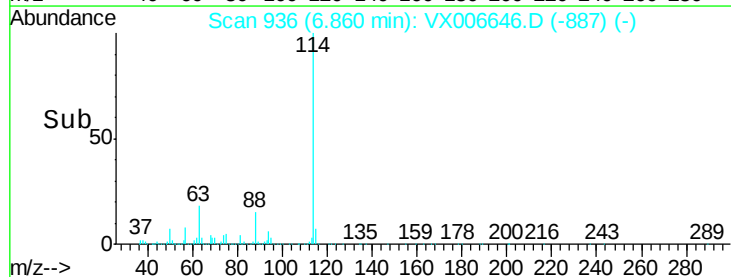
300000

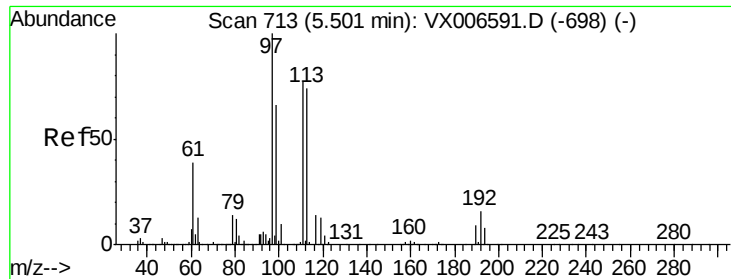
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.547 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

Instrument :

MSVOA\_X

ClientSampleId :

MW-4

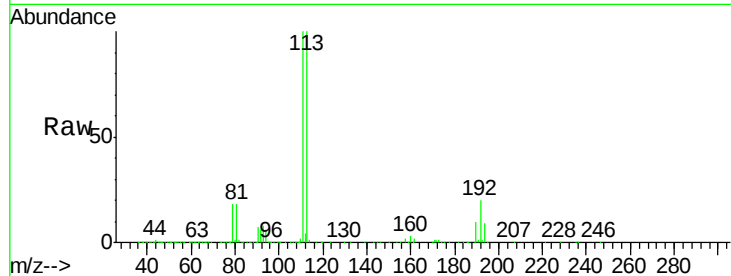
Tot Ion:113 Resp: 298023

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

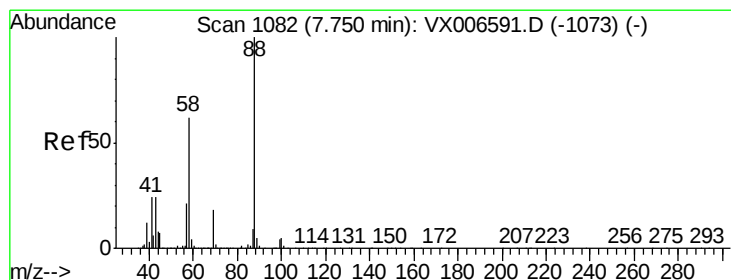
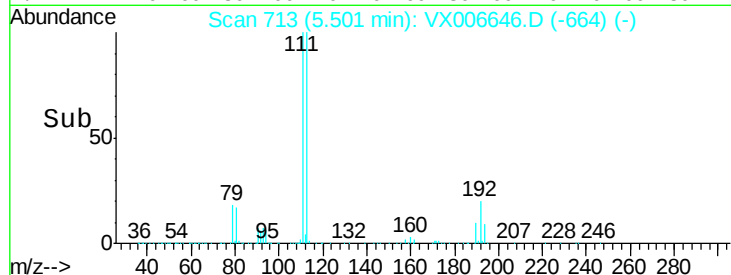
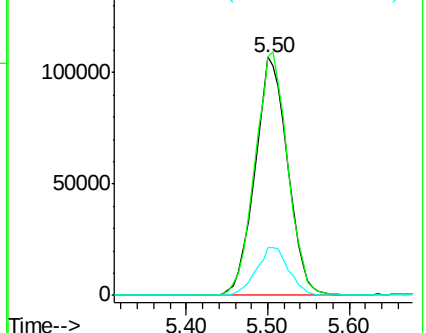
192 20.1 16.7 25.1



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



#49

1,4-Dioxane

Concen: 6.172 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

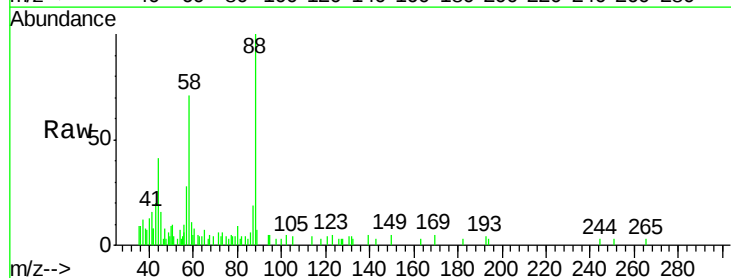
Tgt Ion: 88 Resp: 4485

Ion Ratio Lower Upper

88 100

43 34.0 22.2 33.4#

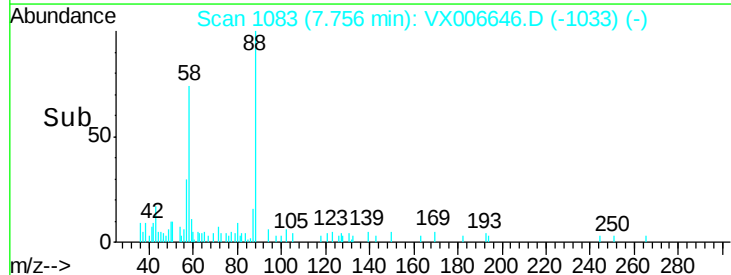
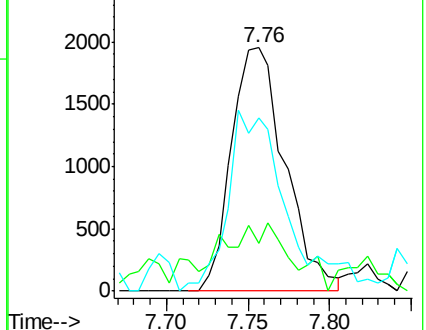
58 72.3 51.0 76.4

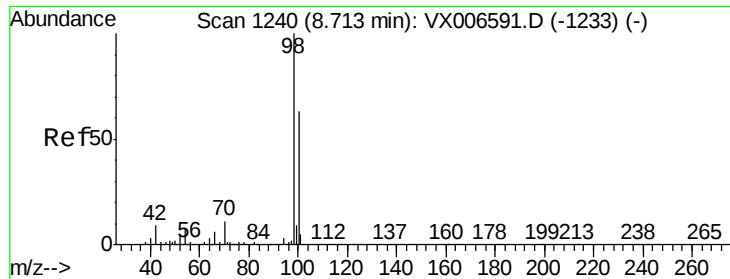


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.853 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

Instrument :

MSVOA\_X

ClientSampleId :

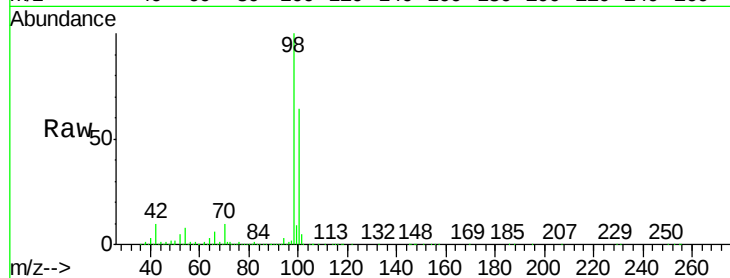
MW-4

Tot Ion: 98 Resp: 1178040

Ion Ratio Lower Upper

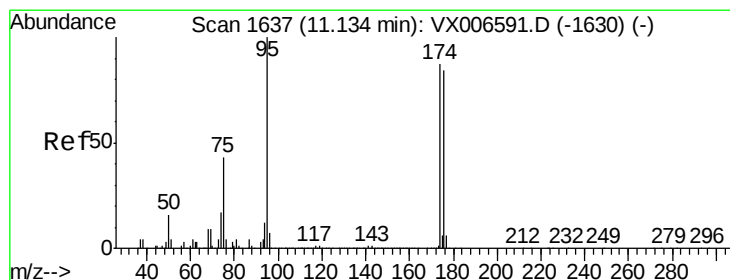
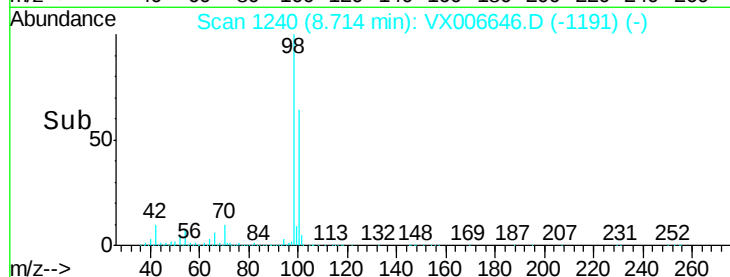
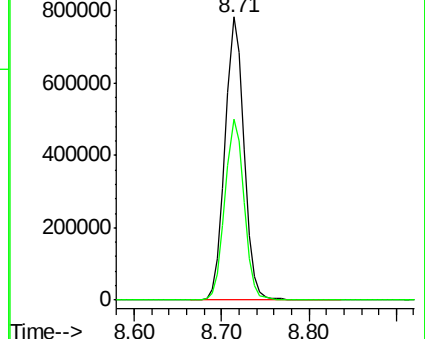
98 100

100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 49.091 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006646.D

Acq: 19 Dec 2018 19:24

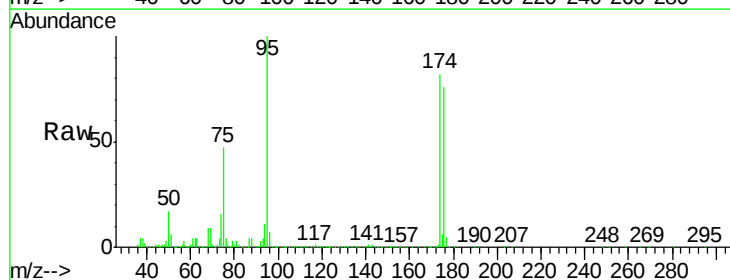
Tgt Ion: 95 Resp: 424851

Ion Ratio Lower Upper

95 100

174 85.5 0.0 182.2

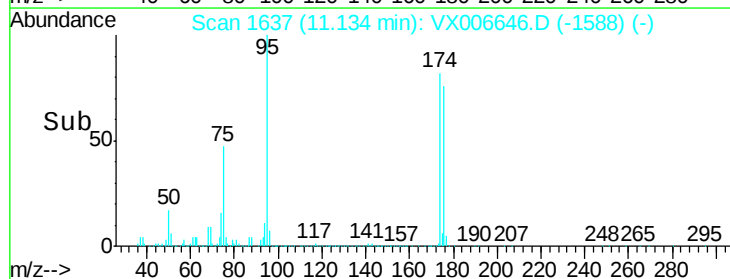
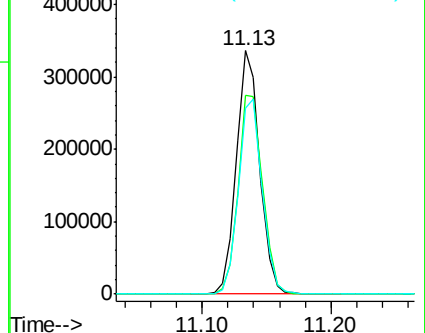
176 81.7 0.0 178.8

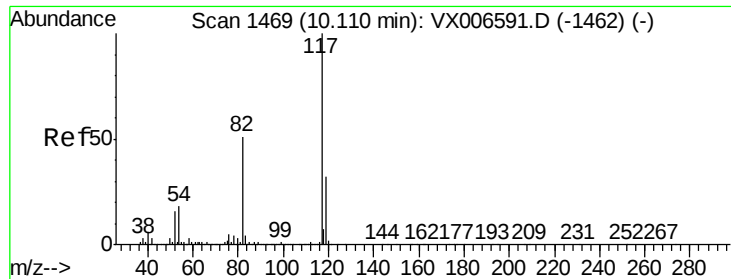


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

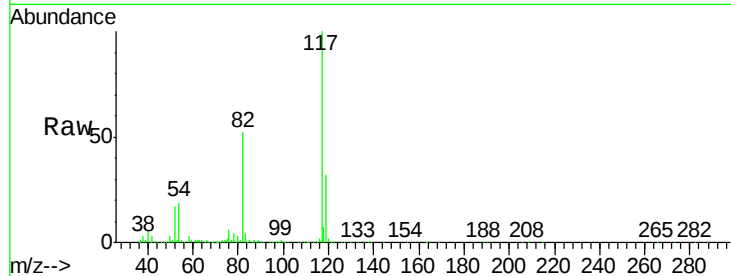




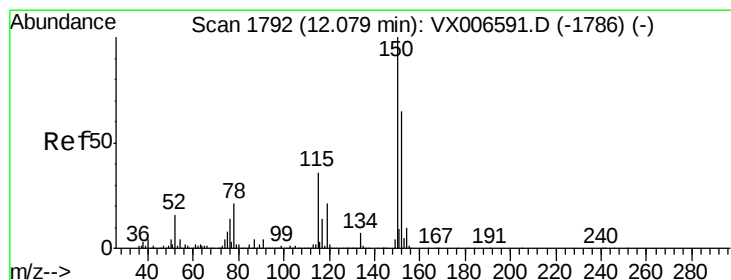
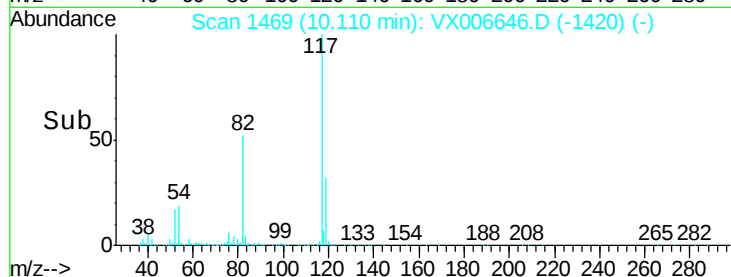
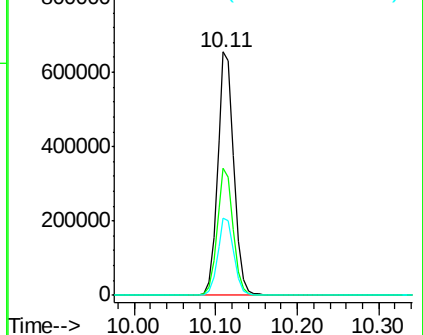
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX006646.D  
Acq: 19 Dec 2018 19:24

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-4

Tot Ion:117 Resp: 914295  
Ion Ratio Lower Upper  
117 100  
82 52.4 41.0 61.6  
119 31.7 25.4 38.0

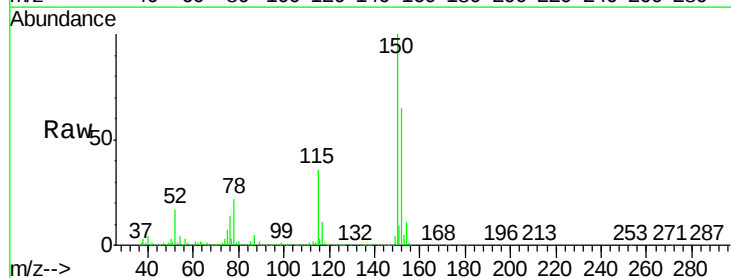


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006646.D  
Acq: 19 Dec 2018 19:24

Tgt Ion:152 Resp: 424266  
Ion Ratio Lower Upper  
152 100  
115 56.9 39.1 117.2  
150 157.2 0.0 344.8



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

