

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\  
 Data File : VW006780.D  
 Acq On : 08 Nov 2018 21:24  
 Operator : SY/AP  
 Sample : J5813-09RE  
 Misc : 5.88G/5ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TS-IRE

Quant Time: Nov 09 12:11:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 01 03:48:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 250168   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 368940   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 327350   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 153139   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 151698   | 70.54 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 141.08% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 163561   | 70.64 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 141.28% |      |
| 50) Toluene-d8              | 10.33  | 98  | 573901   | 65.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 130.22% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 174253   | 54.53 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.06% |      |

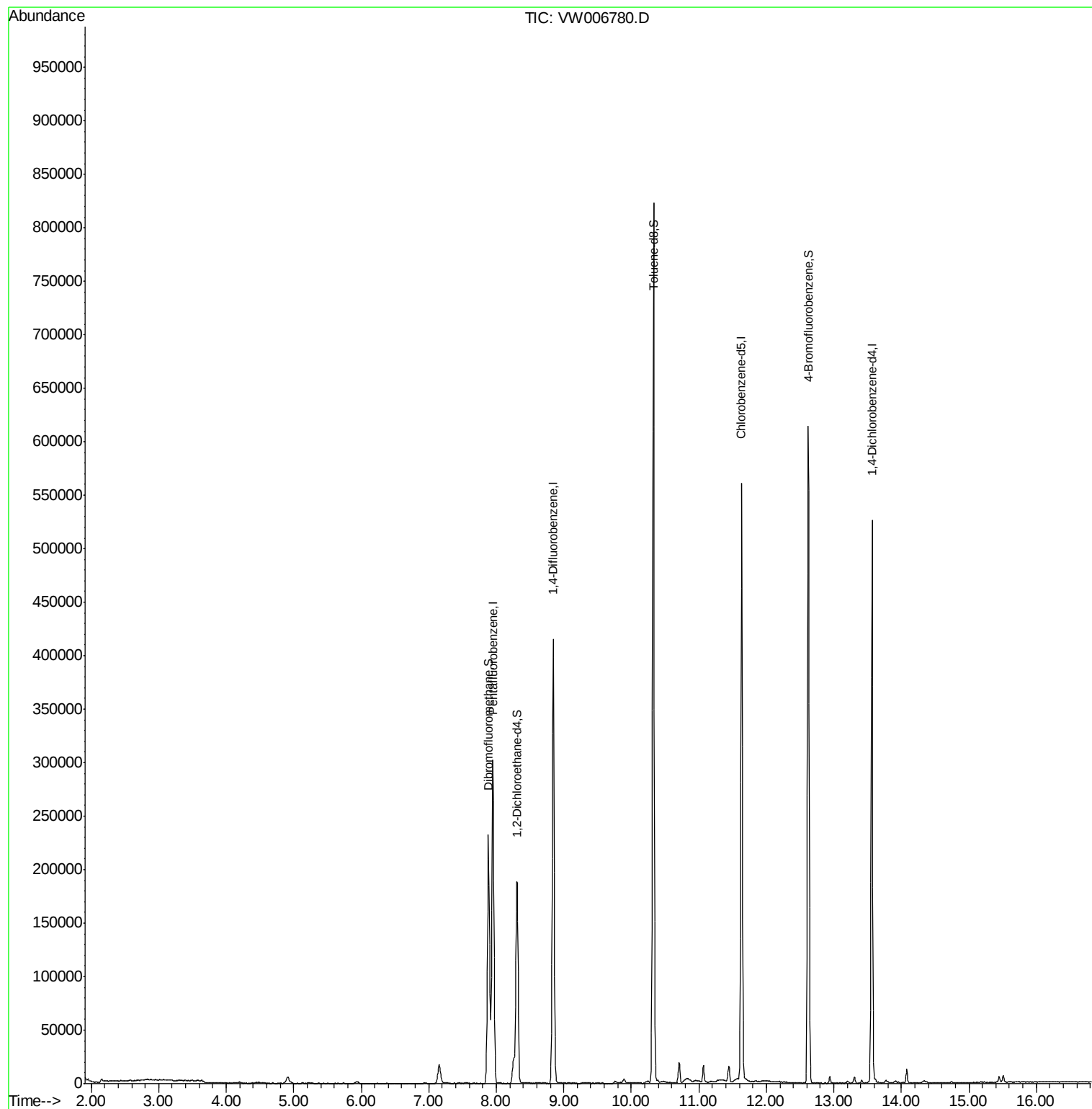
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

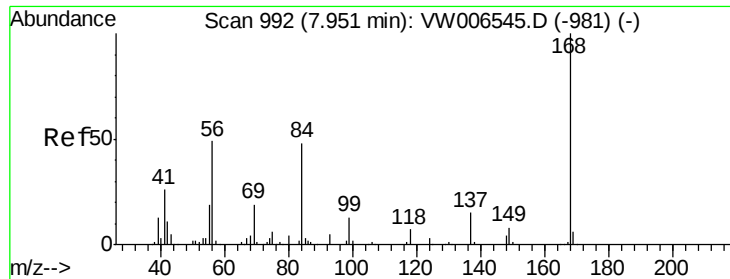
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 01 03:48:08 2018  
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: VW006780.D

Acq: 08 Nov 2018 21:24

Instrument :

MSVOA\_W

ClientSampled :

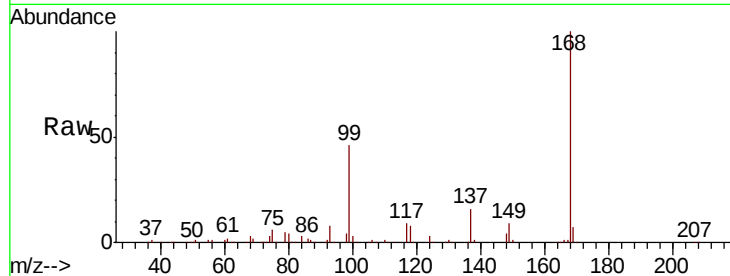
TS-IRE

Tot Ion:168 Resp: 250168

Ion Ratio Lower Upper

168 100

99 46.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

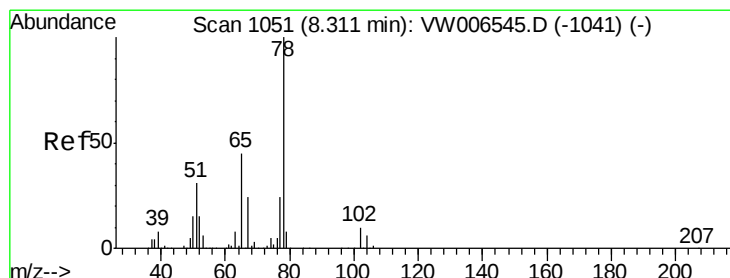
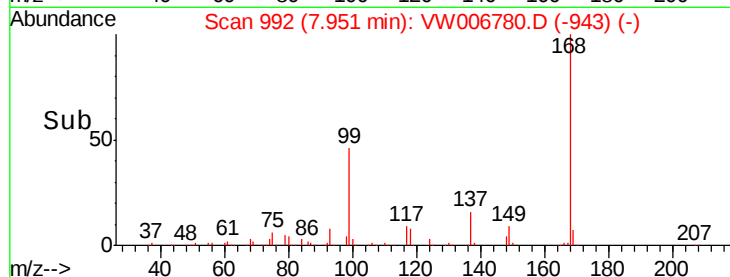
100000

50000

0

Time-->

7.90 8.00



#33

1,2-Dichloroethane-d4

Concen: 70.543 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006780.D

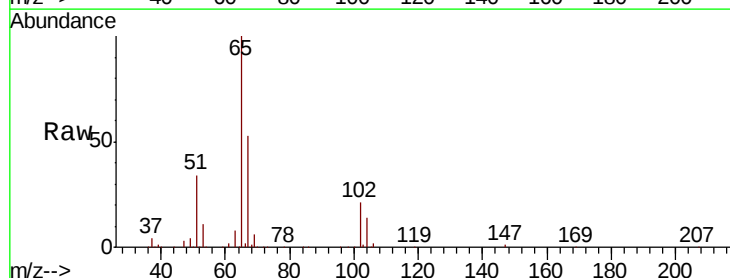
Acq: 08 Nov 2018 21:24

Tgt Ion: 65 Resp: 151698

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

80000

60000

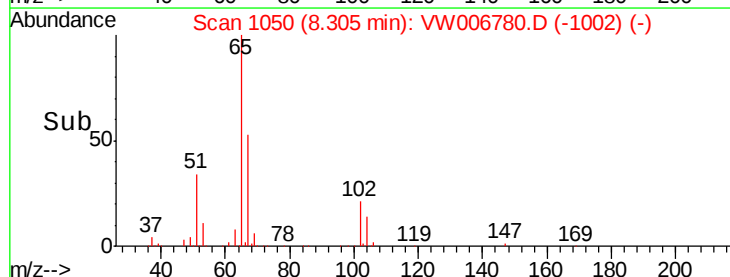
40000

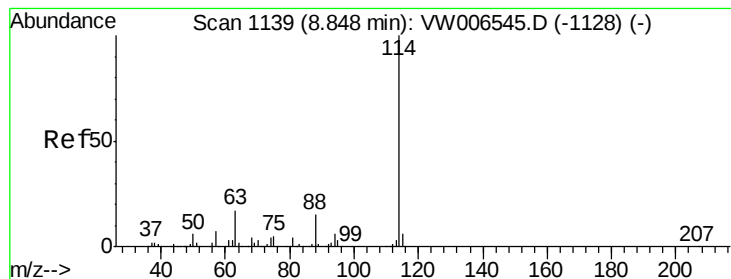
20000

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. -0.01 min

Lab File: VW006780.D

Acq: 08 Nov 2018 21:24

Instrument :

MSVOA\_W

ClientSampleId :

TS-IRE

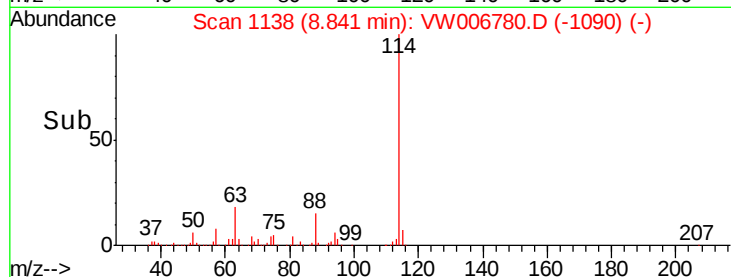
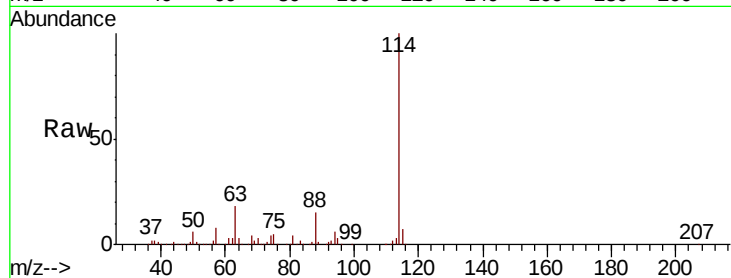
Tot Ion:114 Resp: 368940

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

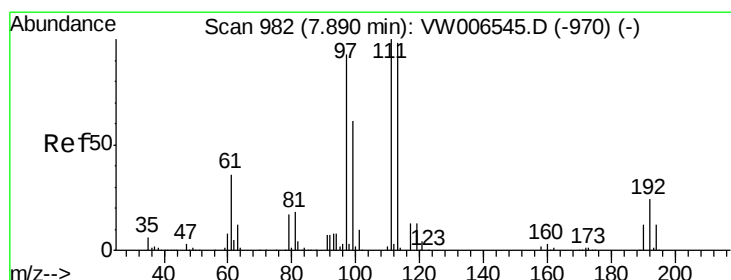
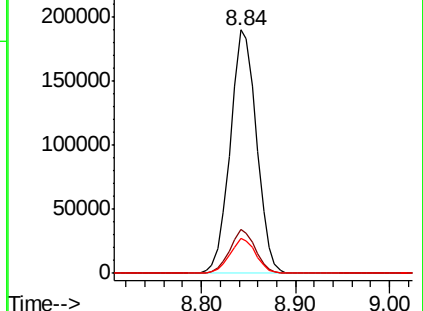
88 14.5 0.0 29.0



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: 70.641 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006780.D

Acq: 08 Nov 2018 21:24

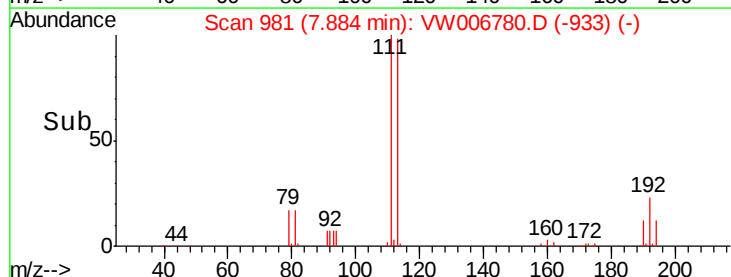
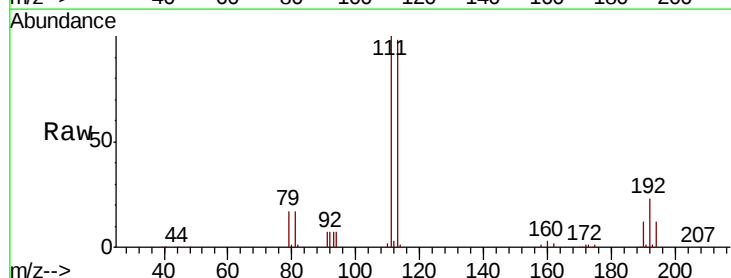
Tgt Ion:113 Resp: 163561

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

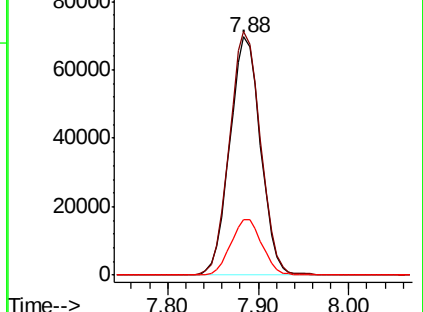
192 23.6 19.0 28.6

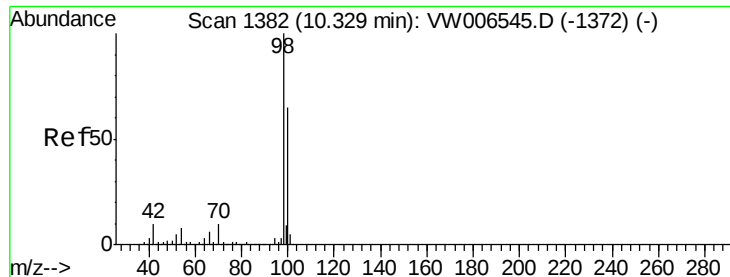


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 65.110 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006780.D

Acq: 08 Nov 2018 21:24

Instrument :

MSVOA\_W

ClientSampleId :

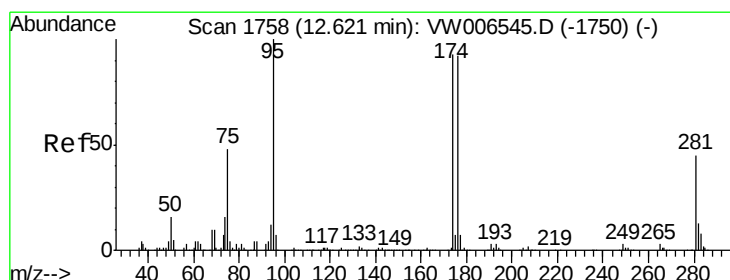
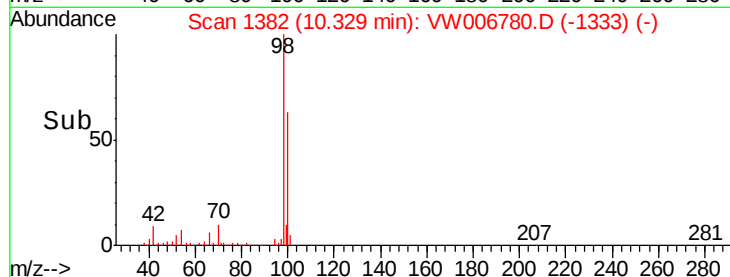
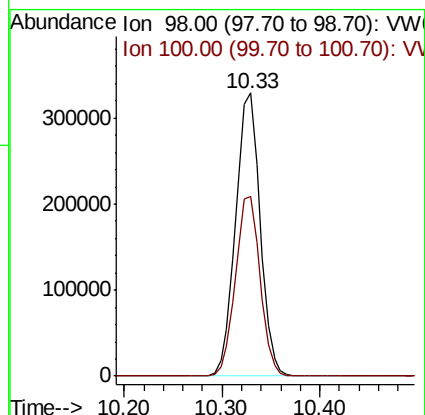
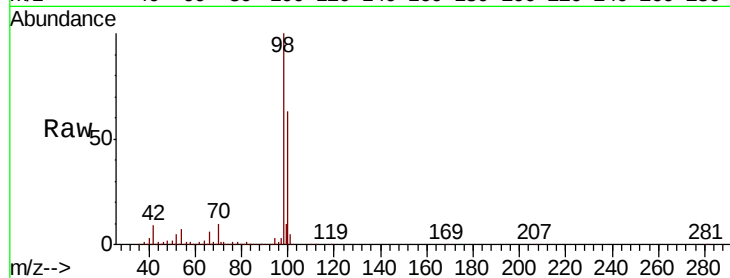
TS-IRE

Tot Ion: 98 Resp: 573901

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 54.530 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006780.D

Acq: 08 Nov 2018 21:24

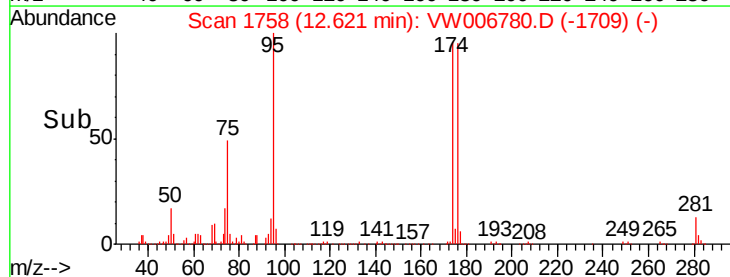
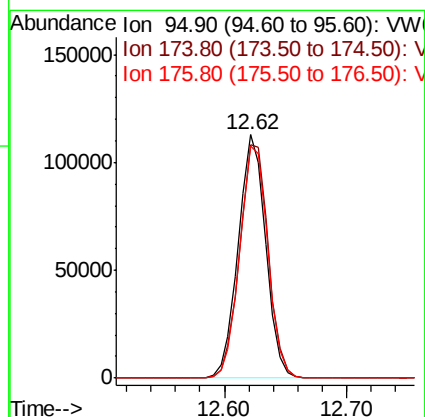
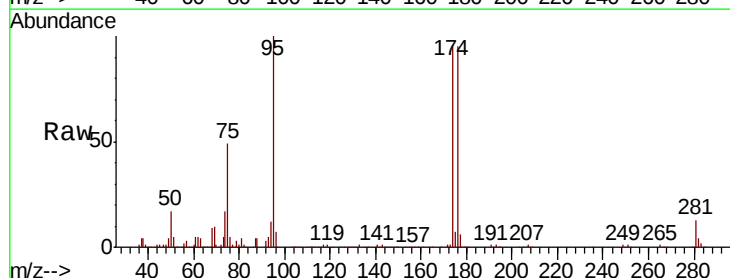
Tgt Ion: 95 Resp: 174253

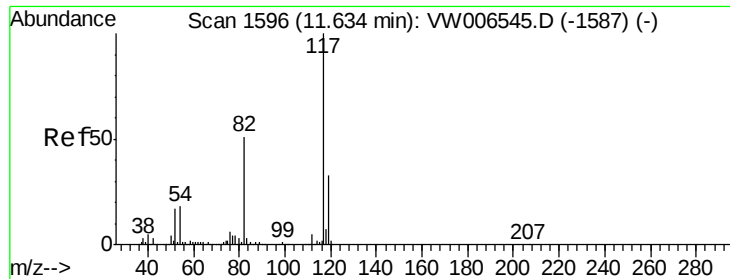
Ion Ratio Lower Upper

95 100

174 100.5 0.0 192.4

176 98.0 0.0 187.4

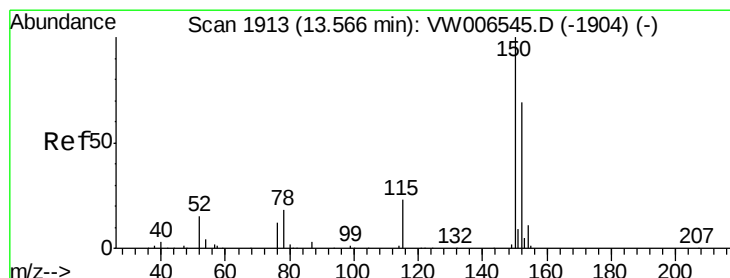
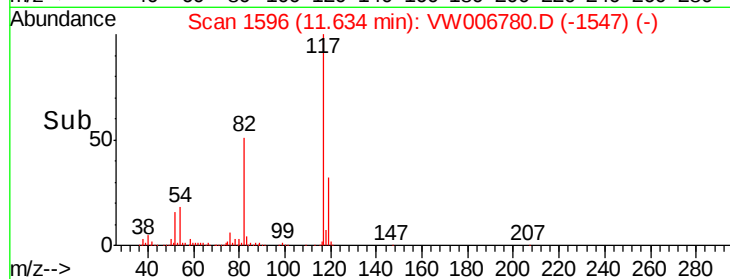
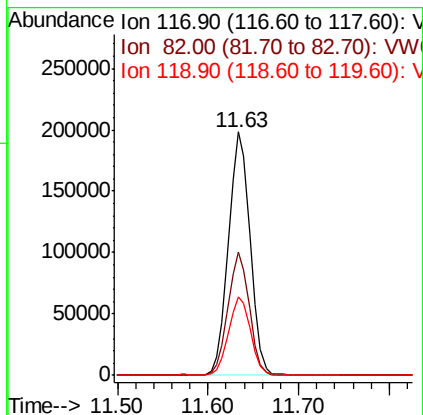
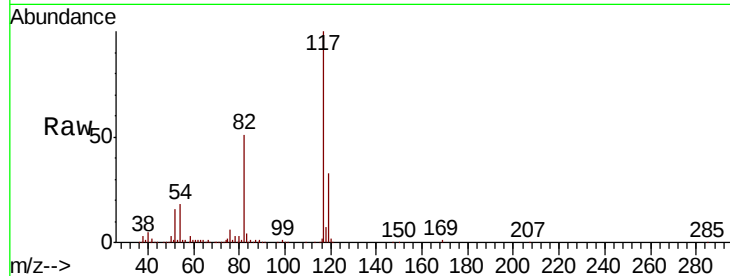




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006780.D  
Acq: 08 Nov 2018 21:24

Instrument :  
MSVOA\_W  
ClientSampleId :  
TS-IRE

Tot Ion:117 Resp: 327350  
Ion Ratio Lower Upper  
117 100  
82 50.6 40.8 61.2  
119 32.3 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006780.D  
Acq: 08 Nov 2018 21:24

Tgt Ion:152 Resp: 153139  
Ion Ratio Lower Upper  
152 100  
115 52.7 26.6 79.8  
150 154.5 0.0 344.6

