

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\  
 Data File : VN055560.D  
 Acq On : 10 May 2019 18:39  
 Operator : JC/SP  
 Sample : K2770-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OILY-STONES

Quant Time: May 11 02:06:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 10 06:48:32 2019  
 Response via : Initial Calibration

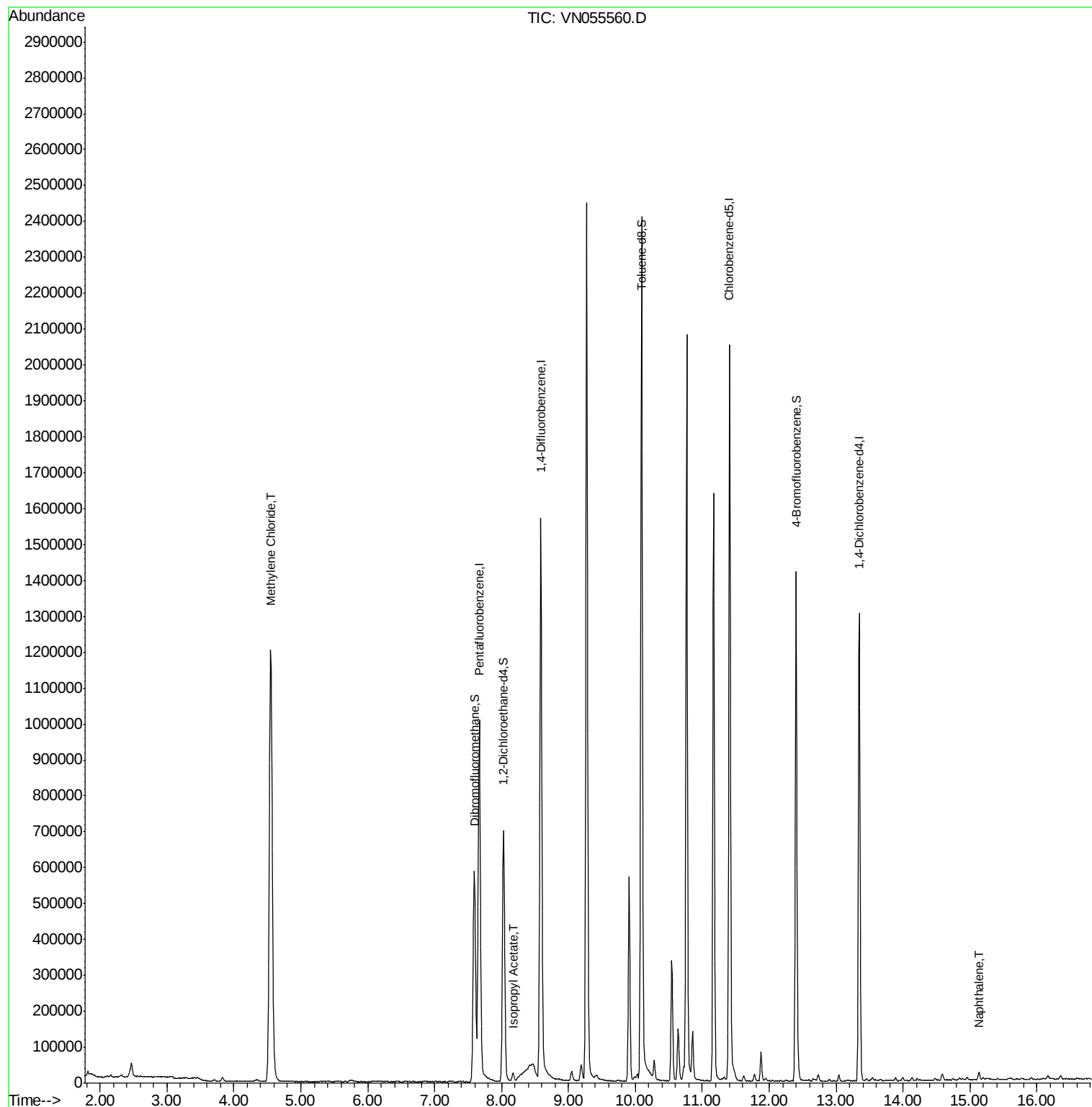
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.67   | 168  | 846606   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 1476485  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 1211800  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 358318   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 593399   | 46.55  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 93.10% |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 458239   | 48.11  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 96.22% |          |
| 50) Toluene-d8              | 10.09  | 98   | 1780163  | 47.96  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 95.92% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 517749   | 41.37  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 82.74% |          |
| Target Compounds            |        |      |          |        |        |          |
| 20) Methylene Chloride      | 4.55   | 84   | 904341   | 74.930 | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.17   | 43   | 28003    | 1.162  | ug/l   | 100      |
| 95) Naphthalene             | 15.14  | 128  | 17978    | 4.070  | ug/l   | 98       |

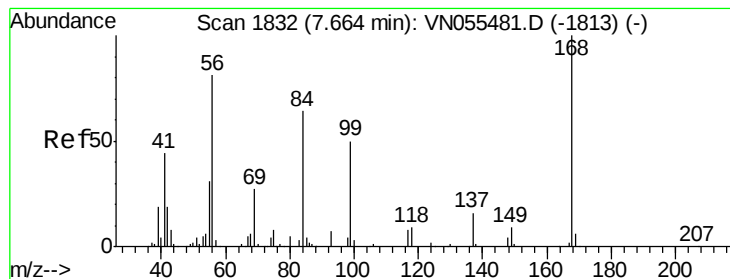
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051019\  
Data File : VN055560.D  
Acq On : 10 May 2019 18:39  
Operator : JC/SP  
Sample : K2770-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OILY-STONES

Quant Time: May 11 02:06:17 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N050819W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 10 06:48:32 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055560.D

Acq: 10 May 2019 18:39

Instrument :

MSVOA\_N

ClientSampleId :

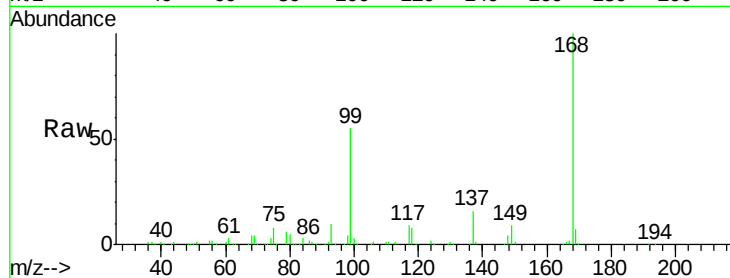
OILY-STONES

Tot Ion:168 Resp: 846606

Ion Ratio Lower Upper

168 100

99 55.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

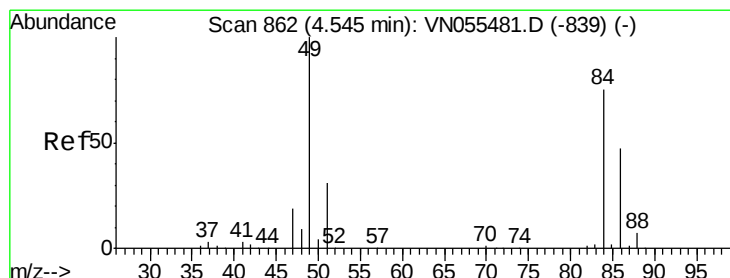
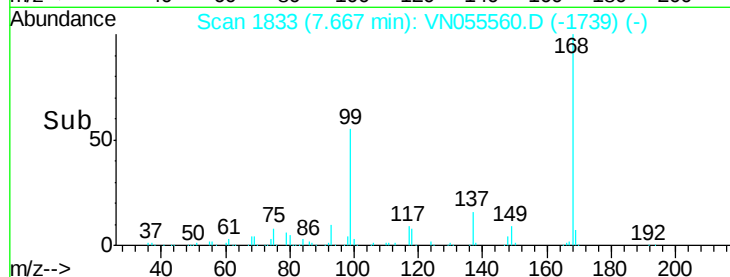
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 74.930 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN055560.D

Acq: 10 May 2019 18:39

Tgt Ion: 84 Resp: 904341

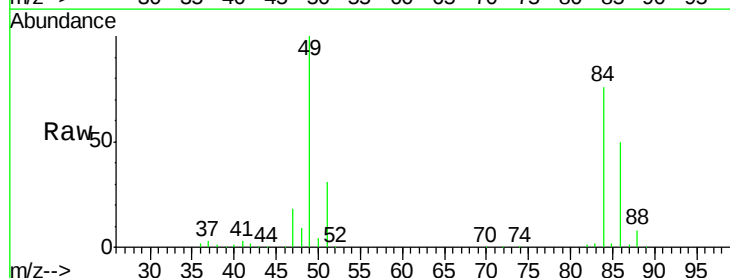
Ion Ratio Lower Upper

84 100

49 132.2 107.0 160.6

51 40.8 33.0 49.4

86 65.8 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

600000

500000

400000

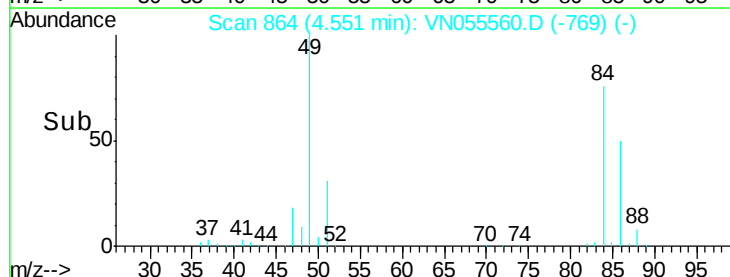
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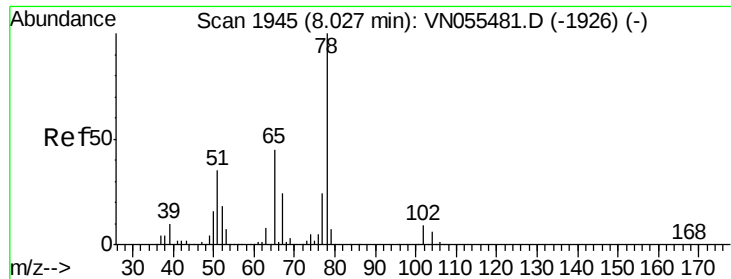
200000

100000

0

Time-->

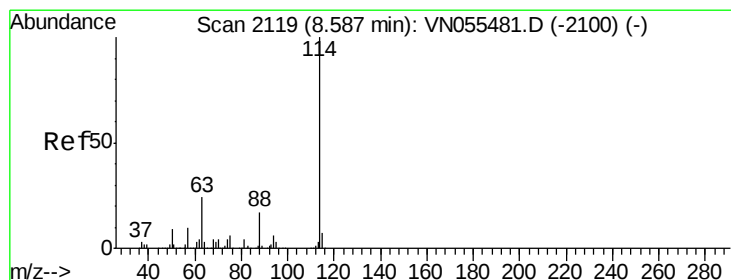
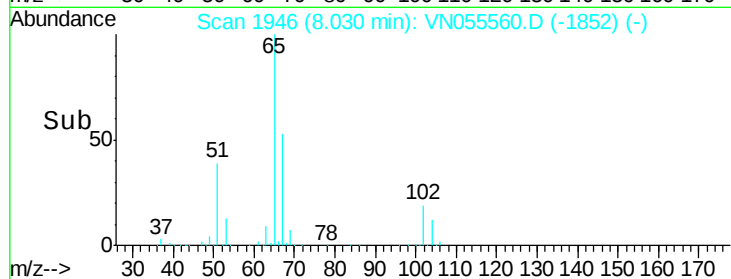
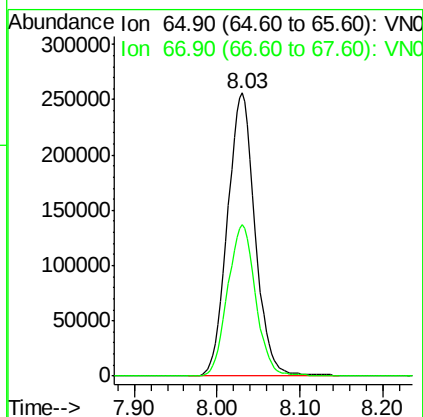
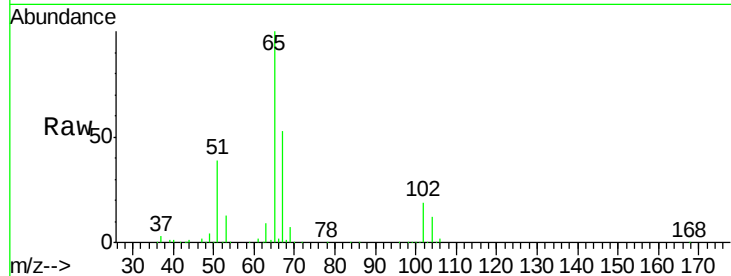




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.552 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN055560.D  
 Acq: 10 May 2019 18:39

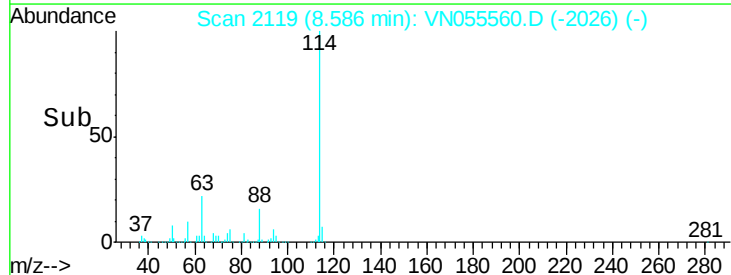
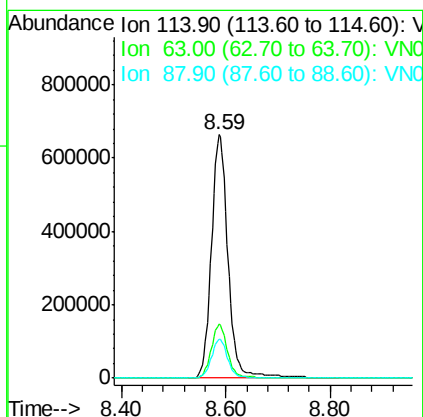
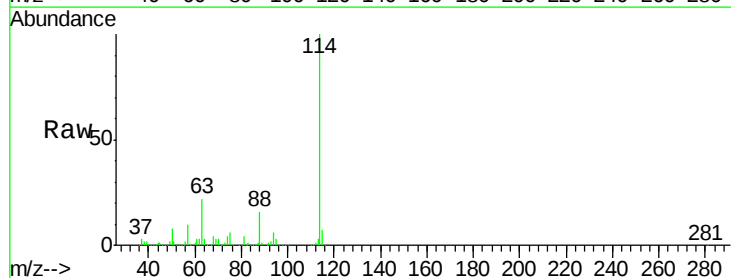
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OILY-STONES

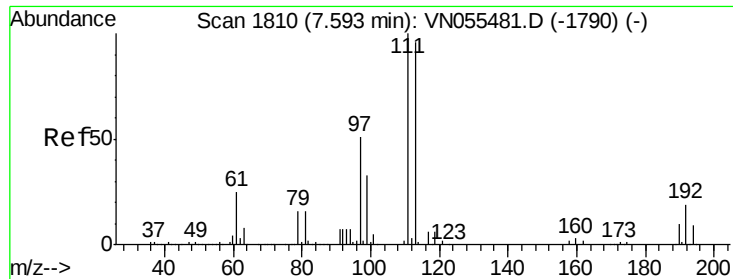
Tot Ion: 65 Resp: 593399  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN055560.D  
 Acq: 10 May 2019 18:39

Tgt Ion: 114 Resp: 1476485  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 47.4  
 88 15.9 0.0 34.0

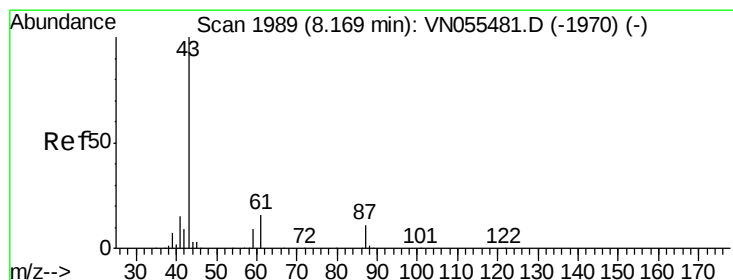
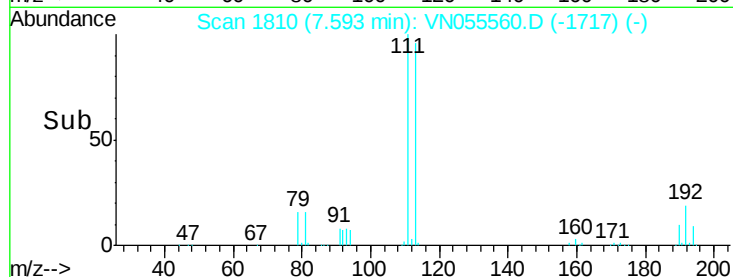
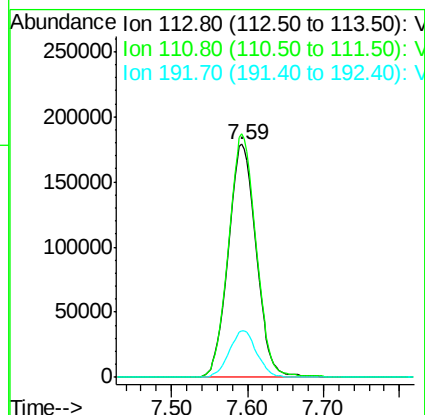
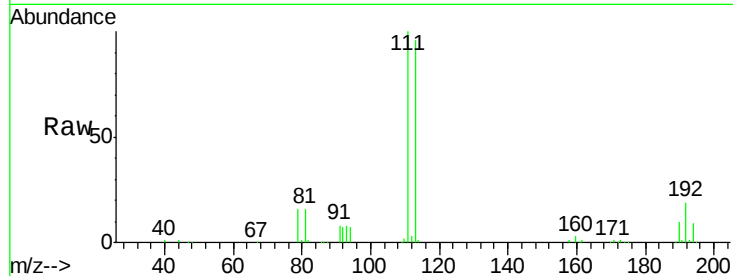




#35  
 Dibromofluoromethane  
 Concen: 48.112 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN055560.D  
 Acq: 10 May 2019 18:39

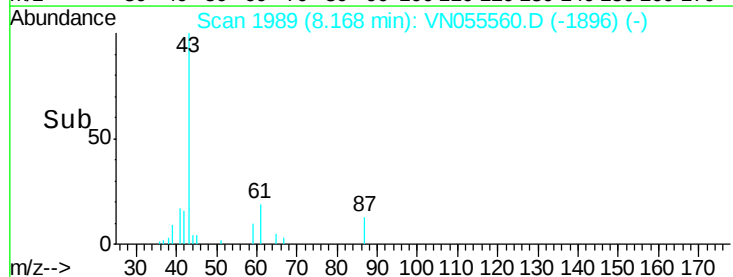
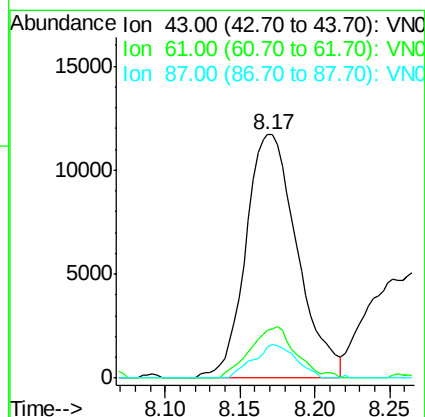
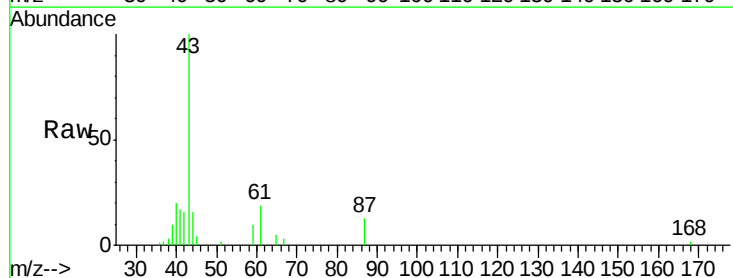
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OILY-STONES

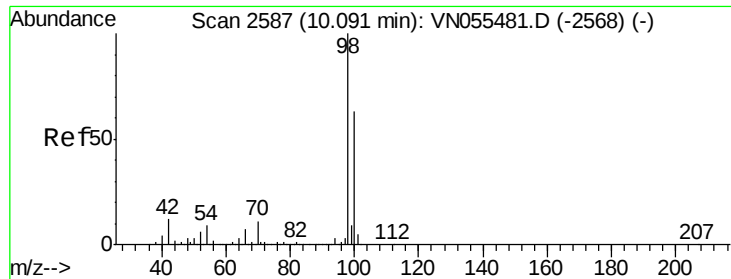
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 82.9  | 124.3 |
| 192     | 19.6  | 15.6  | 23.4  |



#43  
 Isopropyl Acetate  
 Concen: 1.162 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. -0.00 min  
 Lab File: VN055560.D  
 Acq: 10 May 2019 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.6  | 15.1  | 22.7  |
| 87      | 11.3  | 9.0   | 13.6  |





#50

Toluene-d8

Concen: 47.962 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055560.D

Acq: 10 May 2019 18:39

Instrument :

MSVOA\_N

ClientSampled :

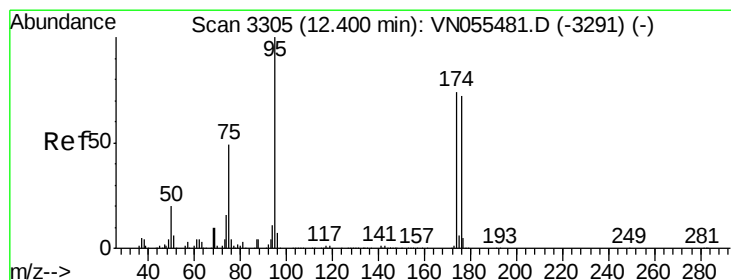
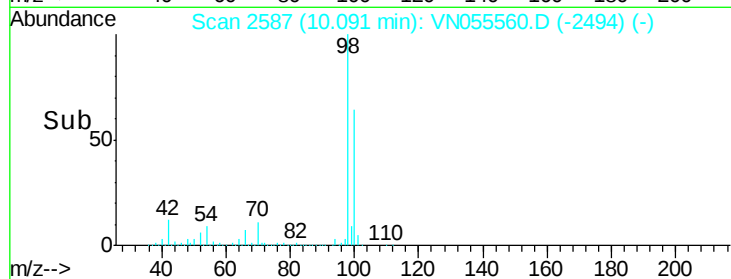
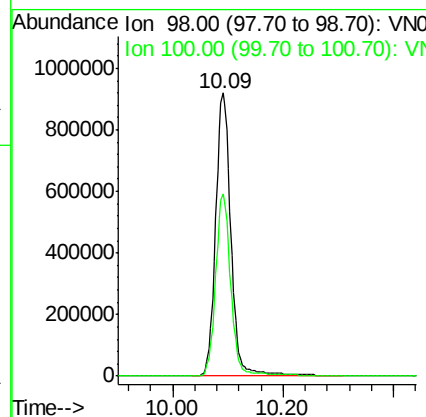
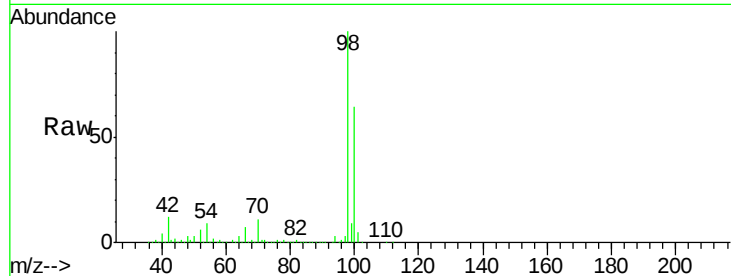
OILY-STONES

Tot Ion: 98 Resp: 1780163

Ion Ratio Lower Upper

98 100

100 62.1 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 41.370 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055560.D

Acq: 10 May 2019 18:39

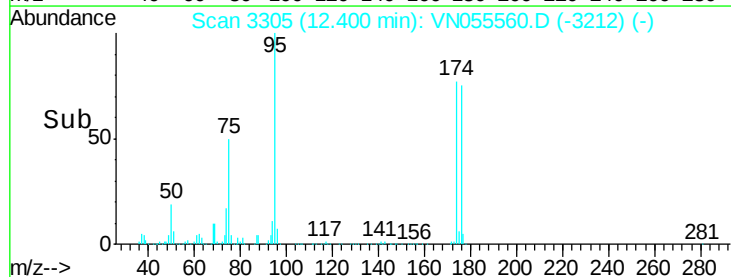
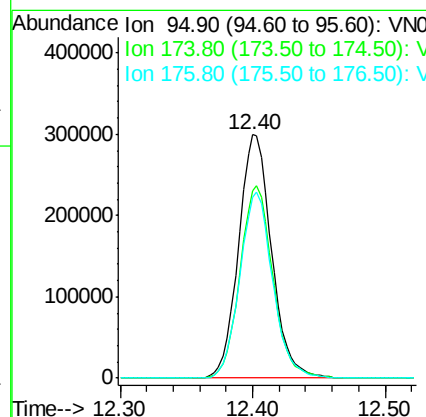
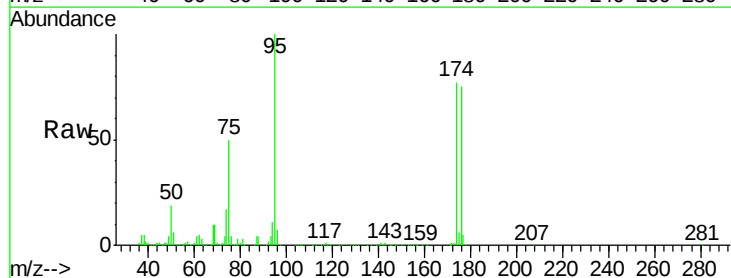
Tgt Ion: 95 Resp: 517749

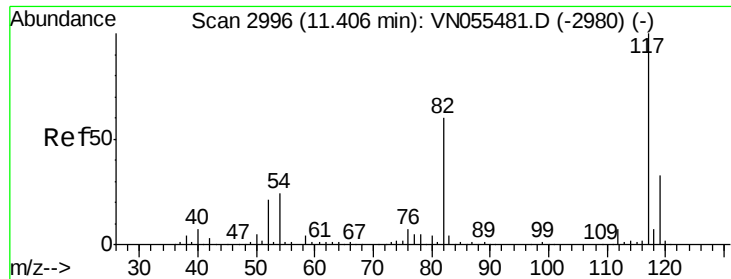
Ion Ratio Lower Upper

95 100

174 78.8 0.0 152.2

176 76.0 0.0 147.8

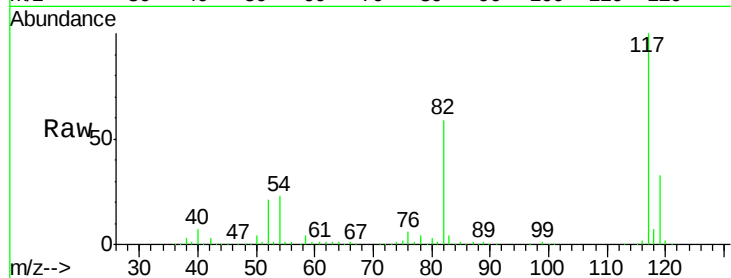




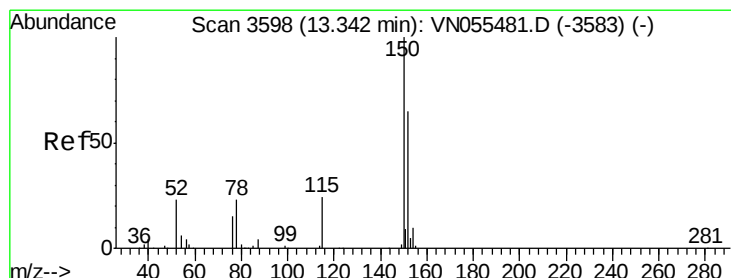
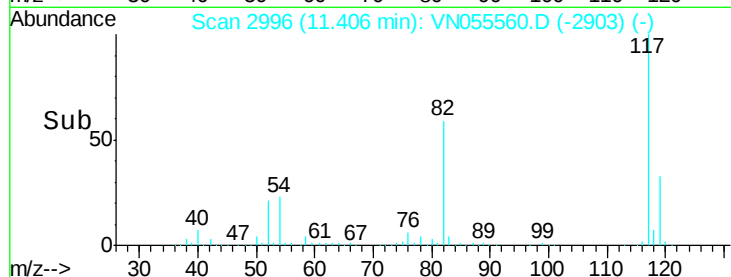
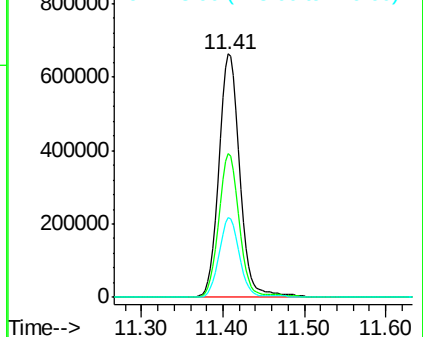
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN055560.D  
Acq: 10 May 2019 18:39

Instrument :  
MSVOA\_N  
ClientSampled :  
OILY-STONES

Tot Ion:117 Resp: 1211800  
Ion Ratio Lower Upper  
117 100  
82 59.3 48.0 72.0  
119 32.7 26.0 39.0

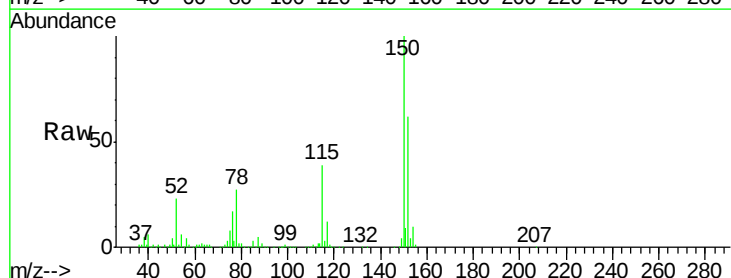


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

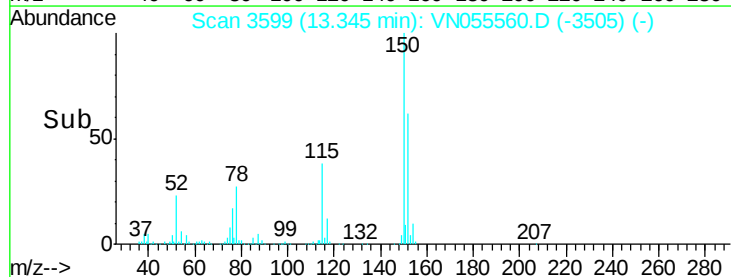
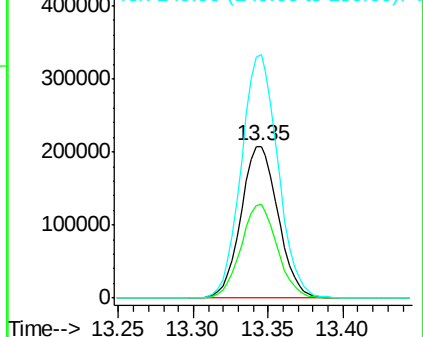


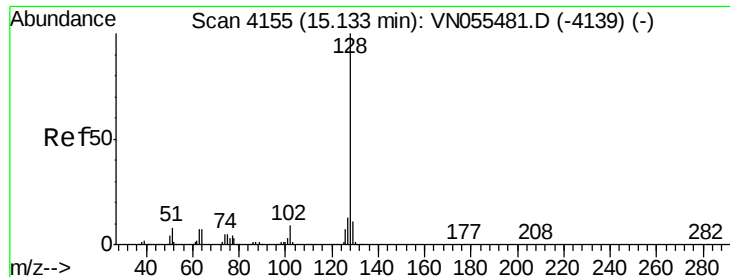
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN055560.D  
Acq: 10 May 2019 18:39

Tgt Ion:152 Resp: 358318  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.1 90.5  
150 158.9 0.0 355.0



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: 4.070 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055560.D

Acq: 10 May 2019 18:39

Instrument :

MSVOA\_N

ClientSampleId :

OILY-STONES

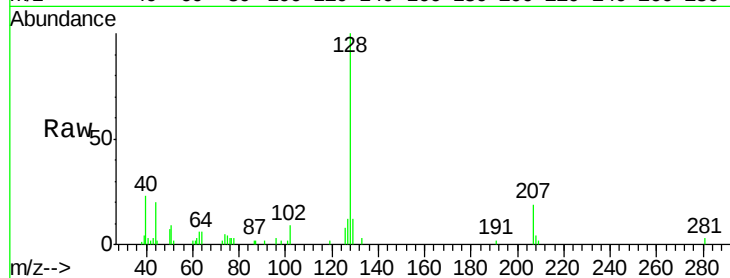
Tot Ion:128 Resp: 17978

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 10.1 8.8 13.2



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

