

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\  
 Data File : VN061204.D  
 Acq On : 30 Apr 2020 16:19  
 Operator : JC/MD  
 Sample : L2458-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S73-TB-2020-2

Quant Time: May 01 03:47:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 29 08:14:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 110796   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 196843   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 189672   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 83499    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 86097    | 49.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.22%  |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 59010    | 50.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.40% |      |
| 50) Toluene-d8              | 10.06  | 98  | 246969   | 52.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.10% |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 91060    | 51.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.00% |      |

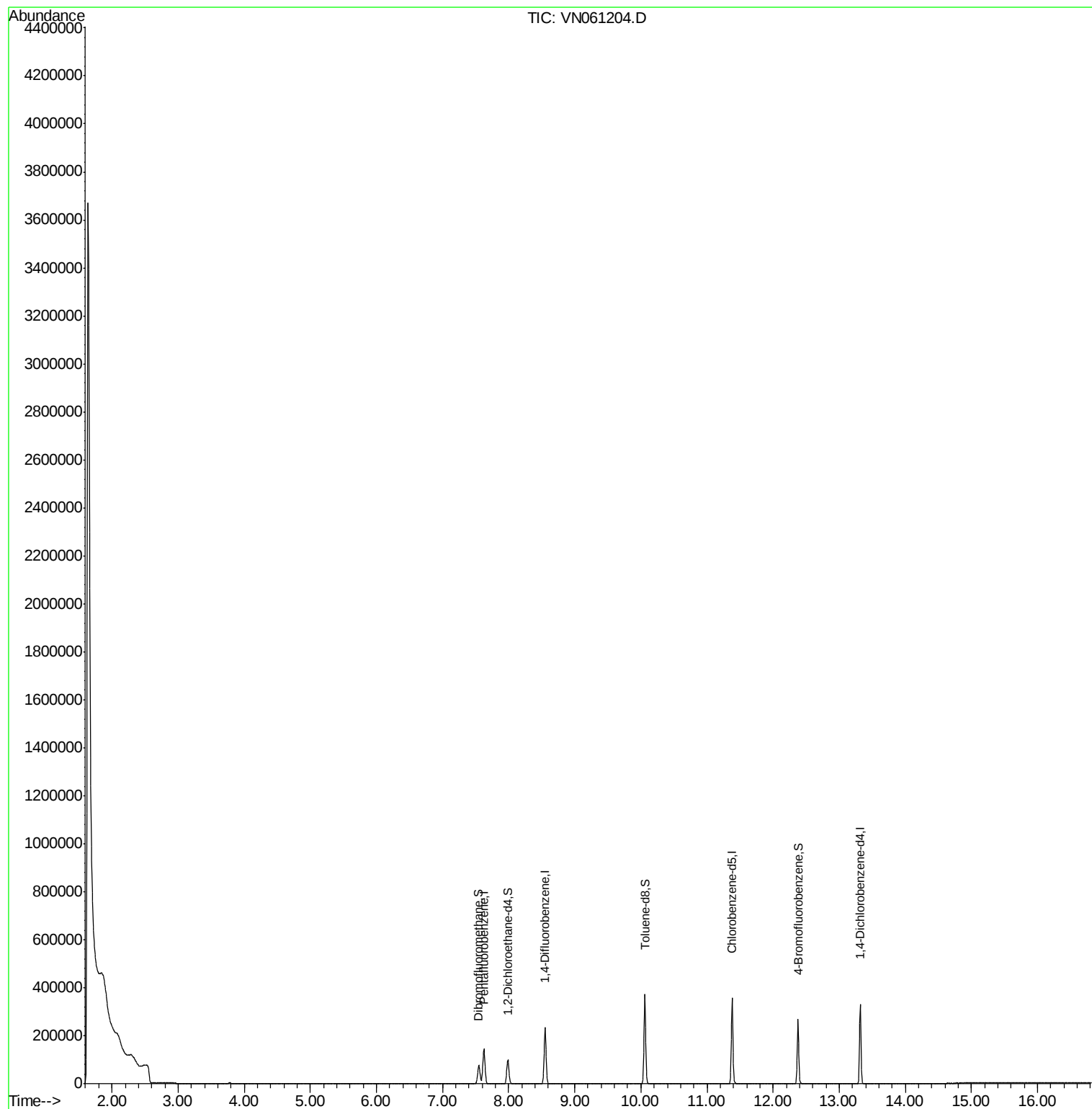
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

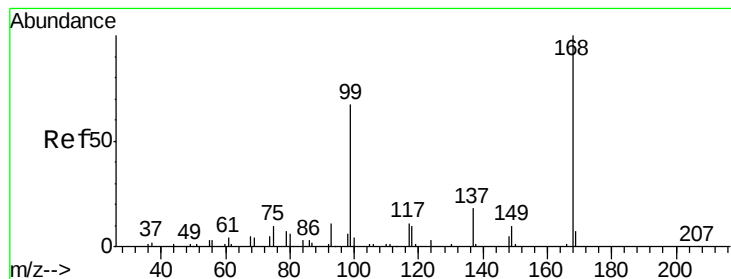
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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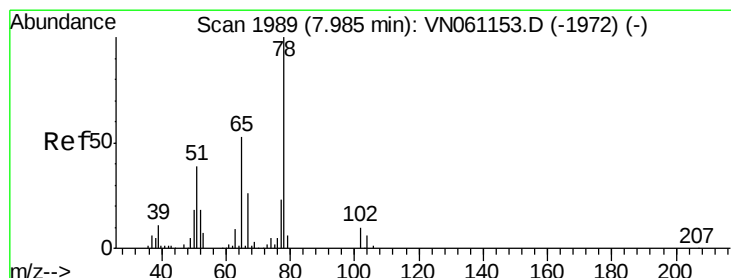
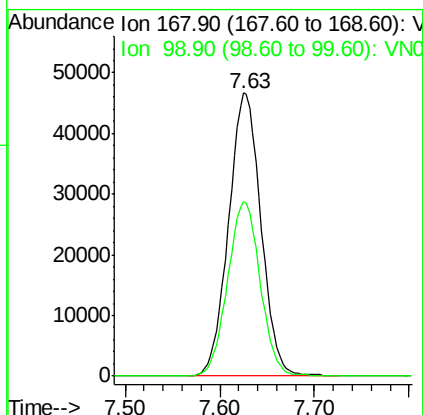
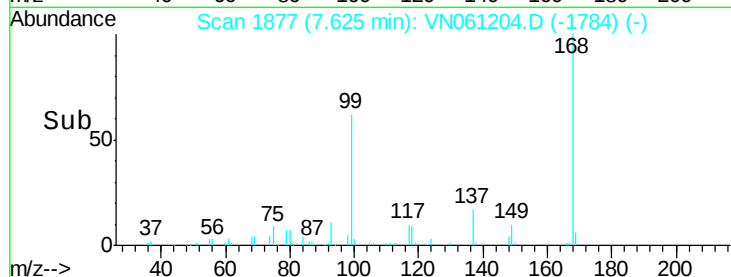
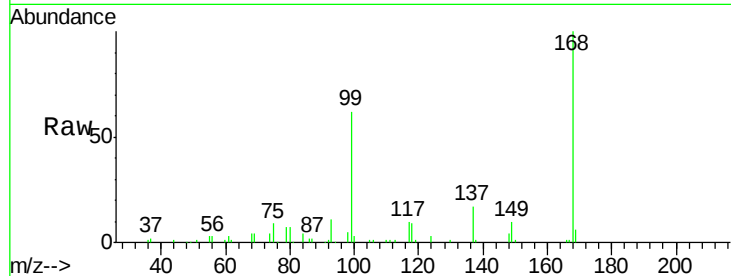




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.63 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VN061204.D  
Acq: 30 Apr 2020 16:19

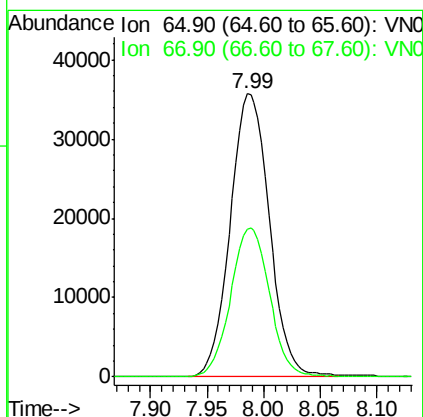
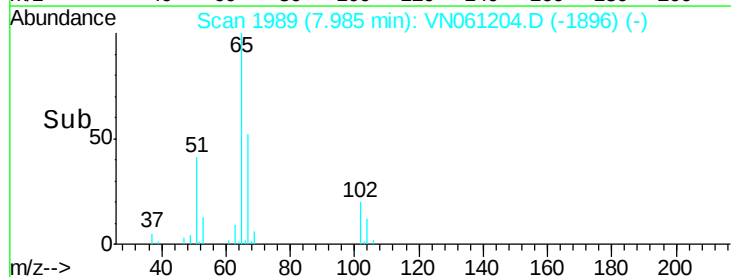
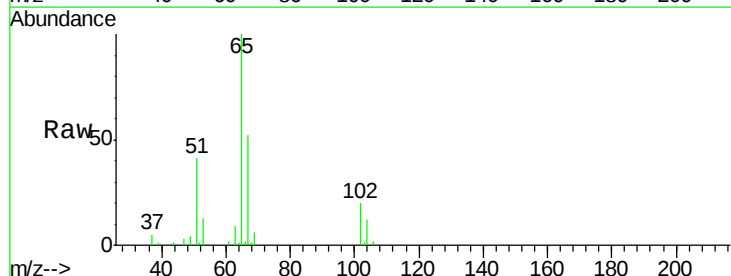
Instrument :  
MSVOA\_N  
ClientSampleId :  
S73-TB-2020-2

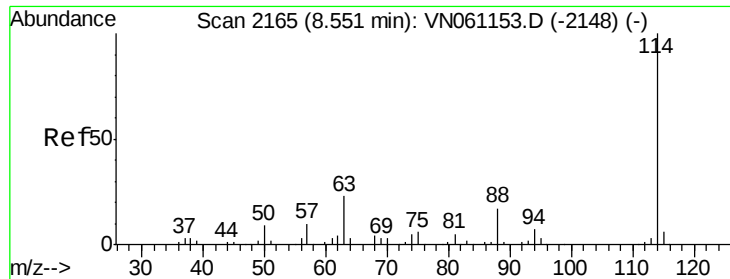
Tot Ion:168 Resp: 110796  
Ion Ratio Lower Upper  
168 100  
99 61.9 51.2 76.8



#33  
1,2-Dichloroethane-d4  
Concen: 49.110 ug/l  
RT: 7.99 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VN061204.D  
Acq: 30 Apr 2020 16:19

Tgt Ion: 65 Resp: 86097  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.6

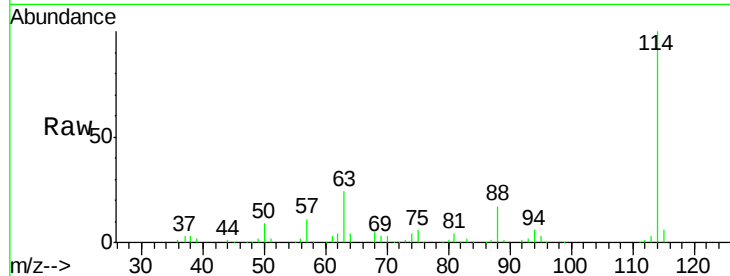




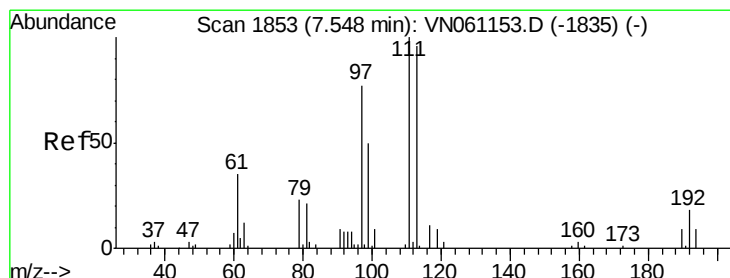
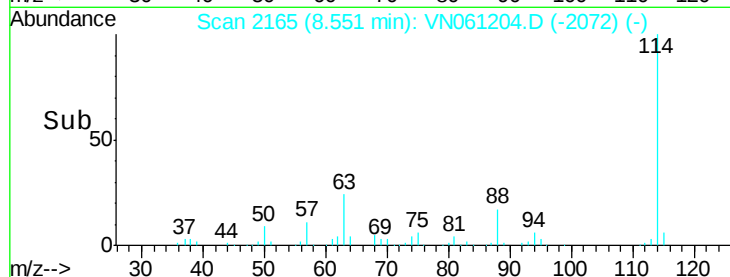
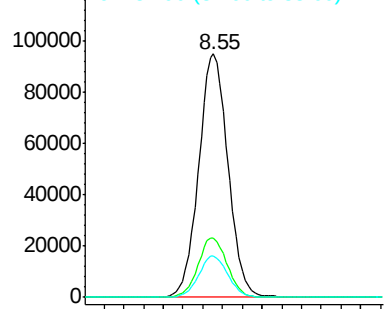
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.55 min Scan# 2165  
Delta R.T. 0.00 min  
Lab File: VN061204.D  
Acq: 30 Apr 2020 16:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
S73-TB-2020-2

Tot Ion:114 Resp: 196843  
Ion Ratio Lower Upper  
114 100  
63 24.1 0.0 46.6  
88 16.9 0.0 33.4

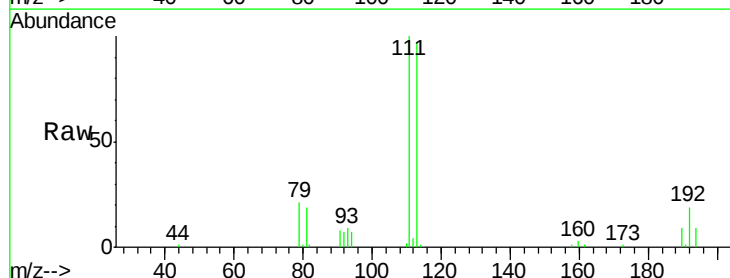


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

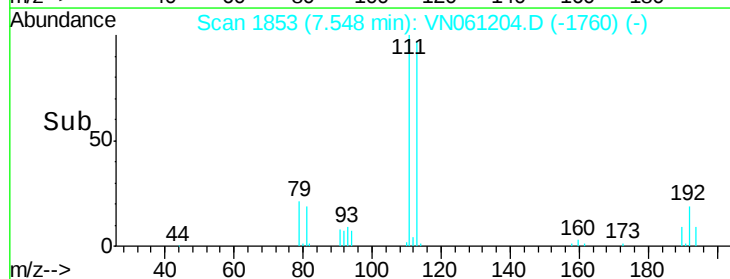
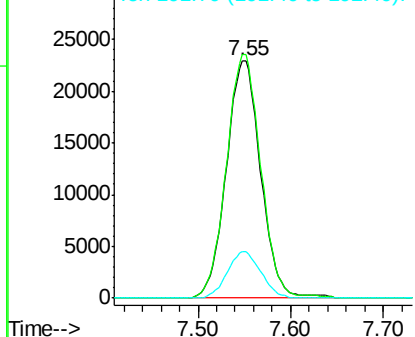


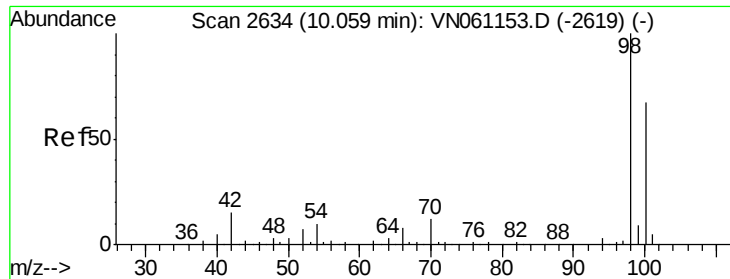
#35  
Dibromofluoromethane  
Concen: 50.697 ug/l  
RT: 7.55 min Scan# 1853  
Delta R.T. 0.00 min  
Lab File: VN061204.D  
Acq: 30 Apr 2020 16:19

Tgt Ion:113 Resp: 59010  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.9 124.3  
192 19.1 14.7 22.1



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: 52.048 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061204.D

Acq: 30 Apr 2020 16:19

Instrument :

MSVOA\_N

ClientSampleId :

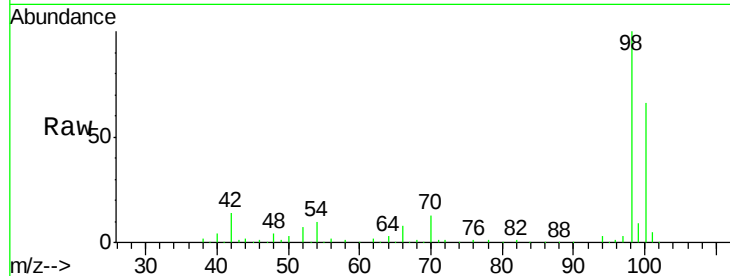
S73-TB-2020-2

Tot Ion: 98 Resp: 246969

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061204.D (-2541) (-)

10.06

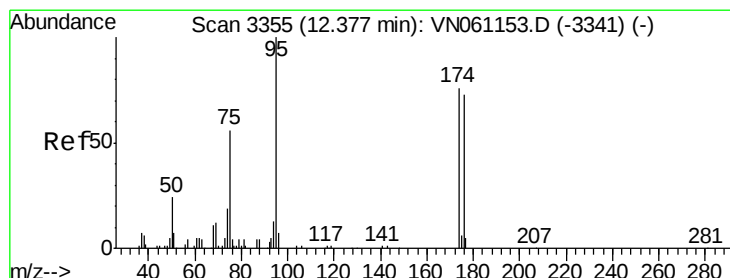
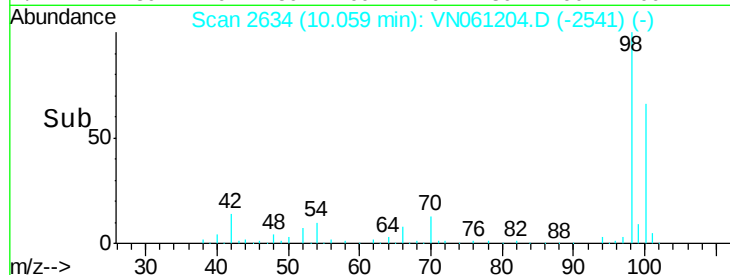
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.996 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061204.D

Acq: 30 Apr 2020 16:19

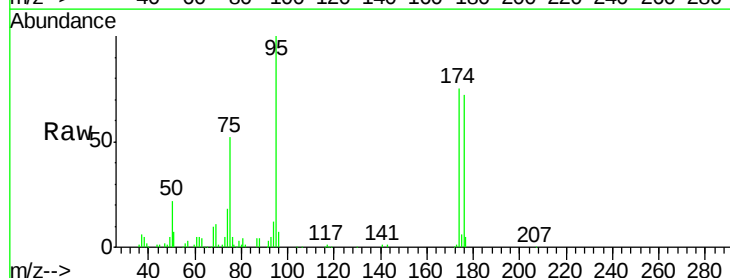
Tgt Ion: 95 Resp: 91060

Ion Ratio Lower Upper

95 100

174 74.2 0.0 149.4

176 71.1 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061204.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061204.D (-3262) (-)

12.38

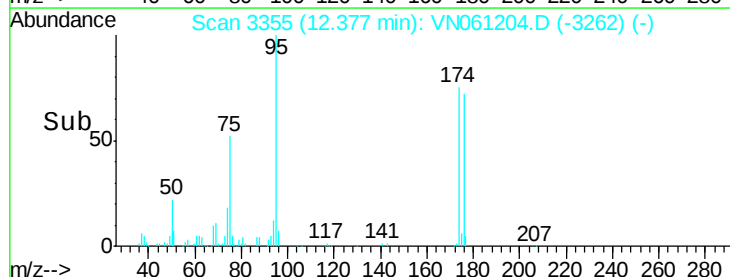
60000

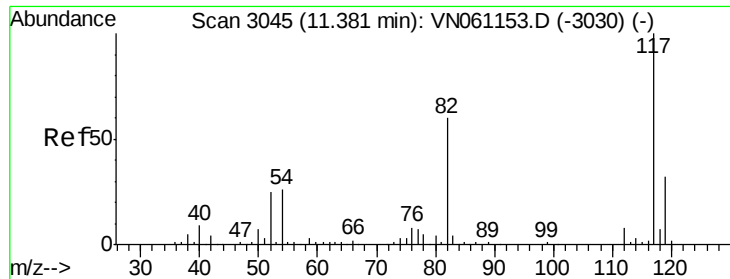
40000

20000

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Time-->

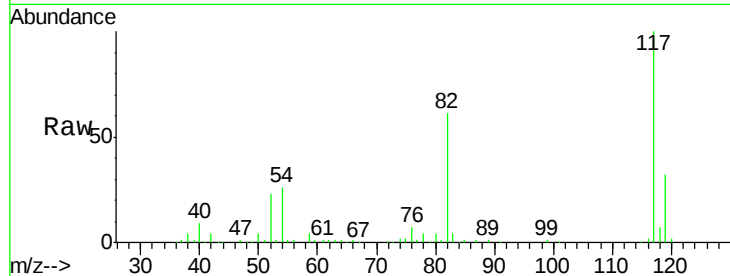




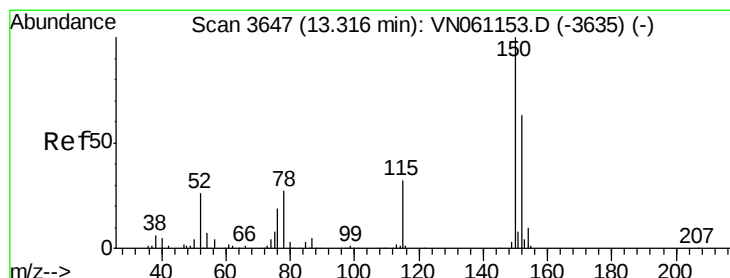
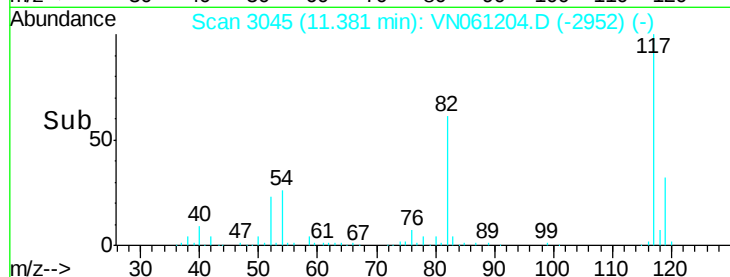
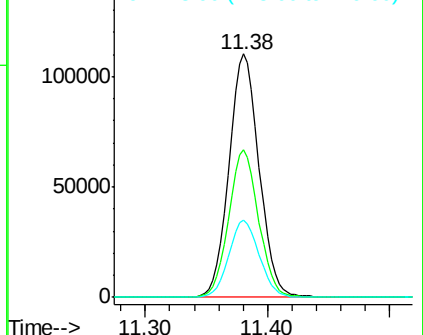
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 3045  
Delta R.T. 0.00 min  
Lab File: VN061204.D  
Acq: 30 Apr 2020 16:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
S73-TB-2020-2

Tot Ion:117 Resp: 189672  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.8 71.8  
119 31.6 25.8 38.6

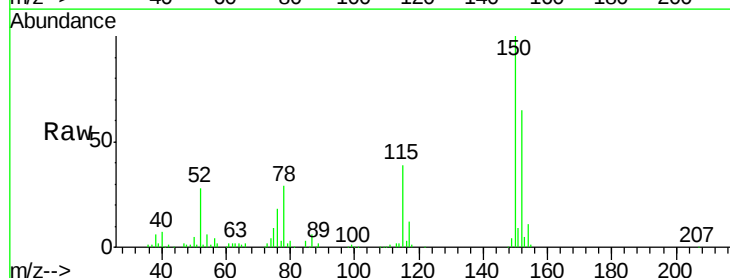


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3648  
Delta R.T. 0.00 min  
Lab File: VN061204.D  
Acq: 30 Apr 2020 16:19

Tgt Ion:152 Resp: 83499  
Ion Ratio Lower Upper  
152 100  
115 61.5 31.0 93.0  
150 156.2 0.0 351.8



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

