

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW110618\  
 Data File : VW006686.D  
 Acq On : 06 Nov 2018 15:16  
 Operator : SY/AP  
 Sample : J5769-02  
 Misc : 6.04G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WAGARAW-RD-1

Quant Time: Nov 13 04:58:38 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  | 259774   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 382156   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 295644   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 96208    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 109089   | 48.85 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.70% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 114278   | 47.65 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.30% |      |
| 50) Toluene-d8              | 10.33  | 98  | 384040   | 42.06 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.12% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 96761    | 29.23 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 58.46% |      |

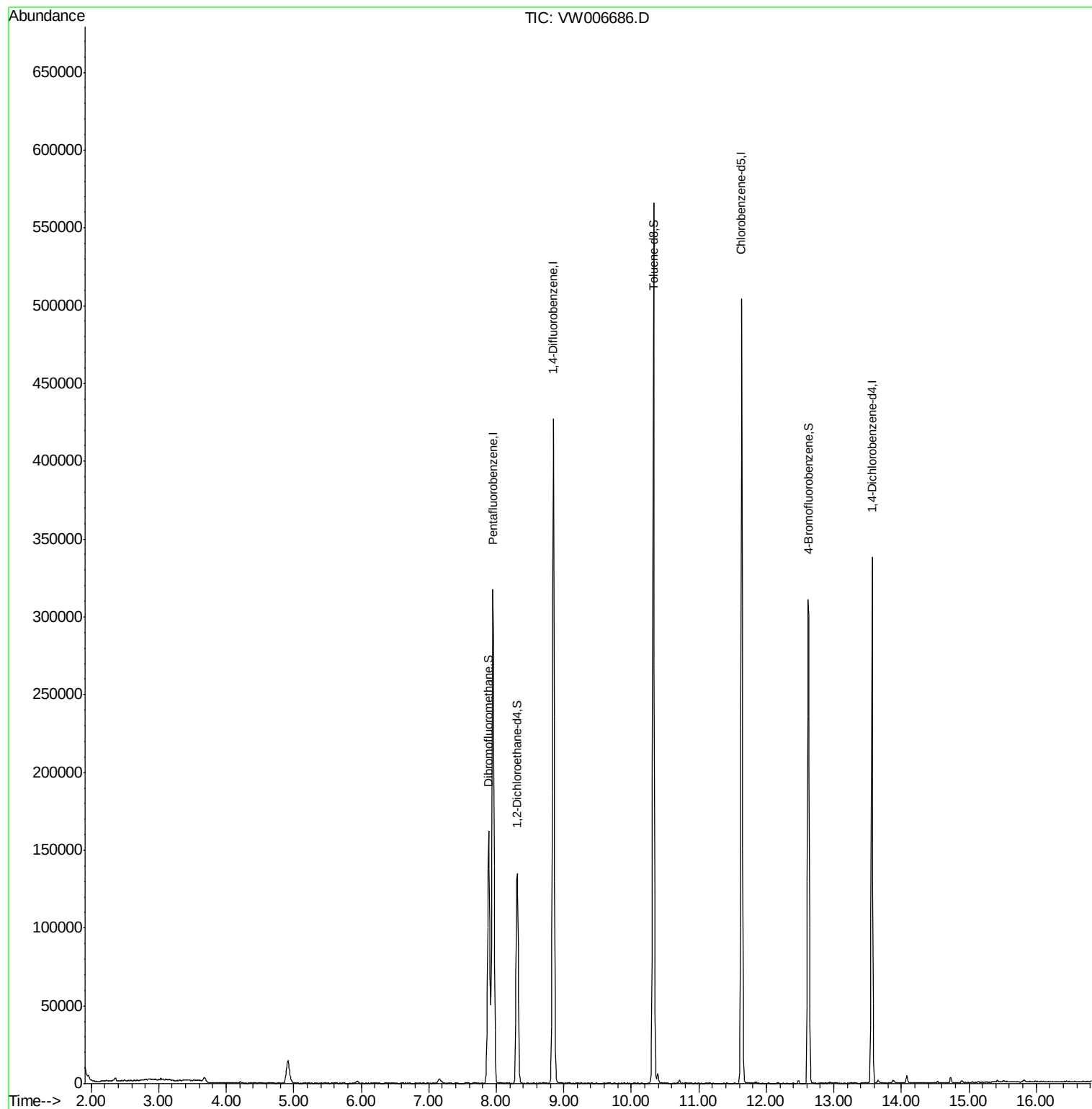
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

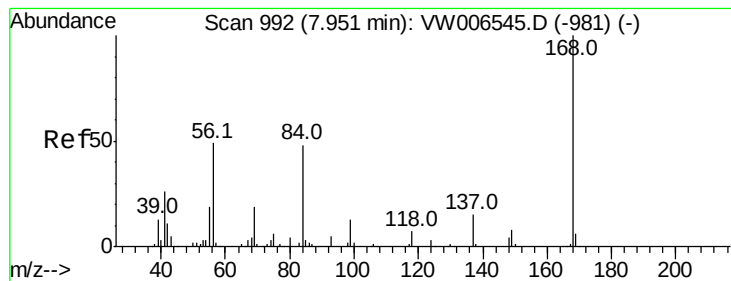
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006686.D

Acq: 06 Nov 2018 15:16

Instrument :

MSVOA\_W

ClientSampleId :

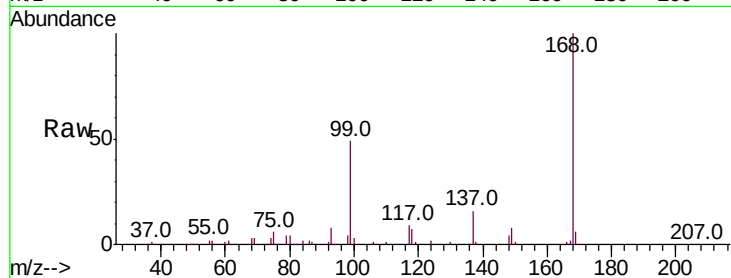
WAGARAW-RD-1

Tot Ion:168 Resp: 259774

Ion Ratio Lower Upper

168 100

99 48.5 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

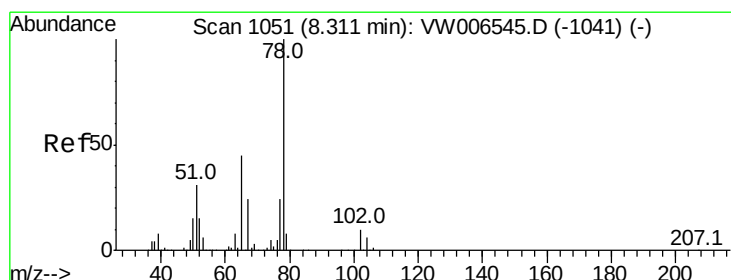
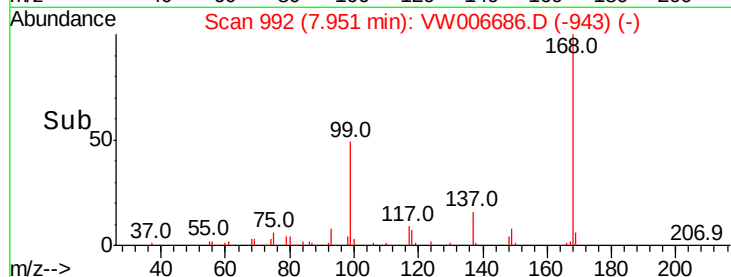
7.95

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.853 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006686.D

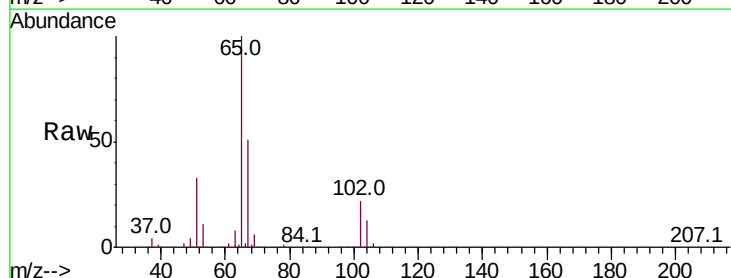
Acq: 06 Nov 2018 15:16

Tgt Ion: 65 Resp: 109089

Ion Ratio Lower Upper

65 100

67 52.3 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

60000

50000

40000

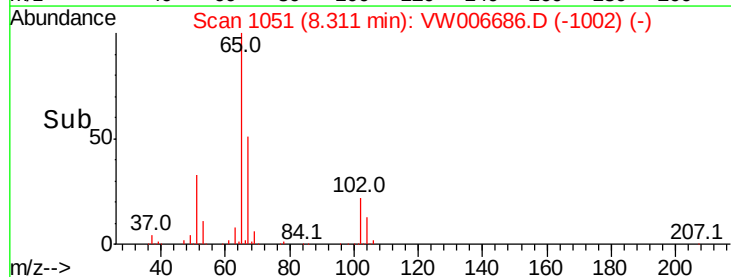
30000

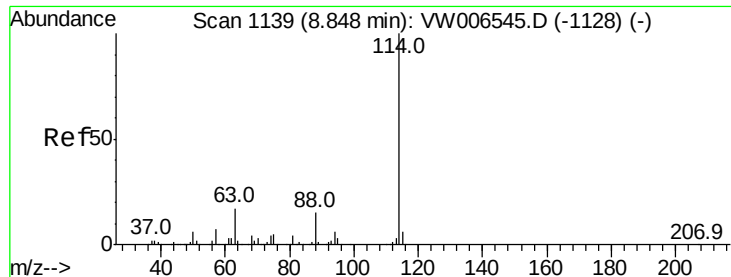
20000

10000

0

Time-->

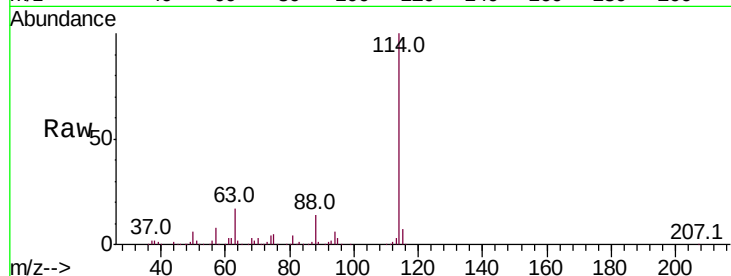




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW006686.D  
 Acq: 06 Nov 2018 15:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WAGARAW-RD-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.3  | 0.0   | 34.4  |
| 88      | 14.3  | 0.0   | 29.0  |

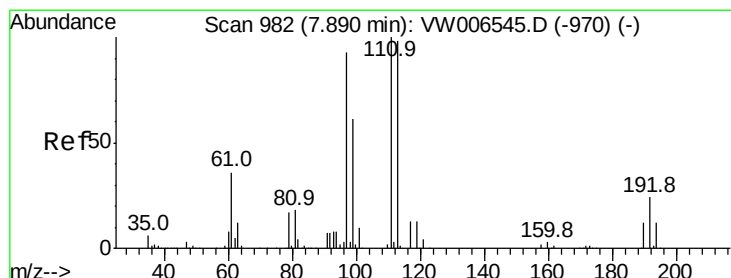
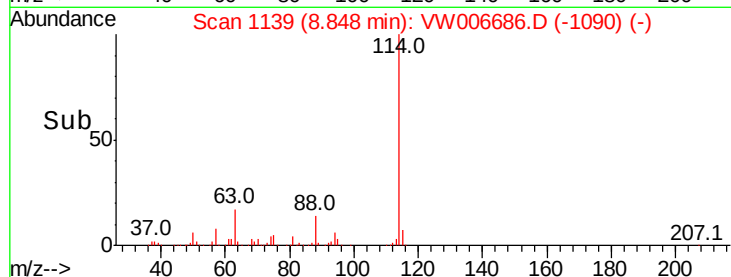
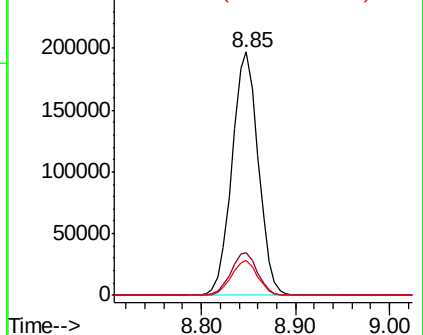


Abundance

Ion 113.90 (113.60 to 114.60): V

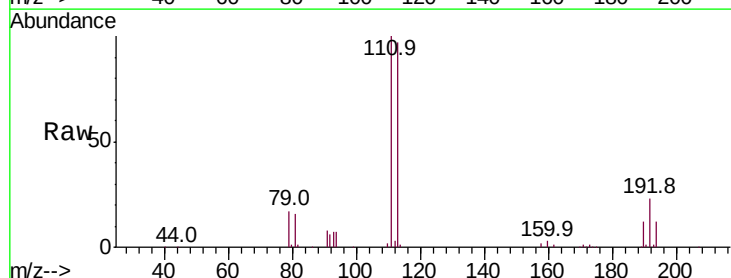
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35  
 Dibromofluoromethane  
 Concen: 47.649 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW006686.D  
 Acq: 06 Nov 2018 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.2  | 123.2 |
| 192     | 23.4  | 19.0  | 28.6  |

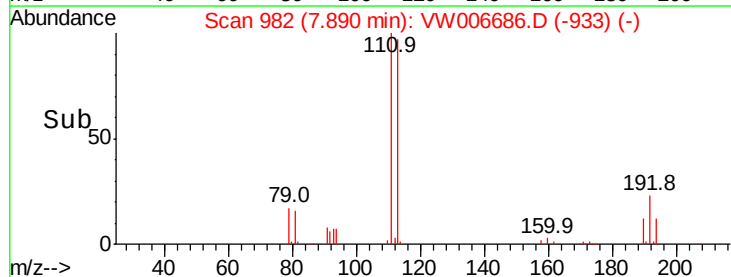
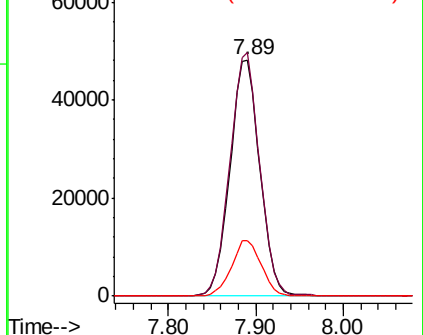


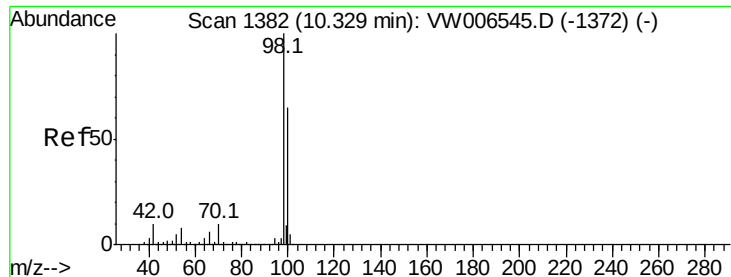
Abundance

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: 42.063 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006686.D

Acq: 06 Nov 2018 15:16

Instrument :

MSVOA\_W

ClientSampleId :

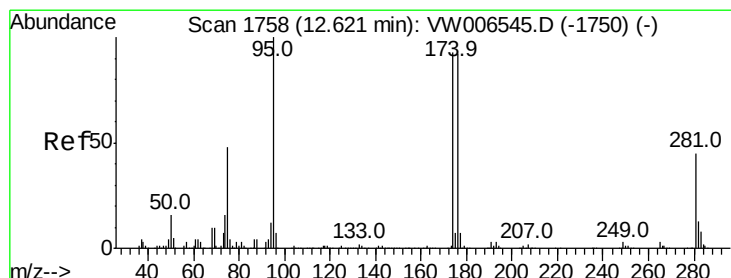
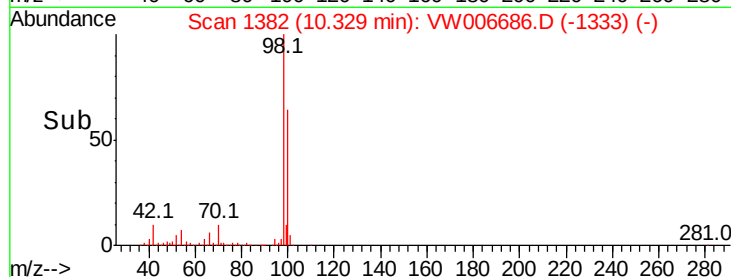
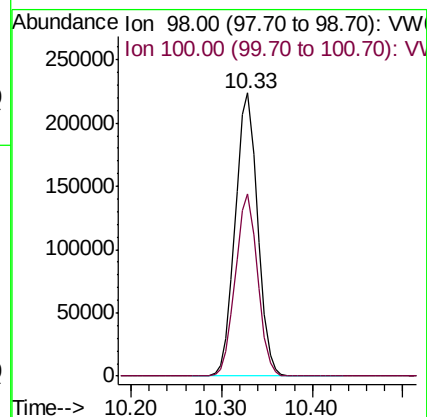
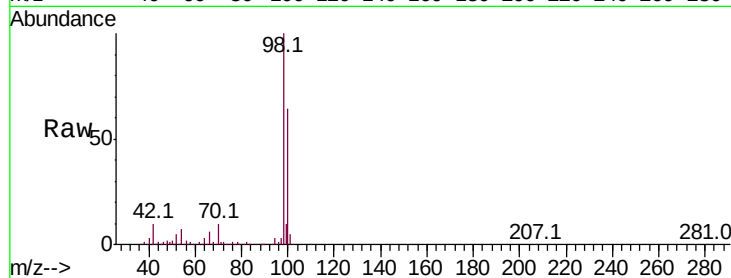
WAGARAW-RD-1

Tot Ion: 98 Resp: 384040

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 29.233 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006686.D

Acq: 06 Nov 2018 15:16

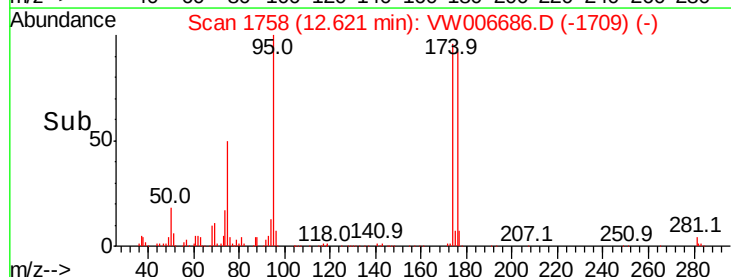
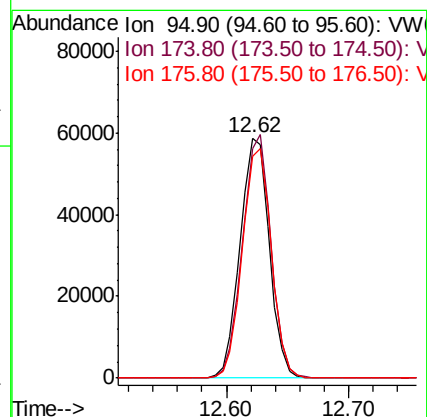
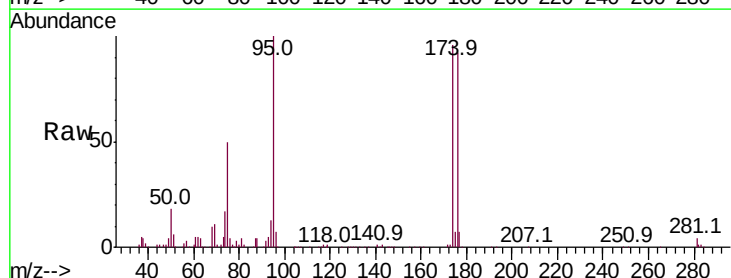
Tgt Ion: 95 Resp: 96761

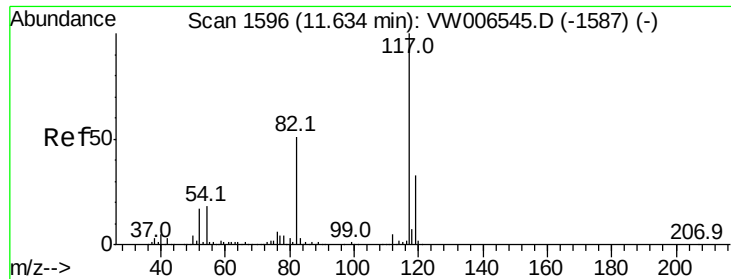
Ion Ratio Lower Upper

95 100

174 99.4 0.0 192.4

176 95.4 0.0 187.4

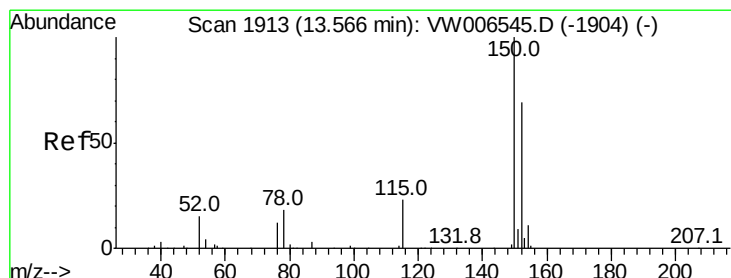
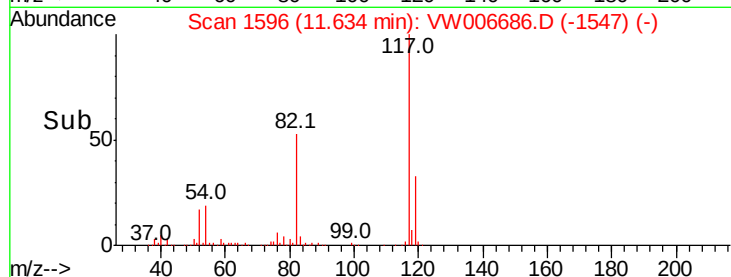
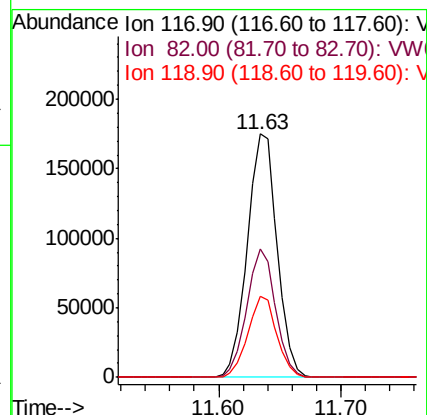
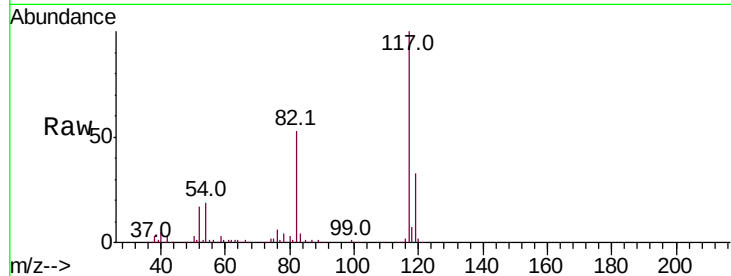




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006686.D  
Acq: 06 Nov 2018 15:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
WAGARAW-RD-1

Tot Ion:117 Resp: 295644  
Ion Ratio Lower Upper  
117 100  
82 52.8 40.8 61.2  
119 33.0 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: VW006686.D  
Acq: 06 Nov 2018 15:16

Tgt Ion:152 Resp: 96208  
Ion Ratio Lower Upper  
152 100  
115 53.8 26.6 79.8  
150 154.8 0.0 344.6

