

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\  
 Data File : VN061296.D  
 Acq On : 5 May 2020 16:51  
 Operator : JC/MD  
 Sample : L2514-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1

Quant Time: May 06 05:54:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 07:01:08 2020  
 Response via : Initial Calibration

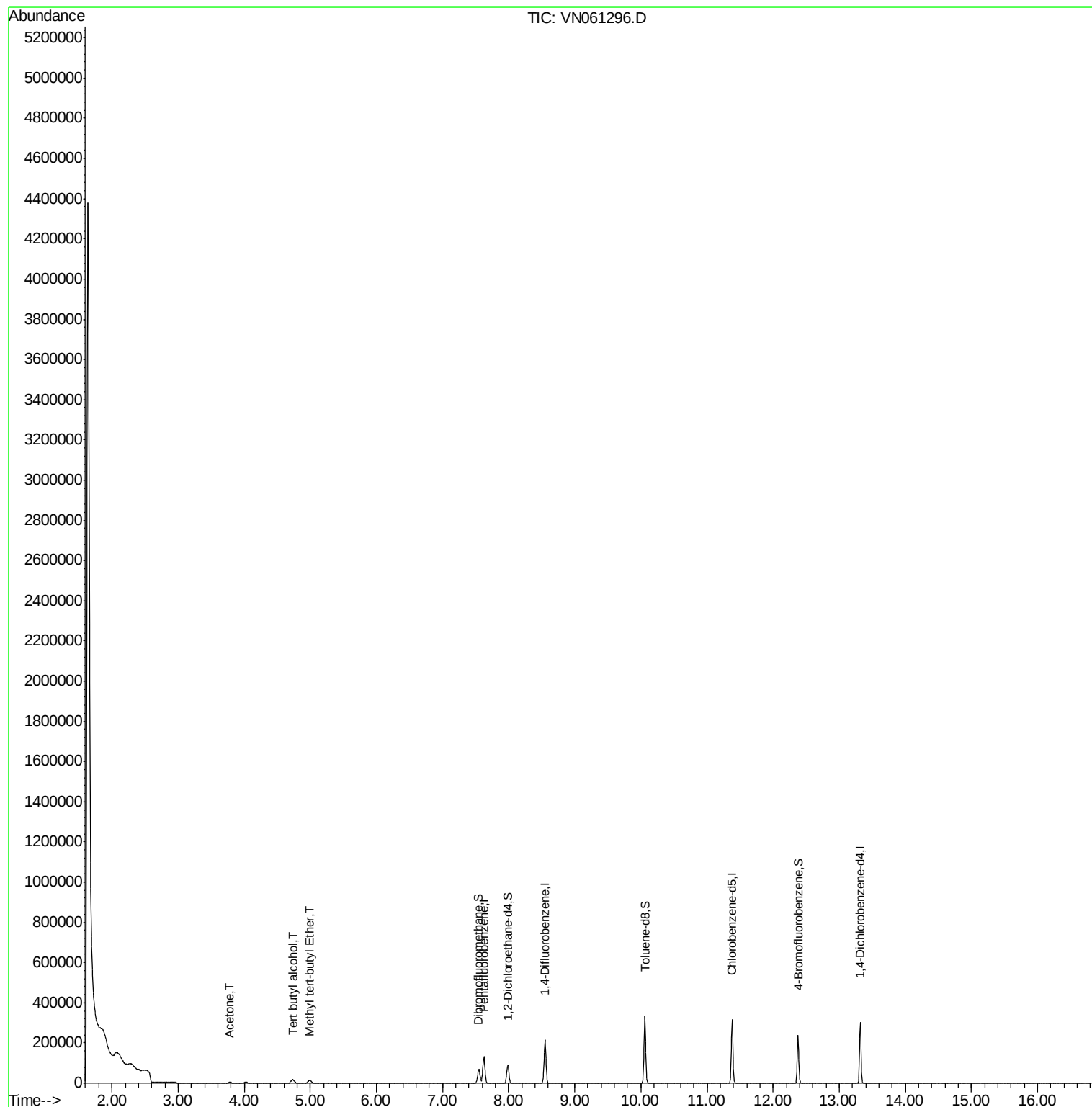
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.63   | 168  | 97656    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55   | 114  | 177610   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38  | 117  | 165218   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32  | 152  | 74500    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65   | 80989    | 52.41   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 104.82% |          |
| 35) Dibromofluoromethane    | 7.55   | 113  | 52917    | 50.39   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 100.78% |          |
| 50) Toluene-d8              | 10.06  | 98   | 217669   | 50.84   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 101.68% |          |
| 62) 4-Bromofluorobenzene    | 12.38  | 95   | 80988    | 50.27   | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 100.54% |          |
| Target Compounds            |        |      |          |         |         |          |
| 11) Tert butyl alcohol      | 4.73   | 59   | 31687    | 153.082 | ug/l    | 99       |
| 16) Acetone                 | 3.78   | 43   | 8123     | 8.250   | ug/l    | 94       |
| 19) Methyl tert-butyl Ether | 4.99   | 73   | 20767    | 5.275   | ug/l    | 100      |

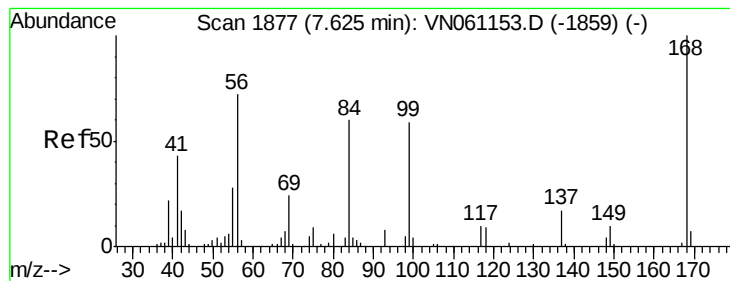
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-1

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Quant Title : SW846 8260  
QLast Update : Tue May 05 07:01:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA\_N

ClientSampleId :

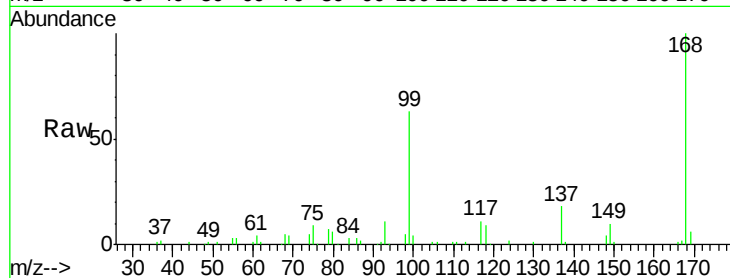
MW-1

Tot Ion:168 Resp: 97656

Ion Ratio Lower Upper

168 100

99 63.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

30000

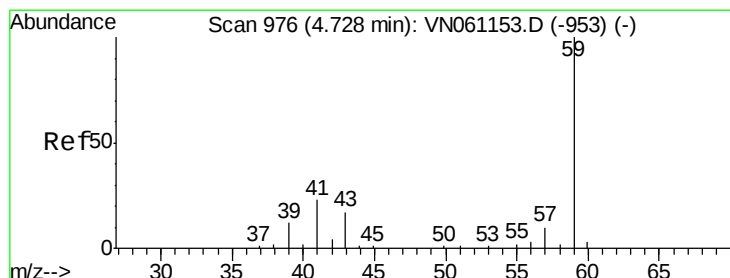
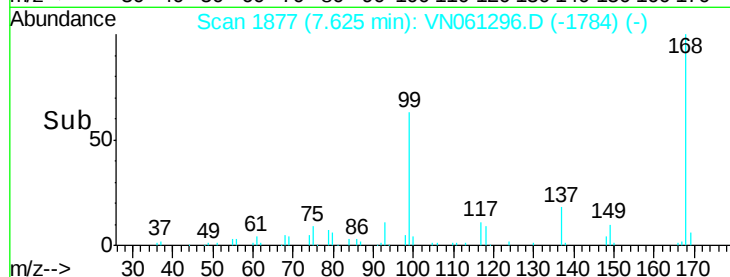
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 153.082 ug/l

RT: 4.73 min Scan# 978

Delta R.T. 0.01 min

Lab File: VN061296.D

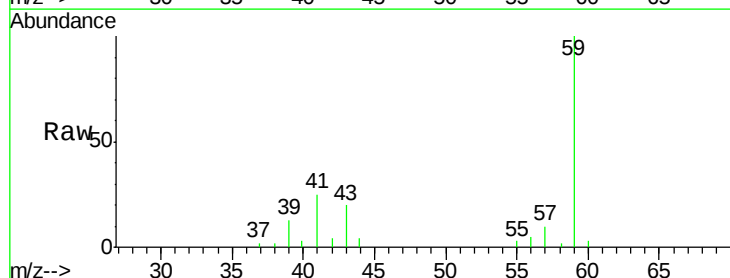
Acq: 5 May 2020 16:51

Tgt Ion: 59 Resp: 31687

Ion Ratio Lower Upper

59 100

57 9.9 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

10000

8000

6000

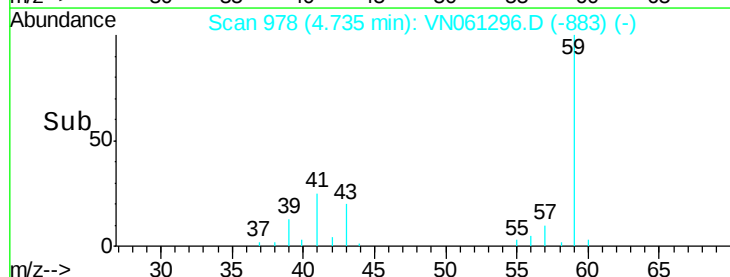
4000

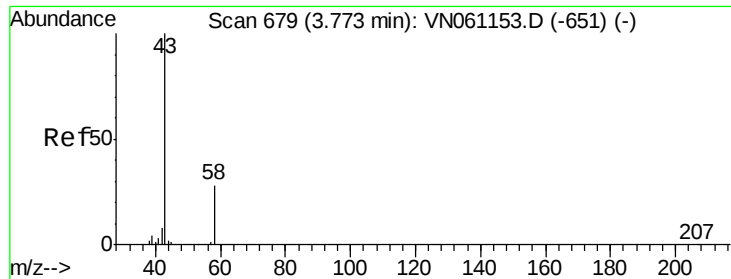
2000

0

4.60 4.70 4.80

Time-->

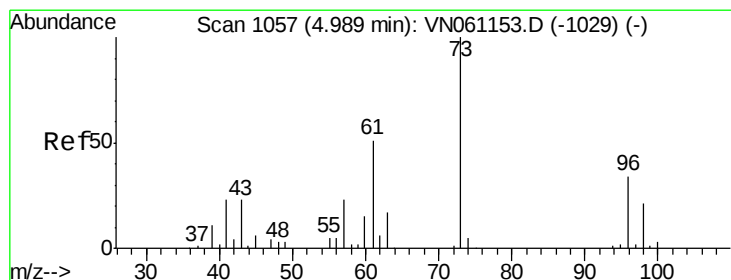
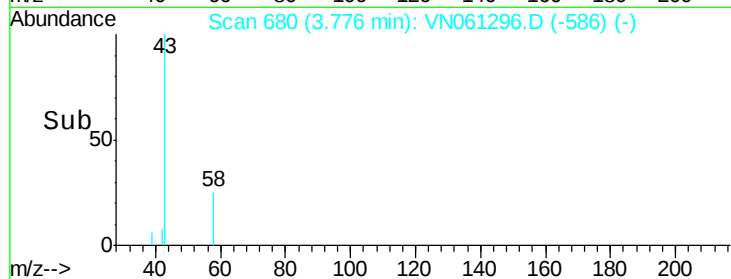
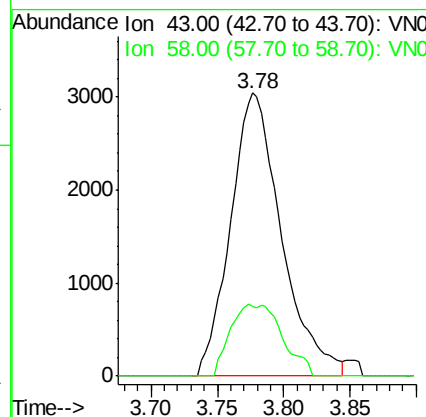
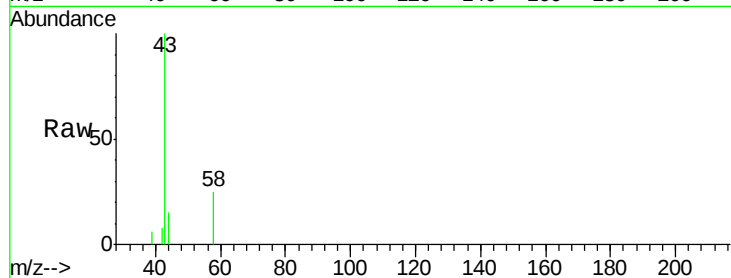




#16  
Acetone  
Concen: 8.250 ug/l  
RT: 3.78 min Scan# 680  
Delta R.T. 0.00 min  
Lab File: VN061296.D  
Acq: 5 May 2020 16:51

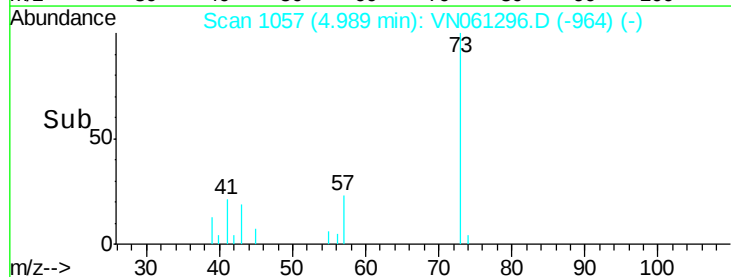
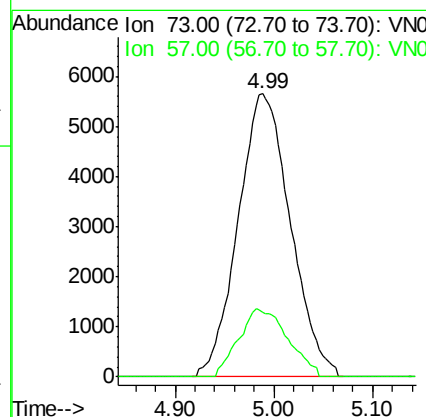
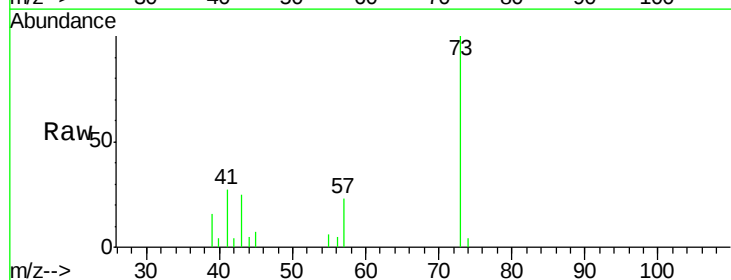
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-1

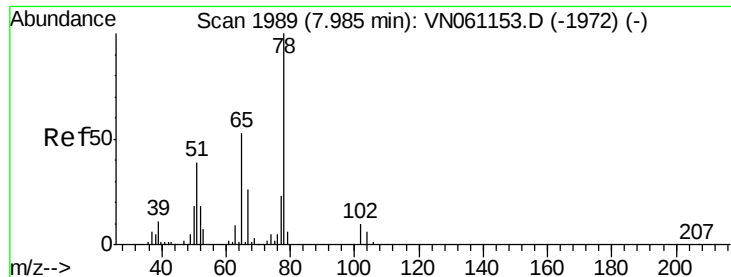
Tot Ion: 43 Resp: 8123  
Ion Ratio Lower Upper  
43 100  
58 24.8 22.2 33.2



#19  
Methyl tert-butyl Ether  
Concen: 5.275 ug/l  
RT: 4.99 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: VN061296.D  
Acq: 5 May 2020 16:51

Tgt Ion: 73 Resp: 20767  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.3 27.5

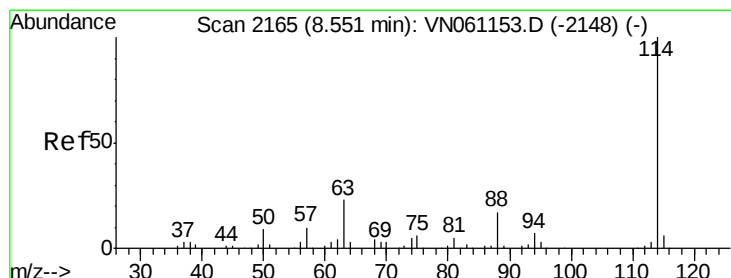
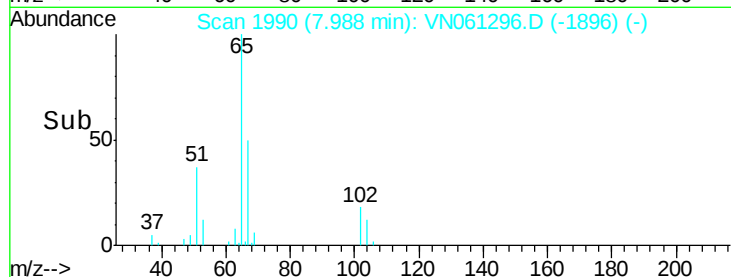
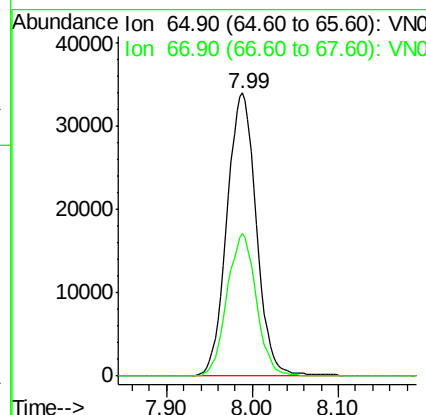
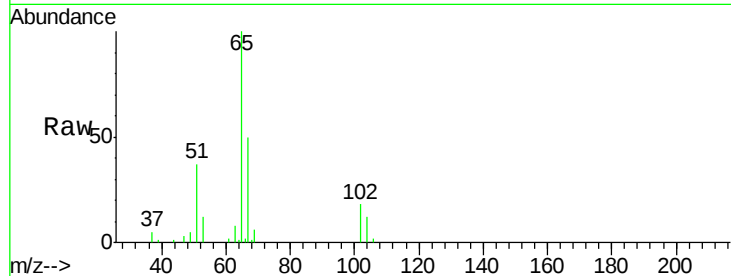




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.413 ug/l  
 RT: 7.99 min Scan# 1990  
 Delta R.T. 0.00 min  
 Lab File: VN061296.D  
 Acq: 5 May 2020 16:51

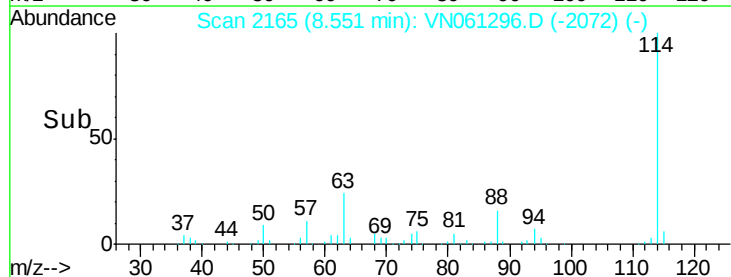
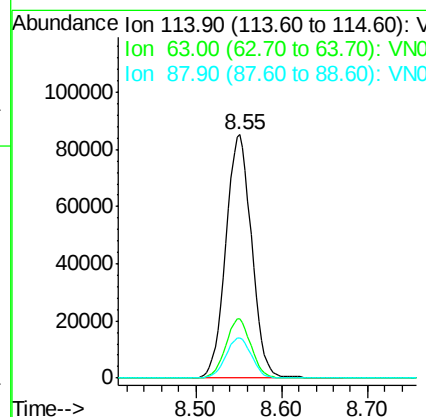
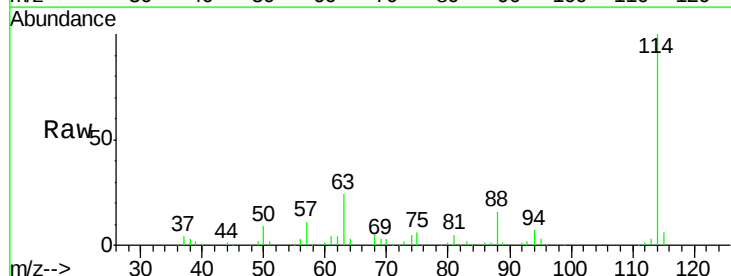
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1

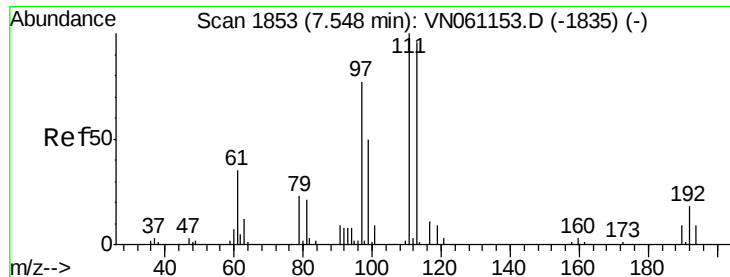
Tot Ion: 65 Resp: 80989  
 Ion Ratio Lower Upper  
 65 100  
 67 49.7 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VN061296.D  
 Acq: 5 May 2020 16:51

Tgt Ion: 114 Resp: 177610  
 Ion Ratio Lower Upper  
 114 100  
 63 24.3 0.0 46.6  
 88 16.4 0.0 33.4

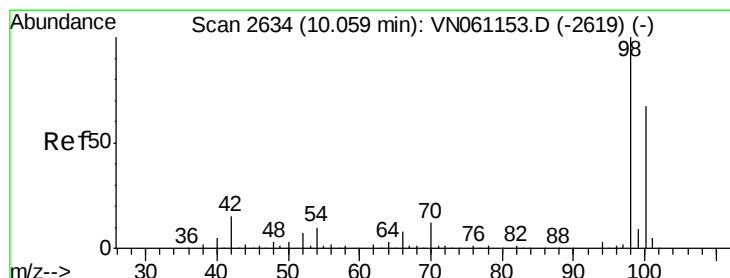
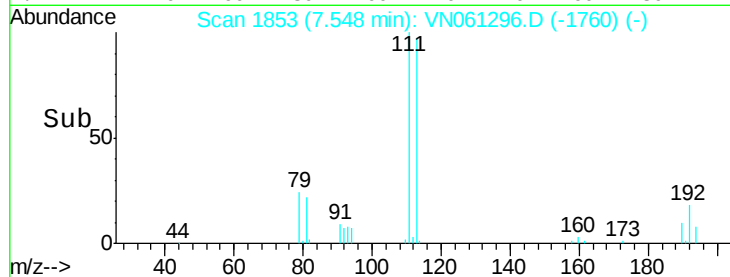
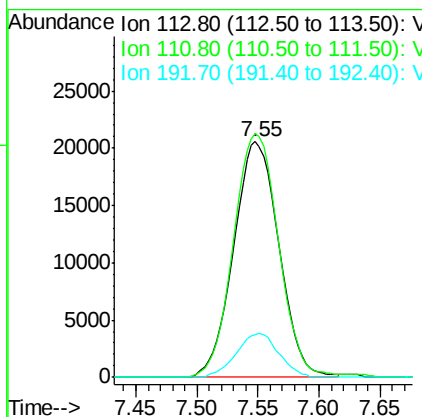
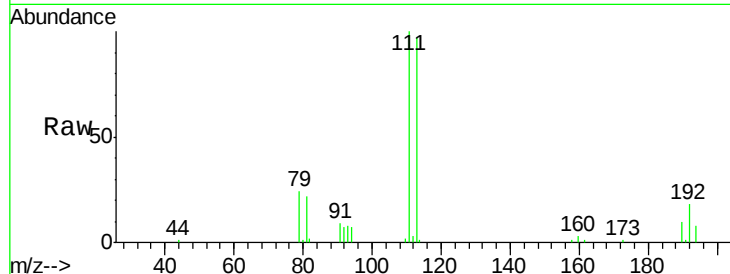




#35  
 Dibromofluoromethane  
 Concen: 50.385 ug/l  
 RT: 7.55 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VN061296.D  
 Acq: 5 May 2020 16:51

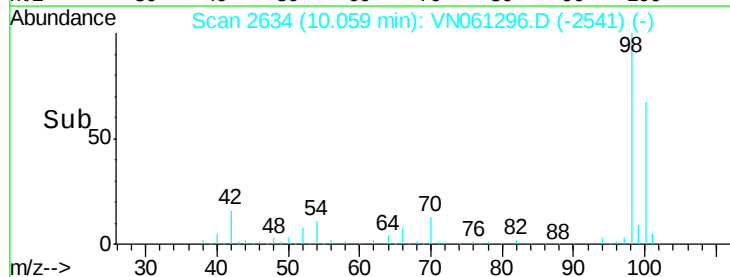
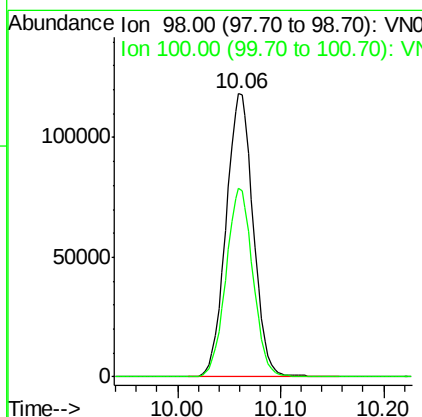
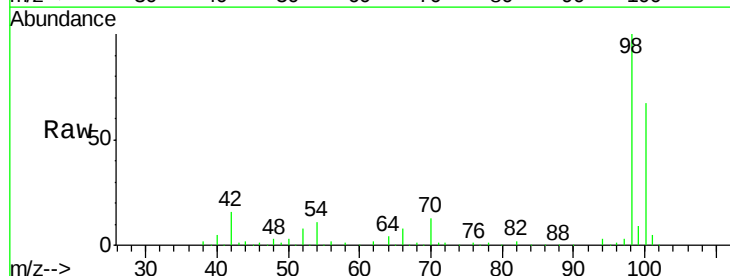
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-1

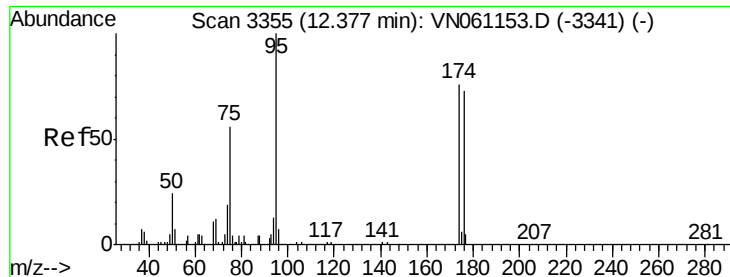
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 82.9  | 124.3 |
| 192     | 17.4  | 14.7  | 22.1  |



#50  
 Toluene-d8  
 Concen: 50.841 ug/l  
 RT: 10.06 min Scan# 2634  
 Delta R.T. 0.00 min  
 Lab File: VN061296.D  
 Acq: 5 May 2020 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.1  | 53.4  | 80.0  |





#62

4-Bromofluorobenzene

Concen: 50.267 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA\_N

ClientSampleId :

MW-1

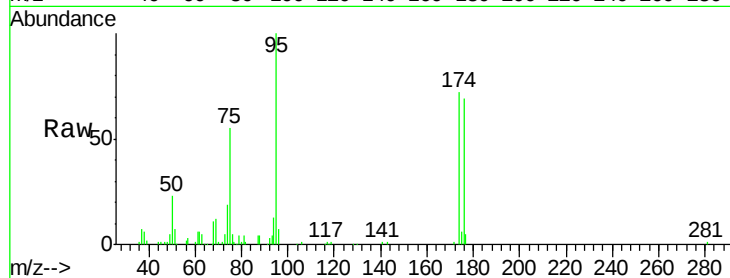
Tot Ion: 95 Resp: 80988

Ion Ratio Lower Upper

95 100

174 72.4 0.0 149.4

176 68.6 0.0 144.8

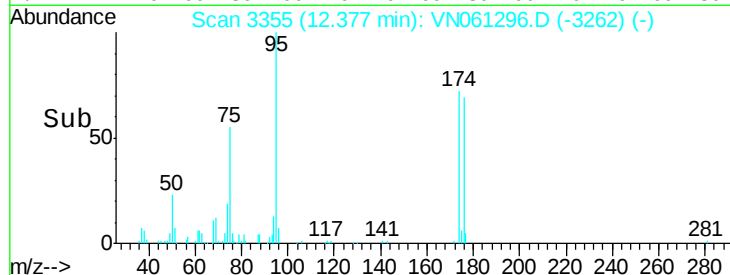


Abundance Ion 94.90 (94.60 to 95.60): VN061296.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061296.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061296.D (-2952) (-)

Time-->



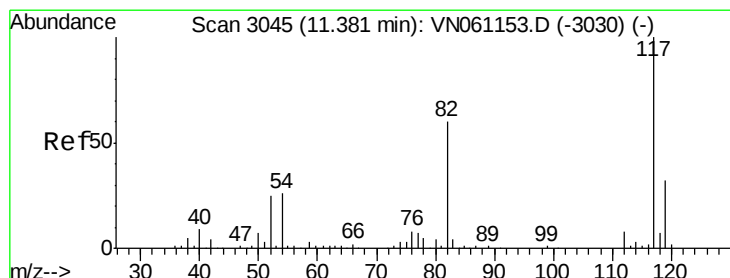
Abundance

Ion 94.90 (94.60 to 95.60): VN061296.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061296.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061296.D (-2952) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

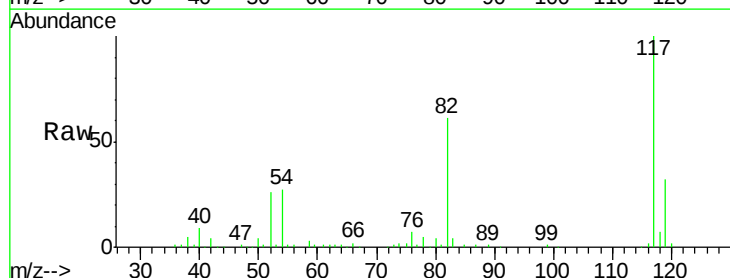
Tgt Ion: 117 Resp: 165218

Ion Ratio Lower Upper

117 100

82 60.8 47.8 71.8

119 32.5 25.8 38.6

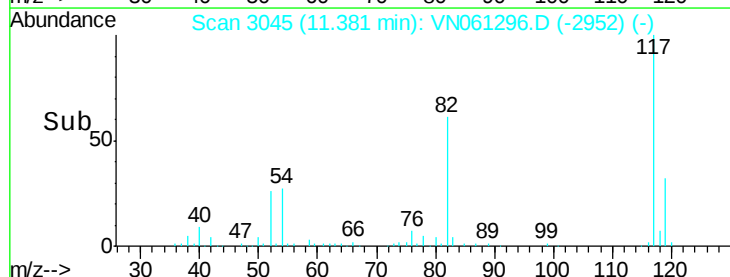


Abundance Ion 116.90 (116.60 to 117.60): VN061296.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061296.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061296.D (-2952) (-)

Time-->



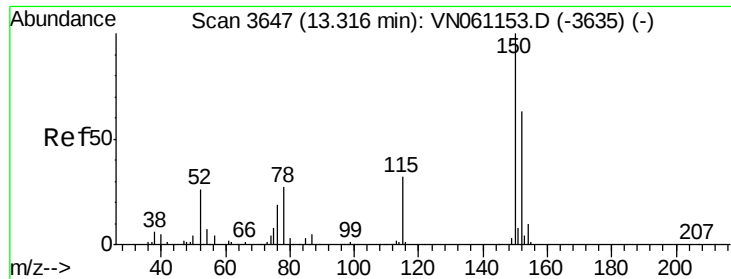
Abundance

Ion 116.90 (116.60 to 117.60): VN061296.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061296.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061296.D (-2952) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061296.D

Acq: 5 May 2020 16:51

Instrument :

MSVOA\_N

ClientSampleId :

MW-1

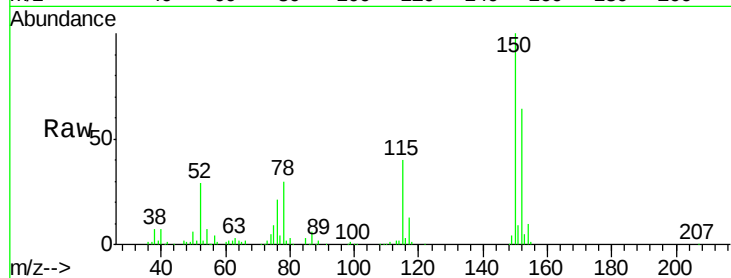
Tot Ion:152 Resp: 74500

Ion Ratio Lower Upper

152 100

115 62.9 31.0 93.0

150 157.3 0.0 351.8



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

