

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013120\  
 Data File : VN059958.D  
 Acq On : 31 Jan 2020 19:06  
 Operator : JC/MD  
 Sample : L1329-17 50X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 40098

Quant Time: Feb 03 03:51:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 18 03:09:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 191364   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 294202   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 268622   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 122930   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 106719   | 50.22 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.44% |      |
| 35) Dibromofluoromethane    | 7.57   | 113 | 89662    | 51.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.22% |      |
| 50) Toluene-d8              | 10.08  | 98  | 352771   | 51.90 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.80% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 122636   | 50.04 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.08% |      |

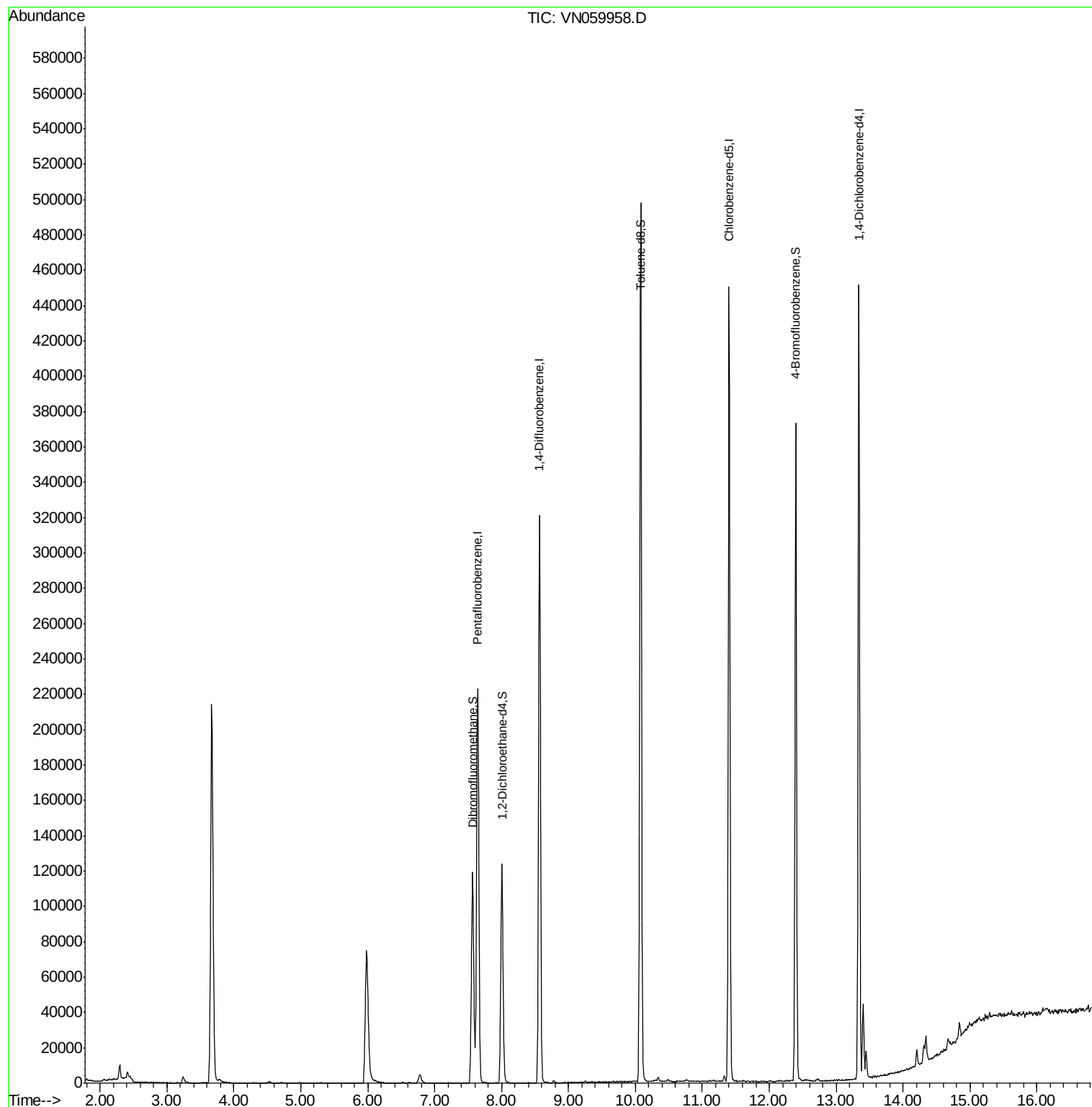
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

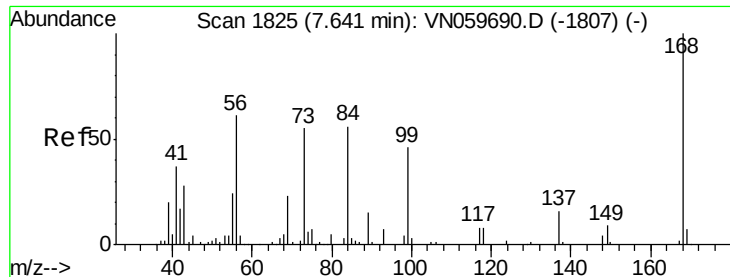
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jan 18 03:09:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

Instrument :

MSVOA\_N

ClientSampled :

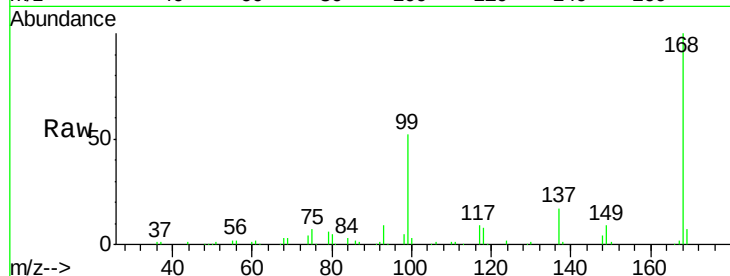
40098

Tot Ion:168 Resp: 191364

Ion Ratio Lower Upper

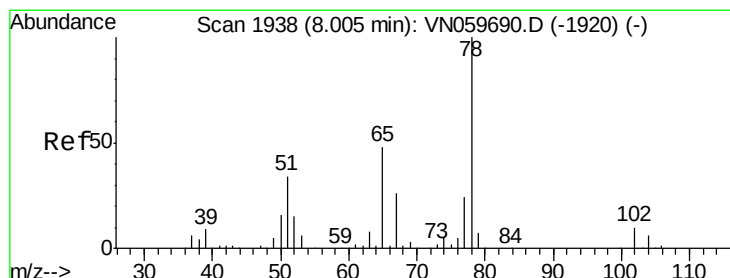
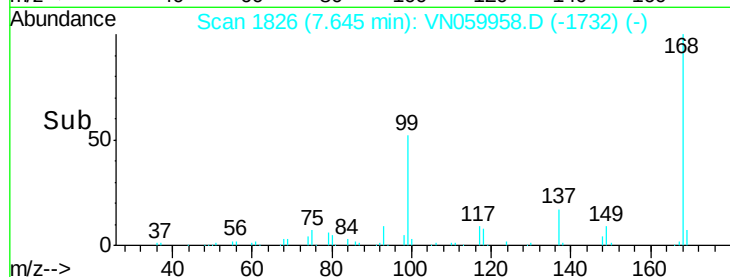
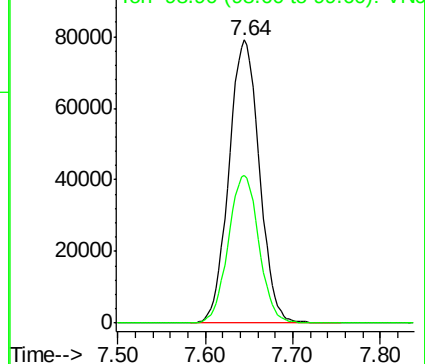
168 100

99 52.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: 50.217 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059958.D

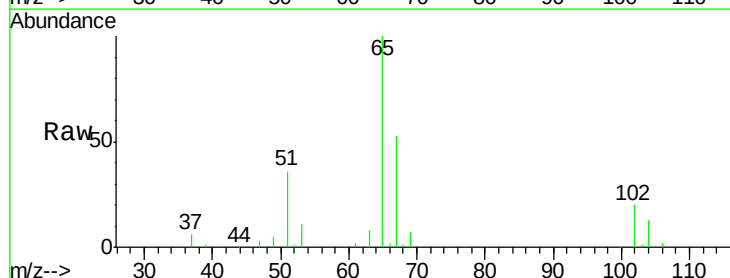
Acq: 31 Jan 2020 19:06

Tgt Ion: 65 Resp: 106719

Ion Ratio Lower Upper

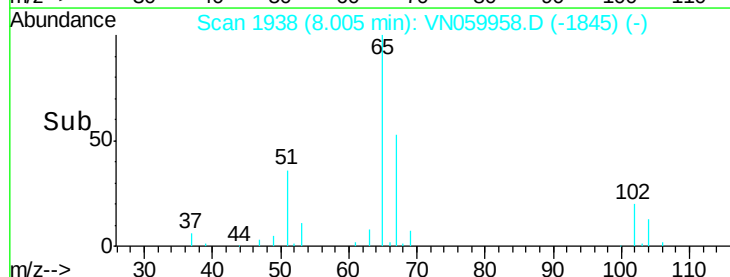
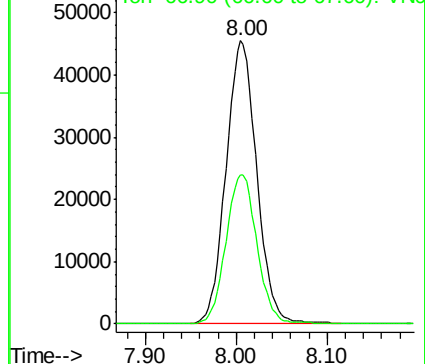
65 100

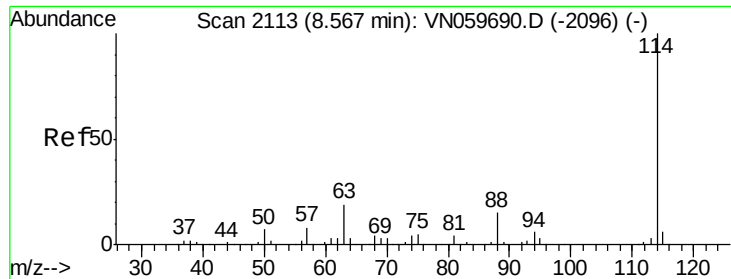
67 53.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

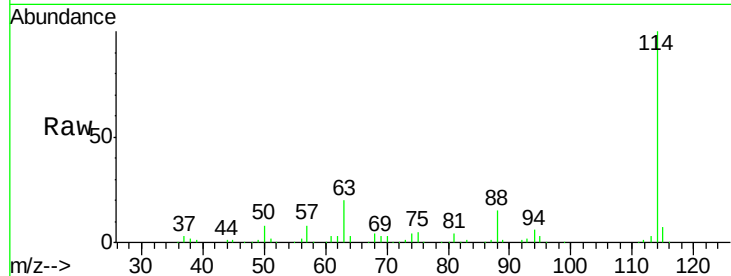




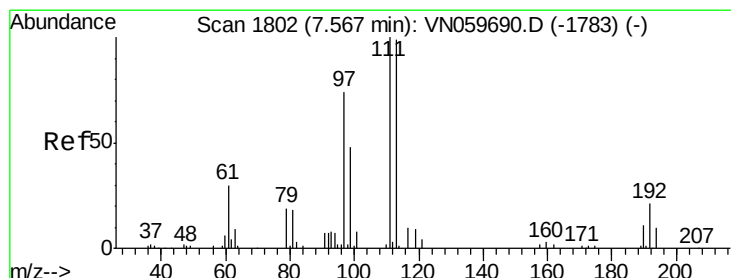
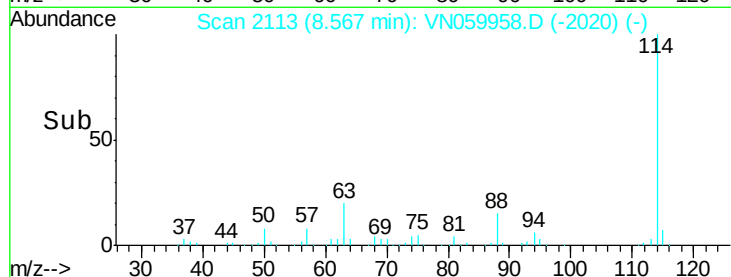
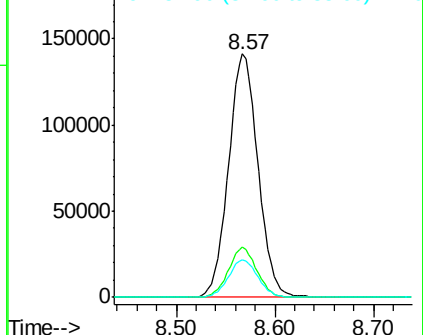
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.57 min Scan# 2113  
Delta R.T. 0.00 min  
Lab File: VN059958.D  
Acq: 31 Jan 2020 19:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
40098

Tot Ion:114 Resp: 294202  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 43.6  
88 15.3 0.0 31.4

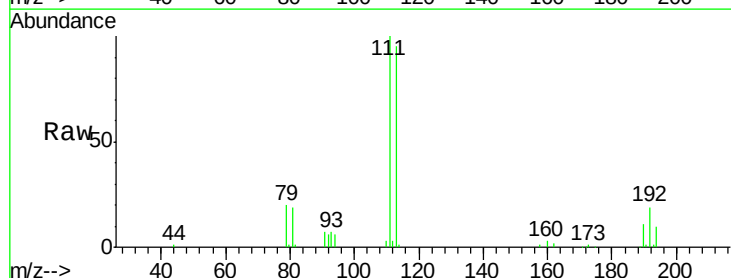


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

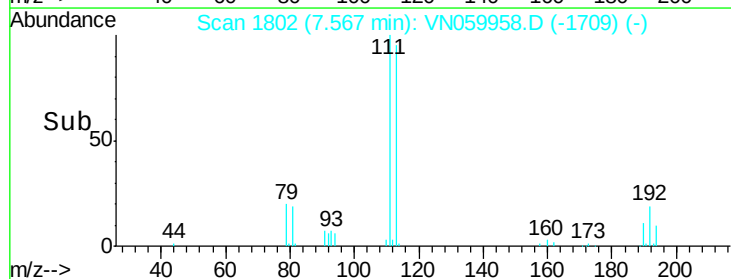
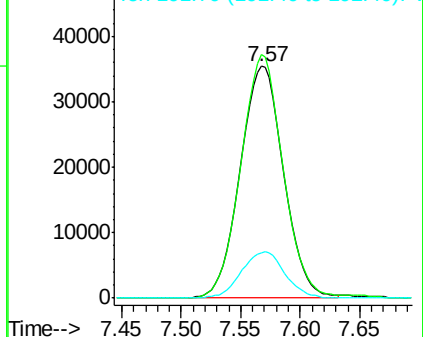


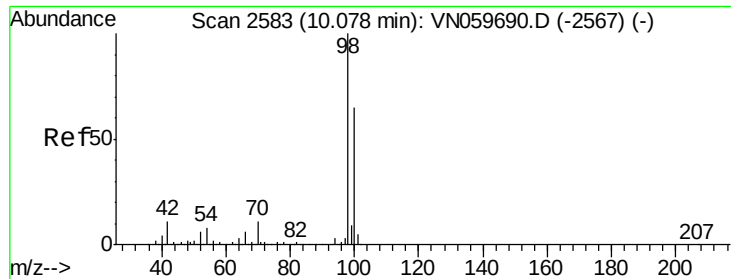
#35  
Dibromofluoromethane  
Concen: 51.105 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN059958.D  
Acq: 31 Jan 2020 19:06

Tgt Ion:113 Resp: 89662  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.5 125.3  
192 20.1 15.4 23.2



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: 51.896 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

Instrument :

MSVOA\_N

ClientSampled :

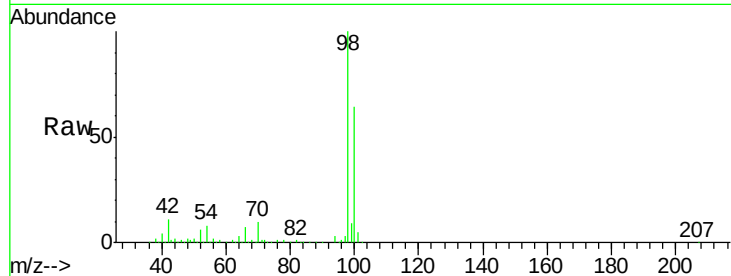
40098

Tot Ion: 98 Resp: 352771

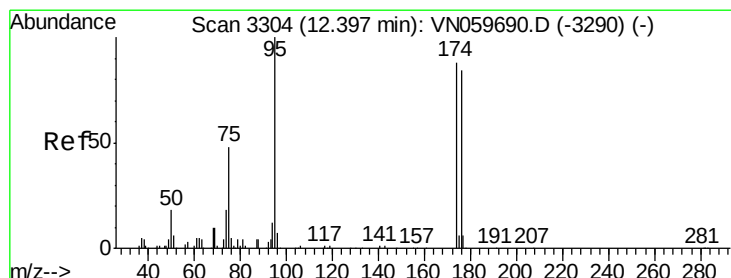
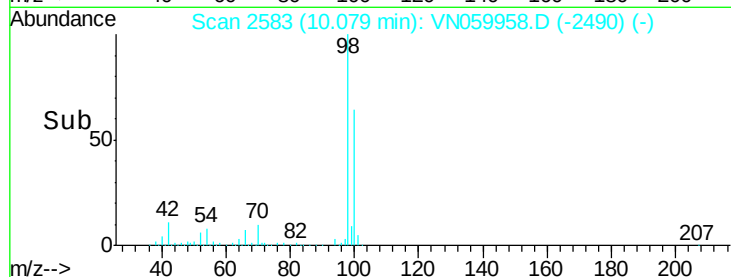
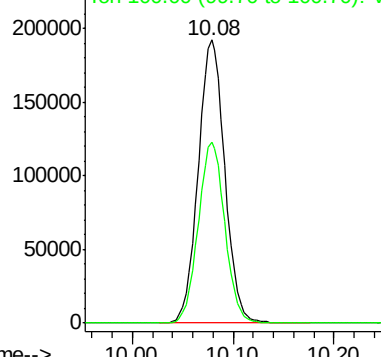
Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)



#62

4-Bromofluorobenzene

Concen: 50.044 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059958.D

Acq: 31 Jan 2020 19:06

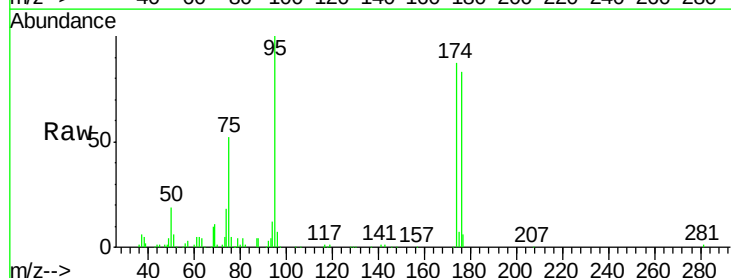
Tgt Ion: 95 Resp: 122636

Ion Ratio Lower Upper

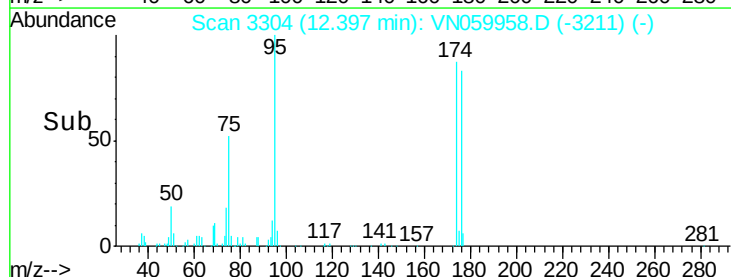
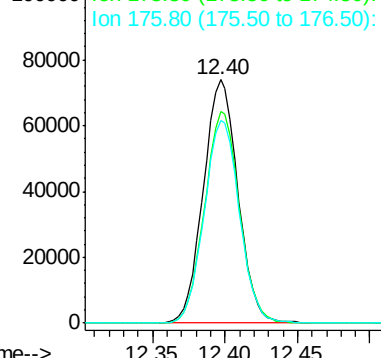
95 100

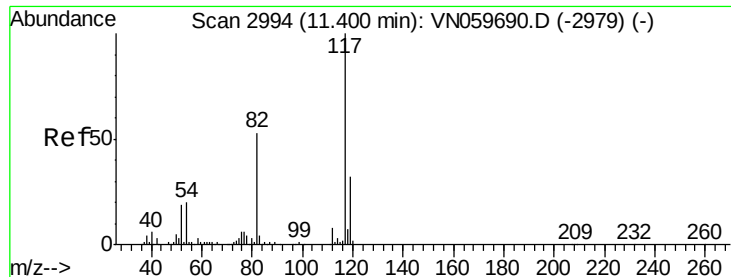
174 87.5 0.0 151.4

176 84.9 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)

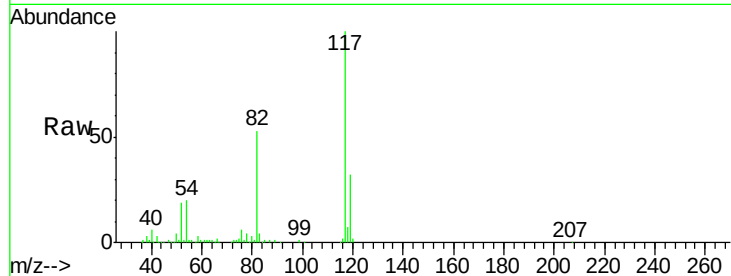




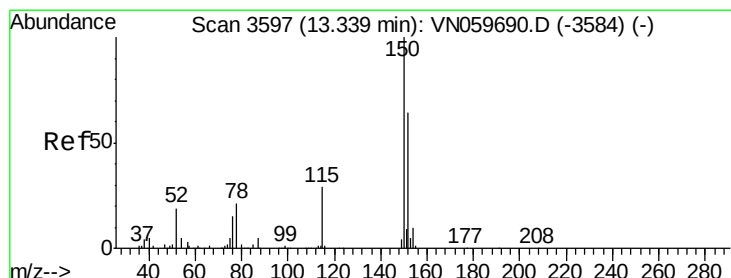
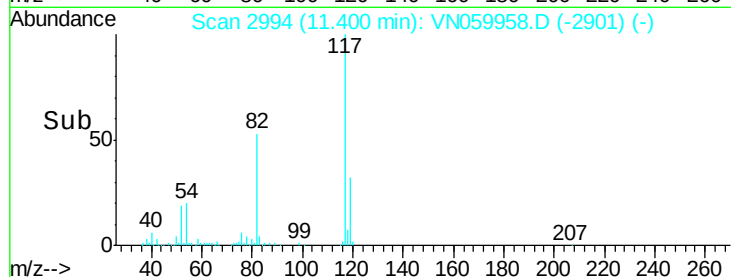
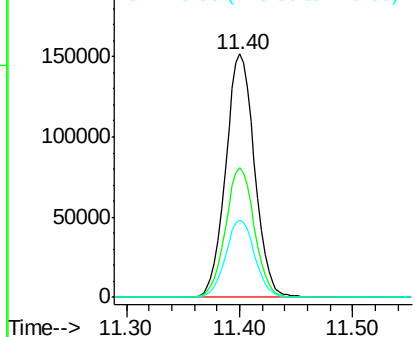
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059958.D  
Acq: 31 Jan 2020 19:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
40098

Tot Ion:117 Resp: 268622  
Ion Ratio Lower Upper  
117 100  
82 53.0 45.9 68.9  
119 31.6 25.5 38.3

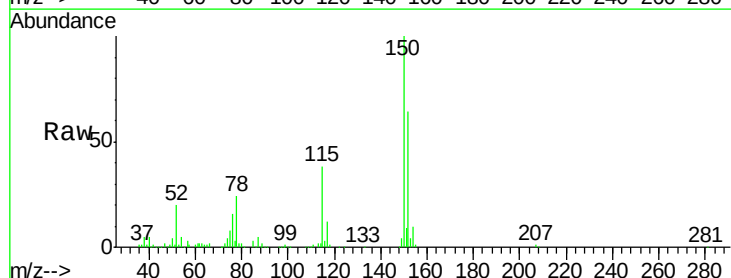


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN059958.D  
Acq: 31 Jan 2020 19:06

Tgt Ion:152 Resp: 122930  
Ion Ratio Lower Upper  
152 100  
115 57.5 30.3 90.9  
150 157.0 0.0 345.2



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

