

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\  
 Data File : VN061312.D  
 Acq On : 6 May 2020 16:13  
 Operator : JC/MD  
 Sample : PB128690TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128690TB

Quant Time: May 07 09:07:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 07:01:08 2020  
 Response via : Initial Calibration

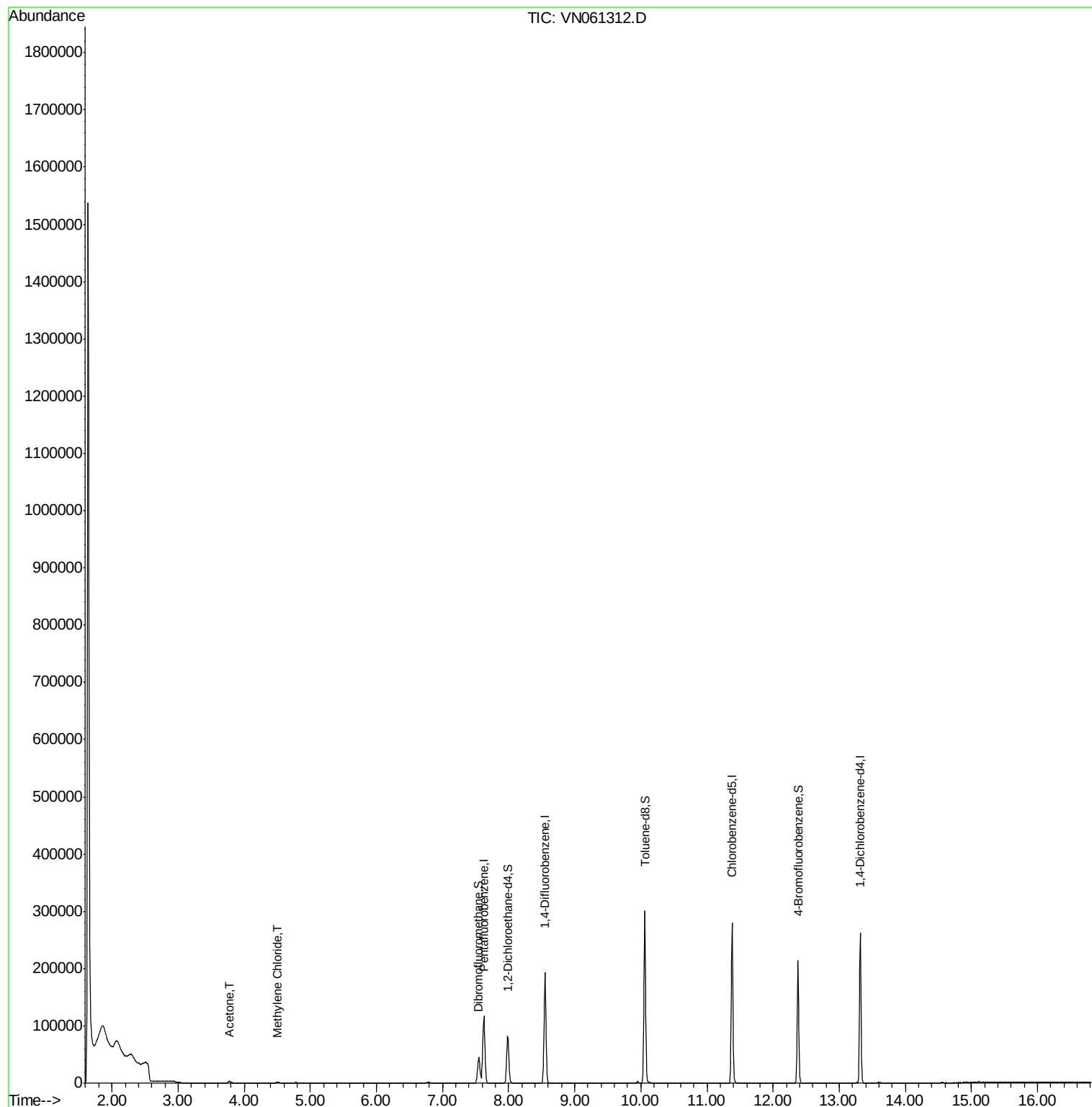
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 89527    | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 156953   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 148738   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 64388    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 71723    | 50.63 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.26% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 34050    | 36.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 73.38%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 193656   | 51.19 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.38% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 71306    | 50.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.16% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.78  | 43   | 6438     | 6.367 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.50  | 84   | 1135     | 1.028 | ug/l    | 94       |

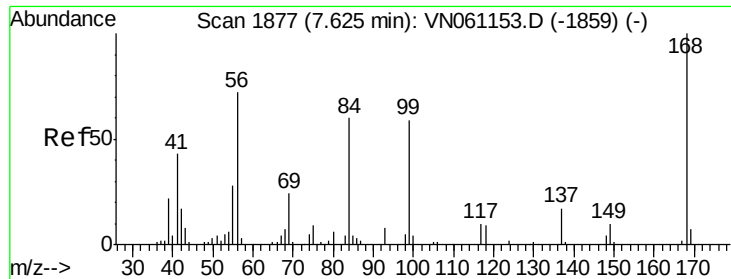
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 05 07:01:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061312.D

Acq: 6 May 2020 16:13

Instrument :

MSVOA\_N

ClientSampleId :

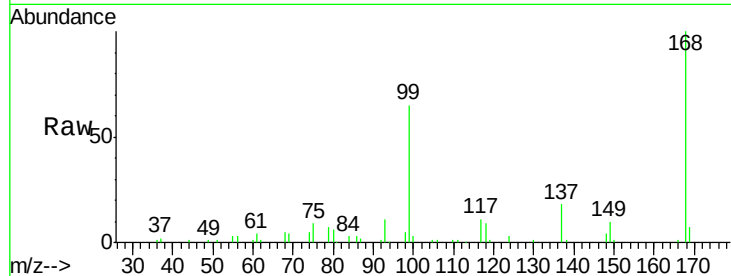
PB128690TB

Tot Ion:168 Resp: 89527

Ion Ratio Lower Upper

168 100

99 64.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

40000

30000

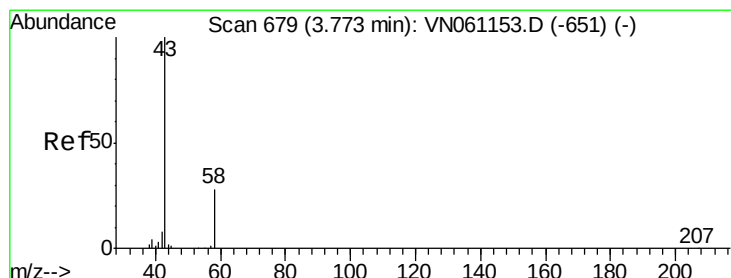
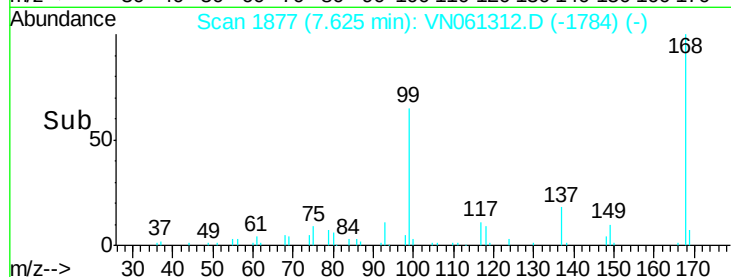
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 6.367 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061312.D

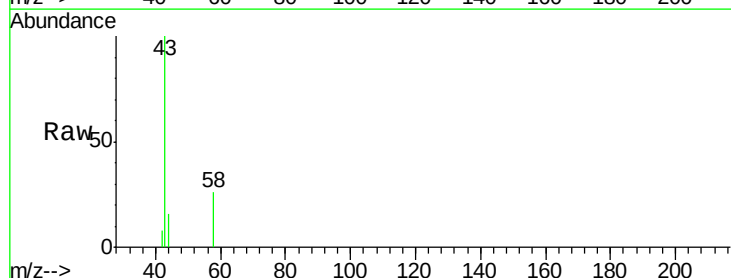
Acq: 6 May 2020 16:13

Tgt Ion: 43 Resp: 6438

Ion Ratio Lower Upper

43 100

58 26.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

2500

2000

1500

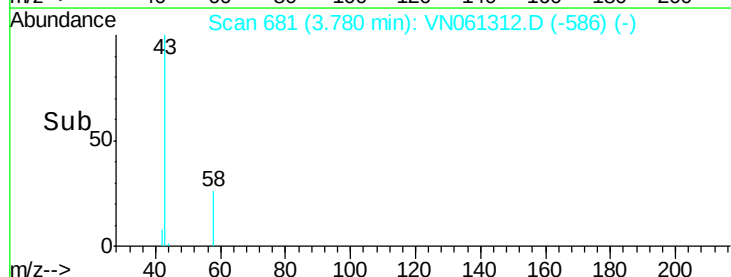
1000

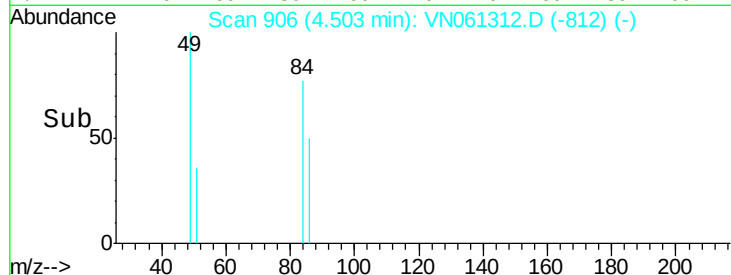
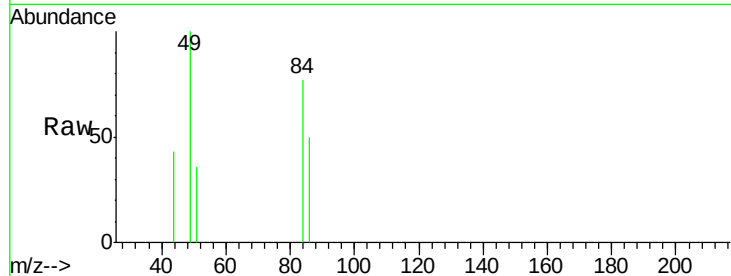
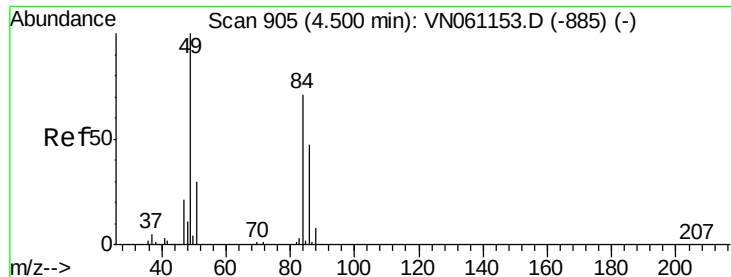
500

0

3.70 3.75 3.80 3.85

Time-->

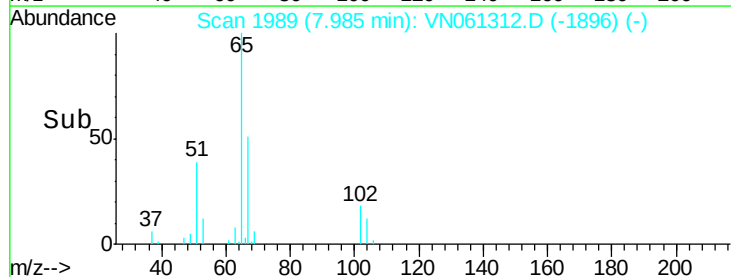
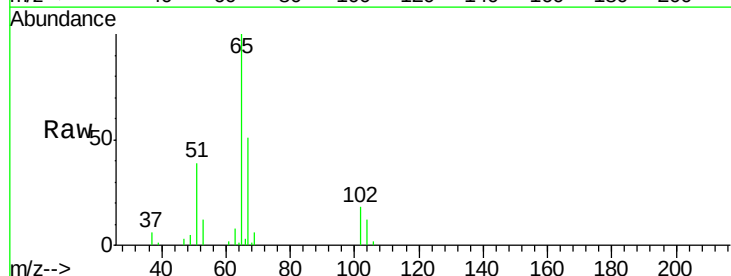
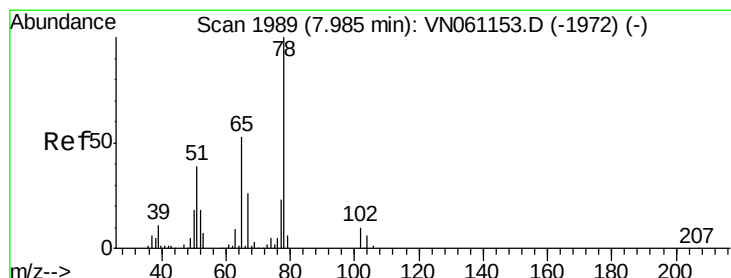
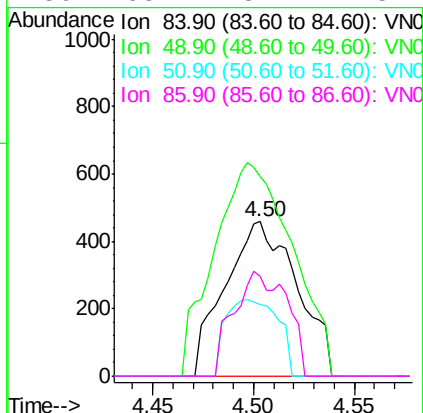




#20  
Methylene Chloride  
Concen: 1.028 ug/l  
RT: 4.50 min Scan# 906  
Delta R.T. 0.00 min  
Lab File: VN061312.D  
Acq: 6 May 2020 16:13

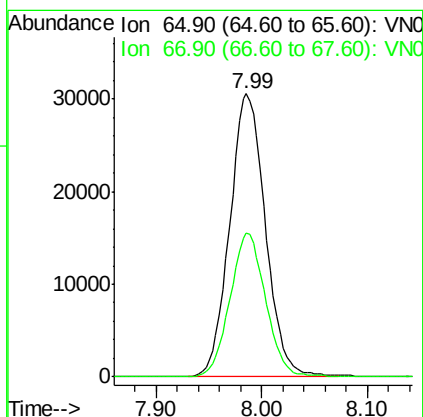
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB128690TB

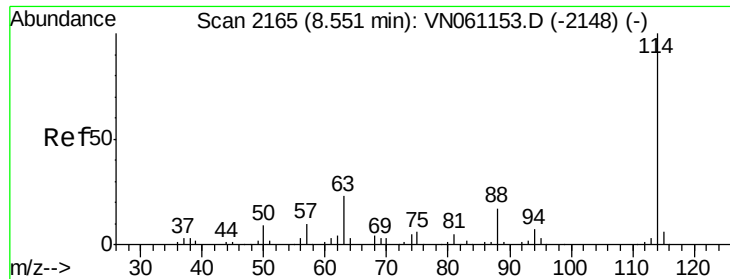
Tot Ion: 84 Resp: 1135  
Ion Ratio Lower Upper  
84 100  
49 129.7 112.0 168.0  
51 46.5 33.6 50.4  
86 65.1 52.1 78.1



#33  
1,2-Dichloroethane-d4  
Concen: 50.631 ug/l  
RT: 7.99 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VN061312.D  
Acq: 6 May 2020 16:13

Tgt Ion: 65 Resp: 71723  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 101.6

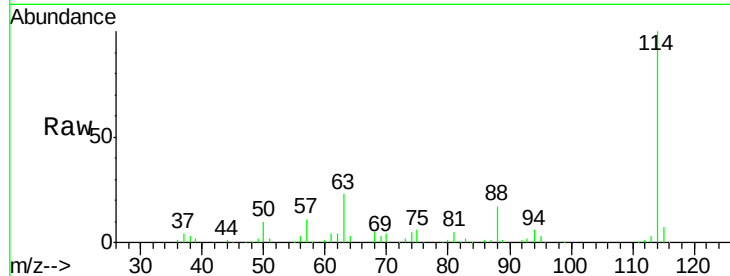




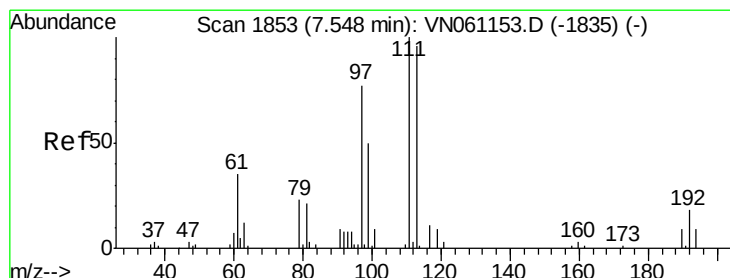
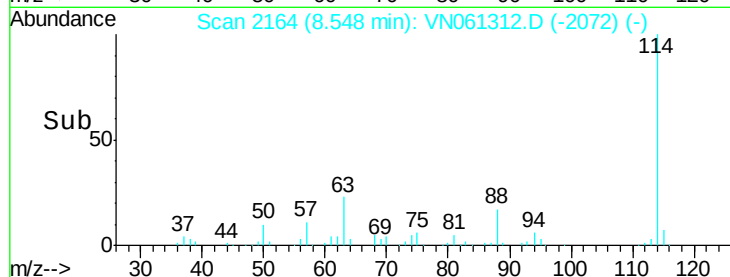
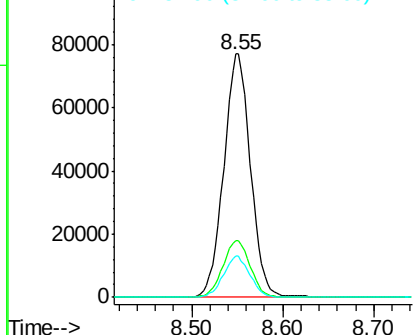
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2164  
 Delta R.T. -0.00 min  
 Lab File: VN061312.D  
 Acq: 6 May 2020 16:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128690TB

Tot Ion:114 Resp: 156953  
 Ion Ratio Lower Upper  
 114 100  
 63 23.4 0.0 46.6  
 88 17.1 0.0 33.4

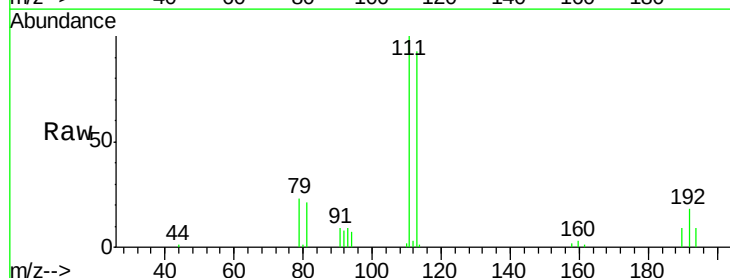


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

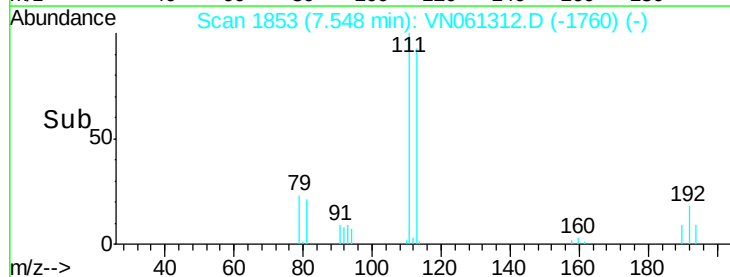
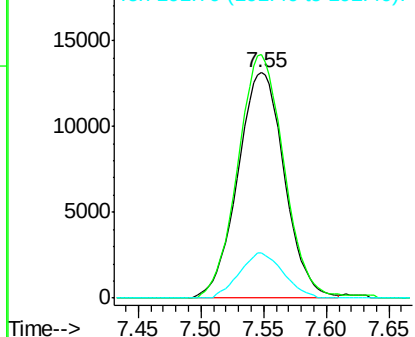


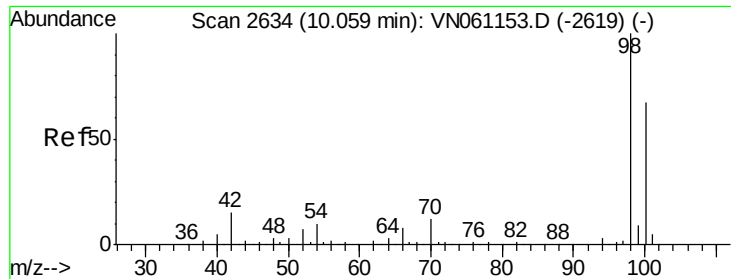
#35  
 Dibromofluoromethane  
 Concen: 36.688 ug/l  
 RT: 7.55 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VN061312.D  
 Acq: 6 May 2020 16:13

Tgt Ion:113 Resp: 34050  
 Ion Ratio Lower Upper  
 113 100  
 111 106.6 82.9 124.3  
 192 18.8 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: 51.185 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061312.D

Acq: 6 May 2020 16:13

Instrument :

MSVOA\_N

ClientSampleId :

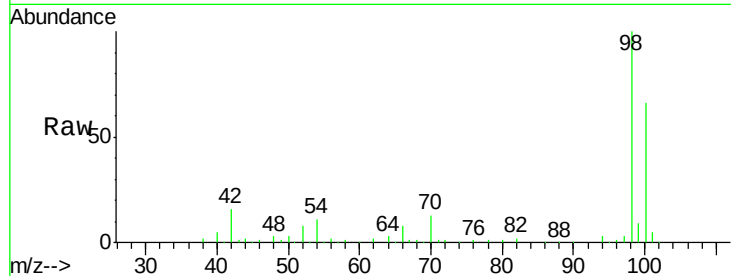
PB128690TB

Tot Ion: 98 Resp: 193656

Ion Ratio Lower Upper

98 100

100 65.8 53.4 80.0



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

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

10.06

120000

100000

80000

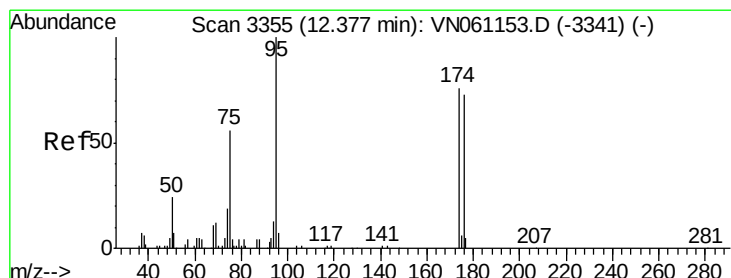
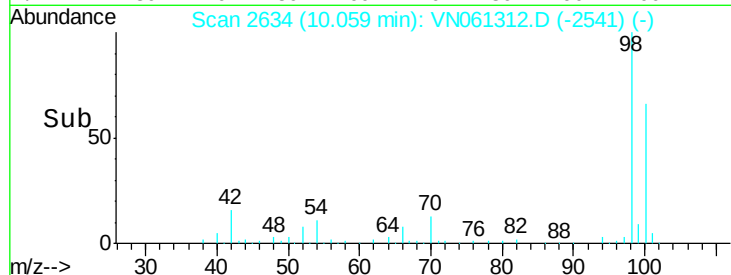
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.083 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061312.D

Acq: 6 May 2020 16:13

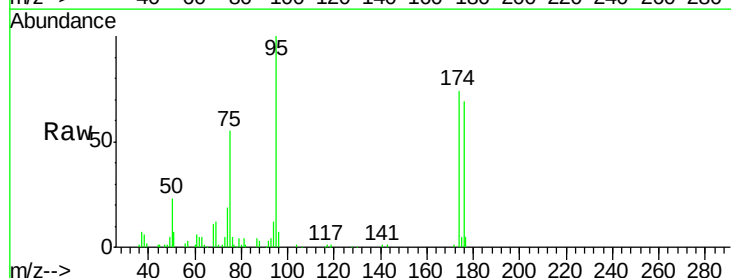
Tgt Ion: 95 Resp: 71306

Ion Ratio Lower Upper

95 100

174 74.4 0.0 149.4

176 70.5 0.0 144.8



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

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)

12.38

60000

50000

40000

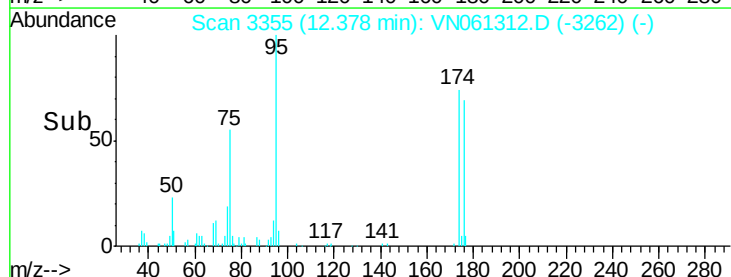
30000

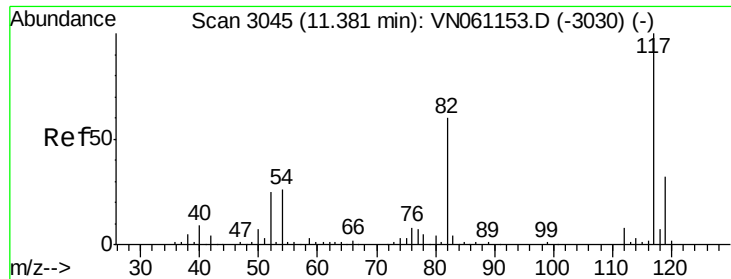
20000

10000

0

Time-->

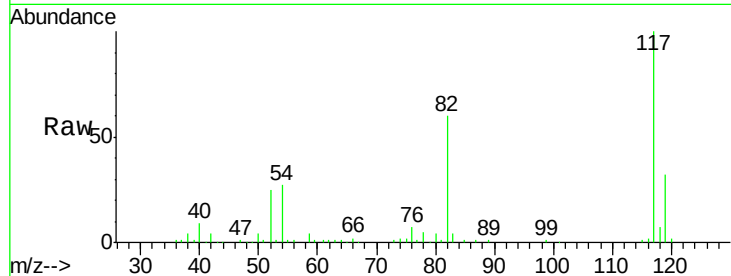




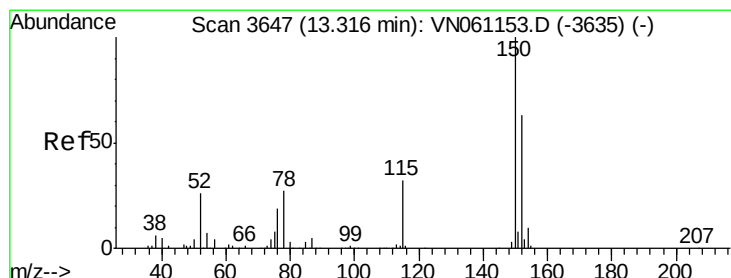
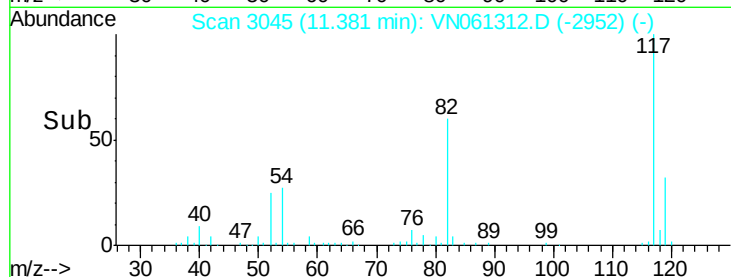
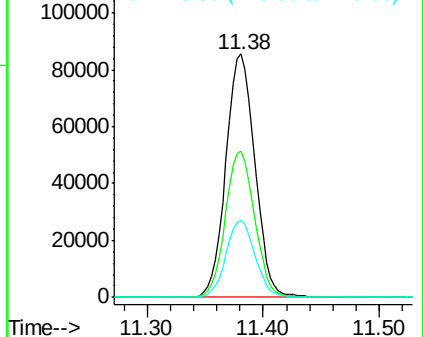
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 3045  
Delta R.T. 0.00 min  
Lab File: VN061312.D  
Acq: 6 May 2020 16:13

Instrument :  
MSVOA\_N  
ClientSampled :  
PB128690TB

Tot Ion:117 Resp: 148738  
Ion Ratio Lower Upper  
117 100  
82 59.9 47.8 71.8  
119 31.6 25.8 38.6

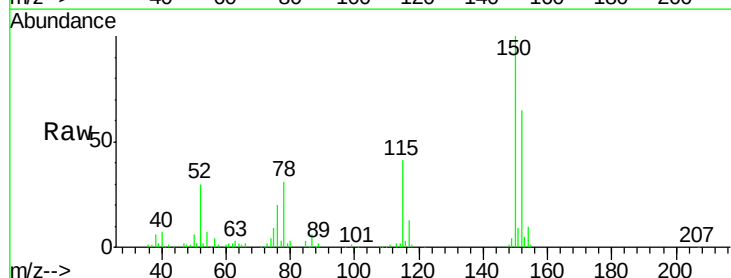


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3648  
Delta R.T. 0.00 min  
Lab File: VN061312.D  
Acq: 6 May 2020 16:13

Tgt Ion:152 Resp: 64388  
Ion Ratio Lower Upper  
152 100  
115 63.7 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

