

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062520\  
 Data File : VW015729.D  
 Acq On : 25 Jun 2020 15:23  
 Operator : SY/VA  
 Sample : L2817-11RE  
 Misc : 8.61G/5ML/MSVOA W/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-01-062420RE

Quant Time: Jun 26 03:19:53 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  | 165329   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 278216   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 254151   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 118174   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 106646   | 57.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.96% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 87606    | 50.06 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.12% |      |
| 50) Toluene-d8              | 10.33  | 98  | 341258   | 49.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.10%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 117877   | 46.47 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.94%  |      |

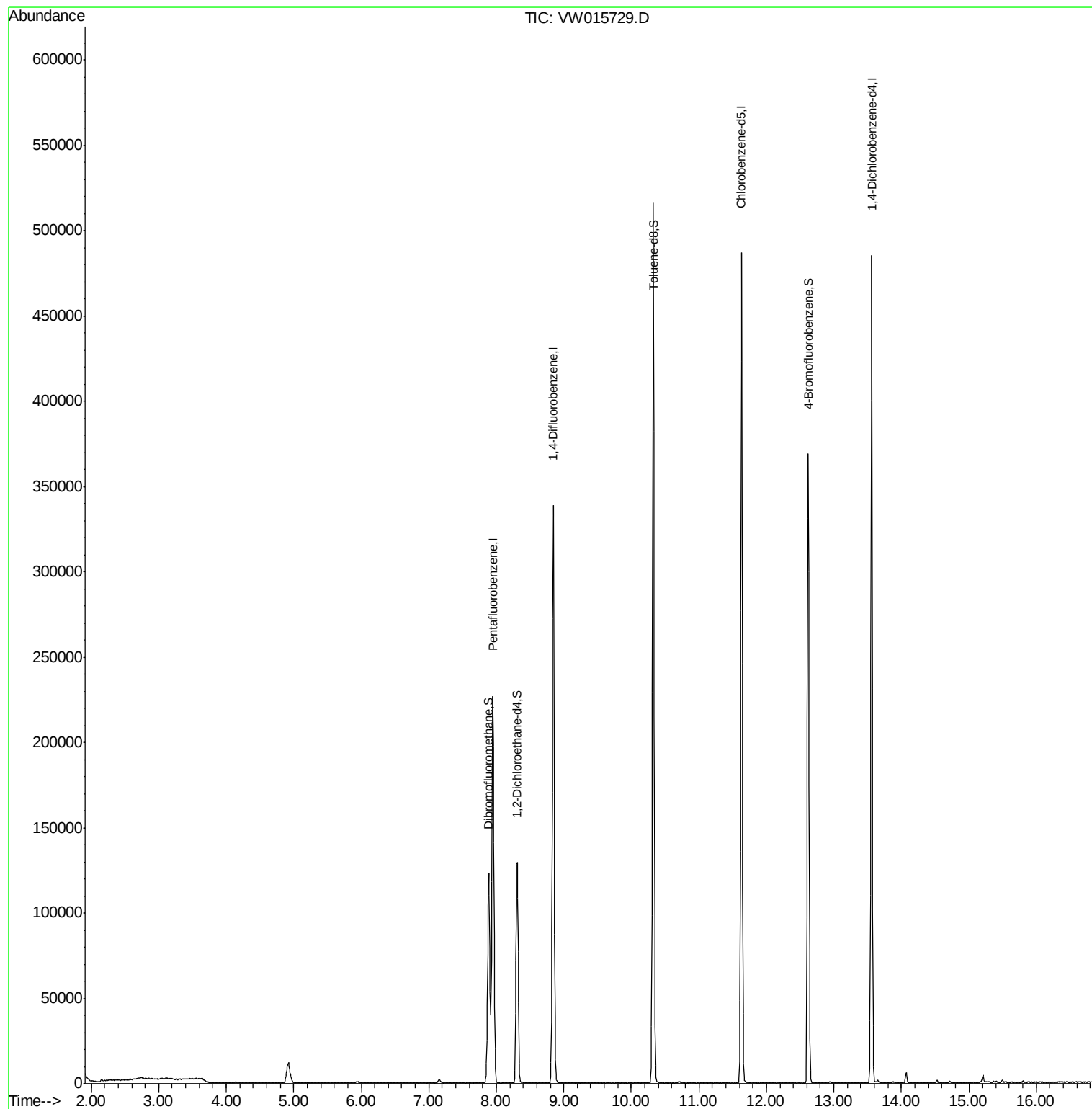
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062520\  
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MSVOA\_W  
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SU-01-062420RE

Quant Time: Jun 26 03:19:53 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: VW015729.D

Acq: 25 Jun 2020 15:23

Instrument :

MSVOA\_W

ClientSampleId :

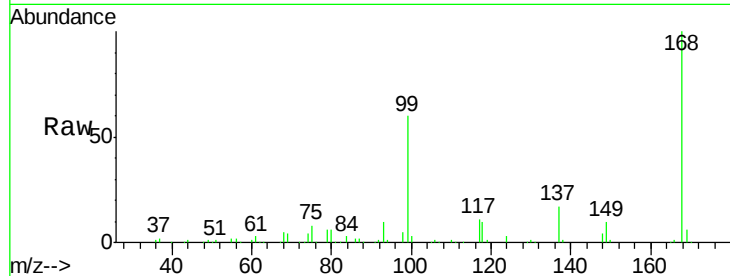
SU-01-062420RE

Tot Ion:168 Resp: 165329

Ion Ratio Lower Upper

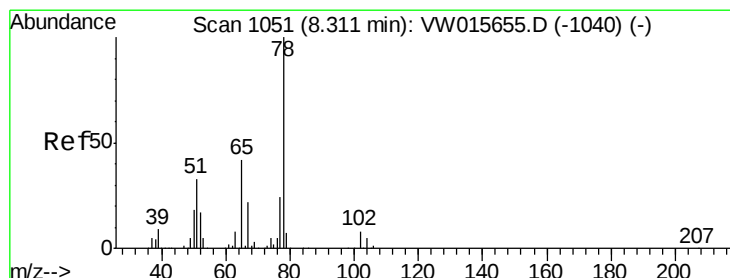
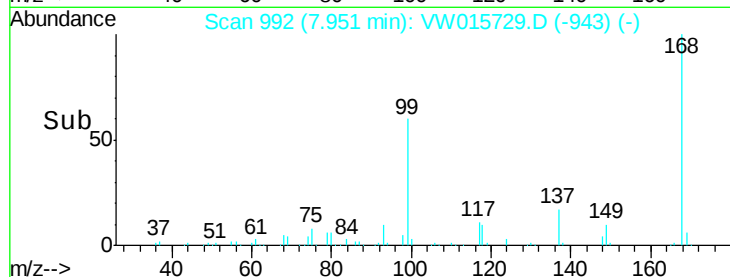
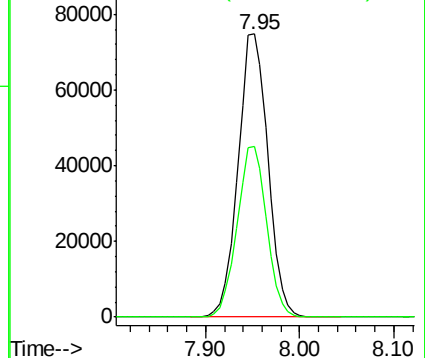
168 100

99 60.3 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 57.975 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015729.D

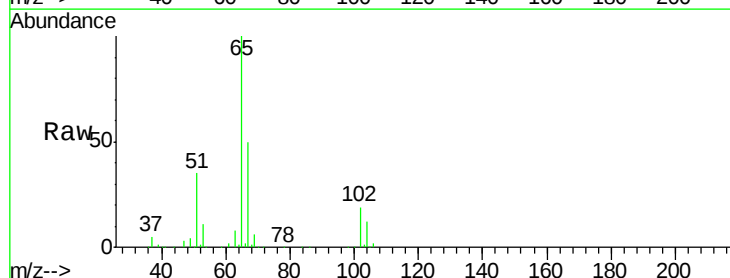
Acq: 25 Jun 2020 15:23

Tgt Ion: 65 Resp: 106646

Ion Ratio Lower Upper

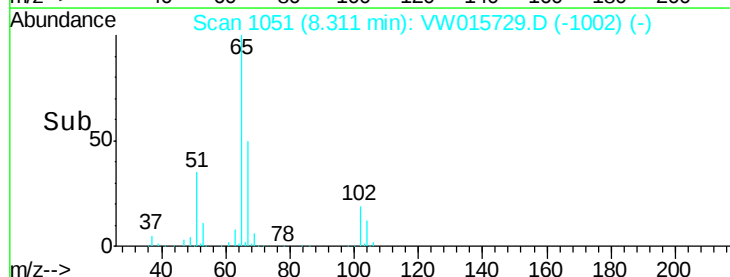
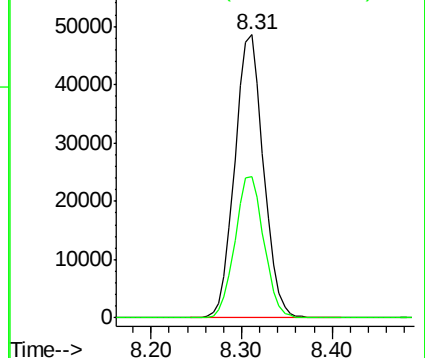
65 100

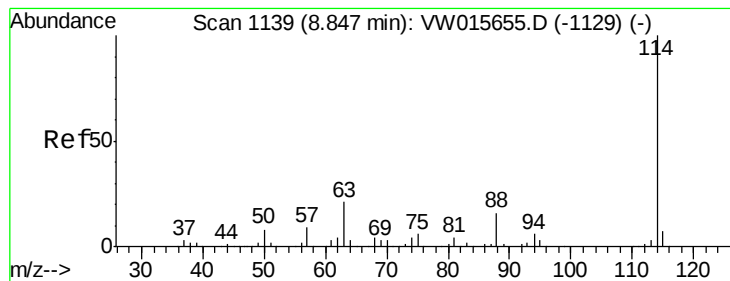
67 50.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015729.D

Acq: 25 Jun 2020 15:23

Instrument :

MSVOA\_W

ClientSampleId :

SU-01-062420RE

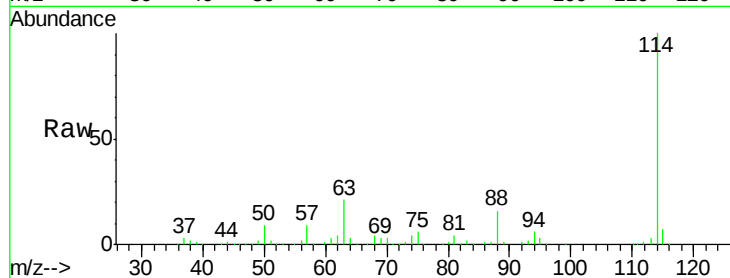
Tot Ion:114 Resp: 278216

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

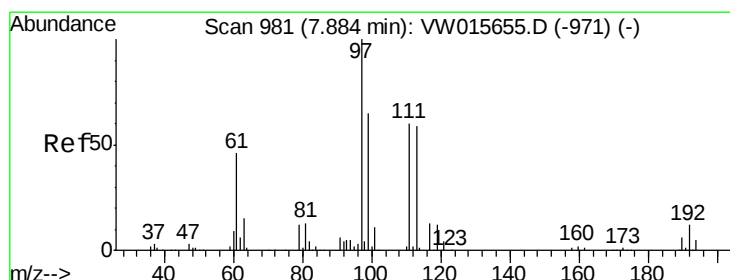
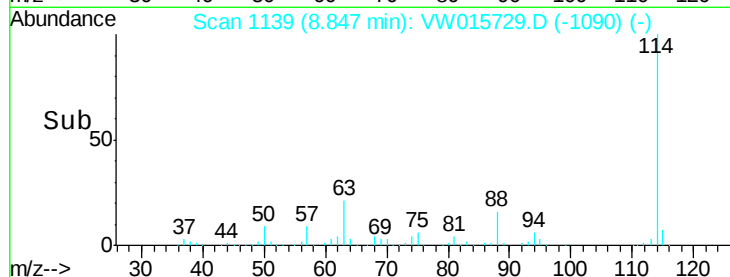
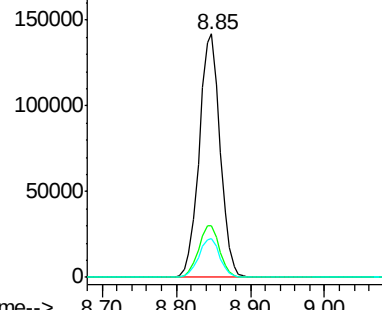
88 16.0 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.059 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015729.D

Acq: 25 Jun 2020 15:23

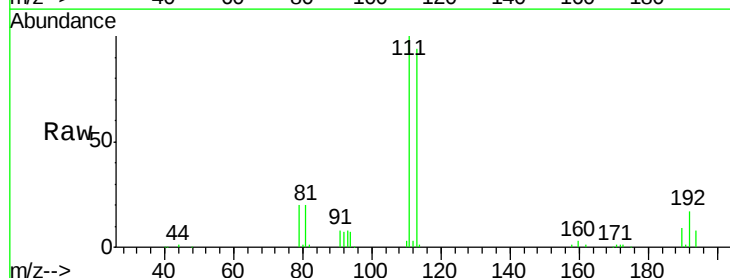
Tgt Ion:113 Resp: 87606

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

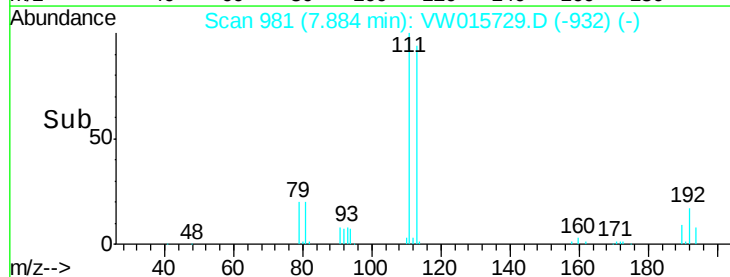
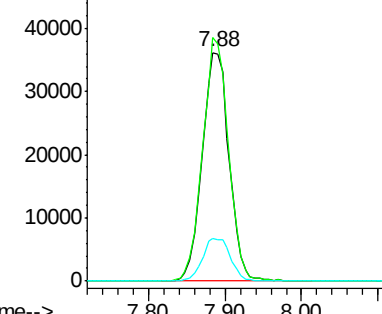
192 19.3 16.4 24.6

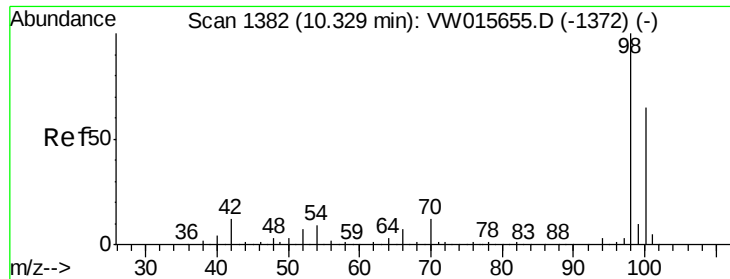


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.550 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015729.D

Acq: 25 Jun 2020 15:23

Instrument :

MSVOA\_W

ClientSampleId :

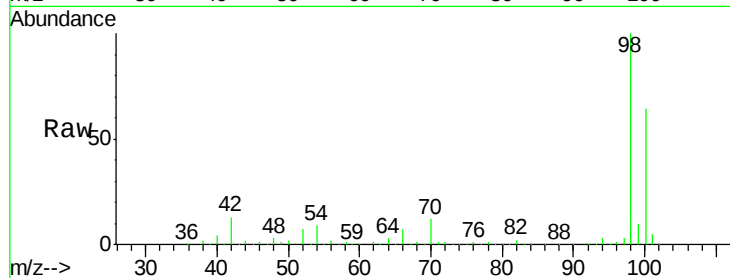
SU-01-062420RE

Tot Ion: 98 Resp: 341258

Ion Ratio Lower Upper

98 100

100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

200000

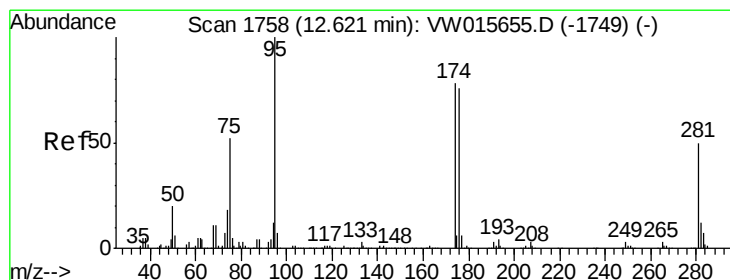
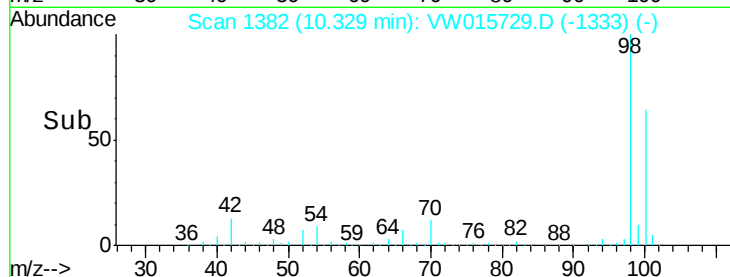
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.475 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015729.D

Acq: 25 Jun 2020 15:23

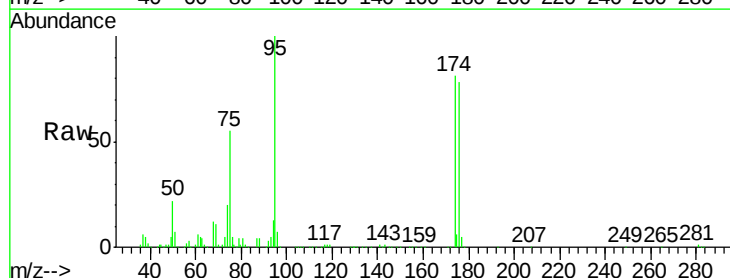
Tgt Ion: 95 Resp: 117877

Ion Ratio Lower Upper

95 100

174 78.5 0.0 157.0

176 76.6 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

100000

80000

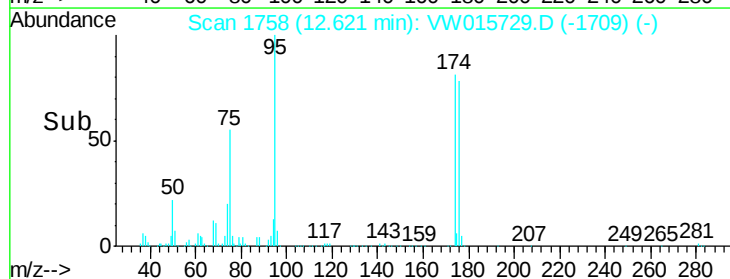
60000

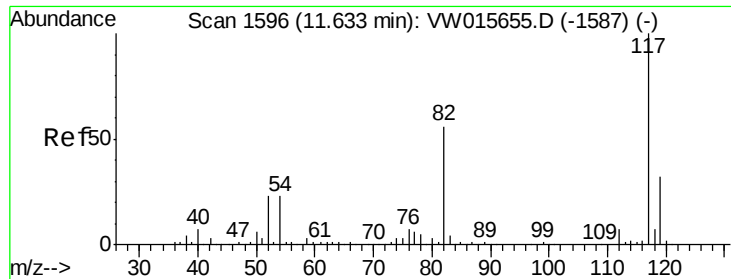
40000

20000

0

Time-->

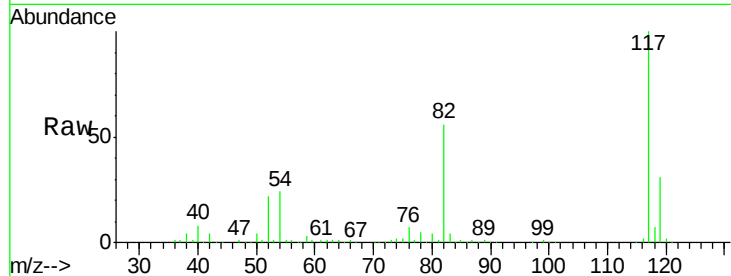




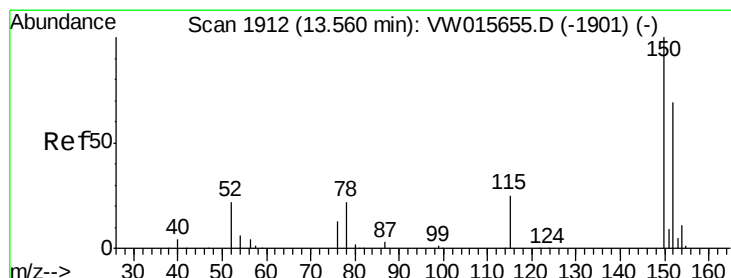
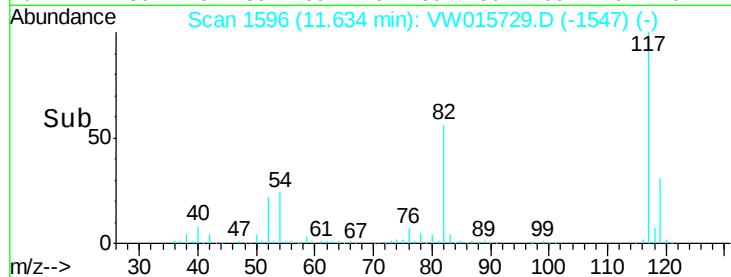
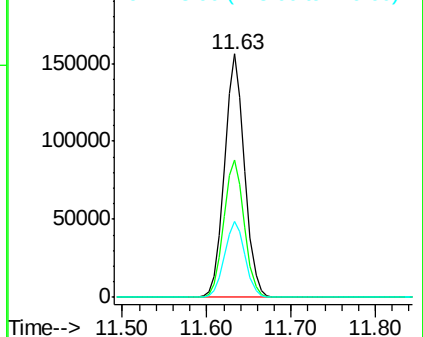
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW015729.D  
Acq: 25 Jun 2020 15:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-01-062420RE

Tot Ion:117 Resp: 254151  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.1 67.7  
119 31.4 25.8 38.8

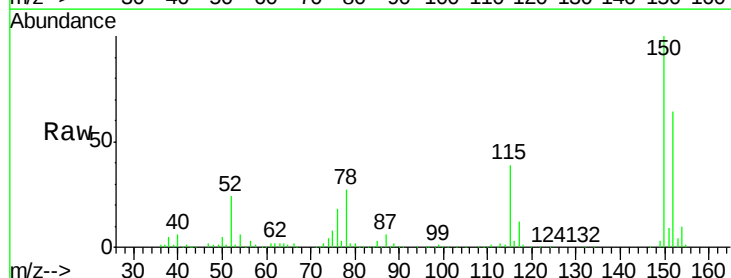


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VW  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW015729.D  
Acq: 25 Jun 2020 15:23

Tgt Ion:152 Resp: 118174  
Ion Ratio Lower Upper  
152 100  
115 60.4 30.1 90.5  
150 157.1 0.0 345.6



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

