

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062420\  
 Data File : VW015681.D  
 Acq On : 24 Jun 2020 14:28  
 Operator : SY/VA  
 Sample : L3082-04  
 Misc : 5.24G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-4

Quant Time: Jun 25 03:01:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062320S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 23 13:20:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 157275   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 286335   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 268108   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 121041   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 108936   | 62.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 124.50% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 91853    | 51.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.00% |      |
| 50) Toluene-d8              | 10.32  | 98  | 353057   | 49.81 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.62%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 120287   | 46.08 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.16%  |      |

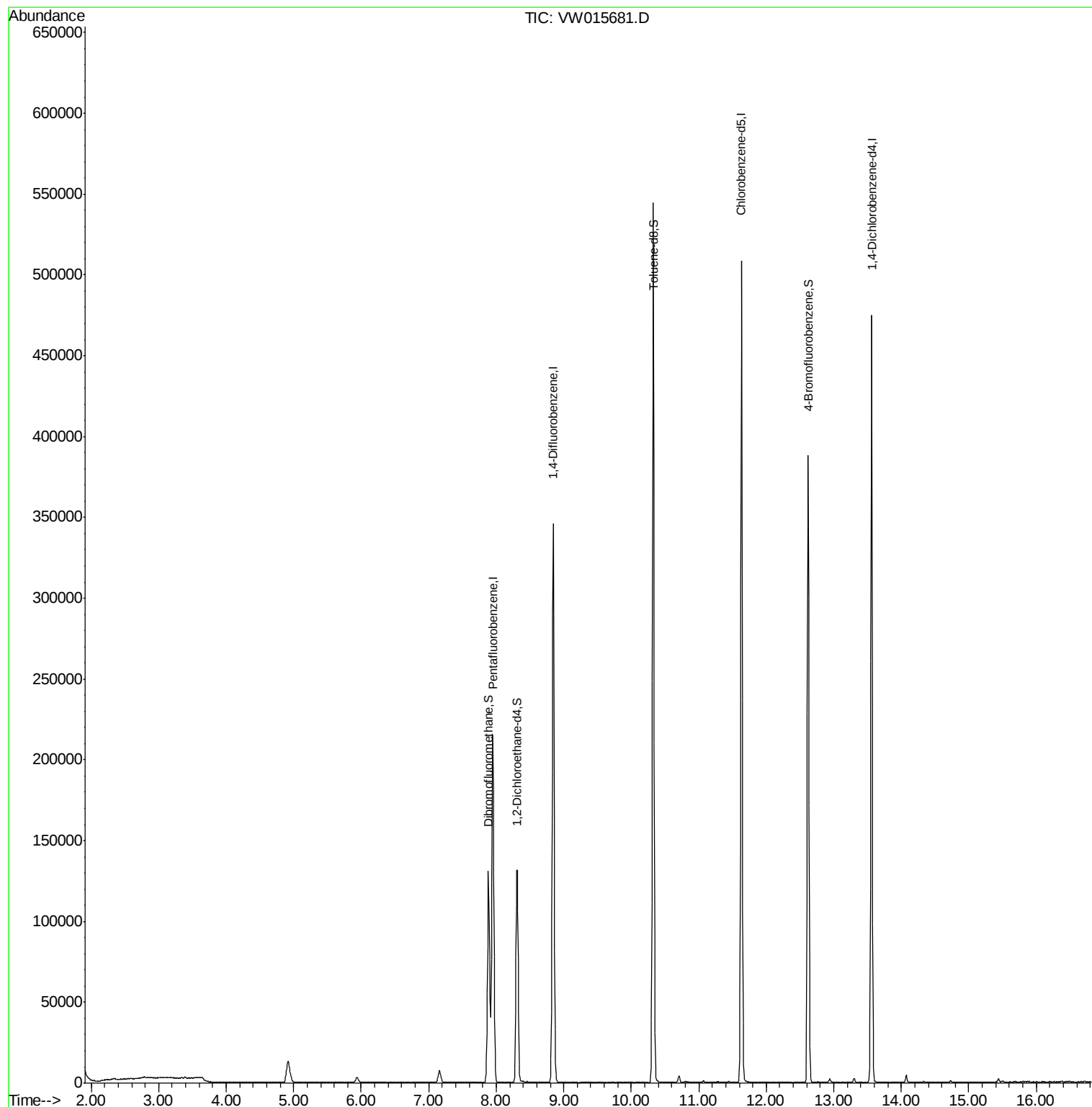
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

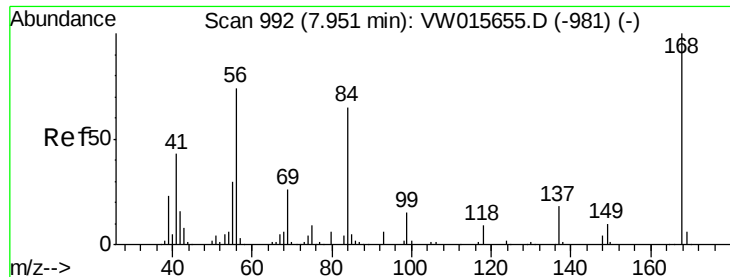
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062420\  
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MSVOA\_W  
ClientSampleId :  
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Quant Time: Jun 25 03:01:41 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W062320S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 23 13:20:19 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA\_W

ClientSampled :

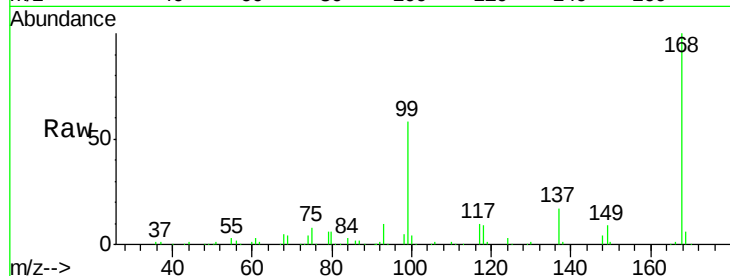
SB-4

Tot Ion:168 Resp: 157275

Ion Ratio Lower Upper

168 100

99 58.2 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

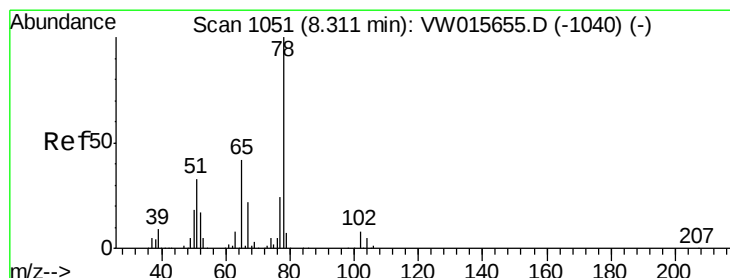
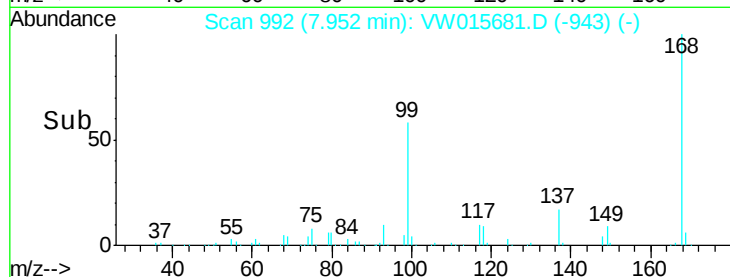
40000

20000

0

7.90 8.00 8.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 62.253 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015681.D

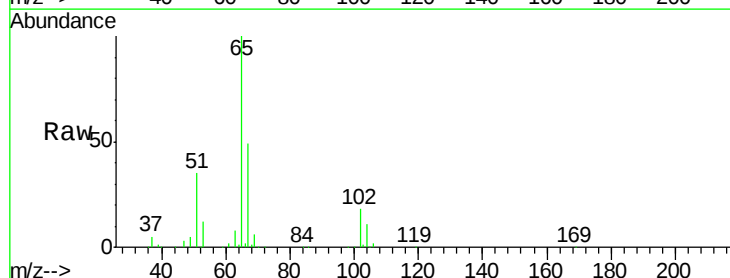
Acq: 24 Jun 2020 14:28

Tgt Ion: 65 Resp: 108936

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

50000

40000

30000

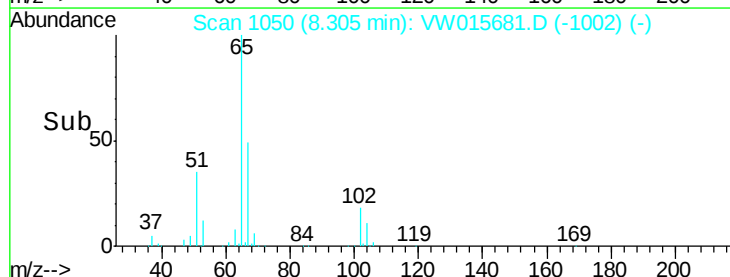
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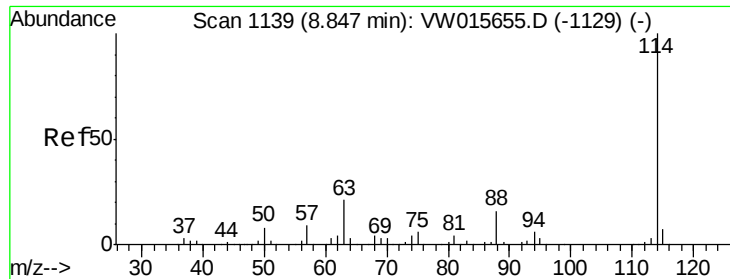
10000

0

8.20 8.30 8.40 8.50

Time-->

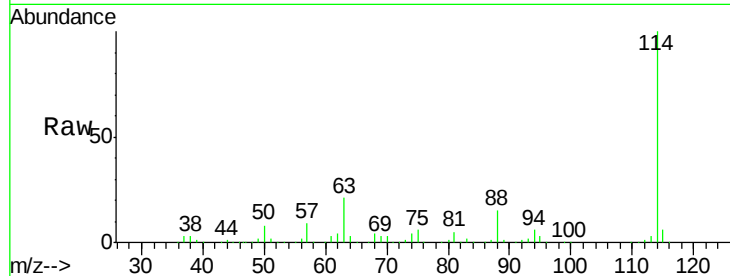




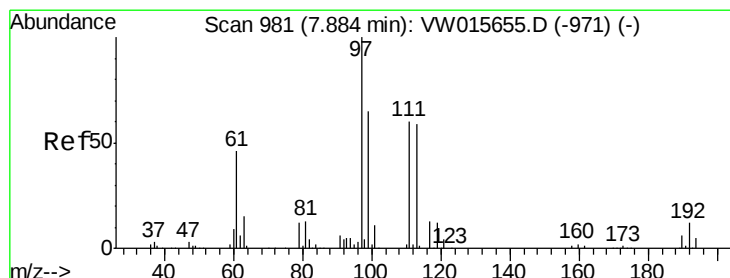
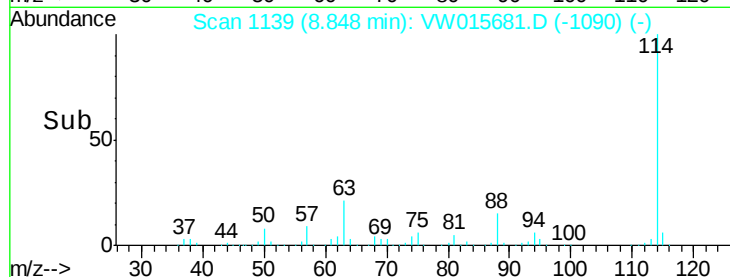
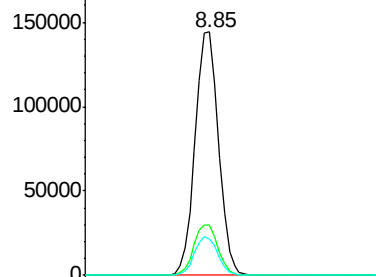
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.85 min Scan# 1139  
Delta R.T. 0.00 min  
Lab File: VW015681.D  
Acq: 24 Jun 2020 14:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.5  | 0.0   | 42.4  |
| 88      | 15.0  | 0.0   | 32.6  |

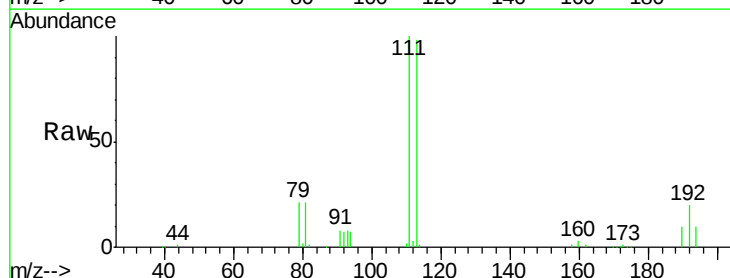


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VV  
Ion 87.90 (87.60 to 88.60): VV

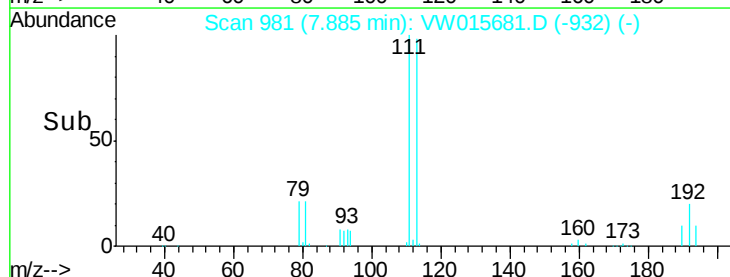
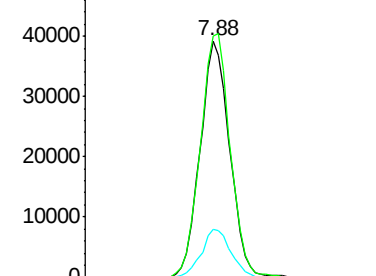


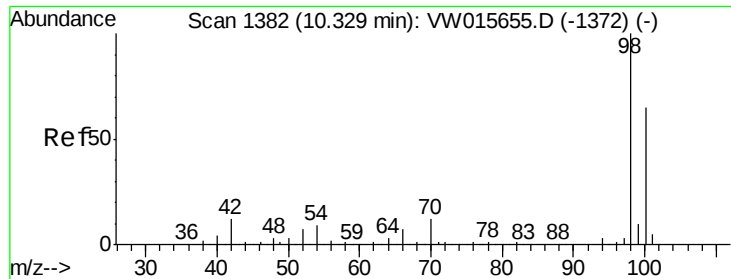
#35  
Dibromofluoromethane  
Concen: 50.997 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.00 min  
Lab File: VW015681.D  
Acq: 24 Jun 2020 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.1 | 82.3  | 123.5 |
| 192     | 20.0  | 16.4  | 24.6  |



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: 49.809 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015681.D

Acq: 24 Jun 2020 14:28

Instrument :

MSVOA\_W

ClientSampled :

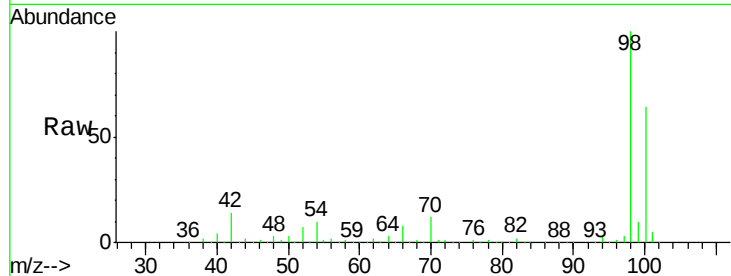
SB-4

Tot Ion: 98 Resp: 353057

Ion Ratio Lower Upper

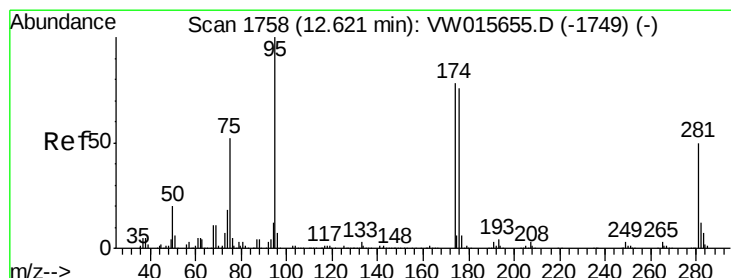
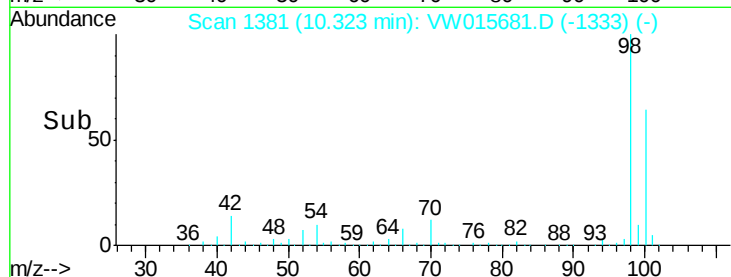
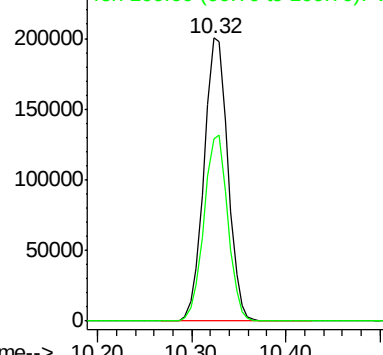
98 100

100 65.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 46.080 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015681.D

Acq: 24 Jun 2020 14:28

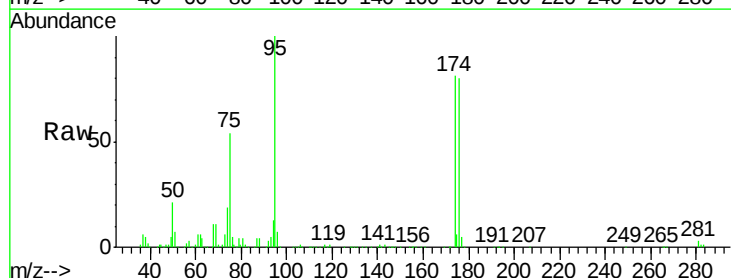
Tgt Ion: 95 Resp: 120287

Ion Ratio Lower Upper

95 100

174 79.3 0.0 157.0

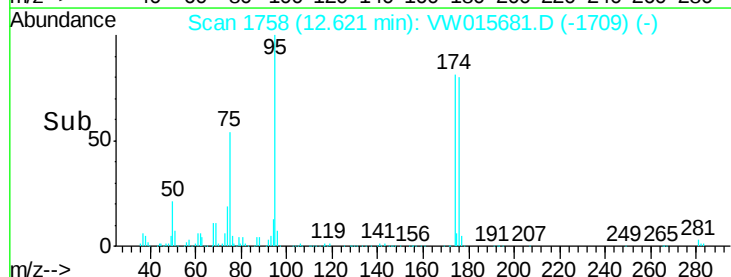
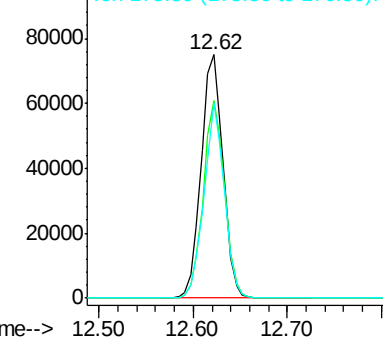
176 74.5 0.0 151.4

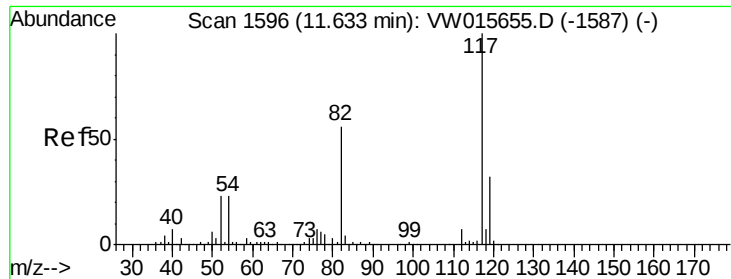


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

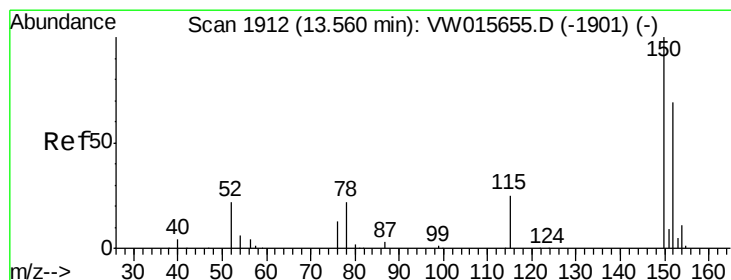
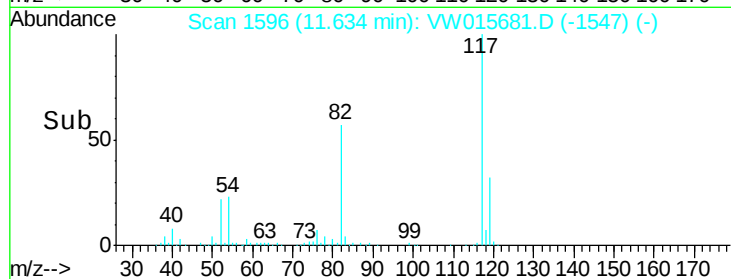
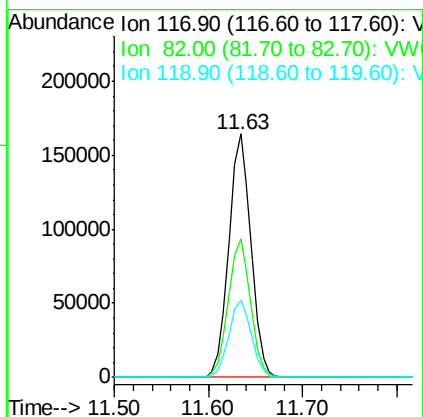
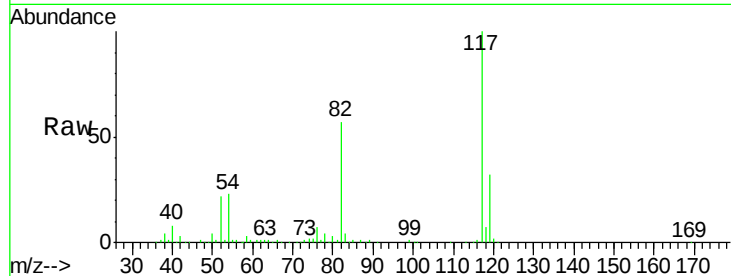




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW015681.D  
Acq: 24 Jun 2020 14:28

Instrument :  
MSVOA\_W  
ClientSampled :  
SB-4

Tot Ion:117 Resp: 268108  
Ion Ratio Lower Upper  
117 100  
82 57.1 45.1 67.7  
119 31.8 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW015681.D  
Acq: 24 Jun 2020 14:28

Tgt Ion:152 Resp: 121041  
Ion Ratio Lower Upper  
152 100  
115 59.0 30.1 90.5  
150 153.3 0.0 345.6

