

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
 Data File : VN058026.D  
 Acq On : 13 Sep 2019 19:01  
 Operator : JC/SP  
 Sample : K4859-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-DECON-WATER-091119

Quant Time: Sep 14 05:07:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

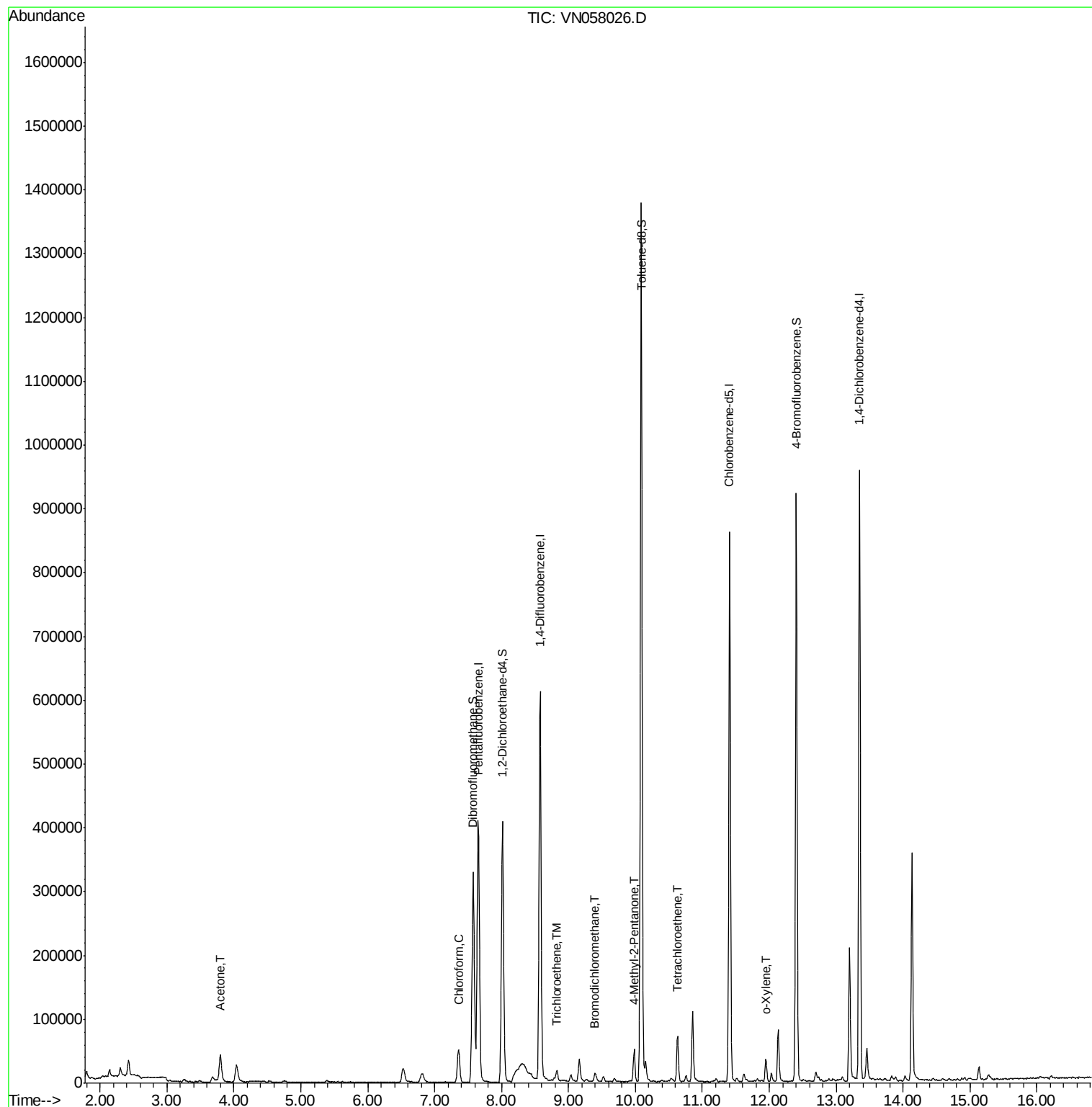
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65   | 168  | 318934   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58   | 114  | 527488   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 472795   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 241835   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65   | 348556   | 53.96  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 107.92% |          |
| 35) Dibromofluoromethane    | 7.58   | 113  | 240198   | 49.34  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 98.68%  |          |
| 50) Toluene-d8              | 10.09  | 98   | 951392   | 50.33  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 100.66% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 310708   | 43.13  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 86.26%  |          |
| Target Compounds            |        |      |          |        |         |          |
| 16) Acetone                 | 3.80   | 43   | 70559    | 33.320 | ug/l    | 94       |
| 30) Chloroform              | 7.36   | 83   | 50722    | 5.695  | ug/l    | 92       |
| 44) Trichloroethene         | 8.83   | 130  | 5558     | 1.230  | ug/l    | 87       |
| 47) Bromodichloromethane    | 9.39   | 83   | 7889     | 1.220  | ug/l #  | 96       |
| 51) 4-Methyl-2-Pentanone    | 9.98   | 43   | 33128    | 5.267  | ug/l    | 100      |
| 64) Tetrachloroethene       | 10.63  | 164  | 14881    | 4.263  | ug/l    | 97       |
| 69) o-Xylene                | 11.95  | 106  | 8489     | 1.075  | ug/l    | 93       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091419\  
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Sample : K4859-01  
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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

Quant Time: Sep 14 05:07:50 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

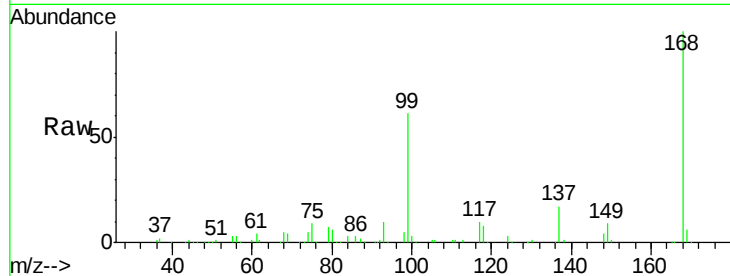
IDW-DECON-WATER-091119

Tot Ion:168 Resp: 318934

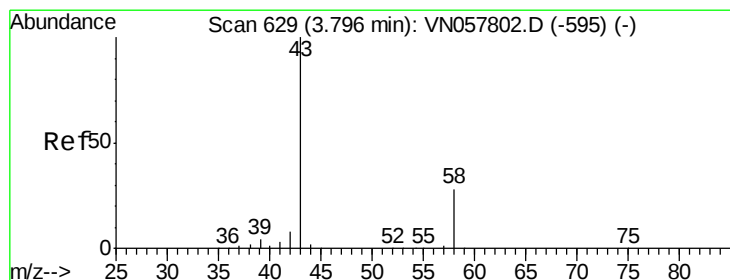
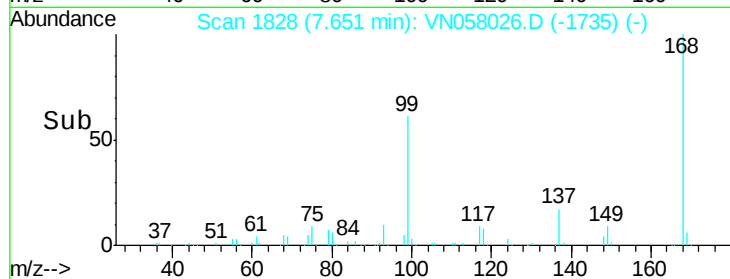
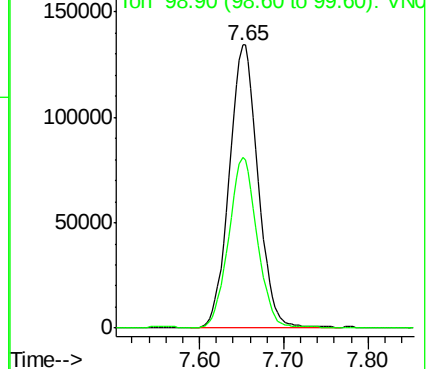
Ion Ratio Lower Upper

168 100

99 60.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN058026.D (-1735) (-)



#16

Acetone

Concen: 33.320 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058026.D

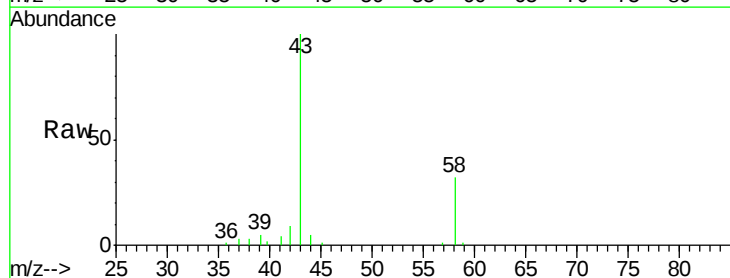
Acq: 13 Sep 2019 19:01

Tgt Ion: 43 Resp: 70559

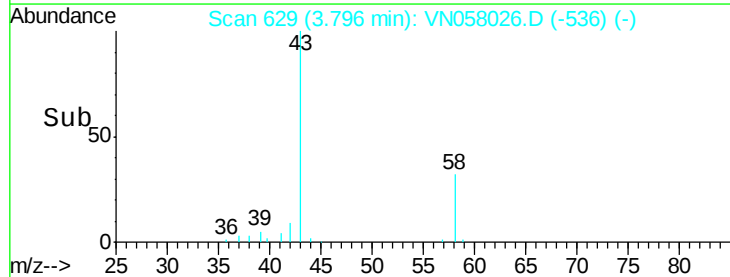
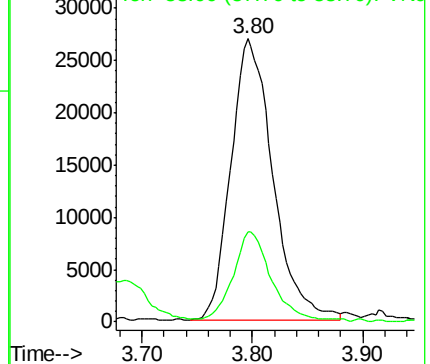
Ion Ratio Lower Upper

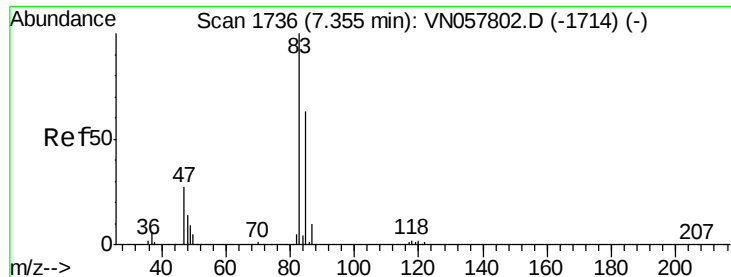
43 100

58 31.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN058026.D (-536) (-)

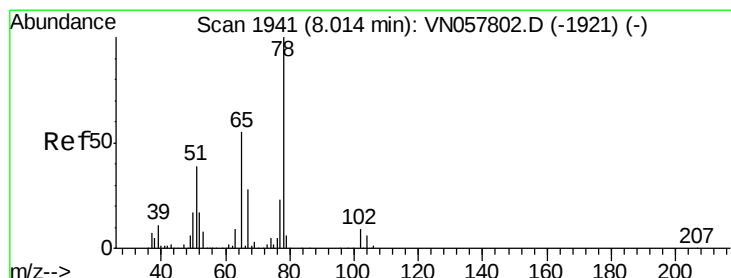
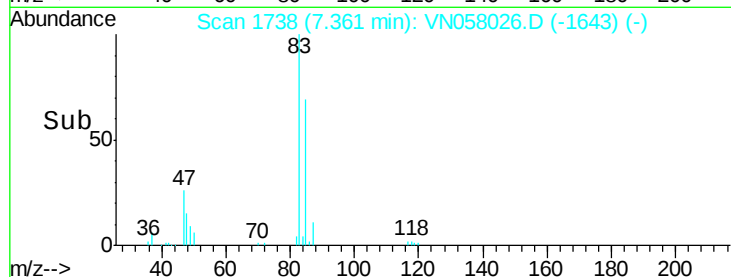
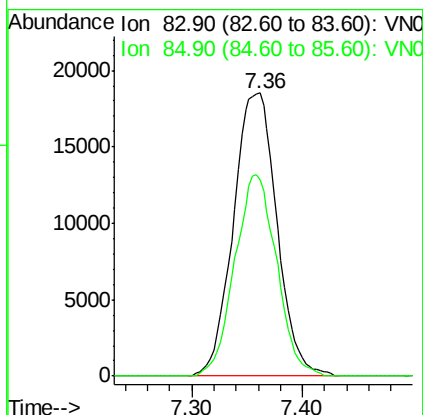
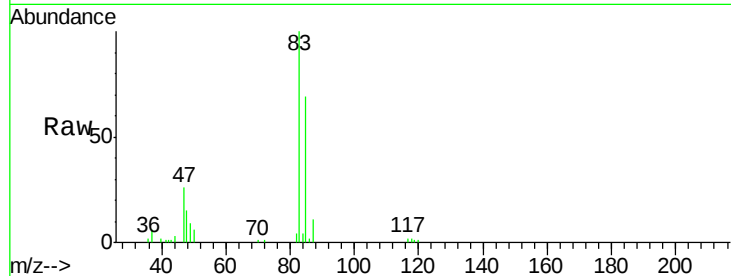




#30  
Chloroform  
Concen: 5.695 ug/l  
RT: 7.36 min Scan# 1738  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

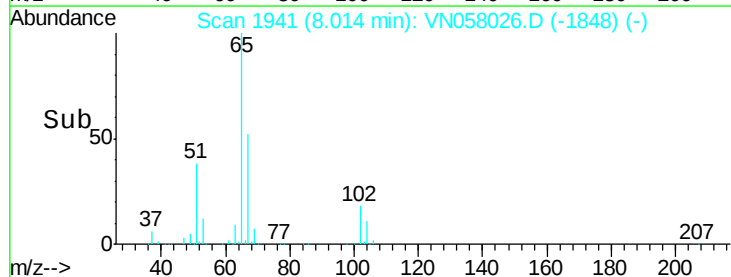
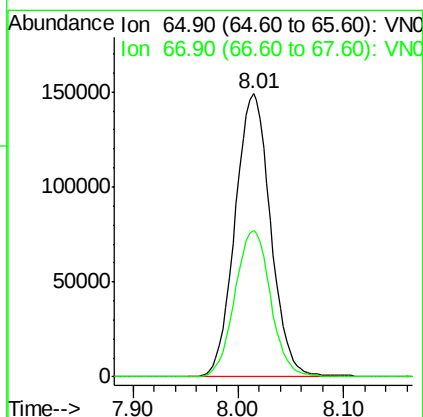
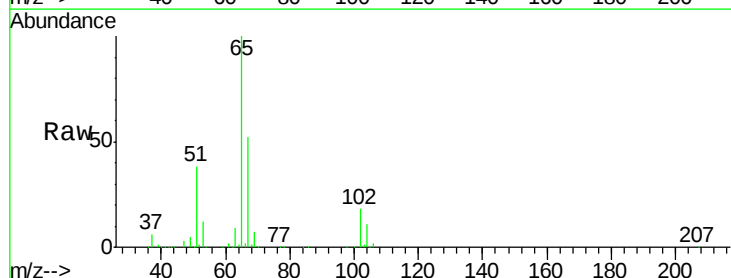
Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

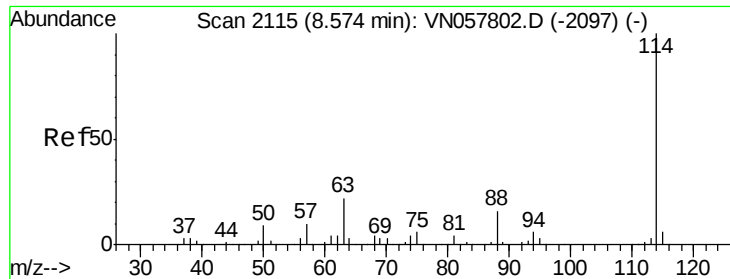
Tot Ion: 83 Resp: 50722  
Ion Ratio Lower Upper  
83 100  
85 69.3 50.6 75.8



#33  
1,2-Dichloroethane-d4  
Concen: 53.958 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion: 65 Resp: 348556  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 104.0

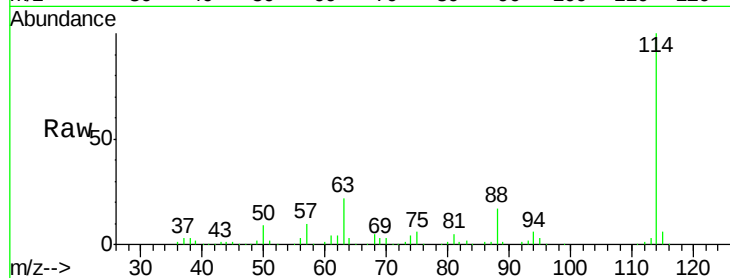




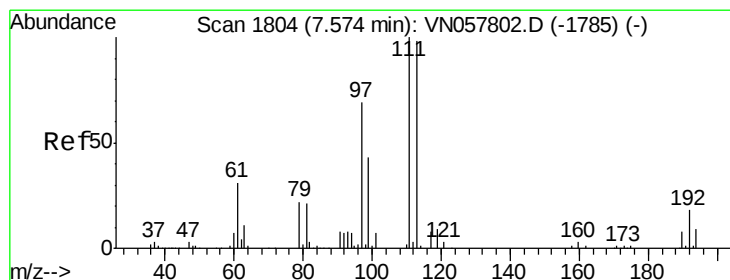
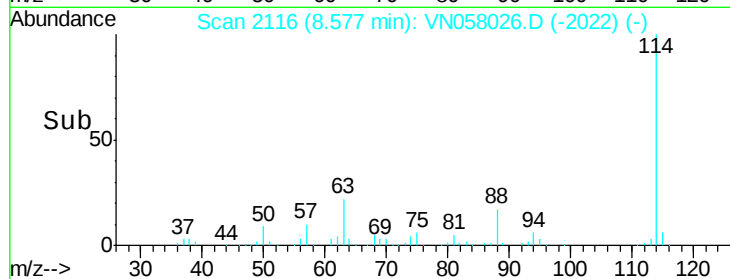
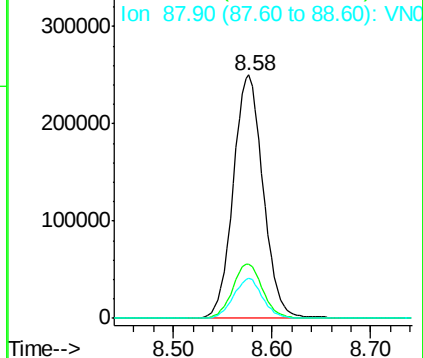
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-DECON-WATER-091119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.4  | 0.0   | 44.0  |
| 88      | 16.5  | 0.0   | 31.4  |

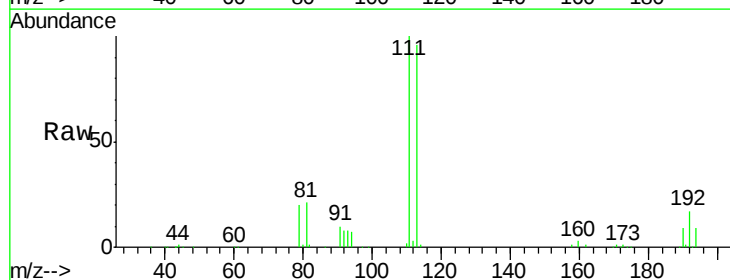


Abundance Ion 113.90 (113.60 to 114.60): V

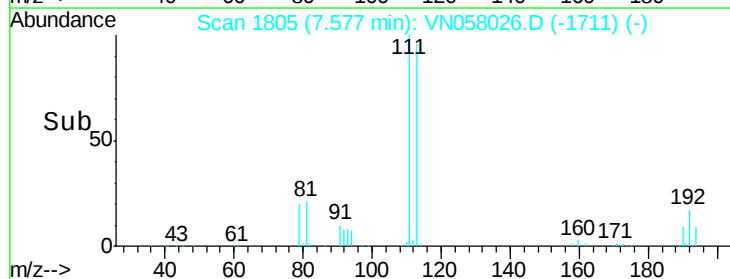
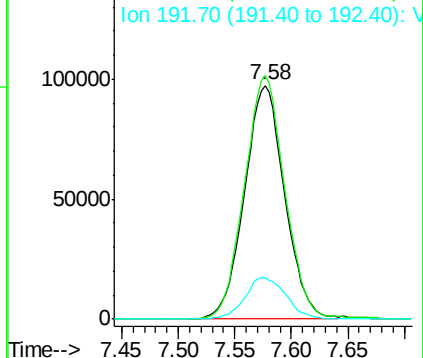


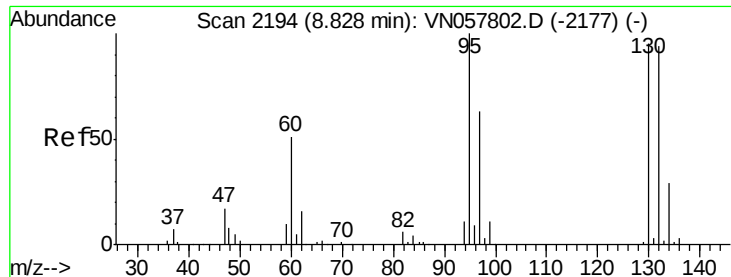
#35  
 Dibromofluoromethane  
 Concen: 49.337 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.3 | 81.3  | 121.9 |
| 192     | 18.2  | 14.6  | 22.0  |



Abundance Ion 112.80 (112.50 to 113.50): V

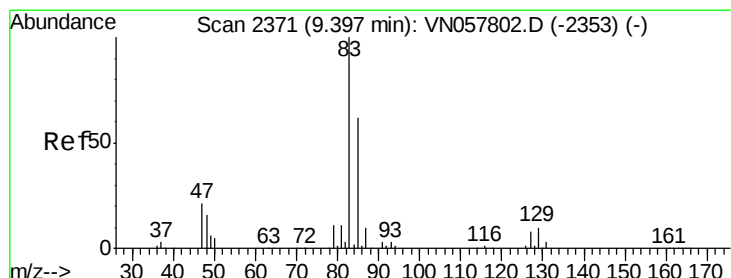
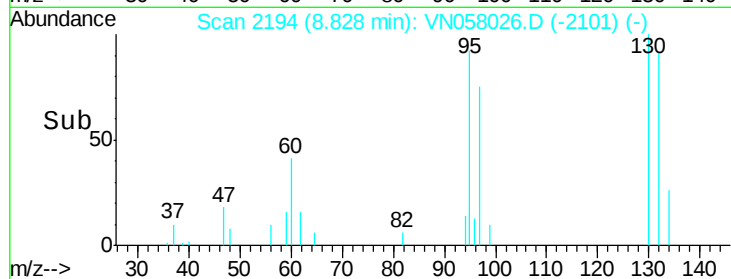
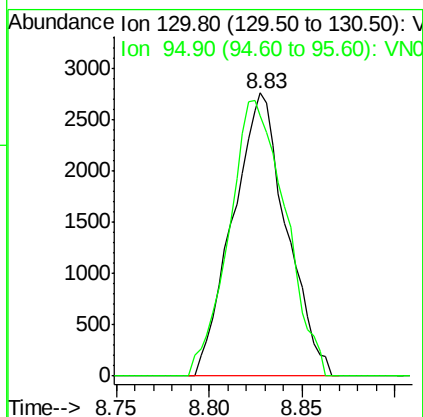
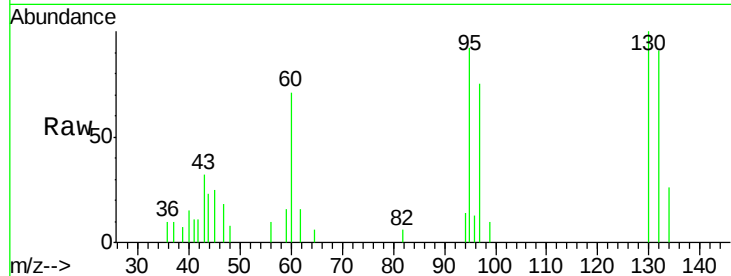




#44  
 Trichloroethene  
 Concen: 1.230 ug/l  
 RT: 8.83 min Scan# 2194  
 Delta R.T. -0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

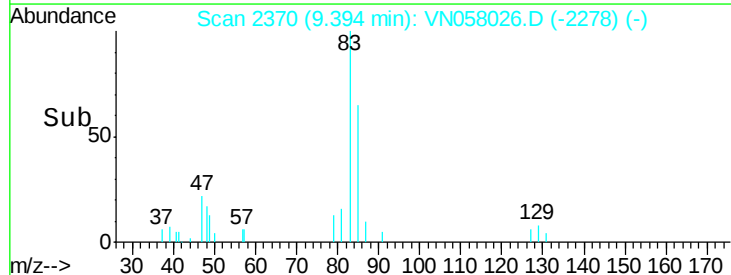
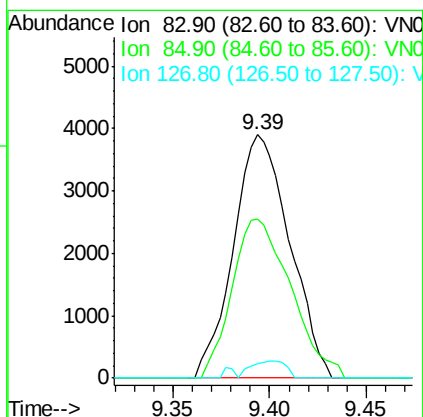
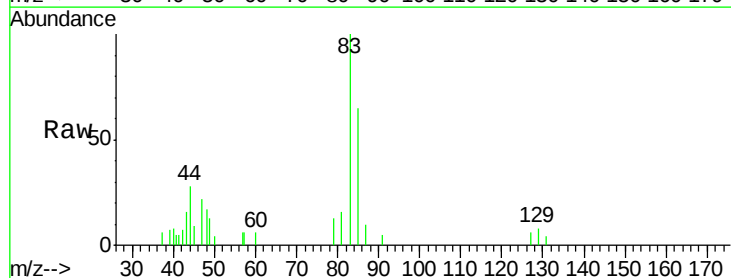
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-DECON-WATER-091119

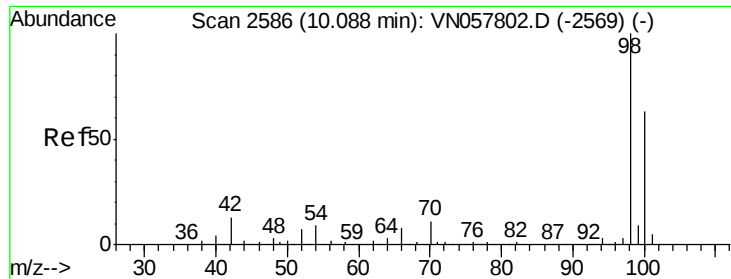
Tot Ion:130 Resp: 5558  
 Ion Ratio Lower Upper  
 130 100  
 95 91.9 0.0 211.4



#47  
 Bromodichloromethane  
 Concen: 1.220 ug/l  
 RT: 9.39 min Scan# 2370  
 Delta R.T. -0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

Tgt Ion: 83 Resp: 7889  
 Ion Ratio Lower Upper  
 83 100  
 85 65.4 49.9 74.9  
 127 5.7 6.5 9.7#





#50

Toluene-d8

Concen: 50.332 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

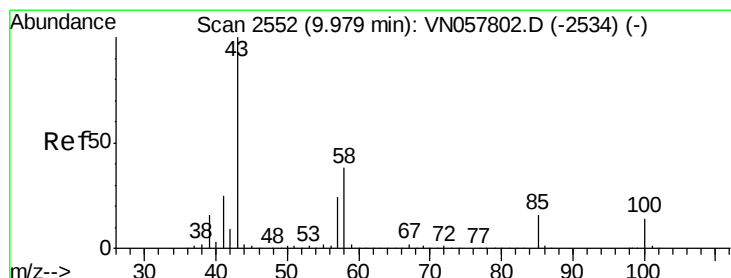
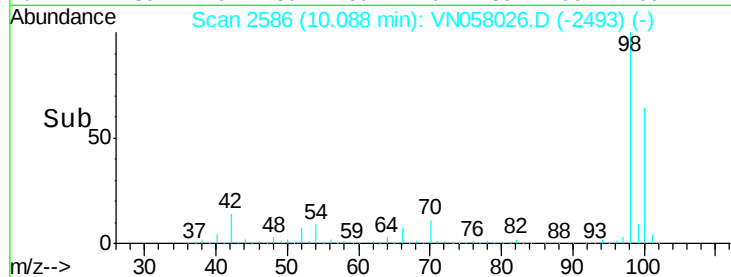
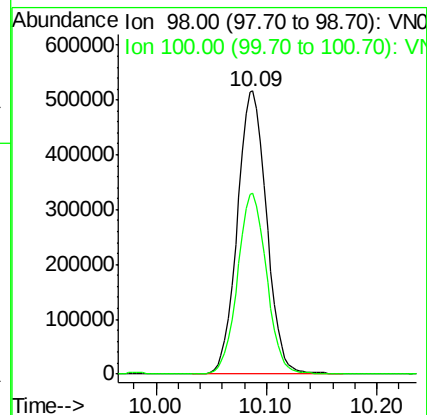
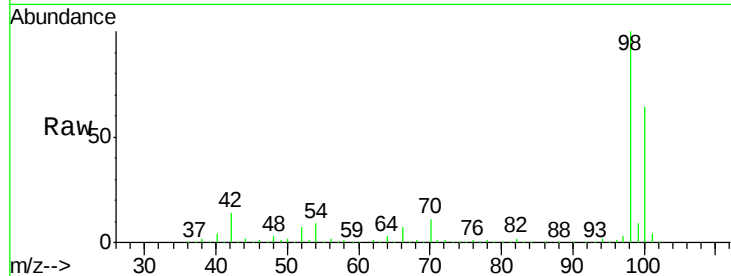
IDW-DECON-WATER-091119

Tot Ion: 98 Resp: 951392

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 5.267 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058026.D

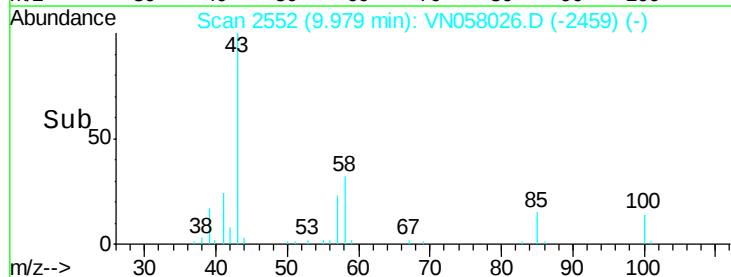
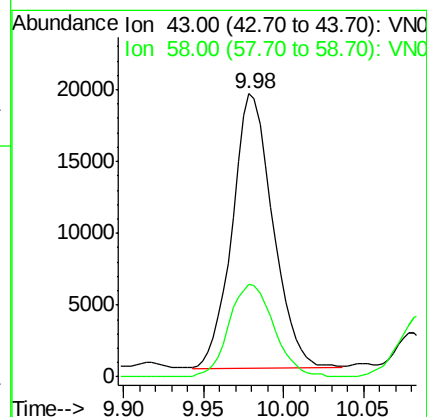
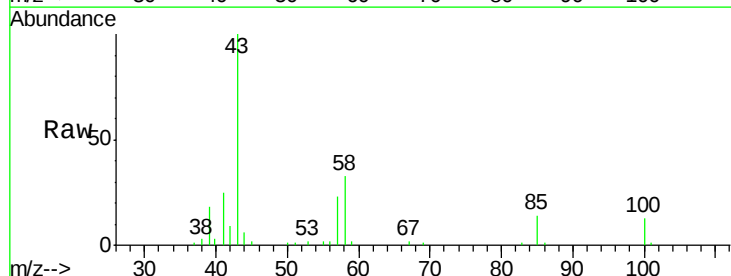
Acq: 13 Sep 2019 19:01

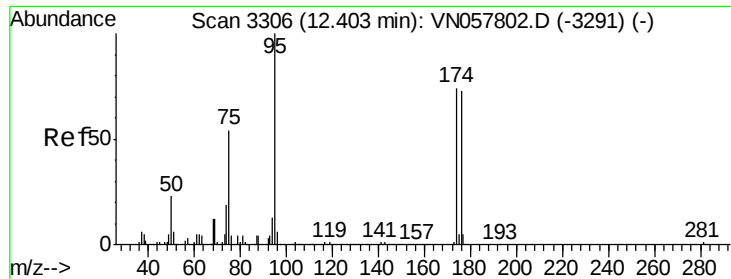
Tgt Ion: 43 Resp: 33128

Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.6





#62

4-Bromofluorobenzene

Concen: 43.134 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

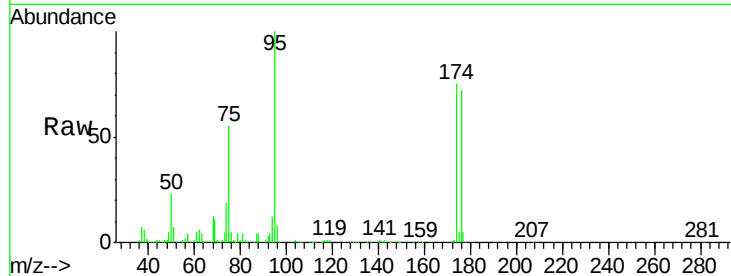
Tot Ion: 95 Resp: 310708

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.2

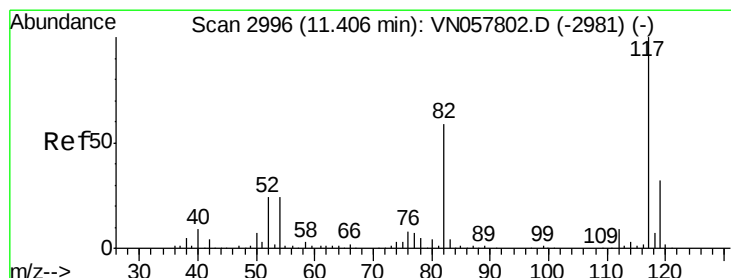
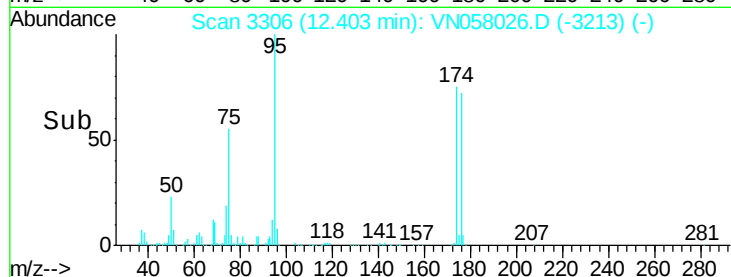
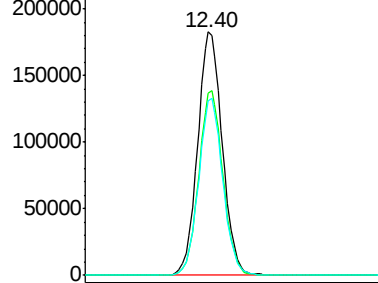
176 71.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

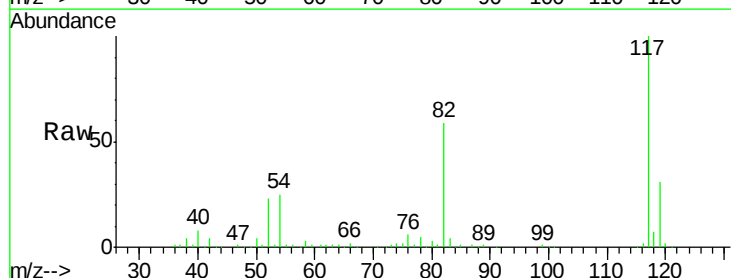
Tgt Ion: 117 Resp: 472795

Ion Ratio Lower Upper

117 100

82 58.5 47.2 70.8

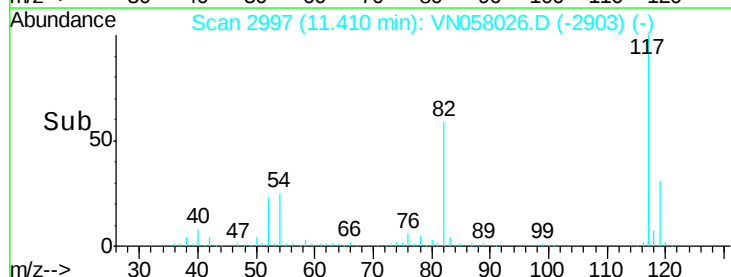
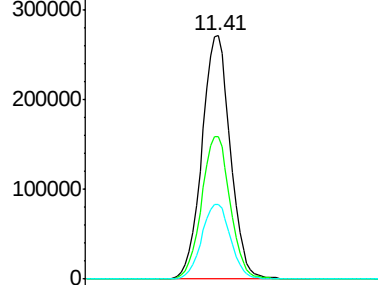
119 30.8 25.3 37.9

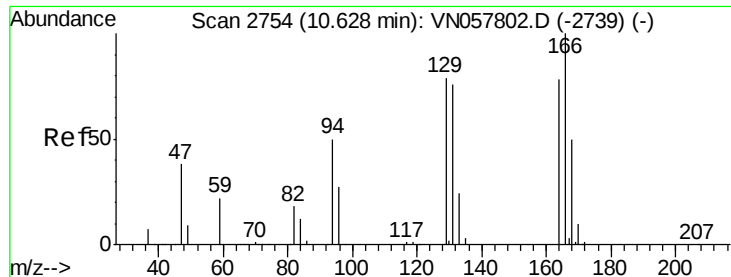


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

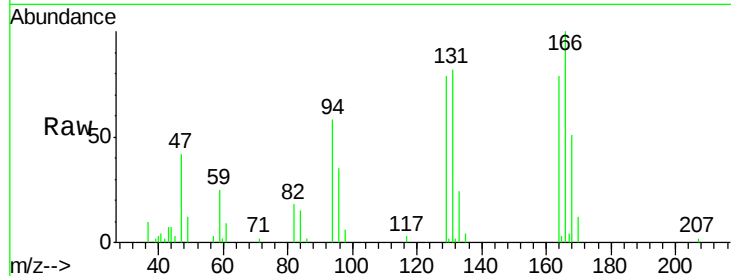




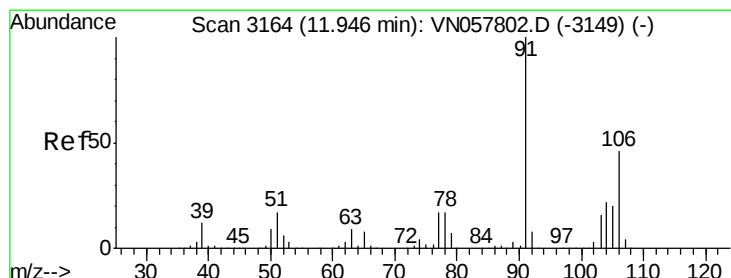
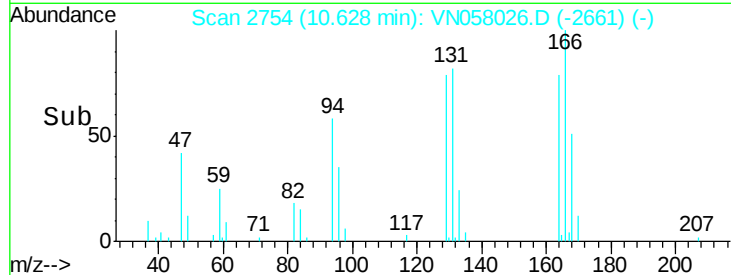
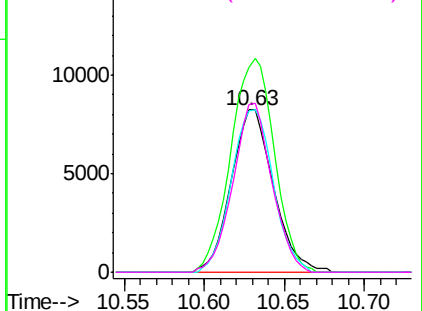
#64  
Tetrachloroethene  
Concen: 4.263 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

Tot Ion:164 Resp: 14881  
Ion Ratio Lower Upper  
164 100  
166 126.1 102.2 153.2  
129 99.7 80.8 121.2  
131 103.6 77.4 116.2

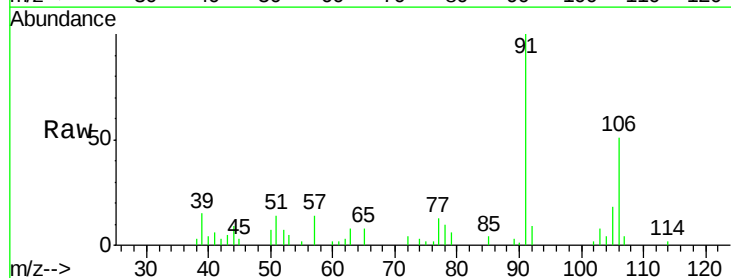


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

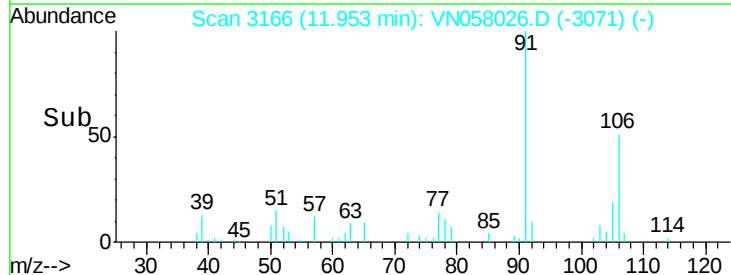
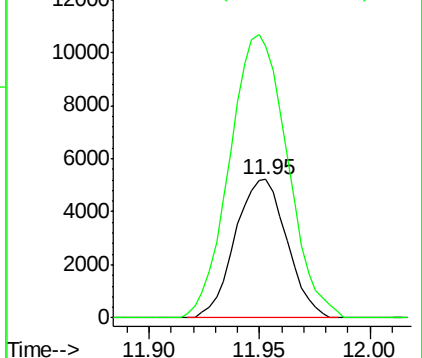


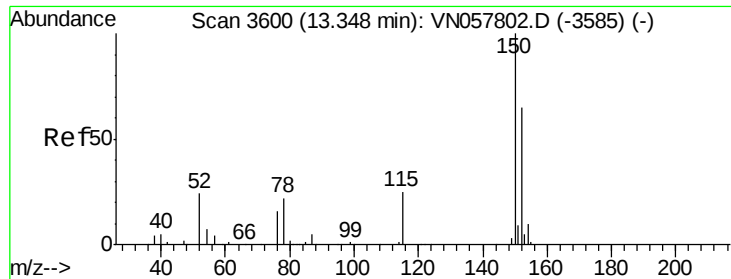
#69  
o-Xylene  
Concen: 1.075 ug/l  
RT: 11.95 min Scan# 3166  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion:106 Resp: 8489  
Ion Ratio Lower Upper  
106 100  
91 228.7 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

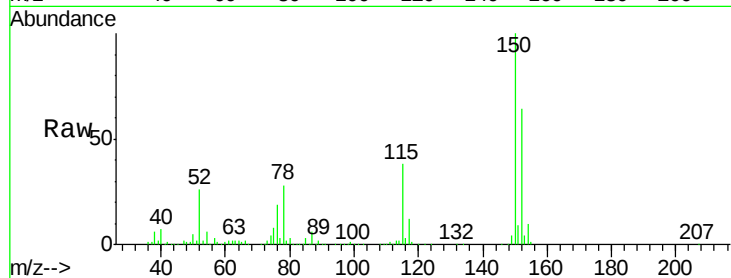
Tot Ion:152 Resp: 241835

Ion Ratio Lower Upper

152 100

115 60.2 30.3 91.0

150 156.5 0.0 352.4



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

