

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\  
 Data File : VN058327.D  
 Acq On : 24 Sep 2019 5:12  
 Operator : JC/SP  
 Sample : I.BLK  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 I.BLK

Quant Time: Sep 25 12:15:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

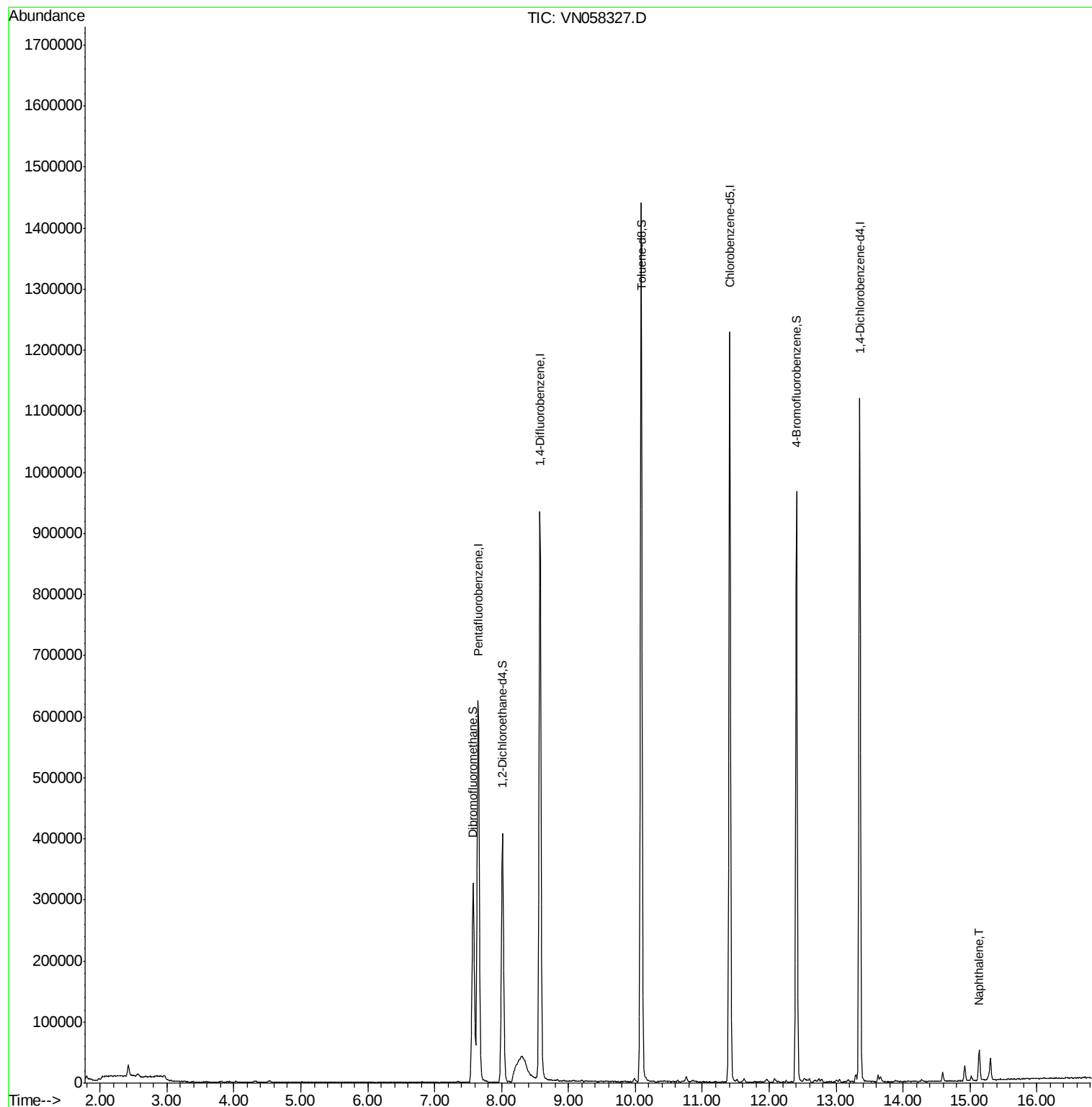
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 482701   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 791572   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 673448   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 282534   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 356748   | 53.06 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.12% |            |
| 35) Dibromofluoromethane    | 7.58  | 113  | 248147   | 51.57 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.14% |            |
| 50) Toluene-d8              | 10.08 | 98   | 996926   | 53.17 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.34% |            |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 321625   | 46.18 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.36%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 95) Naphthalene             | 15.14 | 128  | 41201    | 3.053 | ug/l    | Qvalue 100 |

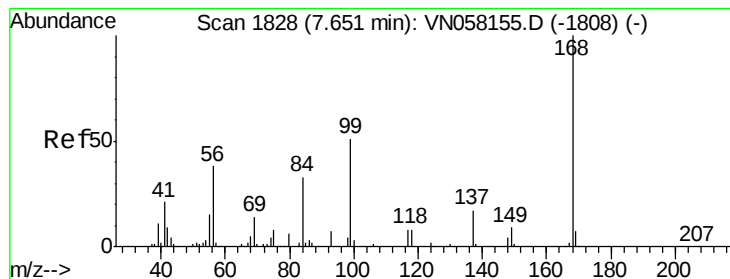
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Sep 19 09:27:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA\_N

ClientSampleId :

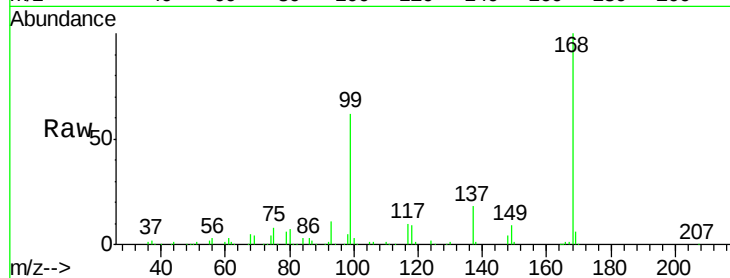
I.BLK

Tot Ion:168 Resp: 482701

Ion Ratio Lower Upper

168 100

99 61.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

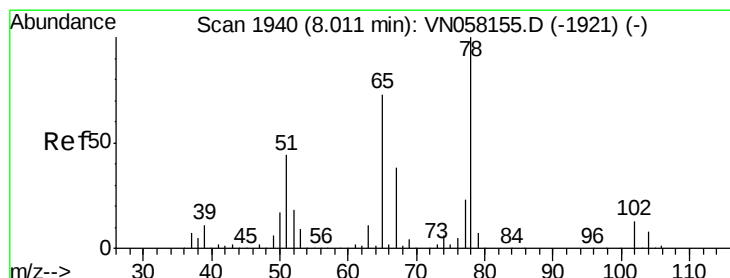
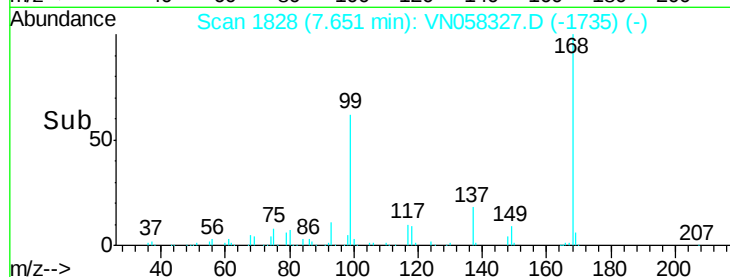
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.063 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058327.D

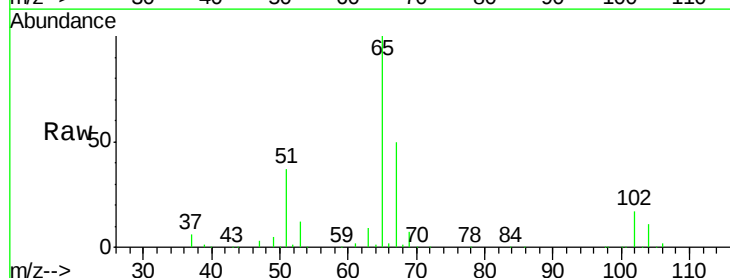
Acq: 24 Sep 2019 5:12

Tgt Ion: 65 Resp: 356748

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.01

150000

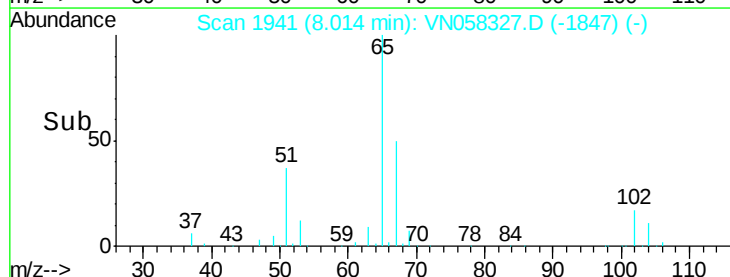
100000

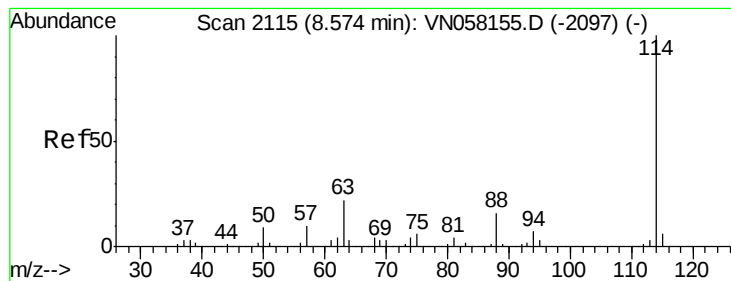
50000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA\_N

ClientSampleId :

I.BLK

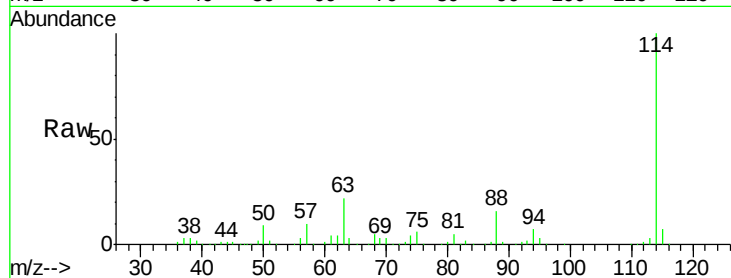
Tot Ion:114 Resp: 791572

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

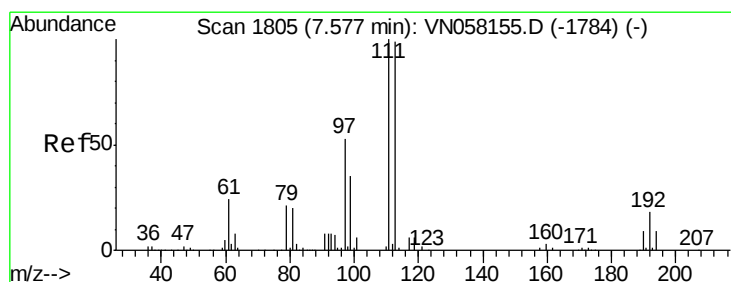
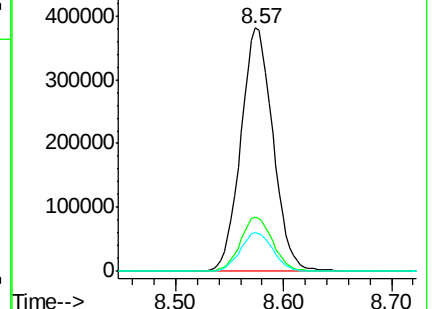
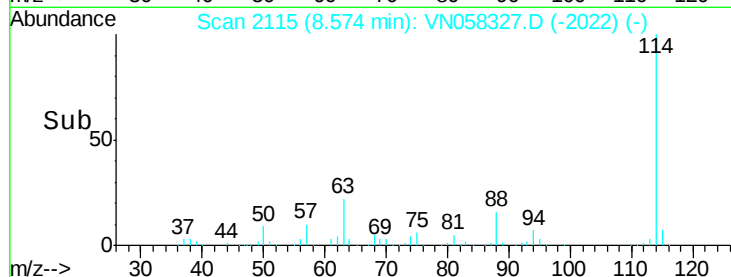
88 15.8 0.0 31.6



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: 51.567 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

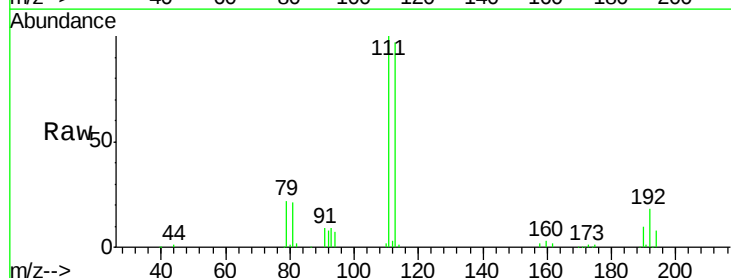
Tgt Ion:113 Resp: 248147

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

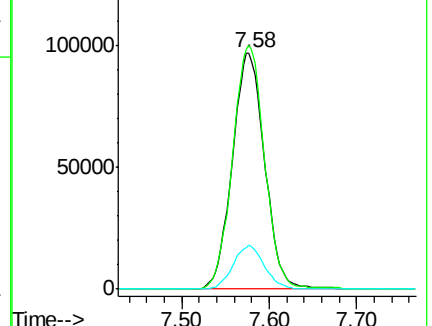
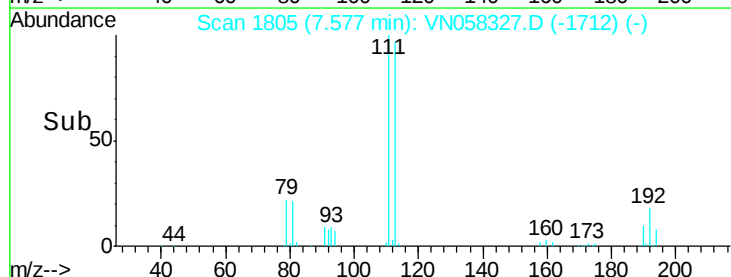
192 17.9 14.5 21.7

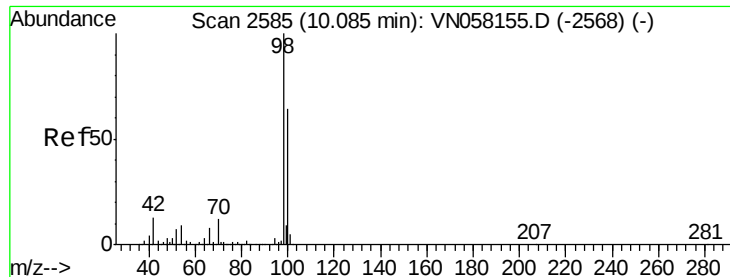


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.172 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA\_N

ClientSampled :

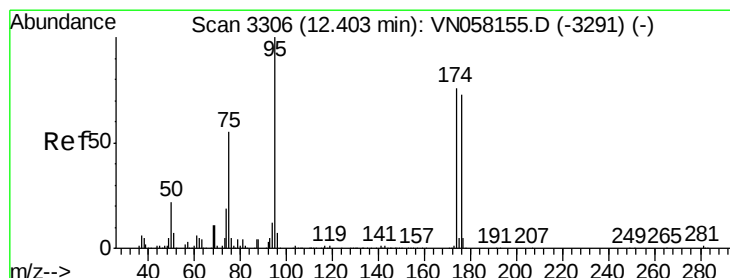
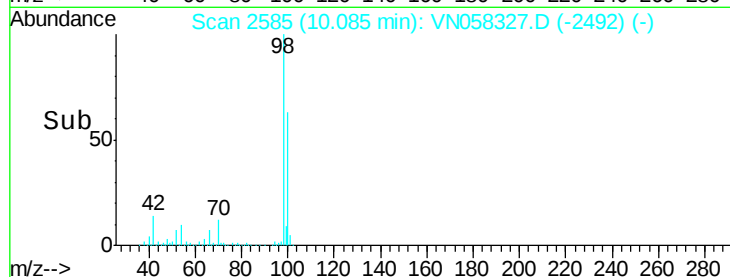
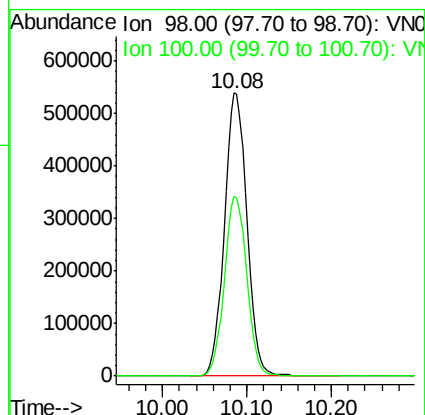
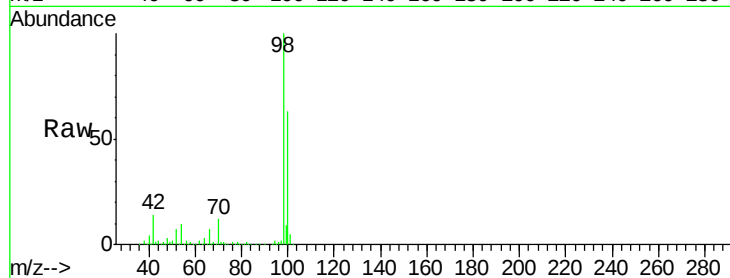
I.BLK

Tot Ion: 98 Resp: 996926

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 46.180 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

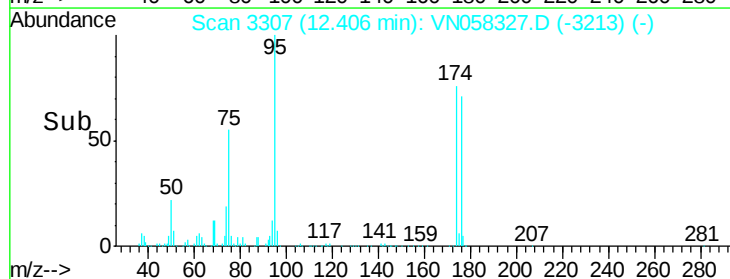
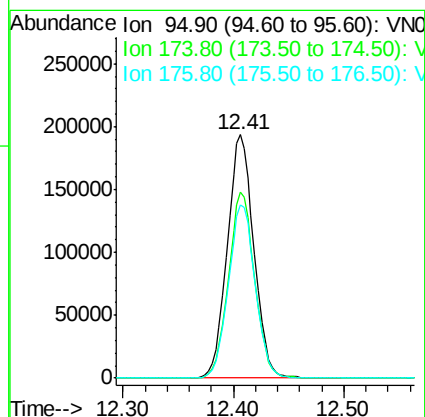
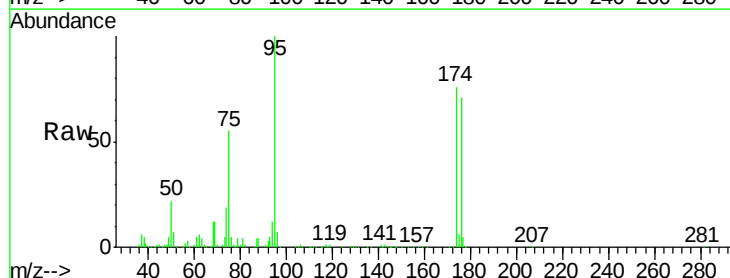
Tgt Ion: 95 Resp: 321625

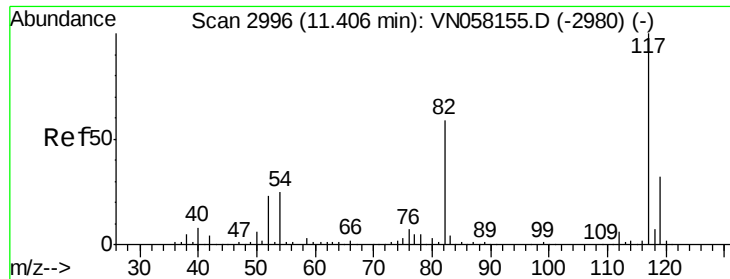
Ion Ratio Lower Upper

95 100

174 75.8 0.0 152.2

176 72.0 0.0 148.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA\_N

ClientSampled :

I.BLK

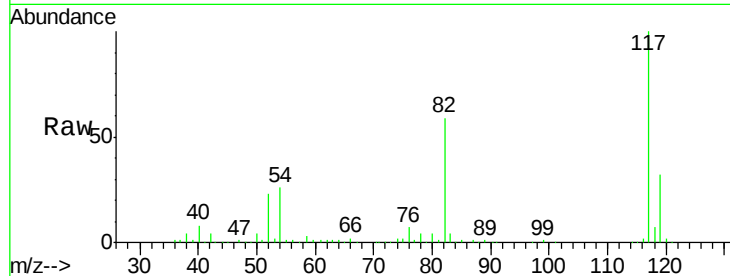
Tot Ion:117 Resp: 673448

Ion Ratio Lower Upper

117 100

82 59.1 46.9 70.3

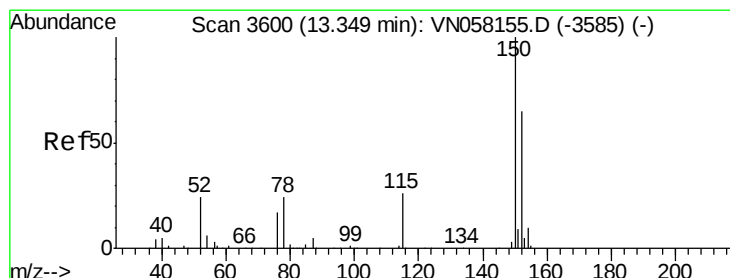
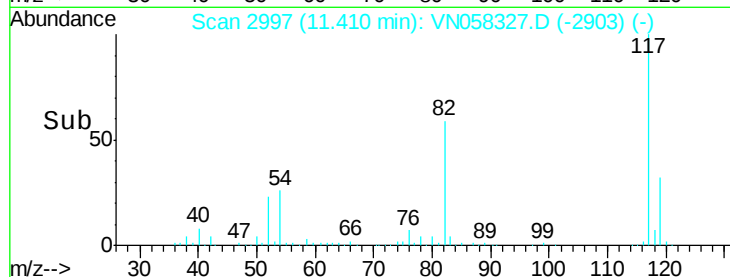
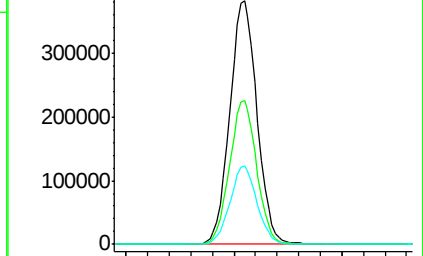
119 32.1 25.3 37.9



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# 3601

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

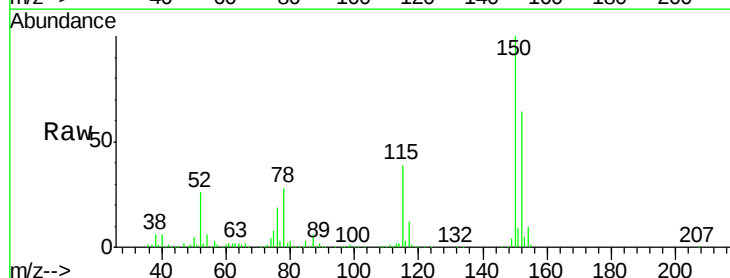
Tgt Ion:152 Resp: 282534

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

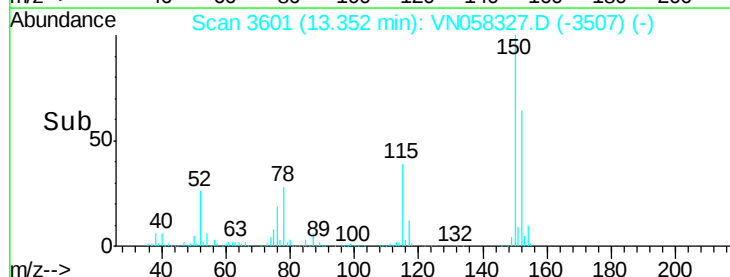
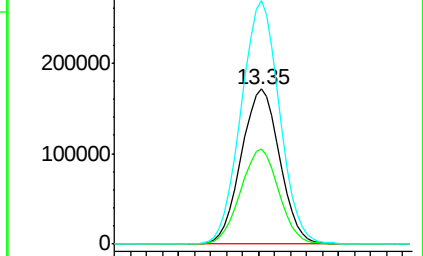
150 156.0 0.0 346.4

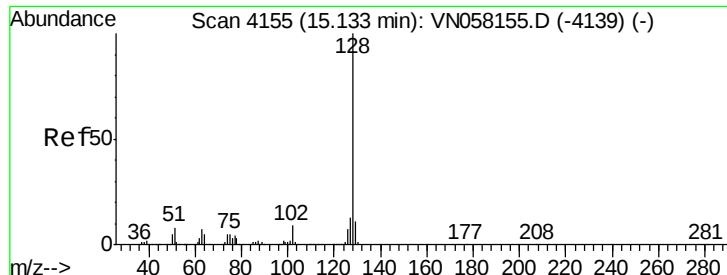


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 3.053 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA\_N

ClientSampleId :

I.BLK

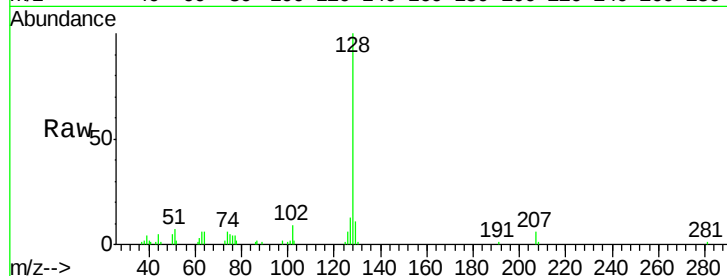
Tot Ion:128 Resp: 41201

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 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

