

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\  
 Data File : VN050650.D  
 Acq On : 15 Aug 2018 13:09  
 Operator : MD\SY  
 Sample : J4465-15DL 4X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 952-MW-19(28)DL

Quant Time: Aug 16 02:31:41 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  | 615087   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 953621   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 872618   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 325470   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 410433   | 52.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.88% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 388483   | 51.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.06% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1369134  | 47.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.56%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 391612   | 41.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 82.74%  |          |

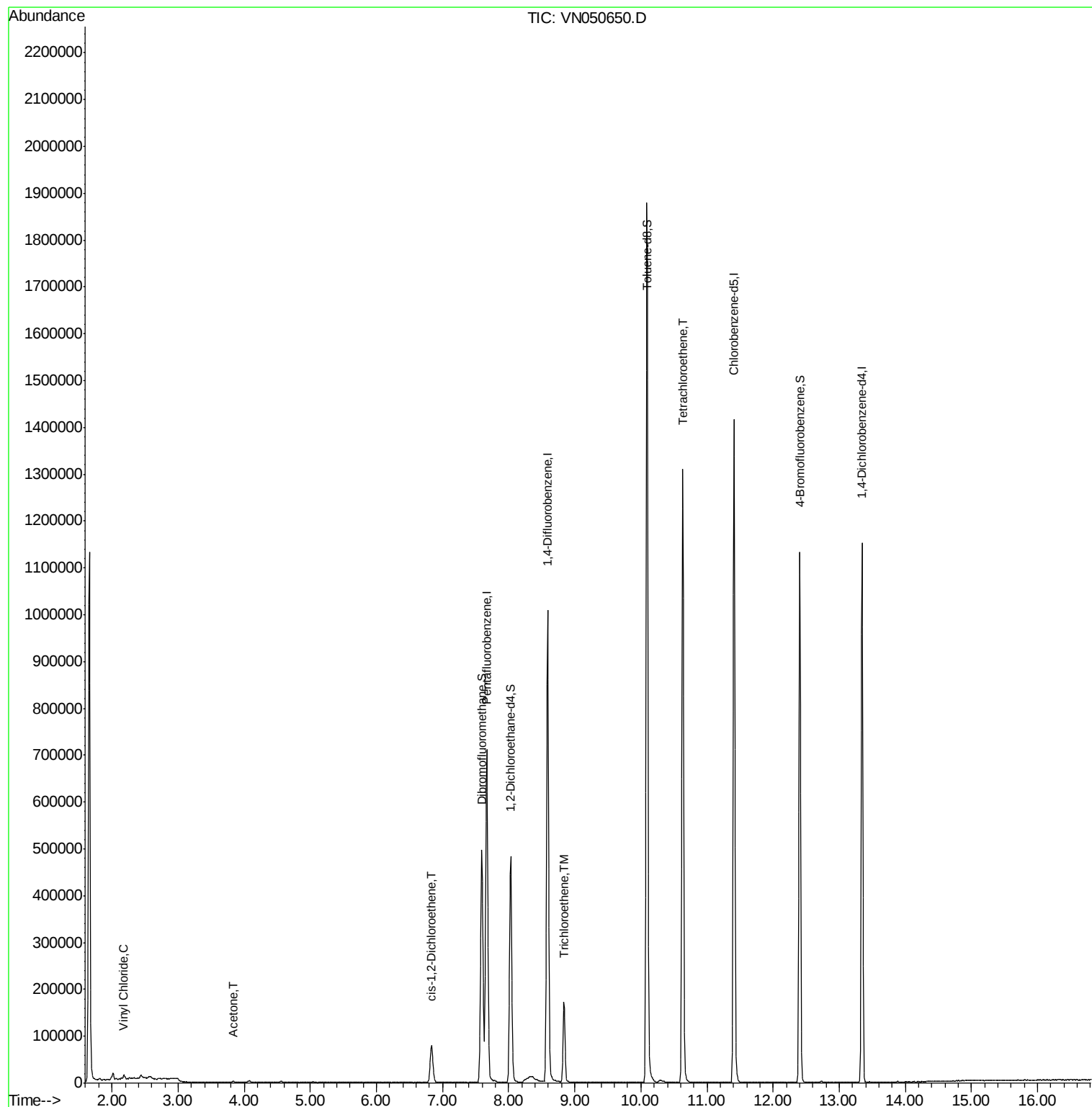
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 4) Vinyl Chloride          | 2.18  | 62   | 3898     | 0.42  | ug/l   | 95     |
| 16) Acetone                | 3.83  | 43   | 4081     | 0.66  | ug/l # | 85     |
| 27) cis-1,2-Dichloroethene | 6.83  | 96   | 52649    | 6.53  | ug/l   | 90     |
| 44) Trichloroethene        | 8.84  | 130  | 67663    | 7.82  | ug/l   | 97     |
| 64) Tetrachloroethene      | 10.63 | 164  | 337490   | 41.65 | ug/l   | 99     |

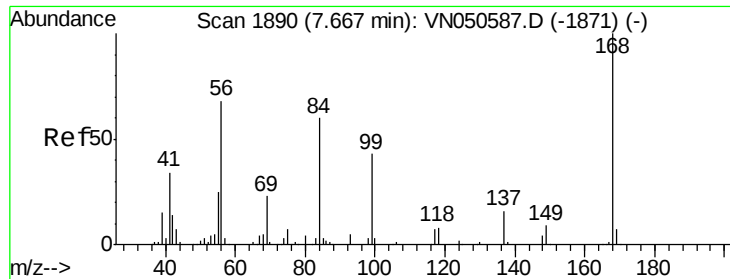
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081518\  
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Instrument :  
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ClientSampleId :  
952-MW-19(28)DL

Quant Time: Aug 16 02:31:41 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
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# 1890

Delta R.T. -0.00 min

Lab File: VN050650.D

Acq: 15 Aug 2018 13:09

Instrument :

MSVOA\_N

ClientSampleId :

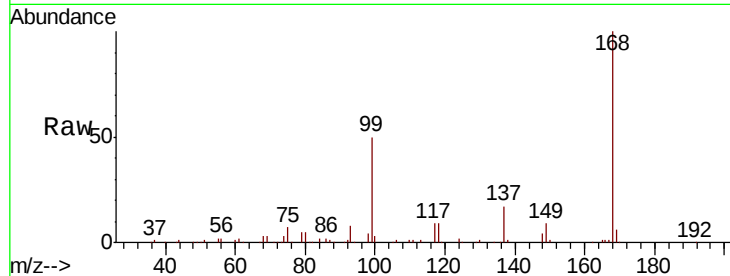
952-MW-19(28)DL

Tot Ion:168 Resp: 615087

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

250000

200000

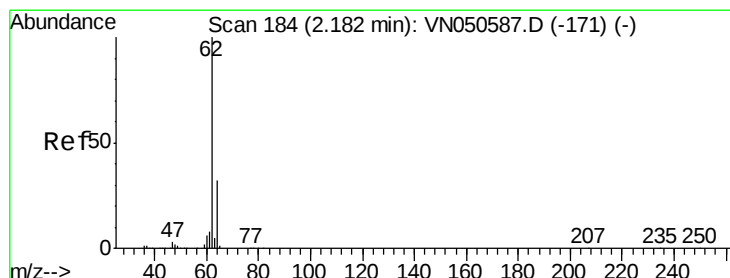
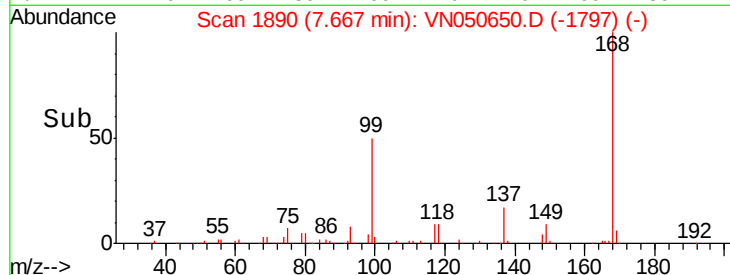
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.42 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050650.D

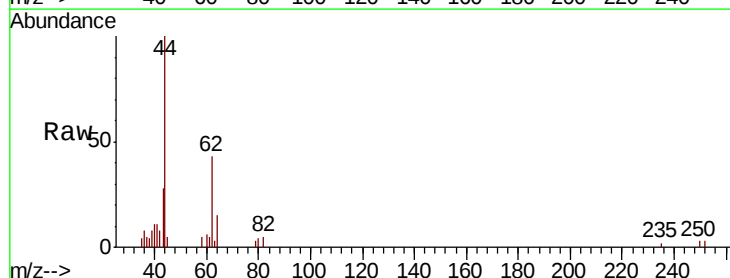
Acq: 15 Aug 2018 13:09

Tgt Ion: 62 Resp: 3898

Ion Ratio Lower Upper

62 100

64 34.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN050587.D (-171) (-)

Ion 63.90 (63.60 to 64.60): VN050587.D (-171) (-)

2.18

3000

2500

2000

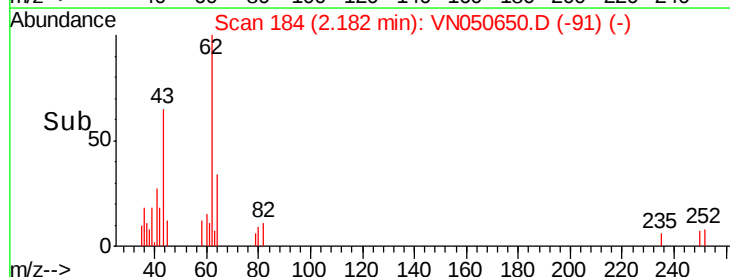
1500

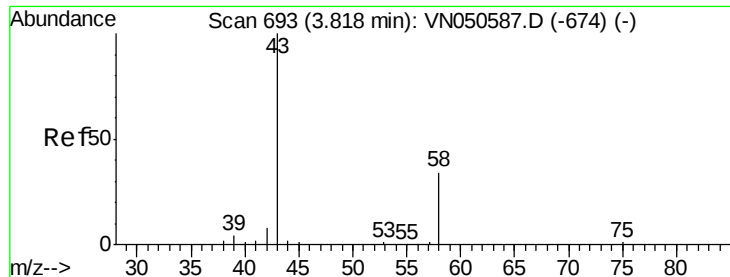
1000

500

0

Time-->





#16

Acetone

Concen: 0.66 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050650.D

Acq: 15 Aug 2018 13:09

Instrument :

MSVOA\_N

ClientSampleId :

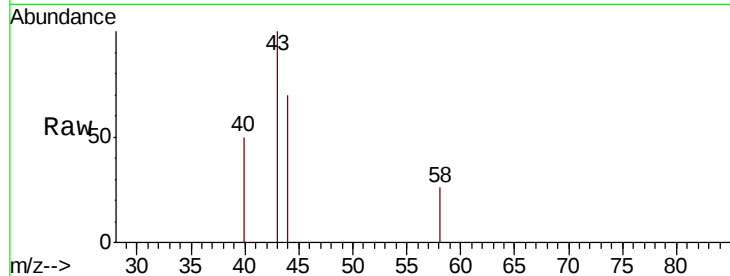
952-MW-19(28)DL

Tot Ion: 43 Resp: 4081

Ion Ratio Lower Upper

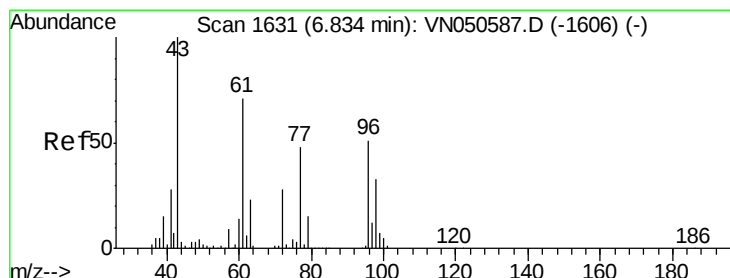
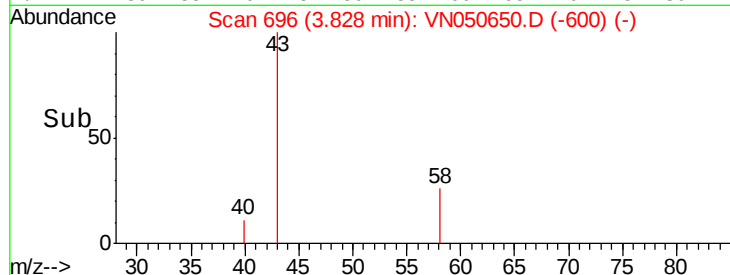
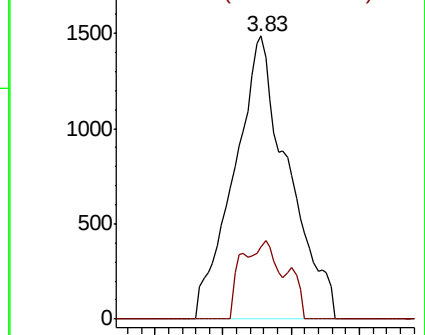
43 100

58 25.5 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 6.53 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050650.D

Acq: 15 Aug 2018 13:09

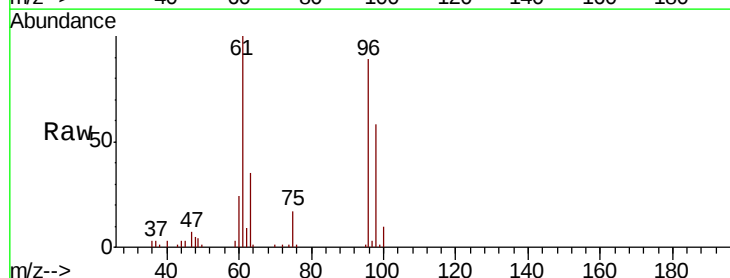
Tgt Ion: 96 Resp: 52649

Ion Ratio Lower Upper

96 100

61 123.7 0.0 278.2

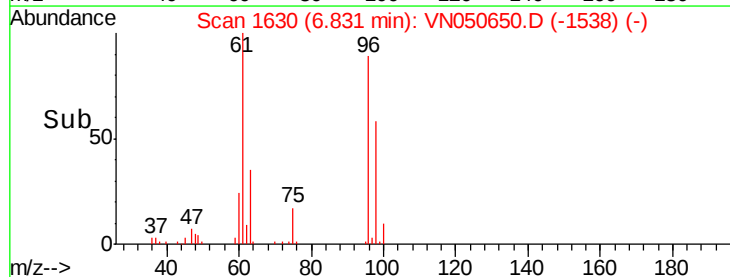
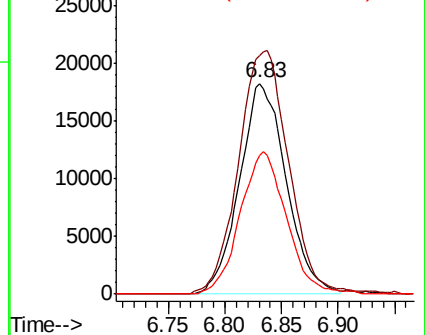
98 66.7 0.0 128.8

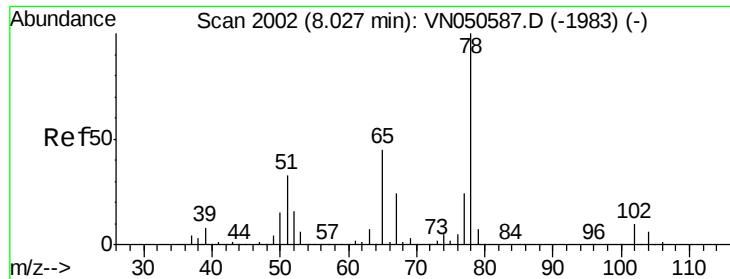


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

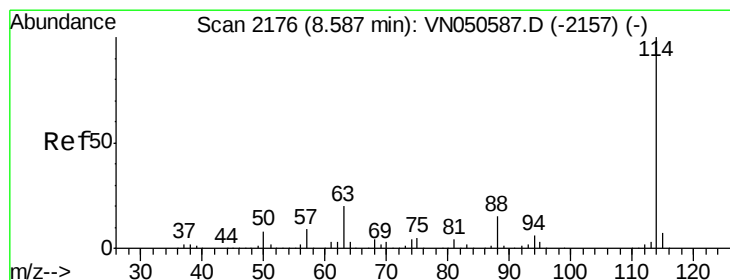
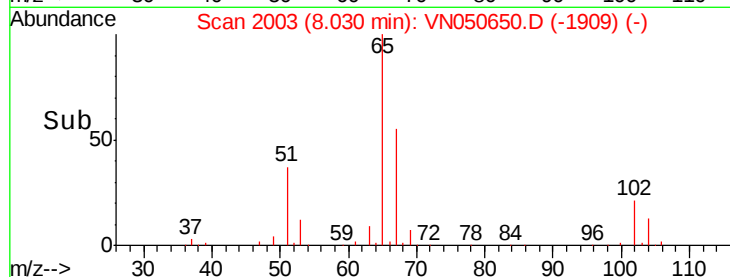
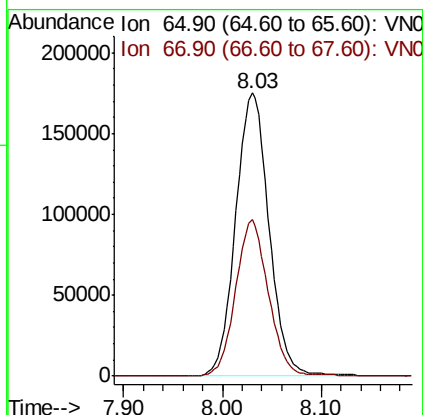
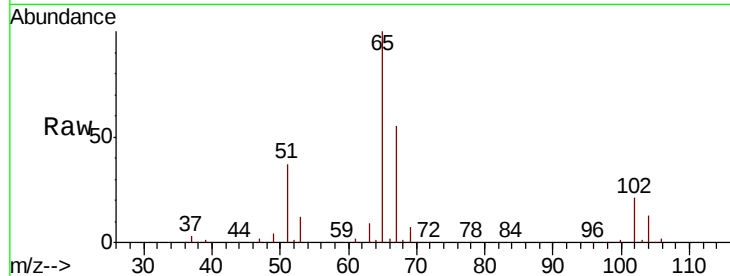




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.94 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050650.D  
 Acq: 15 Aug 2018 13:09

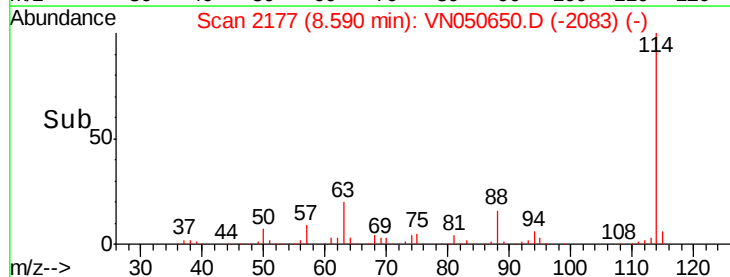
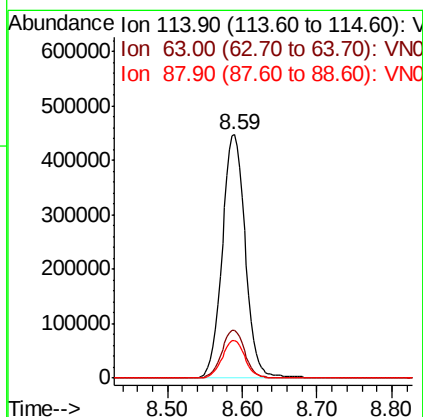
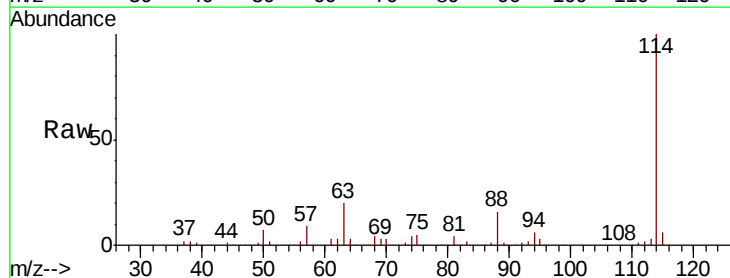
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 952-MW-19(28)DL

Tot Ion: 65 Resp: 410433  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050650.D  
 Acq: 15 Aug 2018 13:09

Tgt Ion: 114 Resp: 953621  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 40.0  
 88 15.7 0.0 30.8

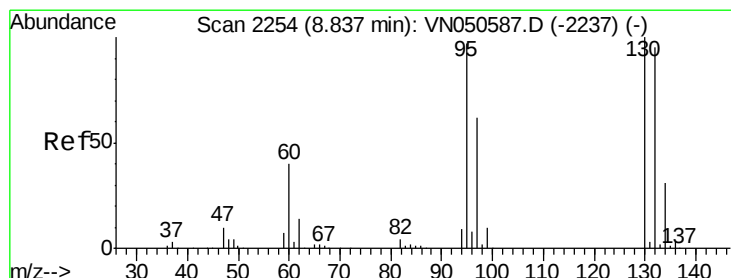
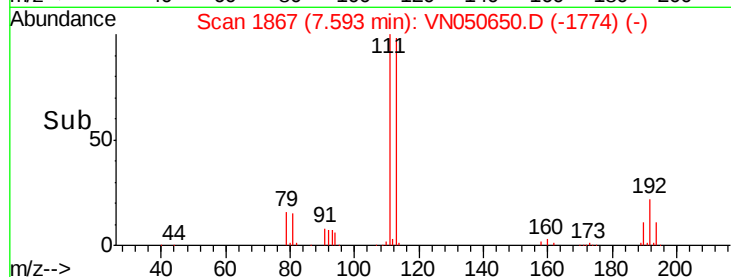
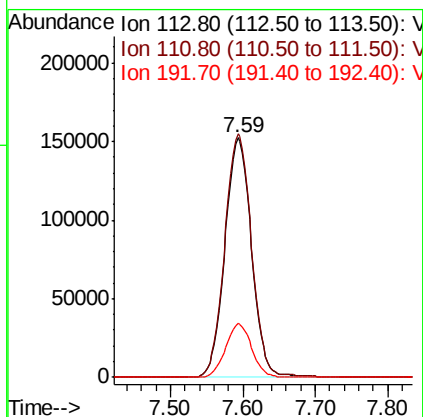
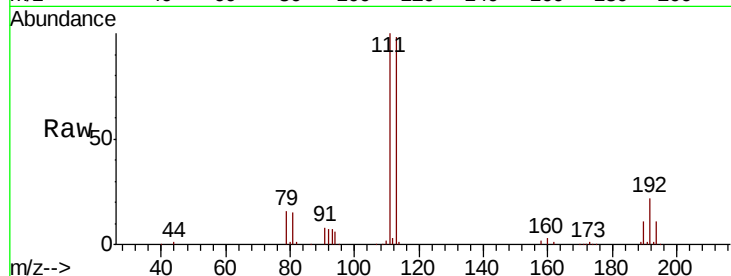




#35  
 Dibromofluoromethane  
 Concen: 51.03 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050650.D  
 Acq: 15 Aug 2018 13:09

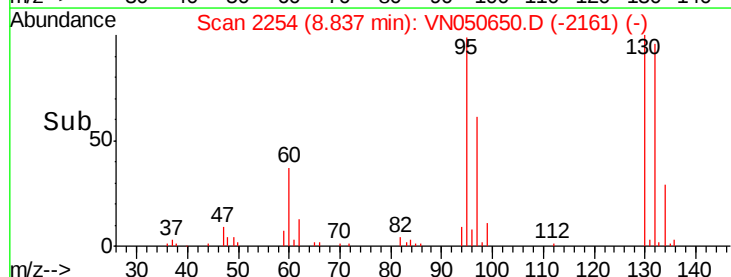
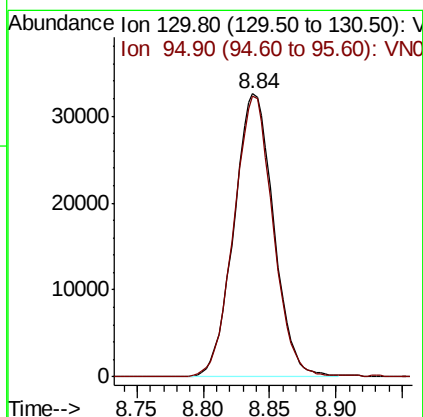
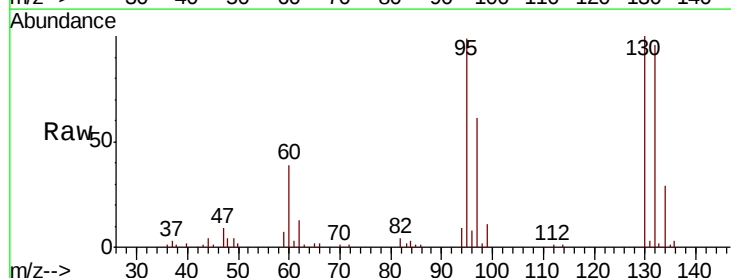
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 952-MW-19(28)DL

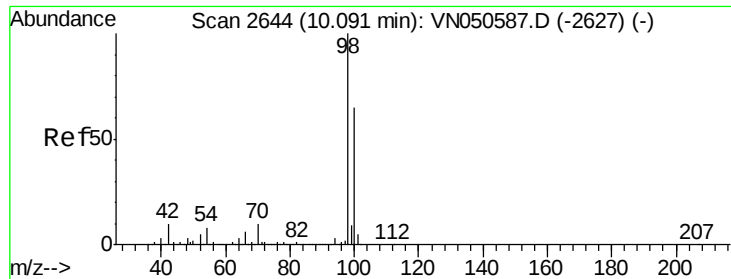
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 81.0  | 121.6 |
| 192     | 22.1  | 17.6  | 26.4  |



#44  
 Trichloroethene  
 Concen: 7.82 ug/l  
 RT: 8.84 min Scan# 2254  
 Delta R.T. -0.00 min  
 Lab File: VN050650.D  
 Acq: 15 Aug 2018 13:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 99.4  | 0.0   | 193.8 |





#50

Toluene-d8

Concen: 47.78 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050650.D

Acq: 15 Aug 2018 13:09

Instrument :

MSVOA\_N

ClientSampleId :

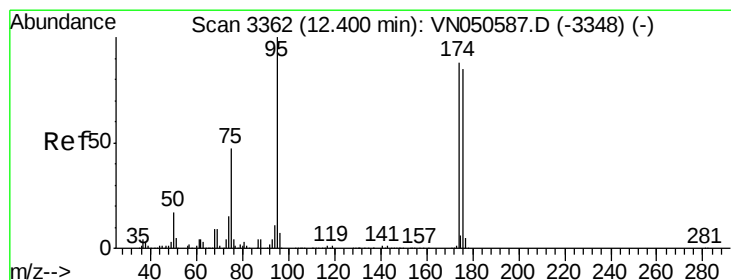
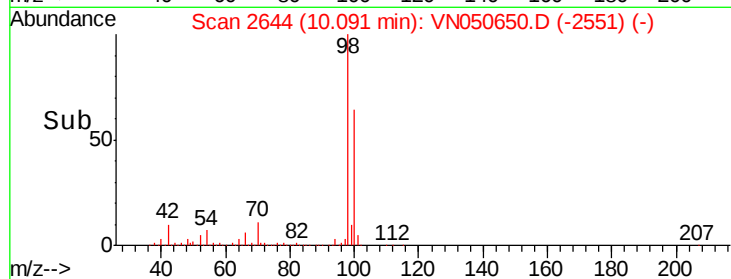
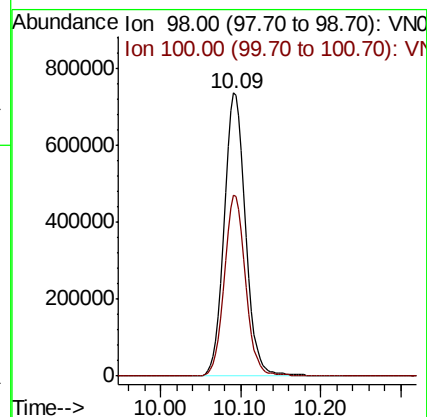
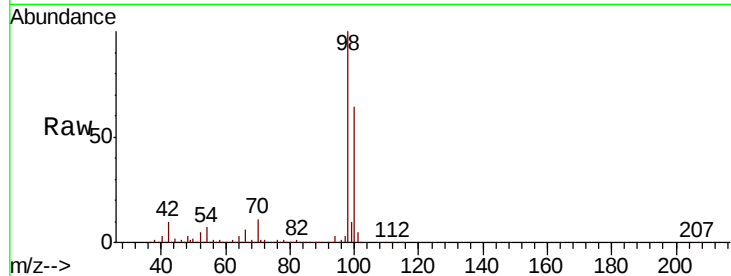
952-MW-19(28)DL

Tot Ion: 98 Resp: 1369134

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 41.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050650.D

Acq: 15 Aug 2018 13:09

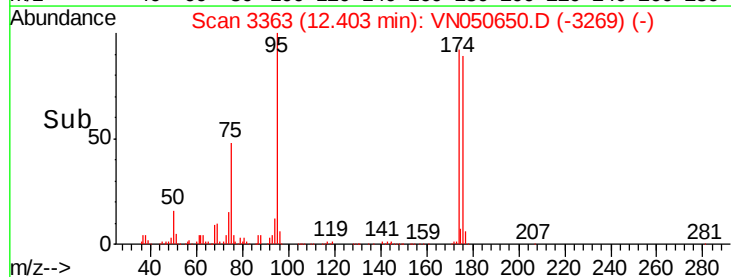
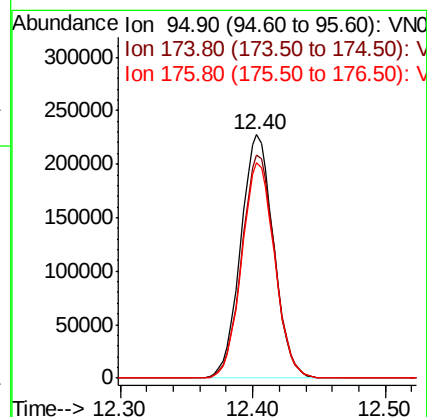
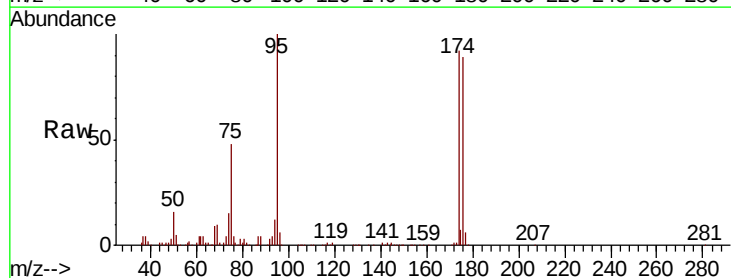
Tgt Ion: 95 Resp: 391612

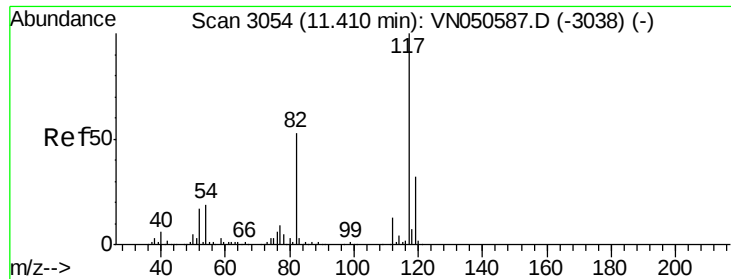
Ion Ratio Lower Upper

95 100

174 91.8 0.0 177.8

176 88.6 0.0 175.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050650.D

Acq: 15 Aug 2018 13:09

Instrument :

MSVOA\_N

ClientSampleId :

952-MW-19(28)DL

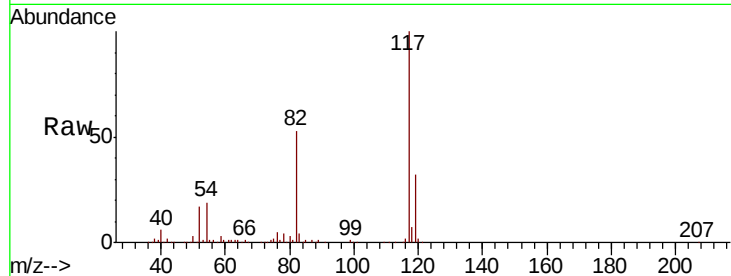
Tot Ion:117 Resp: 872618

Ion Ratio Lower Upper

117 100

82 53.2 42.4 63.6

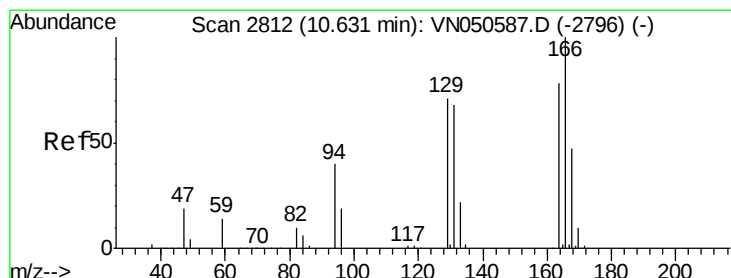
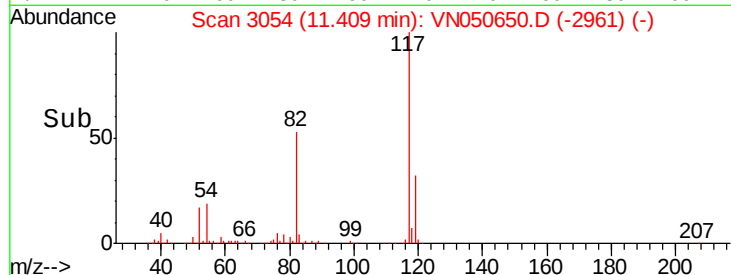
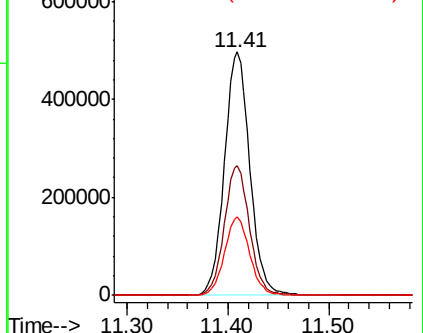
119 32.0 25.8 38.8



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: 41.65 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050650.D

Acq: 15 Aug 2018 13:09

Tgt Ion:164 Resp: 337490

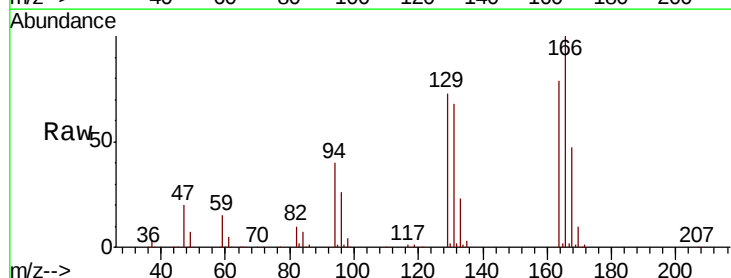
Ion Ratio Lower Upper

164 100

166 126.0 102.1 153.1

129 91.6 72.7 109.1

131 86.1 69.9 104.9

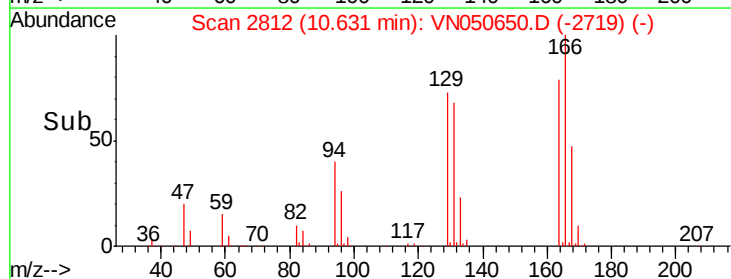
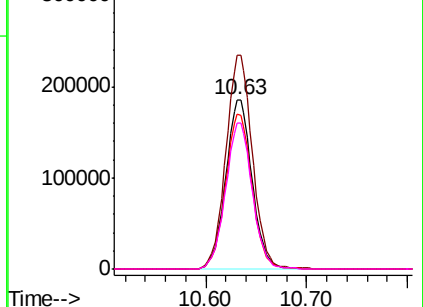


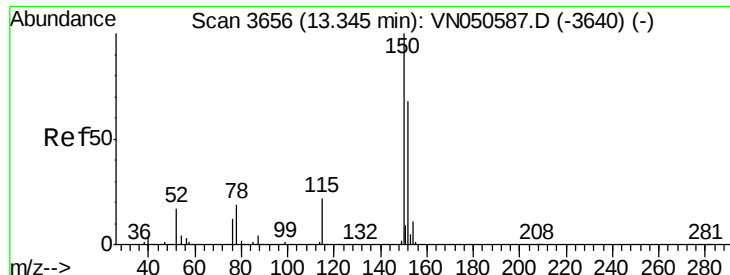
Abundance Ion 163.80 (163.50 to 164.50): V

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: VN050650.D

Acq: 15 Aug 2018 13:09

Instrument :

MSVOA\_N

ClientSampleId :

952-MW-19(28)DL

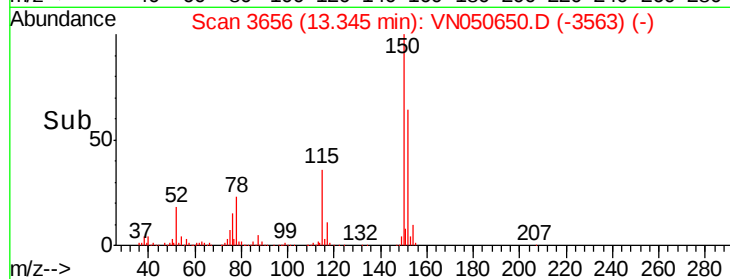
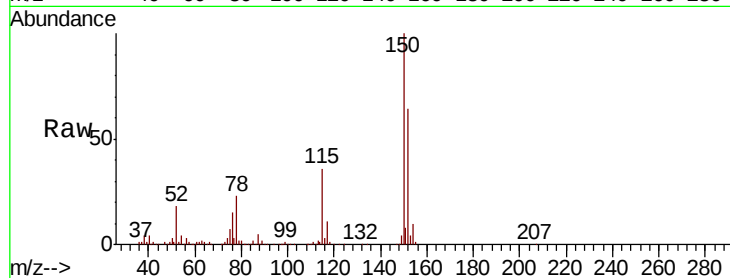
Tot Ion:152 Resp: 325470

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

150 156.6 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

