

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\  
 Data File : VW004748.D  
 Acq On : 17 Aug 2018 22:21  
 Operator : SY/AP  
 Sample : J4282-05  
 Misc : 7.89G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SU-01-081518-A

Quant Time: Aug 18 03:08:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081918S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 18 01:49:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 649125   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 1089658  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 973830   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 411543   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 325521   | 51.87 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.74% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 320352   | 46.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.00%  |      |
| 50) Toluene-d8              | 10.33  | 98  | 1106933  | 40.72 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 81.44%  |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 344773   | 35.25 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 70.50%  |      |

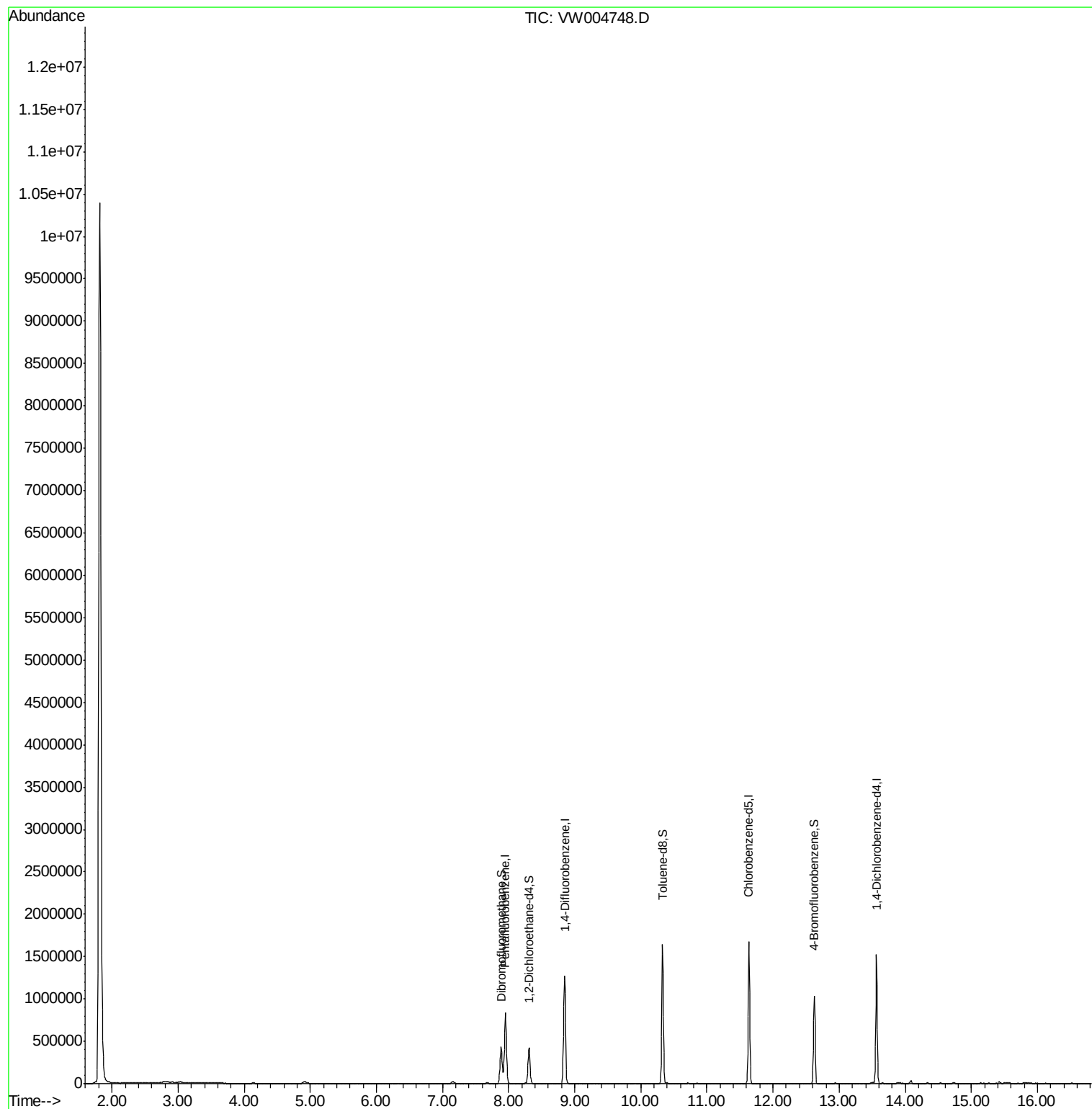
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

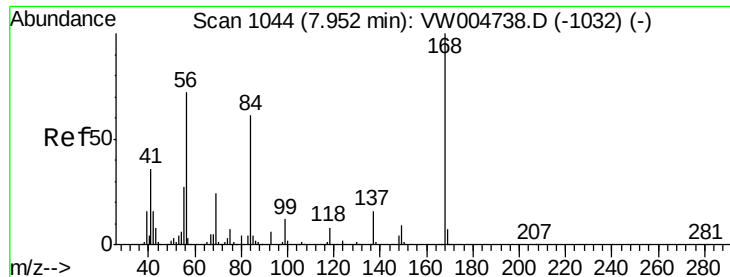
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-01-081518-A

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Quant Title : SW846 8260  
QLast Update : Sat Aug 18 01:49:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA\_W

ClientSampleId :

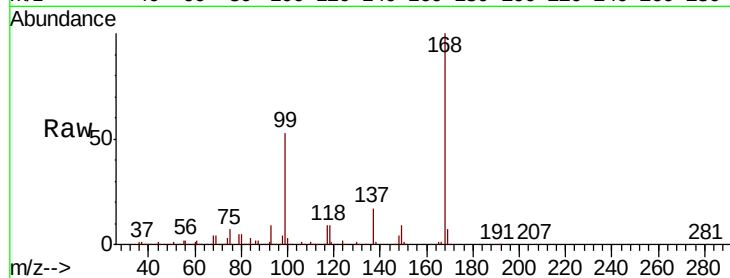
SU-01-081518-A

Tot Ion:168 Resp: 649125

Ion Ratio Lower Upper

168 100

99 53.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

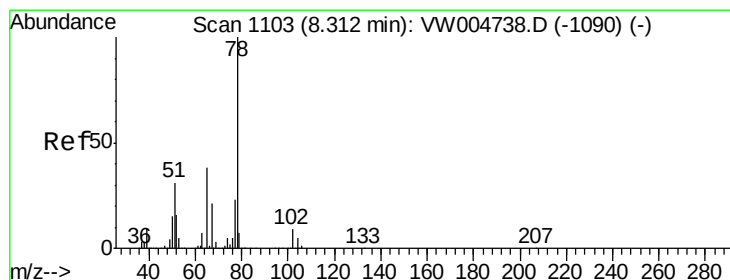
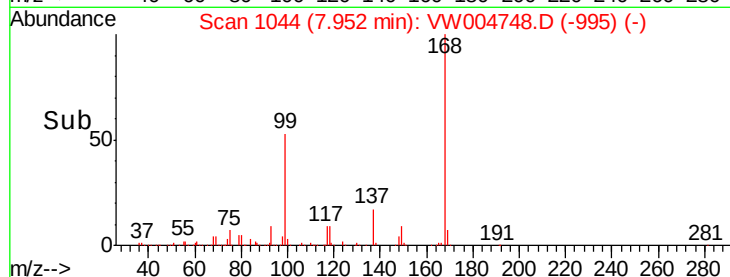
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.87 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004748.D

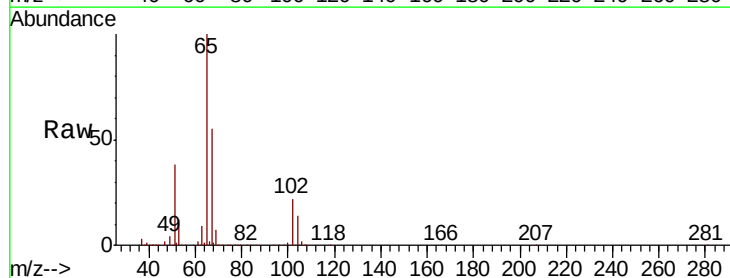
Acq: 17 Aug 2018 22:21

Tgt Ion: 65 Resp: 325521

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

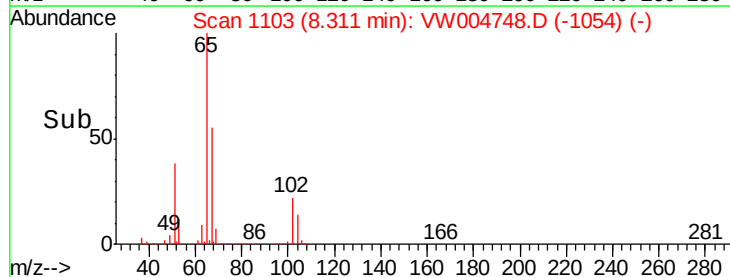
150000

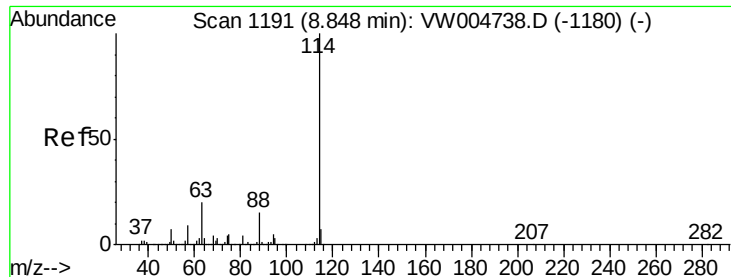
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA\_W

ClientSampleId :

SU-01-081518-A

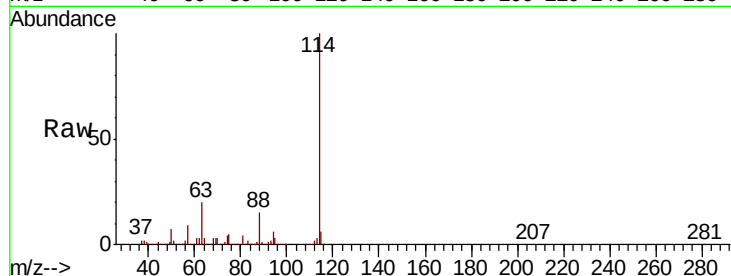
Tot Ion:114 Resp: 1089658

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

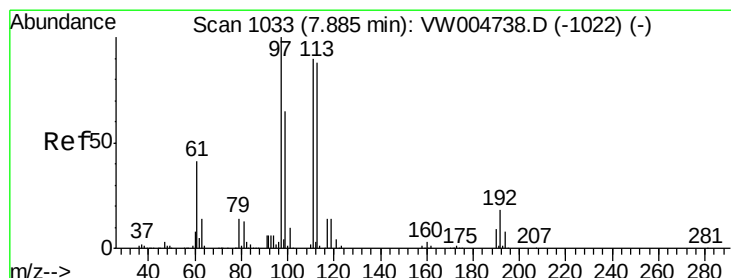
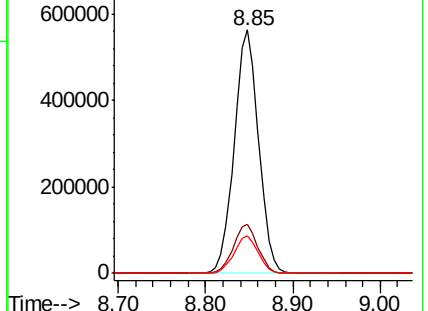
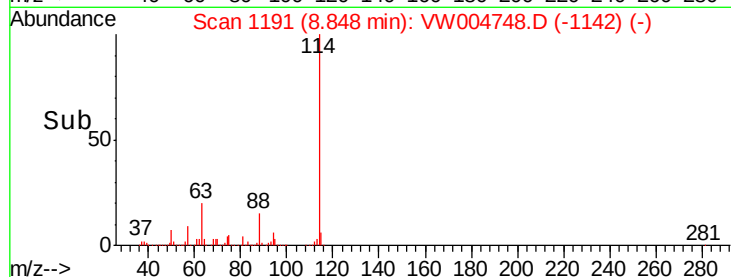
88 15.3 0.0 30.0



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: 46.00 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

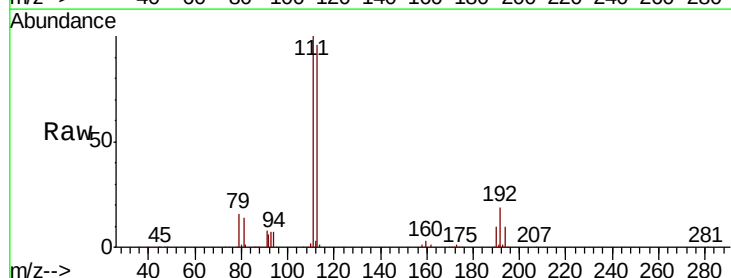
Tgt Ion:113 Resp: 320352

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

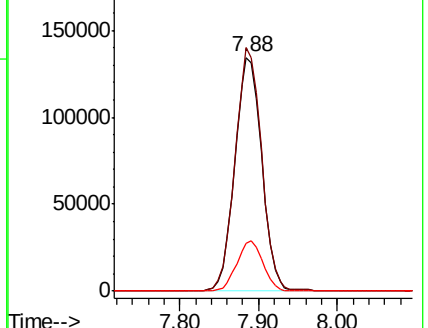
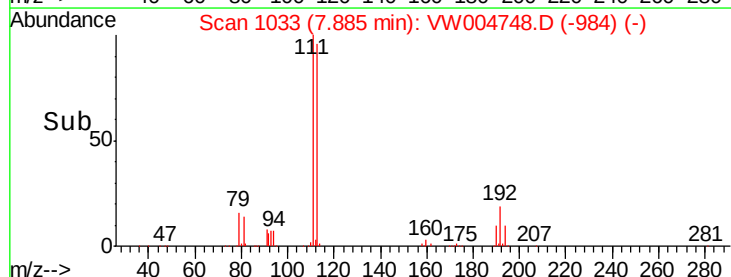
192 20.8 16.7 25.1

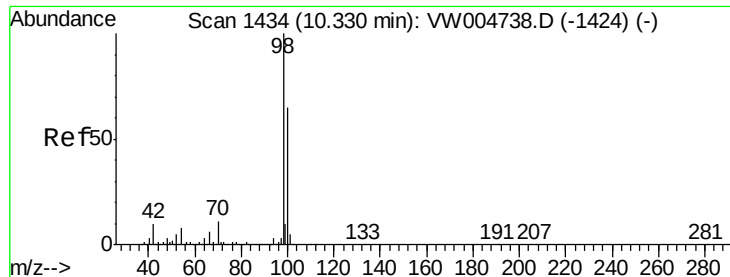


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 40.72 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

Instrument :

MSVOA\_W

ClientSampleId :

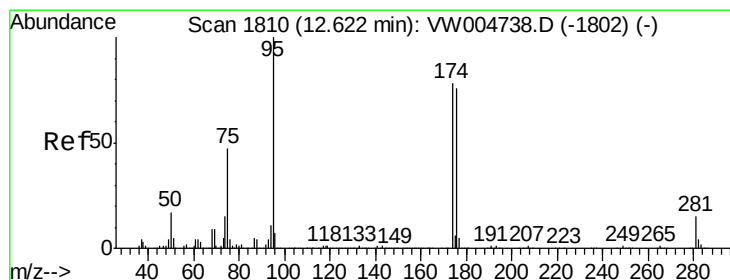
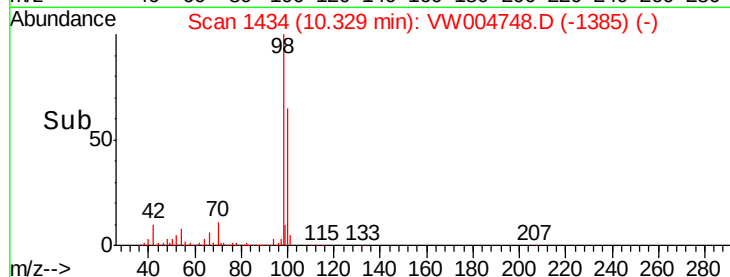
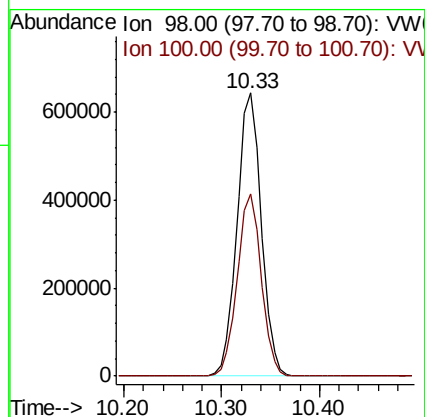
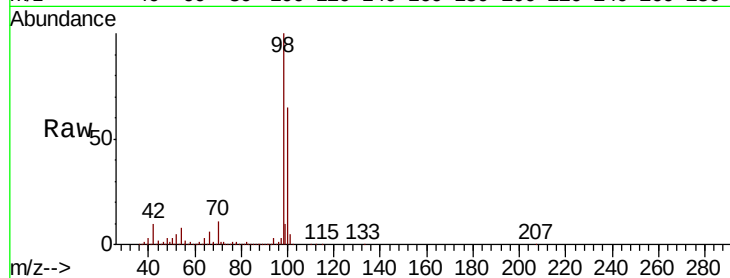
SU-01-081518-A

Tot Ion: 98 Resp: 1106933

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 35.25 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004748.D

Acq: 17 Aug 2018 22:21

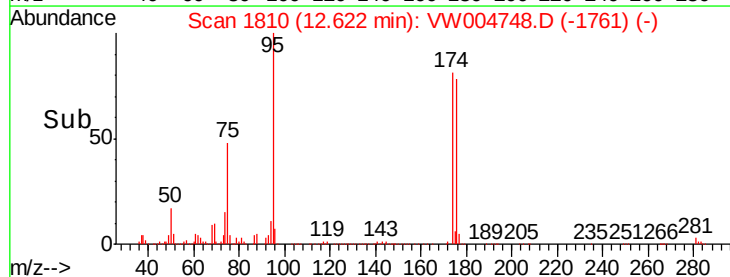
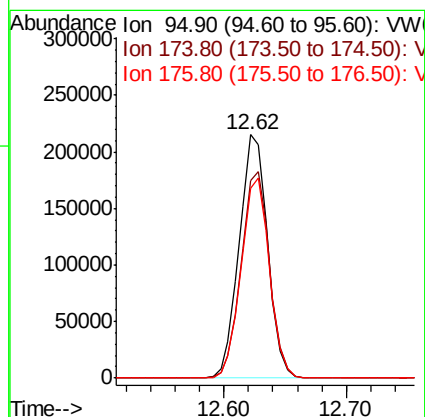
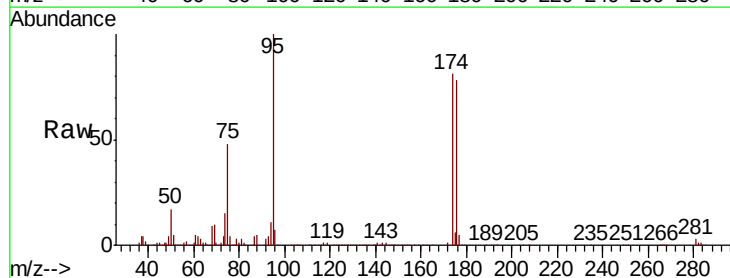
Tgt Ion: 95 Resp: 344773

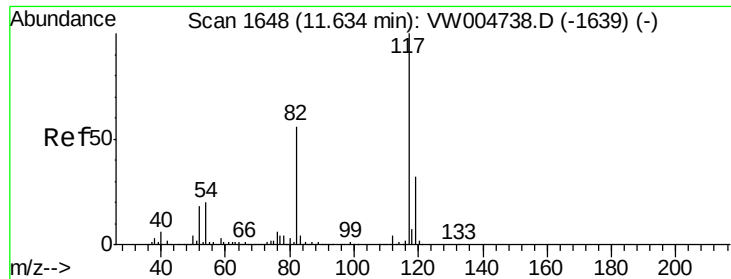
Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

176 82.0 0.0 159.8

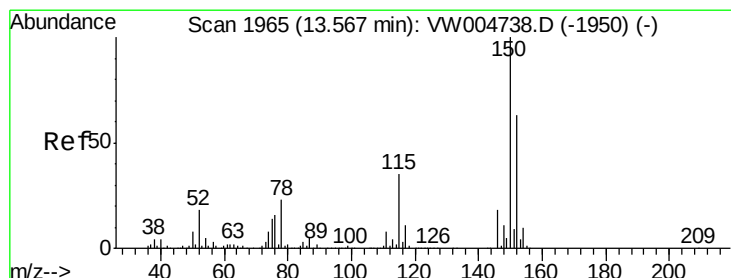
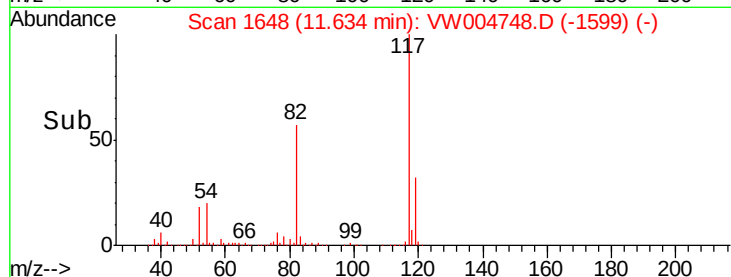
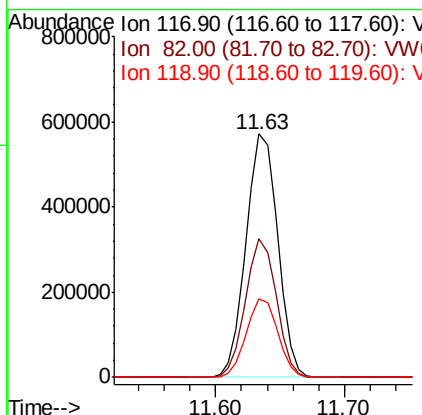
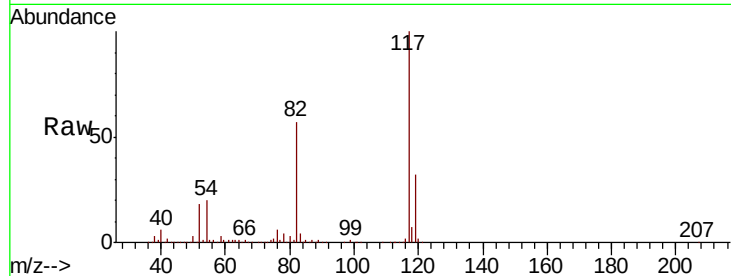




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW004748.D  
Acq: 17 Aug 2018 22:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
SU-01-081518-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.7  | 44.6  | 67.0  |
| 119     | 32.3  | 25.6  | 38.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW004748.D  
Acq: 17 Aug 2018 22:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.3  | 28.5  | 85.5  |
| 150     | 157.2 | 0.0   | 344.8 |

