

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\  
 Data File : VN058165.D  
 Acq On : 18 Sep 2019 16:30  
 Operator : JC/SP  
 Sample : K4899-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Sep 19 04:34:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 02:07:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 527462   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 842179   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 718559   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 291117   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65  | 362397   | 49.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.66%  |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 250824   | 48.99 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.98%  |      |
| 50) Toluene-d8              | 10.08  | 98  | 1035093  | 51.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.78% |      |
| 62) 4-Bromofluorobenzene    | 12.41  | 95  | 327300   | 44.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.34%  |      |

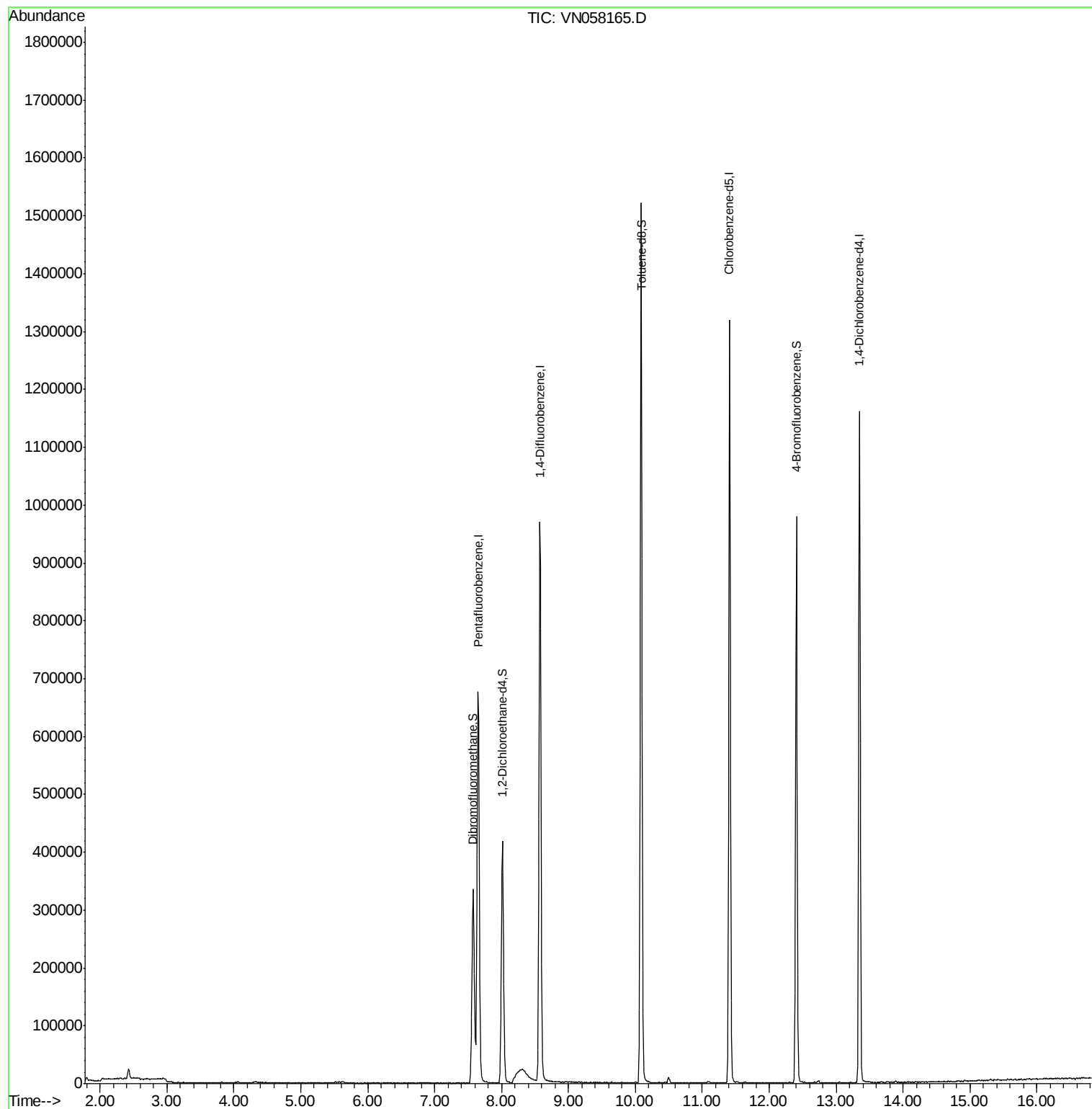
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

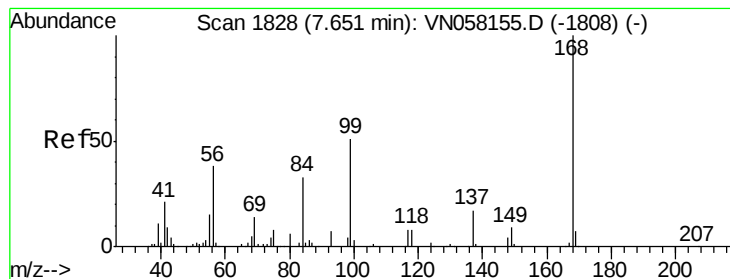
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 19 02:07:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

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Acq: 18 Sep 2019 16:30

Instrument :

MSVOA\_N

ClientSampleId :

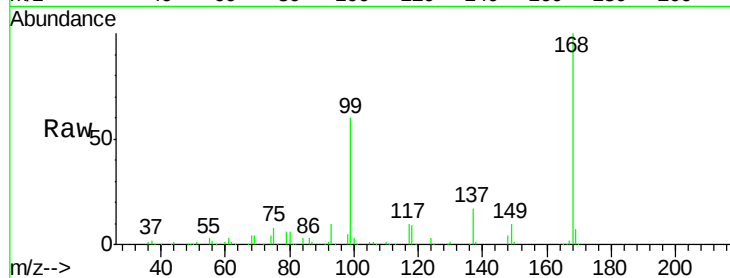
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 527462

Ion Ratio Lower Upper

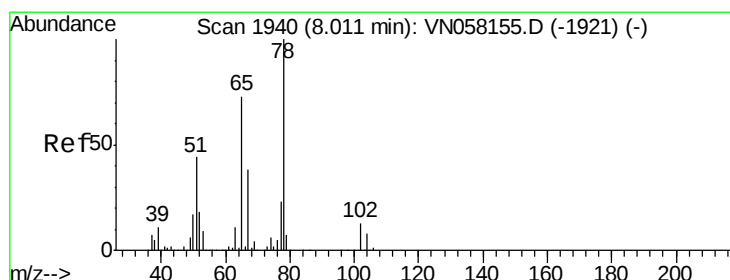
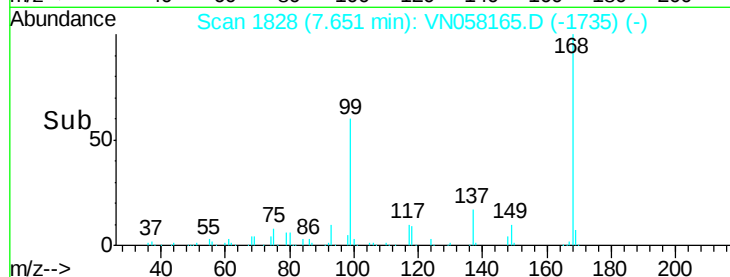
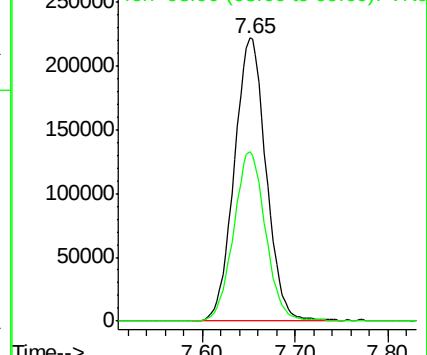
168 100

99 59.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 49.329 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058165.D

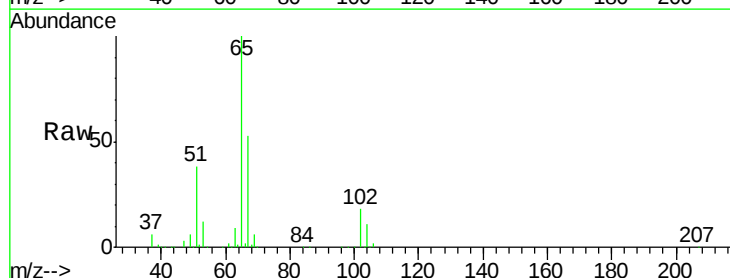
Acq: 18 Sep 2019 16:30

Tgt Ion: 65 Resp: 362397

Ion Ratio Lower Upper

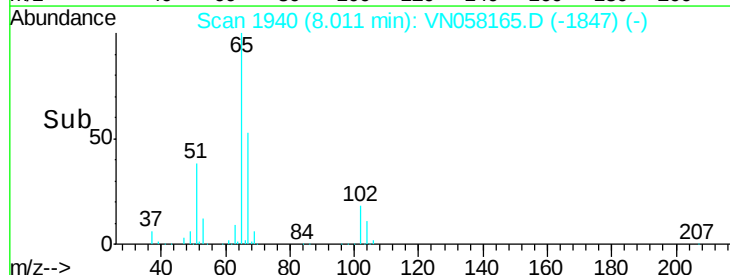
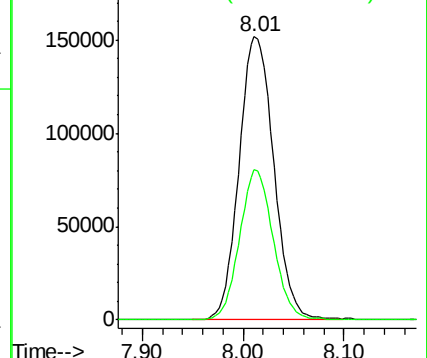
65 100

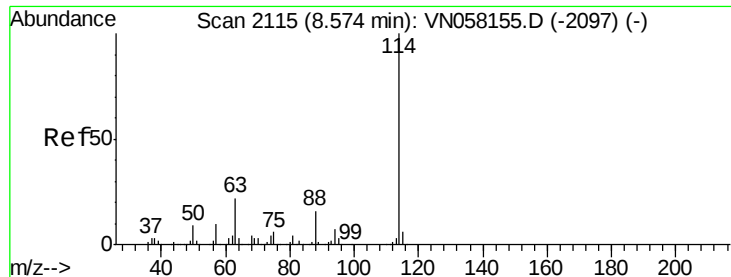
67 51.3 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058165.D

Acq: 18 Sep 2019 16:30

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

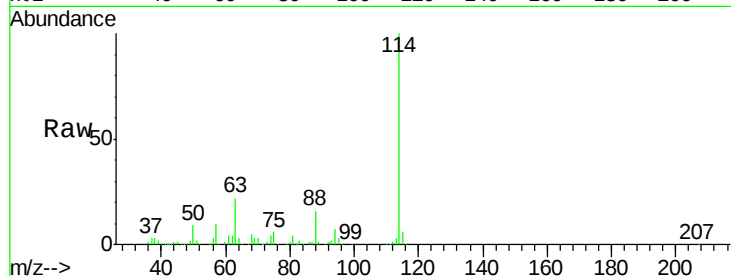
Tot Ion:114 Resp: 842179

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

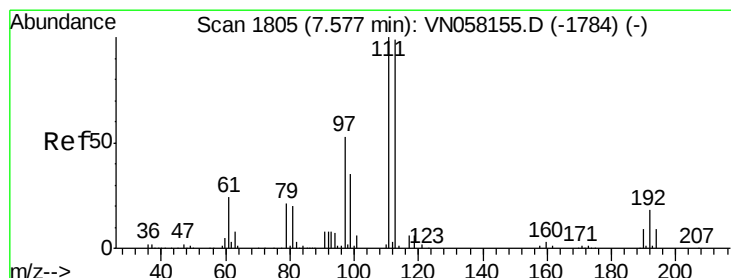
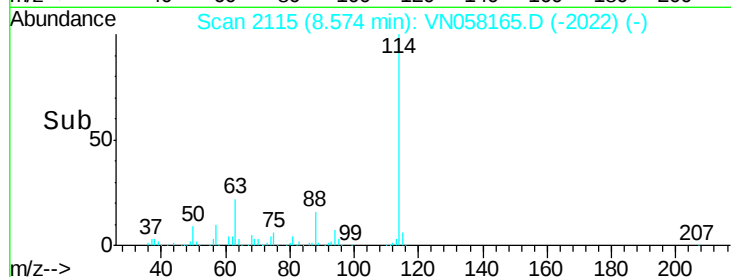
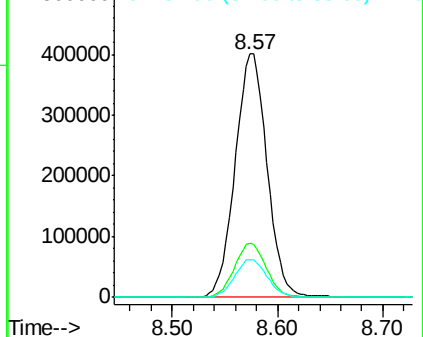
88 15.6 0.0 31.6



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: 48.991 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058165.D

Acq: 18 Sep 2019 16:30

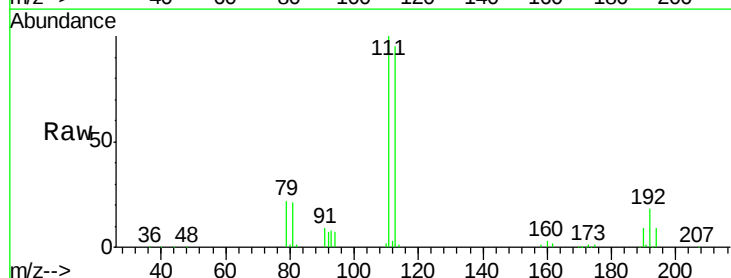
Tgt Ion:113 Resp: 250824

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.6

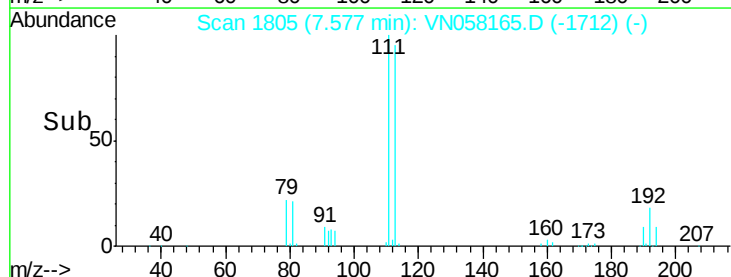
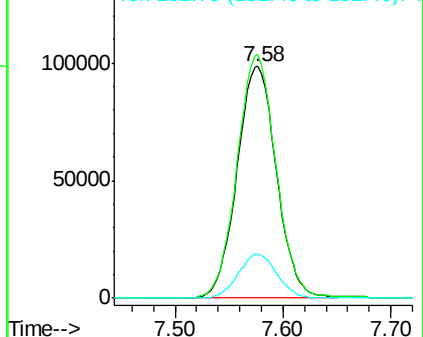
192 18.8 14.5 21.7

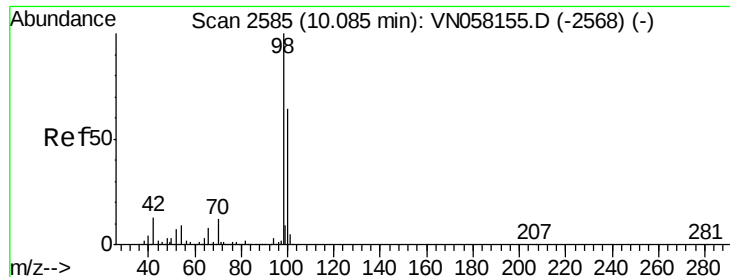


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.891 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058165.D

Acq: 18 Sep 2019 16:30

Instrument :

MSVOA\_N

ClientSampleId :

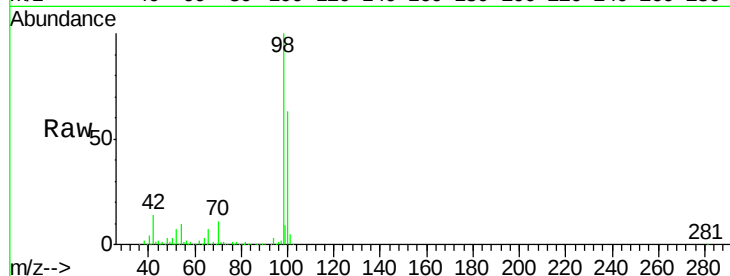
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 1035093

Ion Ratio Lower Upper

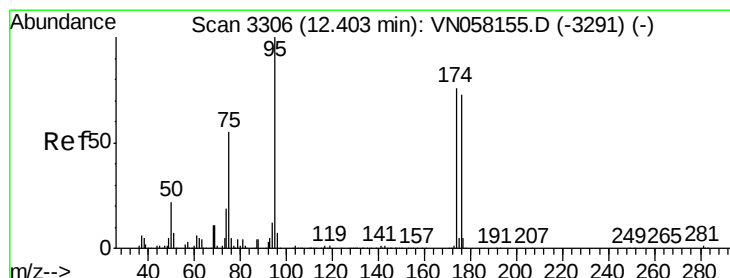
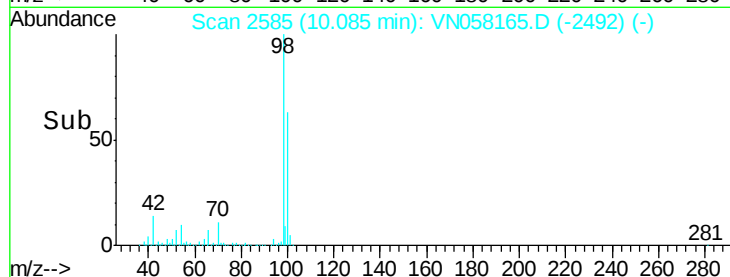
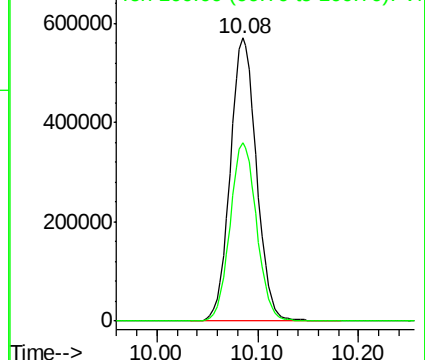
98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 44.171 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058165.D

Acq: 18 Sep 2019 16:30

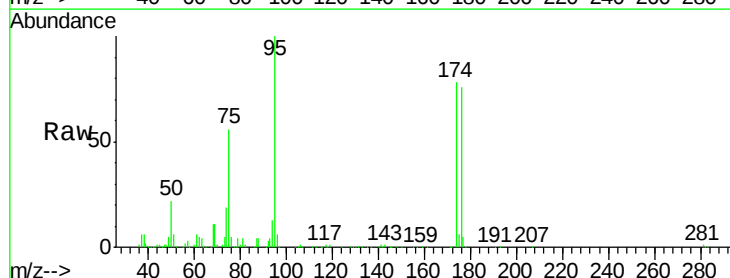
Tgt Ion: 95 Resp: 327300

Ion Ratio Lower Upper

95 100

174 76.8 0.0 152.2

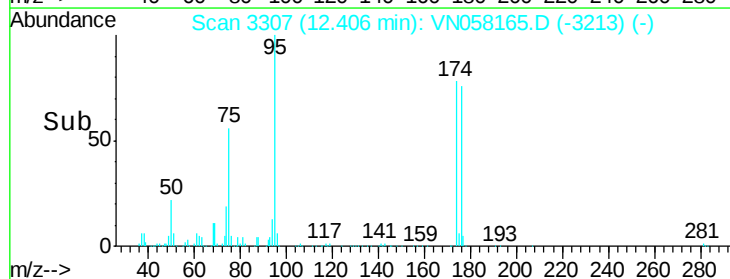
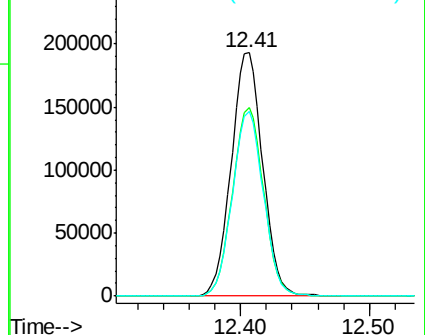
176 74.9 0.0 148.0

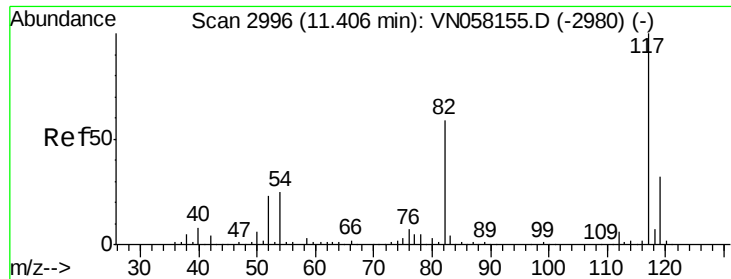


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

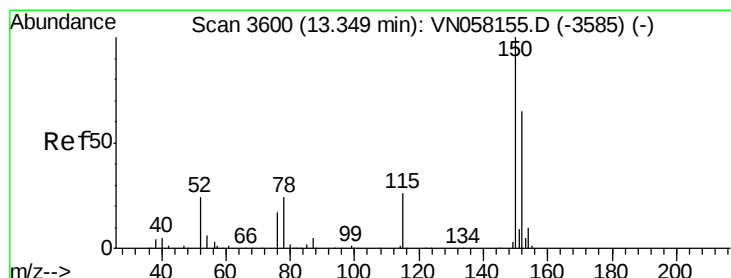
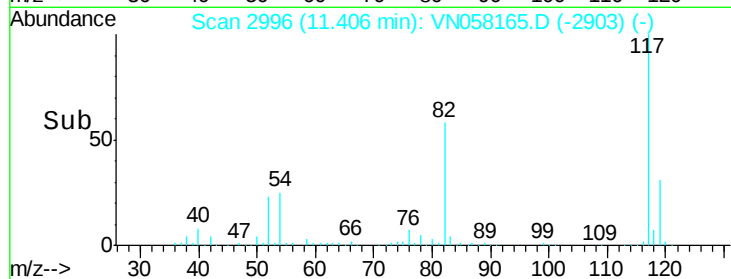
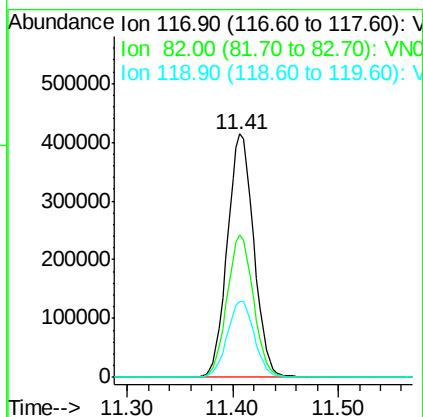
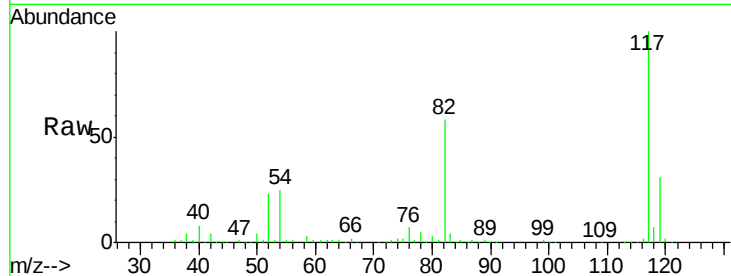




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN058165.D  
Acq: 18 Sep 2019 16:30

Instrument :  
MSVOA\_N  
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STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 718559  
Ion Ratio Lower Upper  
117 100  
82 58.3 46.9 70.3  
119 31.4 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. -0.00 min  
Lab File: VN058165.D  
Acq: 18 Sep 2019 16:30

Tgt Ion:152 Resp: 291117  
Ion Ratio Lower Upper  
152 100  
115 60.8 30.1 90.3  
150 159.2 0.0 346.4

