

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
 Data File : VN054382.D  
 Acq On : 18 Mar 2019 9:53  
 Operator : JC/SP  
 Sample : VN0318WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318WBL01

Quant Time: Mar 19 05:37:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1872256  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 2657028  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2208266  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 782004   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 914186   | 45.98 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.96% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 809241   | 47.22 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.44% |      |
| 50) Toluene-d8              | 10.09  | 98  | 3055011  | 48.27 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.54% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 907085   | 40.96 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 81.92% |      |

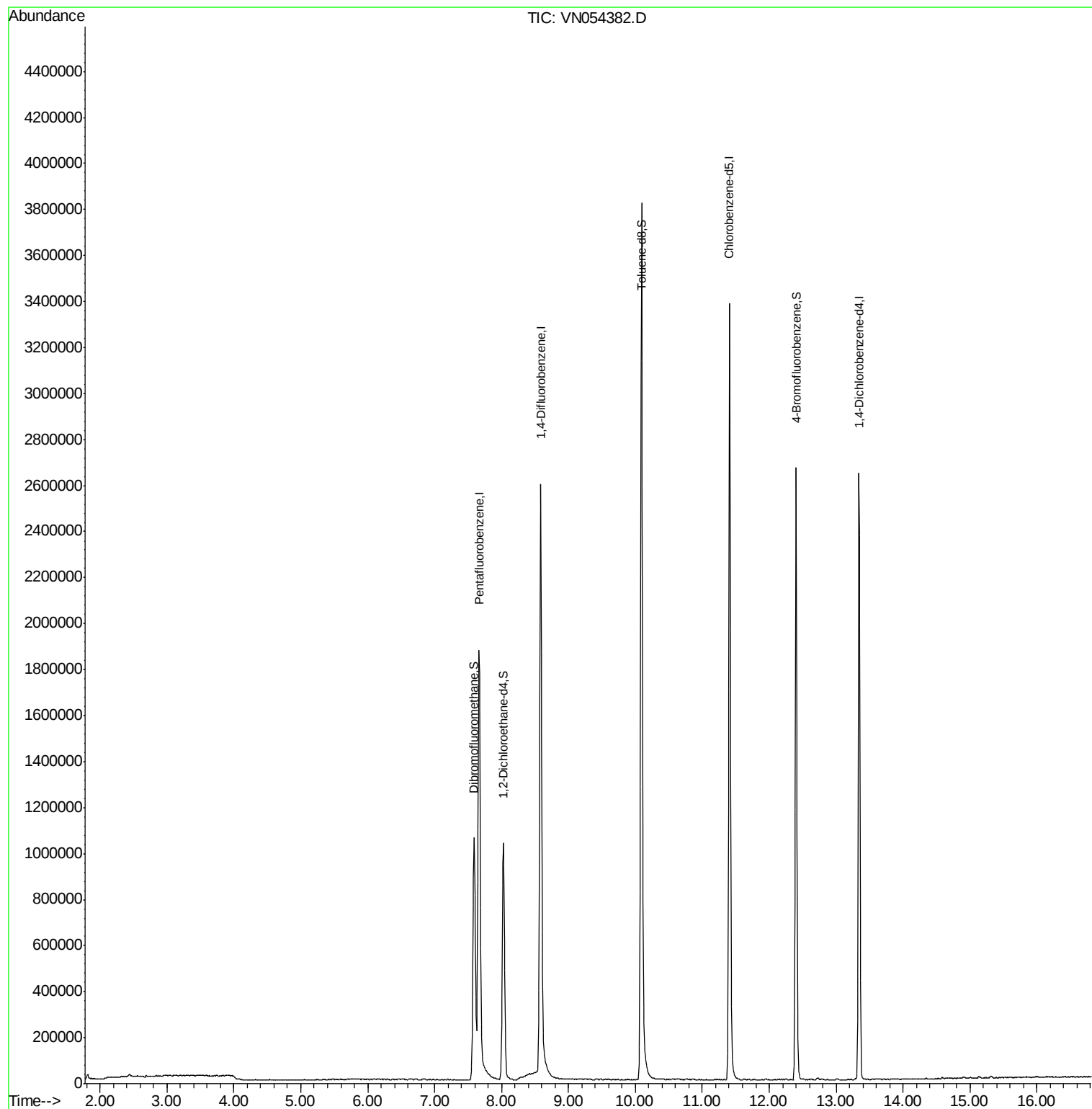
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

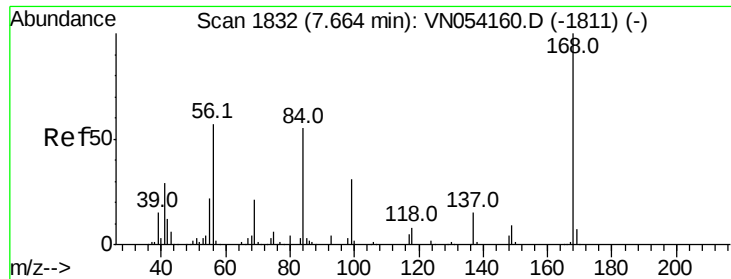
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031819\  
Data File : VN054382.D  
Acq On : 18 Mar 2019 9:53  
Operator : JC/SP  
Sample : VN0318WBL01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318WBL01

Quant Time: Mar 19 05:37:42 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 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: VN054382.D

Acq: 18 Mar 2019 9:53

Instrument :

MSVOA\_N

ClientSampleId :

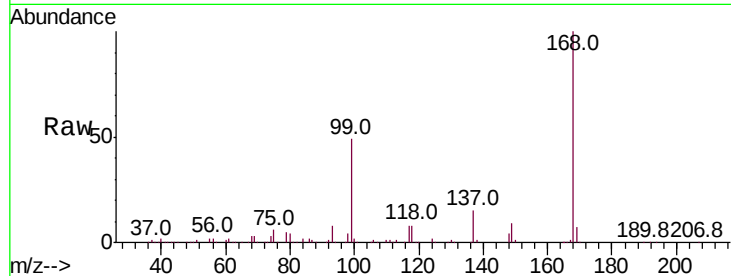
VN0318WBL01

Tot Ion:168 Resp: 1872256

Ion Ratio Lower Upper

168 100

99 49.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

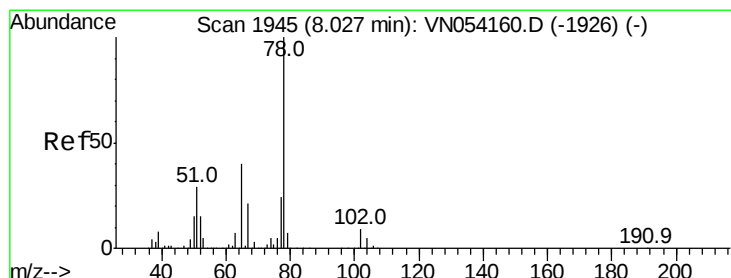
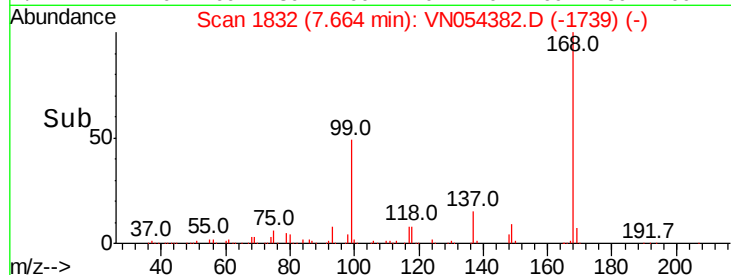
600000

400000

200000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.977 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054382.D

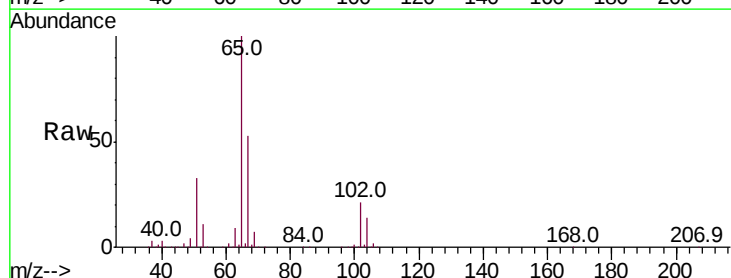
Acq: 18 Mar 2019 9:53

Tgt Ion: 65 Resp: 914186

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

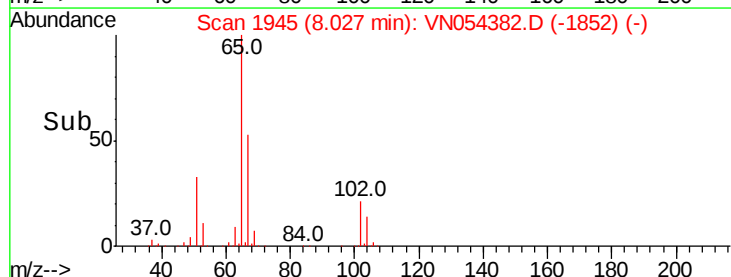
300000

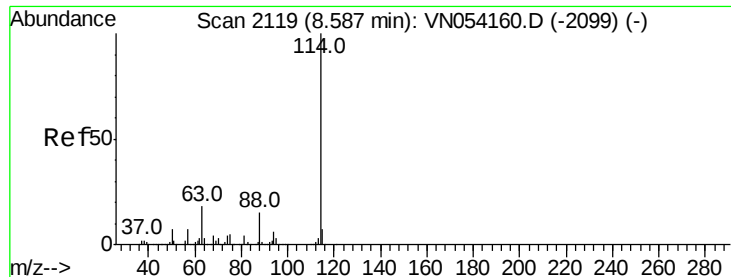
200000

100000

0

Time-->



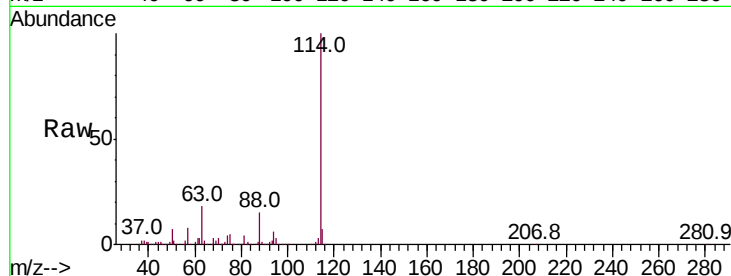


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN054382.D  
 Acq: 18 Mar 2019 9:53

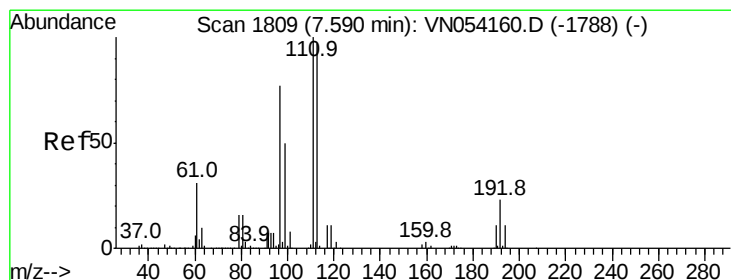
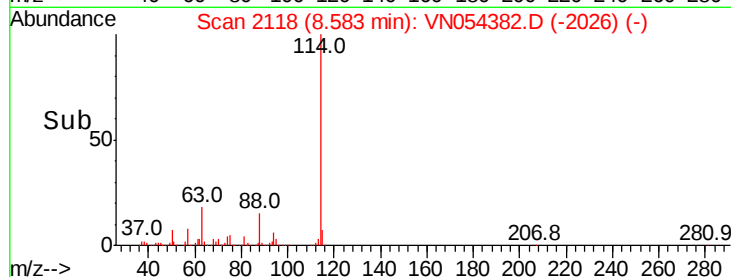
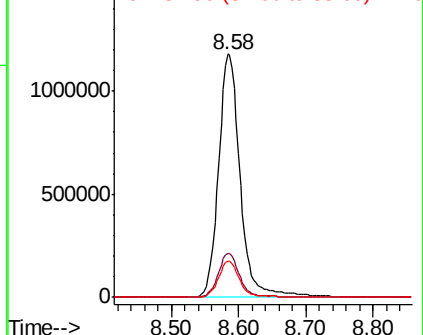
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318WBL01

Tot Ion:114 Resp: 2657028

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.2  | 0.0   | 35.2  |
| 88  | 14.9  | 0.0   | 30.2  |



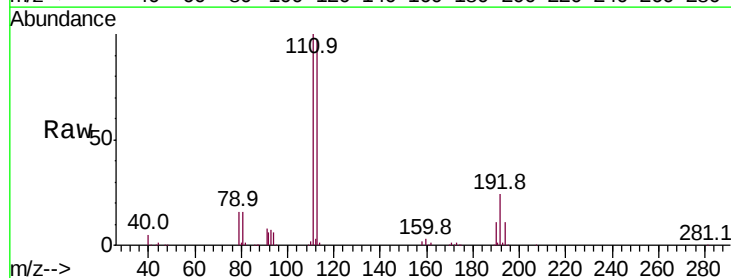
Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN



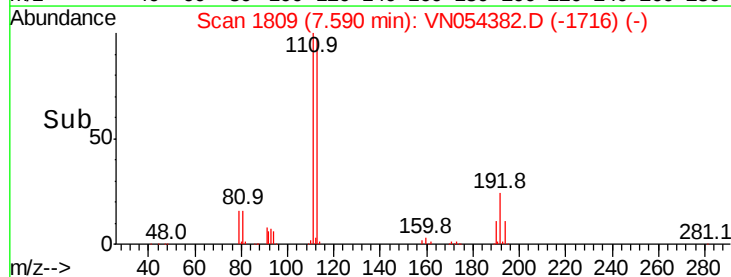
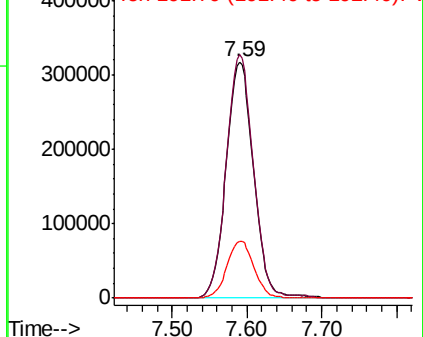
#35  
 Dibromofluoromethane  
 Concen: 47.223 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054382.D  
 Acq: 18 Mar 2019 9:53

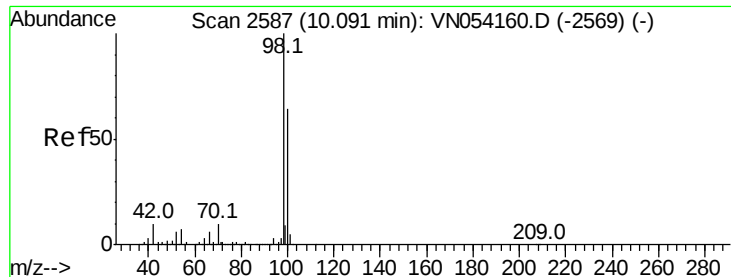
Tgt Ion:113 Resp: 809241

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.6 | 82.2  | 123.4 |
| 192 | 23.8  | 19.2  | 28.8  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.271 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054382.D

Acq: 18 Mar 2019 9:53

Instrument :

MSVOA\_N

ClientSampleId :

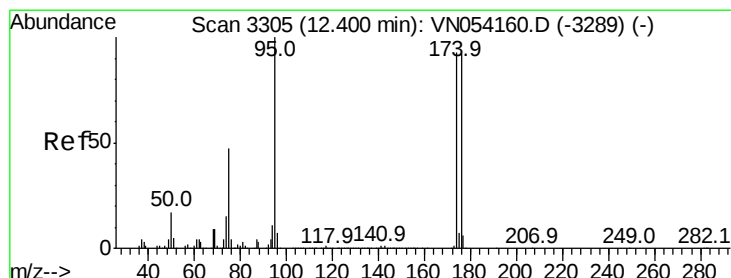
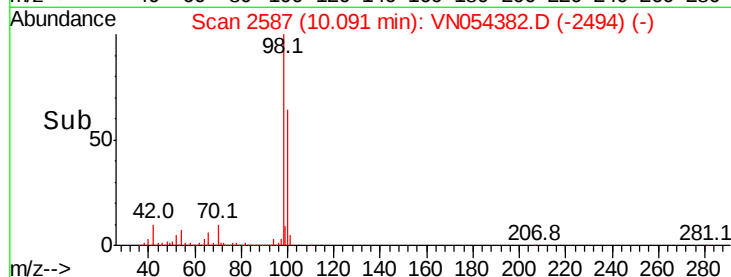
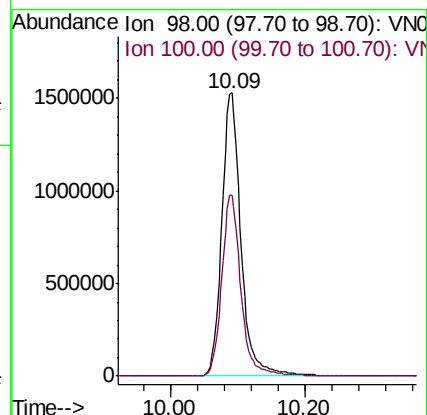
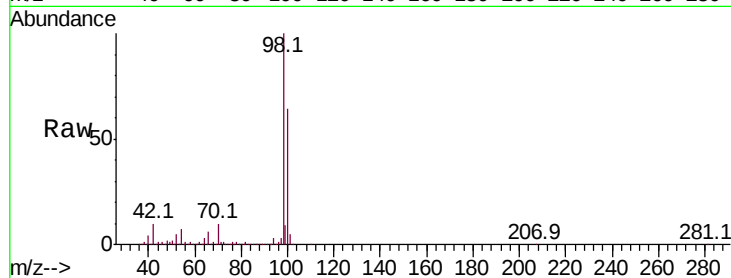
VN0318WBL01

Tot Ion: 98 Resp: 3055011

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 40.962 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054382.D

Acq: 18 Mar 2019 9:53

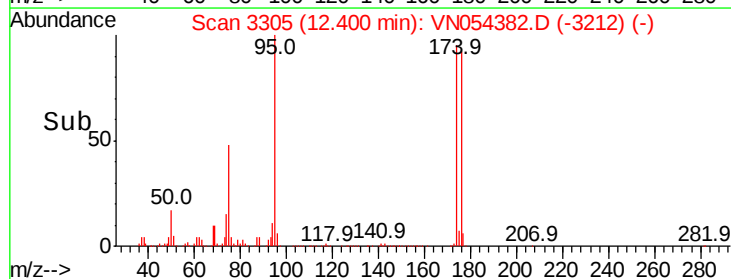
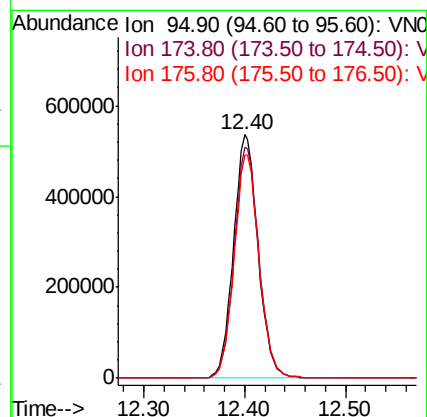
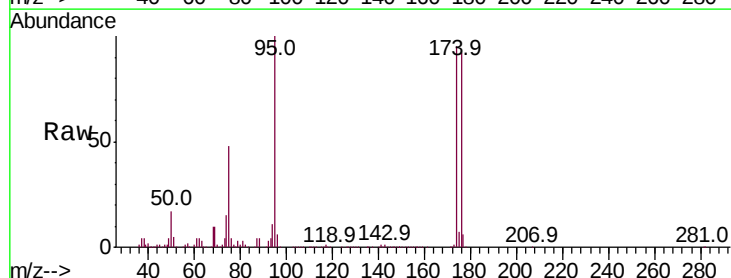
Tgt Ion: 95 Resp: 907085

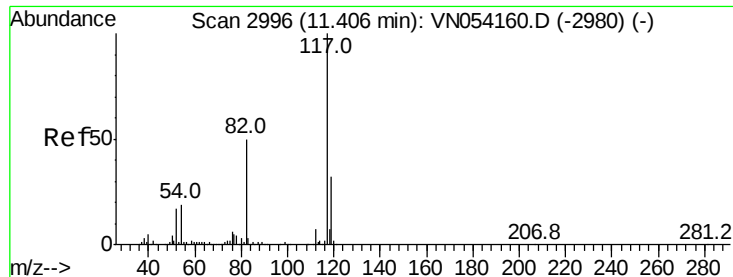
Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.0

176 93.0 0.0 187.4

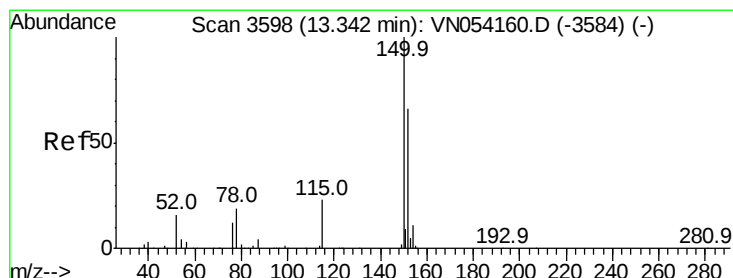
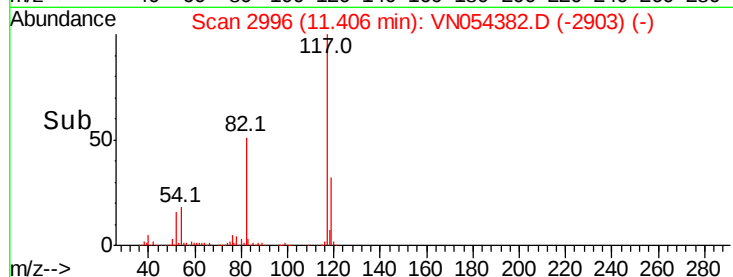
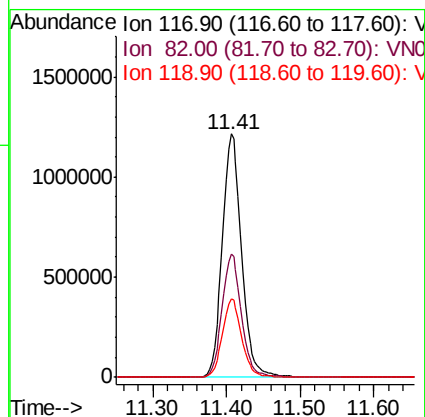
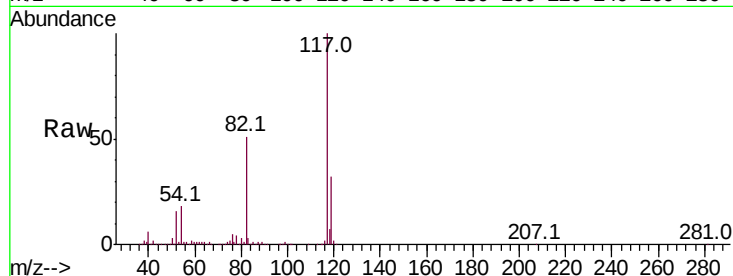




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054382.D  
Acq: 18 Mar 2019 9:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318WBL01

Tot Ion:117 Resp: 2208266  
Ion Ratio Lower Upper  
117 100  
82 50.6 40.0 60.0  
119 32.3 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN054382.D  
Acq: 18 Mar 2019 9:53

Tgt Ion:152 Resp: 782004  
Ion Ratio Lower Upper  
152 100  
115 56.1 27.2 81.6  
150 158.6 0.0 349.2

