

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\  
 Data File : VN051451.D  
 Acq On : 24 Sep 2018 11:03  
 Operator : MD\SY  
 Sample : J4993-04  
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NS-SLUDGE

Quant Time: Sep 25 02:31:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092318W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 24 06:41:32 2018  
 Response via : Initial Calibration

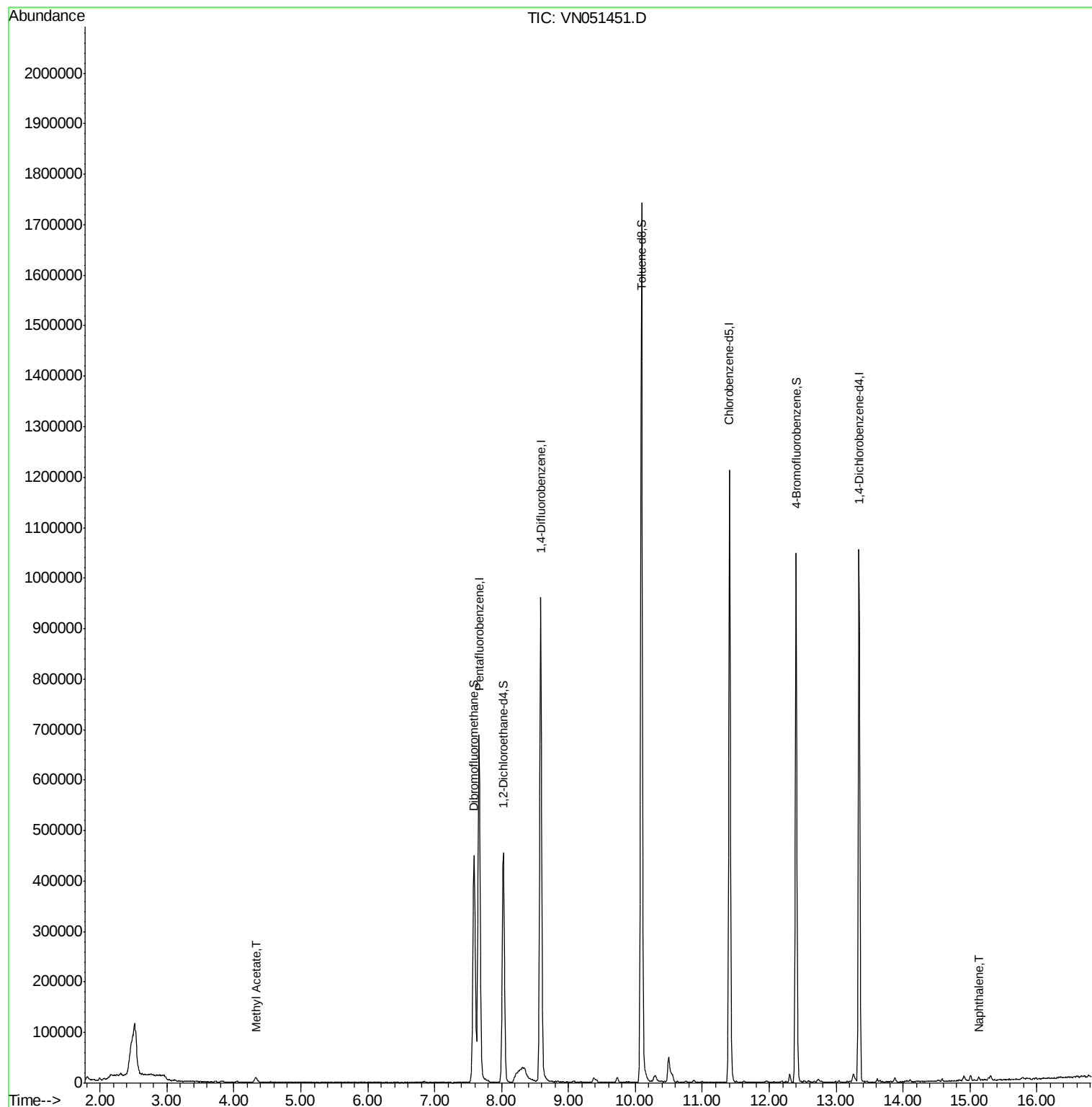
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 593116   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 880033   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 731249   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 289108   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 389619   | 52.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.88% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 342659   | 48.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.38%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1253526  | 47.30 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.60%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 340993   | 39.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.56%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 18) Methyl Acetate          | 4.33  | 43   | 19961    | 3.528 | ug/l    | 97       |
| 95) Naphthalene             | 15.13 | 128  | 6338     | 8.539 | ug/l #  | 93       |

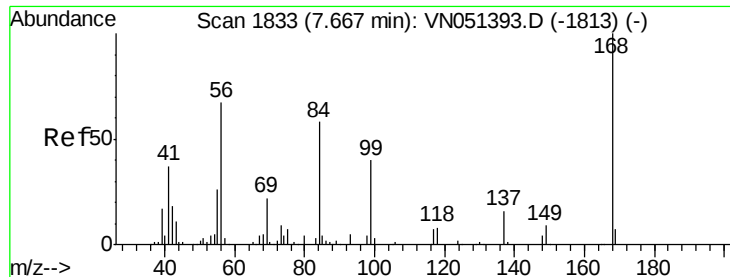
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN092418\  
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Acq On : 24 Sep 2018 11:03  
Operator : MD\SY  
Sample : J4993-04  
Misc : 5.09g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
NS-SLUDGE

Quant Time: Sep 25 02:31:50 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N092318W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 24 06:41:32 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051451.D

Acq: 24 Sep 2018 11:03

Instrument :

MSVOA\_N

ClientSampled :

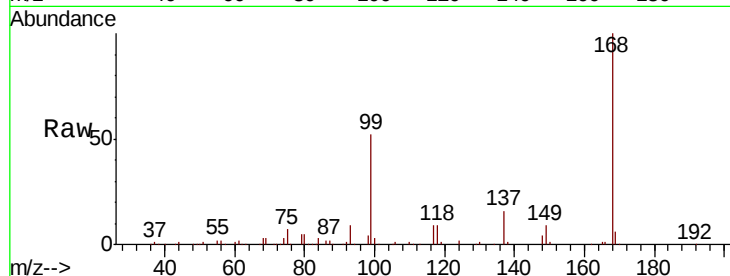
NS-SLUDGE

Tot Ion:168 Resp: 593116

Ion Ratio Lower Upper

168 100

99 51.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.66

250000

200000

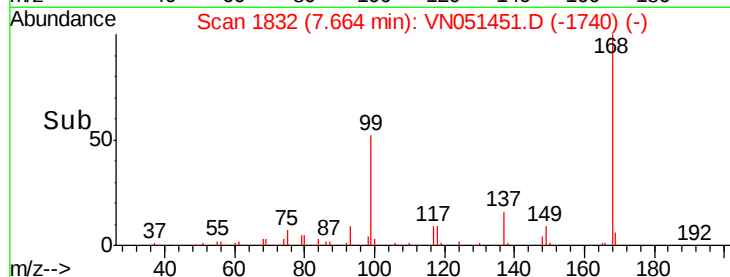
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 3.528 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051451.D

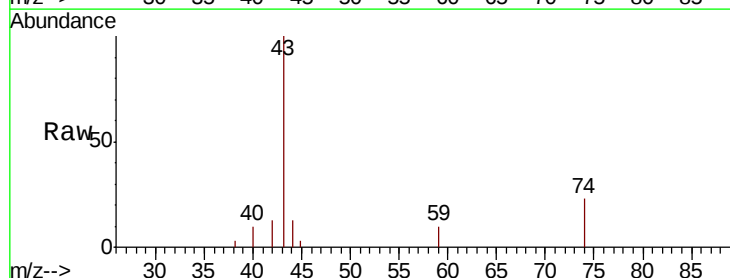
Acq: 24 Sep 2018 11:03

Tgt Ion: 43 Resp: 19961

Ion Ratio Lower Upper

43 100

74 22.2 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)

4.33

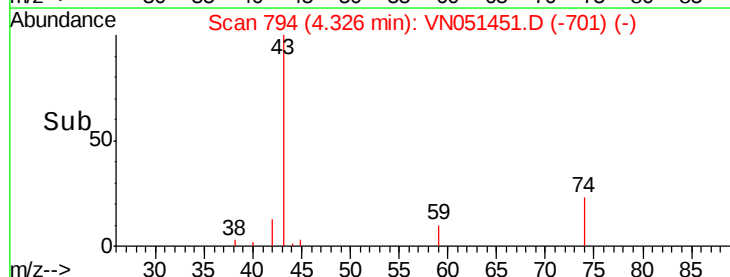
6000

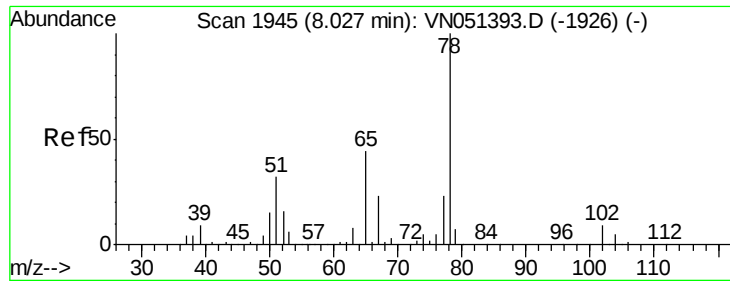
4000

2000

0

Time-->

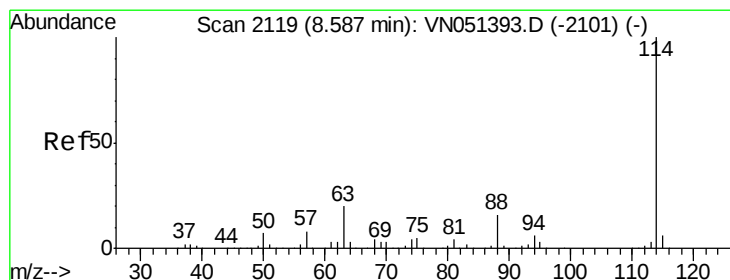
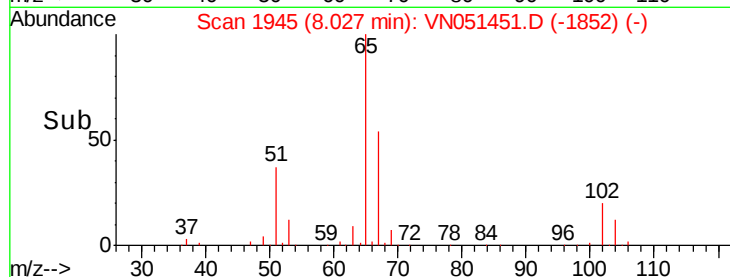
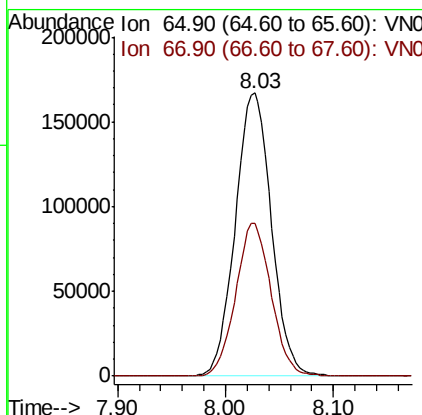
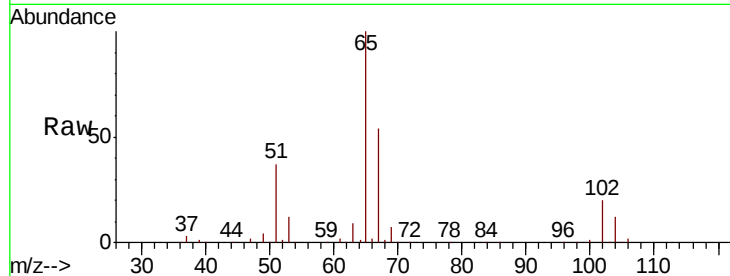




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.440 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051451.D  
 Acq: 24 Sep 2018 11:03

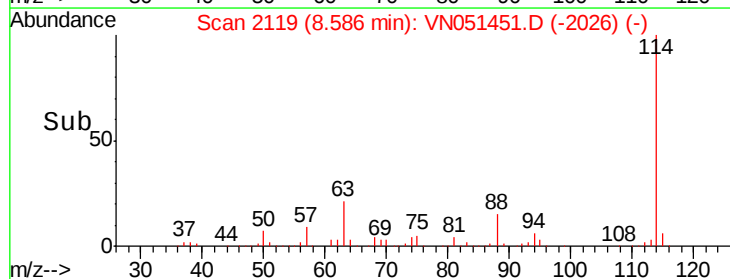
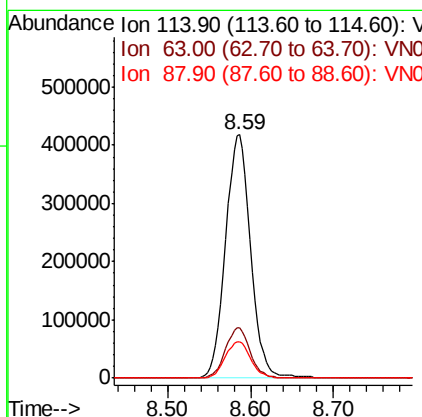
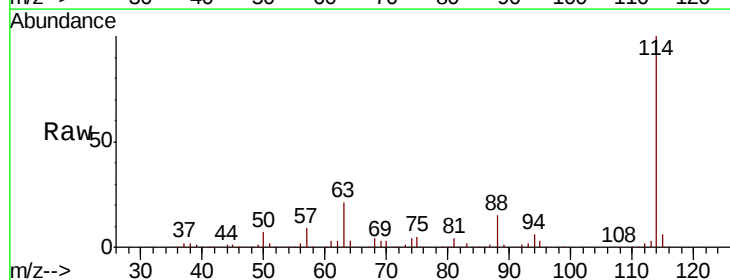
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NS-SLUDGE

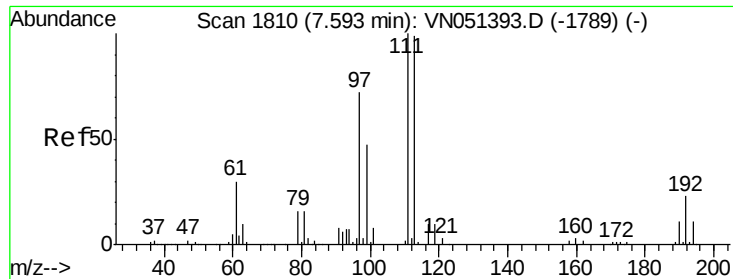
Tot Ion: 65 Resp: 389619  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051451.D  
 Acq: 24 Sep 2018 11:03

Tgt Ion: 114 Resp: 880033  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 40.2  
 88 15.1 0.0 31.4

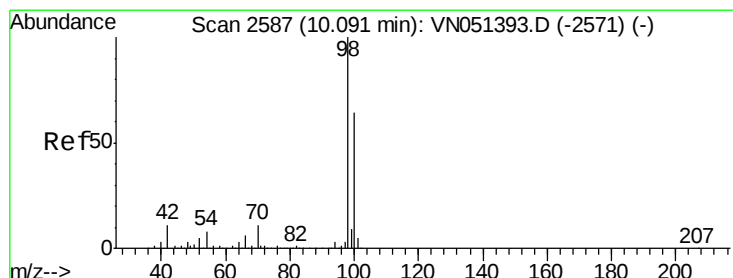
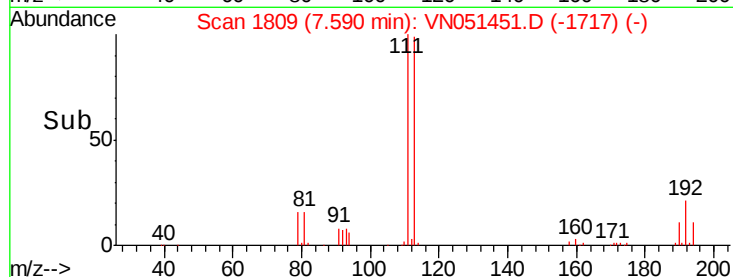
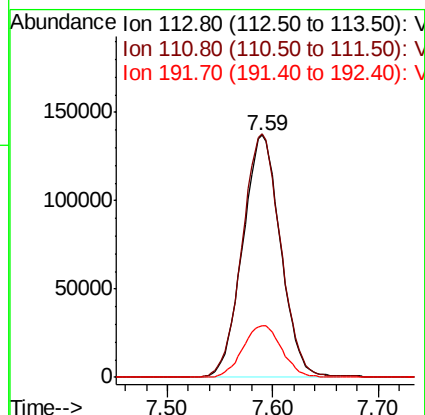
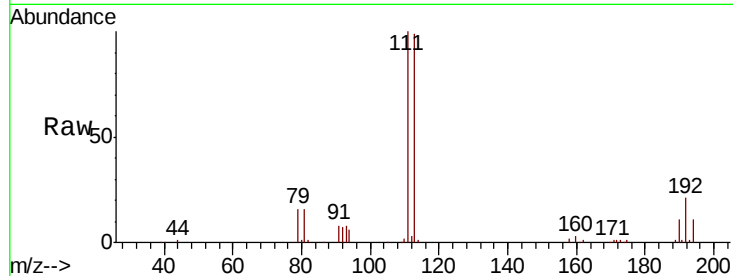




#35  
 Dibromofluoromethane  
 Concen: 48.692 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN051451.D  
 Acq: 24 Sep 2018 11:03

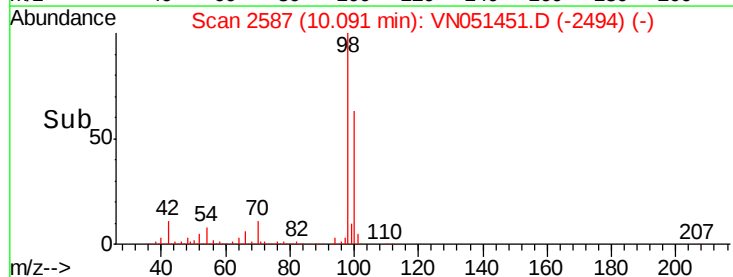
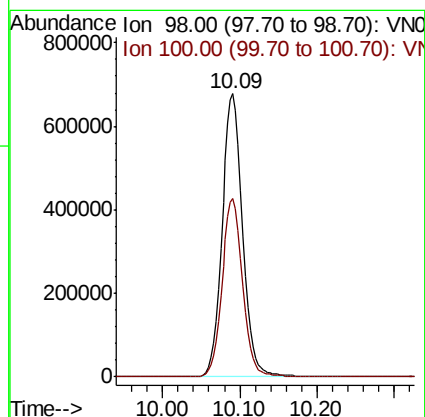
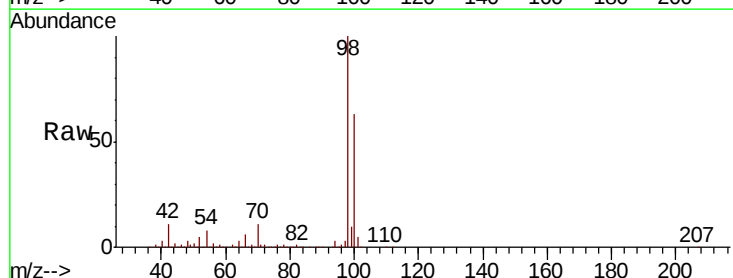
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NS-SLUDGE

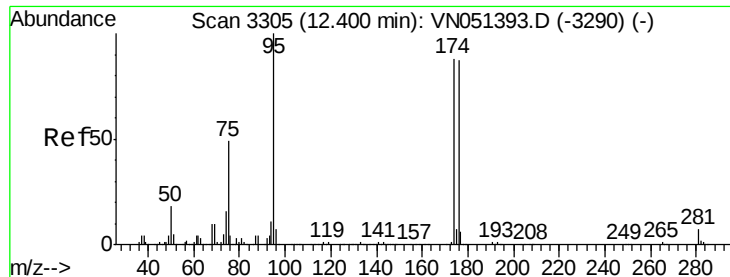
Tot Ion:113 Resp: 342659  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 82.6 123.8  
 192 22.0 18.0 27.0



#50  
 Toluene-d8  
 Concen: 47.303 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: VN051451.D  
 Acq: 24 Sep 2018 11:03

Tgt Ion: 98 Resp: 1253526  
 Ion Ratio Lower Upper  
 98 100  
 100 63.2 50.6 75.8

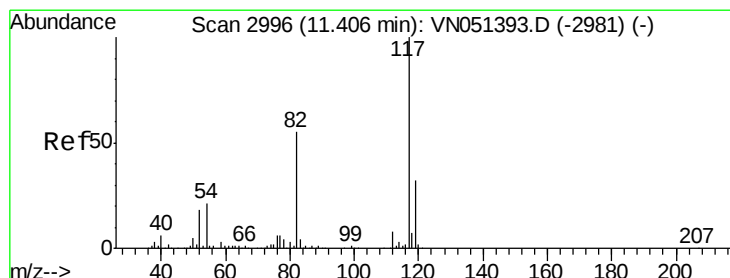
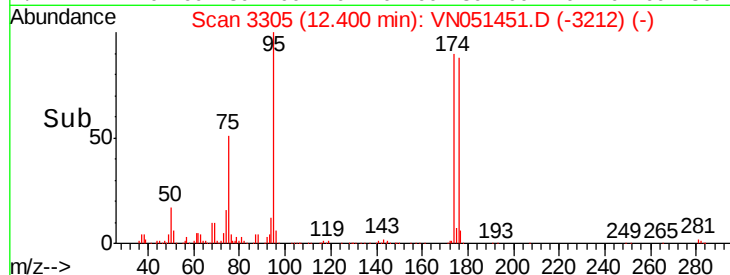
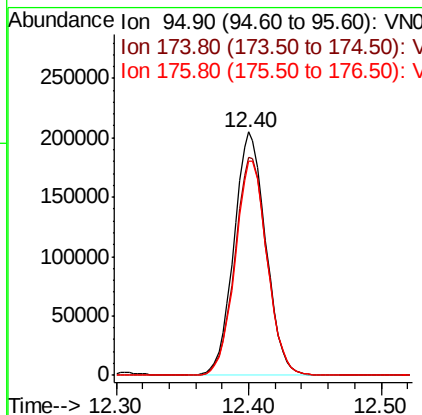
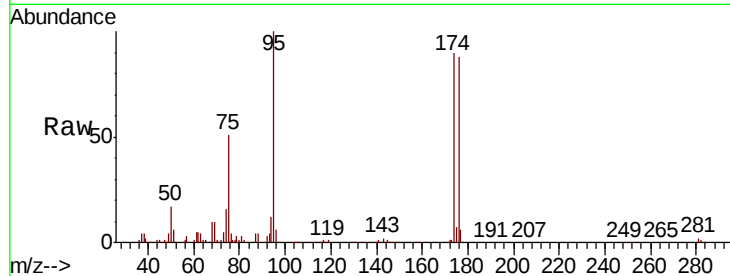




#62  
4-Bromofluorobenzene  
Concen: 39.777 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN051451.D  
Acq: 24 Sep 2018 11:03

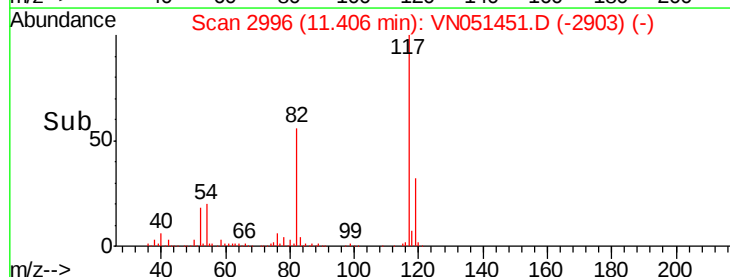
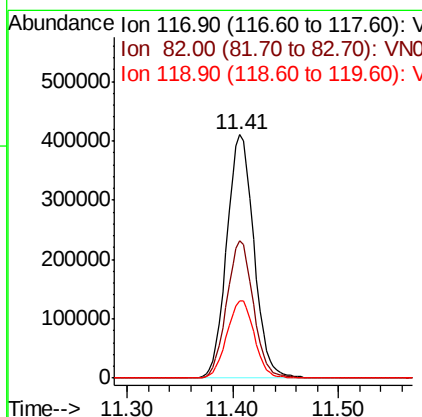
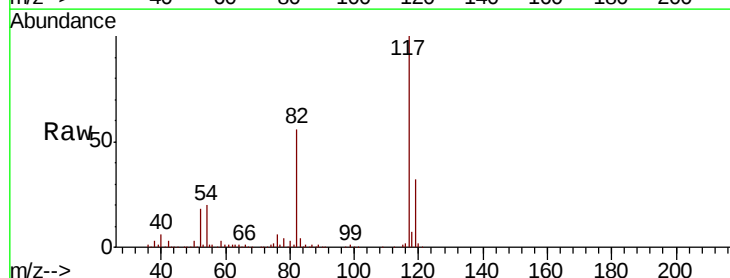
Instrument :  
MSVOA\_N  
ClientSampled :  
NS-SLUDGE

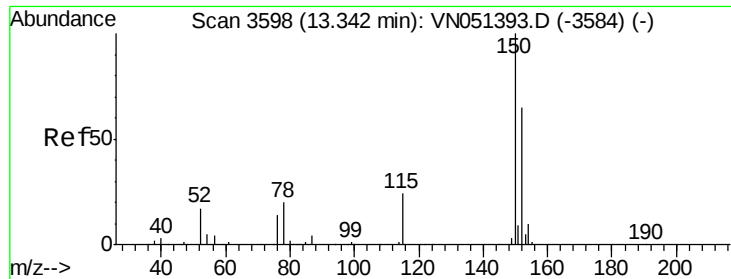
| Tot Ion   | 95    | Resp  | 340993 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 90.6  | 0.0   | 181.6  |
| 176       | 88.5  | 0.0   | 176.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051451.D  
Acq: 24 Sep 2018 11:03

| Tgt Ion   | 117   | Resp  | 731249 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.3  | 44.2  | 66.2   |
| 119       | 31.8  | 25.9  | 38.9   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051451.D

Acq: 24 Sep 2018 11:03

Instrument :

MSVOA\_N

ClientSampleId :

NS-SLUDGE

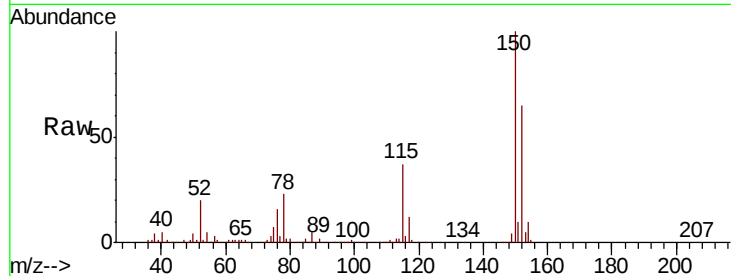
Tot Ion:152 Resp: 289108

Ion Ratio Lower Upper

152 100

115 56.5 28.3 84.9

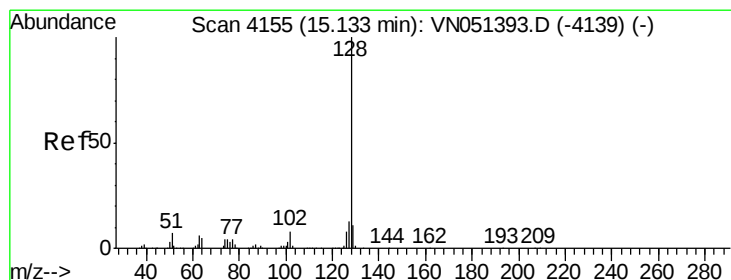
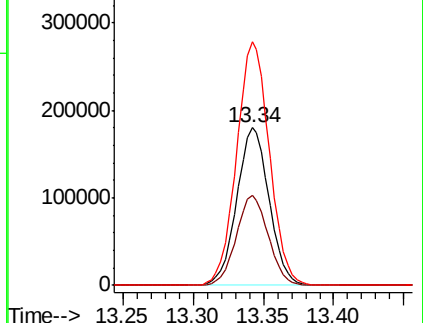
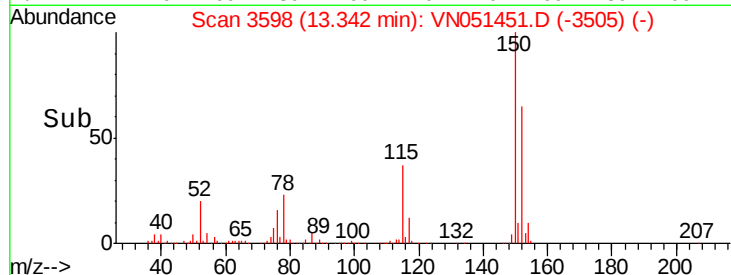
150 156.5 0.0 353.6



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



#95

Naphthalene

Concen: 8.539 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051451.D

Acq: 24 Sep 2018 11:03

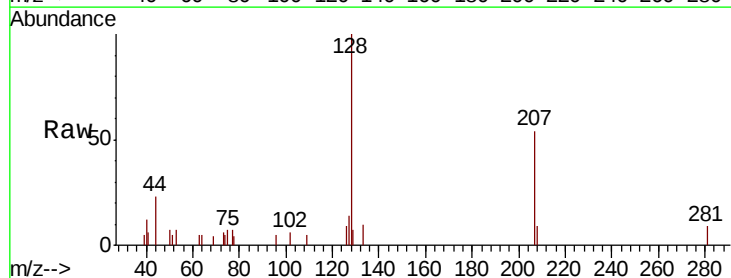
Tgt Ion:128 Resp: 6338

Ion Ratio Lower Upper

128 100

127 14.5 10.5 15.7

129 6.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

