

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\  
 Data File : VN060789.D  
 Acq On : 31 Mar 2020 16:28  
 Operator : JC/MD  
 Sample : L2070-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RECLAIM-SYSTEM-SLUDGE-PIT

Quant Time: Apr 01 09:16:15 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

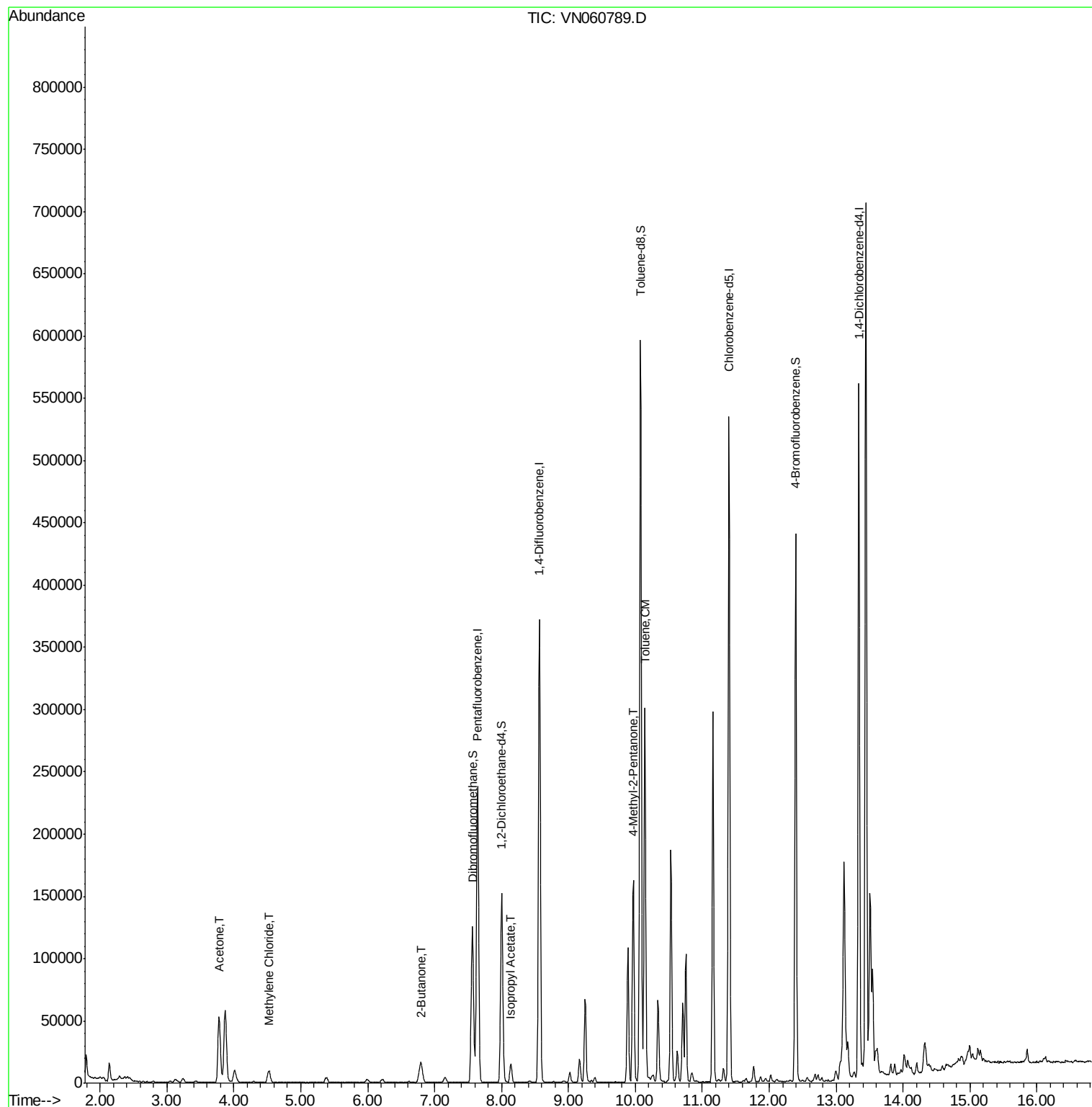
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64   | 168  | 196138   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56   | 114  | 328432   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40  | 117  | 311149   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34  | 152  | 145270   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65   | 129076   | 47.94  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 95.88%  |          |
| 35) Dibromofluoromethane    | 7.56   | 113  | 96987    | 48.84  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 97.68%  |          |
| 50) Toluene-d8              | 10.08  | 98   | 408561   | 50.37  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 100.74% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 155156   | 52.19  | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 104.38% |          |
| Target Compounds            |        |      |          |        |         |          |
| 16) Acetone                 | 3.78   | 43   | 92446    | 96.929 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.52   | 84   | 7518     | 3.204  | ug/l    | 93       |
| 25) 2-Butanone              | 6.80   | 43   | 26780    | 17.352 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.14   | 43   | 18288    | 3.227  | ug/l #  | 89       |
| 51) 4-Methyl-2-Pentanone    | 9.97   | 43   | 114809   | 35.601 | ug/l    | 99       |
| 52) Toluene                 | 10.14  | 92   | 130309   | 22.475 | ug/l    | 100      |

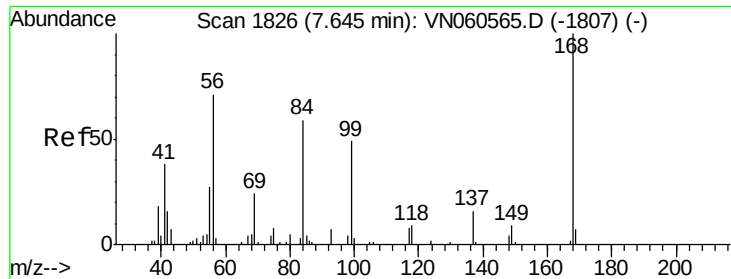
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033120\  
Data File : VN060789.D  
Acq On : 31 Mar 2020 16:28  
Operator : JC/MD  
Sample : L2070-02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
RECLAIM-SYSTEM-SLUDGE-PIT

Quant Time: Apr 01 09:16:15 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: VN060789.D

Acq: 31 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

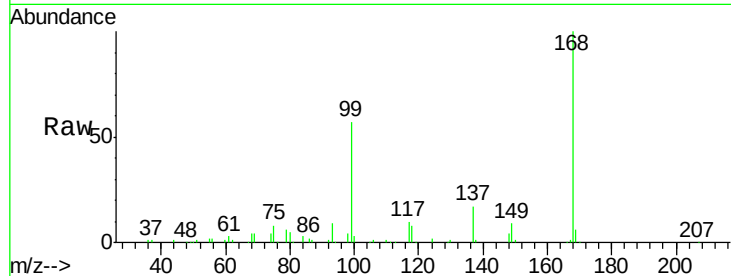
RECLAIM-SYSTEM-SLUDGE-PIT

Tot Ion:168 Resp: 196138

Ion Ratio Lower Upper

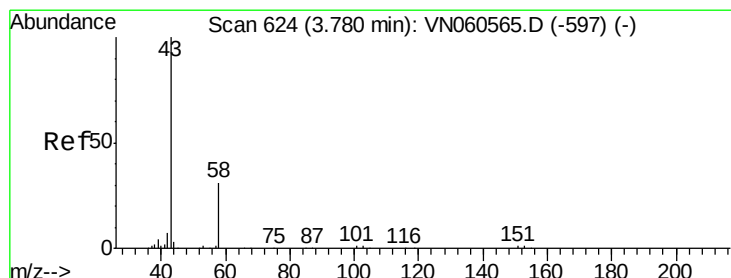
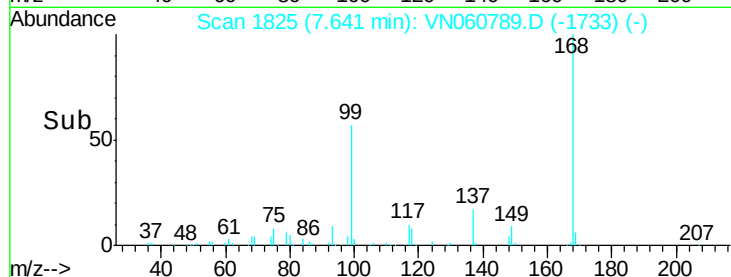
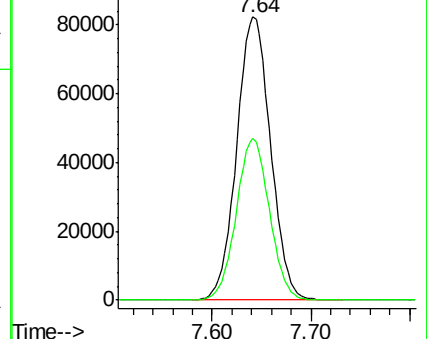
168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 96.929 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060789.D

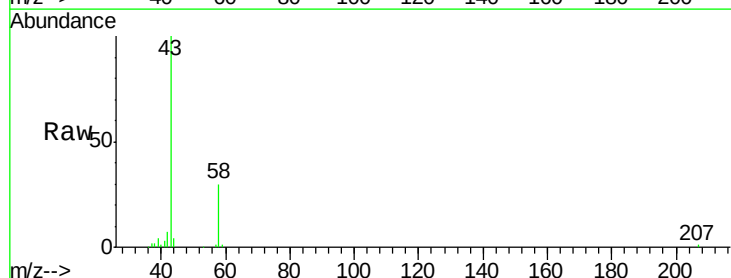
Acq: 31 Mar 2020 16:28

Tgt Ion: 43 Resp: 92446

Ion Ratio Lower Upper

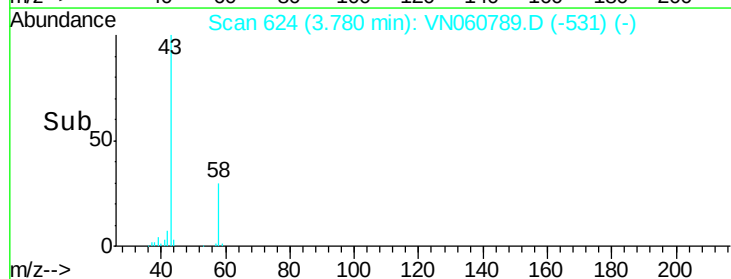
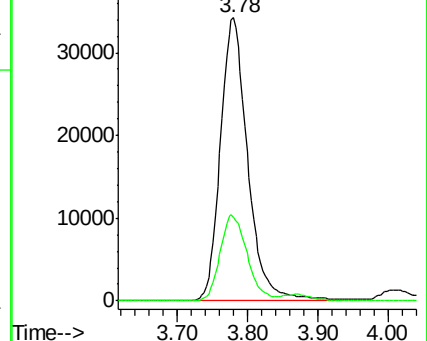
43 100

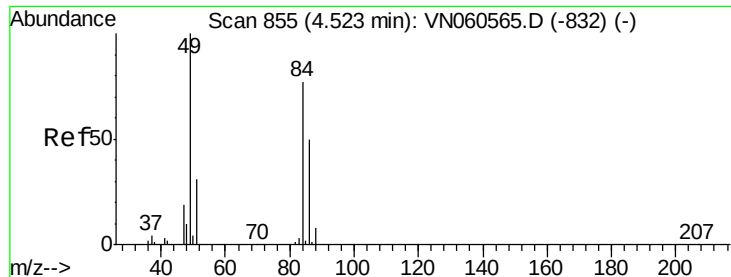
58 29.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

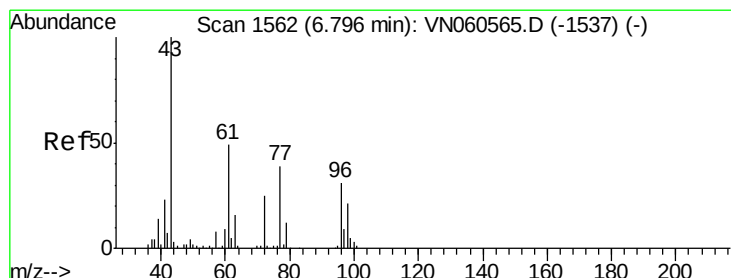
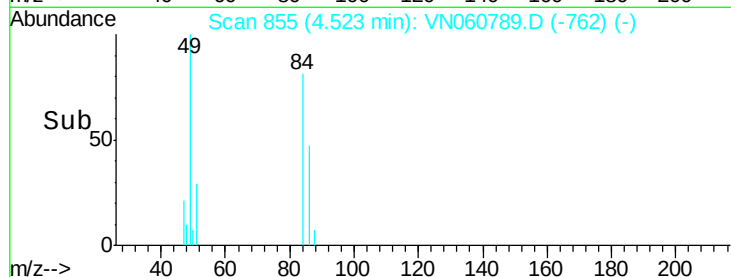
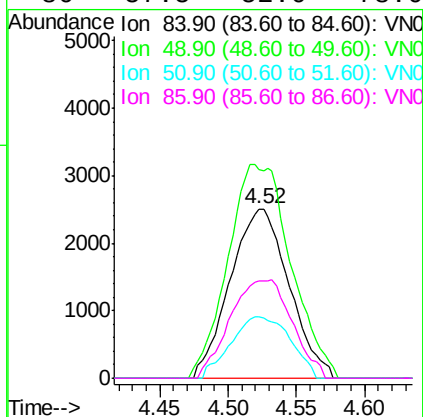
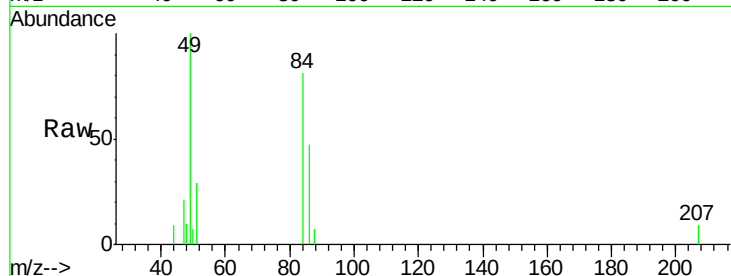




#20  
Methvlene Chloride  
Concen: 3.204 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060789.D  
Acq: 31 Mar 2020 16:28

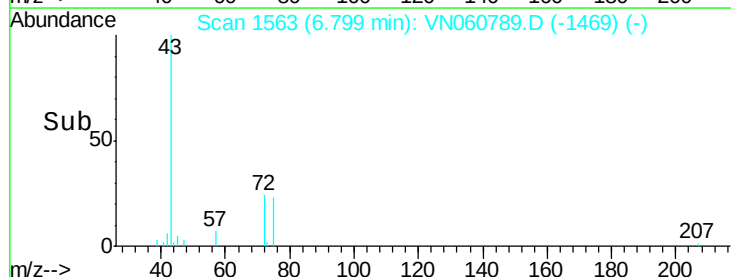
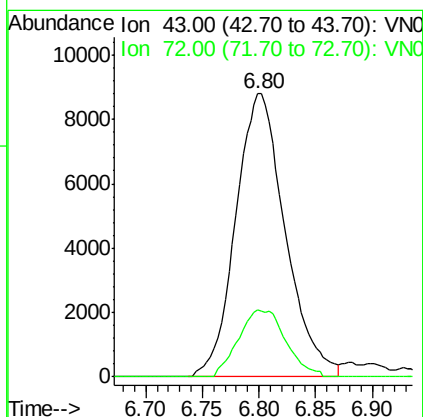
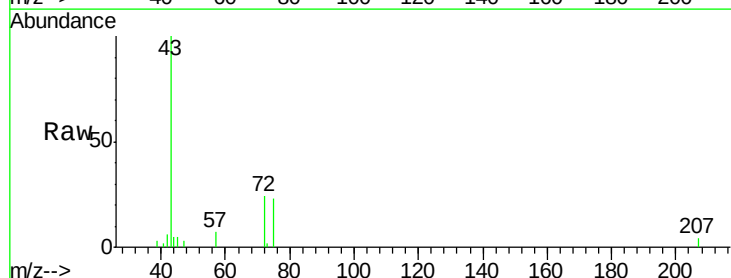
Instrument :  
MSVOA\_N  
ClientSampleId :  
RECLAIM-SYSTEM-SLUDGE-PIT

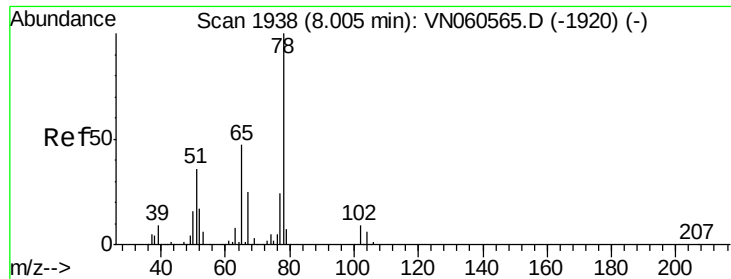
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 7518  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.9 | 103.3 | 154.9 |
| 51       | 36.1  | 31.6  | 47.4  |
| 86       | 57.5  | 52.0  | 78.0  |



#25  
2-Butanone  
Concen: 17.352 ug/l  
RT: 6.80 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VN060789.D  
Acq: 31 Mar 2020 16:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 26780 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.8  | 20.4  | 30.6  |

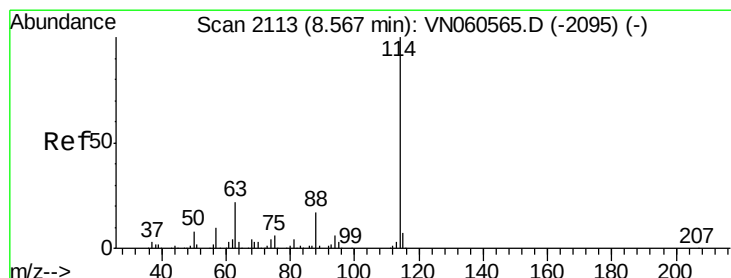
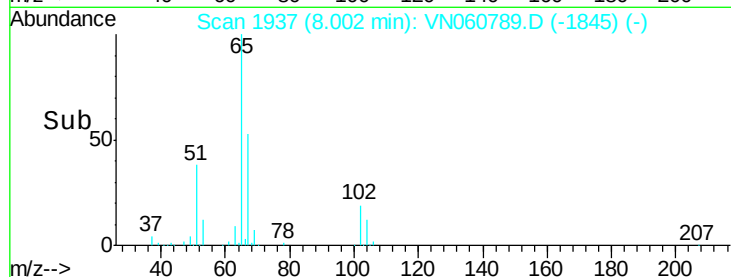
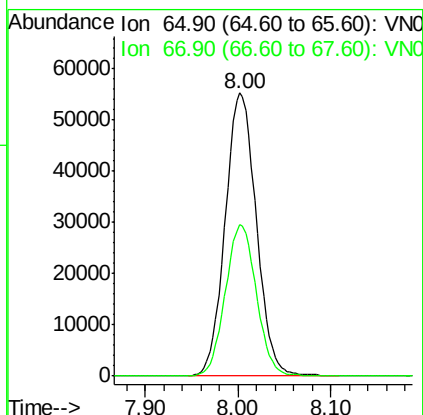
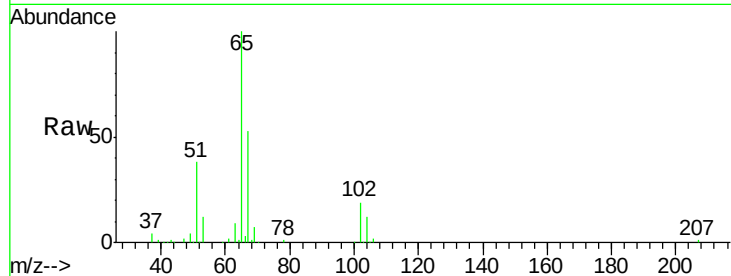




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.939 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN060789.D  
 Acq: 31 Mar 2020 16:28

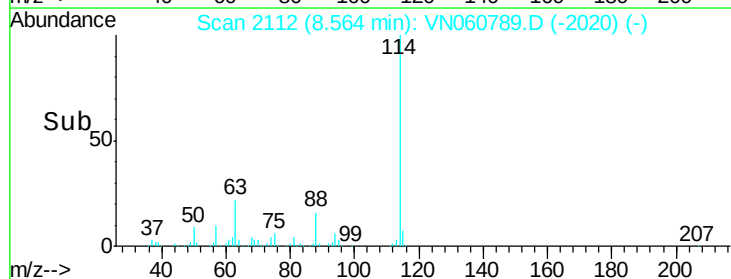
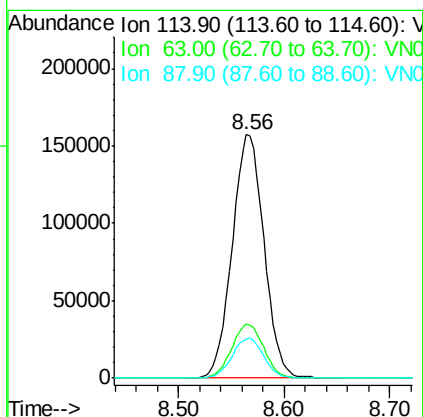
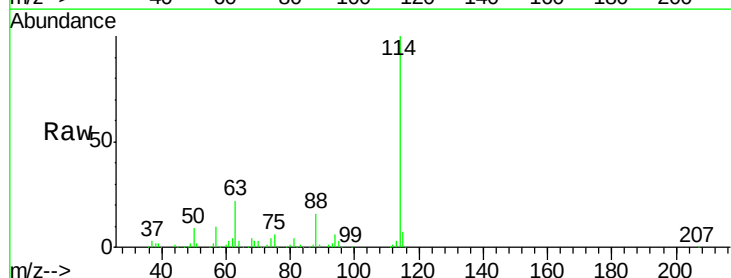
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RECLAIM-SYSTEM-SLUDGE-PIT

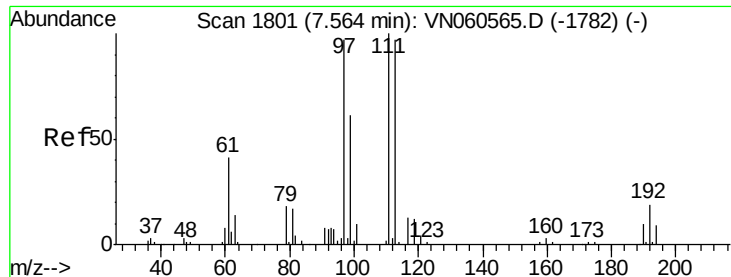
Tot Ion: 65 Resp: 129076  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 107.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060789.D  
 Acq: 31 Mar 2020 16:28

Tgt Ion: 114 Resp: 328432  
 Ion Ratio Lower Upper  
 114 100  
 63 22.1 0.0 43.8  
 88 16.2 0.0 33.0

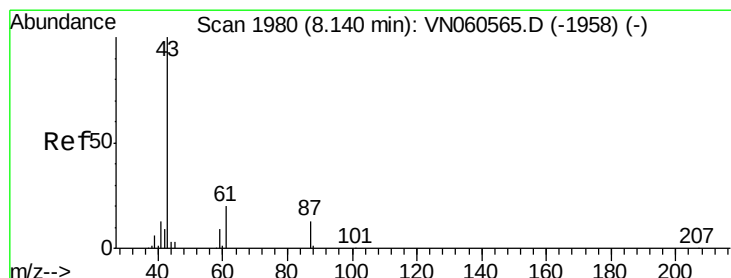
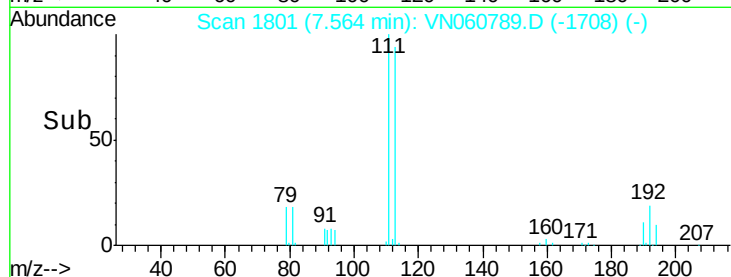
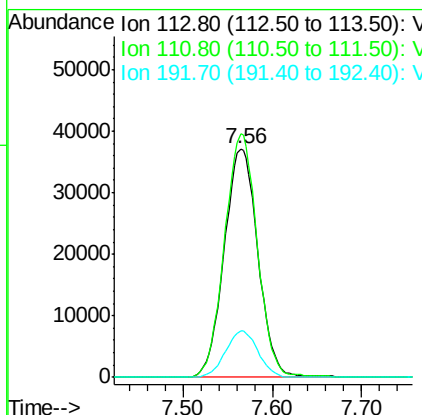
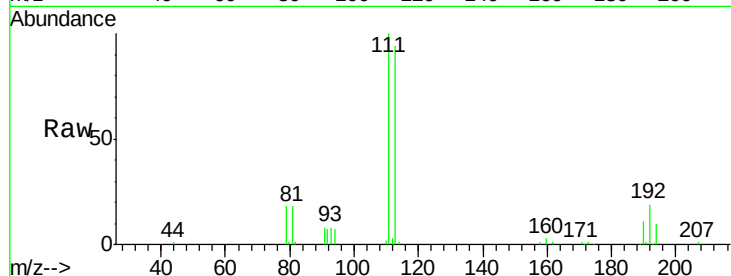




#35  
 Dibromofluoromethane  
 Concen: 48.837 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN060789.D  
 Acq: 31 Mar 2020 16:28

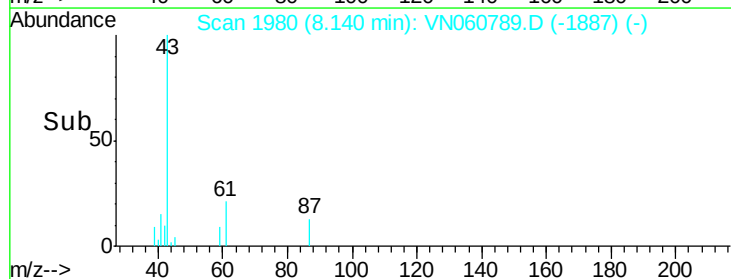
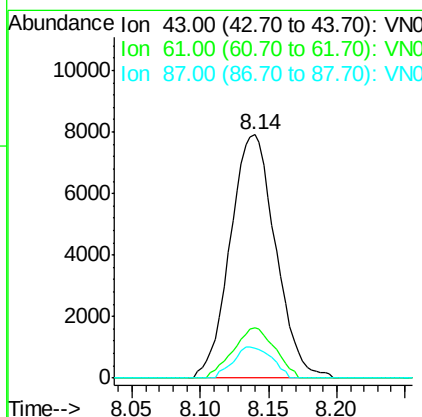
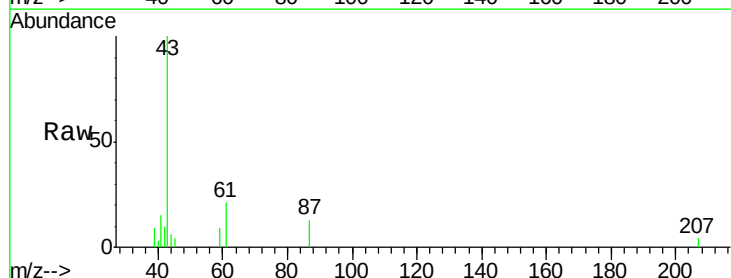
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RECLAIM-SYSTEM-SLUDGE-PIT

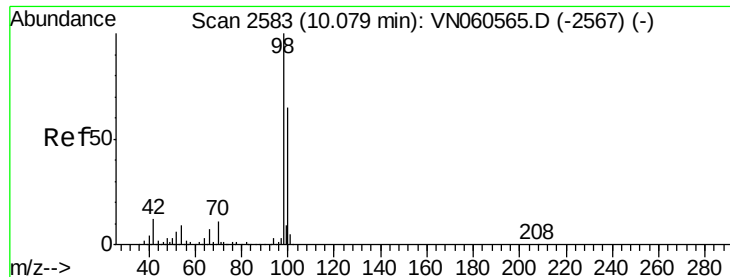
Tot Ion:113 Resp: 96987  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 82.9 124.3  
 192 19.6 15.8 23.8



#43  
 Isopropyl Acetate  
 Concen: 3.227 ug/l  
 RT: 8.14 min Scan# 1980  
 Delta R.T. 0.00 min  
 Lab File: VN060789.D  
 Acq: 31 Mar 2020 16:28

Tgt Ion: 43 Resp: 18288  
 Ion Ratio Lower Upper  
 43 100  
 61 19.0 20.7 31.1#  
 87 10.7 9.8 14.8





#50

Toluene-d8

Concen: 50.367 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060789.D

Acq: 31 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

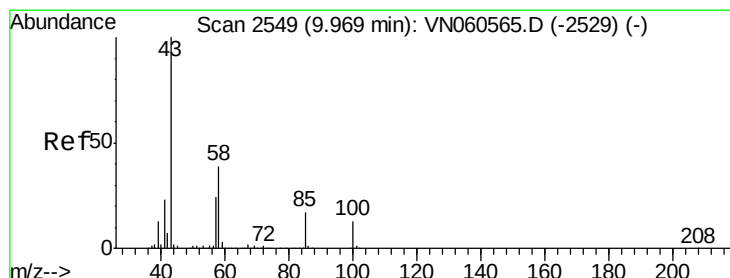
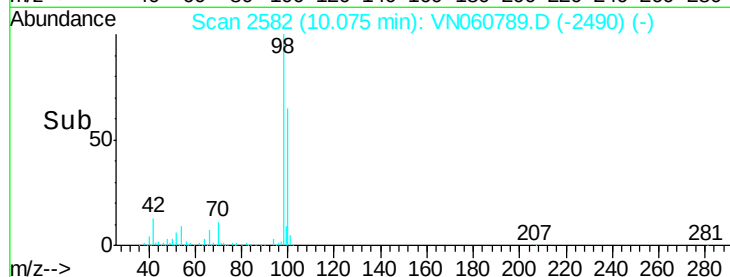
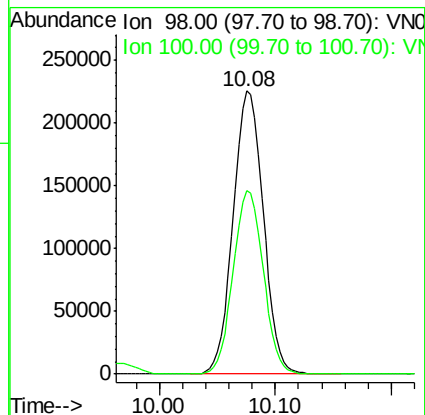
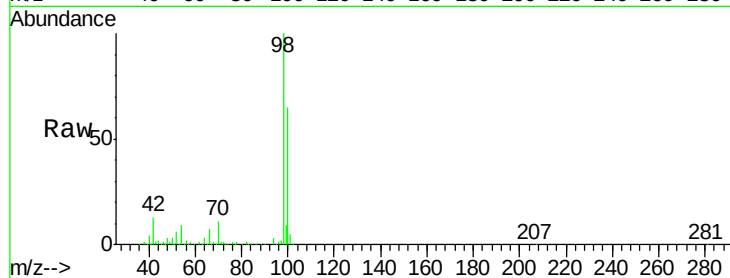
RECLAIM-SYSTEM-SLUDGE-PIT

Tot Ion: 98 Resp: 408561

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 35.601 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060789.D

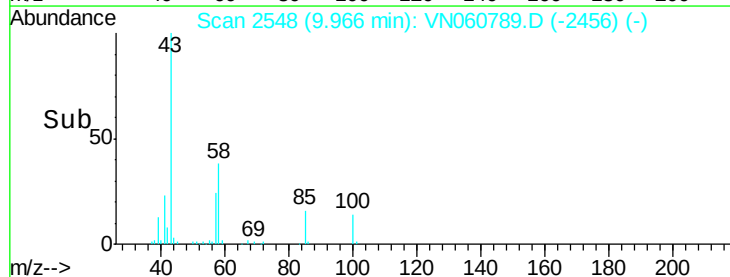
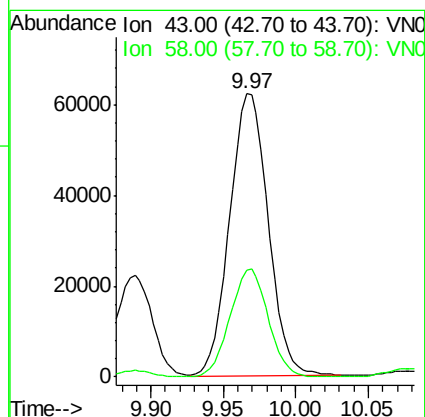
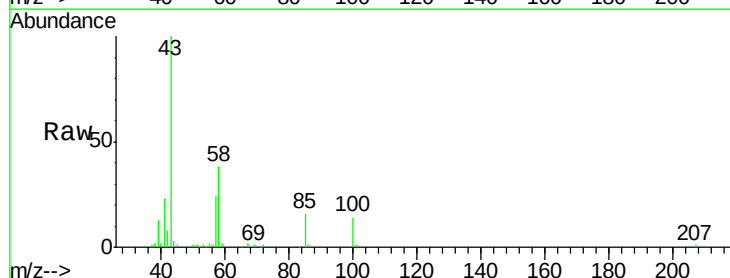
Acq: 31 Mar 2020 16:28

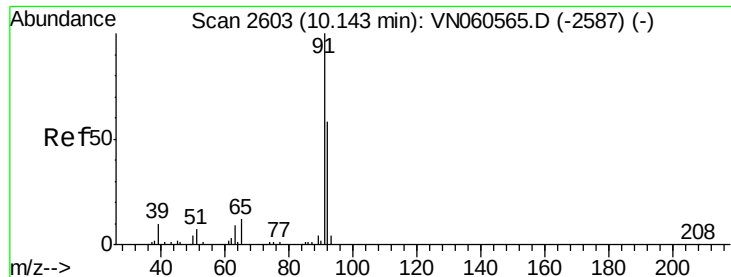
Tgt Ion: 43 Resp: 114809

Ion Ratio Lower Upper

43 100

58 37.7 30.8 46.2





#52

Toluene

Concen: 22.475 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060789.D

Acq: 31 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampled :

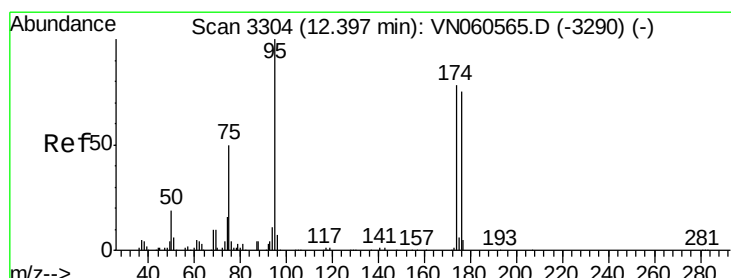
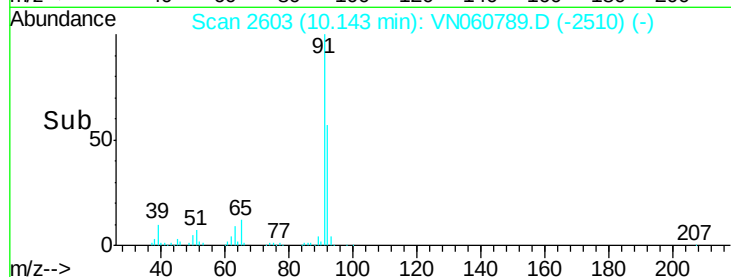
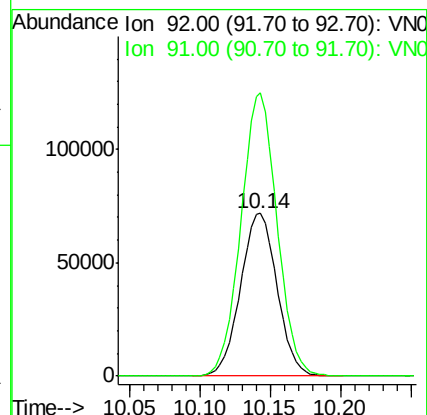
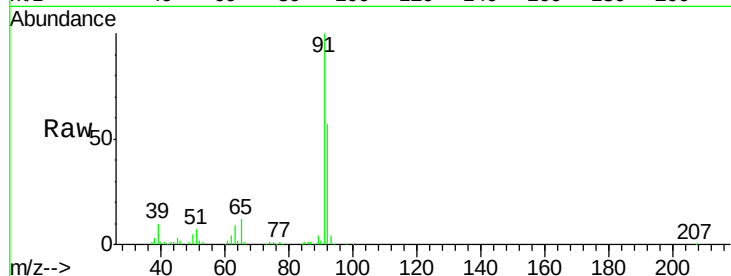
RECLAIM-SYSTEM-SLUDGE-PIT

Tot Ion: 92 Resp: 130309

Ion Ratio Lower Upper

92 100

91 172.1 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 52.191 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060789.D

Acq: 31 Mar 2020 16:28

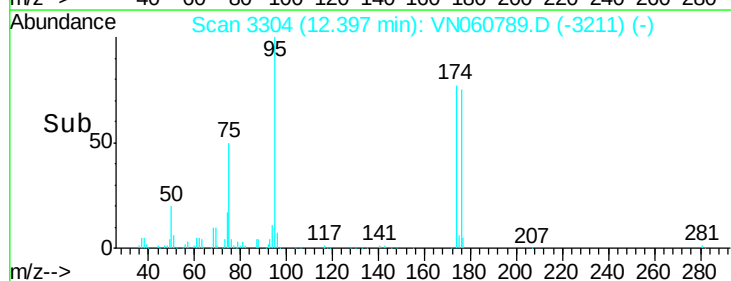
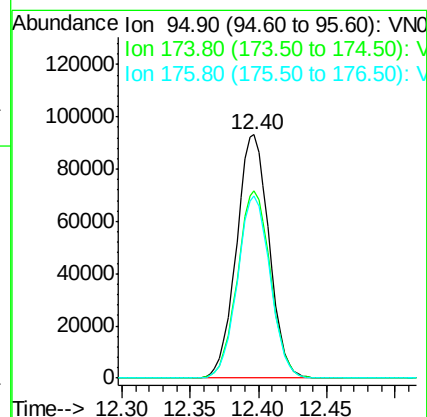
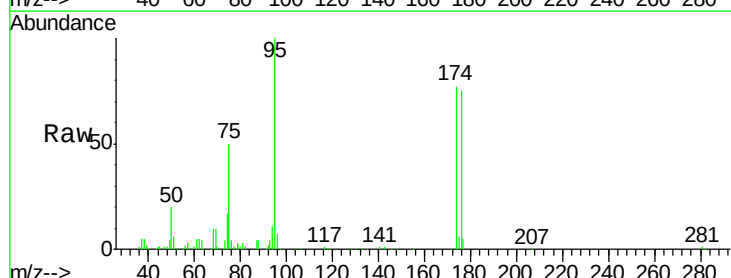
Tgt Ion: 95 Resp: 155156

Ion Ratio Lower Upper

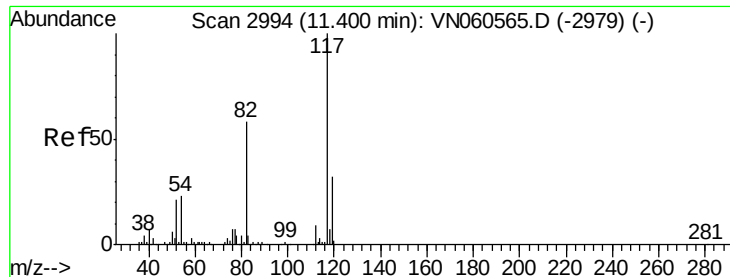
95 100

174 77.3 0.0 157.6

176 74.7 0.0 150.6



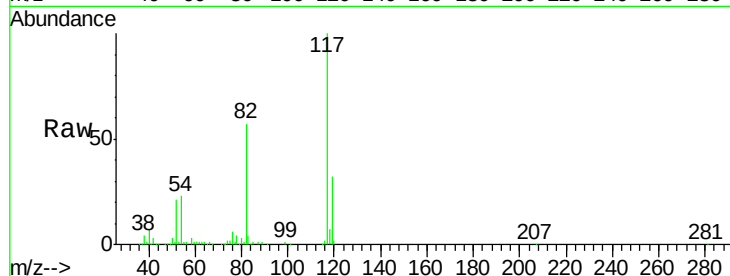




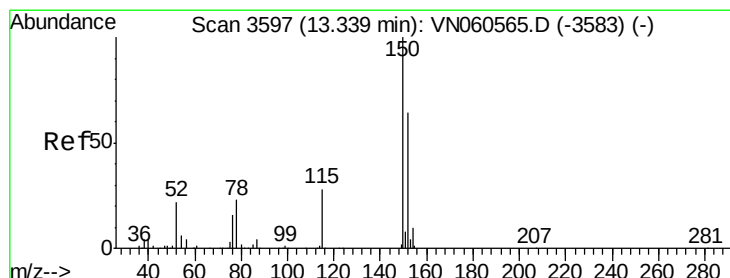
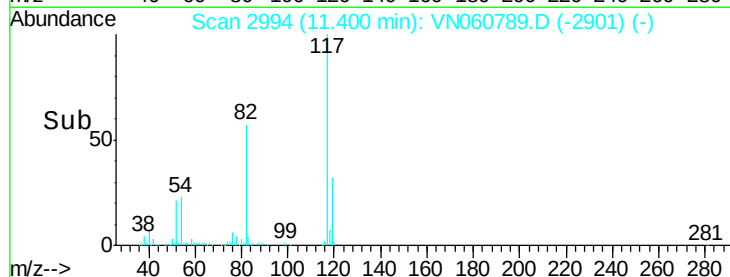
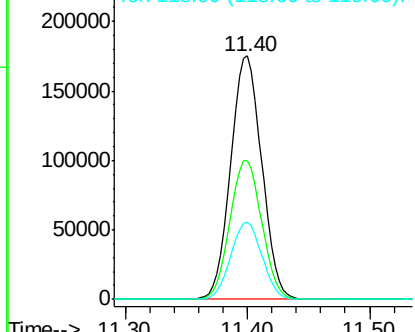
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060789.D  
Acq: 31 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
RECLAIM-SYSTEM-SLUDGE-PIT

Tot Ion:117 Resp: 311149  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.7 70.1  
119 31.7 25.5 38.3

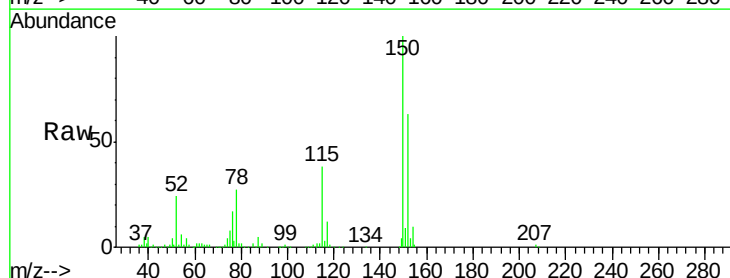


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060789.D  
Acq: 31 Mar 2020 16:28

Tgt Ion:152 Resp: 145270  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.2 90.6  
150 158.0 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

