

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\  
 Data File : VN056062.D  
 Acq On : 6 Jun 2019 22:53  
 Operator : JC/SP  
 Sample : K3190-21  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-EB01-20190604

Quant Time: Jun 07 06:49:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

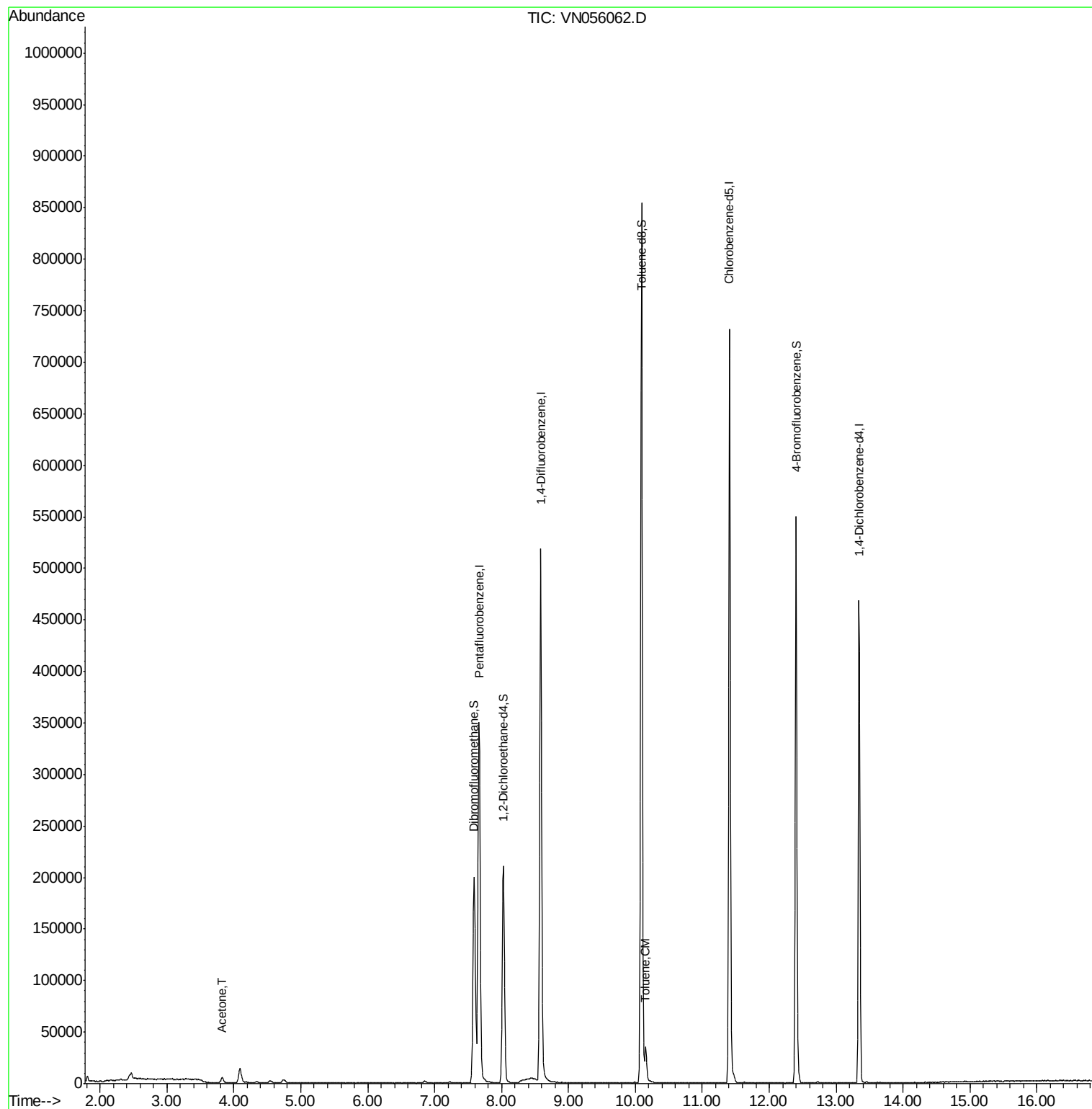
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 330592   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 500604   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 466746   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 143462   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 177342   | 54.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.06% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 153578   | 50.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.00% |          |
| 50) Toluene-d8              | 10.09 | 98   | 637049   | 53.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.80% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 197652   | 49.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.36%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 9515     | 6.061 | ug/l    | 98       |
| 52) Toluene                 | 10.15 | 92   | 12665    | 1.557 | ug/l    | 94       |

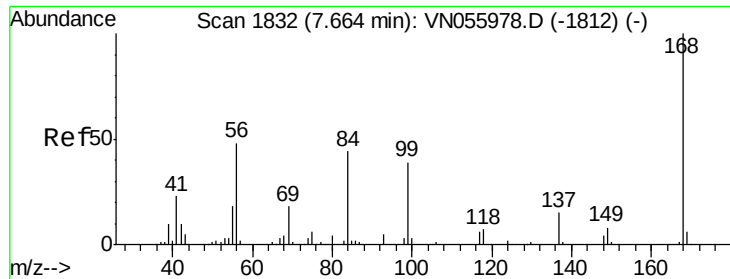
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060719\  
Data File : VN056062.D  
Acq On : 6 Jun 2019 22:53  
Operator : JC/SP  
Sample : K3190-21  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-EB01-20190604

Quant Time: Jun 07 06:49:39 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 2019  
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: VN056062.D

Acq: 6 Jun 2019 22:53

Instrument :

MSVOA\_N

ClientSampleId :

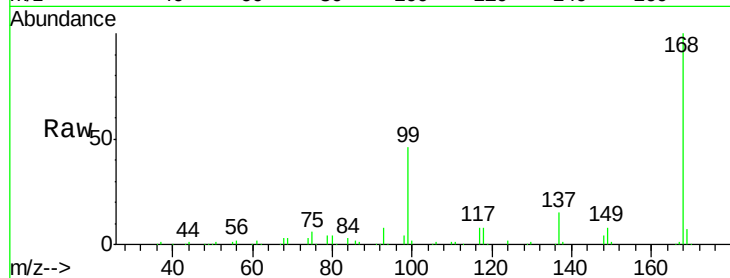
BP-EB01-20190604

Tot Ion:168 Resp: 330592

Ion Ratio Lower Upper

168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

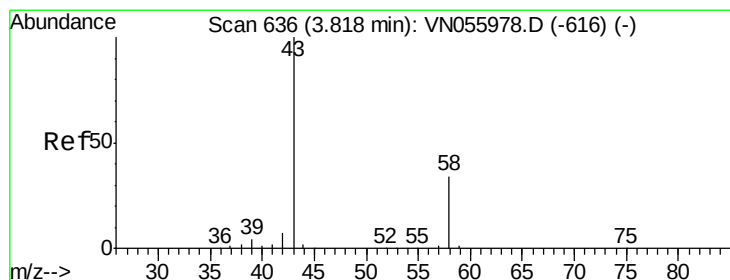
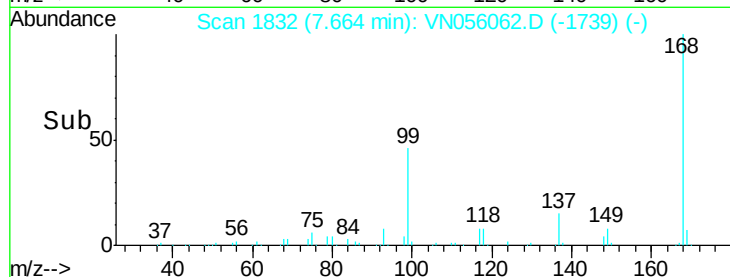
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.061 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056062.D

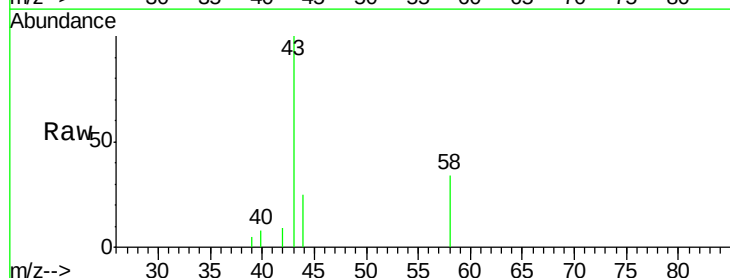
Acq: 6 Jun 2019 22:53

Tgt Ion: 43 Resp: 9515

Ion Ratio Lower Upper

43 100

58 34.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

3.82

3000

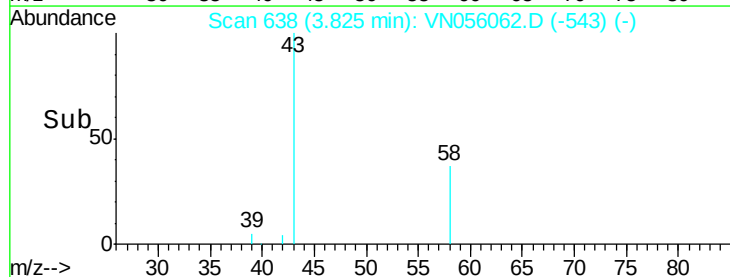
2000

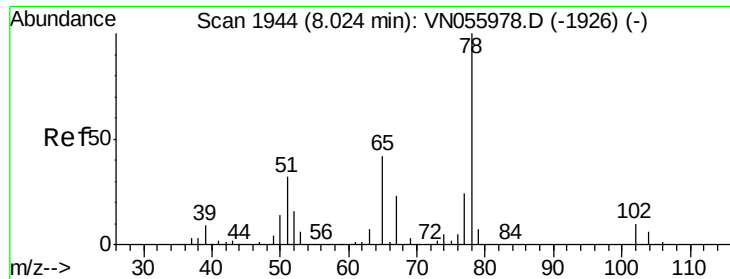
1000

0

3.75 3.80 3.85 3.90

Time-->

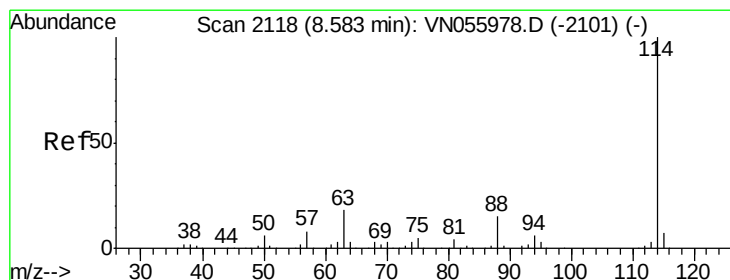
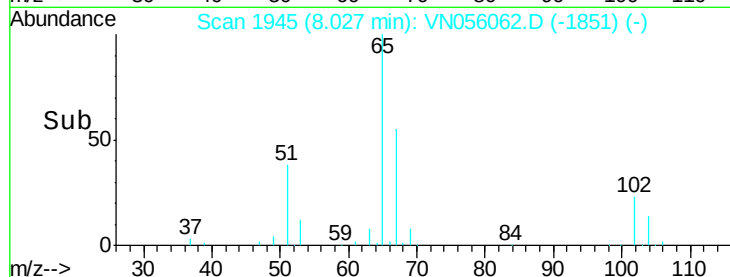
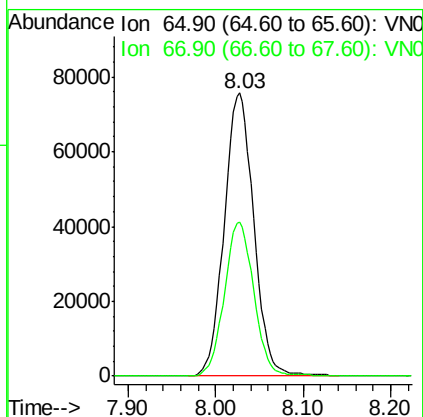
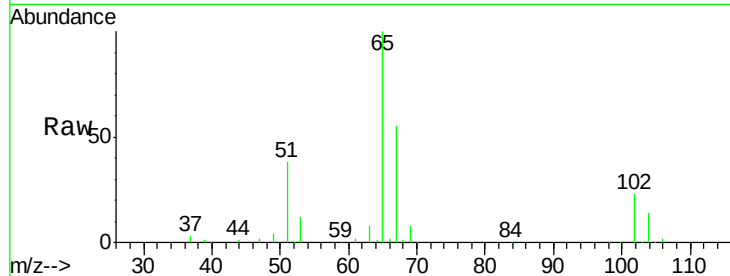




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.027 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056062.D  
 Acq: 6 Jun 2019 22:53

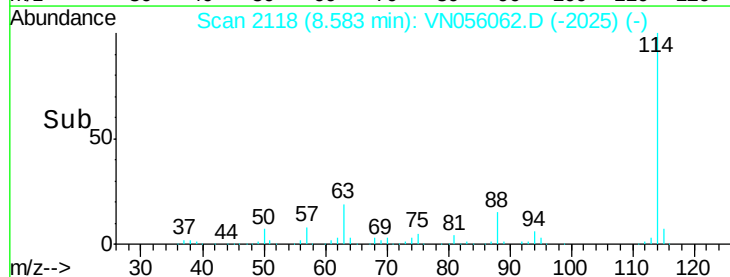
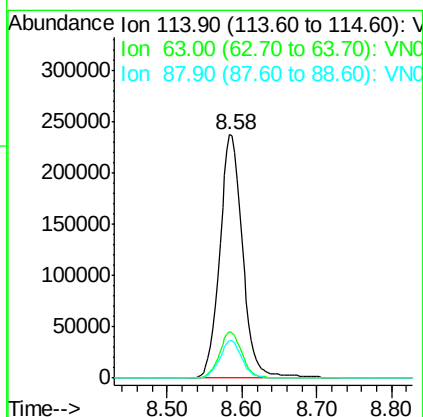
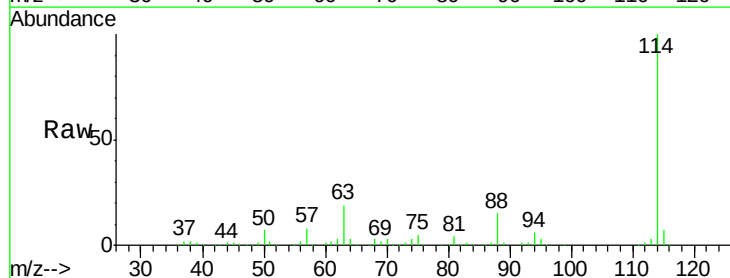
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-EB01-20190604

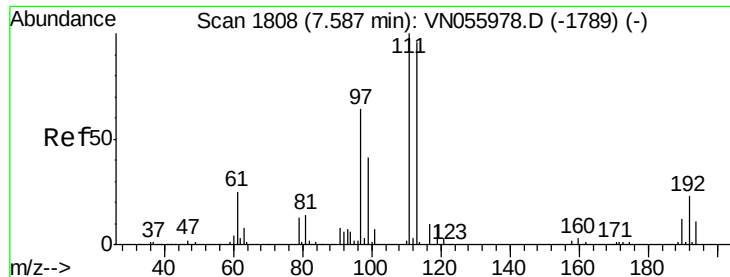
Tot Ion: 65 Resp: 177342  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN056062.D  
 Acq: 6 Jun 2019 22:53

Tgt Ion: 114 Resp: 500604  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 39.2  
 88 15.3 0.0 31.0

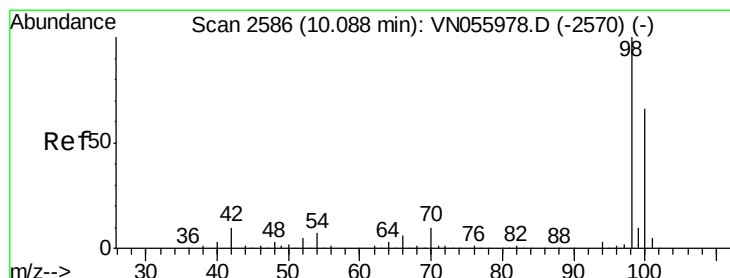
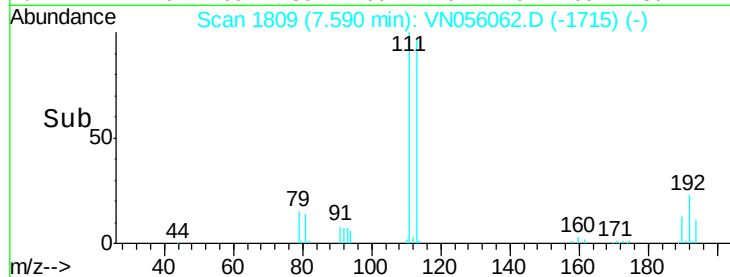
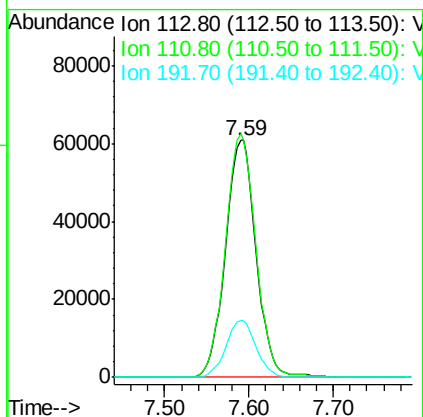
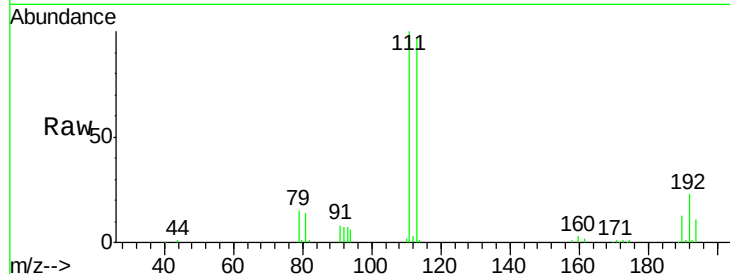




#35  
 Dibromofluoromethane  
 Concen: 50.003 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056062.D  
 Acq: 6 Jun 2019 22:53

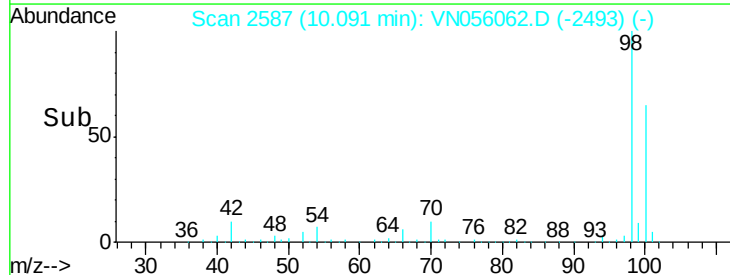
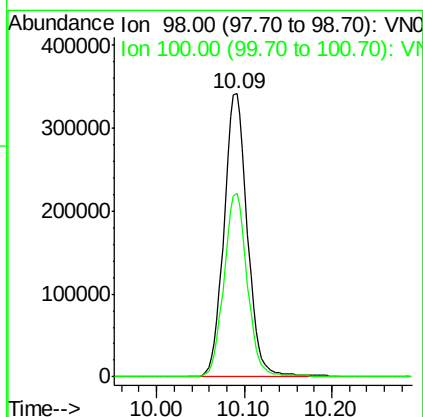
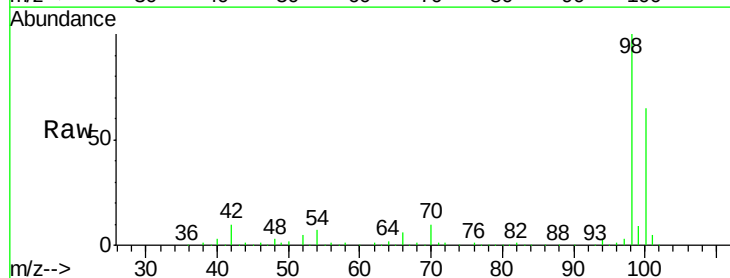
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-EB01-20190604

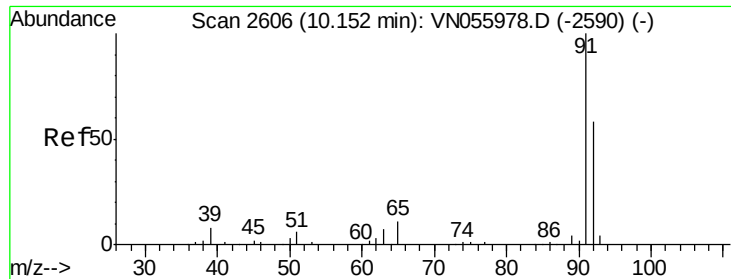
Tot Ion:113 Resp: 153578  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 81.9 122.9  
 192 23.6 19.5 29.3



#50  
 Toluene-d8  
 Concen: 53.902 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN056062.D  
 Acq: 6 Jun 2019 22:53

Tgt Ion: 98 Resp: 637049  
 Ion Ratio Lower Upper  
 98 100  
 100 64.7 51.9 77.9





#52

Toluene

Concen: 1.557 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056062.D

Acq: 6 Jun 2019 22:53

Instrument :

MSVOA\_N

ClientSampleId :

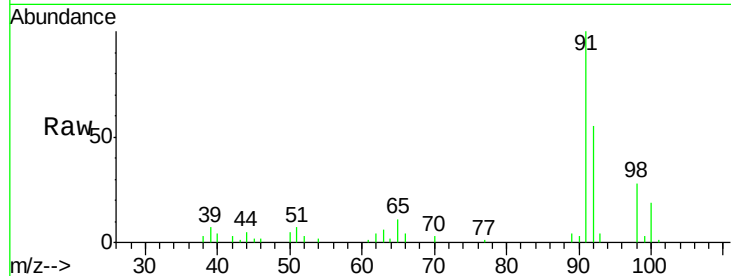
BP-EB01-20190604

Tot Ion: 92 Resp: 12665

Ion Ratio Lower Upper

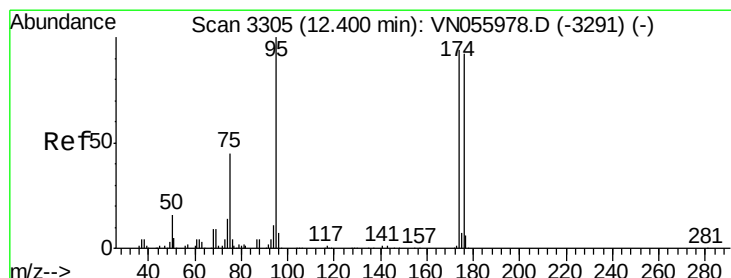
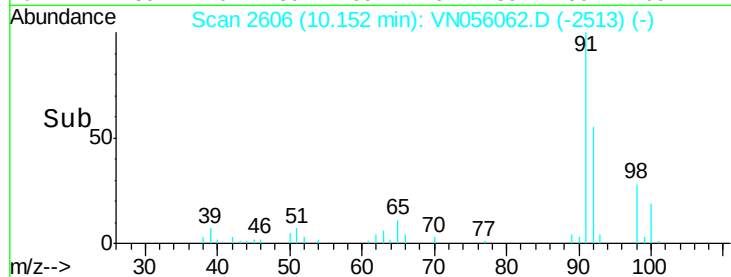
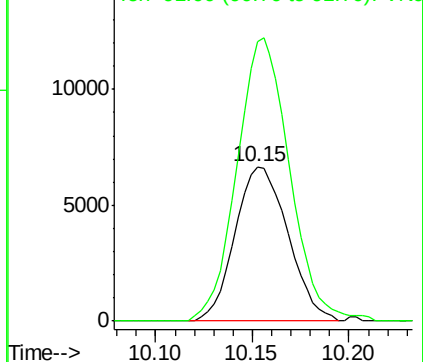
92 100

91 182.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 49.177 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056062.D

Acq: 6 Jun 2019 22:53

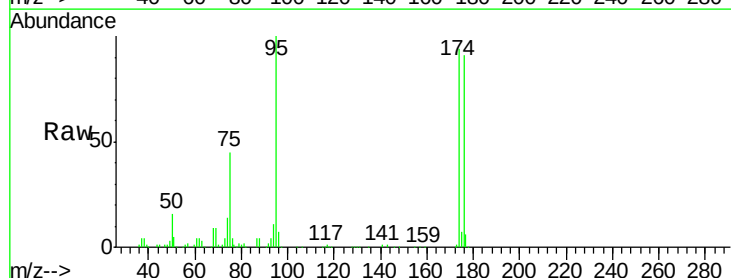
Tgt Ion: 95 Resp: 197652

Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

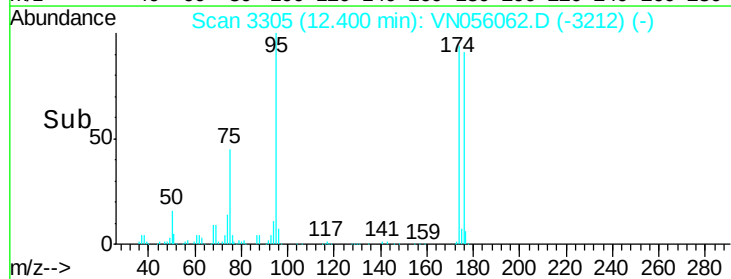
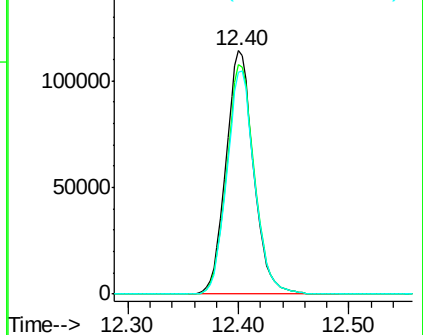
176 92.3 0.0 185.2

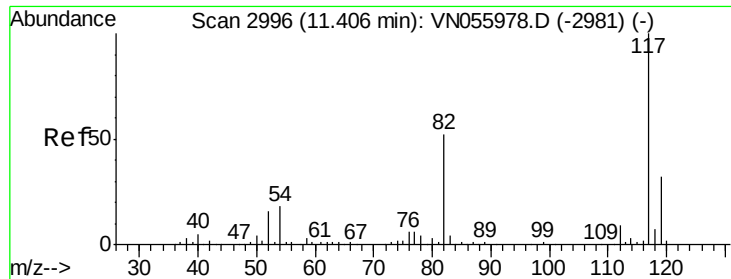


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

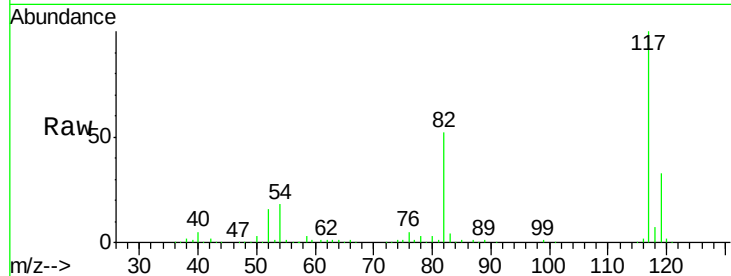




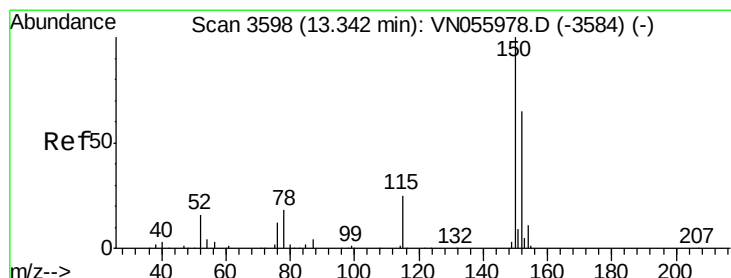
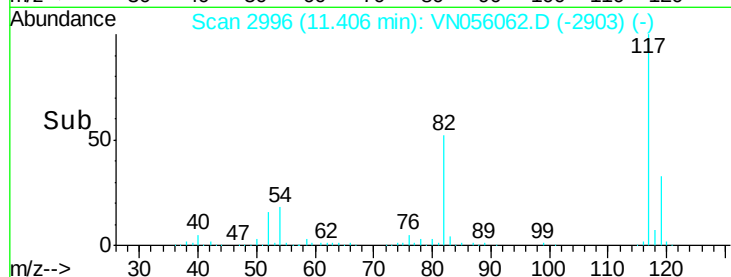
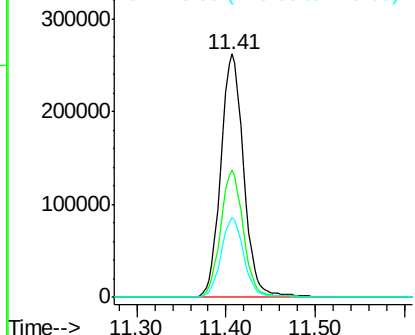
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056062.D  
Acq: 6 Jun 2019 22:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-EB01-20190604

Tot Ion:117 Resp: 466746  
Ion Ratio Lower Upper  
117 100  
82 52.3 41.8 62.8  
119 32.5 25.4 38.0

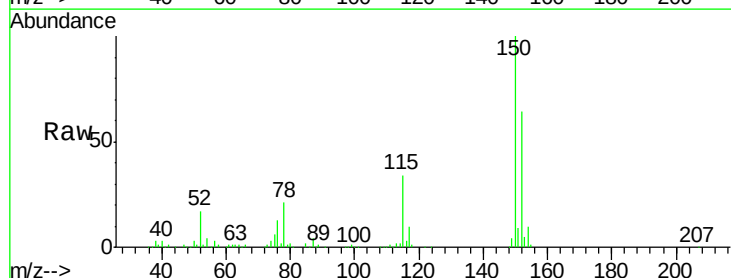


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN056062.D  
Acq: 6 Jun 2019 22:53

Tgt Ion:152 Resp: 143462  
Ion Ratio Lower Upper  
152 100  
115 53.4 27.0 81.0  
150 157.2 0.0 343.2



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

