

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\  
 Data File : VN050625.D  
 Acq On : 15 Aug 2018 1:28  
 Operator : MD\SY  
 Sample : J4465-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 943-MW-04(23)

Quant Time: Aug 15 14:23:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 08:07:08 2018  
 Response via : Initial Calibration

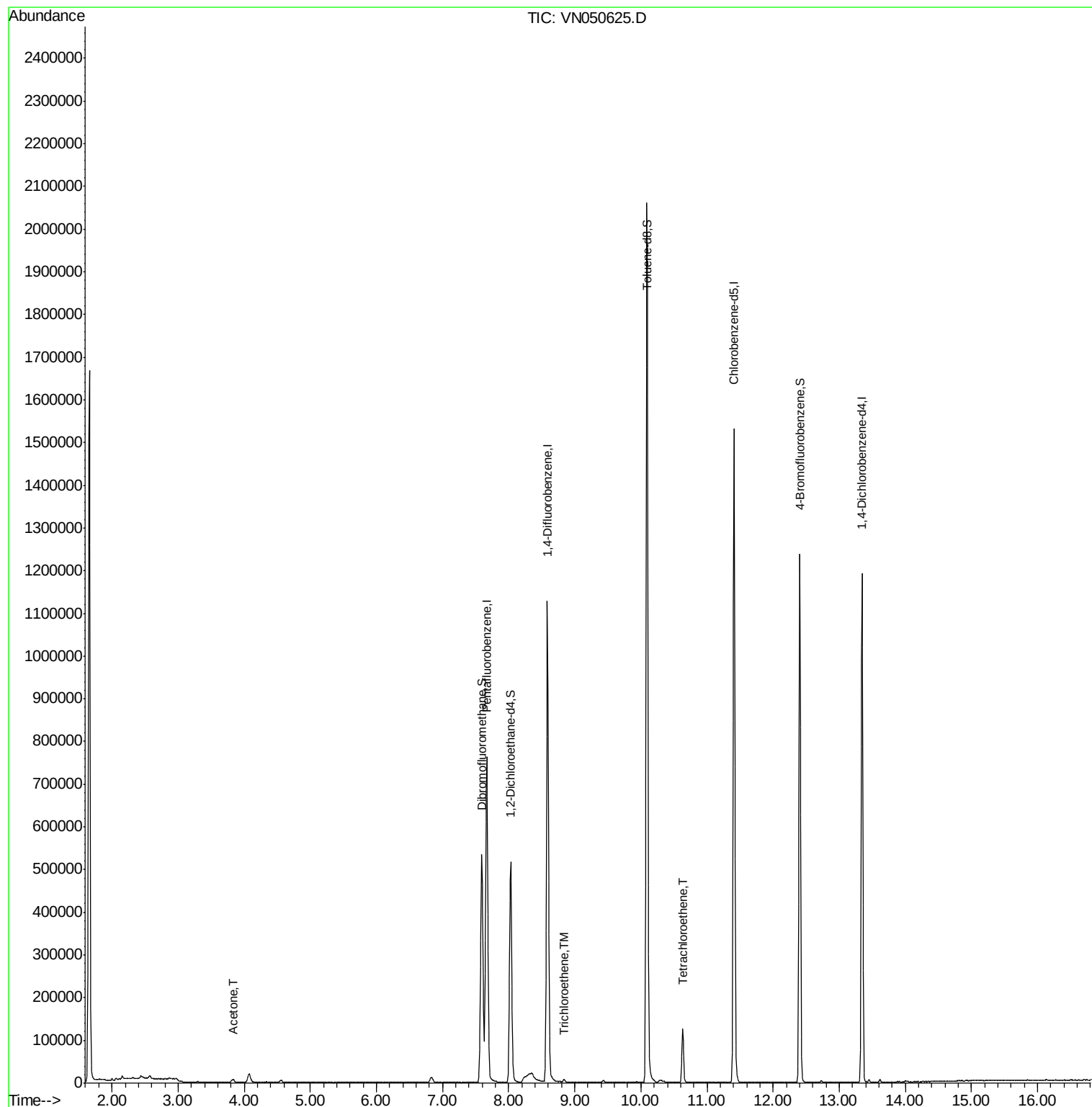
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 666812   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1043066  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 927753   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 337596   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 437191   | 52.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.02% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 418384   | 50.24 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.48% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1494013  | 47.67 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.34%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 415878   | 40.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.34%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.83  | 43   | 13696    | 5.11  | ug/l    | # 87     |
| 44) Trichloroethene         | 8.84  | 130  | 2764     | 0.29  | ug/l    | 80       |
| 64) Tetrachloroethene       | 10.63 | 164  | 31047    | 3.60  | ug/l    | 92       |

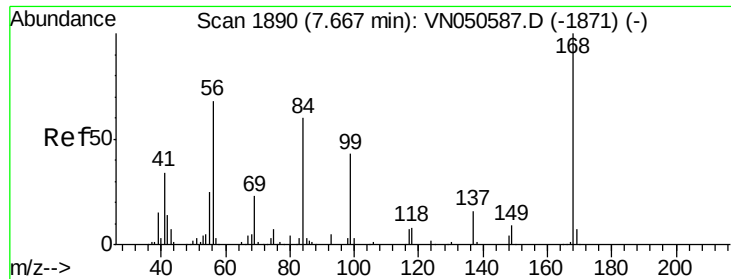
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Aug 14 08:07:08 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050625.D

Acq: 15 Aug 2018 1:28

Instrument :

MSVOA\_N

ClientSampleId :

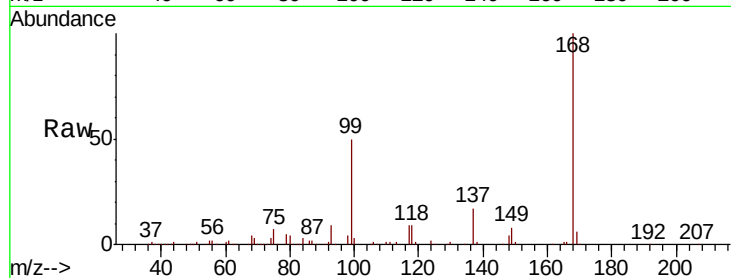
943-MW-04(23)

Tot Ion:168 Resp: 666812

Ion Ratio Lower Upper

168 100

99 50.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

300000

250000

200000

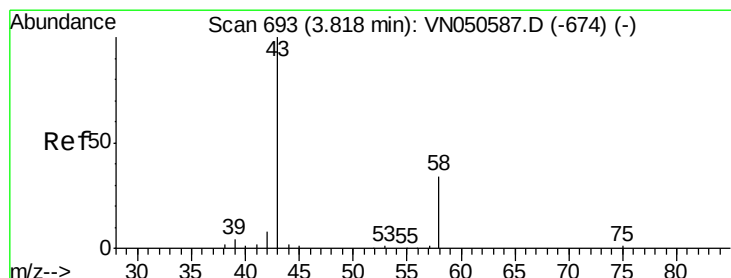
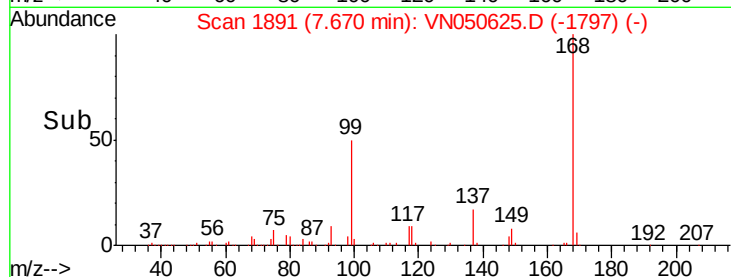
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.11 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050625.D

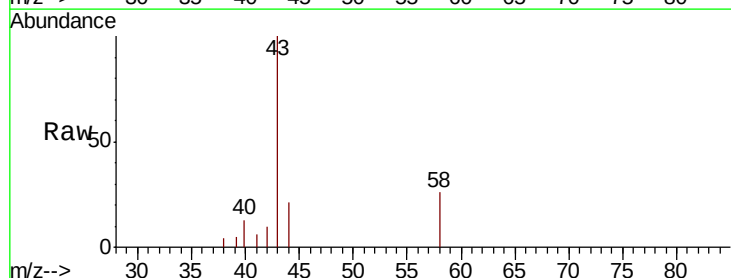
Acq: 15 Aug 2018 1:28

Tgt Ion: 43 Resp: 13696

Ion Ratio Lower Upper

43 100

58 26.4 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-674) (-)

3.83

5000

4000

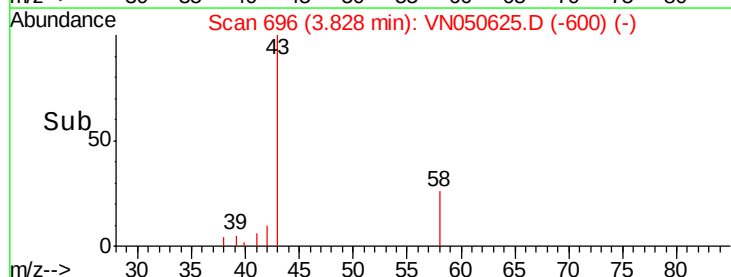
3000

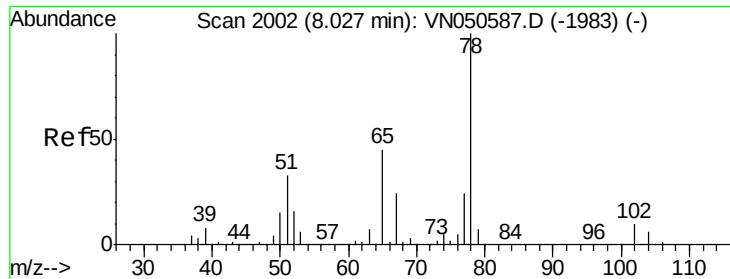
2000

1000

0

Time-->

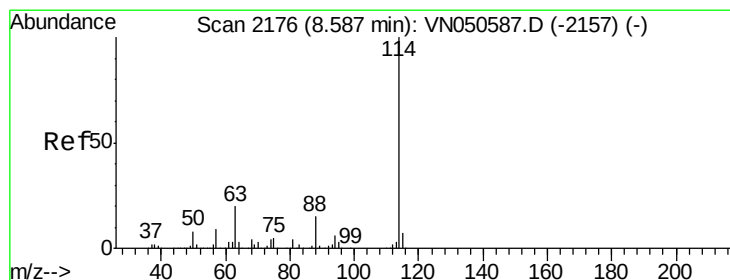
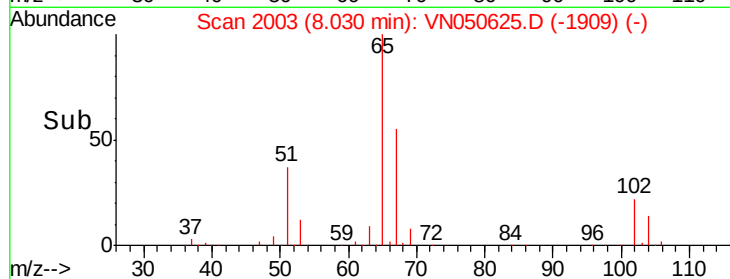
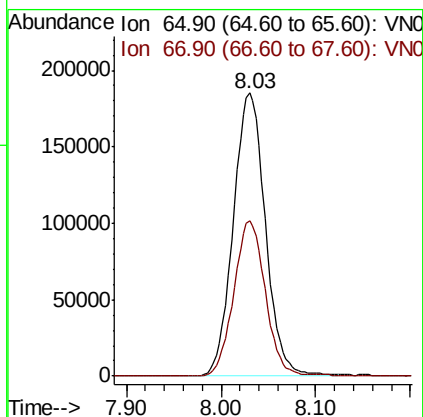
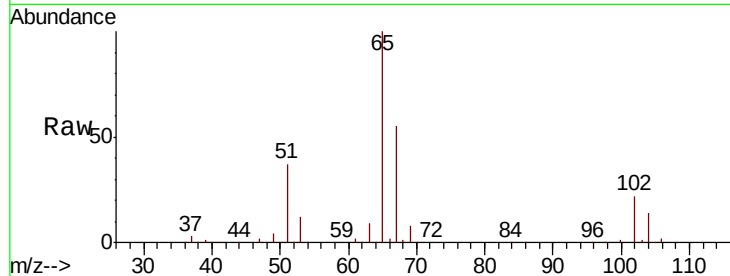




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.01 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050625.D  
 Acq: 15 Aug 2018 1:28

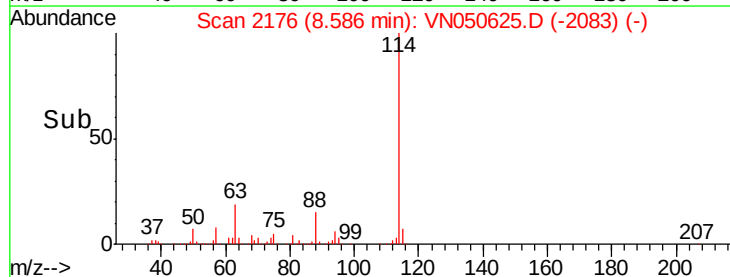
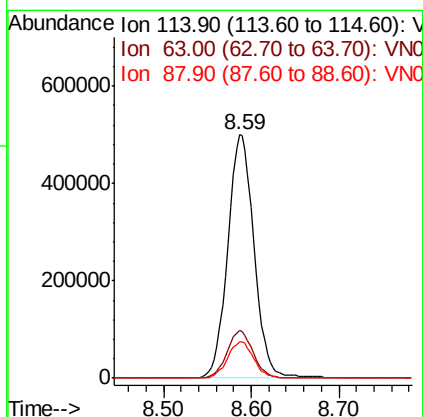
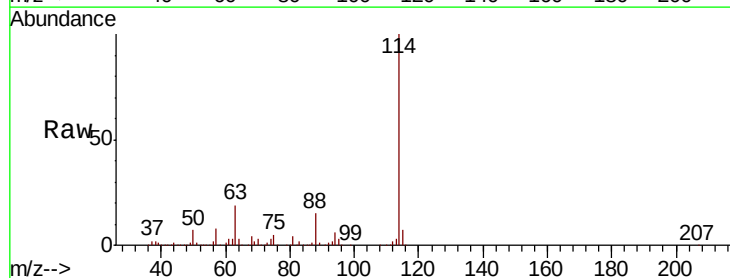
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 943-MW-04(23)

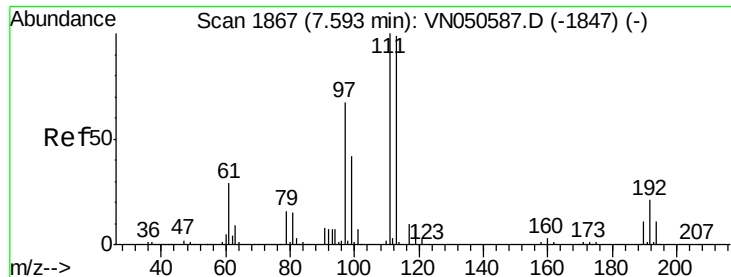
Tot Ion: 65 Resp: 437191  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN050625.D  
 Acq: 15 Aug 2018 1:28

Tgt Ion: 114 Resp: 1043066  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 40.0  
 88 14.9 0.0 30.8

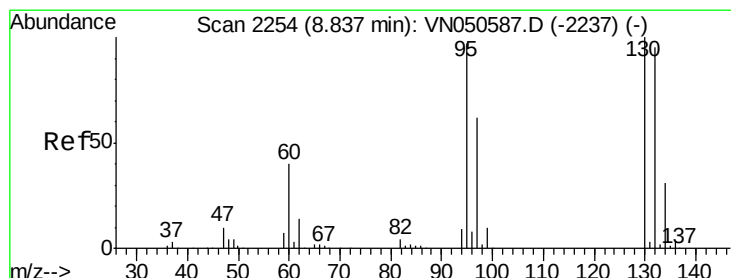
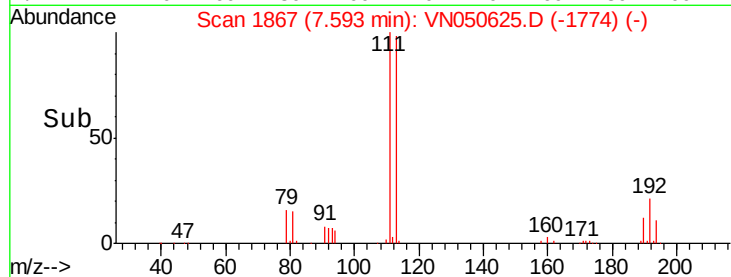
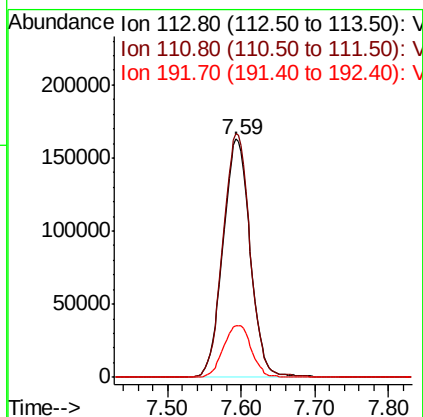
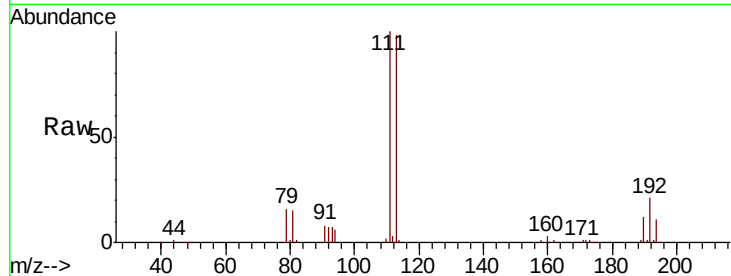




#35  
 Dibromofluoromethane  
 Concen: 50.24 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050625.D  
 Acq: 15 Aug 2018 1:28

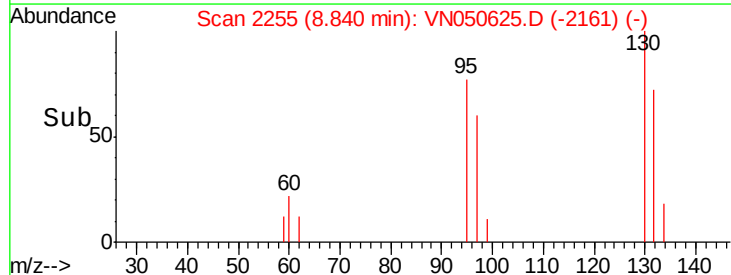
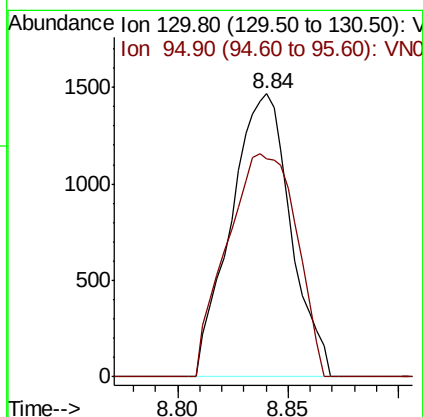
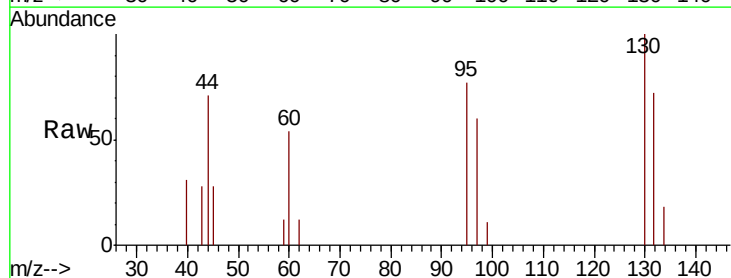
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 943-MW-04(23)

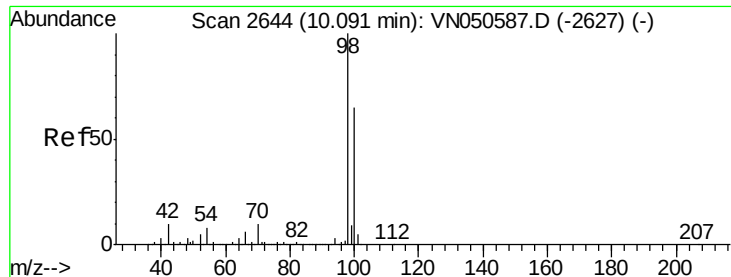
Tot Ion:113 Resp: 418384  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 81.0 121.6  
 192 22.2 17.6 26.4



#44  
 Trichloroethene  
 Concen: 0.29 ug/l  
 RT: 8.84 min Scan# 2255  
 Delta R.T. 0.00 min  
 Lab File: VN050625.D  
 Acq: 15 Aug 2018 1:28

Tgt Ion:130 Resp: 2764  
 Ion Ratio Lower Upper  
 130 100  
 95 77.0 0.0 193.8





#50

Toluene-d8

Concen: 47.67 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050625.D

Acq: 15 Aug 2018 1:28

Instrument :

MSVOA\_N

ClientSampleId :

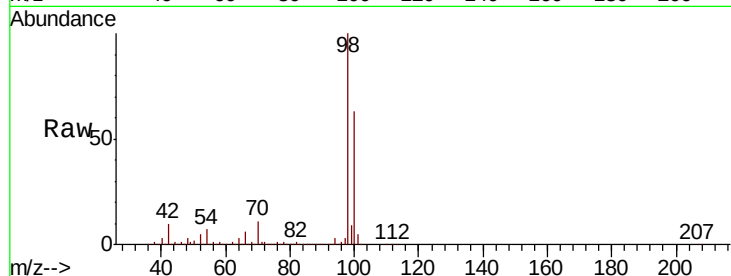
943-MW-04(23)

Tot Ion: 98 Resp: 1494013

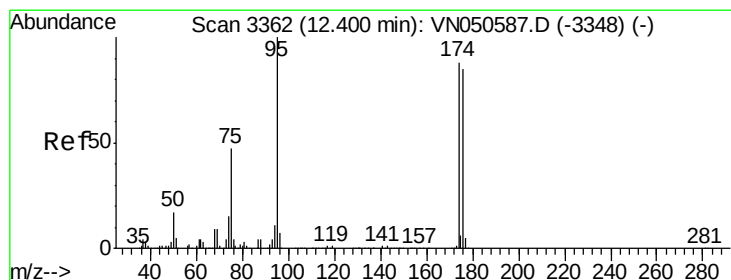
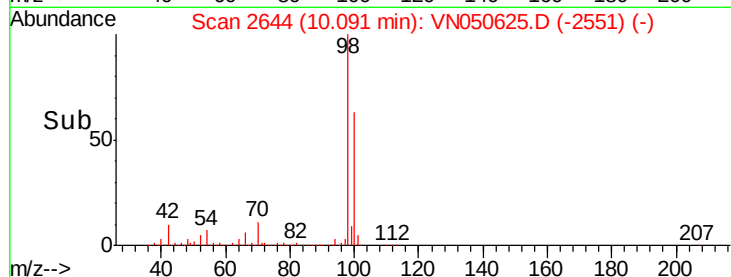
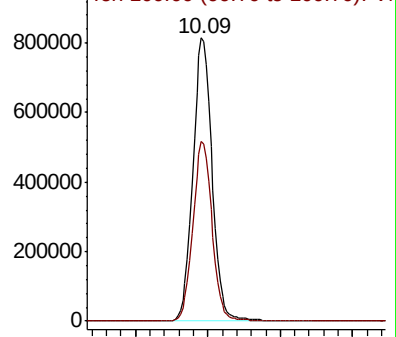
Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)



#62

4-Bromofluorobenzene

Concen: 40.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050625.D

Acq: 15 Aug 2018 1:28

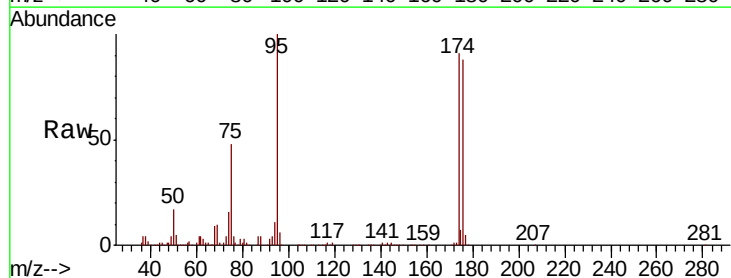
Tgt Ion: 95 Resp: 415878

Ion Ratio Lower Upper

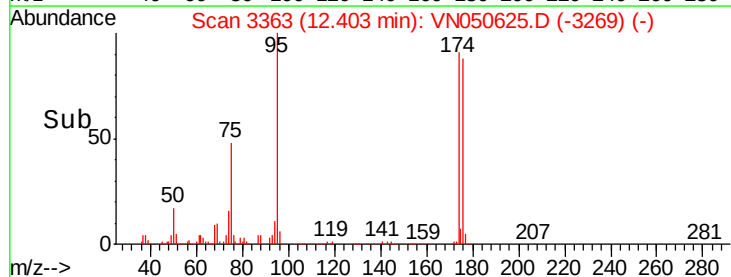
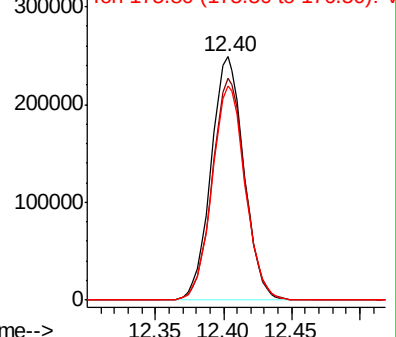
95 100

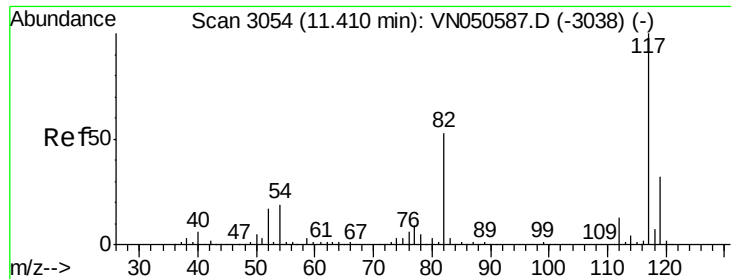
174 91.3 0.0 177.8

176 88.5 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

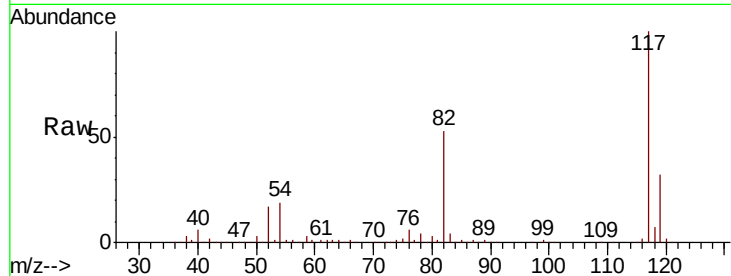




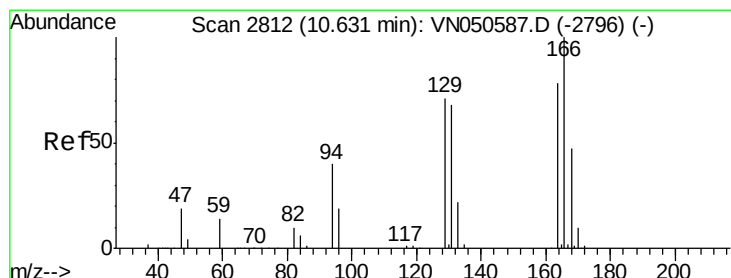
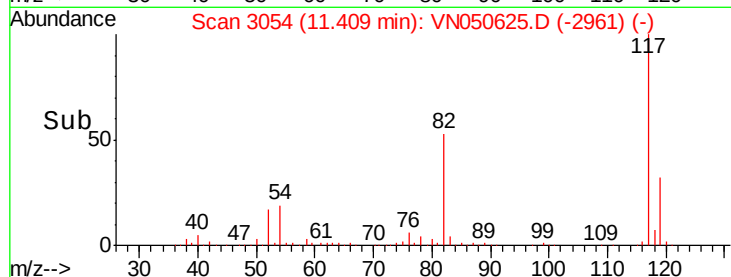
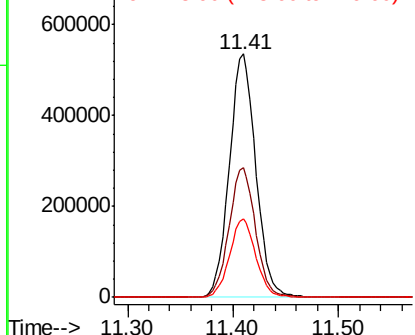
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050625.D  
Acq: 15 Aug 2018 1:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
943-MW-04(23)

Tot Ion:117 Resp: 927753  
Ion Ratio Lower Upper  
117 100  
82 53.3 42.4 63.6  
119 32.4 25.8 38.8

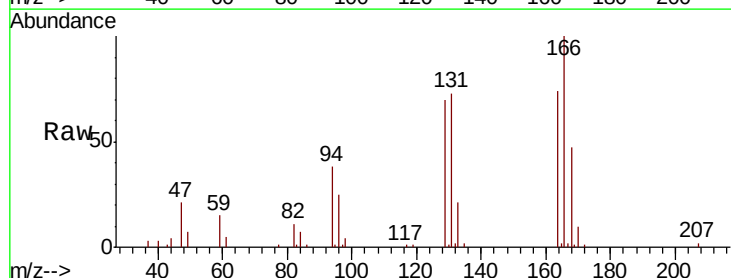


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

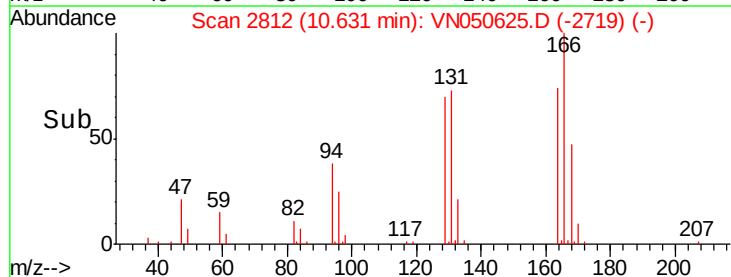
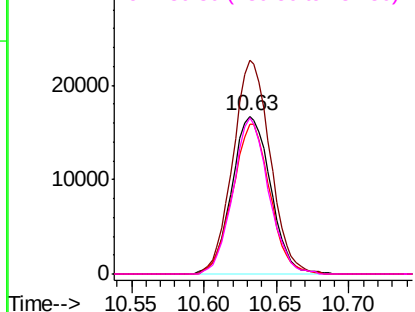


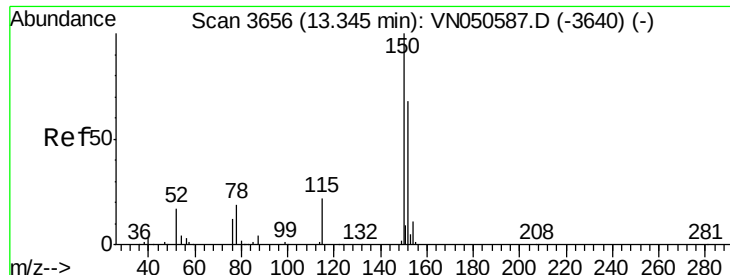
#64  
Tetrachloroethene  
Concen: 3.60 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: VN050625.D  
Acq: 15 Aug 2018 1:28

Tgt Ion:164 Resp: 31047  
Ion Ratio Lower Upper  
164 100  
166 135.6 102.1 153.1  
129 95.1 72.7 109.1  
131 99.1 69.9 104.9



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: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050625.D

Acq: 15 Aug 2018 1:28

Instrument :

MSVOA\_N

ClientSampleId :

943-MW-04(23)

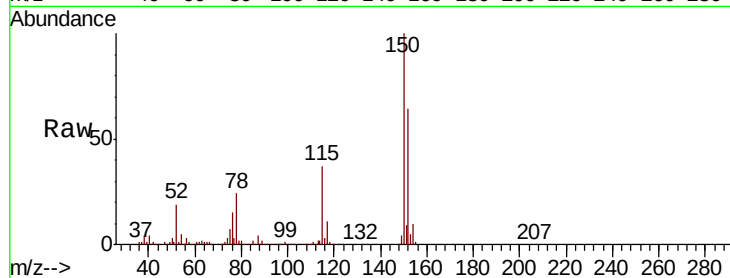
Tot Ion:152 Resp: 337596

Ion Ratio Lower Upper

152 100

115 57.2 28.1 84.2

150 156.8 0.0 347.8



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

