

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\  
 Data File : VN061027.D  
 Acq On : 16 Apr 2020 21:13  
 Operator : JC/MD  
 Sample : L2300-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WATER-RECLAIM-SYSTEM-SLUDG

Quant Time: Apr 17 06:17:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

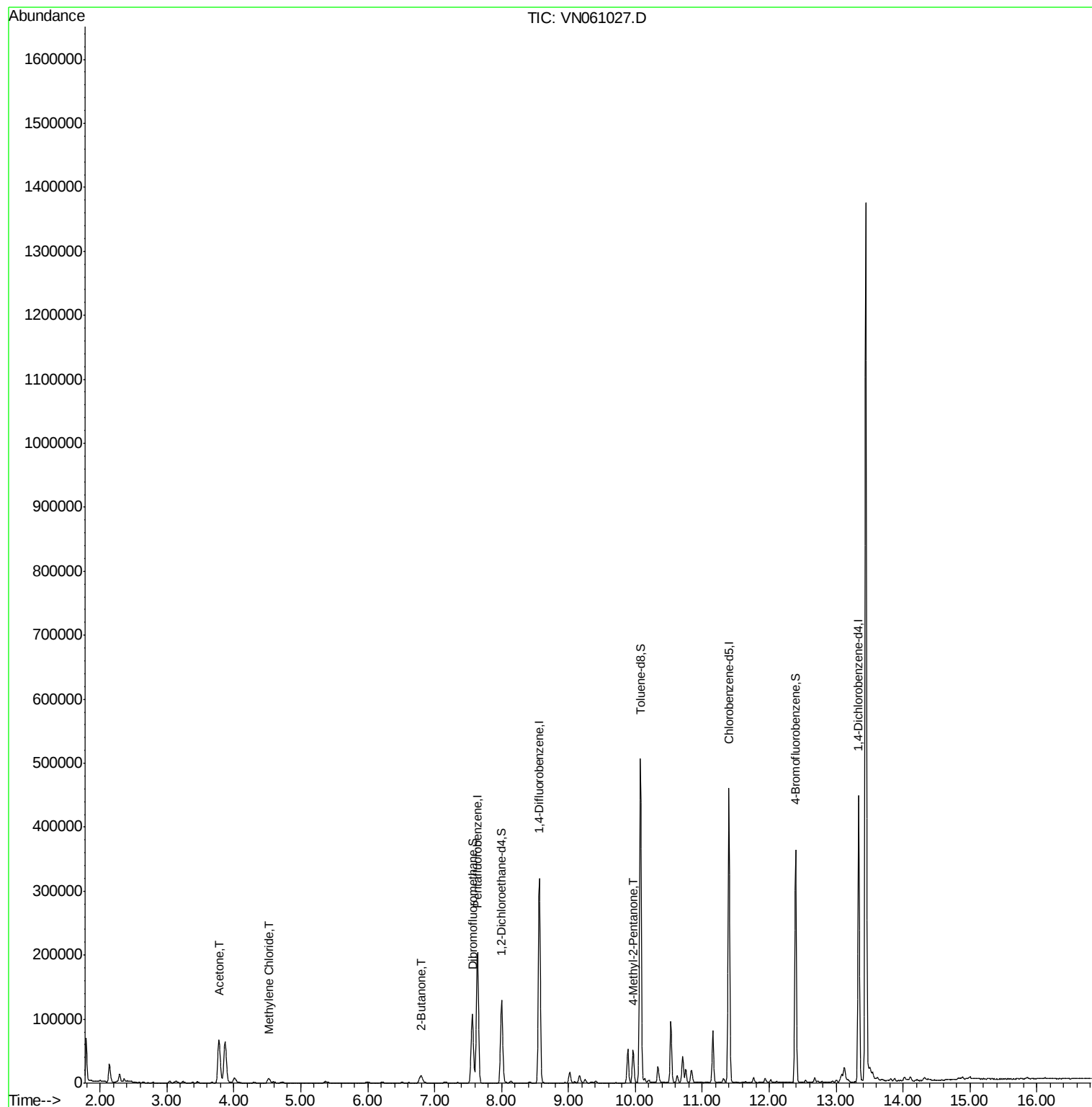
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 164285   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 280194   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 258941   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 114445   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 110754   | 52.69   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 105.38% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 83220    | 50.86   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 101.72% |          |
| 50) Toluene-d8              | 10.08 | 98   | 345016   | 55.80   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 111.60% |          |
| 62) 4-Bromofluorobenzene    | 12.39 | 95   | 127919   | 52.79   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 105.58% |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 3.78  | 43   | 116812   | 126.261 | ug/l    | 100      |
| 20) Methylene Chloride      | 4.52  | 84   | 5481     | 2.713   | ug/l    | 95       |
| 25) 2-Butanone              | 6.80  | 43   | 22746    | 16.044  | ug/l    | 99       |
| 51) 4-Methyl-2-Pentanone    | 9.97  | 43   | 35065    | 11.913  | ug/l    | 100      |

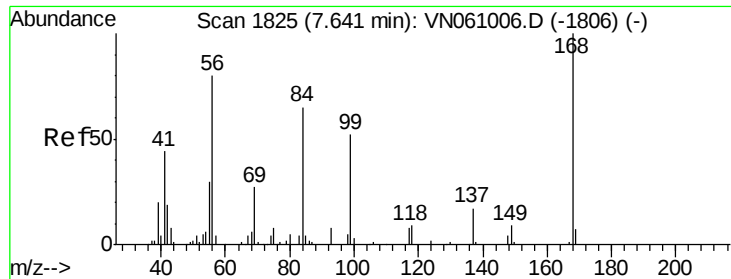
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041620\  
Data File : VN061027.D  
Acq On : 16 Apr 2020 21:13  
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Sample : L2300-01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
WATER-RECLAIM-SYSTEM-SLUDG

Quant Time: Apr 17 06:17:00 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 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: VN061027.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA\_N

ClientSampleId :

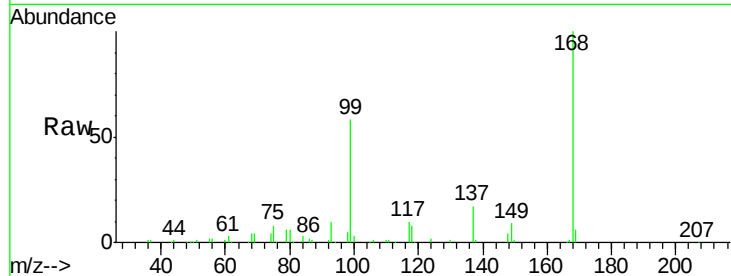
WATER-RECLAIM-SYSTEM-SLUDG

Tot Ion:168 Resp: 164285

Ion Ratio Lower Upper

168 100

99 58.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)

7.64

60000

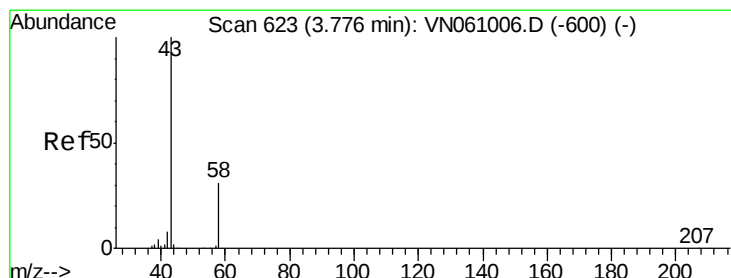
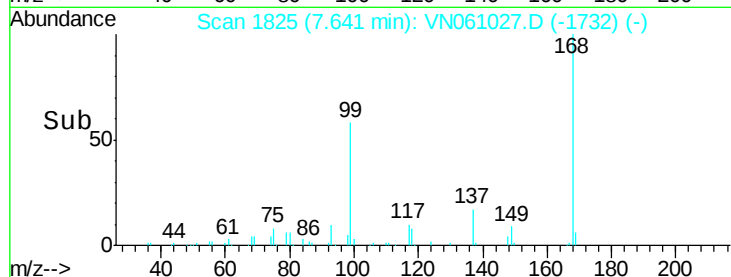
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 126.261 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061027.D

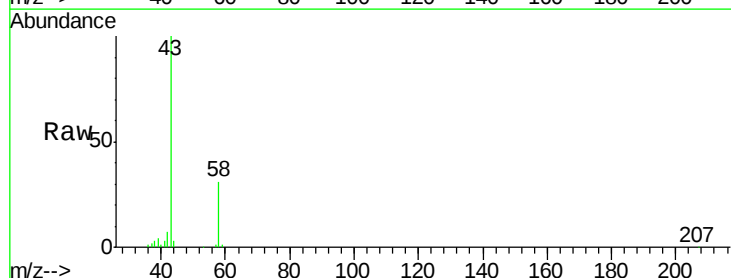
Acq: 16 Apr 2020 21:13

Tgt Ion: 43 Resp: 116812

Ion Ratio Lower Upper

43 100

58 30.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-600) (-)

3.78

50000

40000

30000

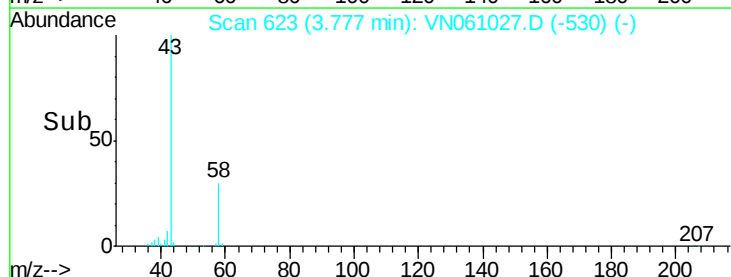
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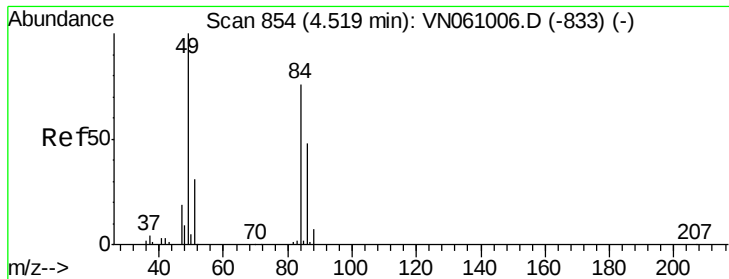
10000

0

3.70 3.80 3.90

Time-->

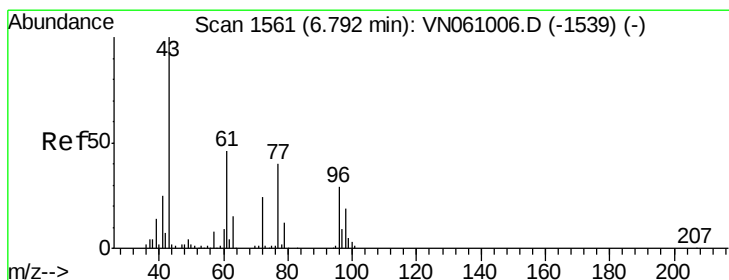
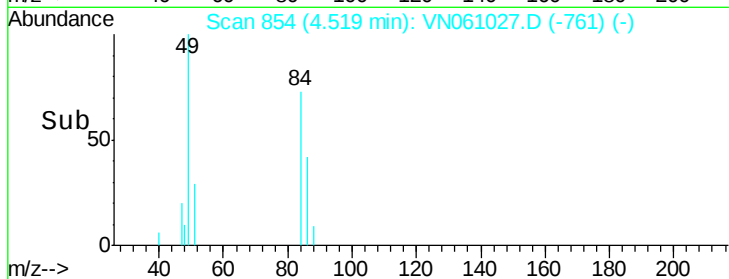
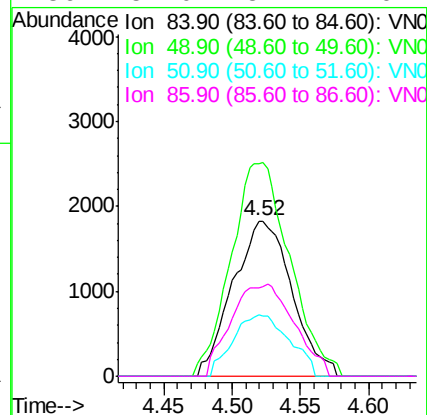
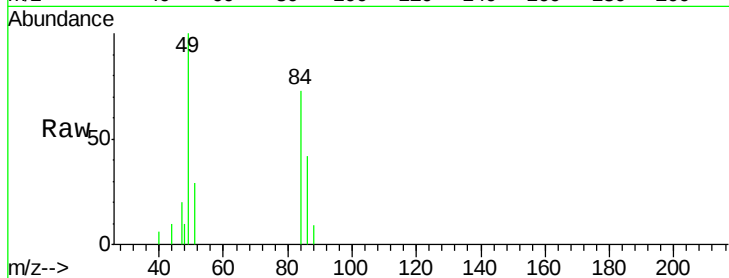




#20  
Methvlene Chloride  
Concen: 2.713 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: VN061027.D  
Acq: 16 Apr 2020 21:13

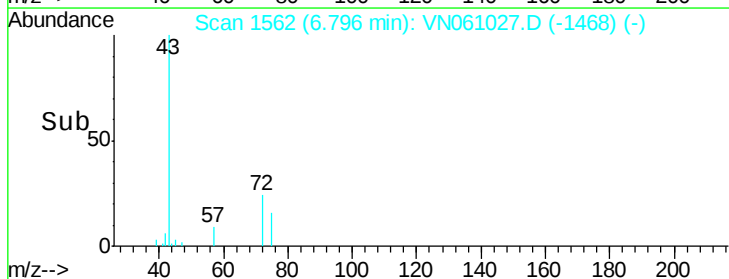
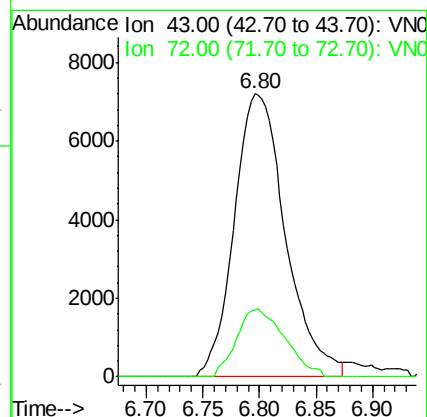
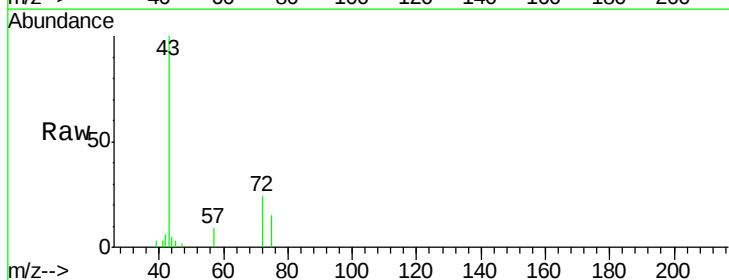
Instrument :  
MSVOA\_N  
ClientSampleId :  
WATER-RECLAIM-SYSTEM-SLUDG

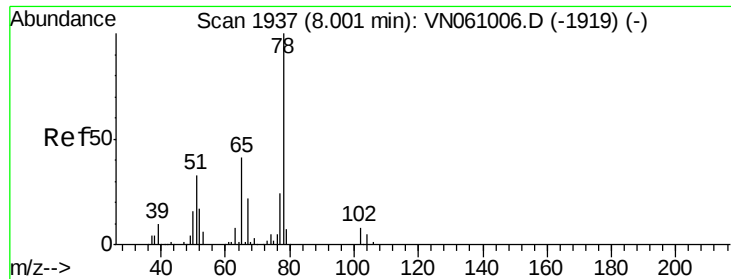
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 5481  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 137.3 | 105.8 | 158.6 |
| 51       | 39.4  | 32.4  | 48.6  |
| 86       | 57.0  | 51.1  | 76.7  |



#25  
2-Butanone  
Concen: 16.044 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: VN061027.D  
Acq: 16 Apr 2020 21:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 22746 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.9  | 19.6  | 29.4  |





#33

1,2-Dichloroethane-d4

Concen: 52.692 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061027.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA\_N

ClientSampleId :

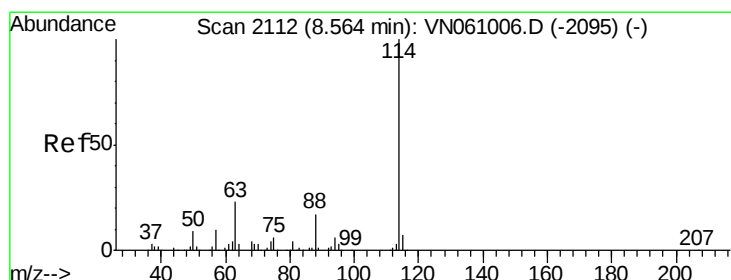
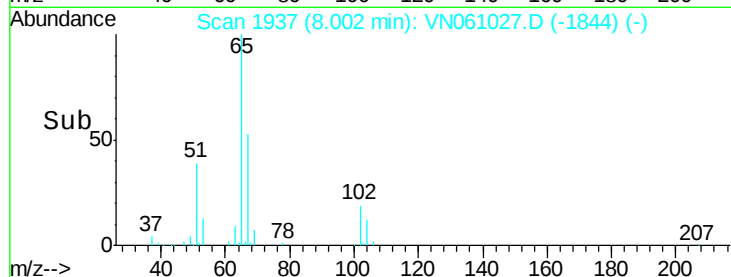
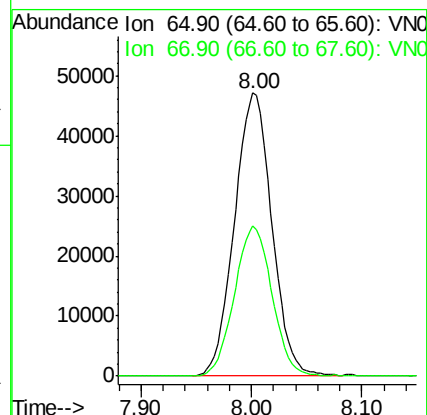
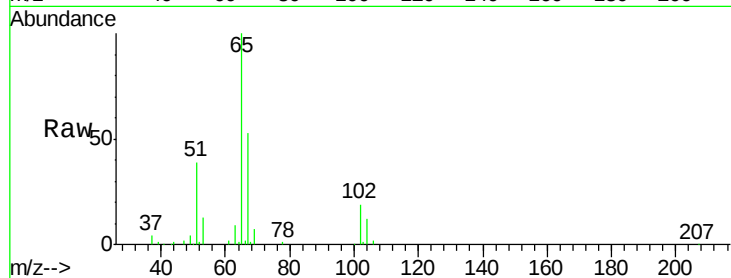
WATER-RECLAIM-SYSTEM-SLUDG

Tot Ion: 65 Resp: 110754

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061027.D

Acq: 16 Apr 2020 21:13

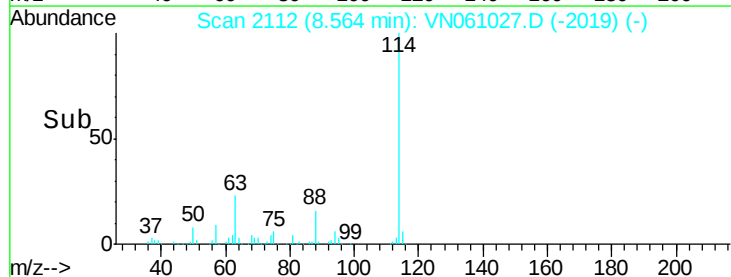
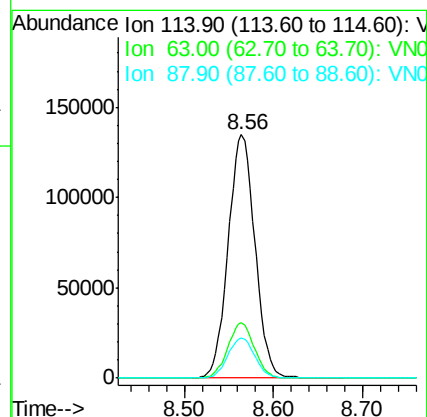
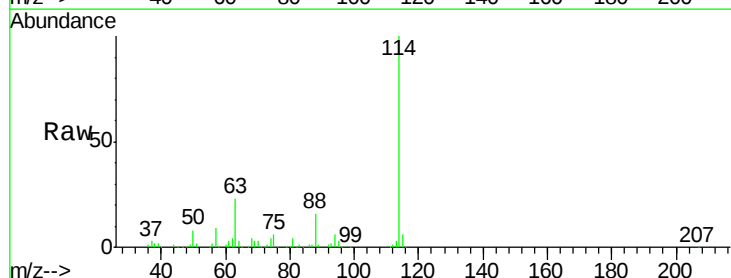
Tgt Ion: 114 Resp: 280194

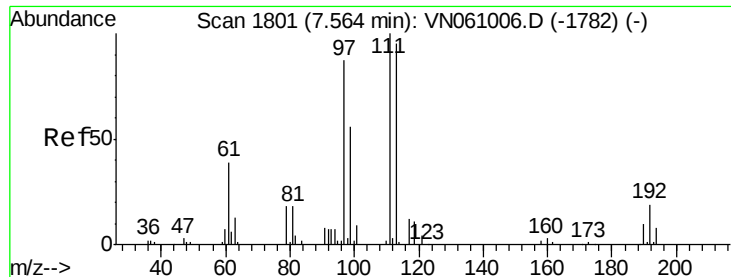
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.3 0.0 33.4

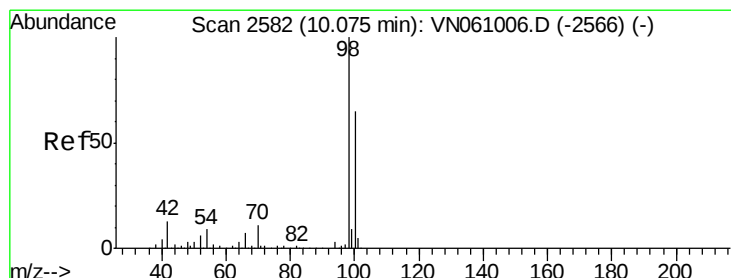
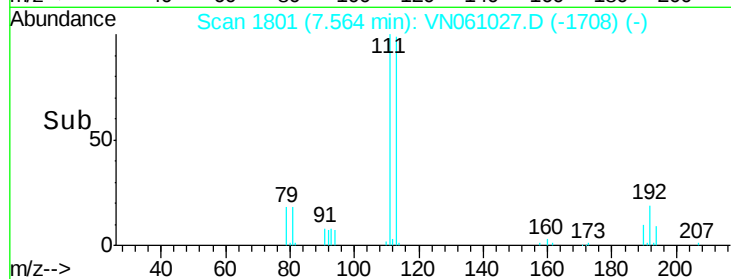
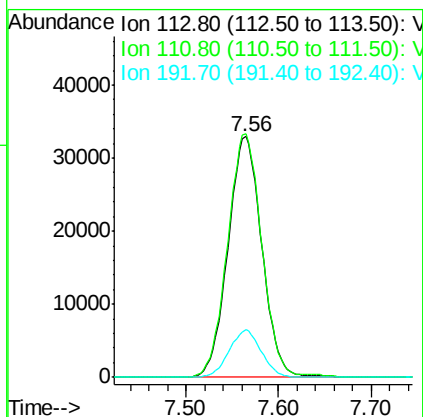
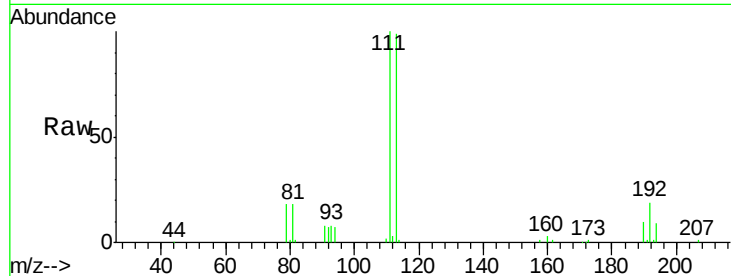




#35  
 Dibromofluoromethane  
 Concen: 50.859 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN061027.D  
 Acq: 16 Apr 2020 21:13

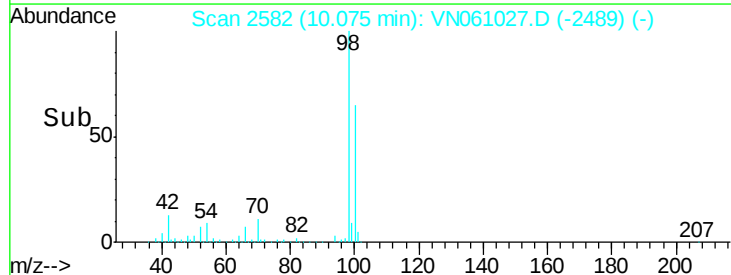
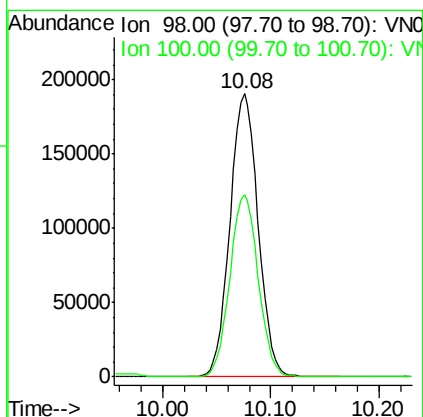
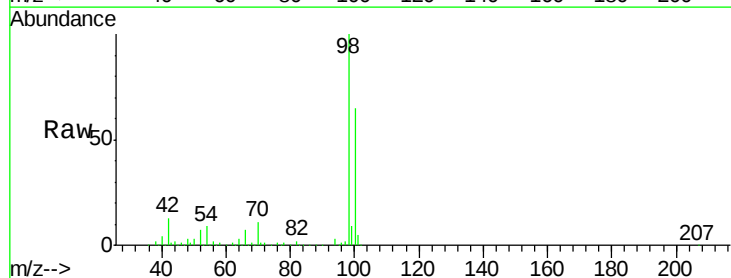
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WATER-RECLAIM-SYSTEM-SLUDG

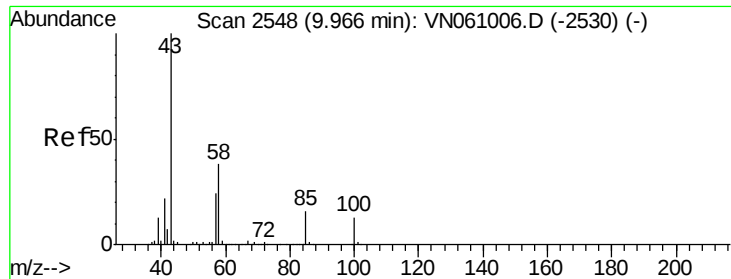
Tot Ion:113 Resp: 83220  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 83.4 125.2  
 192 18.7 15.5 23.3



#50  
 Toluene-d8  
 Concen: 55.799 ug/l  
 RT: 10.08 min Scan# 2582  
 Delta R.T. 0.00 min  
 Lab File: VN061027.D  
 Acq: 16 Apr 2020 21:13

Tgt Ion: 98 Resp: 345016  
 Ion Ratio Lower Upper  
 98 100  
 100 64.9 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 11.913 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061027.D

Acq: 16 Apr 2020 21:13

Instrument :

MSVOA\_N

ClientSampleId :

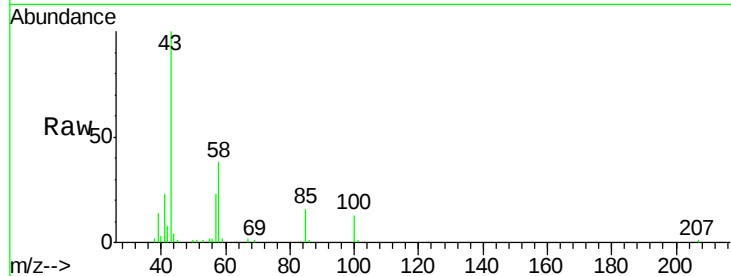
WATER-RECLAIM-SYSTEM-SLUDGE

Tot Ion: 43 Resp: 35065

Ion Ratio Lower Upper

43 100

58 37.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)

9.97

20000

15000

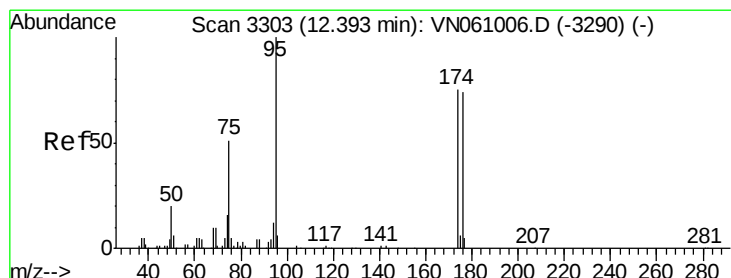
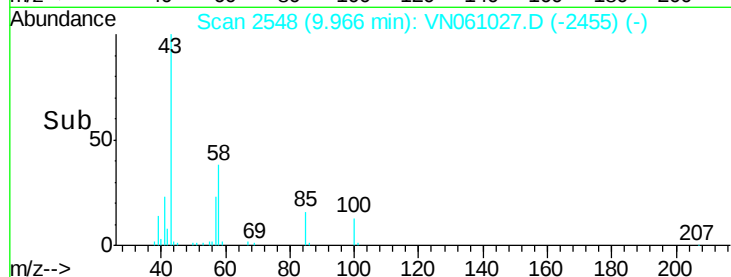
10000

5000

0

9.90 9.95 10.00 10.05

Time-->



#62

4-Bromofluorobenzene

Concen: 52.785 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061027.D

Acq: 16 Apr 2020 21:13

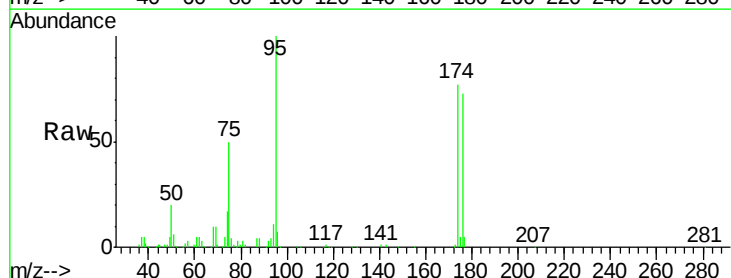
Tgt Ion: 95 Resp: 127919

Ion Ratio Lower Upper

95 100

174 76.8 0.0 151.2

176 73.2 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061006.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061006.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061006.D (-3290) (-)

12.39

100000

80000

60000

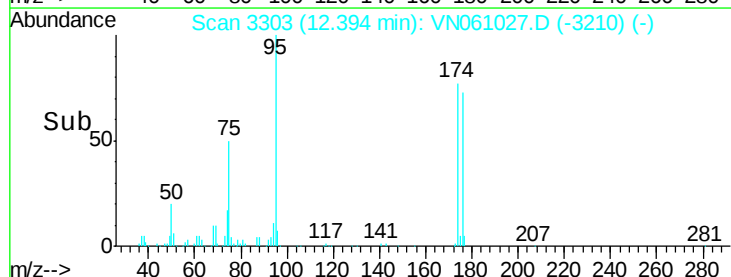
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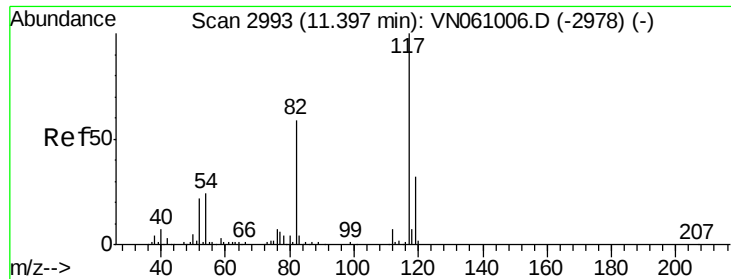
20000

0

12.35 12.40 12.45

Time-->

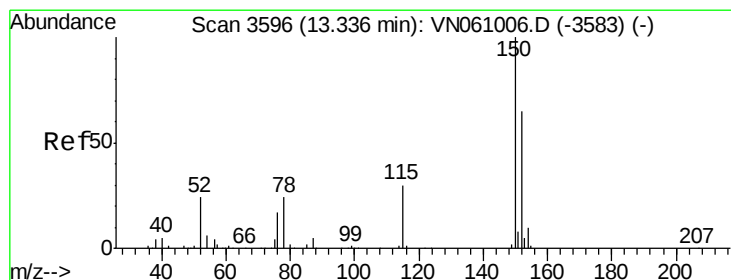
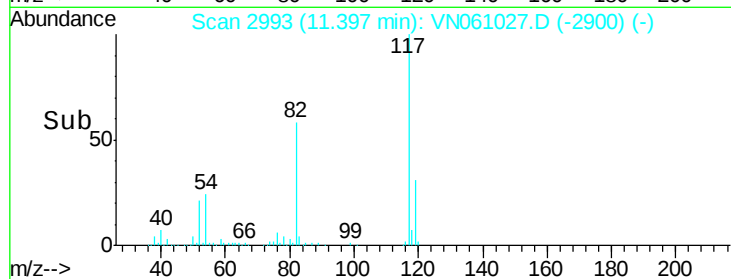
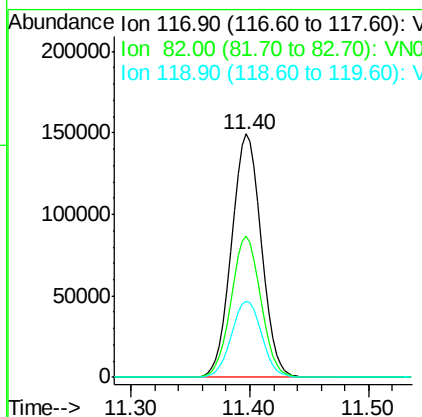
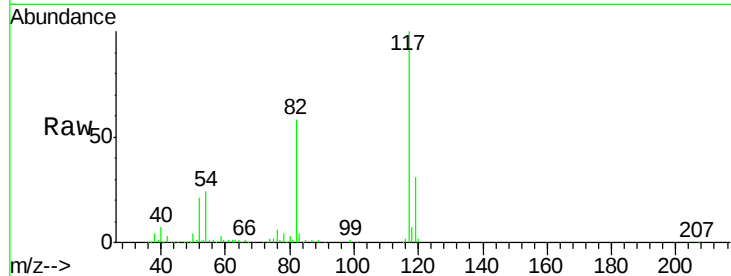




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2993  
Delta R.T. 0.00 min  
Lab File: VN061027.D  
Acq: 16 Apr 2020 21:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
WATER-RECLAIM-SYSTEM-SLUDG

Tot Ion:117 Resp: 258941  
Ion Ratio Lower Upper  
117 100  
82 57.9 47.1 70.7  
119 31.3 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3596  
Delta R.T. 0.00 min  
Lab File: VN061027.D  
Acq: 16 Apr 2020 21:13

Tgt Ion:152 Resp: 114445  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.8 92.4  
150 158.4 0.0 349.0

