

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\  
 Data File : VN061299.D  
 Acq On : 5 May 2020 18:01  
 Operator : JC/MD  
 Sample : L2514-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-4

Quant Time: May 06 06:09:31 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

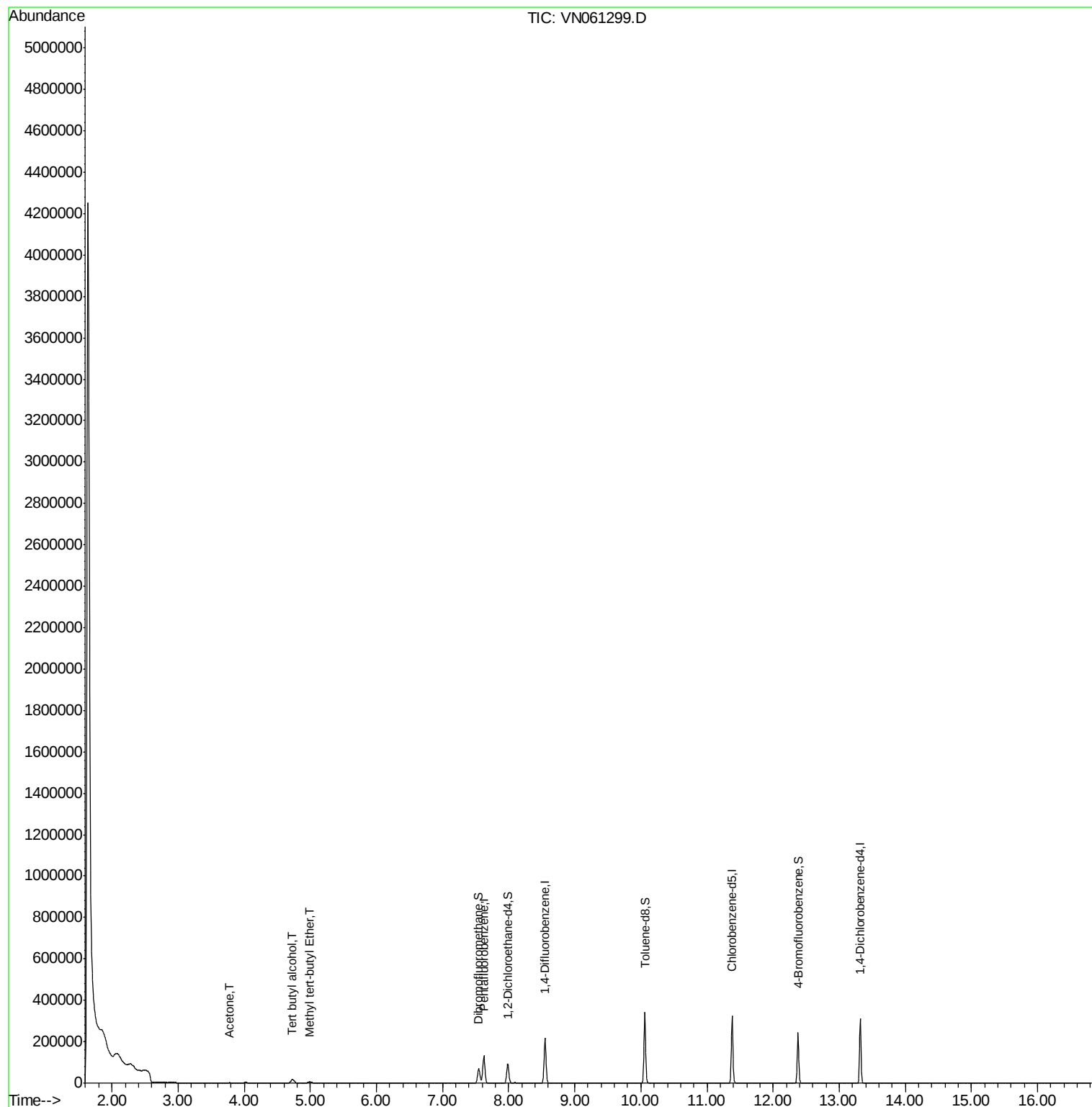
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 98618    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 179889   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 171755   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 75796    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 81397    | 52.16   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 104.32% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 53580    | 50.37   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 100.74% |          |
| 50) Toluene-d8              | 10.06 | 98   | 221027   | 50.97   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 101.94% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 81117    | 49.71   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.42%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 11) Tert butyl alcohol      | 4.73  | 59   | 34091    | 163.089 | ug/l    | 98       |
| 16) Acetone                 | 3.78  | 43   | 4722     | 2.352   | ug/l    | 96       |
| 19) Methyl tert-butyl Ether | 4.99  | 73   | 11727    | 2.950   | ug/l    | 96       |

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

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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: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA\_N

ClientSampleId :

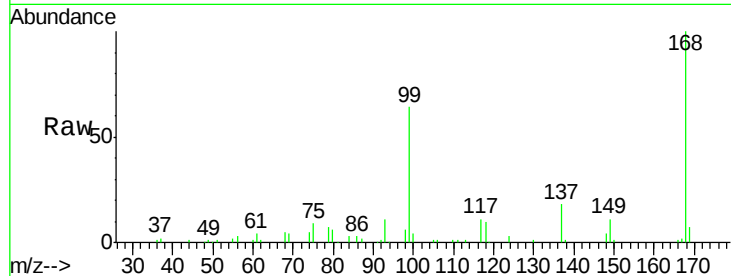
MW-4

Tot Ion:168 Resp: 98618

Ion Ratio Lower Upper

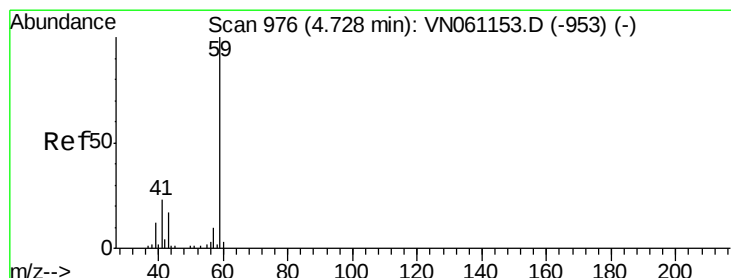
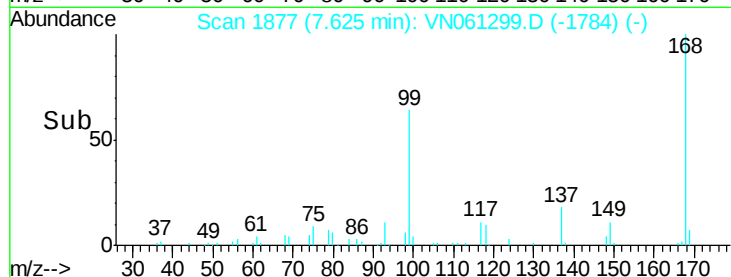
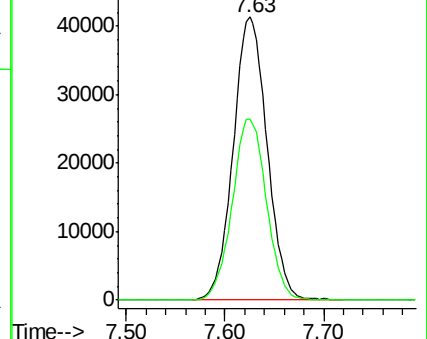
168 100

99 63.9 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 163.089 ug/l

RT: 4.73 min Scan# 976

Delta R.T. 0.00 min

Lab File: VN061299.D

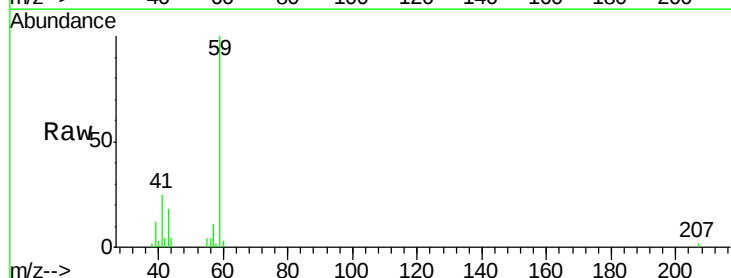
Acq: 5 May 2020 18:01

Tgt Ion: 59 Resp: 34091

Ion Ratio Lower Upper

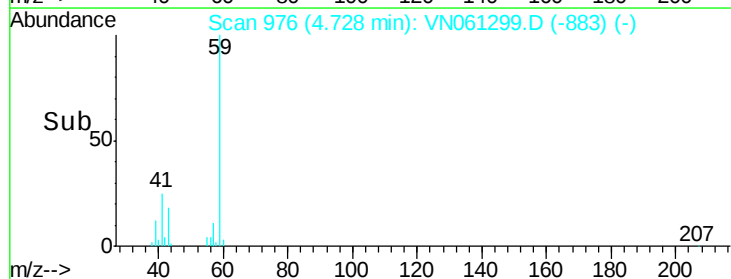
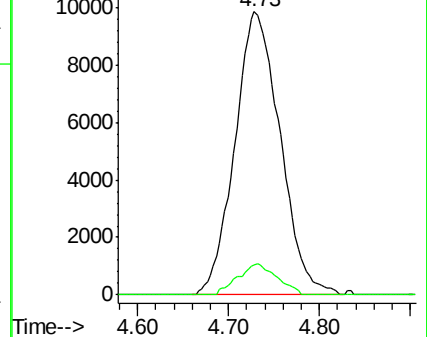
59 100

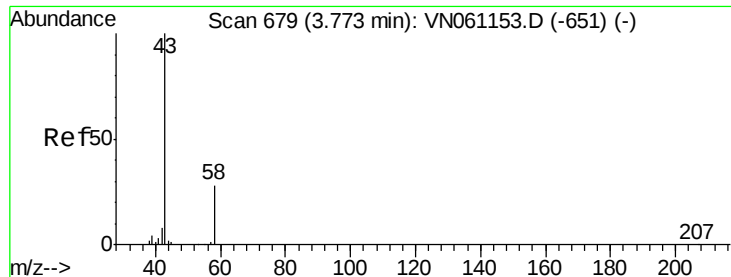
57 9.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 2.352 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA\_N

ClientSampleId :

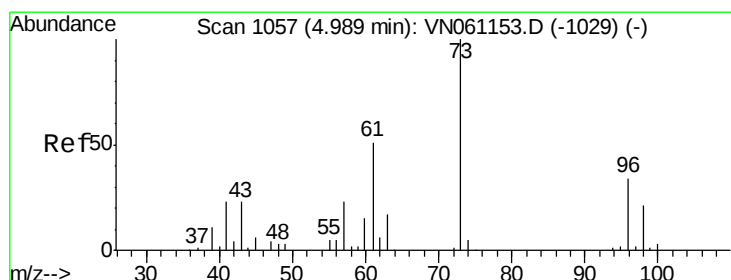
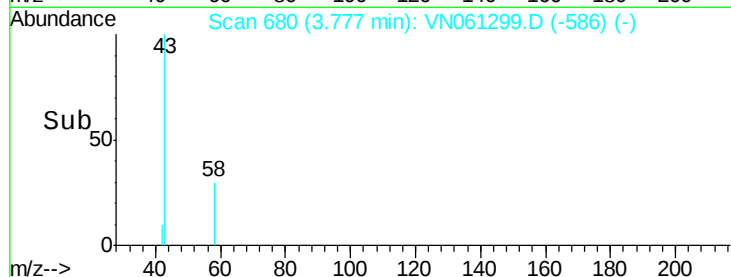
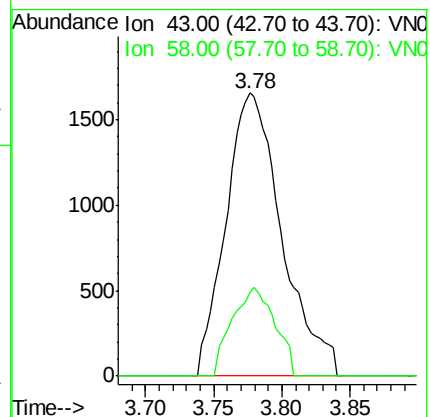
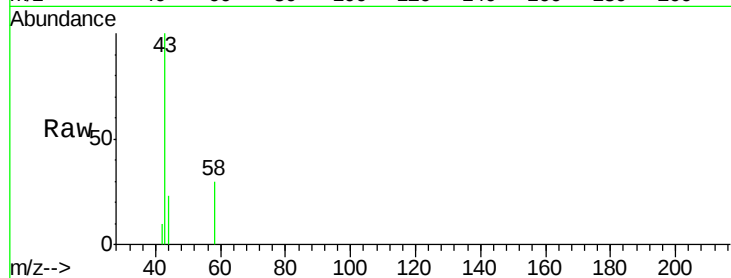
MW-4

Tot Ion: 43 Resp: 4722

Ion Ratio Lower Upper

43 100

58 29.6 22.2 33.2



#19

Methyl tert-butyl Ether

Concen: 2.950 ug/l

RT: 4.99 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VN061299.D

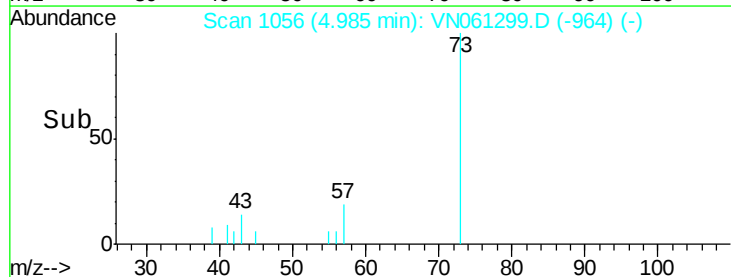
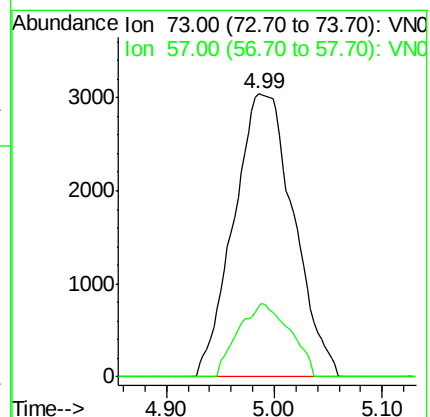
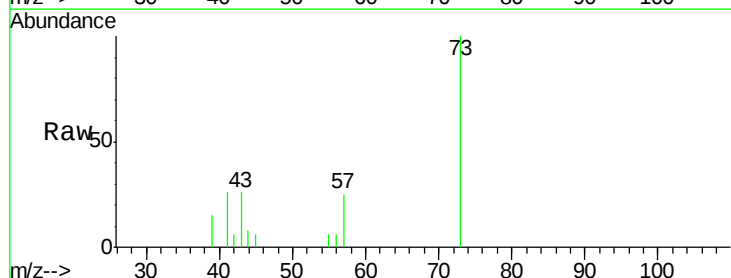
Acq: 5 May 2020 18:01

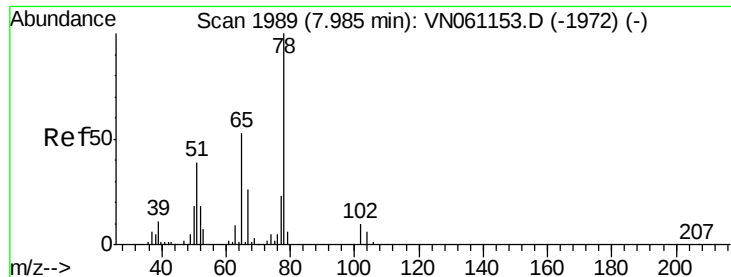
Tgt Ion: 73 Resp: 11727

Ion Ratio Lower Upper

73 100

57 25.0 18.3 27.5





#33

1,2-Dichloroethane-d4

Concen: 52.163 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA\_N

ClientSampleId :

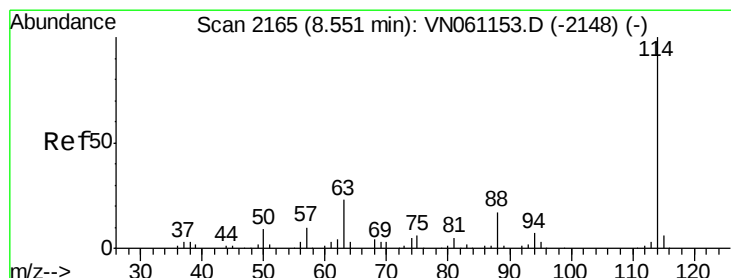
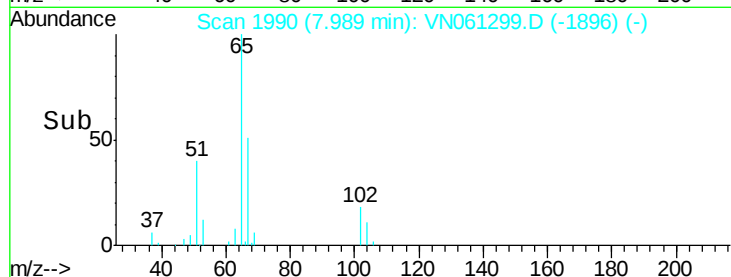
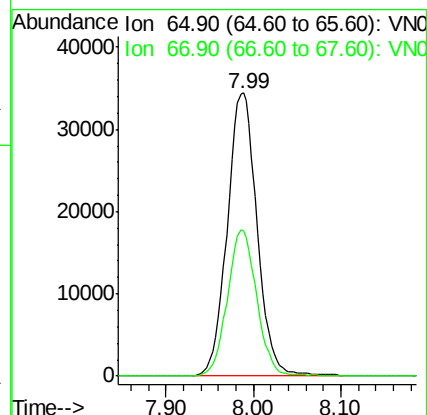
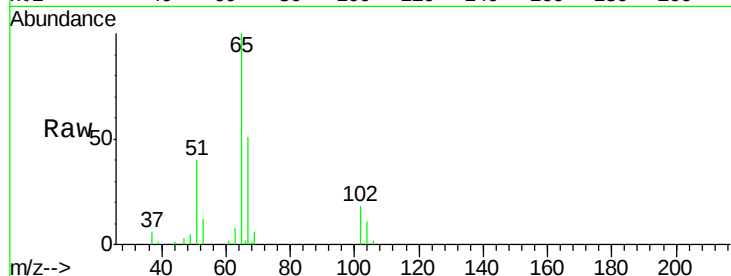
MW-4

Tot Ion: 65 Resp: 81397

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

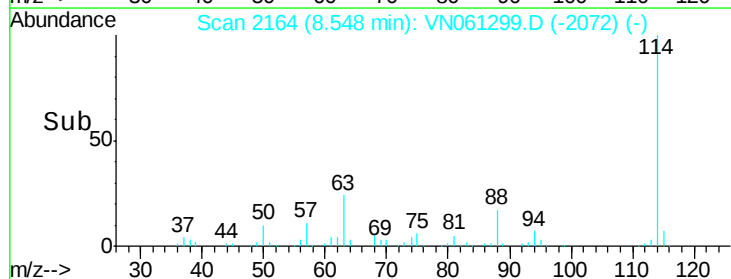
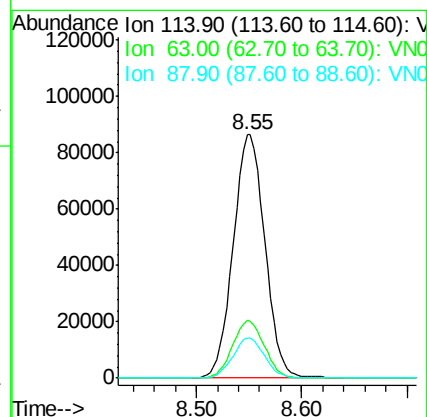
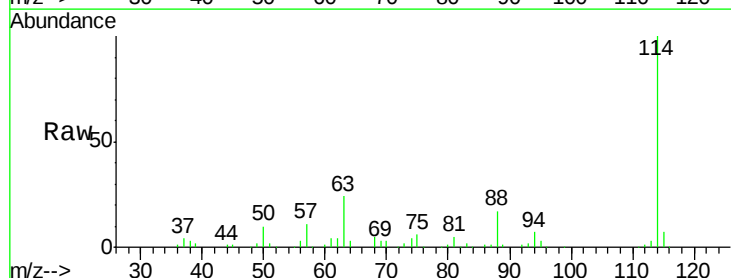
Tgt Ion: 114 Resp: 179889

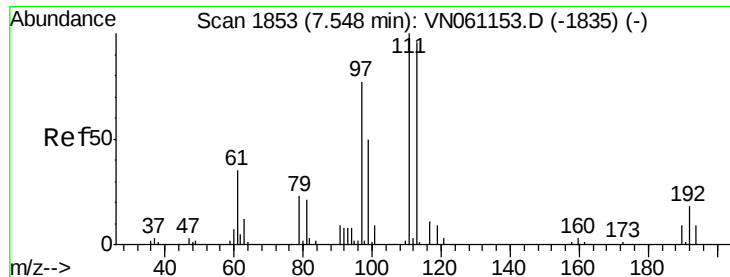
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.6

88 16.6 0.0 33.4

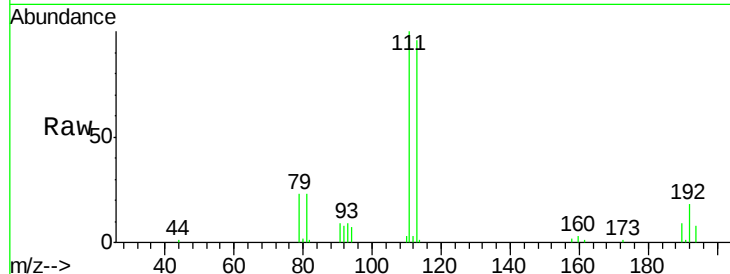




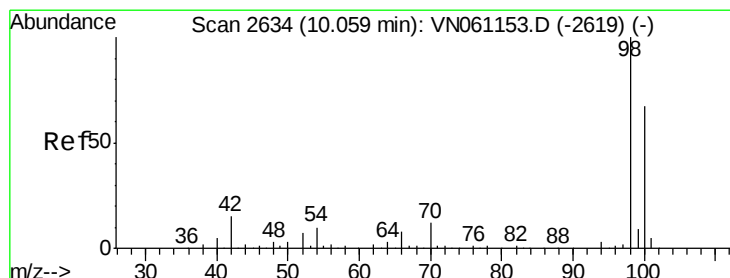
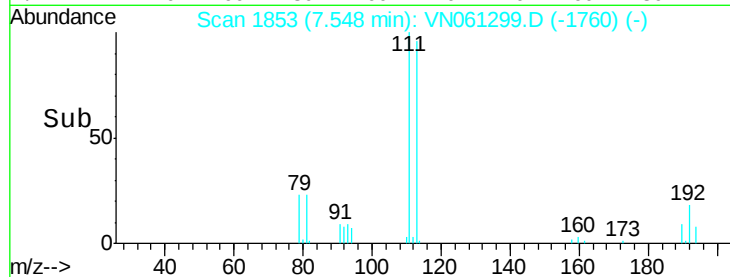
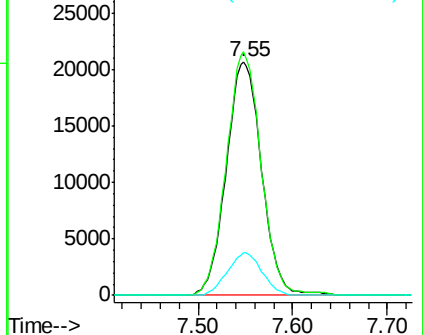
#35  
 Dibromofluoromethane  
 Concen: 50.370 ug/l  
 RT: 7.55 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VN061299.D  
 Acq: 5 May 2020 18:01

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-4

Tot Ion:113 Resp: 53580  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.9 124.3  
 192 17.8 14.7 22.1

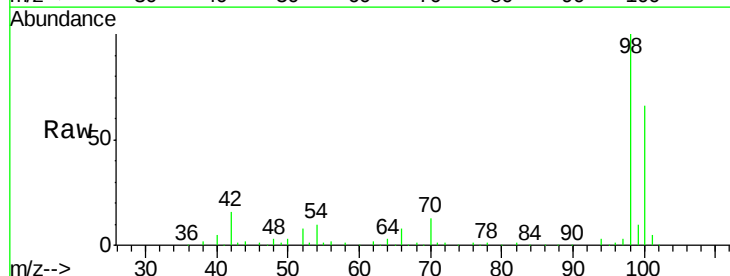


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

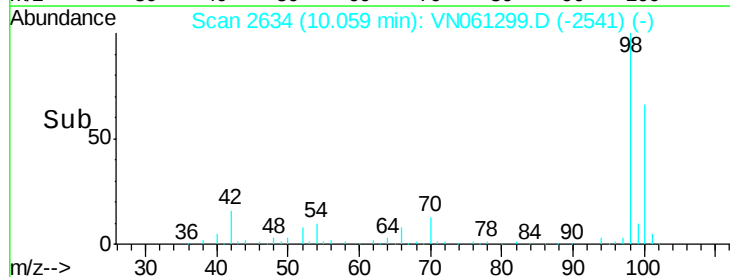
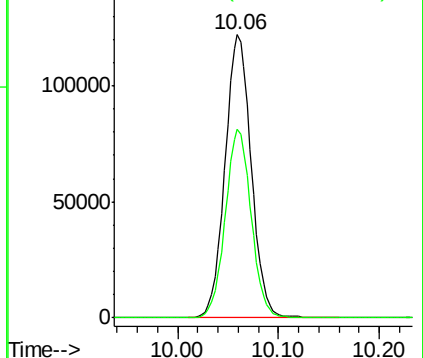


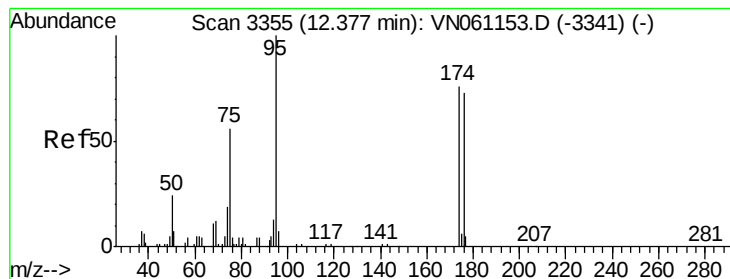
#50  
 Toluene-d8  
 Concen: 50.971 ug/l  
 RT: 10.06 min Scan# 2634  
 Delta R.T. 0.00 min  
 Lab File: VN061299.D  
 Acq: 5 May 2020 18:01

Tgt Ion: 98 Resp: 221027  
 Ion Ratio Lower Upper  
 98 100  
 100 66.1 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): V  
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.709 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA\_N

ClientSampled :

MW-4

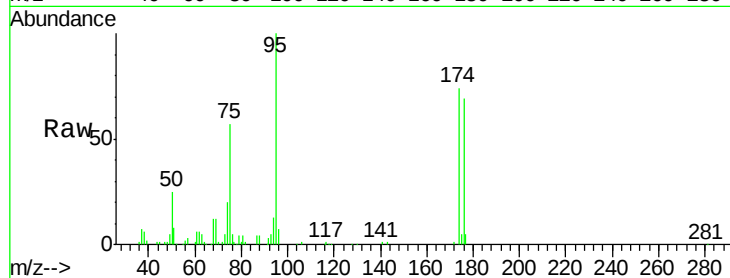
Tot Ion: 95 Resp: 81117

Ion Ratio Lower Upper

95 100

174 73.9 0.0 149.4

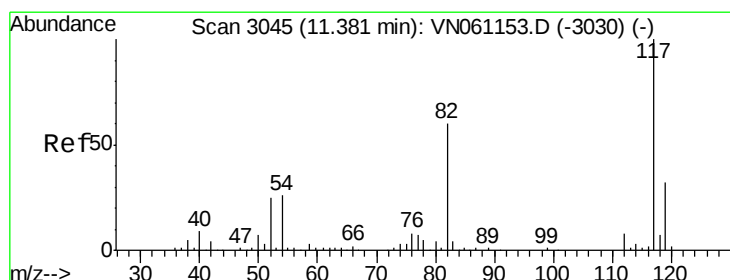
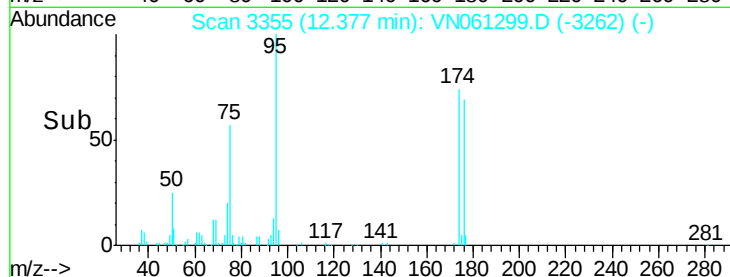
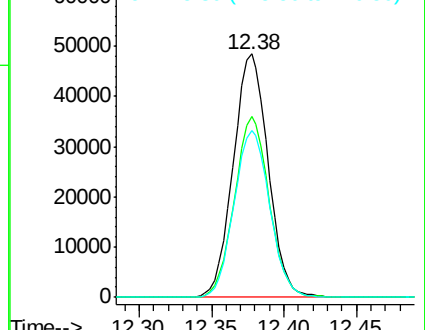
176 69.9 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061299.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061299.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061299.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

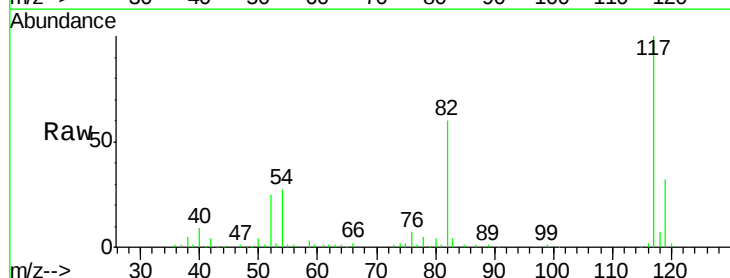
Tgt Ion: 117 Resp: 171755

Ion Ratio Lower Upper

117 100

82 60.5 47.8 71.8

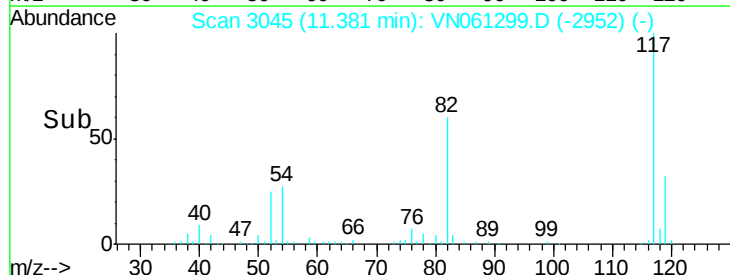
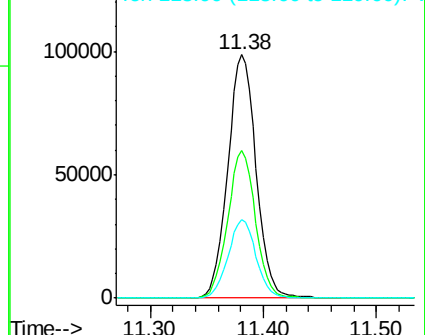
119 32.0 25.8 38.6

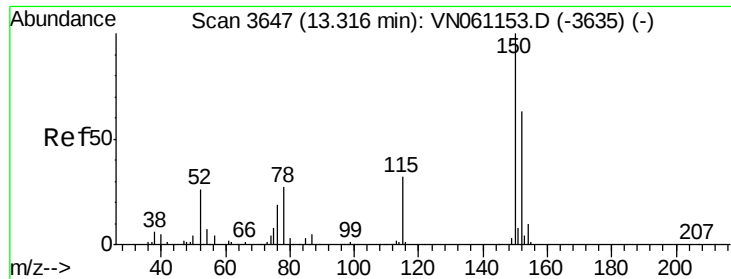


Abundance Ion 116.90 (116.60 to 117.60): VN061299.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061299.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061299.D (-2952) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061299.D

Acq: 5 May 2020 18:01

Instrument :

MSVOA\_N

ClientSampleId :

MW-4

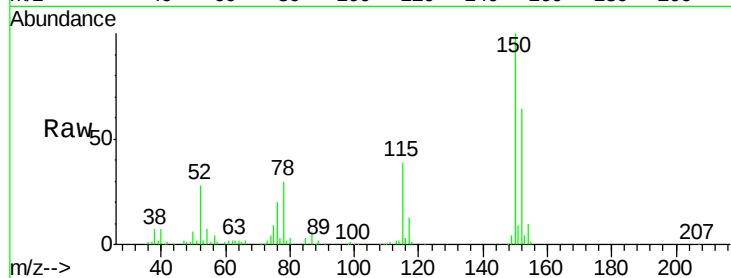
Tot Ion:152 Resp: 75796

Ion Ratio Lower Upper

152 100

115 62.6 31.0 93.0

150 156.4 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

