

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\  
 Data File : VN064710.D  
 Acq On : 18 Nov 2020 16:33  
 Operator : JC/MD  
 Sample : VN1118WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBL01

Quant Time: Nov 18 18:22:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 18 15:29:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 221373   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 452999   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 472681   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 199482   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 211683   | 54.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.72% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 135189   | 52.43 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.86% |      |
| 50) Toluene-d8              | 10.06  | 98  | 577933   | 49.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.64%  |      |
| 62) 4-Bromofluorobenzene    | 12.37  | 95  | 238316   | 54.41 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.82% |      |

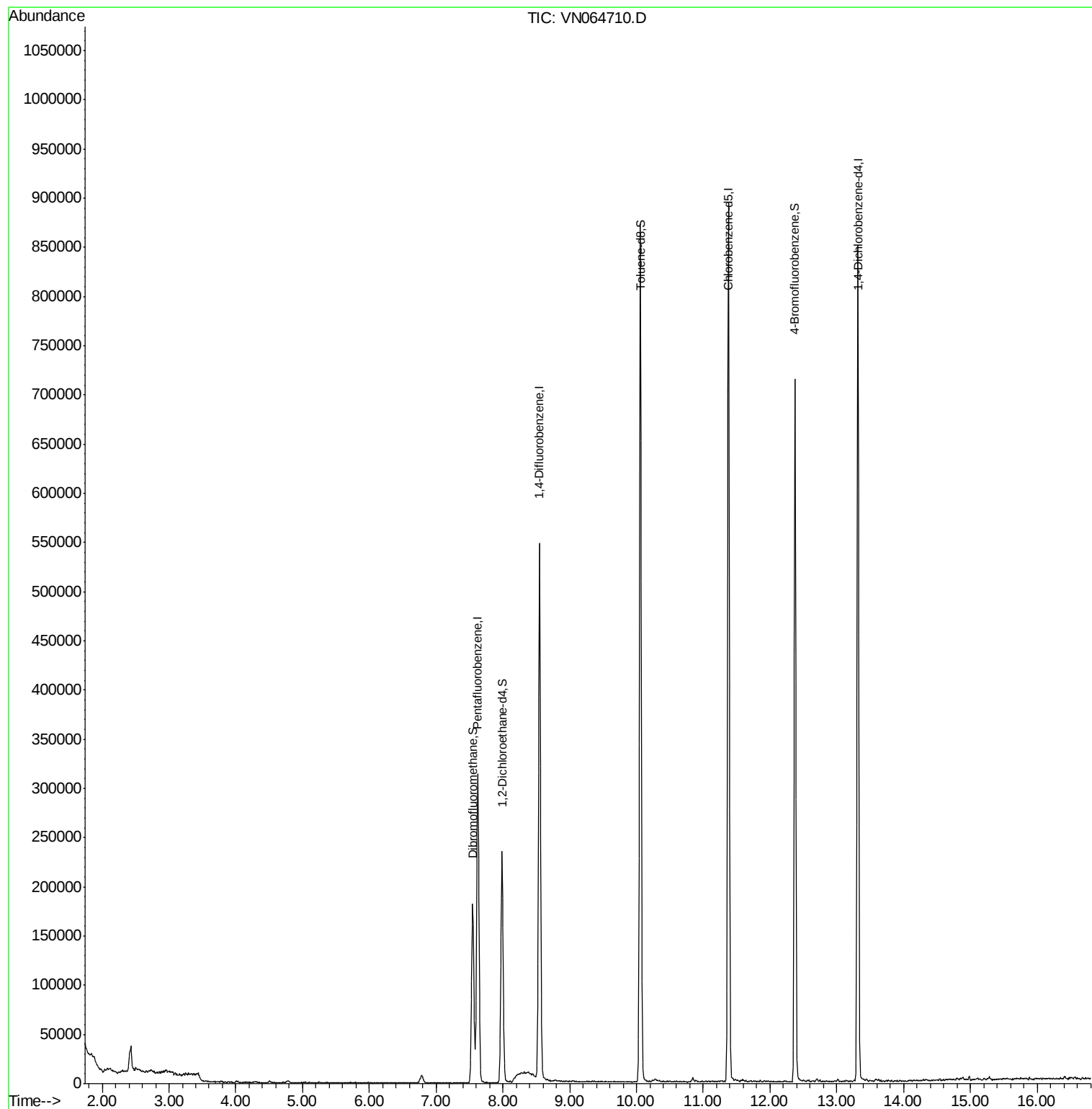
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

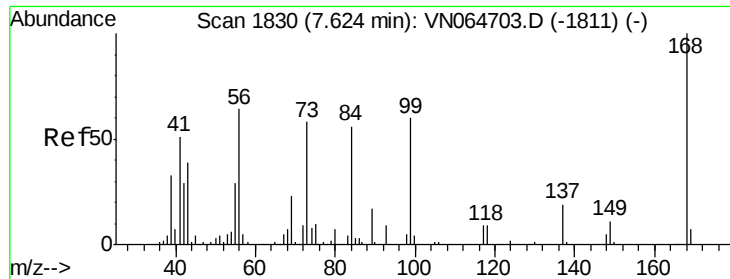
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
VN1118WBL01

Quant Time: Nov 18 18:22:18 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N111820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 18 15:29:54 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064710.D

Acq: 18 Nov 2020 16:33

Instrument :

MSVOA\_N

ClientSampled :

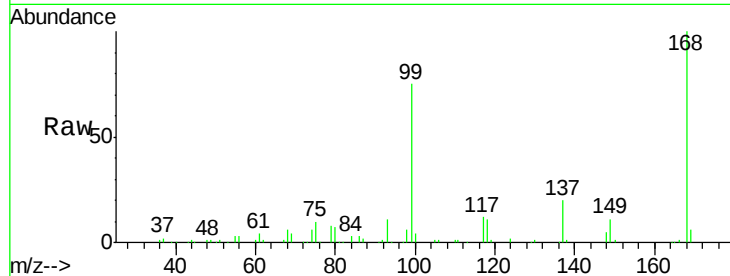
VN1118WBL01

Tot Ion:168 Resp: 221373

Ion Ratio Lower Upper

168 100

99 74.9 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

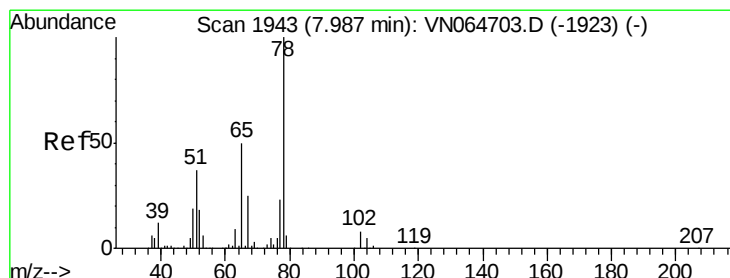
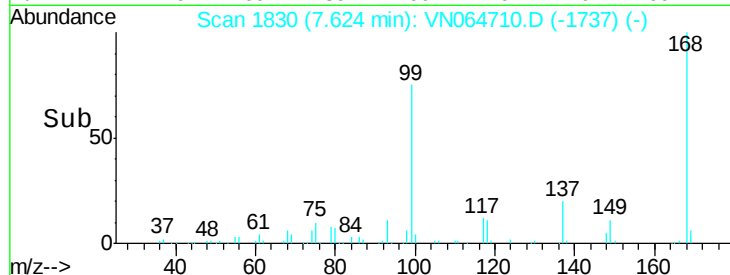
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 54.357 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064710.D

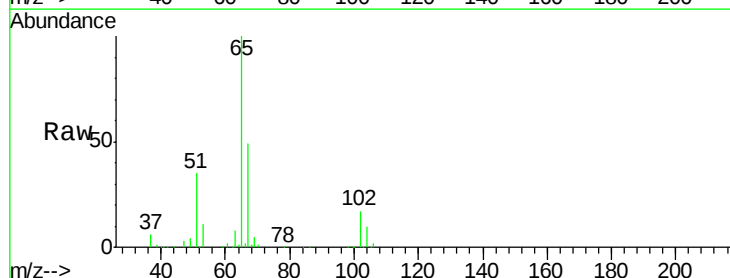
Acq: 18 Nov 2020 16:33

Tgt Ion: 65 Resp: 211683

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

7.99

80000

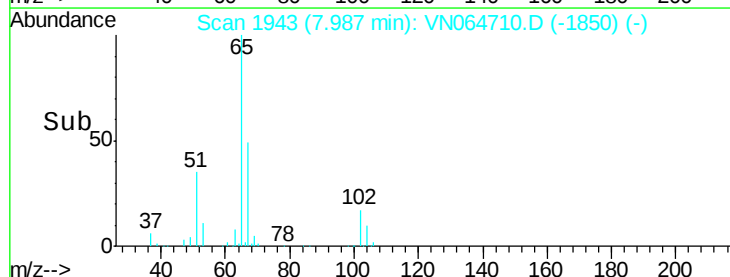
60000

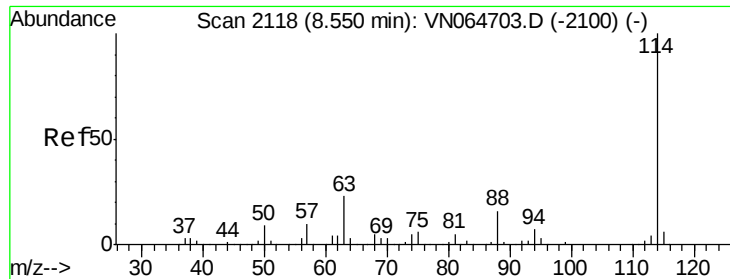
40000

20000

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: VN064710.D

Acq: 18 Nov 2020 16:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBL01

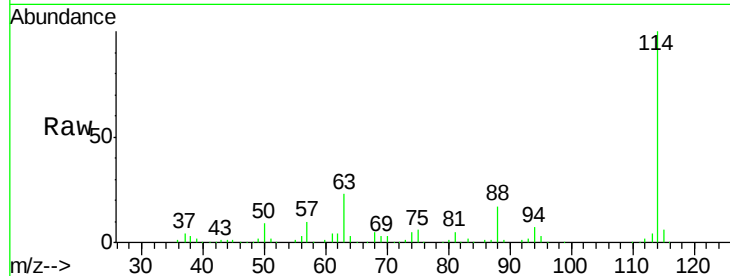
Tot Ion:114 Resp: 452999

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.0

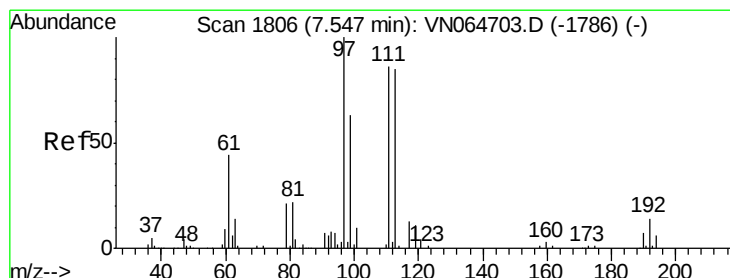
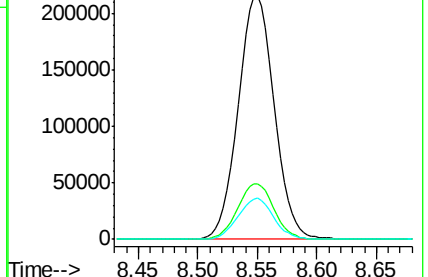
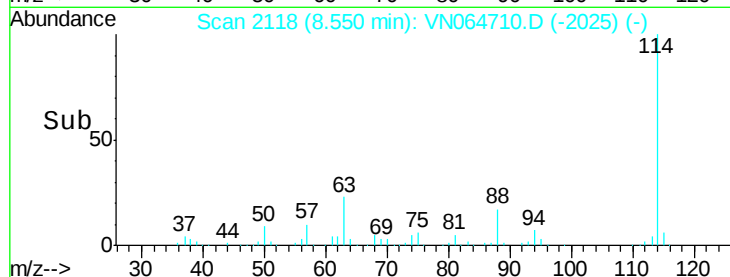
88 16.7 0.0 31.2



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: 52.432 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VN064710.D

Acq: 18 Nov 2020 16:33

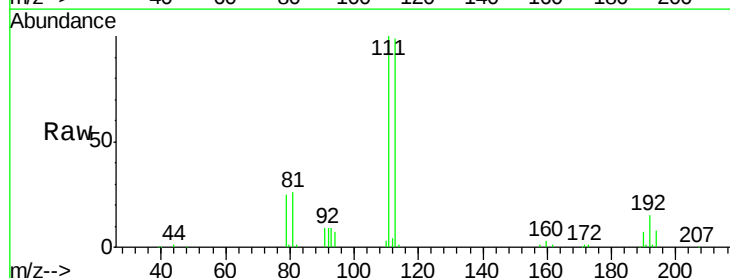
Tgt Ion:113 Resp: 135189

Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

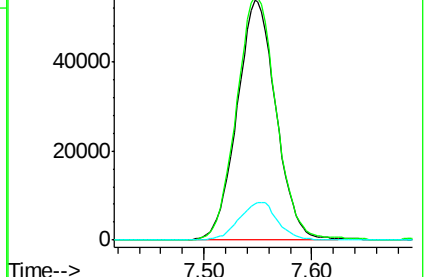
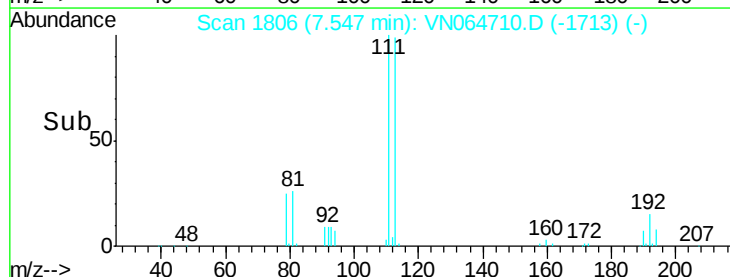
192 15.5 12.7 19.1

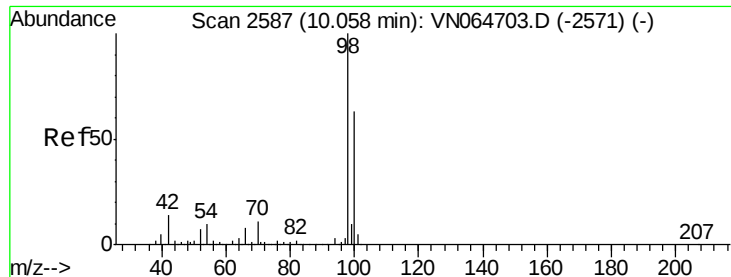


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.319 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064710.D

Acq: 18 Nov 2020 16:33

Instrument :

MSVOA\_N

ClientSampleId :

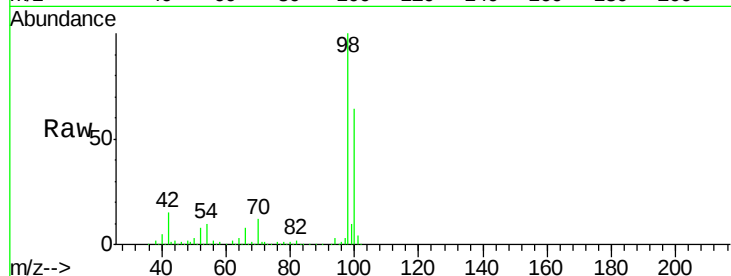
VN1118WBL01

Tot Ion: 98 Resp: 577933

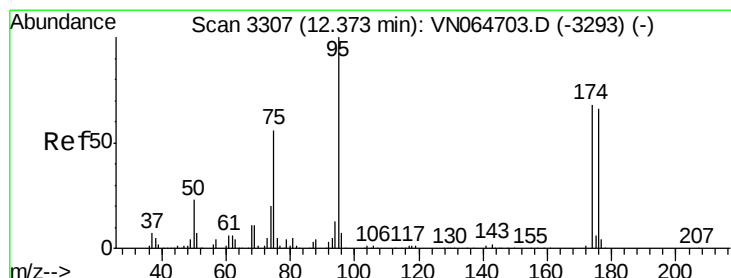
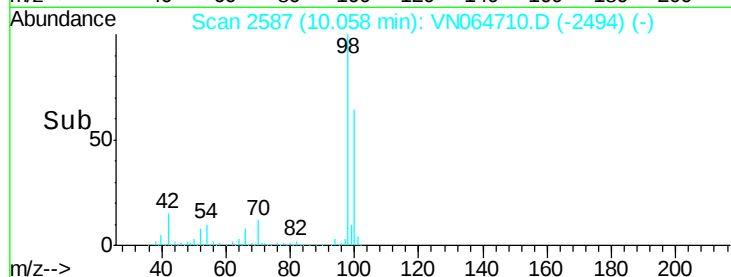
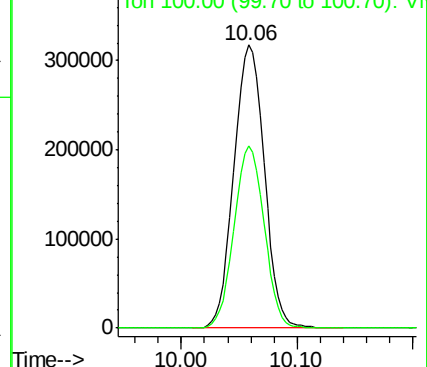
Ion Ratio Lower Upper

98 100

100 63.5 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064710.D (-2494) (-)



#62

4-Bromofluorobenzene

Concen: 54.410 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN064710.D

Acq: 18 Nov 2020 16:33

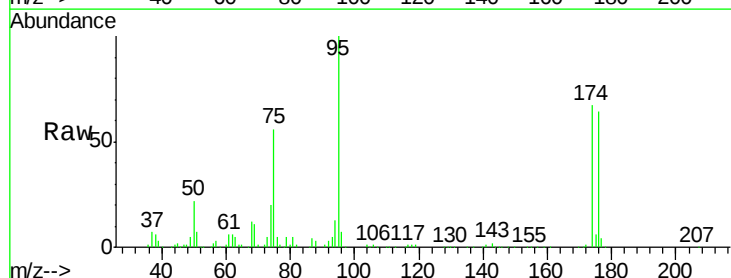
Tgt Ion: 95 Resp: 238316

Ion Ratio Lower Upper

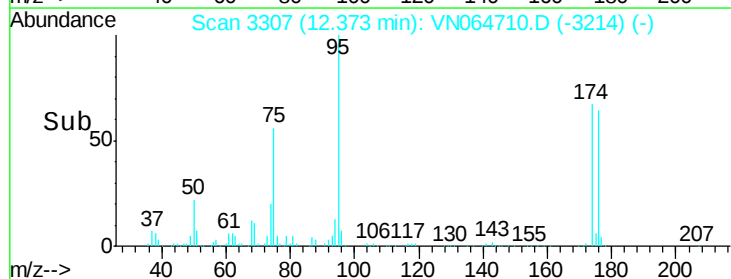
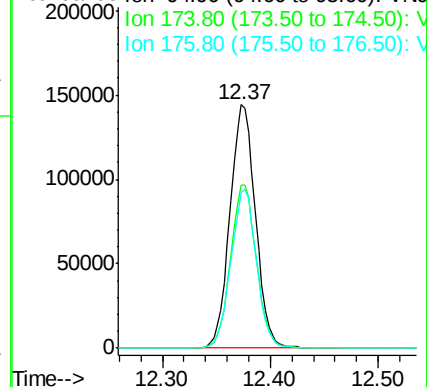
95 100

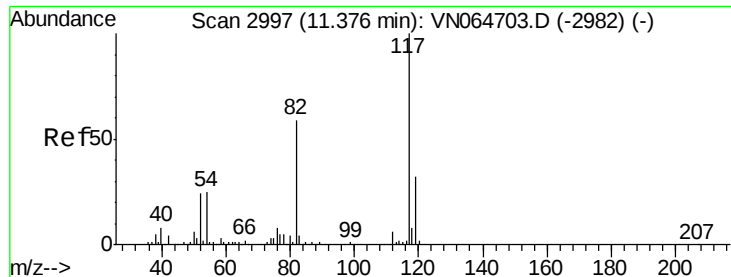
174 67.6 0.0 136.8

176 65.0 0.0 134.2



Abundance Ion 94.90 (94.60 to 95.60): VN064710.D (-3214) (-)

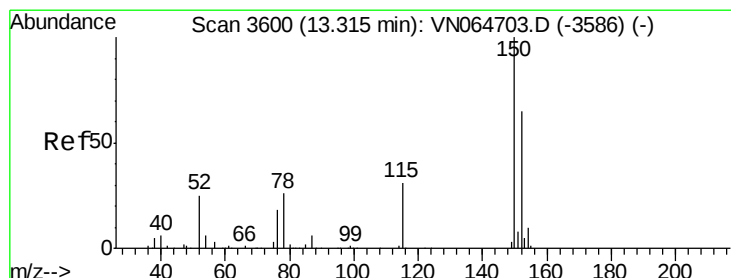
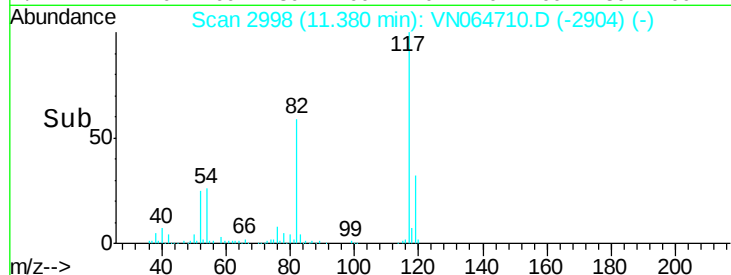
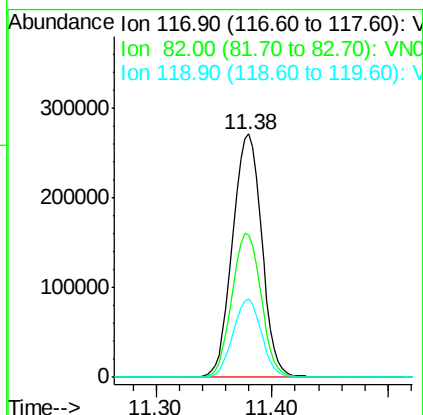
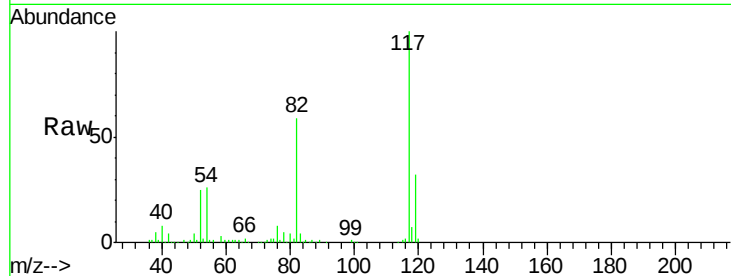




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064710.D  
Acq: 18 Nov 2020 16:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBL01

Tot Ion:117 Resp: 472681  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.0 70.6  
119 32.1 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN064710.D  
Acq: 18 Nov 2020 16:33

Tgt Ion:152 Resp: 199482  
Ion Ratio Lower Upper  
152 100  
115 66.1 32.1 96.3  
150 159.6 0.0 344.8

