

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
 Data File : VN060593.D  
 Acq On : 18 Mar 2020 15:40  
 Operator : JC/MD  
 Sample : L1917-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-720

Quant Time: Mar 19 06:56:33 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

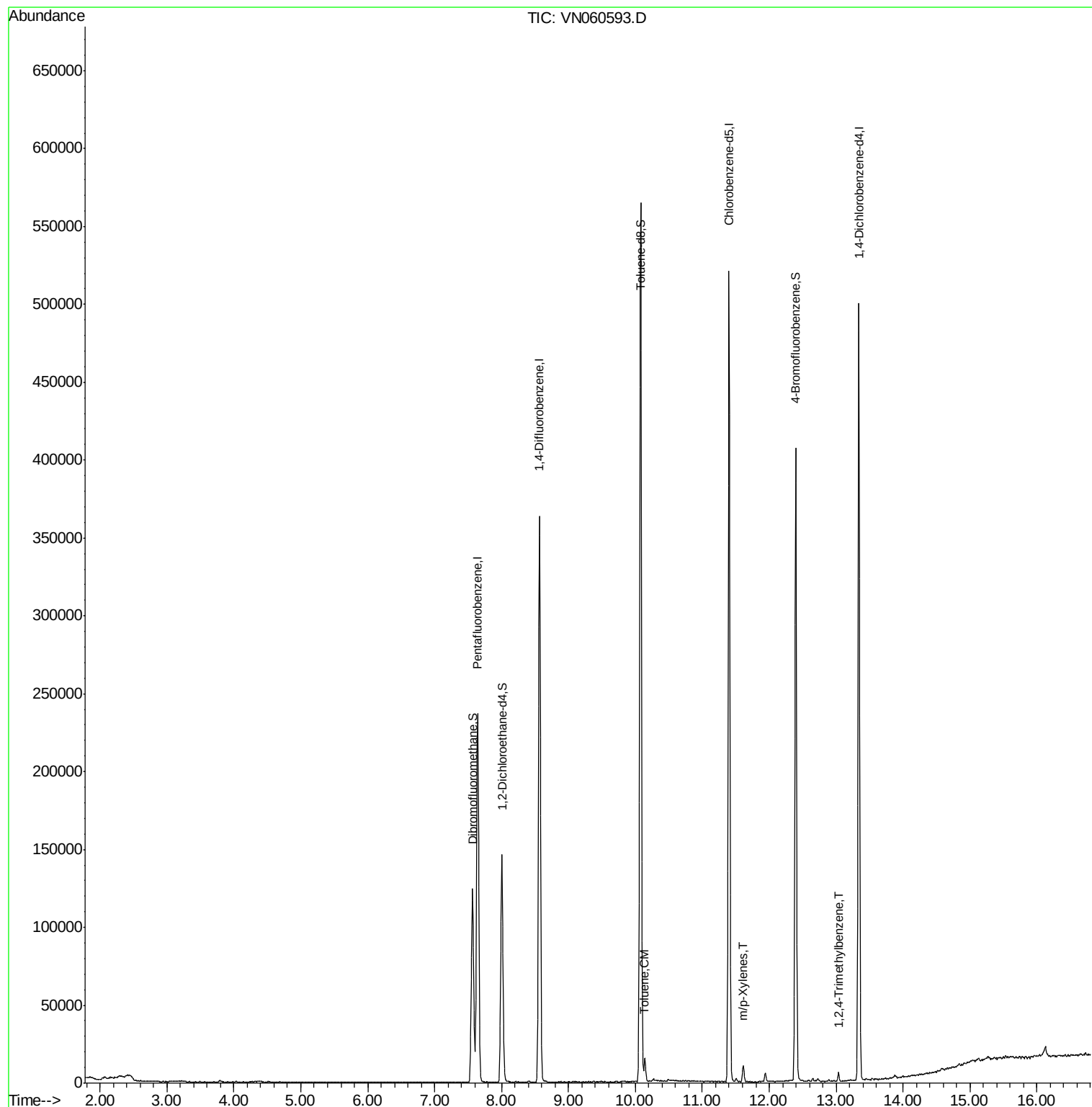
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 195266   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 320715   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 294766   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 130513   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 124997   | 46.63 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.26% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 94100    | 48.52 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.04% |          |
| 50) Toluene-d8              | 10.08 | 98   | 393998   | 49.74 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.48% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 145116   | 49.99 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.98% |          |
| Target Compounds            |       |      |          |       |        |          |
| 52) Toluene                 | 10.14 | 92   | 6366     | 1.124 | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.61 | 106  | 3477     | 0.861 | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.04 | 105  | 3993     | 0.486 | ug/l   | 90       |

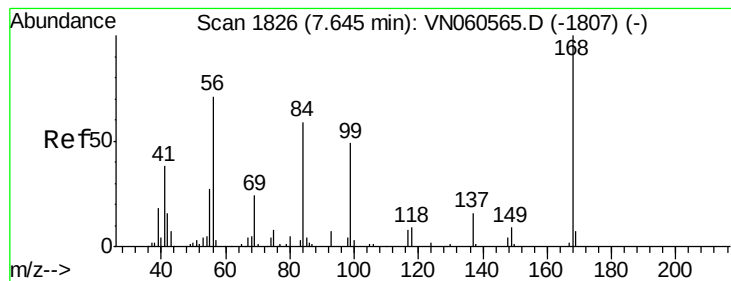
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
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ClientSampleId :  
MH-720

Quant Time: Mar 19 06:56:33 2020  
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: VN060593.D

Acq: 18 Mar 2020 15:40

Instrument :

MSVOA\_N

ClientSampleId :

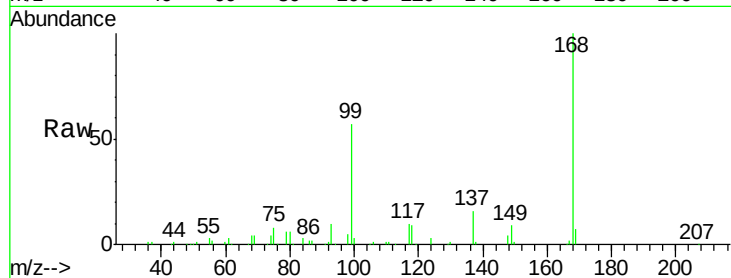
MH-720

Tot Ion:168 Resp: 195266

Ion Ratio Lower Upper

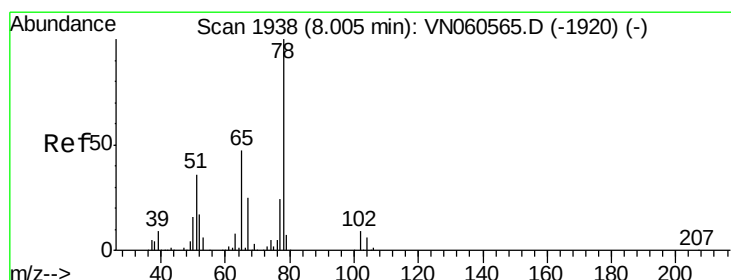
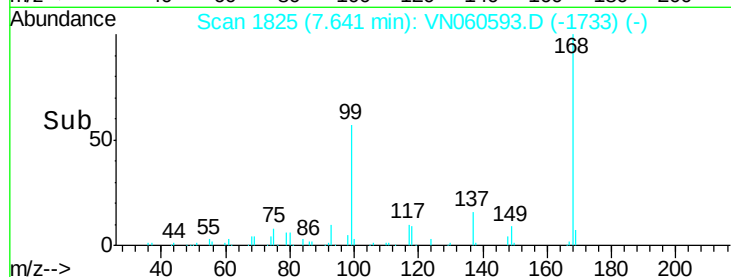
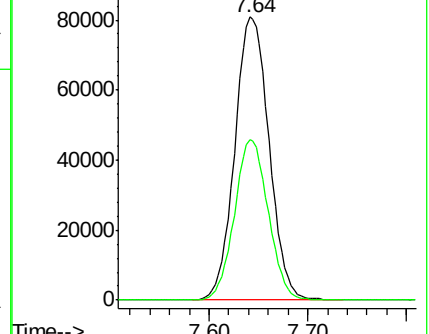
168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 46.631 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060593.D

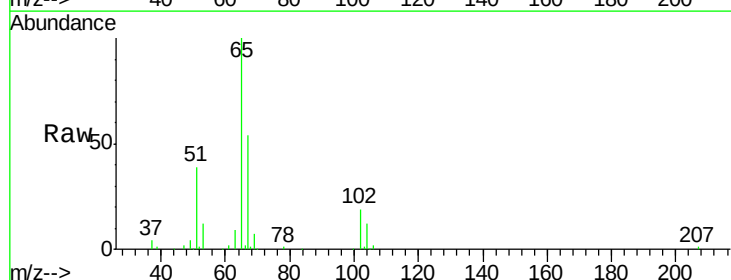
Acq: 18 Mar 2020 15:40

Tgt Ion: 65 Resp: 124997

Ion Ratio Lower Upper

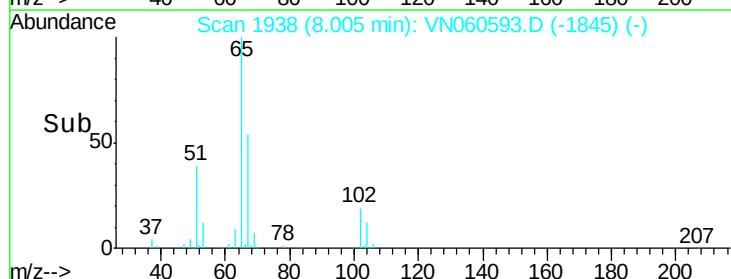
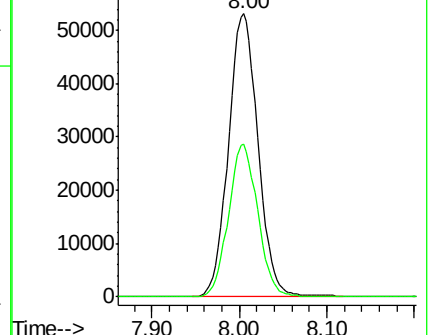
65 100

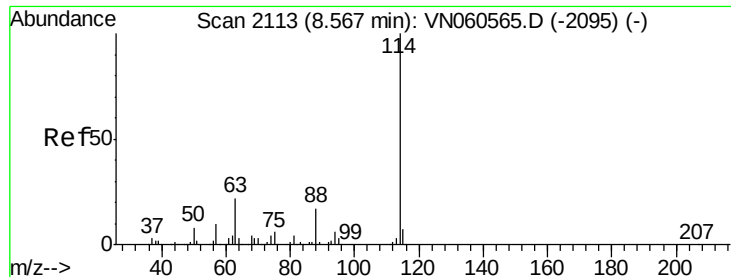
67 53.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

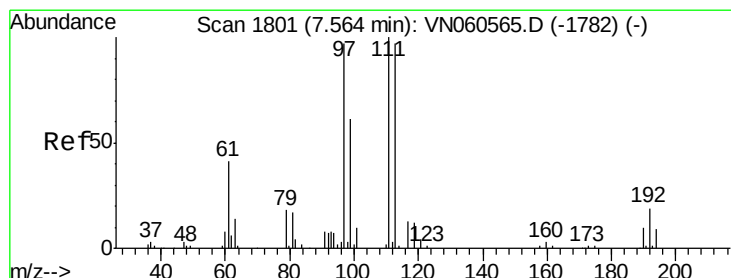
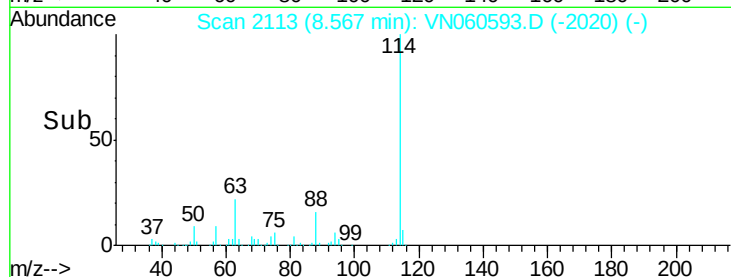
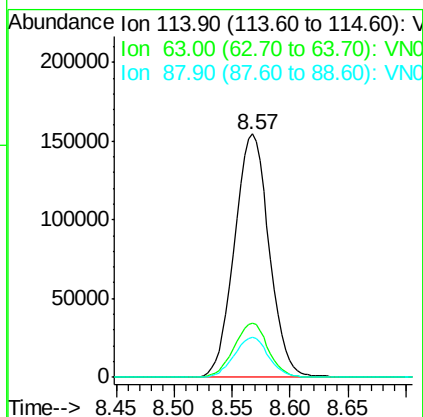
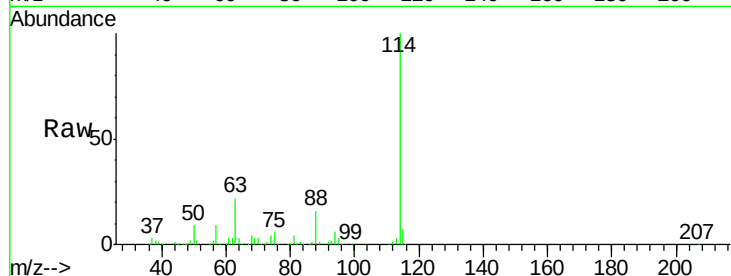




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060593.D  
 Acq: 18 Mar 2020 15:40

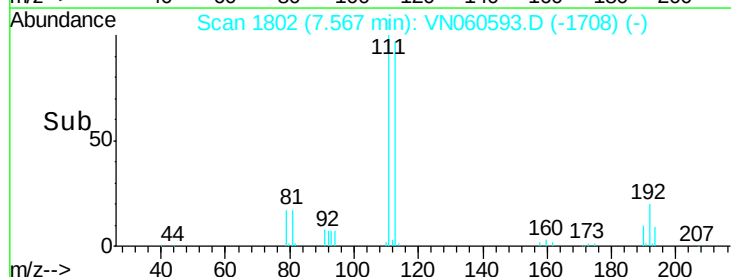
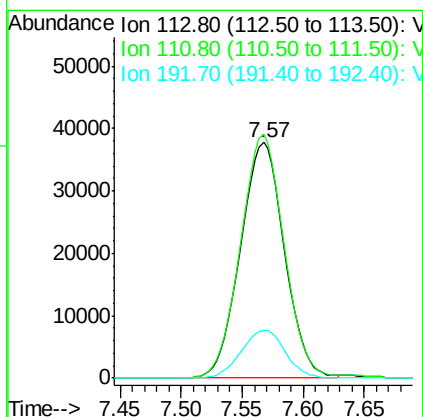
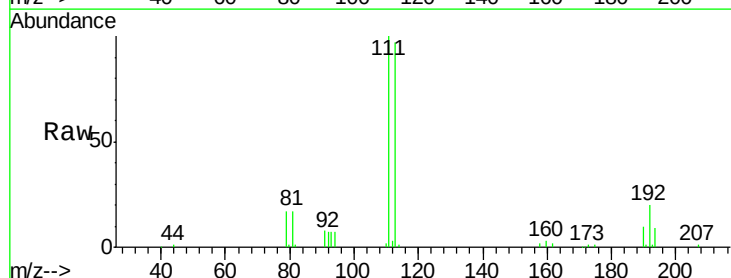
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-720

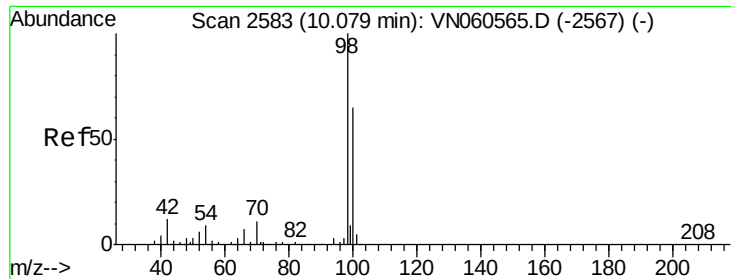
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.3  | 0.0   | 43.8  |
| 88      | 16.2  | 0.0   | 33.0  |



#35  
 Dibromofluoromethane  
 Concen: 48.524 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN060593.D  
 Acq: 18 Mar 2020 15:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.9  | 124.3 |
| 192     | 20.4  | 15.8  | 23.8  |

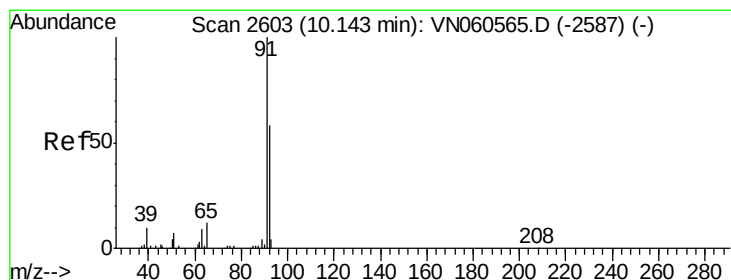
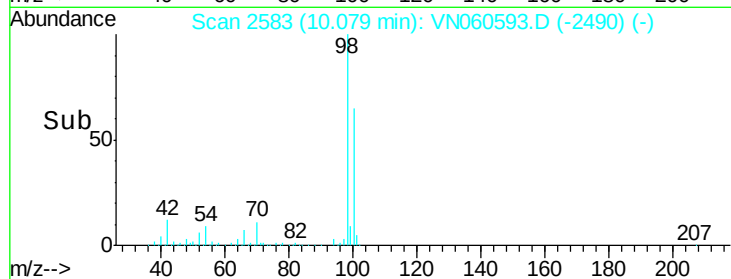
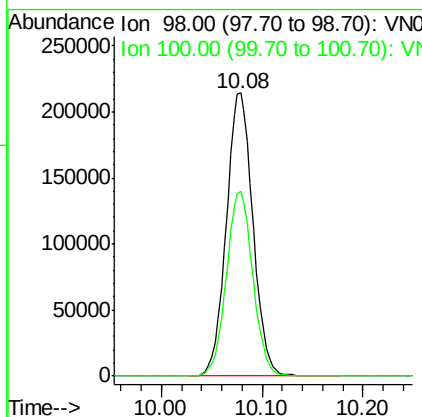
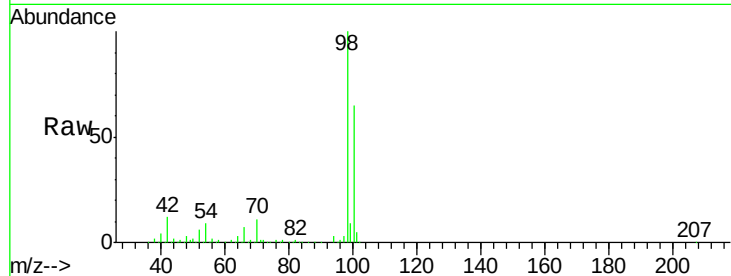




#50  
Toluene-d8  
Concen: 49.740 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN060593.D  
Acq: 18 Mar 2020 15:40

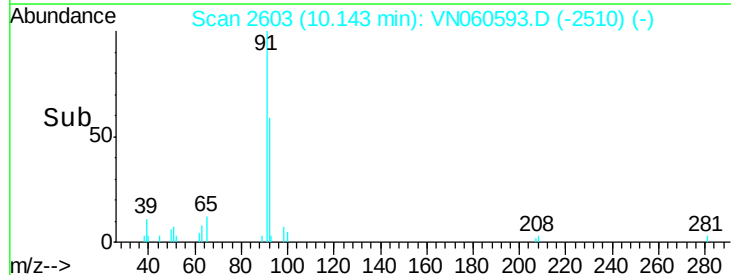
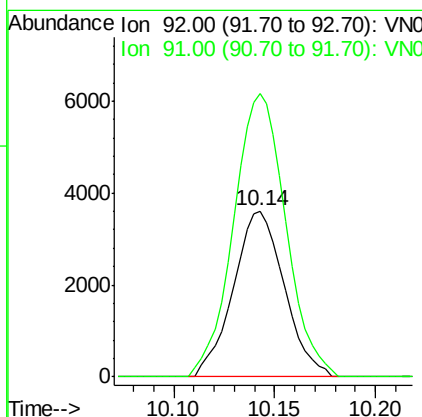
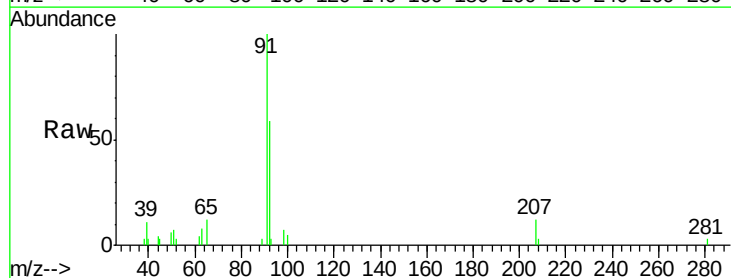
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-720

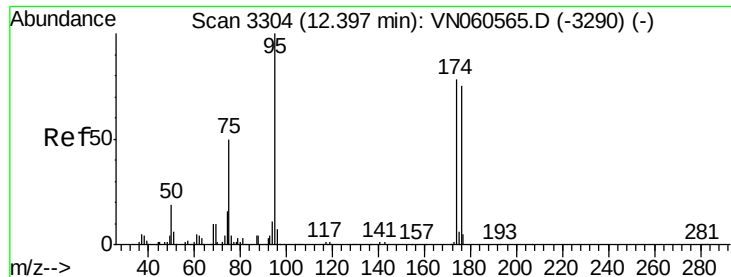
Tot Ion: 98 Resp: 393998  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.8



#52  
Toluene  
Concen: 1.124 ug/l  
RT: 10.14 min Scan# 2603  
Delta R.T. -0.00 min  
Lab File: VN060593.D  
Acq: 18 Mar 2020 15:40

Tgt Ion: 92 Resp: 6366  
Ion Ratio Lower Upper  
92 100  
91 175.0 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 49.989 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060593.D

Acq: 18 Mar 2020 15:40

Instrument :

MSVOA\_N

ClientSampled :

MH-720

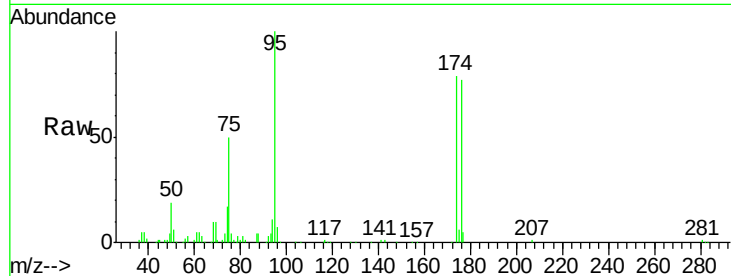
Tot Ion: 95 Resp: 145116

Ion Ratio Lower Upper

95 100

174 77.3 0.0 157.6

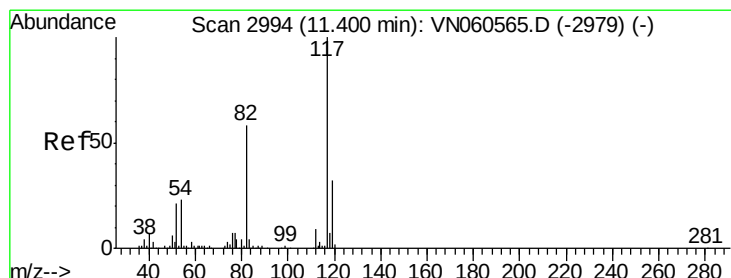
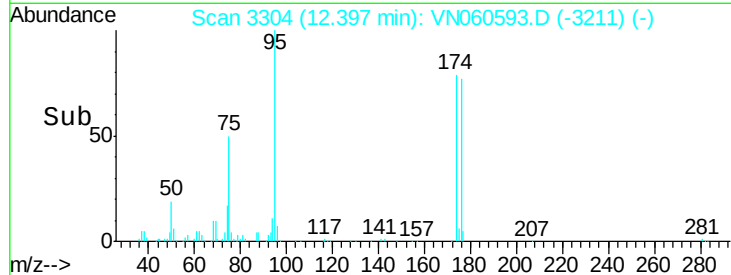
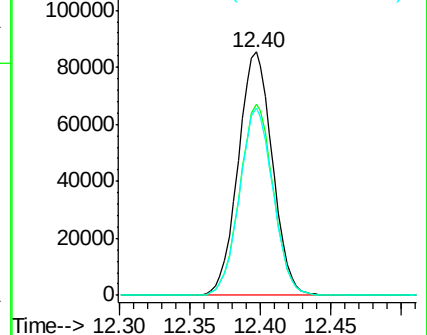
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060593.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060593.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060593.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060593.D

Acq: 18 Mar 2020 15:40

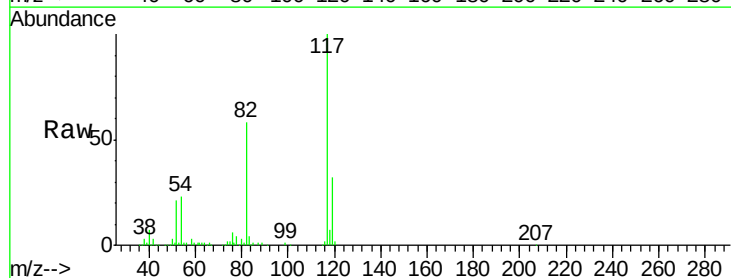
Tgt Ion: 117 Resp: 294766

Ion Ratio Lower Upper

117 100

82 57.9 46.7 70.1

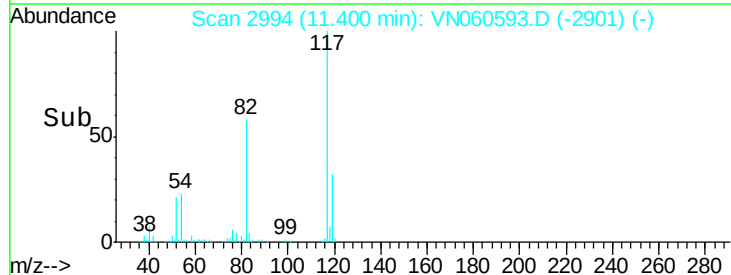
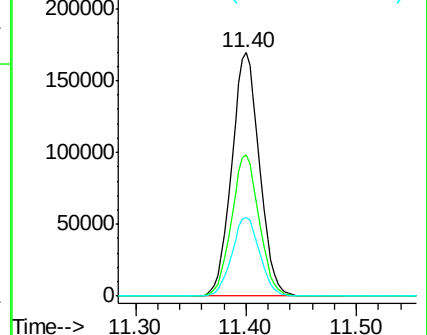
119 32.5 25.5 38.3

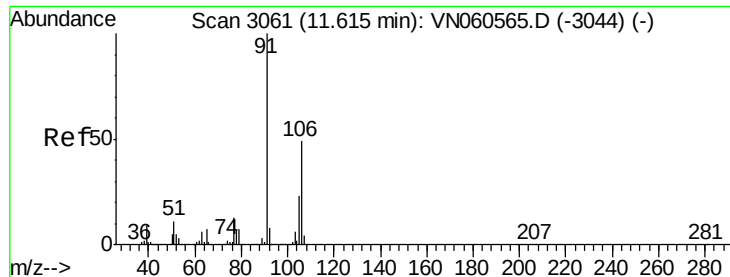


Abundance Ion 116.90 (116.60 to 117.60): VN060593.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060593.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060593.D (-2901) (-)





#68

m/p-Xvlenes

Concen: 0.861 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060593.D

Acq: 18 Mar 2020 15:40

Instrument :

MSVOA\_N

ClientSampleId :

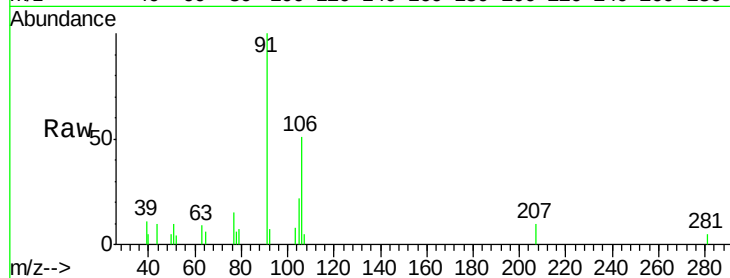
MH-720

Tot Ion:106 Resp: 3477

Ion Ratio Lower Upper

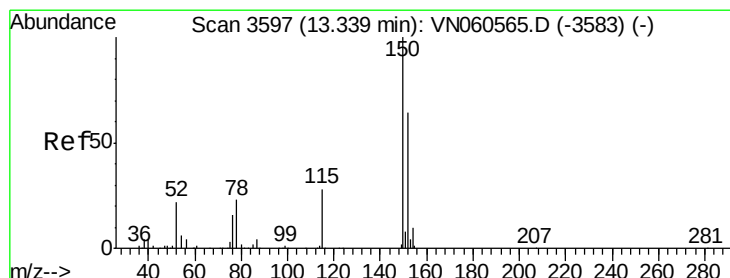
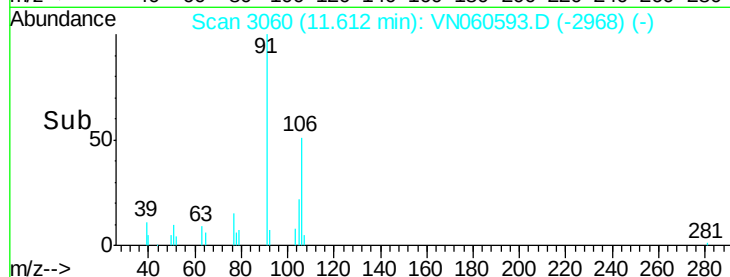
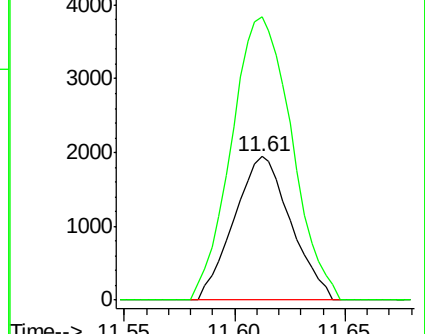
106 100

91 209.3 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060593.D

Acq: 18 Mar 2020 15:40

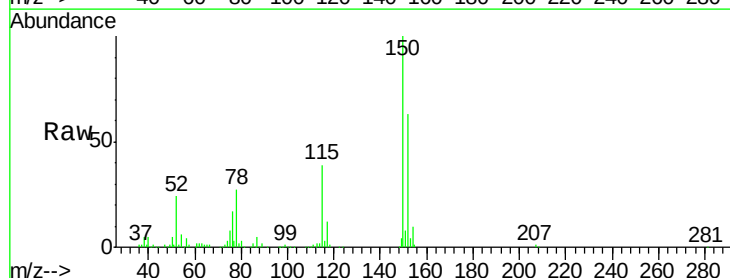
Tgt Ion:152 Resp: 130513

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

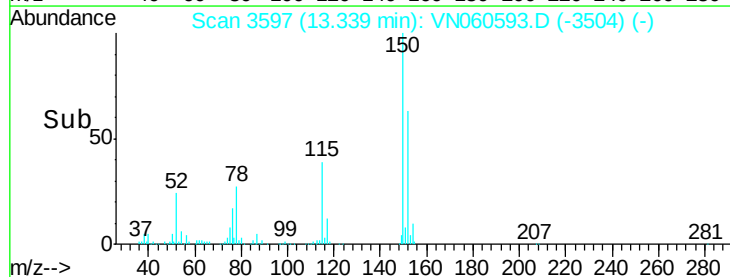
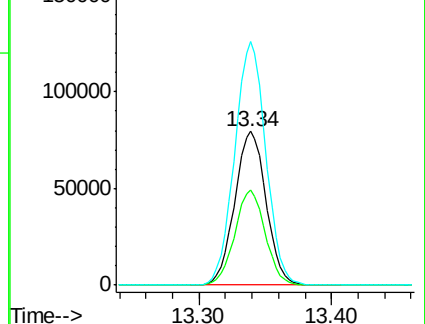
150 157.2 0.0 350.2

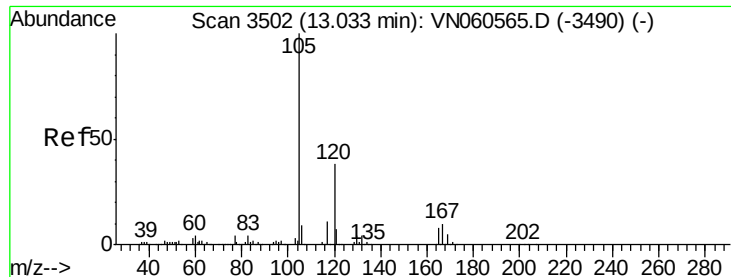


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.486 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.00 min  
 Lab File: VN060593.D  
 Acq: 18 Mar 2020 15:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-720

Tot Ion:105 Resp: 3993  
 Ion Ratio Lower Upper  
 105 100  
 120 37.7 22.1 66.5

