

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\  
 Data File : VN061908.D  
 Acq On : 18 Jun 2020 18:27  
 Operator : JC/MD  
 Sample : L3026-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S49-0572

Quant Time: Jun 19 06:20:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 135275   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 250981   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 241954   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 90492    | 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   | 91391    | 50.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.74% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 81403    | 50.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.40% |          |
| 50) Toluene-d8              | 10.06 | 98   | 312468   | 49.50 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.00%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 101194   | 46.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.48%  |          |

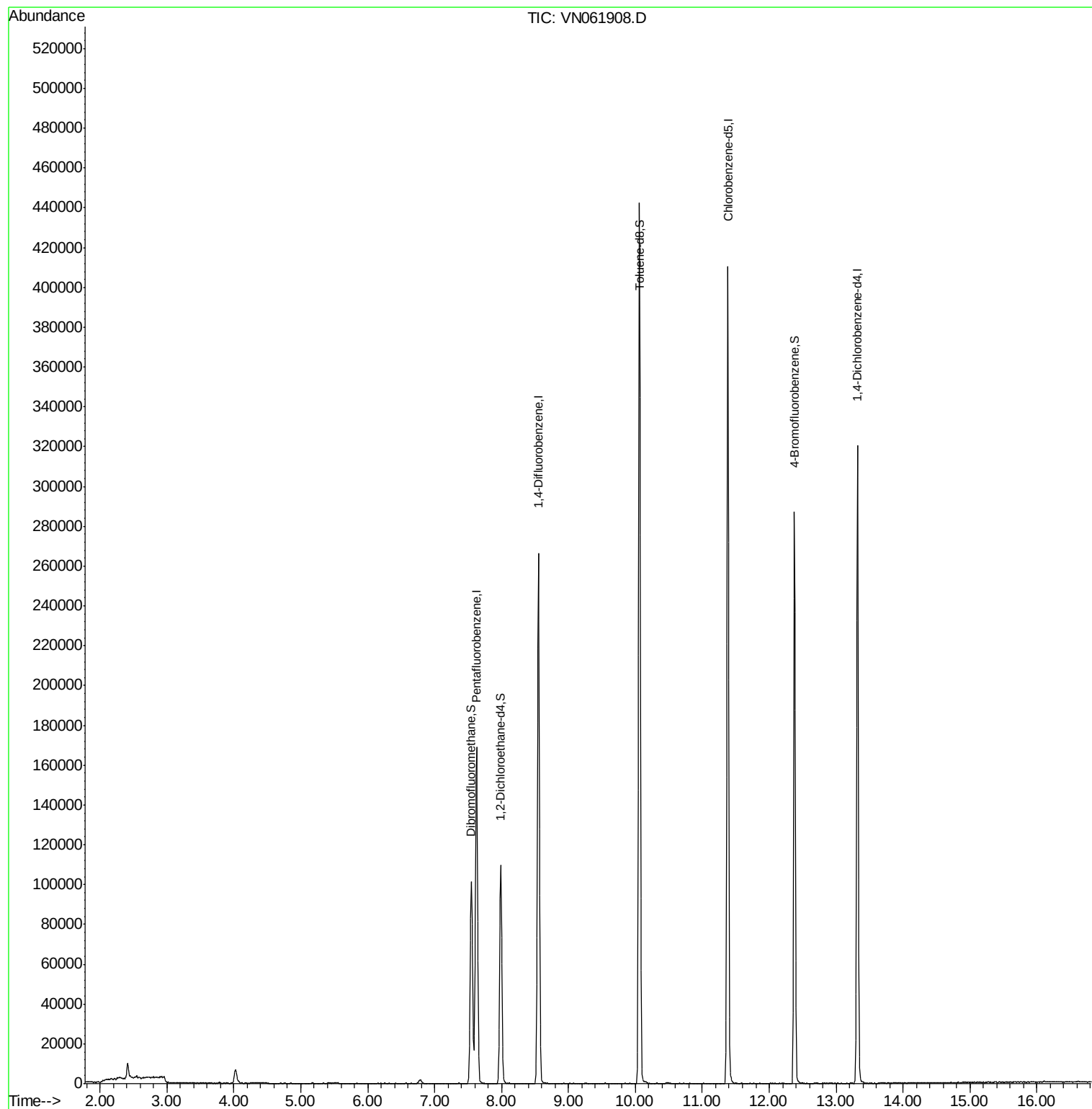
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

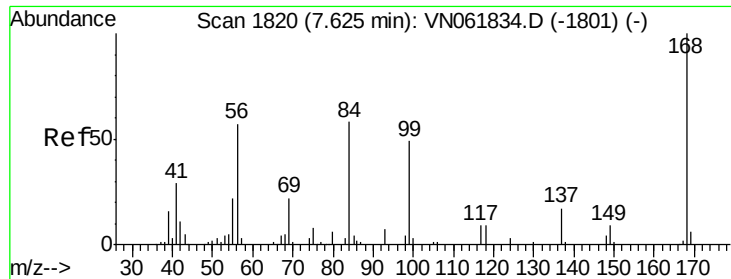
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Jun 17 01:19:44 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

Instrument :

MSVOA\_N

ClientSampleId :

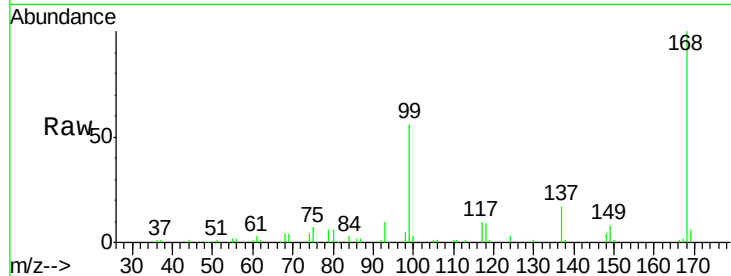
S49-0572

Tot Ion:168 Resp: 135275

Ion Ratio Lower Upper

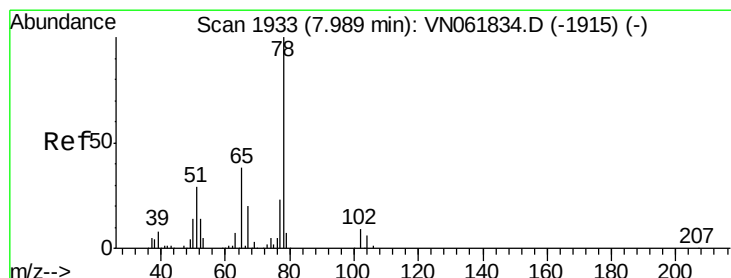
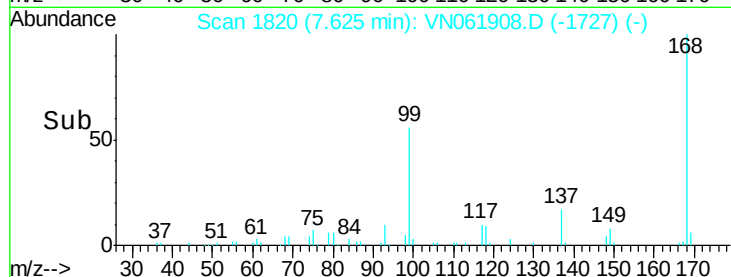
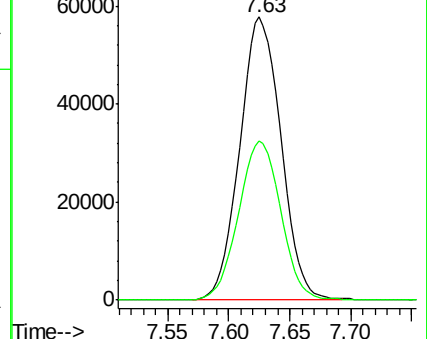
168 100

99 56.2 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.374 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061908.D

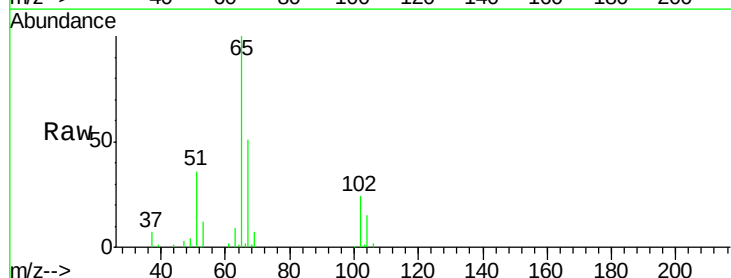
Acq: 18 Jun 2020 18:27

Tgt Ion: 65 Resp: 91391

Ion Ratio Lower Upper

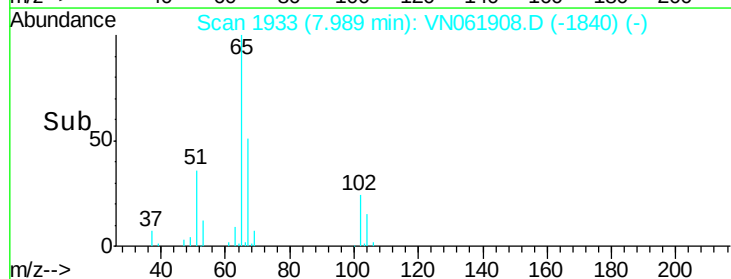
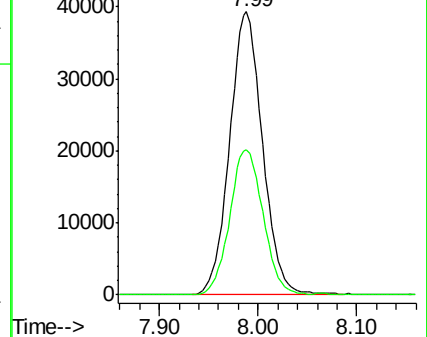
65 100

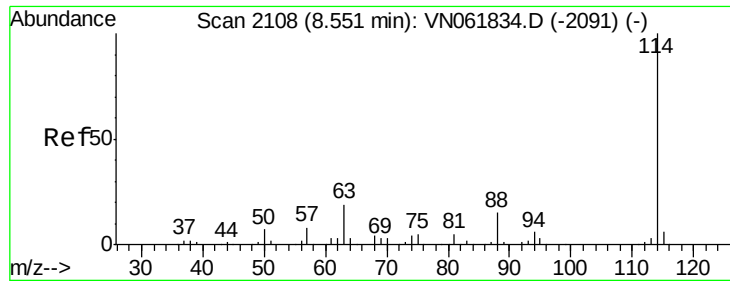
67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

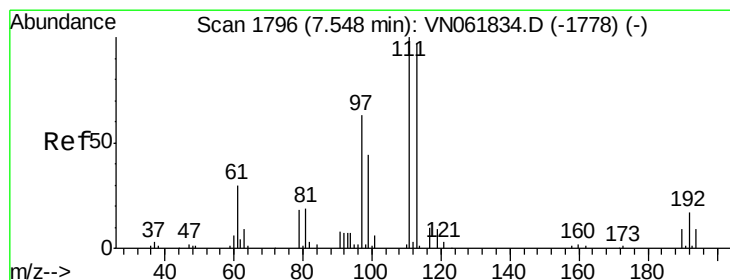
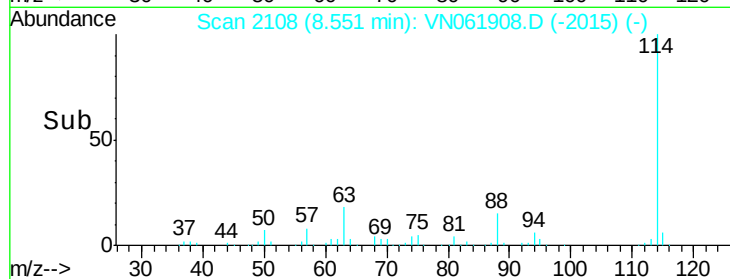
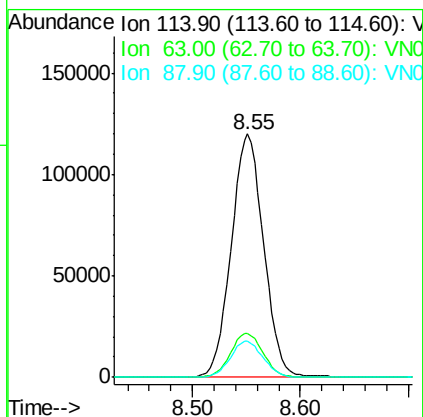
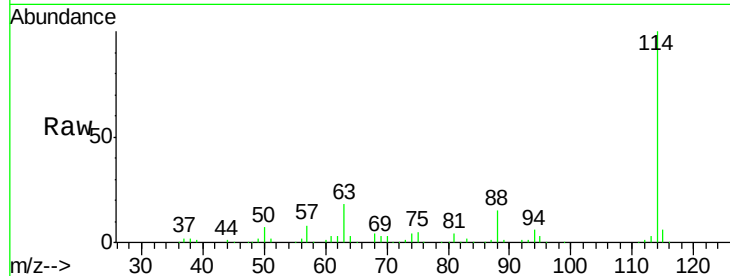




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN061908.D  
 Acq: 18 Jun 2020 18:27

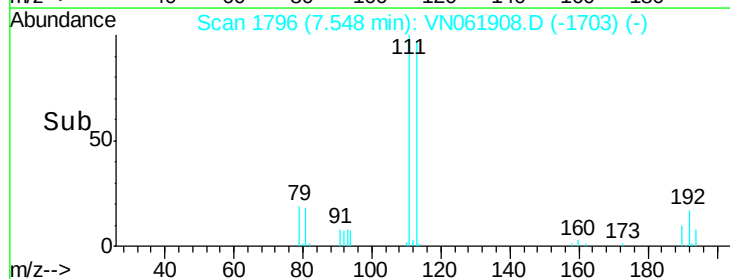
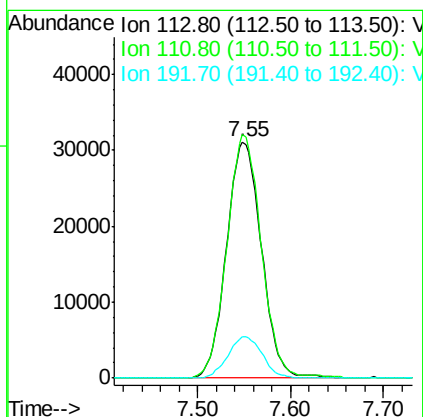
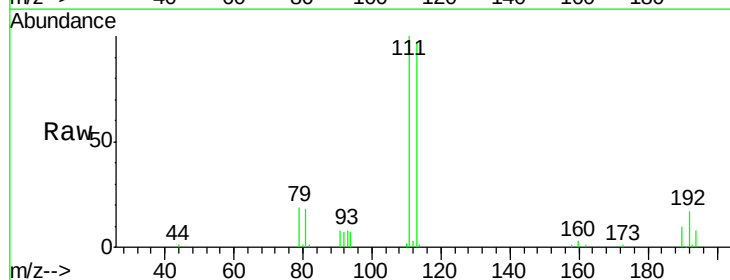
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S49-0572

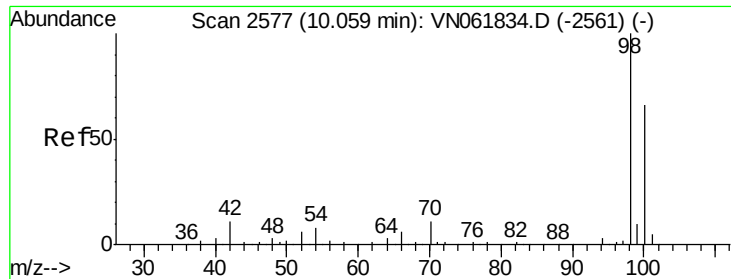
Tot Ion:114 Resp: 250981  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 37.6  
 88 14.7 0.0 31.0



#35  
 Dibromofluoromethane  
 Concen: 50.698 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. -0.00 min  
 Lab File: VN061908.D  
 Acq: 18 Jun 2020 18:27

Tgt Ion:113 Resp: 81403  
 Ion Ratio Lower Upper  
 113 100  
 111 101.2 83.7 125.5  
 192 17.1 13.9 20.9





#50

Toluene-d8

Concen: 49.500 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

Instrument :

MSVOA\_N

ClientSampleId :

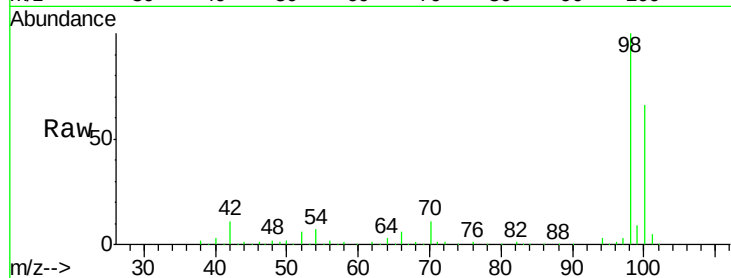
S49-0572

Tot Ion: 98 Resp: 312468

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

200000

150000

100000

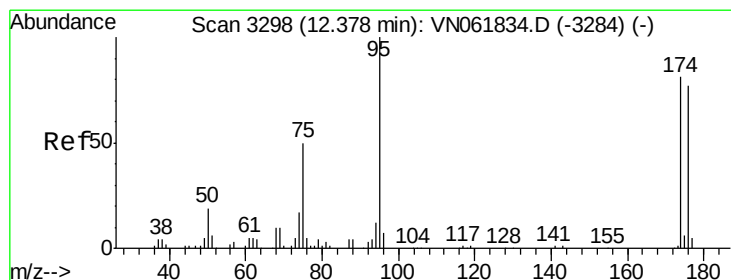
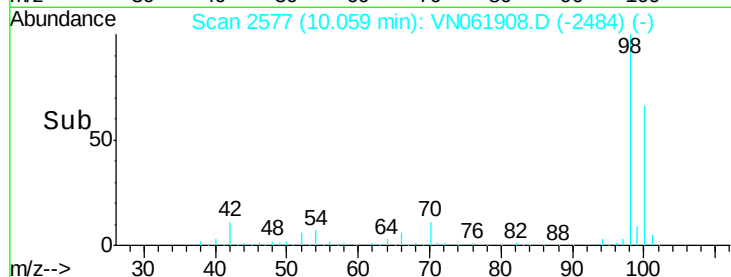
50000

0

10.06

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 46.735 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

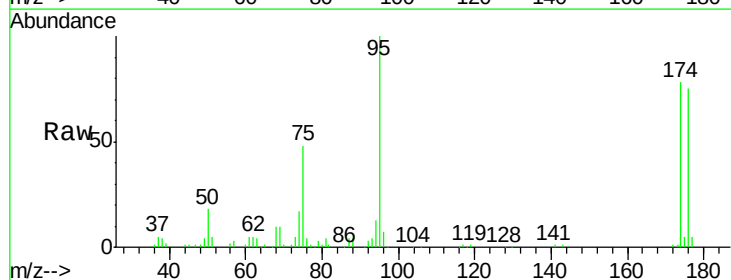
Tgt Ion: 95 Resp: 101194

Ion Ratio Lower Upper

95 100

174 78.5 0.0 158.6

176 75.3 0.0 152.0



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

80000

60000

40000

20000

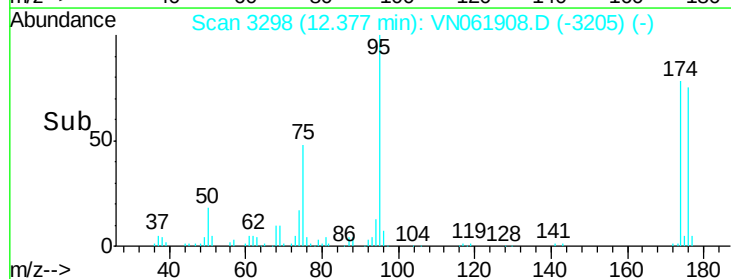
0

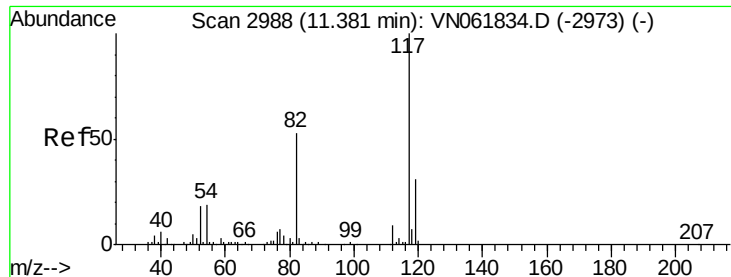
12.38

12.40

12.50

Time-->

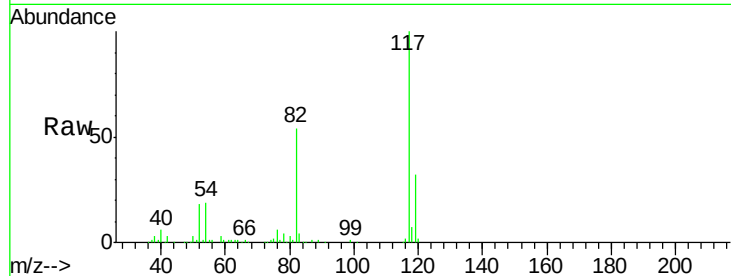




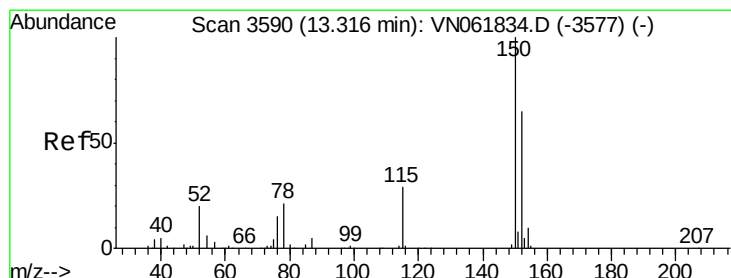
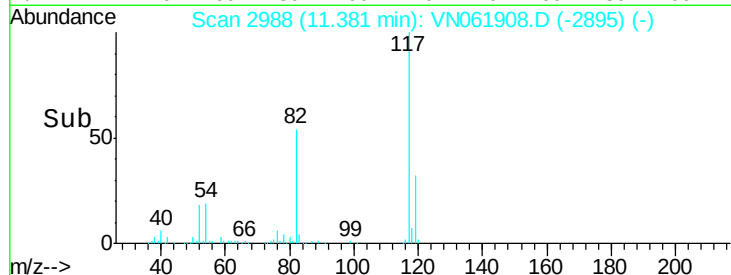
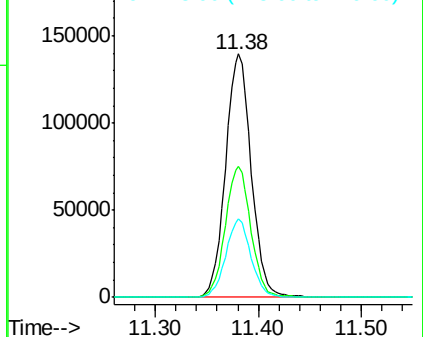
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN061908.D  
Acq: 18 Jun 2020 18:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
S49-0572

Tot Ion:117 Resp: 241954  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.6 64.0  
119 32.3 24.7 37.1

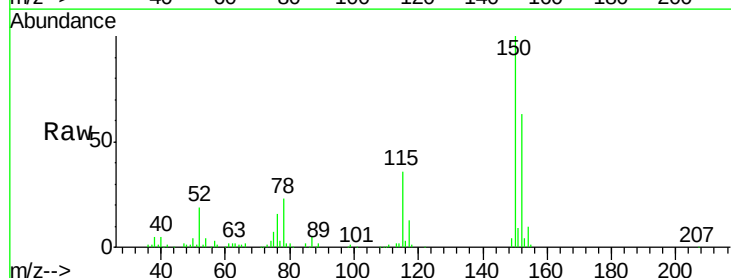


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN061908.D  
Acq: 18 Jun 2020 18:27

Tgt Ion:152 Resp: 90492  
Ion Ratio Lower Upper  
152 100  
115 57.5 29.1 87.3  
150 156.9 0.0 347.6



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

