

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\  
 Data File : VW011402.D  
 Acq On : 20 Jul 2019 04:23  
 Operator : SY/VA  
 Sample : K3835-07RE  
 Misc : 5.44G/5ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-4(0-2)RE

Quant Time: Jul 20 06:55:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 213050   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 368500   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 304800   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 126136   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 103765   | 38.76 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 77.52% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 81061    | 36.91 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 73.82% |      |
| 50) Toluene-d8              | 10.32  | 98  | 274669   | 30.94 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 61.88% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 96242    | 29.57 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 59.14% |      |

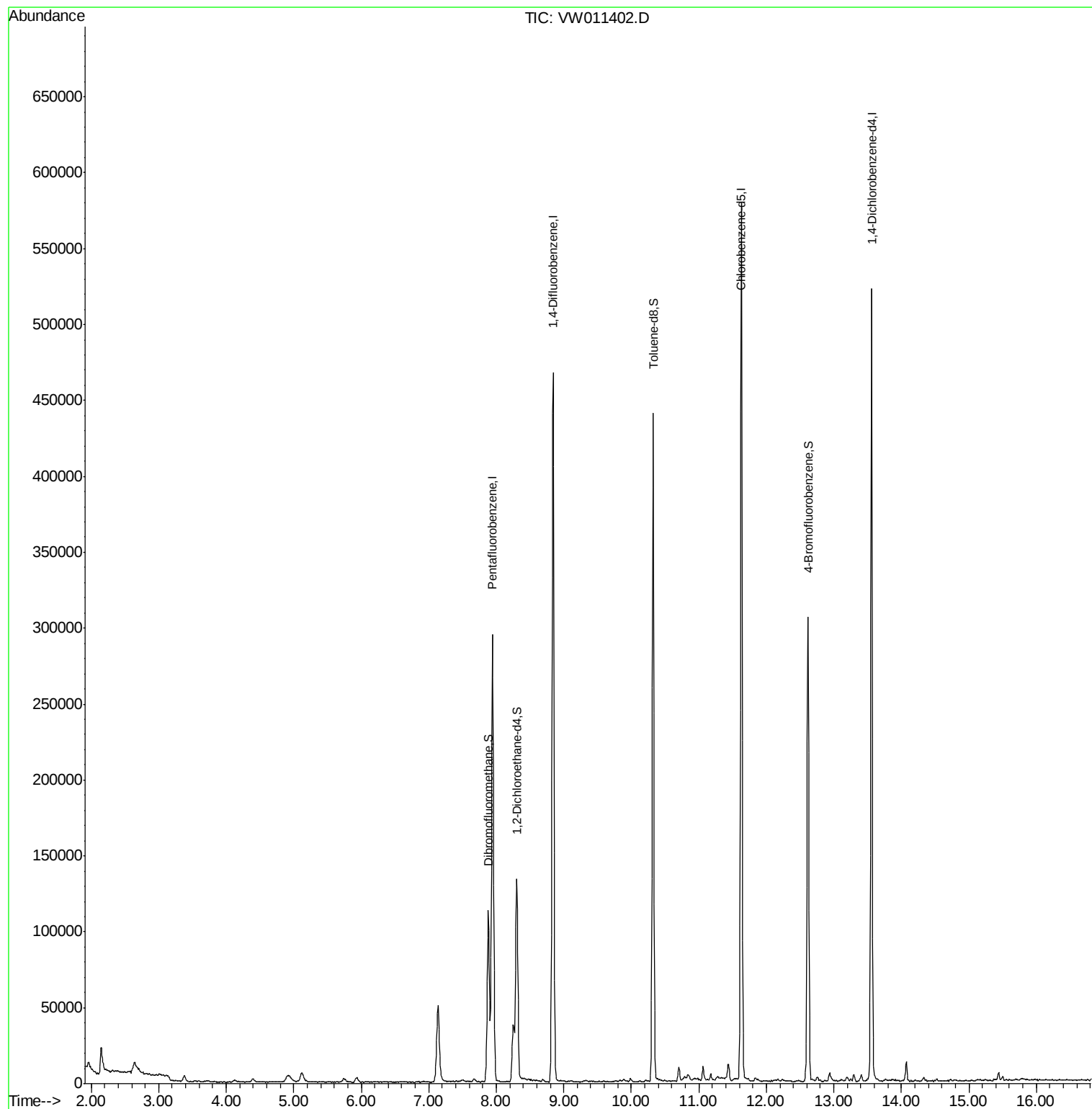
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

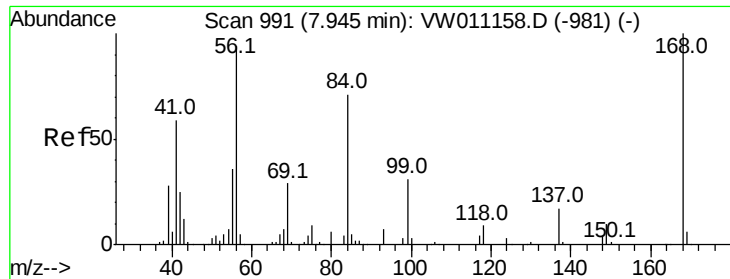
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\  
Data File : VW011402.D  
Acq On : 20 Jul 2019 04:23  
Operator : SY/VA  
Sample : K3835-07RE  
Misc : 5.44G/5ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-4(0-2)RE

Quant Time: Jul 20 06:55:37 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA\_W

ClientSampleId :

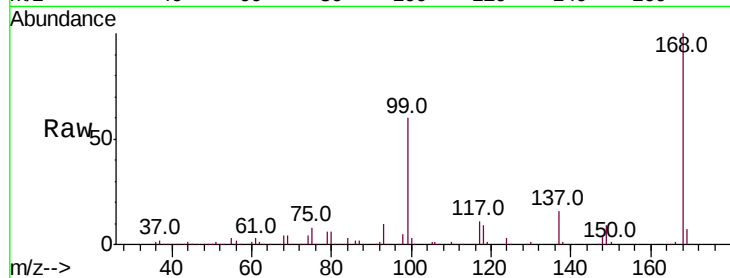
SB-4(0-2)RE

Tot Ion:168 Resp: 213050

Ion Ratio Lower Upper

168 100

99 60.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

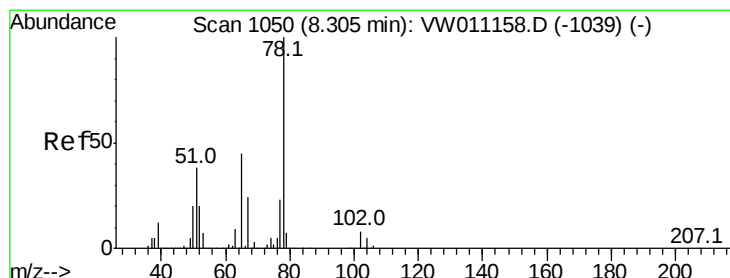
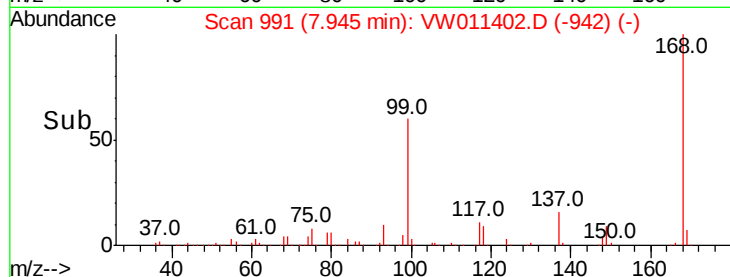
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 38.761 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011402.D

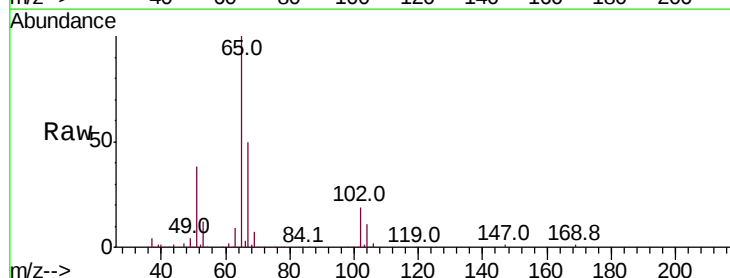
Acq: 20 Jul 2019 04:23

Tgt Ion: 65 Resp: 103765

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

50000

40000

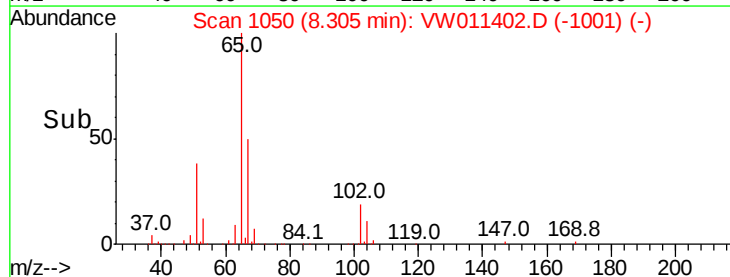
30000

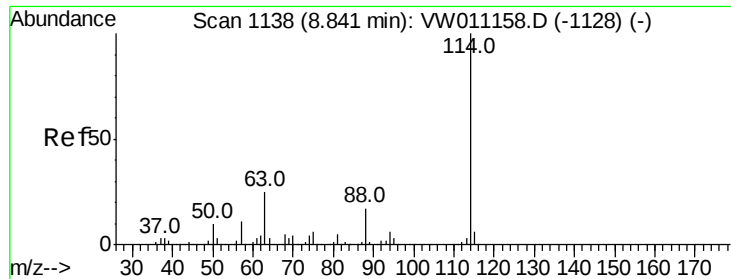
20000

10000

0

Time--> 8.20 8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA\_W

ClientSampleId :

SB-4(0-2)RE

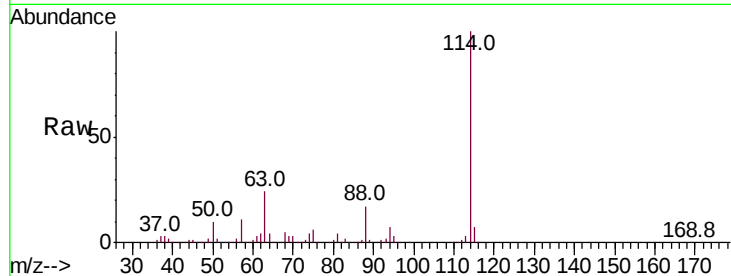
Tot Ion:114 Resp: 368500

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.8

88 16.9 0.0 34.2



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

250000

200000

150000

100000

50000

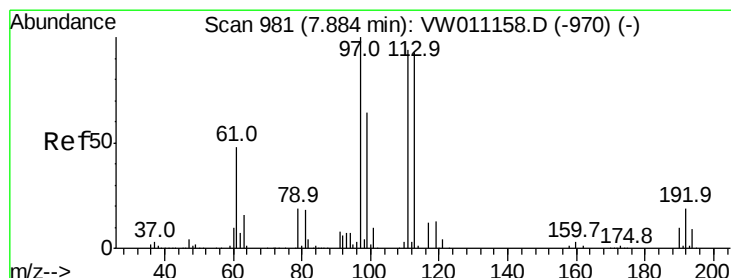
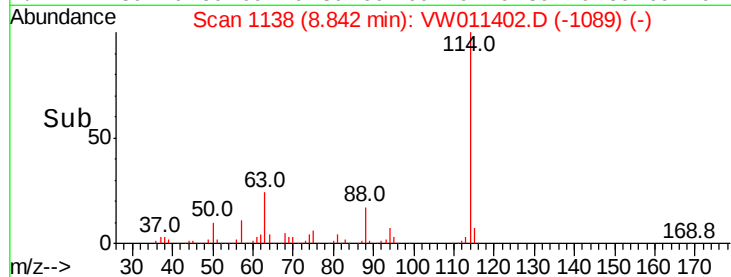
0

8.84

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 36.906 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

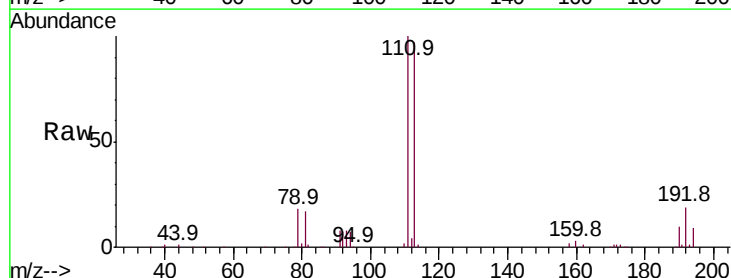
Tgt Ion:113 Resp: 81061

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 19.9 15.8 23.8



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

40000

30000

20000

10000

0

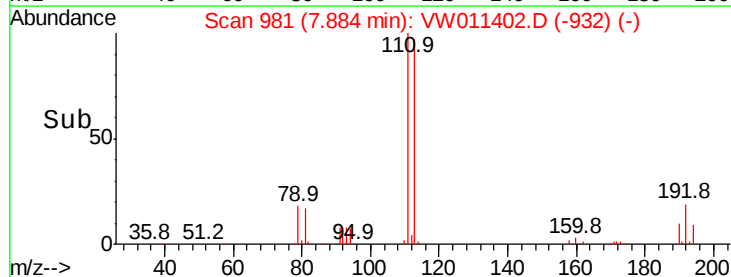
7.88

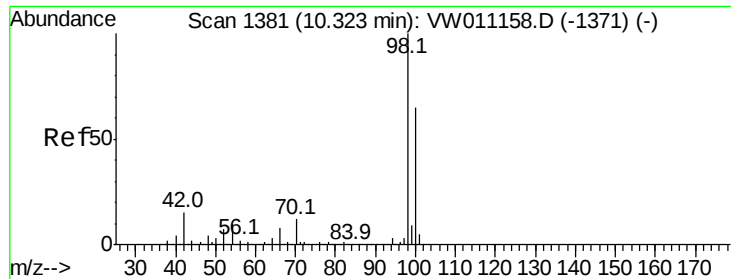
7.80

7.90

8.00

Time-->





#50

Toluene-d8

Concen: 30.937 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA\_W

ClientSampleId :

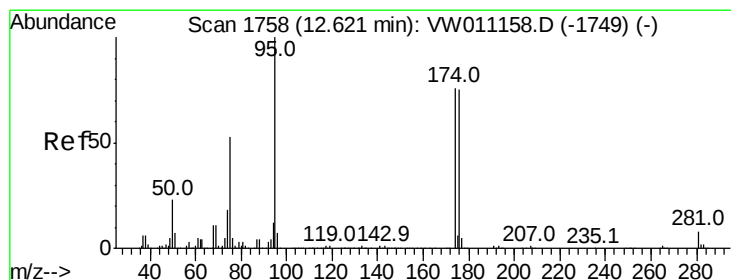
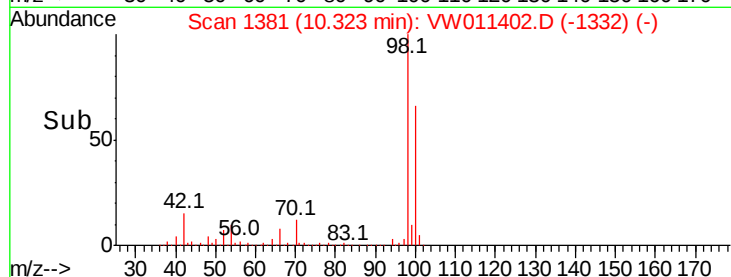
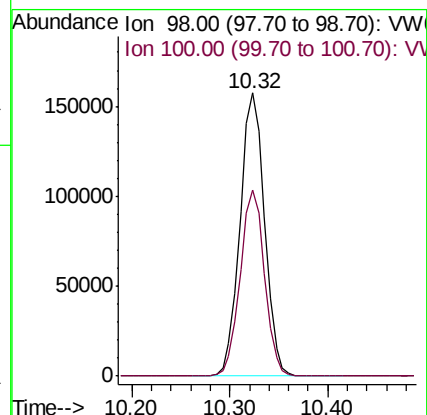
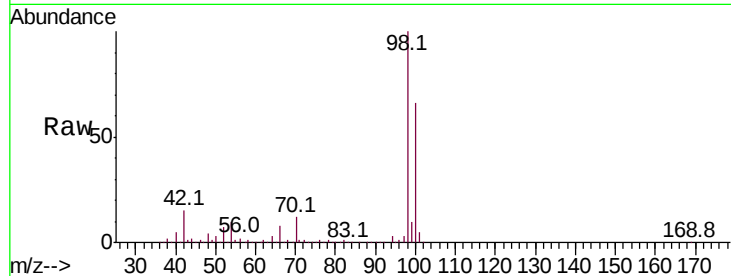
SB-4(0-2)RE

Tot Ion: 98 Resp: 274669

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 29.575 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

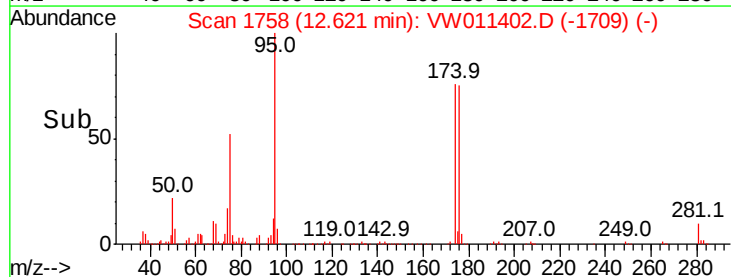
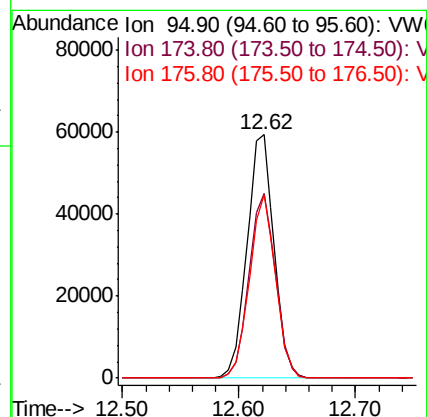
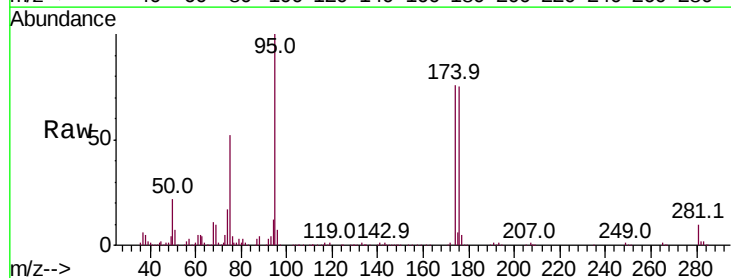
Tgt Ion: 95 Resp: 96242

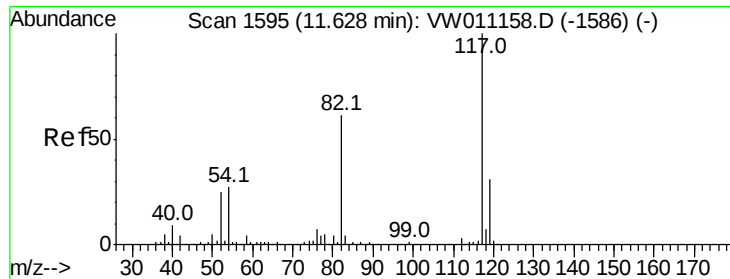
Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.6

176 72.7 0.0 144.6

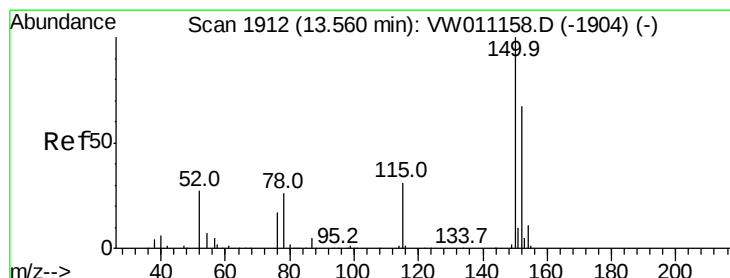
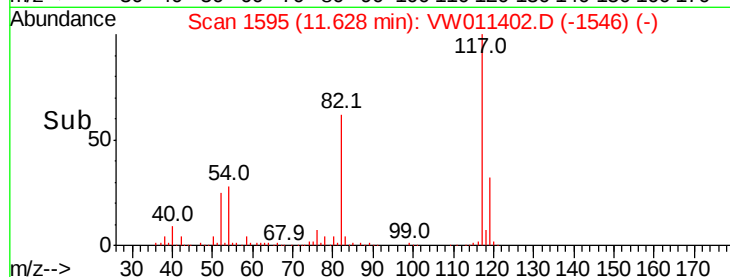
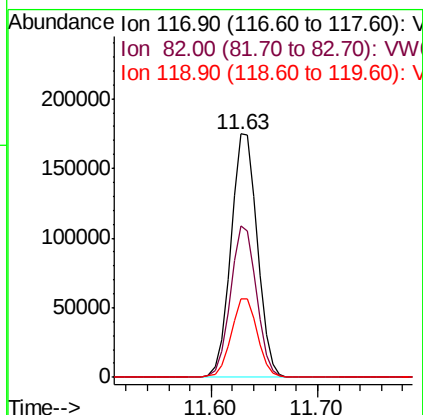
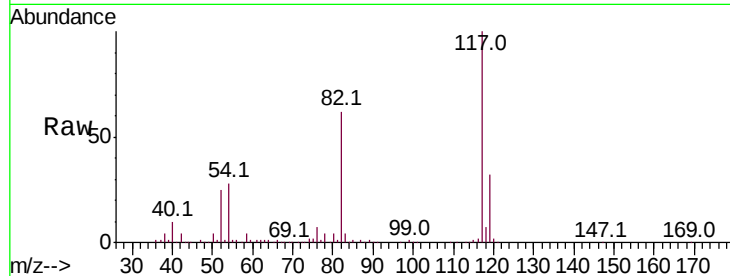




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW011402.D  
Acq: 20 Jul 2019 04:23

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-4(0-2)RE

Tot Ion:117 Resp: 304800  
Ion Ratio Lower Upper  
117 100  
82 62.1 48.9 73.3  
119 32.1 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011402.D  
Acq: 20 Jul 2019 04:23

Tgt Ion:152 Resp: 126136  
Ion Ratio Lower Upper  
152 100  
115 60.1 30.1 90.3  
150 156.6 0.0 346.0

