

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032520\  
 Data File : VN060700.D  
 Acq On : 25 Mar 2020 16:22  
 Operator : JC/MD  
 Sample : L1997-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW203D-20200315

Quant Time: Mar 26 05:39:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

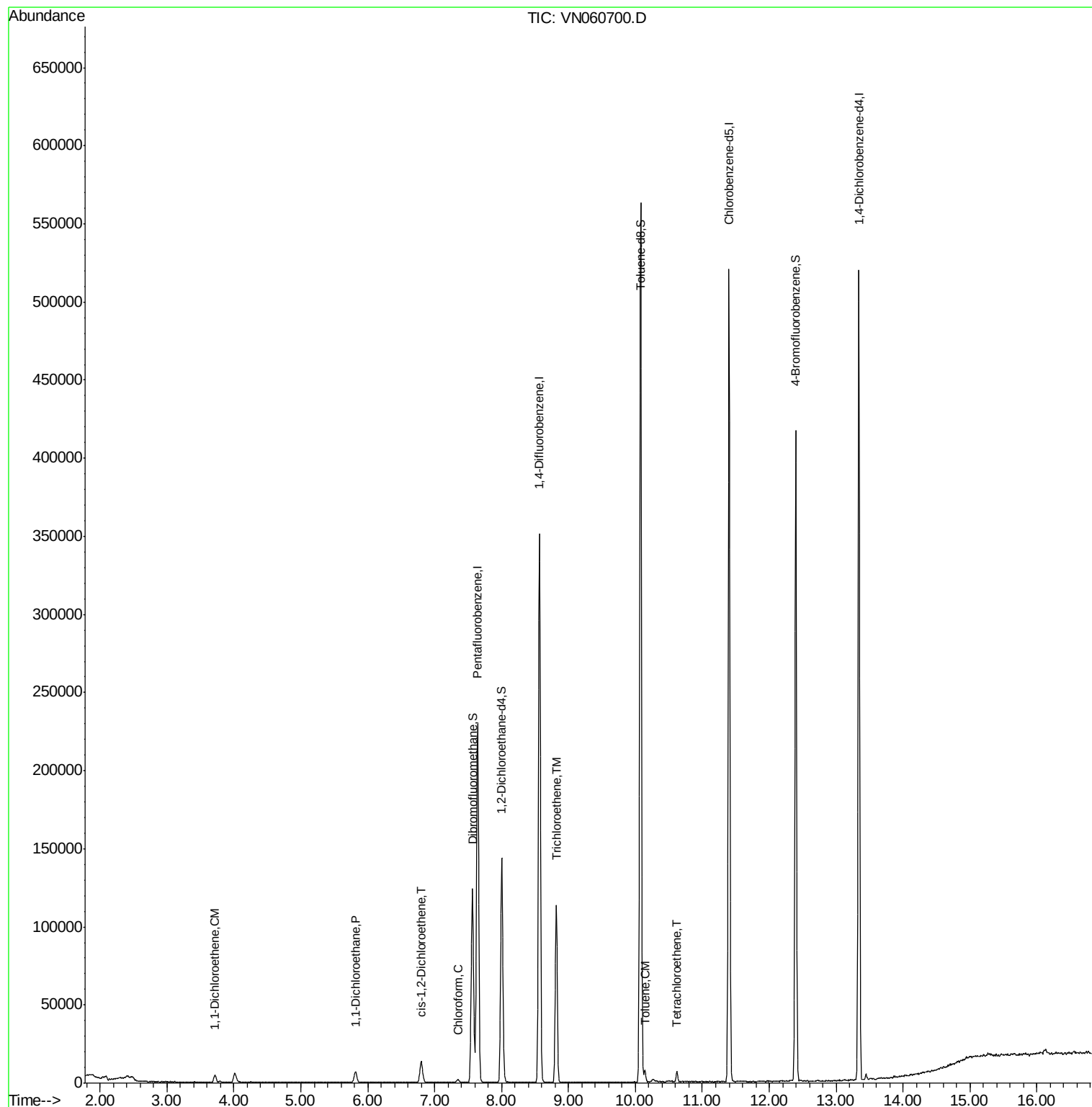
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64   | 168  | 187669   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57   | 114  | 314552   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40  | 117  | 291929   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34  | 152  | 135316   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65   | 122324   | 47.48  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 94.96%  |          |
| 35) Dibromofluoromethane    | 7.56   | 113  | 94016    | 49.43  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 98.86%  |          |
| 50) Toluene-d8              | 10.08  | 98   | 385138   | 49.57  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 99.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 143487   | 50.40  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 100.80% |          |
| Target Compounds            |        |      |          |        |         |          |
| 12) 1,1-Dichloroethene      | 3.71   | 96   | 2822     | 1.389  | ug/l    | 95       |
| 24) 1,1-Dichloroethane      | 5.82   | 63   | 11639    | 2.828  | ug/l #  | 94       |
| 27) cis-1,2-Dichloroethene  | 6.80   | 96   | 9594     | 3.899  | ug/l    | 89       |
| 30) Chloroform              | 7.35   | 83   | 2216     | 0.562  | ug/l    | 96       |
| 44) Trichloroethene         | 8.82   | 130  | 42080    | 18.155 | ug/l    | 99       |
| 52) Toluene                 | 10.14  | 92   | 3234     | 0.582  | ug/l    | 91       |
| 64) Tetrachloroethene       | 10.62  | 164  | 1736     | 0.756  | ug/l    | 88       |

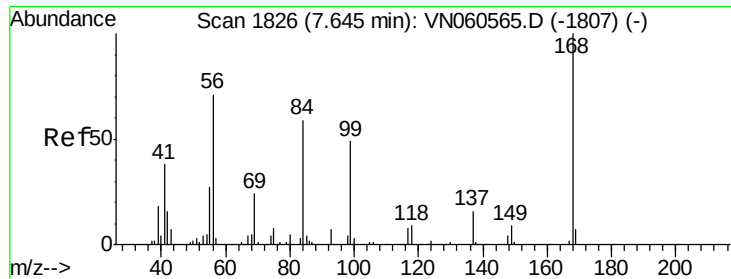
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032520\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

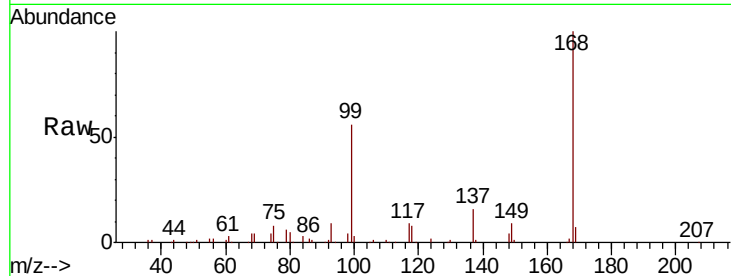
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW203D-20200315

Tot Ion:168 Resp: 187669

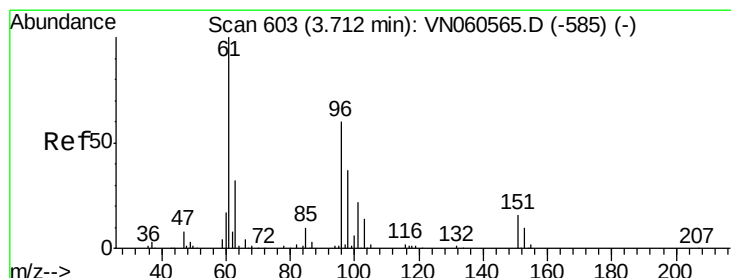
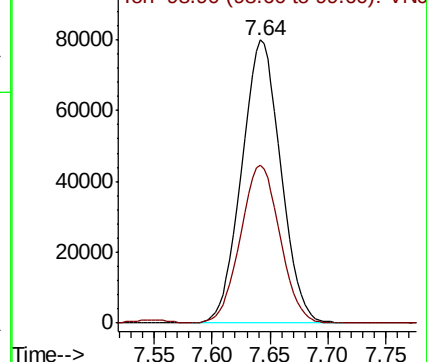
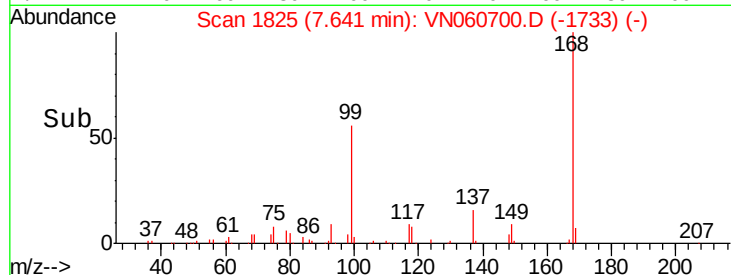
Ion Ratio Lower Upper

168 100

99 55.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060700.D (-1733) (-)



#12

1,1-Dichloroethene

Concen: 1.389 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

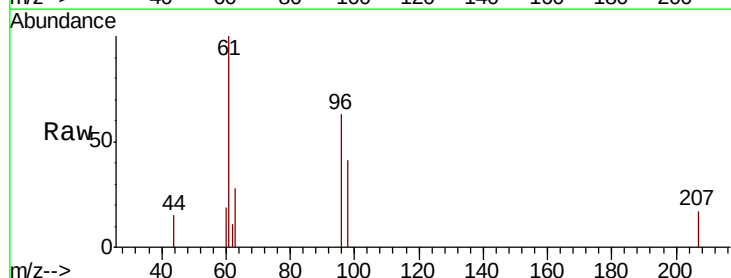
Tgt Ion: 96 Resp: 2822

Ion Ratio Lower Upper

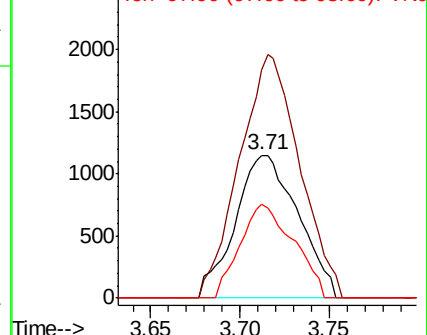
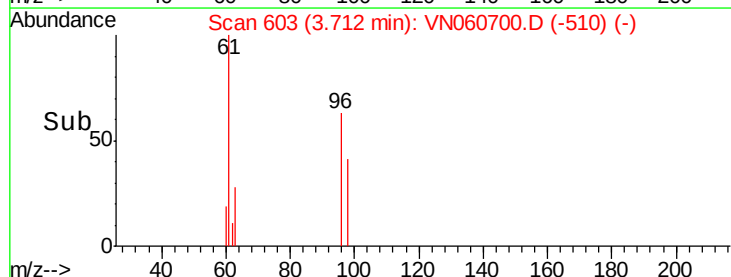
96 100

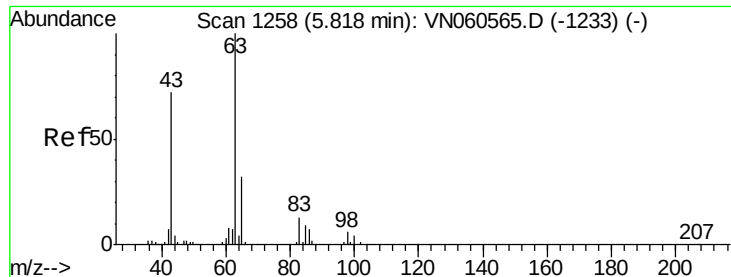
61 159.9 134.1 201.1

98 65.2 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN060700.D (-510) (-)

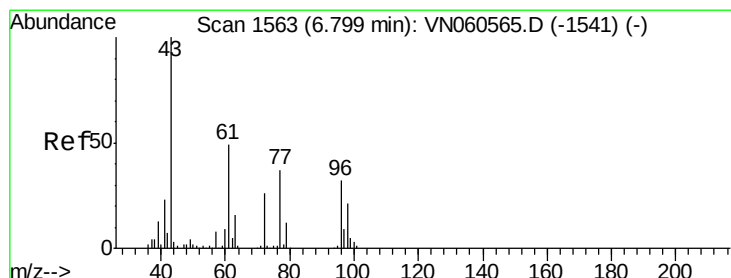
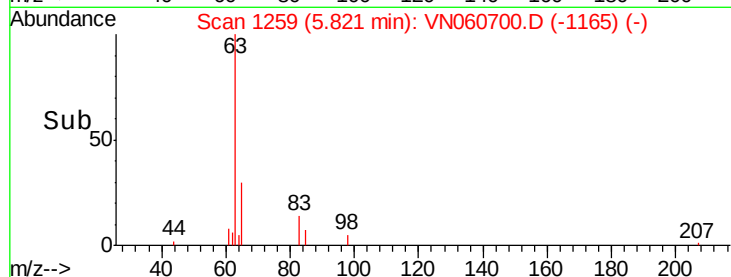
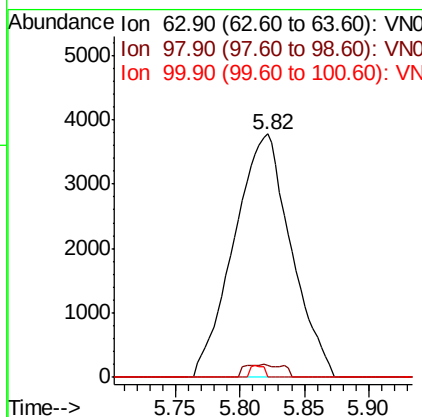
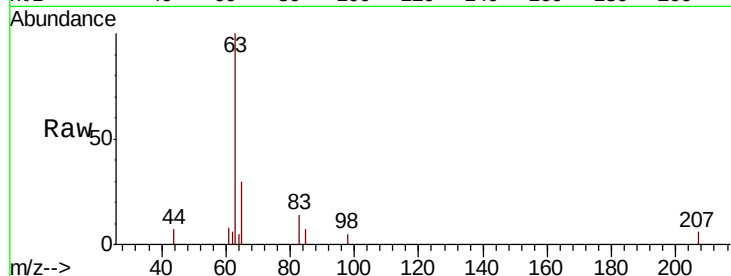




#24  
 1,1-Dichloroethane  
 Concen: 2.828 ug/l  
 RT: 5.82 min Scan# 1259  
 Delta R.T. 0.00 min  
 Lab File: VN060700.D  
 Acq: 25 Mar 2020 16:22

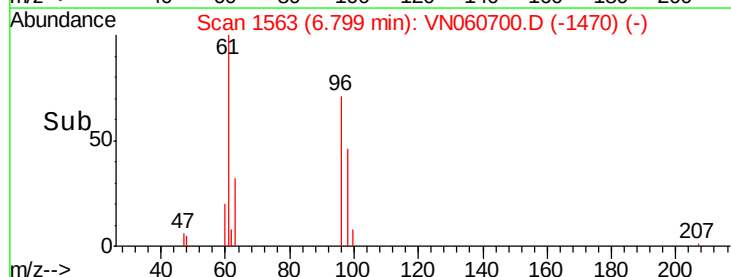
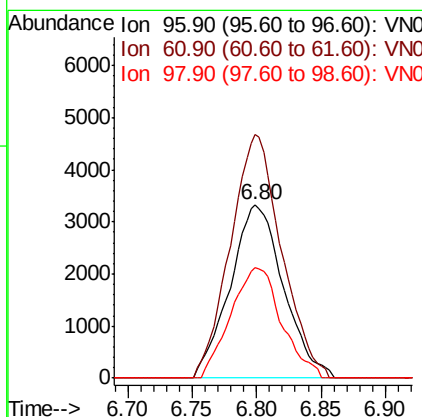
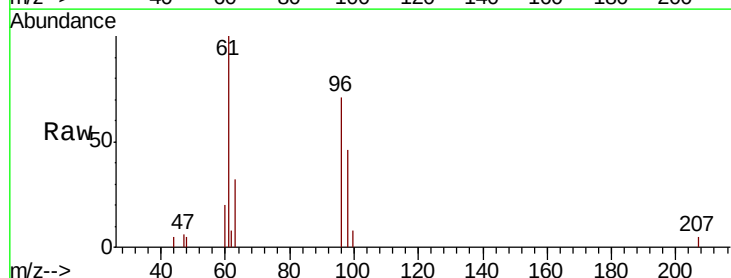
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW203D-20200315

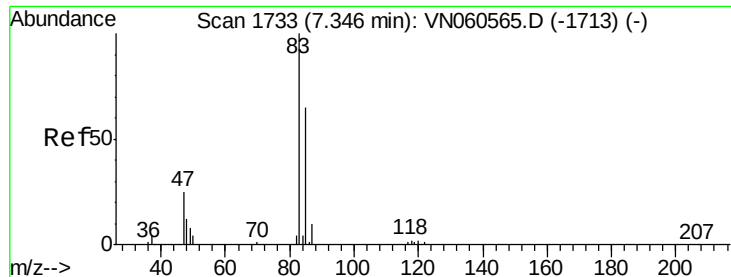
Tot Ion: 63 Resp: 11639  
 Ion Ratio Lower Upper  
 63 100  
 98 5.0 2.9 8.7  
 100 0.0 1.8 5.5#



#27  
 cis-1,2-Dichloroethene  
 Concen: 3.899 ug/l  
 RT: 6.80 min Scan# 1563  
 Delta R.T. -0.00 min  
 Lab File: VN060700.D  
 Acq: 25 Mar 2020 16:22

Tgt Ion: 96 Resp: 9594  
 Ion Ratio Lower Upper  
 96 100  
 61 134.5 0.0 305.6  
 98 60.8 0.0 127.6

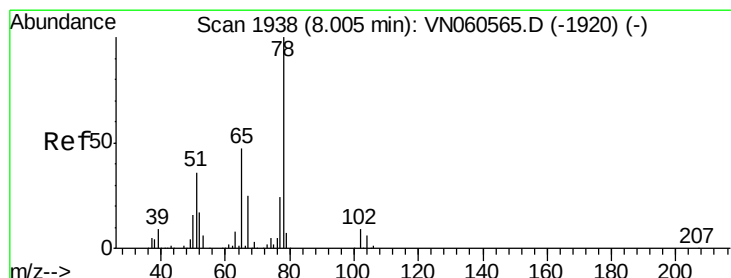
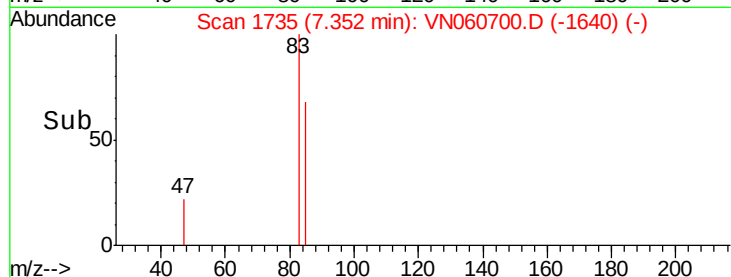
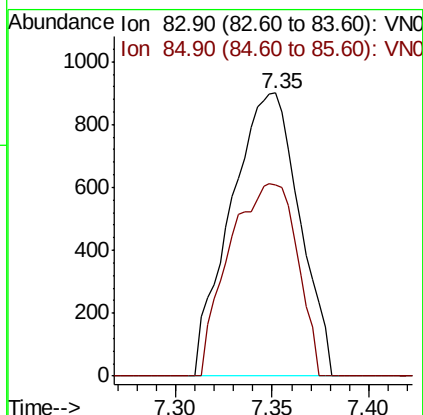
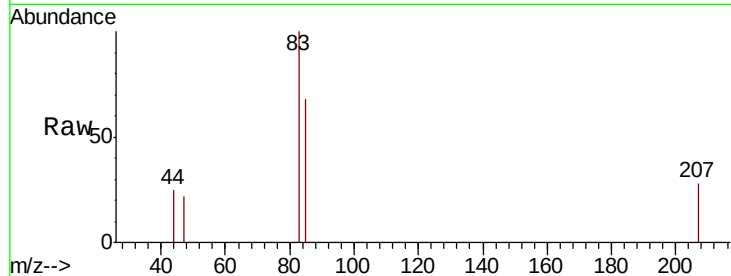




#30  
Chloroform  
Concen: 0.562 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. 0.01 min  
Lab File: VN060700.D  
Acq: 25 Mar 2020 16:22

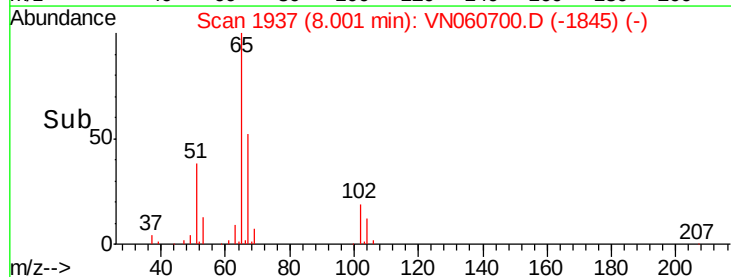
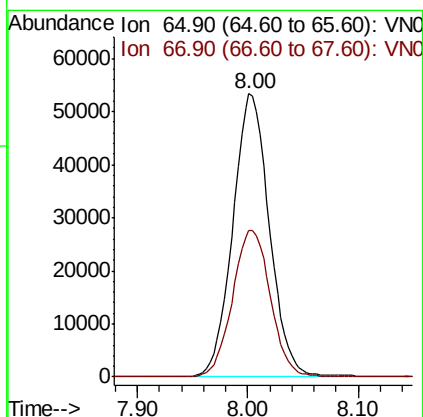
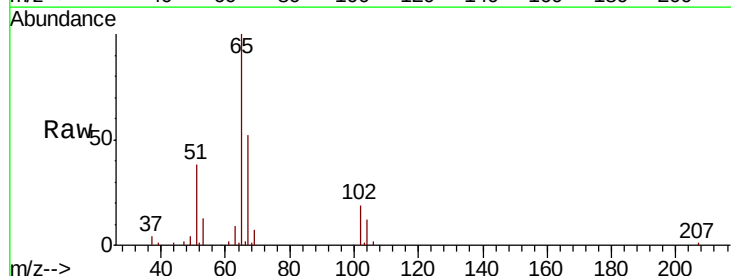
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW203D-20200315

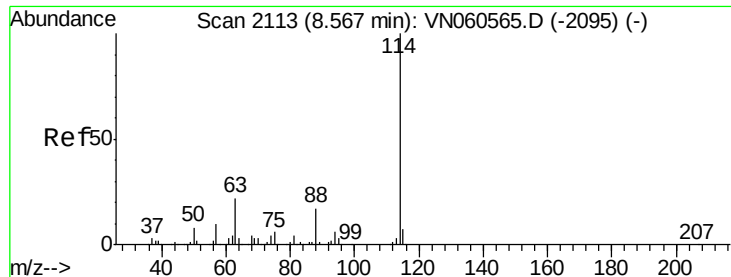
Tot Ion: 83 Resp: 2216  
Ion Ratio Lower Upper  
83 100  
85 67.7 51.8 77.8



#33  
1,2-Dichloroethane-d4  
Concen: 47.481 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN060700.D  
Acq: 25 Mar 2020 16:22

Tgt Ion: 65 Resp: 122324  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 107.6

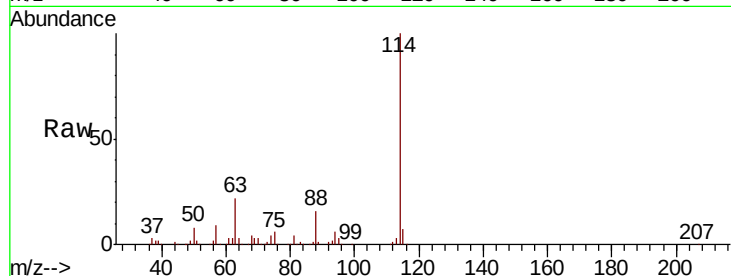




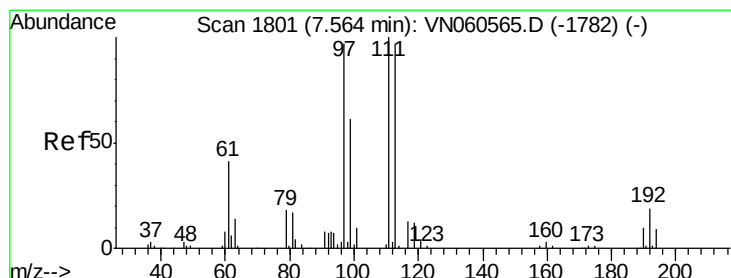
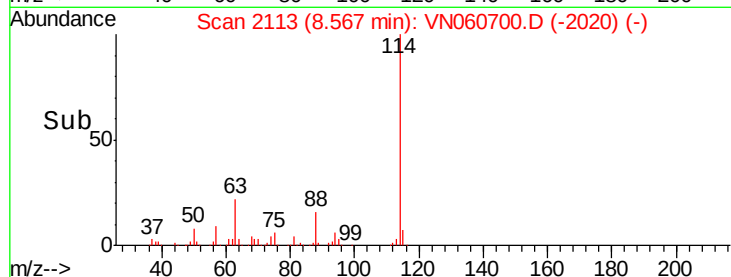
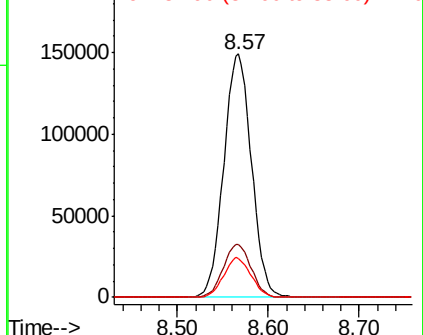
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060700.D  
 Acq: 25 Mar 2020 16:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW203D-20200315

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.9  | 0.0   | 43.8  |
| 88      | 16.2  | 0.0   | 33.0  |

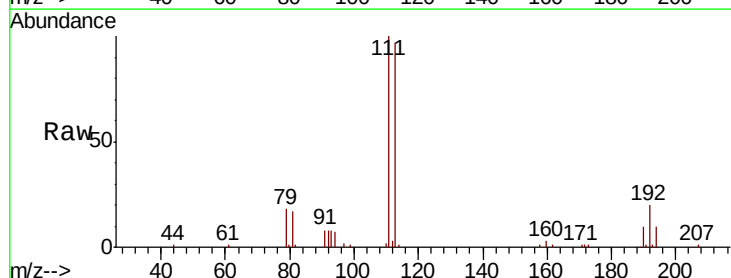


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

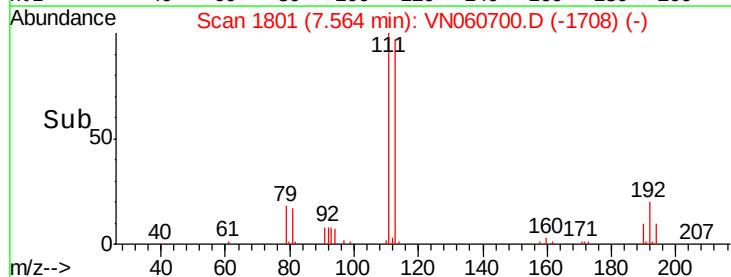
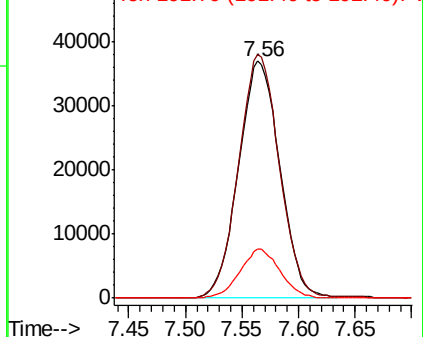


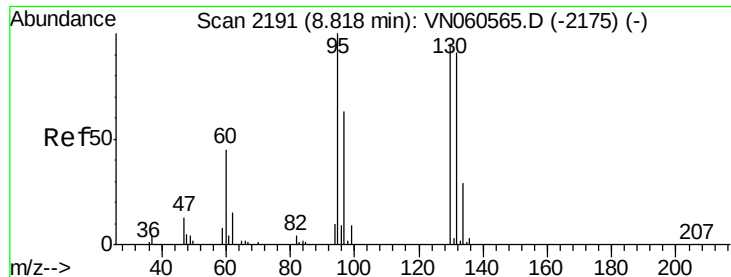
#35  
 Dibromofluoromethane  
 Concen: 49.430 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060700.D  
 Acq: 25 Mar 2020 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 82.9  | 124.3 |
| 192     | 19.9  | 15.8  | 23.8  |



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





#44

Trichloroethene

Concen: 18.155 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

Instrument :

MSVOA\_N

ClientSampleId :

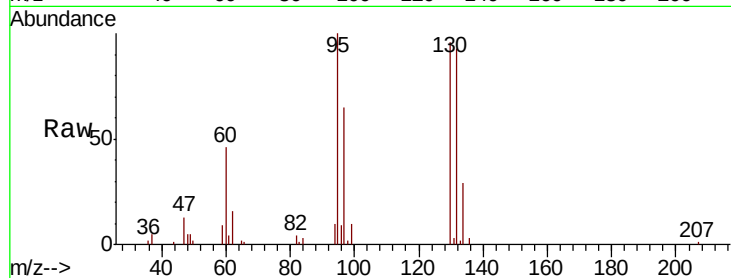
MW203D-20200315

Tot Ion:130 Resp: 42080

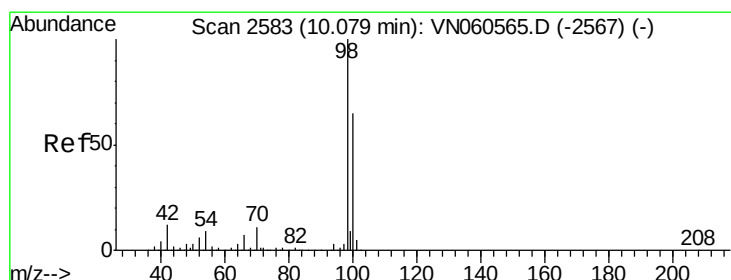
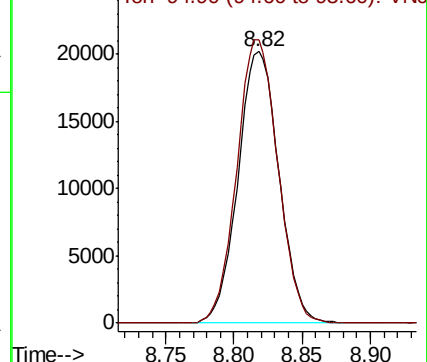
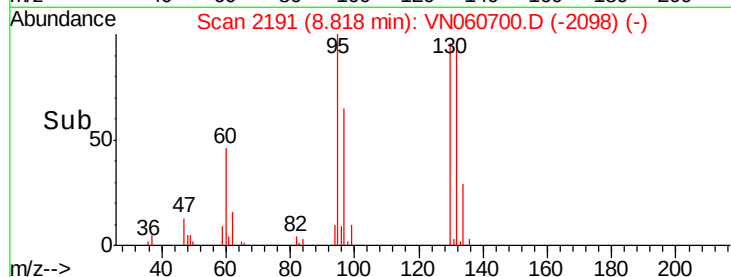
Ion Ratio Lower Upper

130 100

95 104.1 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060700.D (-2098) (-)



#50

Toluene-d8

Concen: 49.574 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060700.D

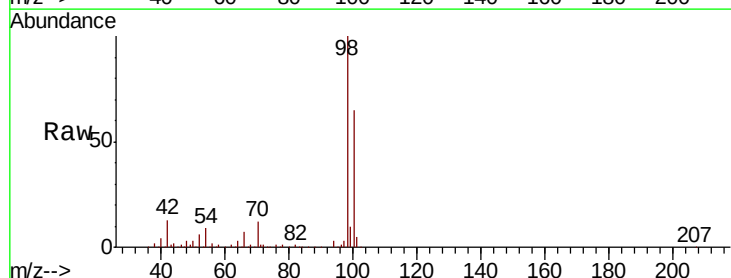
Acq: 25 Mar 2020 16:22

Tgt Ion: 98 Resp: 385138

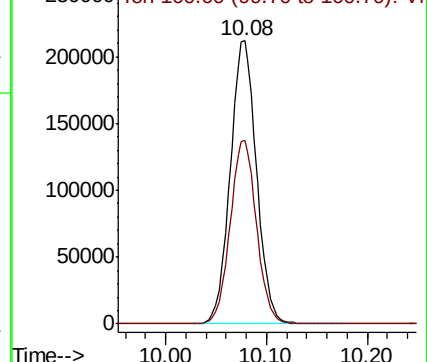
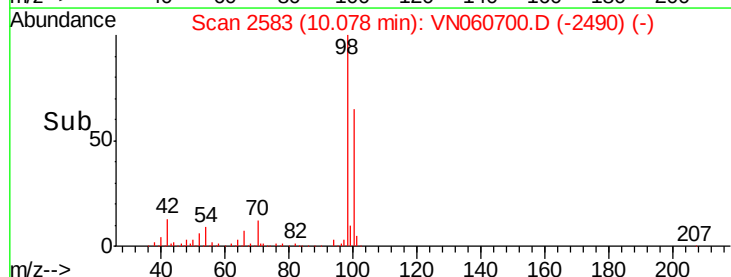
Ion Ratio Lower Upper

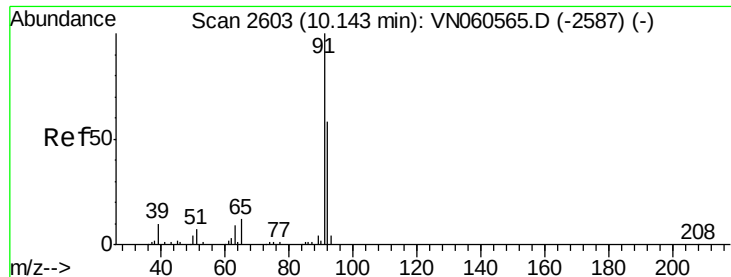
98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060700.D (-2490) (-)





#52

Toluene

Concen: 0.582 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

Instrument :

MSVOA\_N

ClientSampleId :

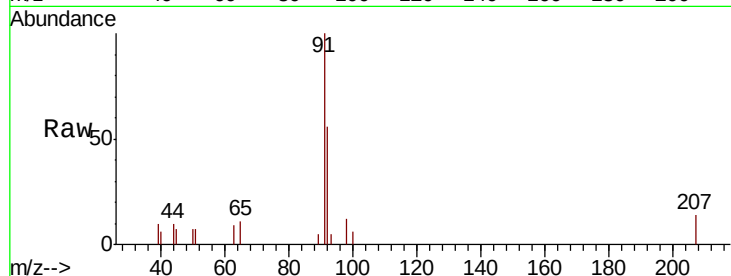
MW203D-20200315

Tot Ion: 92 Resp: 3234

Ion Ratio Lower Upper

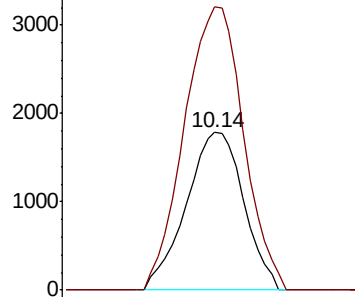
92 100

91 184.8 137.6 206.4

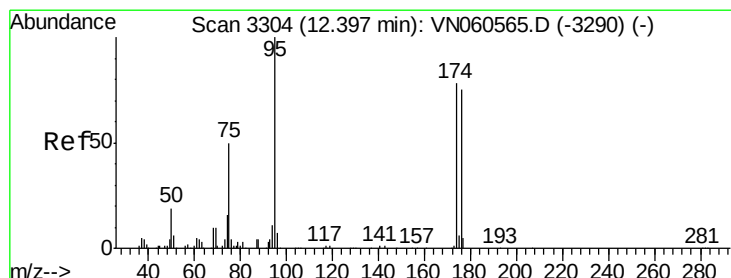
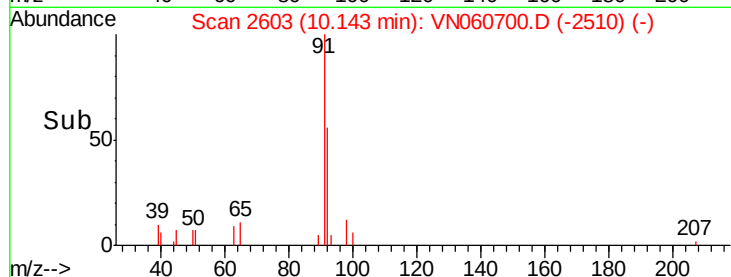


Abundance Ion 92.00 (91.70 to 92.70): VN060700.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060700.D (-2510) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 50.396 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

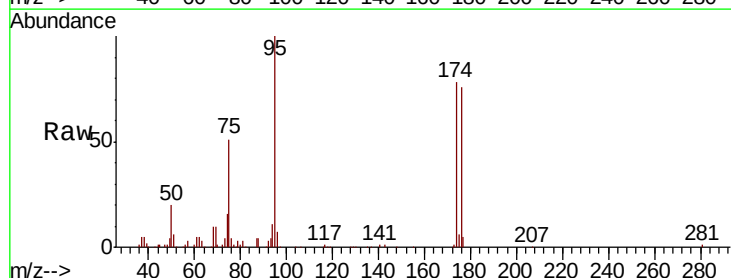
Tgt Ion: 95 Resp: 143487

Ion Ratio Lower Upper

95 100

174 78.2 0.0 157.6

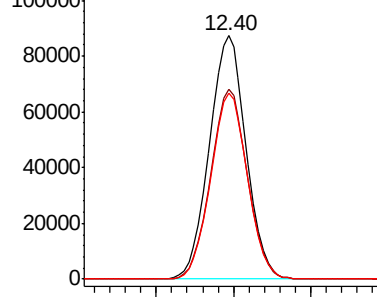
176 76.8 0.0 150.6



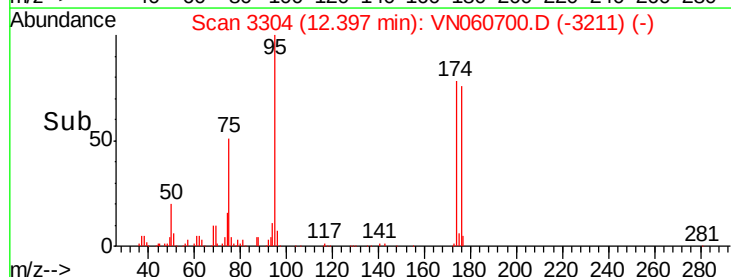
Abundance Ion 94.90 (94.60 to 95.60): VN060700.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060700.D (-3211) (-)

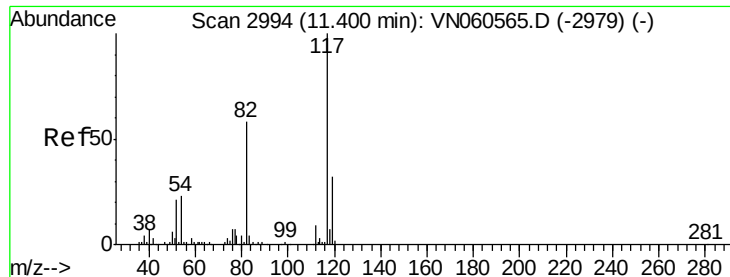
Ion 175.80 (175.50 to 176.50): VN060700.D (-3211) (-)



Time-->



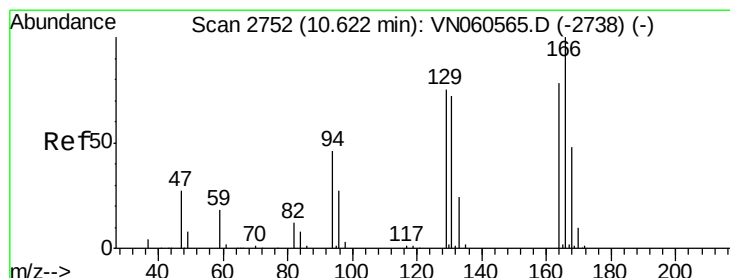
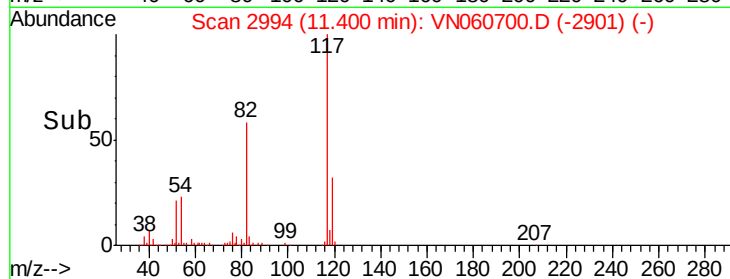
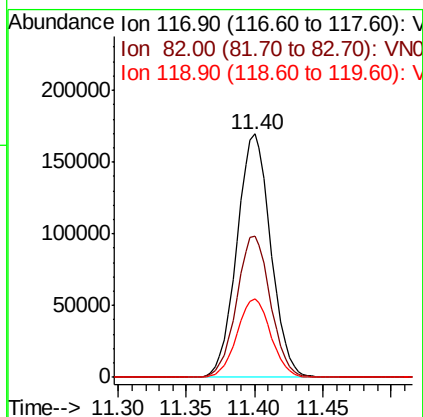
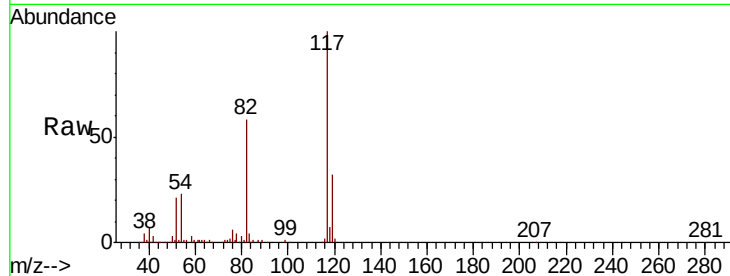




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060700.D  
Acq: 25 Mar 2020 16:22

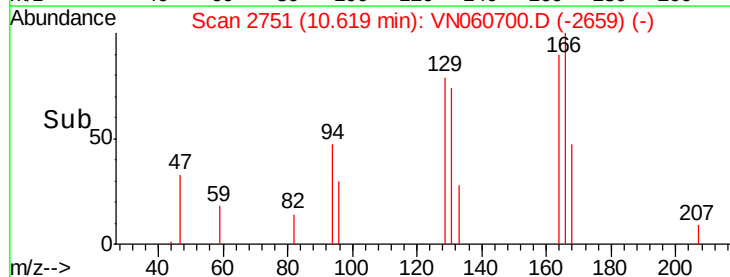
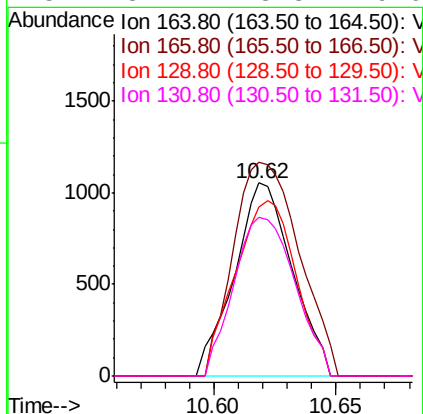
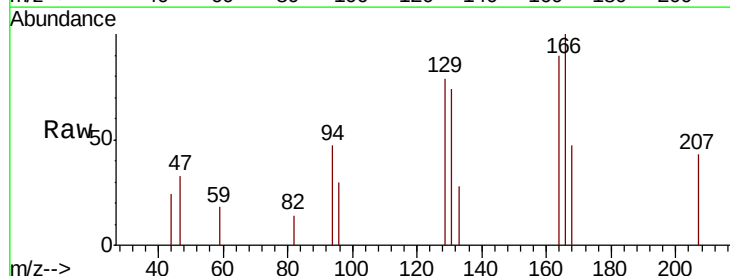
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW203D-20200315

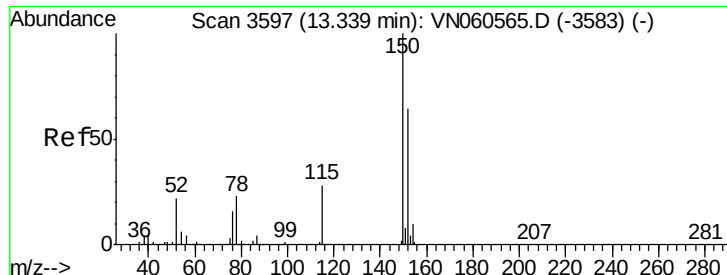
Tot Ion:117 Resp: 291929  
Ion Ratio Lower Upper  
117 100  
82 58.0 46.7 70.1  
119 32.2 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.756 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN060700.D  
Acq: 25 Mar 2020 16:22

Tgt Ion:164 Resp: 1736  
Ion Ratio Lower Upper  
164 100  
166 110.5 102.7 154.1  
129 87.5 77.2 115.8  
131 82.2 73.8 110.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060700.D

Acq: 25 Mar 2020 16:22

Instrument :

MSVOA\_N

ClientSampleId :

MW203D-20200315

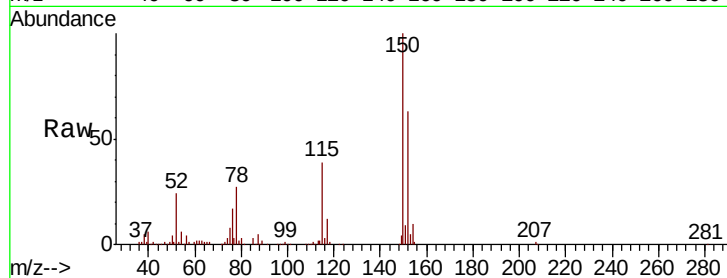
Tot Ion:152 Resp: 135316

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

150 157.5 0.0 350.2



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

