

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\  
 Data File : VN063813.D  
 Acq On : 2 Oct 2020 11:52  
 Operator : JC/MD  
 Sample : VN1002WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1002WBL01

Quant Time: Oct 05 04:34:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 01:46:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 214870   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 386472   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 392469   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 161425   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 188264   | 53.04 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.08% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 132573   | 49.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.88%  |      |
| 50) Toluene-d8              | 10.06  | 98  | 495217   | 48.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.42%  |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 192279   | 50.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.64% |      |

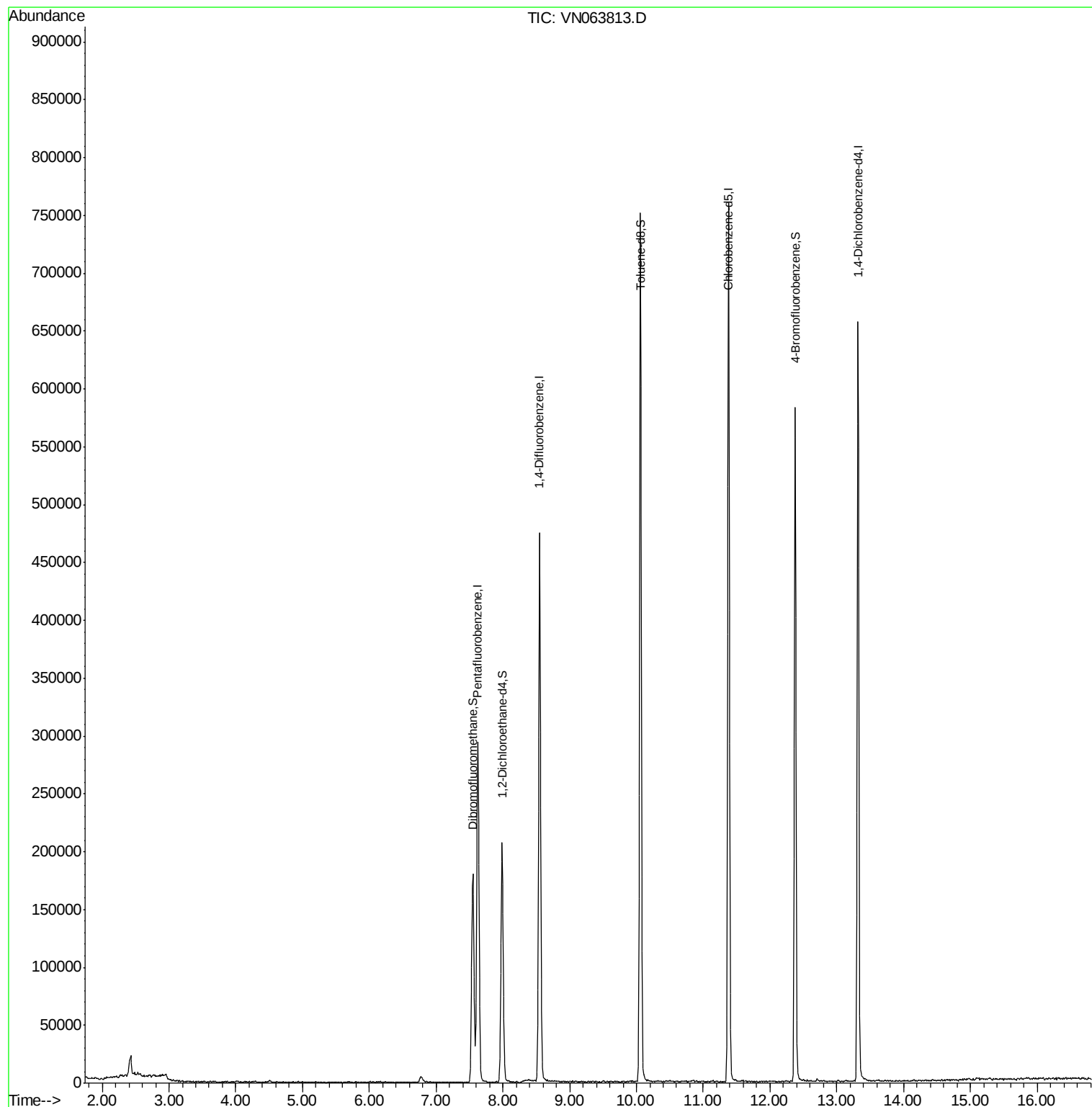
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

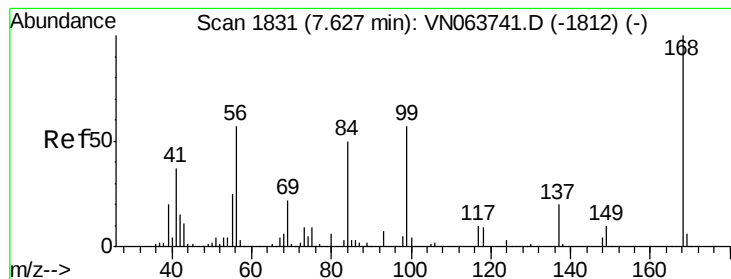
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100220\  
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MSVOA\_N  
ClientSampleId :  
VN1002WBL01

Quant Time: Oct 05 04:34:26 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 01:46:38 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: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA\_N

ClientSampleId :

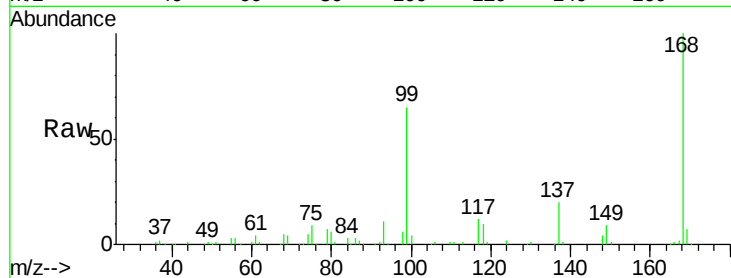
VN1002WBL01

Tot Ion:168 Resp: 214870

Ion Ratio Lower Upper

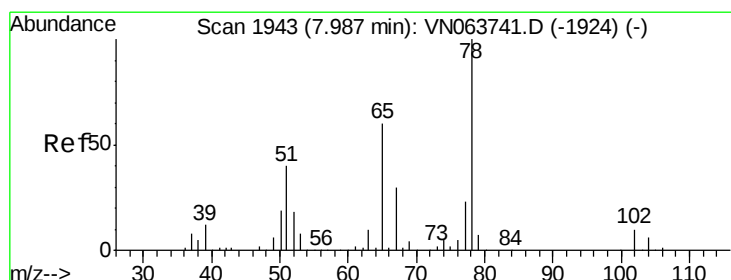
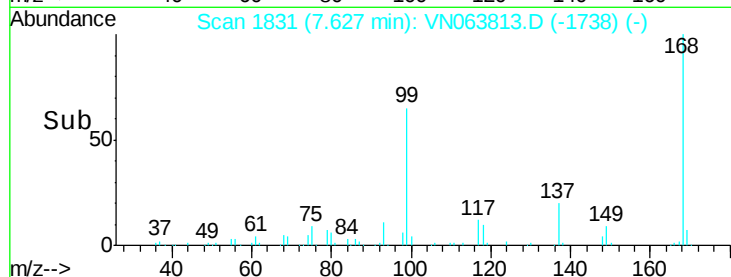
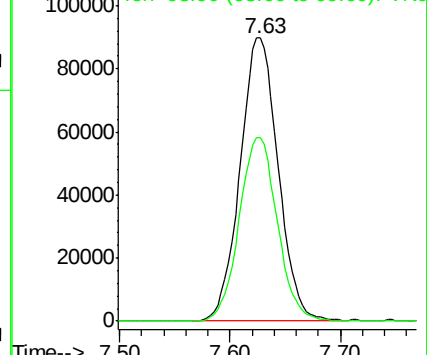
168 100

99 64.9 51.8 77.6



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: 53.035 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063813.D

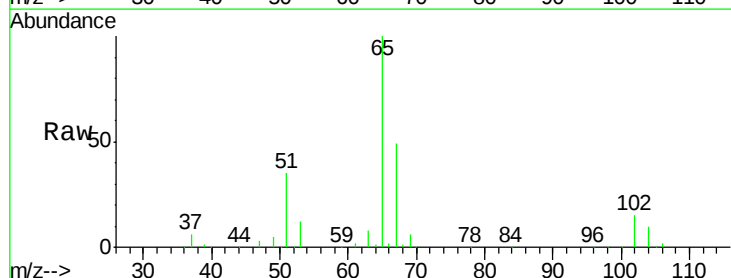
Acq: 2 Oct 2020 11:52

Tgt Ion: 65 Resp: 188264

Ion Ratio Lower Upper

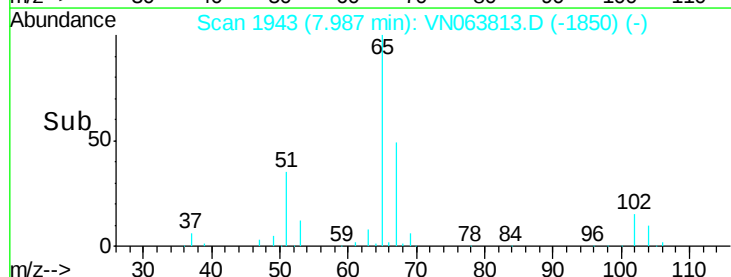
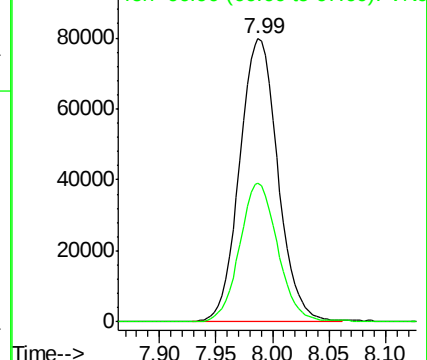
65 100

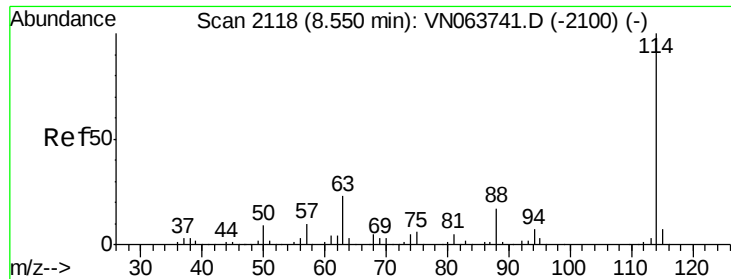
67 48.5 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

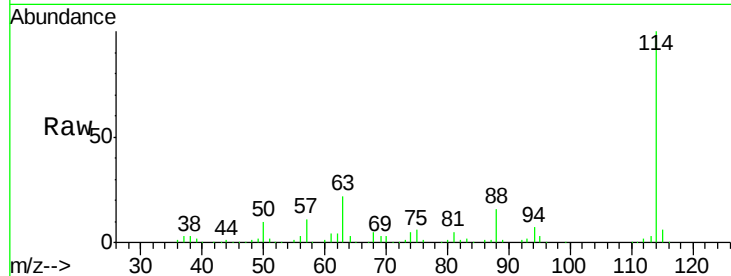




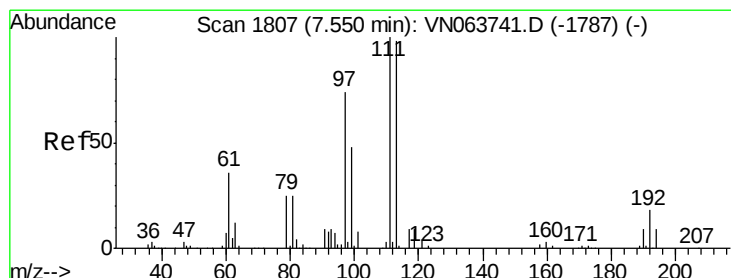
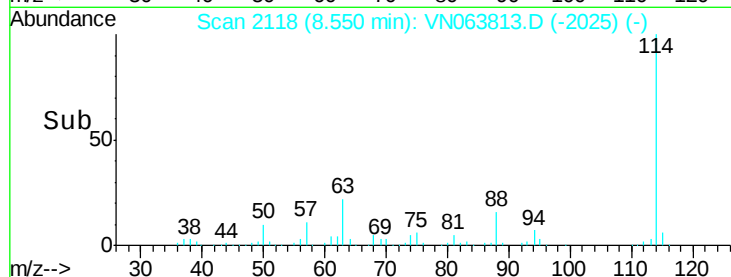
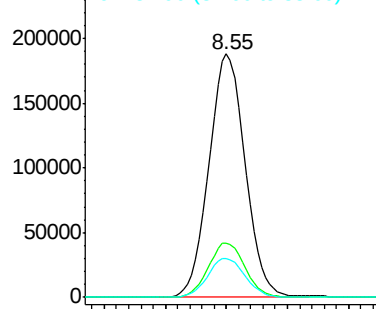
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.55 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VN063813.D  
Acq: 2 Oct 2020 11:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1002WBL01

Tot Ion:114 Resp: 386472  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 45.0  
88 16.2 0.0 34.0

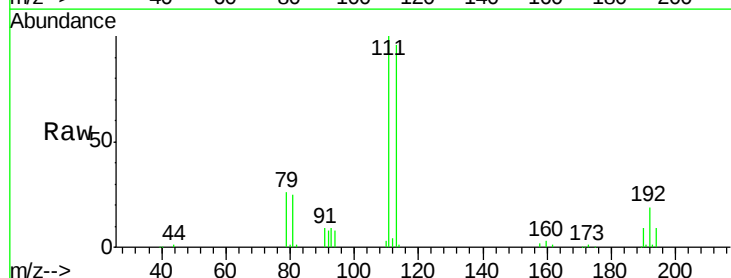


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): V  
Ion 87.90 (87.60 to 88.60): V

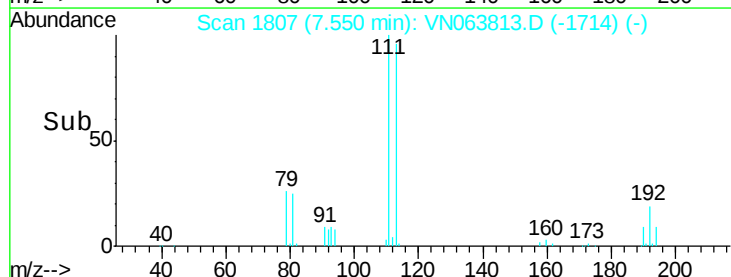
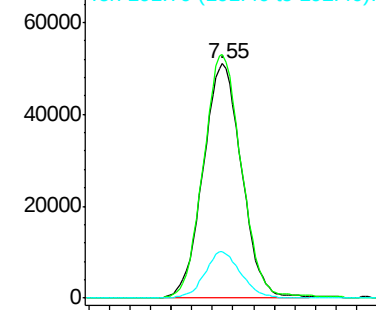


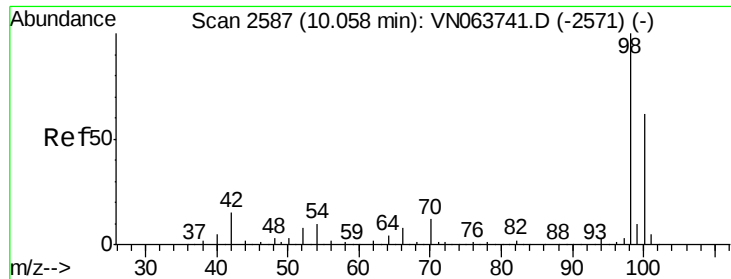
#35  
Dibromofluoromethane  
Concen: 49.437 ug/l  
RT: 7.55 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN063813.D  
Acq: 2 Oct 2020 11:52

Tgt Ion:113 Resp: 132573  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.8 122.8  
192 18.5 14.2 21.2



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: 48.714 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

Instrument :

MSVOA\_N

ClientSampled :

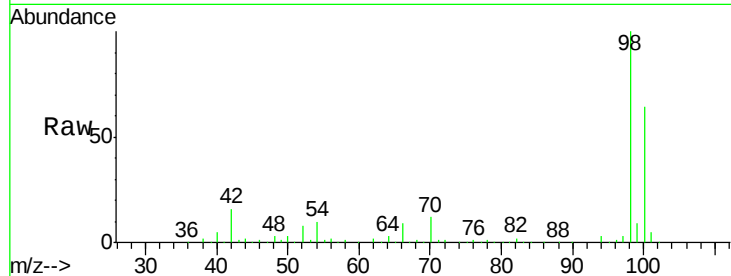
VN1002WBL01

Tot Ion: 98 Resp: 495217

Ion Ratio Lower Upper

98 100

100 63.5 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063813.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN063813.D (-2494) (-)

10.06

300000

250000

200000

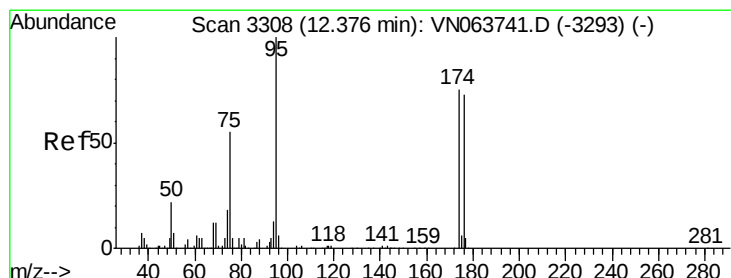
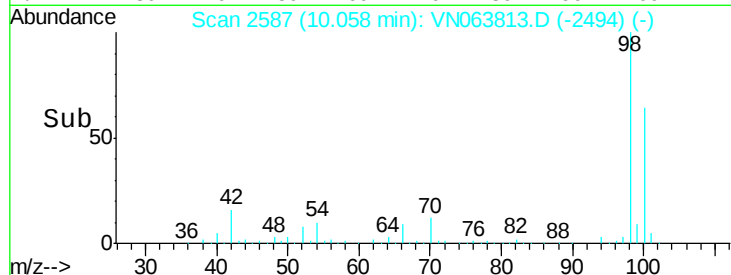
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.316 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063813.D

Acq: 2 Oct 2020 11:52

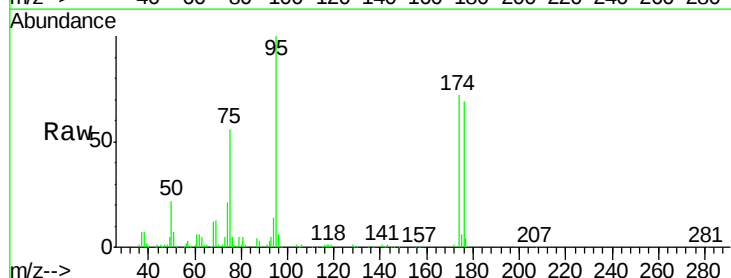
Tgt Ion: 95 Resp: 192279

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.6

176 71.1 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063813.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063813.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063813.D (-3215) (-)

12.38

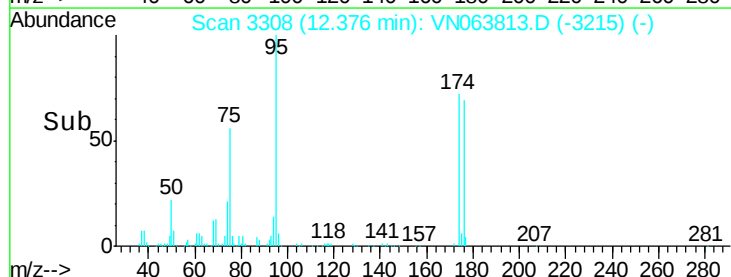
150000

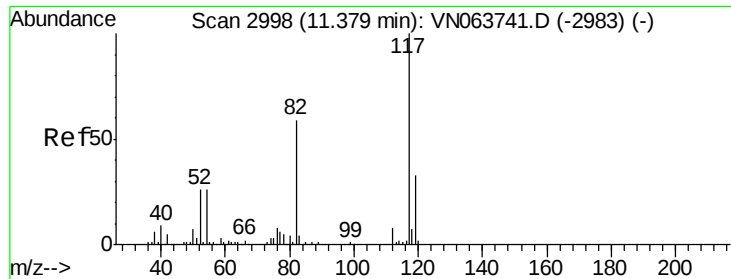
100000

50000

0

Time-->

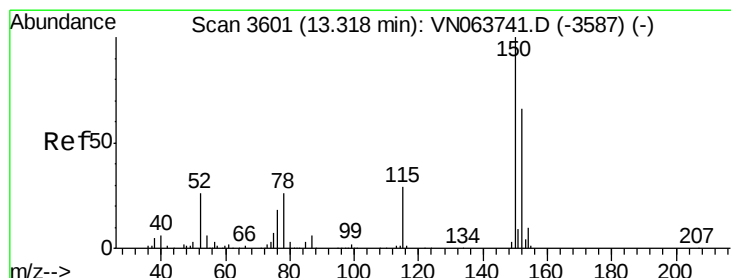
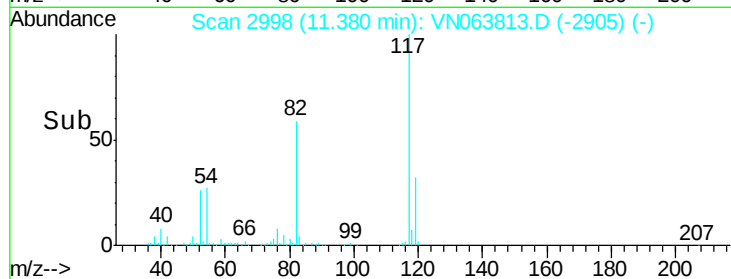
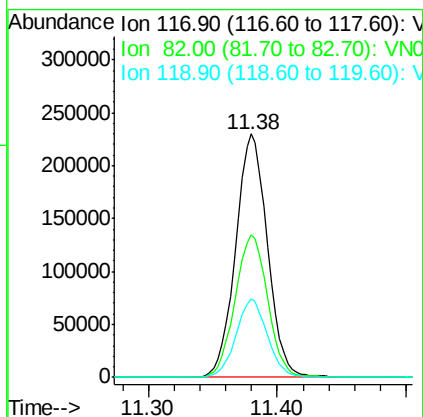
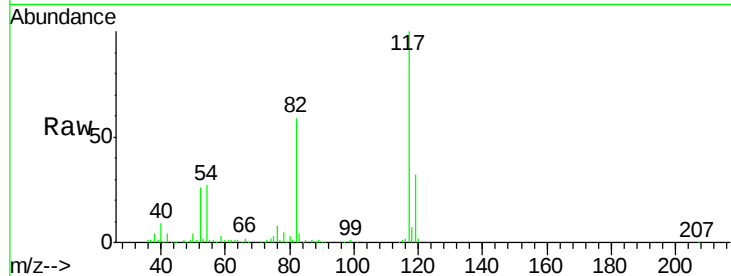




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063813.D  
Acq: 2 Oct 2020 11:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1002WBL01

Tot Ion:117 Resp: 392469  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.4 71.2  
119 32.2 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063813.D  
Acq: 2 Oct 2020 11:52

Tgt Ion:152 Resp: 161425  
Ion Ratio Lower Upper  
152 100  
115 64.0 31.3 93.8  
150 158.5 0.0 341.8

