

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\  
 Data File : VN064950.D  
 Acq On : 7 Dec 2020 17:12  
 Operator : JC/MD  
 Sample : L4962-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

Quant Time: Dec 08 16:55:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112320W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 23 13:54:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 179048   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 319496   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 328588   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 143089   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 7.99  | 65       | 109431   | 52.57 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =     | 105.14% |          |
| 35) Dibromofluoromethane    |        | 7.55  | 113      | 101221   | 52.95 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =     | 105.90% |          |
| 50) Toluene-d8              |        | 10.06 | 98       | 398744   | 51.05 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =     | 102.10% |          |
| 62) 4-Bromofluorobenzene    |        | 12.37 | 95       | 150780   | 53.94 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =     | 107.88% |          |

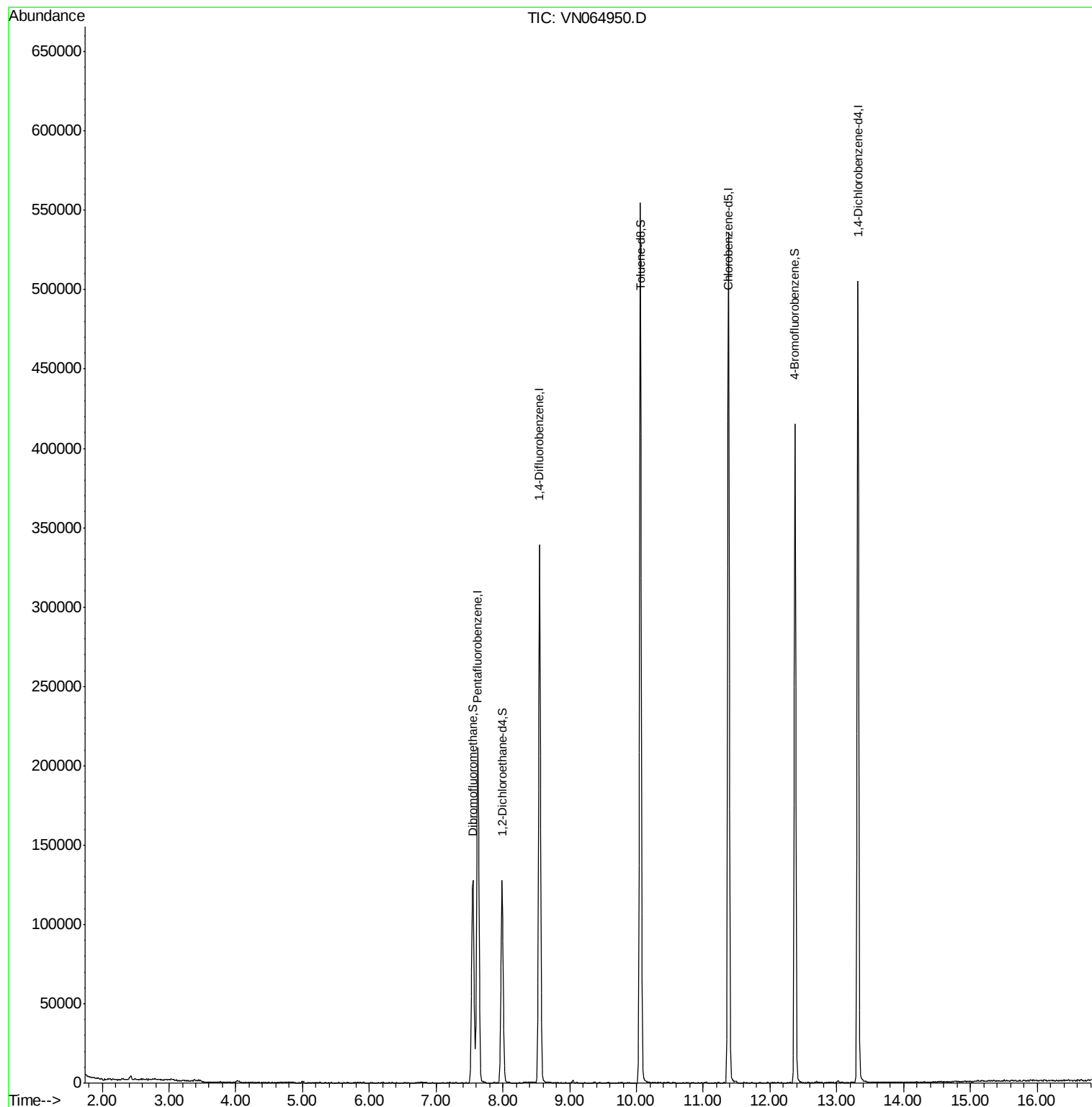
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

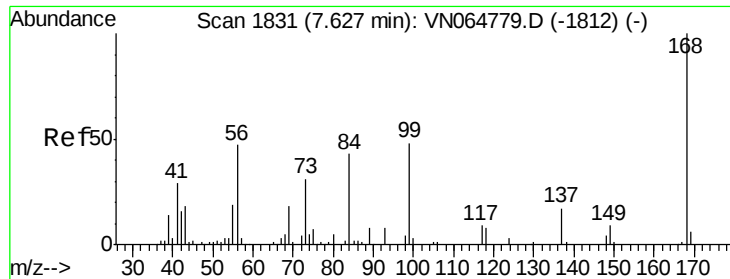
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Nov 23 13:54:12 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

Instrument :

MSVOA\_N

ClientSampled :

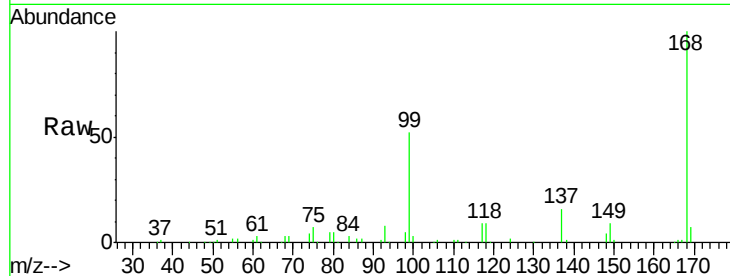
MW-2

Tot Ion:168 Resp: 179048

Ion Ratio Lower Upper

168 100

99 51.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

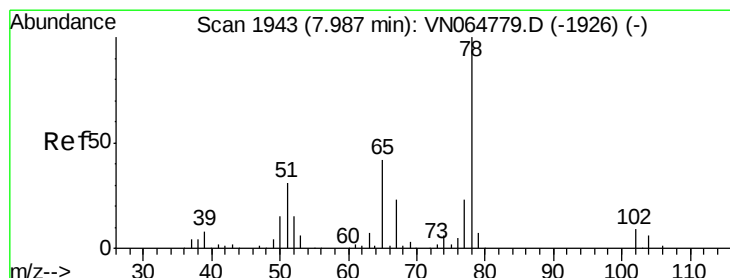
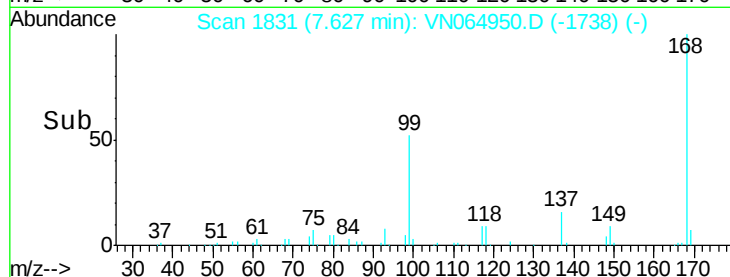
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#33

1,2-Dichloroethane-d4

Concen: 52.572 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064950.D

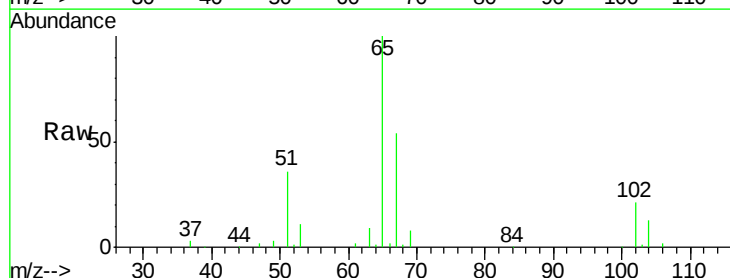
Acq: 7 Dec 2020 17:12

Tgt Ion: 65 Resp: 109431

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

50000

40000

30000

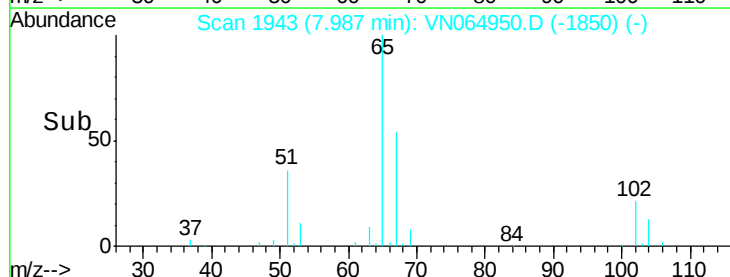
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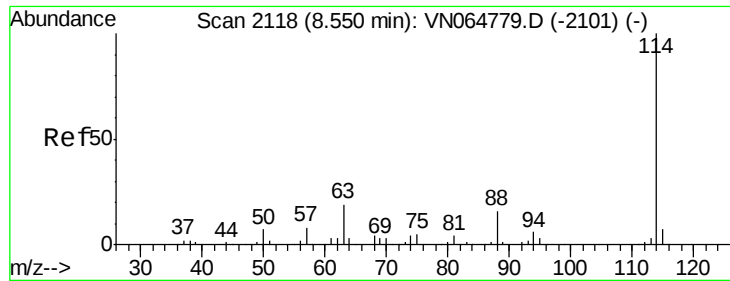
10000

0

Time-->

7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

Instrument :

MSVOA\_N

ClientSampleId :

MW-2

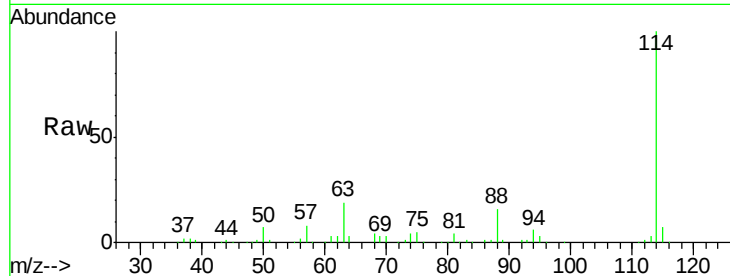
Tot Ion:114 Resp: 319496

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

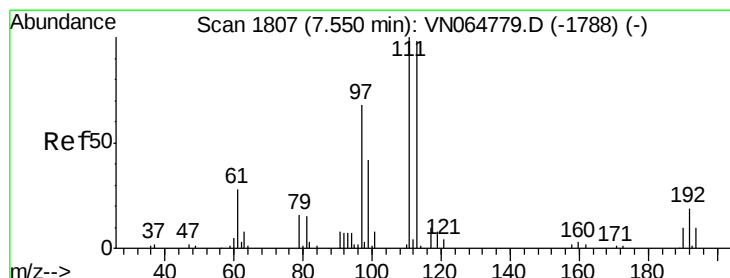
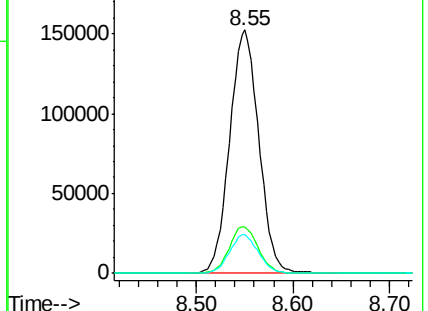
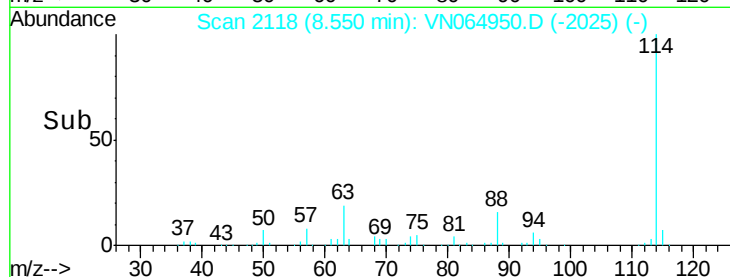
88 16.2 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 52.946 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

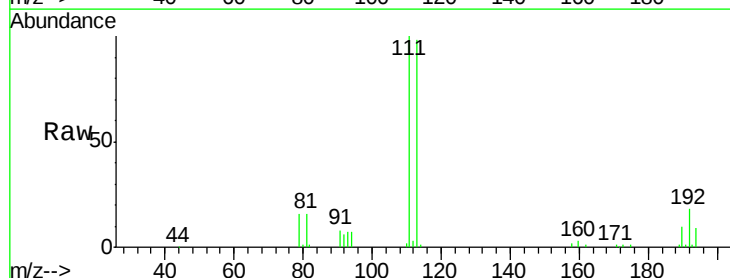
Tgt Ion:113 Resp: 101221

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

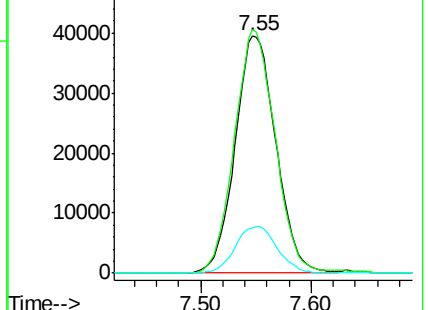
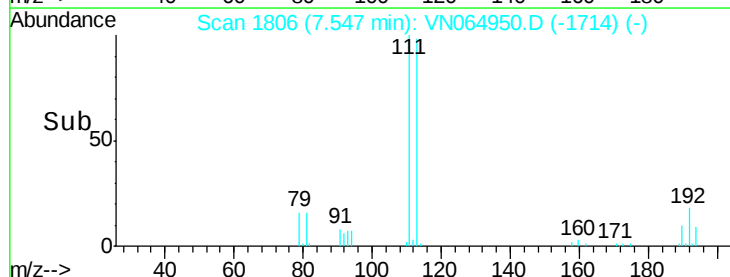
192 20.0 16.2 24.2

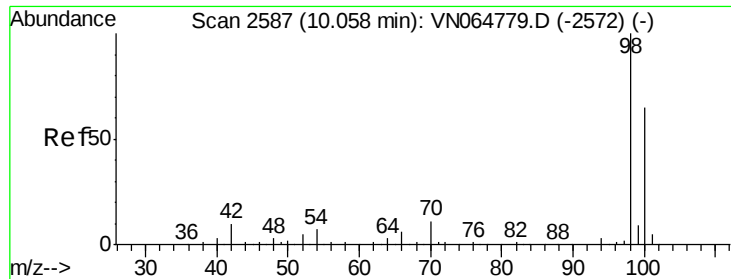


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.047 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

Instrument :

MSVOA\_N

ClientSampleId :

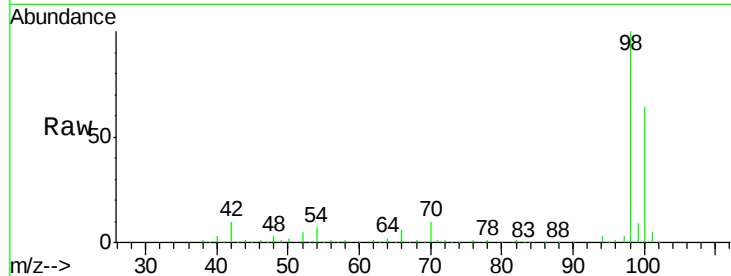
MW-2

Tot Ion: 98 Resp: 398744

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

250000

200000

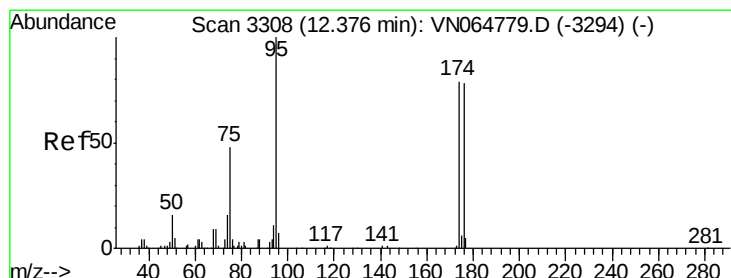
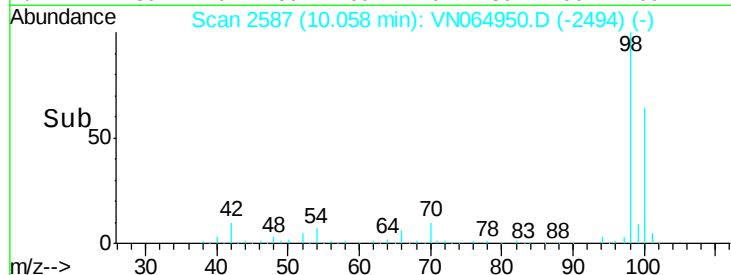
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.936 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

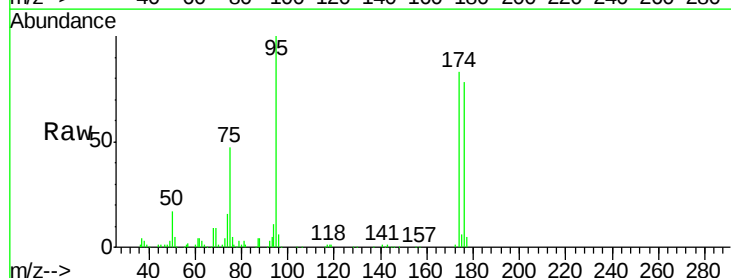
Tgt Ion: 95 Resp: 150780

Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.4

176 78.6 0.0 158.4



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

120000

100000

80000

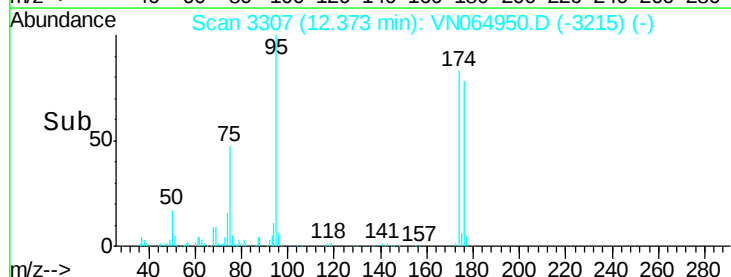
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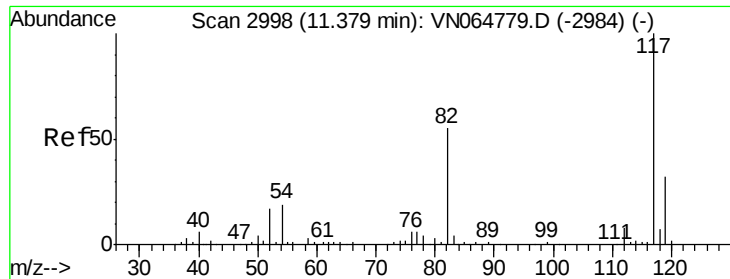
40000

20000

0

Time-->

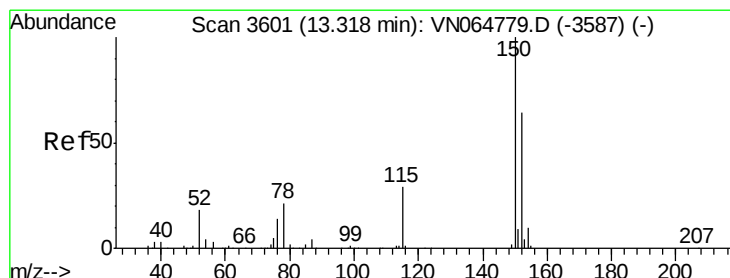
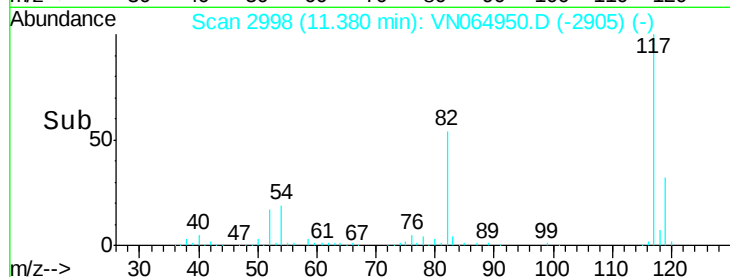
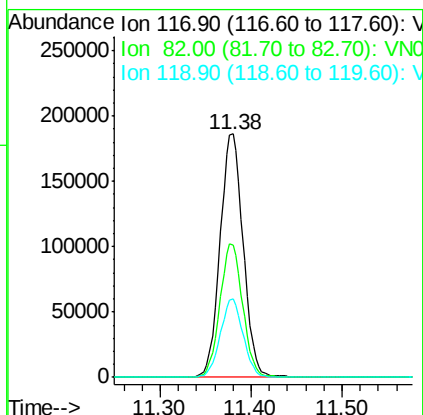
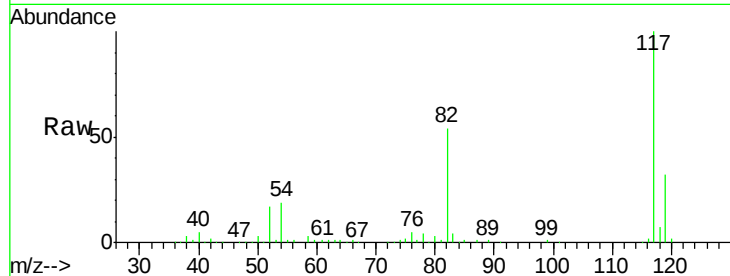




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064950.D  
Acq: 7 Dec 2020 17:12

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2

Tot Ion:117 Resp: 328588  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.2 66.2  
119 32.2 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3600  
Delta R.T. -0.00 min  
Lab File: VN064950.D  
Acq: 7 Dec 2020 17:12

Tgt Ion:152 Resp: 143089  
Ion Ratio Lower Upper  
152 100  
115 59.4 29.7 89.1  
150 158.1 0.0 350.6

