

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062420\  
 Data File : VW015693.D  
 Acq On : 24 Jun 2020 19:43  
 Operator : SY/VA  
 Sample : L3089-01  
 Misc : 7.12G/5ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 RB47184-RT

Quant Time: Jun 25 03:35:47 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  | 144270   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 259391   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 211076   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 64365    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 94680    | 58.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 117.96% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 84046    | 51.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.02% |      |
| 50) Toluene-d8              | 10.32  | 98  | 315941   | 49.20 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.40%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 80777    | 34.16 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 68.32%  |      |

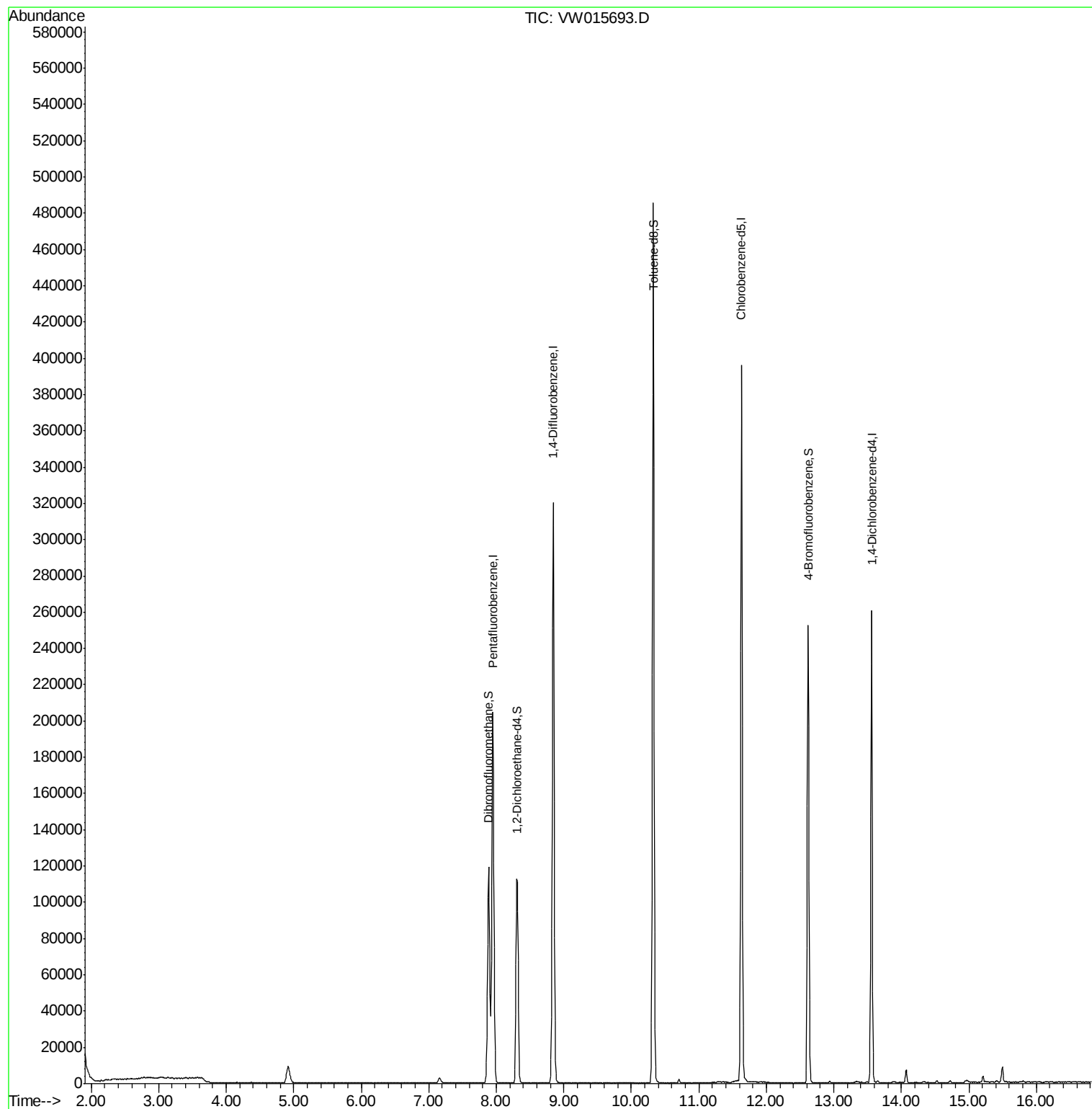
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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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: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA\_W

ClientSampleId :

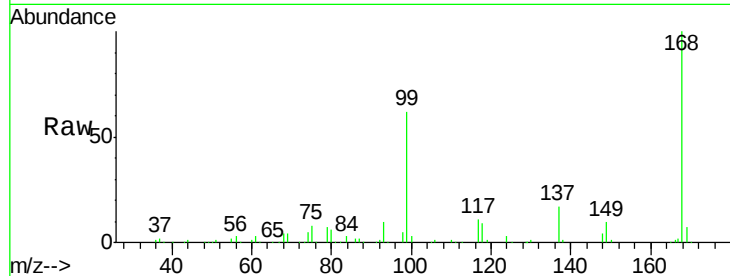
RB47184-RT

Tot Ion:168 Resp: 144270

Ion Ratio Lower Upper

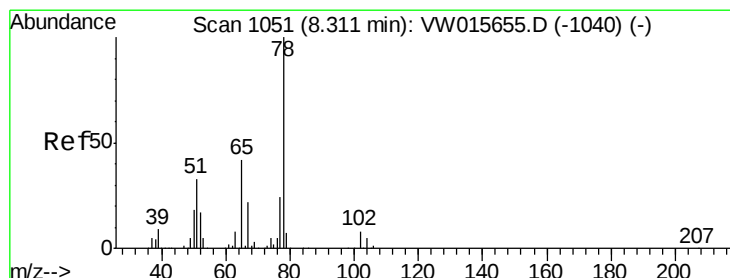
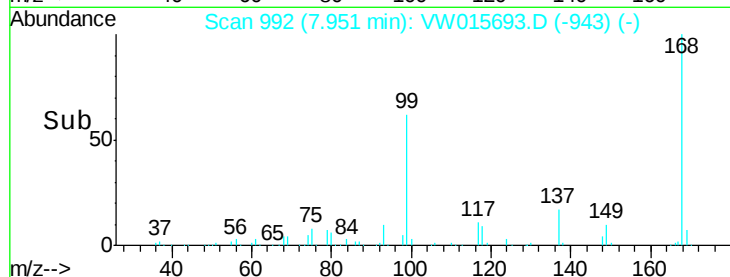
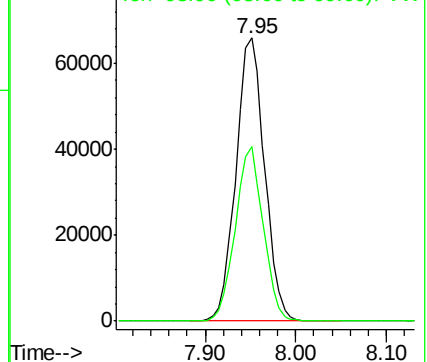
168 100

99 61.9 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: 58.983 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015693.D

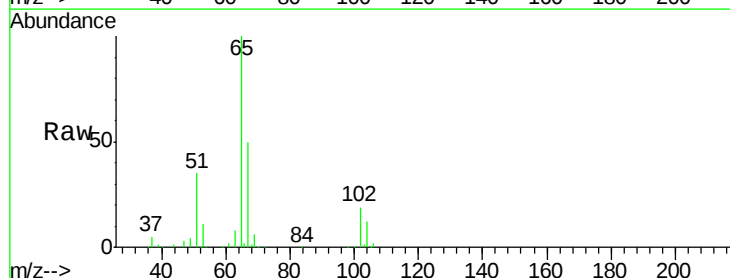
Acq: 24 Jun 2020 19:43

Tgt Ion: 65 Resp: 94680

Ion Ratio Lower Upper

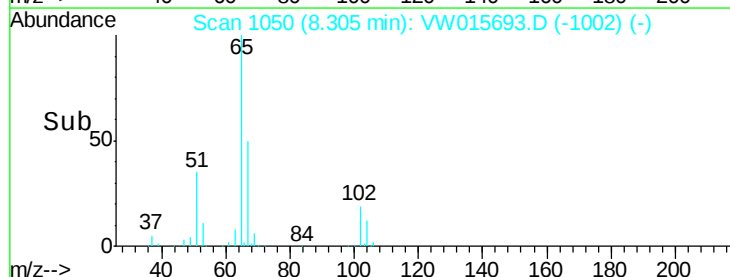
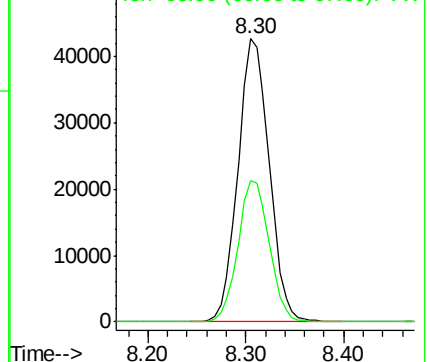
65 100

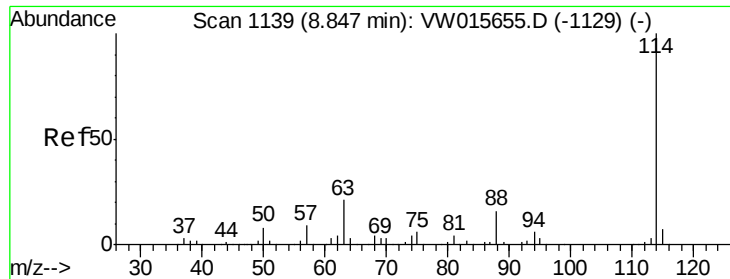
67 49.9 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

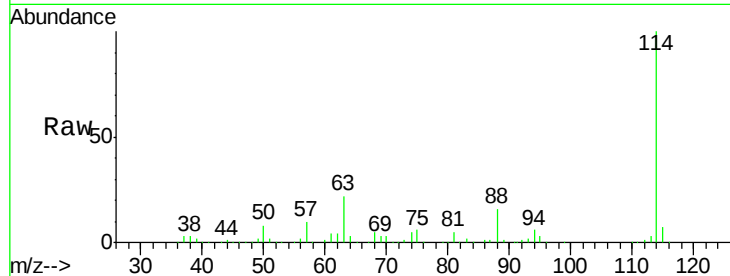




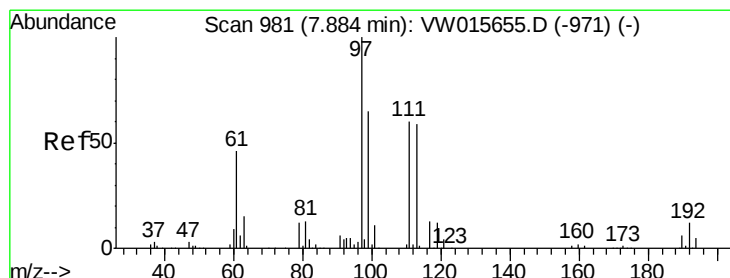
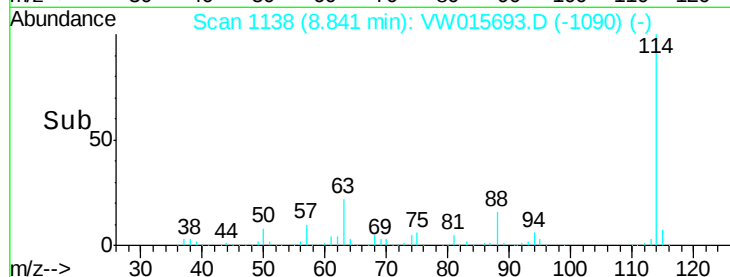
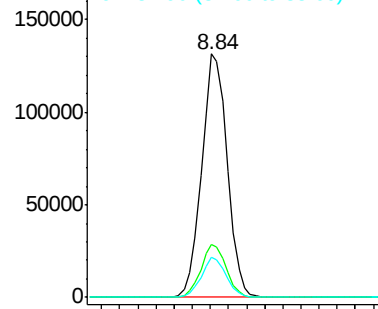
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.01 min  
Lab File: VW015693.D  
Acq: 24 Jun 2020 19:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
RB47184-RT

Tot Ion:114 Resp: 259391  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 42.4  
88 16.3 0.0 32.6

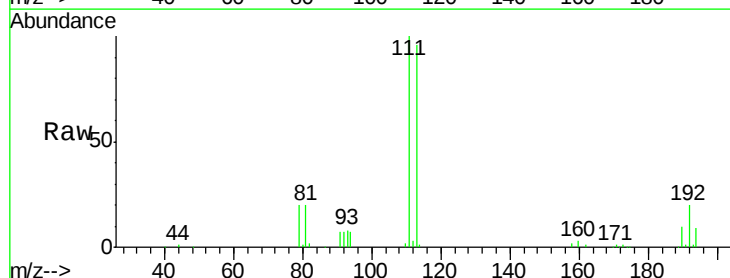


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

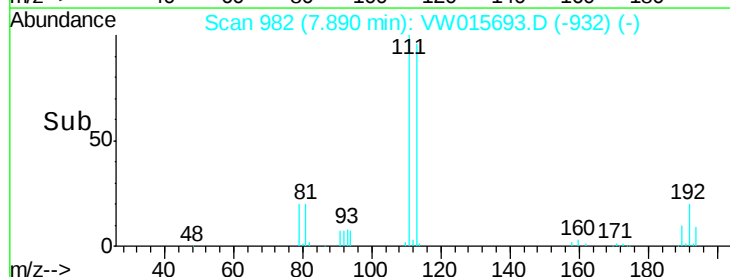
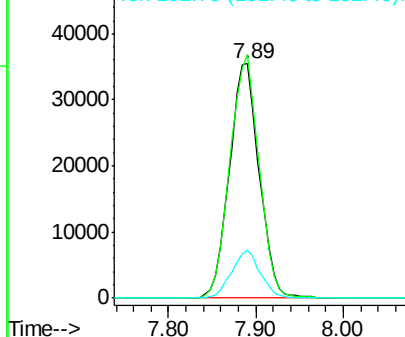


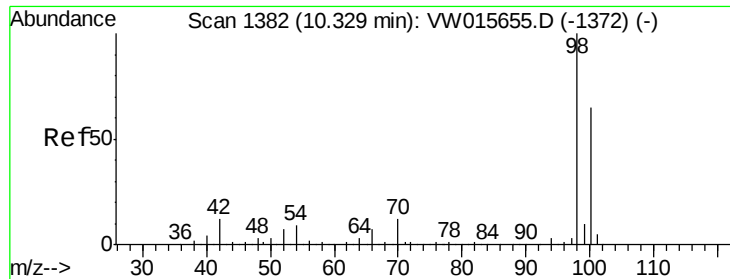
#35  
Dibromofluoromethane  
Concen: 51.510 ug/l  
RT: 7.89 min Scan# 982  
Delta R.T. 0.01 min  
Lab File: VW015693.D  
Acq: 24 Jun 2020 19:43

Tgt Ion:113 Resp: 84046  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.3 123.5  
192 19.6 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: 49.203 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

Instrument :

MSVOA\_W

ClientSampleId :

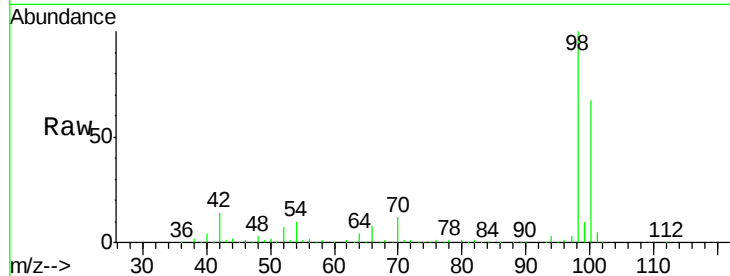
RB47184-RT

Tot Ion: 98 Resp: 315941

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

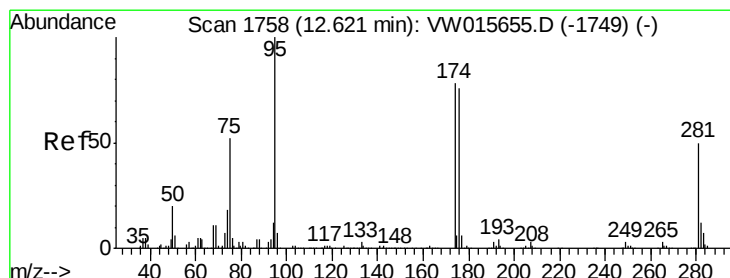
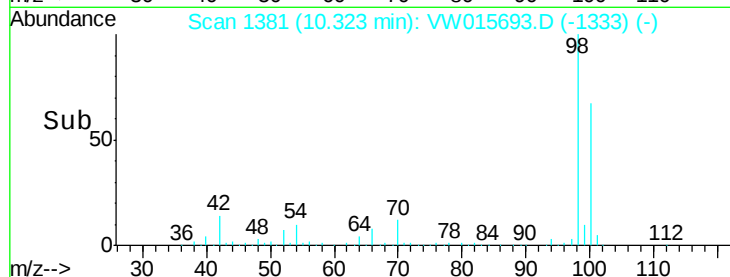
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 34.159 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015693.D

Acq: 24 Jun 2020 19:43

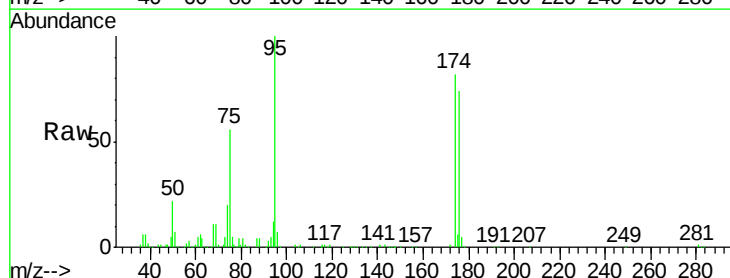
Tgt Ion: 95 Resp: 80777

Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.0

176 73.6 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

12.62

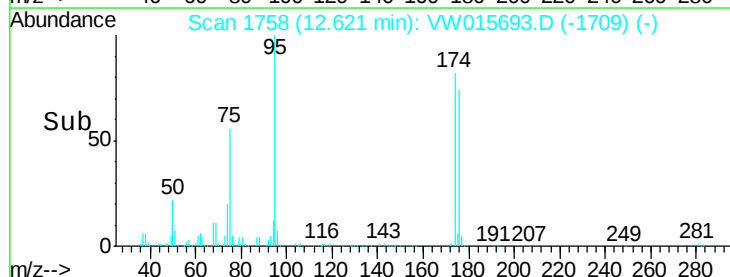
60000

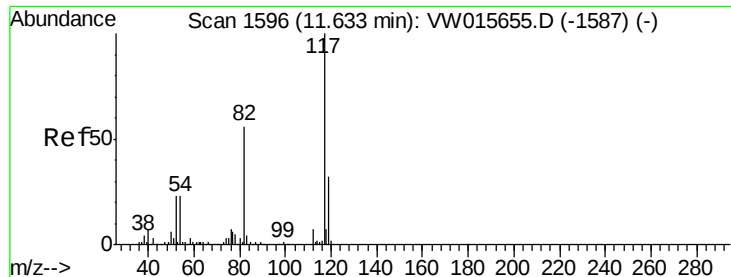
40000

20000

0

Time-->

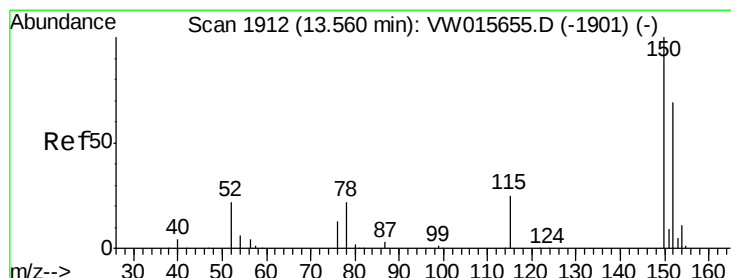
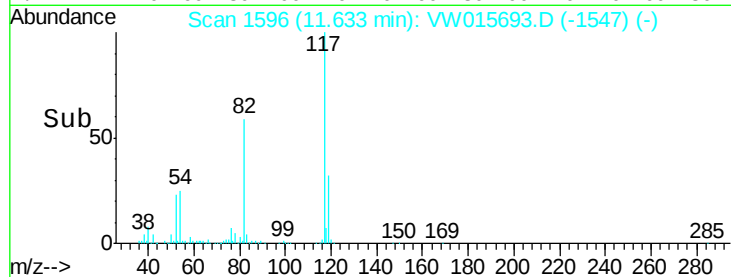
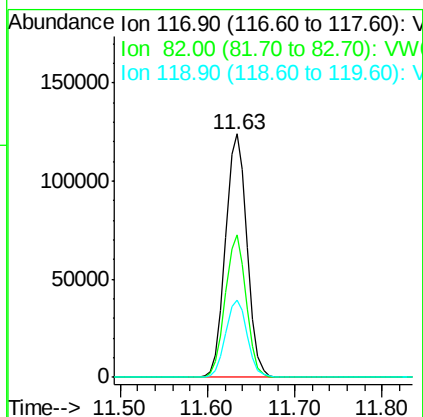
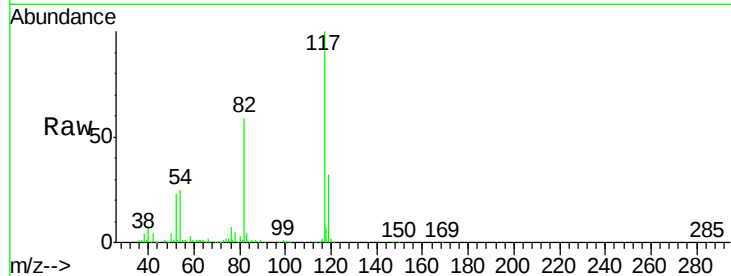




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW015693.D  
Acq: 24 Jun 2020 19:43

Instrument :  
MSVOA\_W  
ClientSampleId :  
RB47184-RT

Tot Ion:117 Resp: 211076  
Ion Ratio Lower Upper  
117 100  
82 58.8 45.1 67.7  
119 31.7 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: VW015693.D  
Acq: 24 Jun 2020 19:43

Tgt Ion:152 Resp: 64365  
Ion Ratio Lower Upper  
152 100  
115 60.3 30.1 90.5  
150 157.8 0.0 345.6

