

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\  
 Data File : VN060186.D  
 Acq On : 21 Feb 2020 13:38  
 Operator : JC/MD  
 Sample : L1645-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Feb 21 23:04:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 178273   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 277312   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 254755   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 110310   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 106164   | 48.94 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.88% |      |
| 35) Dibromofluoromethane    | 7.56   | 113 | 83354    | 48.90 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.80% |      |
| 50) Toluene-d8              | 10.08  | 98  | 333362   | 49.66 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.32% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 116797   | 47.35 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.70% |      |

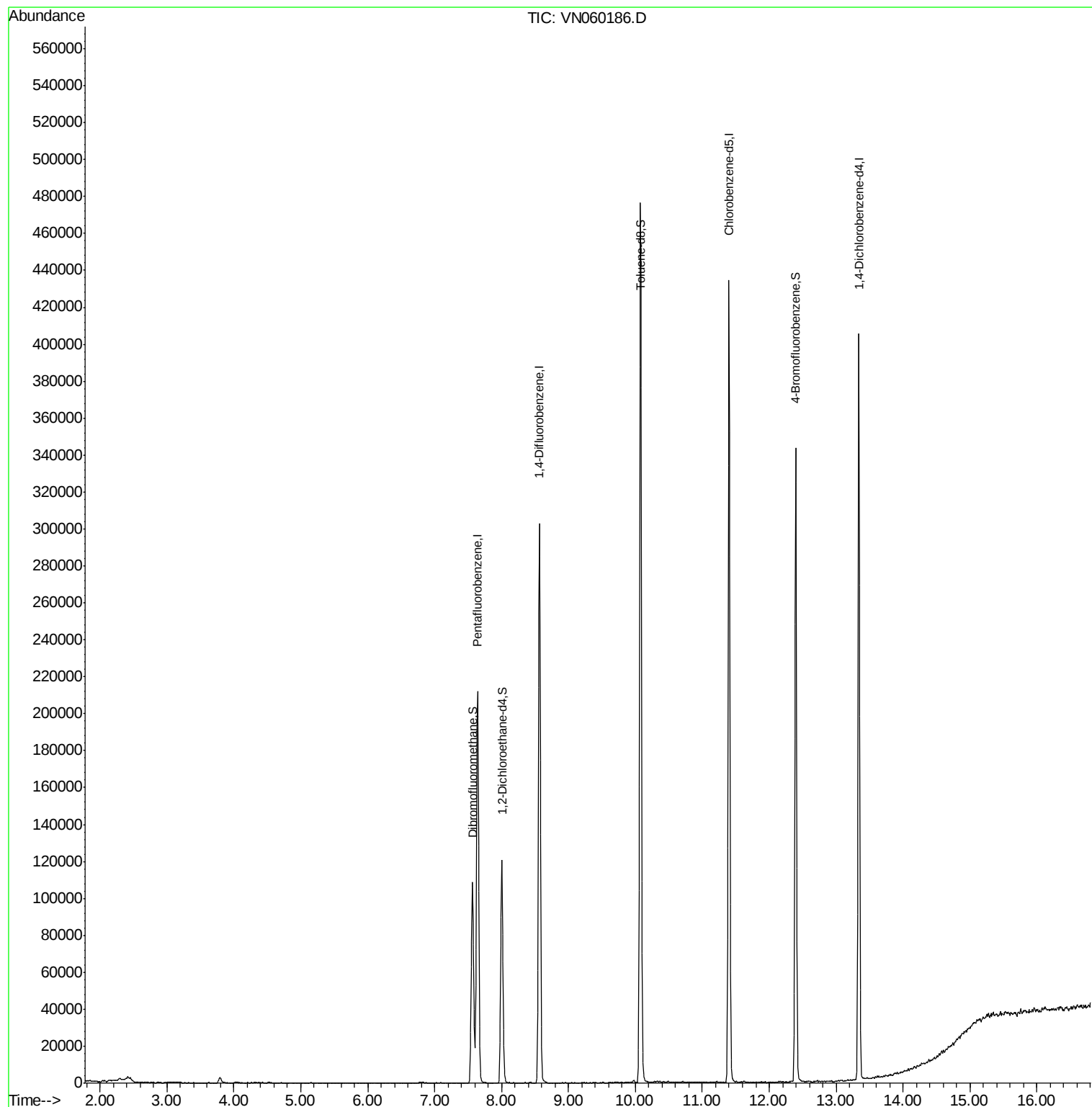
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022120\  
Data File : VN060186.D  
Acq On : 21 Feb 2020 13:38  
Operator : JC/MD  
Sample : L1645-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Quant Time: Feb 21 23:04:03 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060186.D

Acq: 21 Feb 2020 13:38

Instrument :

MSVOA\_N

ClientSampleId :

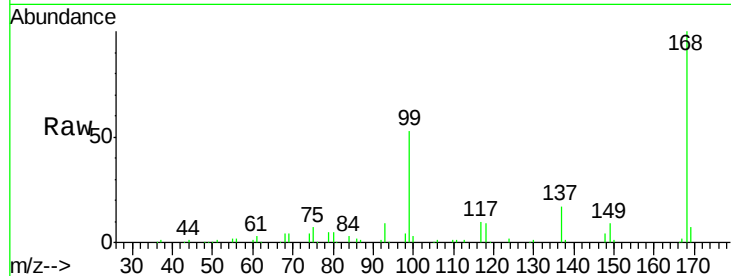
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 178273

Ion Ratio Lower Upper

168 100

99 53.4 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

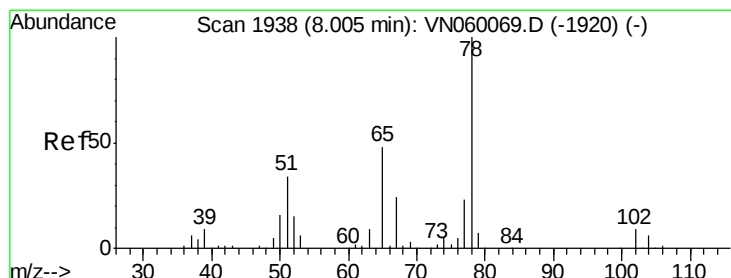
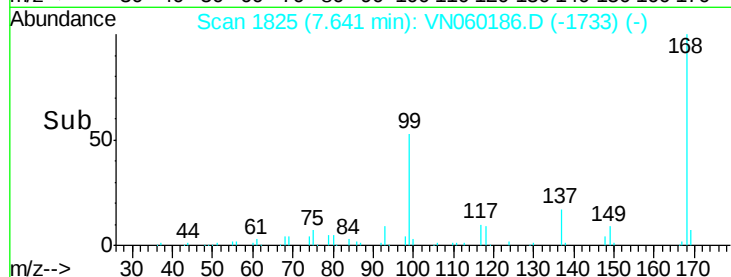
40000

20000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.940 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060186.D

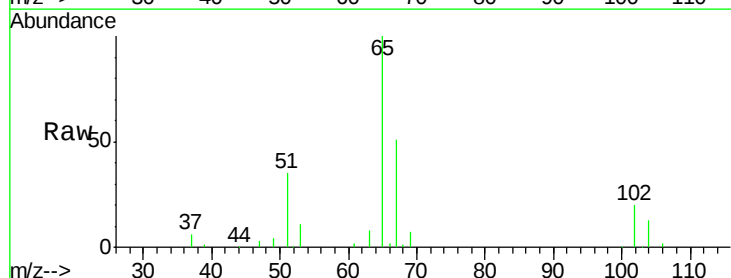
Acq: 21 Feb 2020 13:38

Tgt Ion: 65 Resp: 106164

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

50000

40000

30000

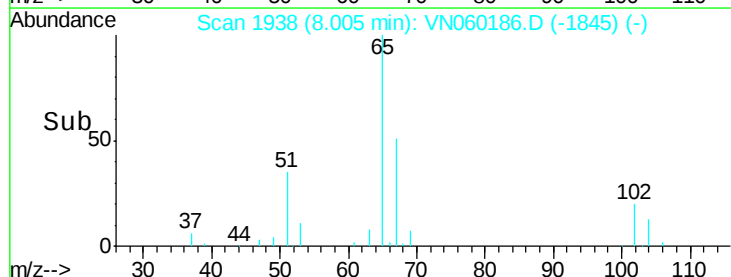
20000

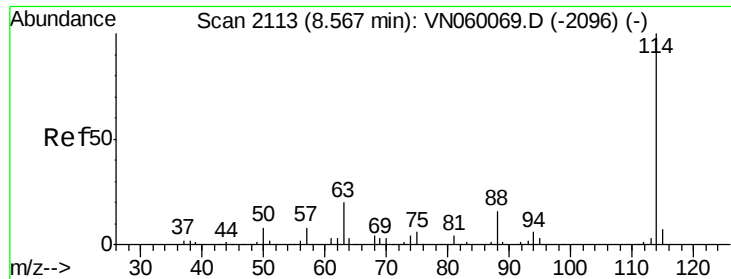
10000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060186.D

Acq: 21 Feb 2020 13:38

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

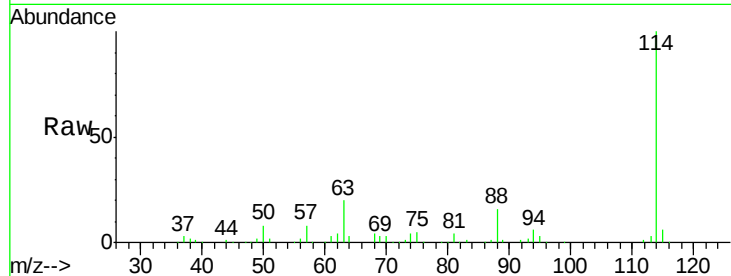
Tot Ion:114 Resp: 277312

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

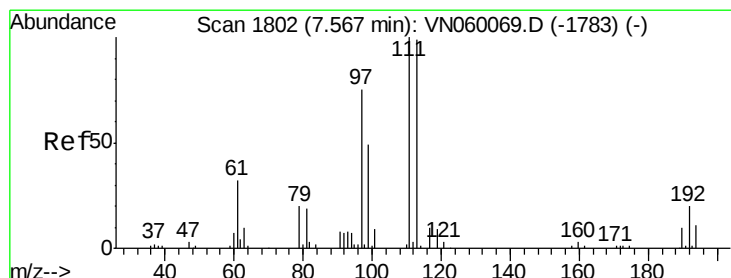
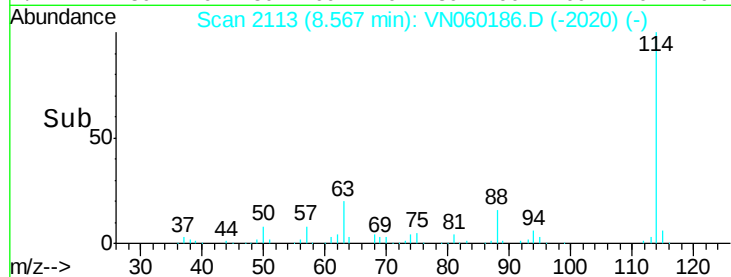
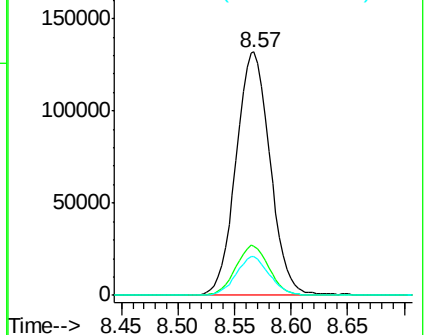
88 15.9 0.0 31.6



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: 48.898 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060186.D

Acq: 21 Feb 2020 13:38

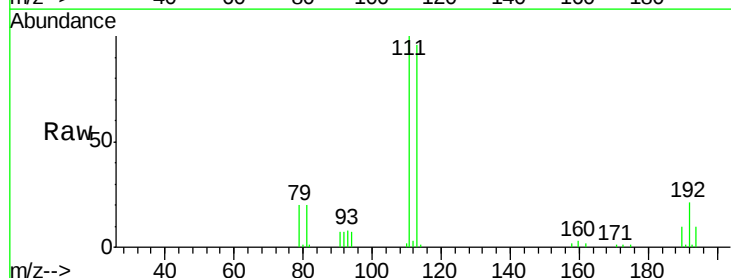
Tgt Ion:113 Resp: 83354

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

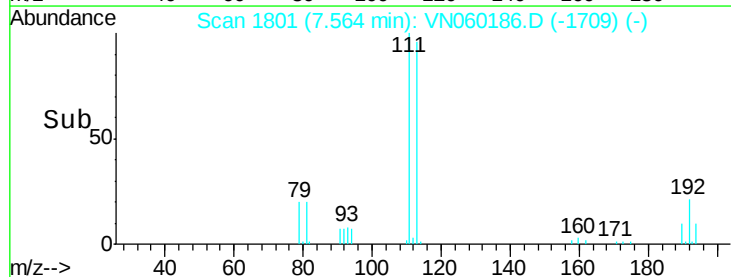
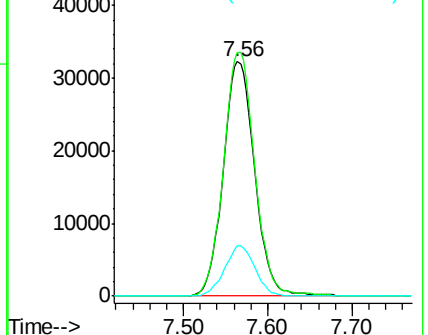
192 20.7 16.2 24.2

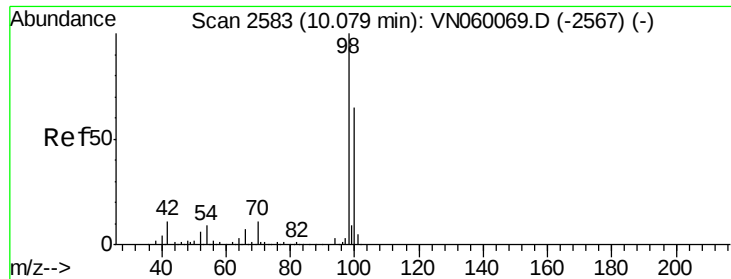


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.661 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060186.D

Acq: 21 Feb 2020 13:38

Instrument :

MSVOA\_N

ClientSampleId :

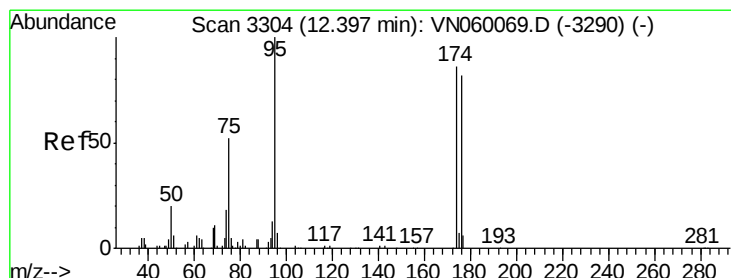
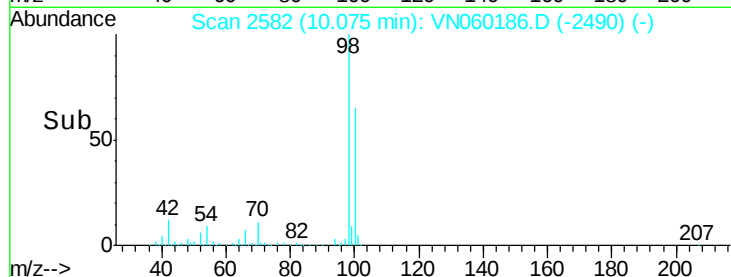
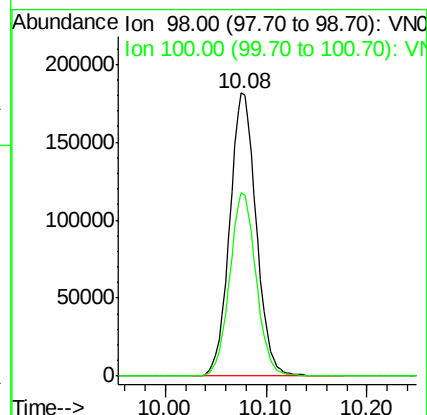
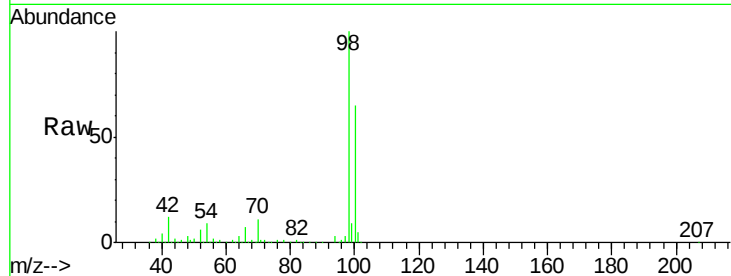
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 333362

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.351 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060186.D

Acq: 21 Feb 2020 13:38

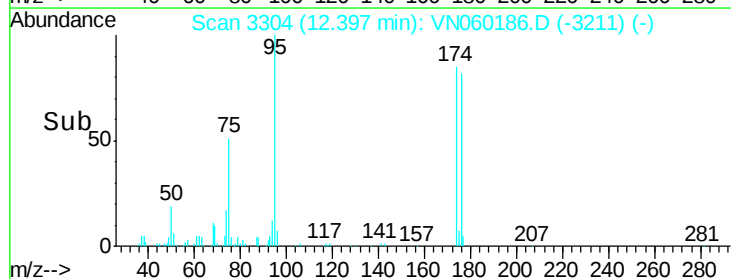
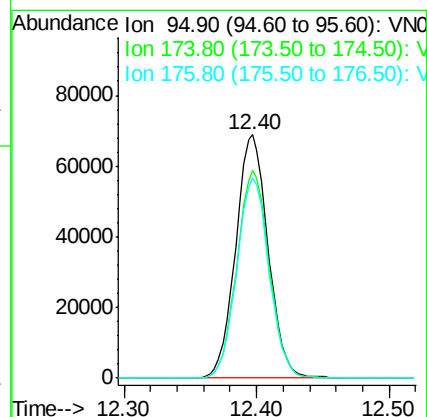
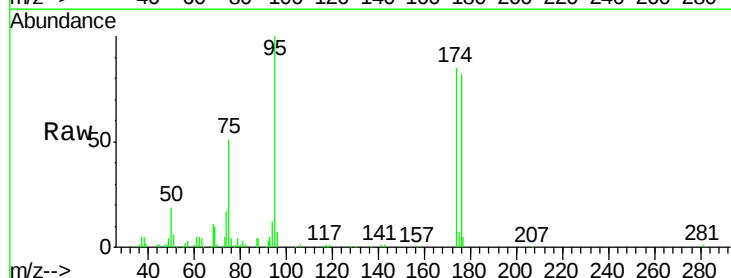
Tgt Ion: 95 Resp: 116797

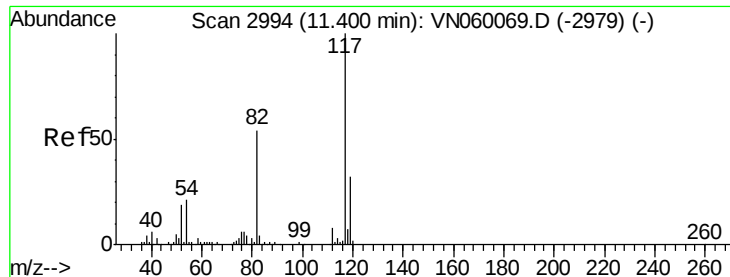
Ion Ratio Lower Upper

95 100

174 85.3 0.0 169.8

176 82.2 0.0 164.8

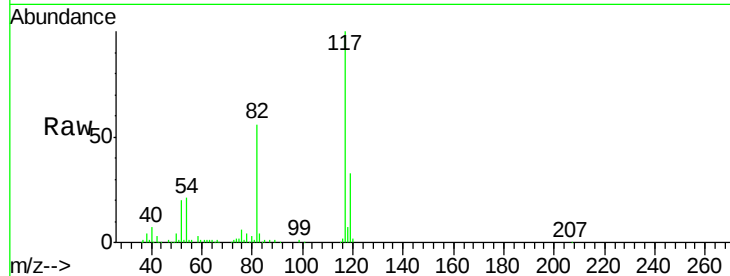




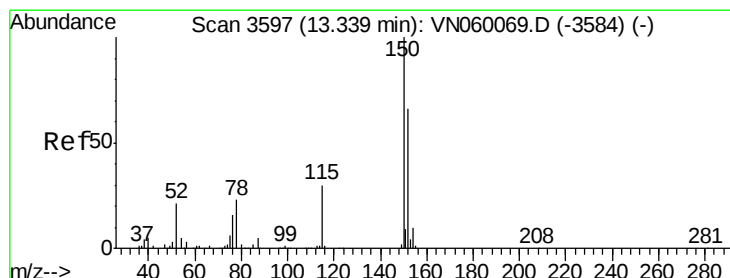
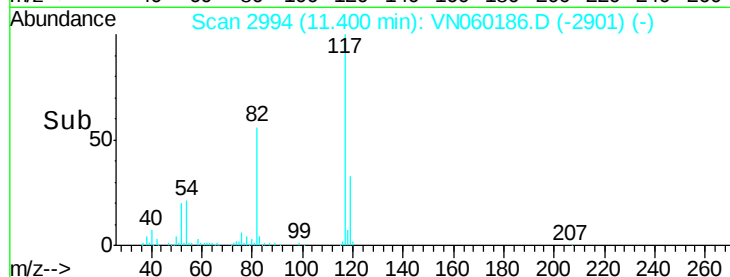
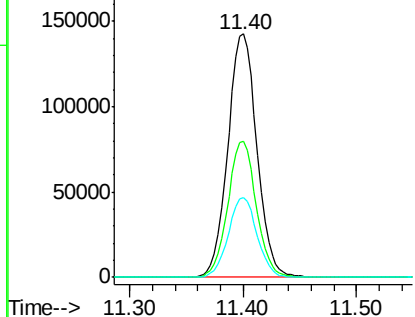
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060186.D  
Acq: 21 Feb 2020 13:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 254755  
Ion Ratio Lower Upper  
117 100  
82 56.1 43.4 65.0  
119 32.8 25.8 38.6

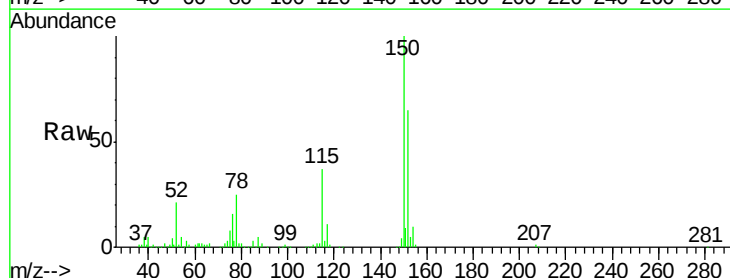


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060186.D  
Acq: 21 Feb 2020 13:38

Tgt Ion:152 Resp: 110310  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.9 86.8  
150 156.5 0.0 342.4



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

