

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW062919\  
 Data File : VW011056.D  
 Acq On : 28 Jun 2019 12:59  
 Operator : SY/VA  
 Sample : K3552-06  
 Misc : 5.08G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 M-3A

Quant Time: Jul 06 05:45:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W062819S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 28 01:55:46 2019  
 Response via : Initial Calibration

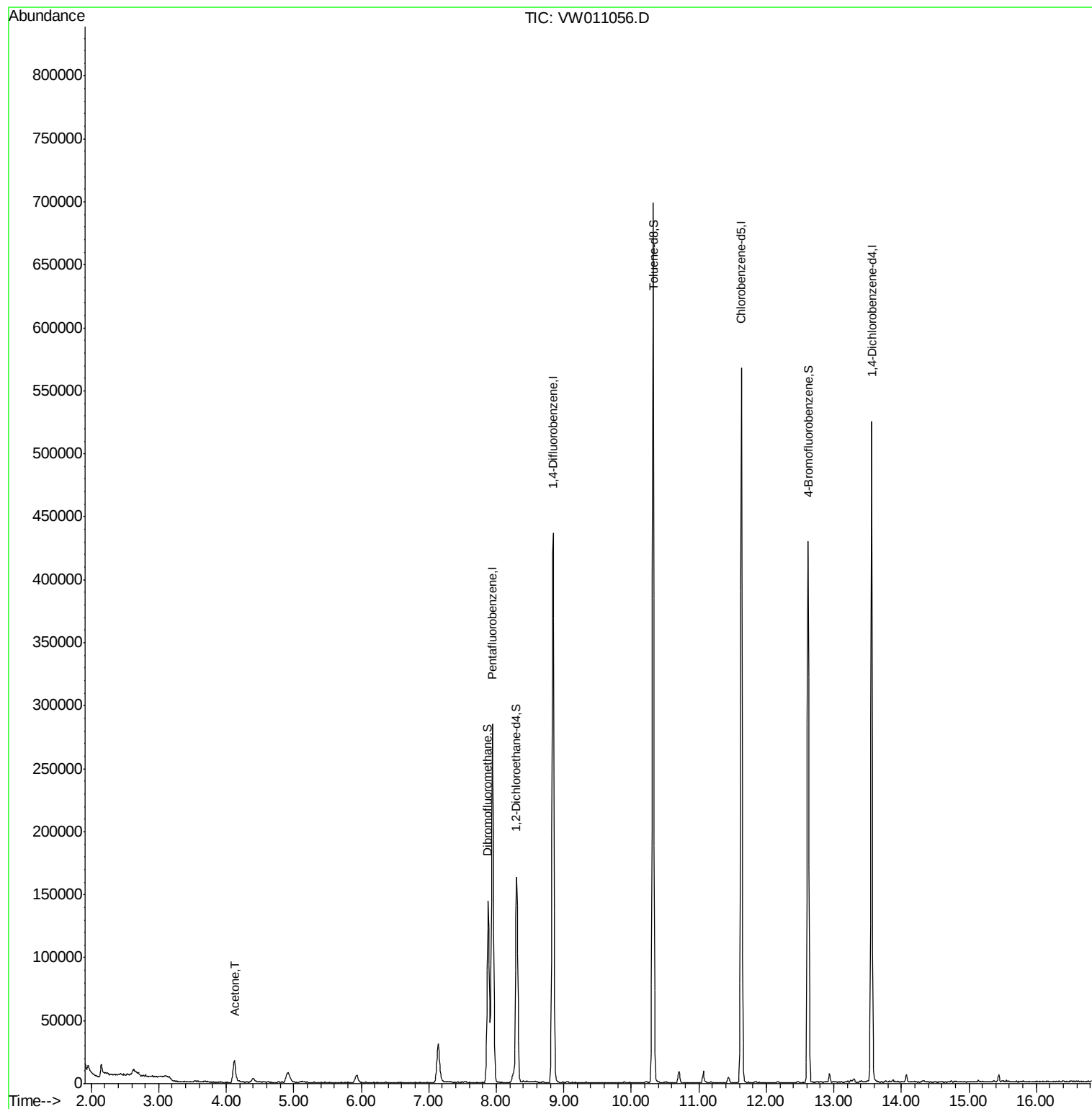
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 201450   | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 341507   | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 287876   | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 121954   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 131619   | 49.98  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.96% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 102530   | 49.17  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.34% |           |
| 50) Toluene-d8              | 10.32 | 98   | 426312   | 49.66  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.32% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 138895   | 44.24  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.48% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 4.12  | 43   | 32616    | 50.739 | ug/l   | Qvalue 98 |

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Acq: 28 Jun 2019 12:59

Instrument :

MSVOA\_W

ClientSampleId :

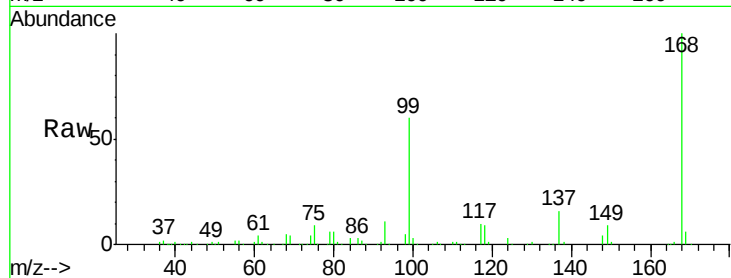
M-3A

Tot Ion:168 Resp: 201450

Ion Ratio Lower Upper

168 100

99 59.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

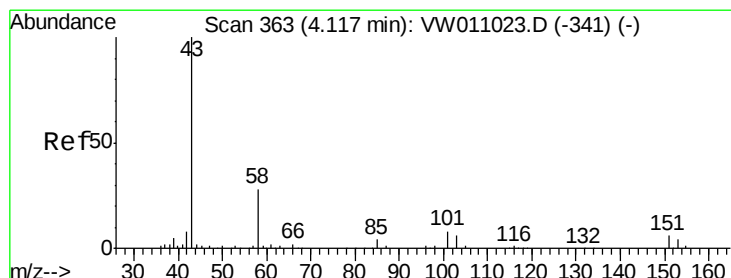
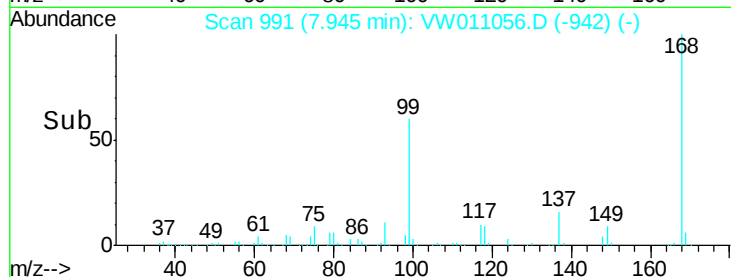
40000

20000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 50.739 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011056.D

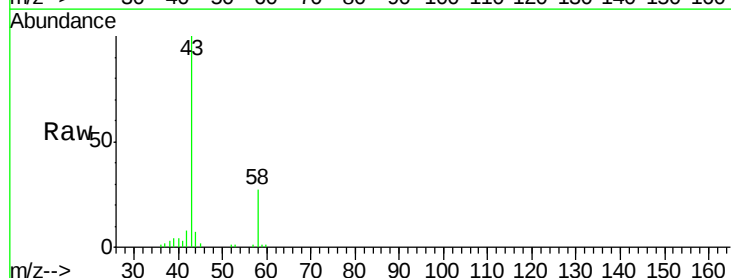
Acq: 28 Jun 2019 12:59

Tgt Ion: 43 Resp: 32616

Ion Ratio Lower Upper

43 100

58 27.1 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

12000

10000

8000

6000

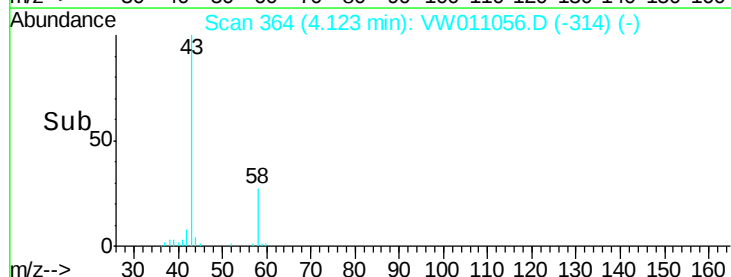
4000

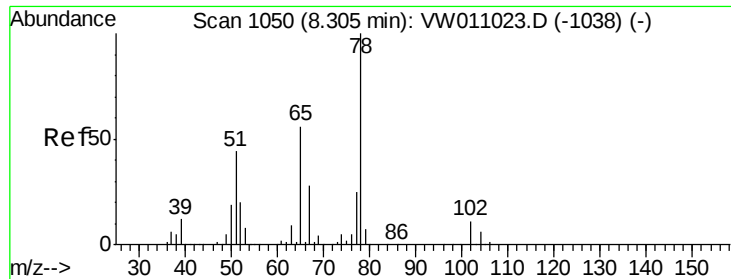
2000

0

Time-->

4.00 4.10 4.20





#33

1,2-Dichloroethane-d4

Concen: 49.979 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011056.D

Acq: 28 Jun 2019 12:59

Instrument :

MSVOA\_W

ClientSampleId :

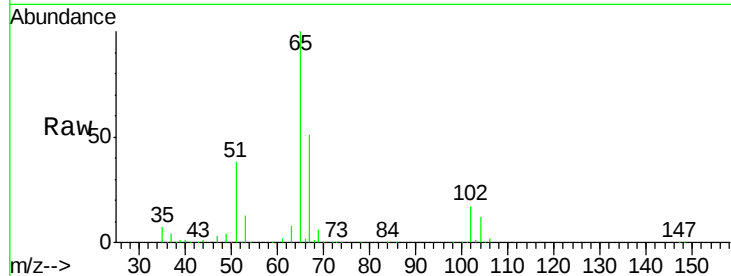
M-3A

Tot Ion: 65 Resp: 131619

Ion Ratio Lower Upper

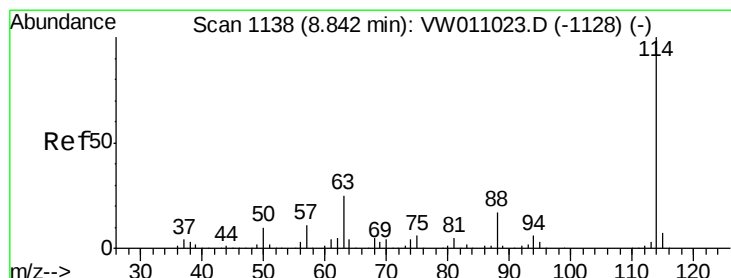
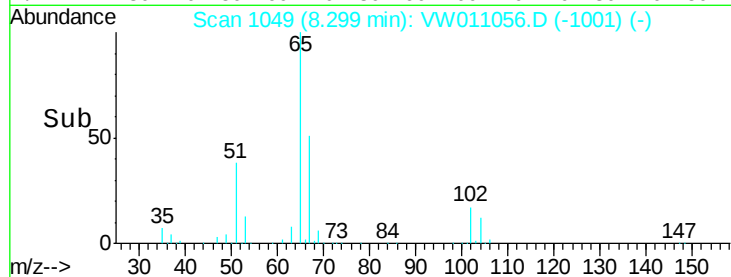
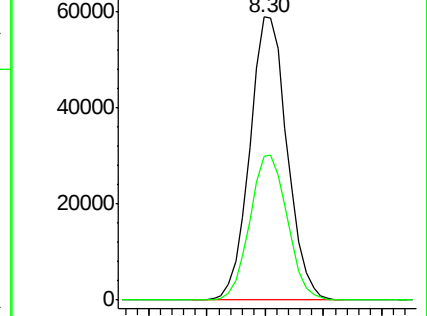
65 100

67 51.7 0.0 102.4



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. -0.00 min

Lab File: VW011056.D

Acq: 28 Jun 2019 12:59

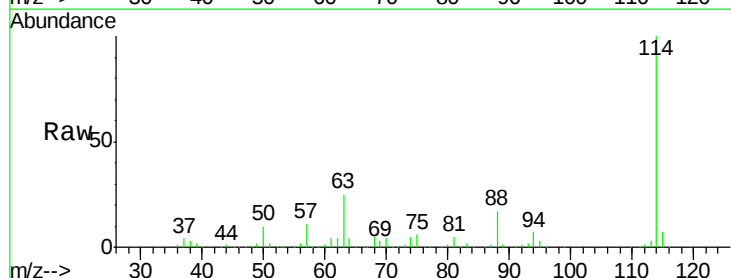
Tgt Ion: 114 Resp: 341507

Ion Ratio Lower Upper

114 100

63 25.0 0.0 50.6

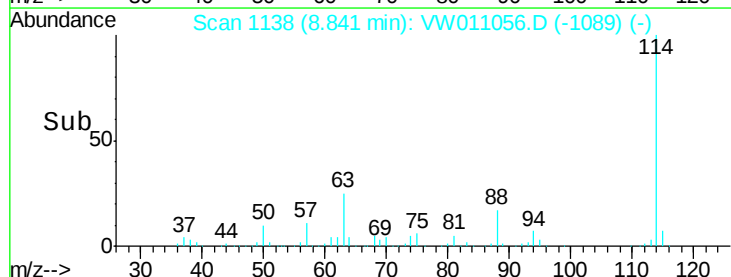
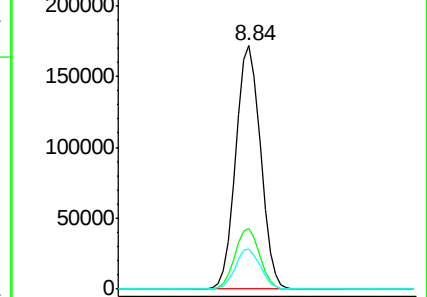
88 16.7 0.0 34.0

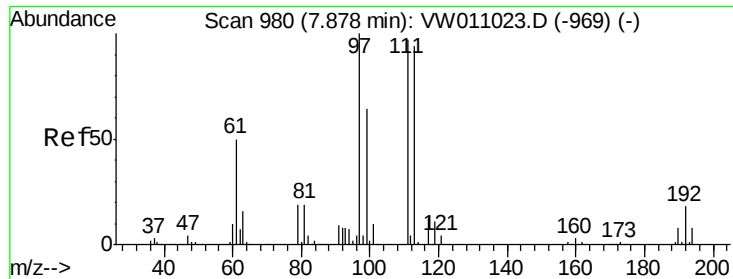


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

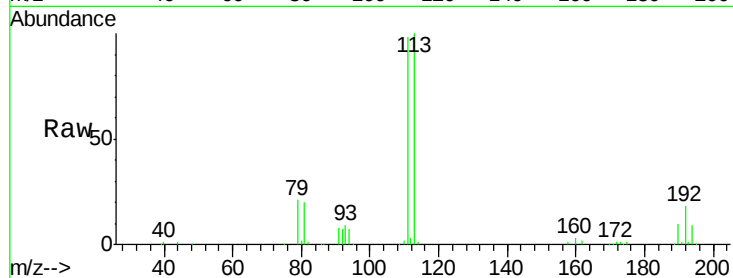




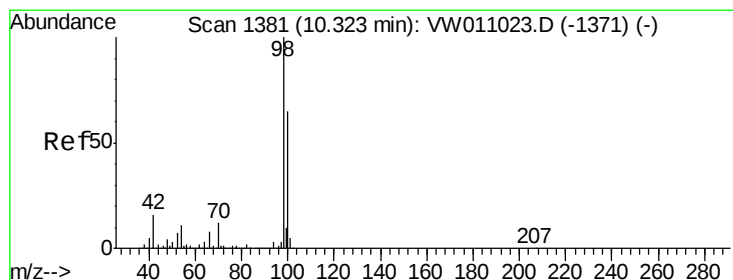
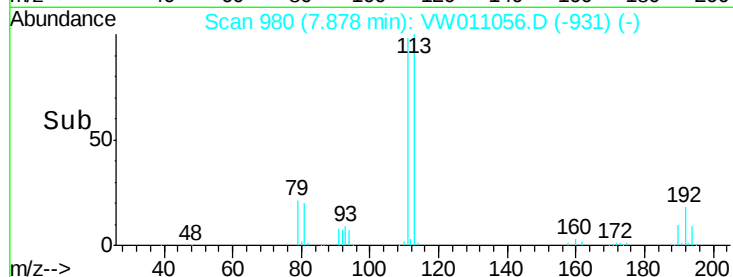
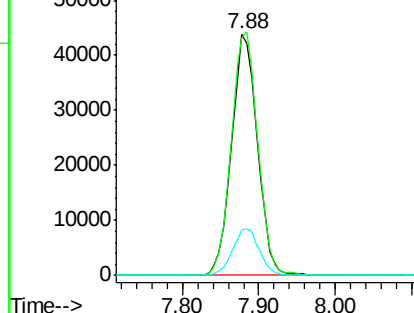
#35  
 Dibromofluoromethane  
 Concen: 49.166 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW011056.D  
 Acq: 28 Jun 2019 12:59

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 M-3A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 83.8  | 125.6 |
| 192     | 19.6  | 16.0  | 24.0  |

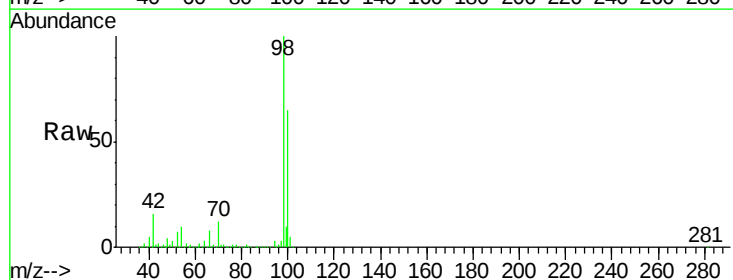


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

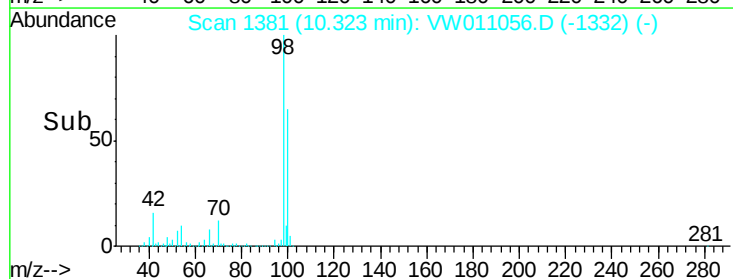
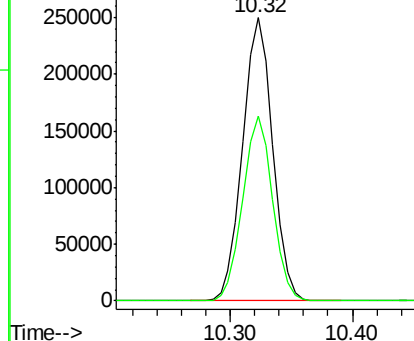


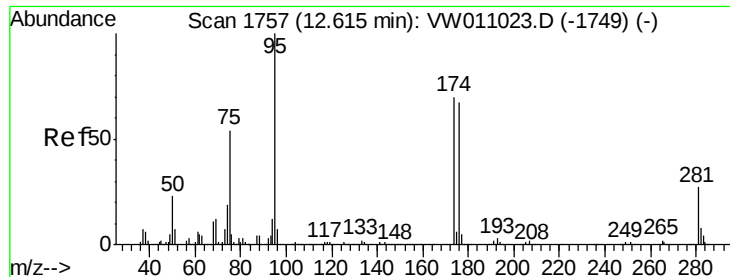
#50  
 Toluene-d8  
 Concen: 49.664 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW011056.D  
 Acq: 28 Jun 2019 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.0  | 52.3  | 78.5  |



Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.240 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011056.D

Acq: 28 Jun 2019 12:59

Instrument :

MSVOA\_W

ClientSampled :

M-3A

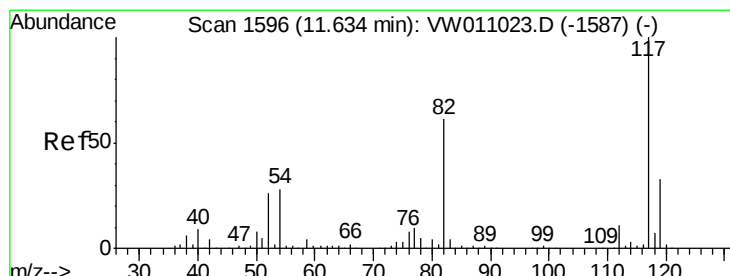
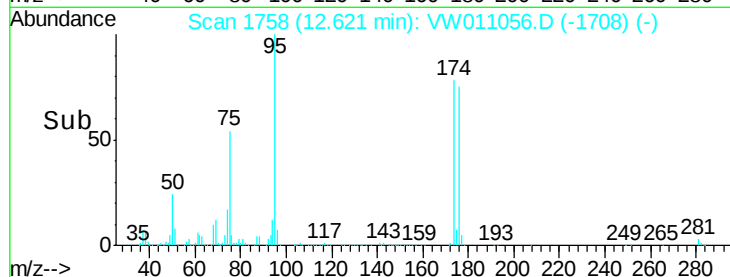
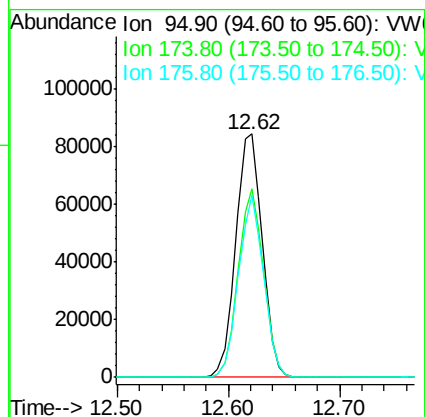
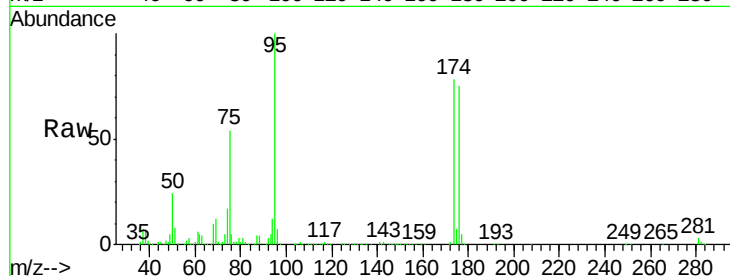
Tot Ion: 95 Resp: 138895

Ion Ratio Lower Upper

95 100

174 74.4 0.0 149.2

176 70.9 0.0 143.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011056.D

Acq: 28 Jun 2019 12:59

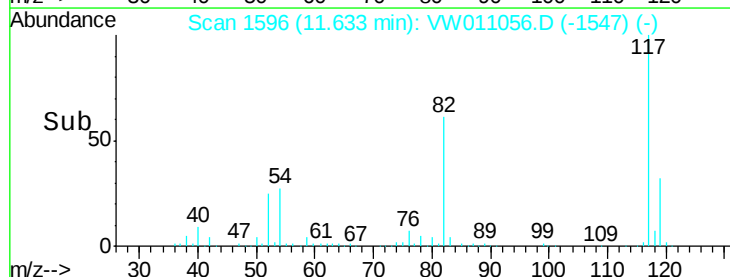
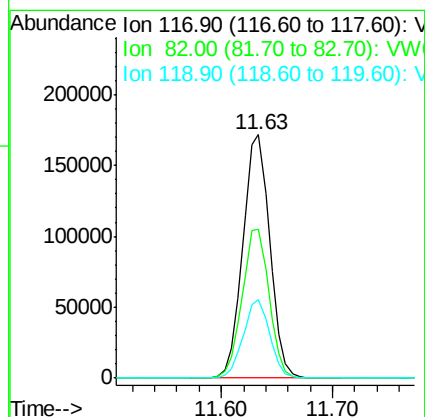
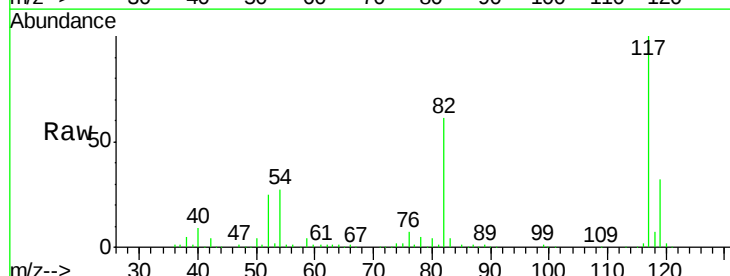
Tgt Ion: 117 Resp: 287876

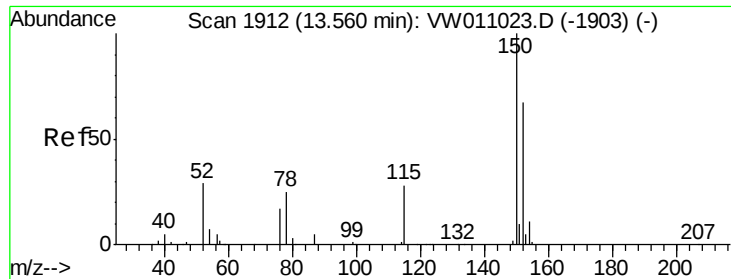
Ion Ratio Lower Upper

117 100

82 60.9 48.6 73.0

119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011056.D

Acq: 28 Jun 2019 12:59

Instrument :

MSVOA\_W

ClientSampleId :

M-3A

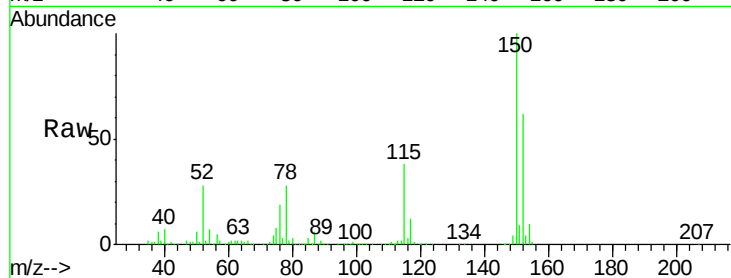
Tot Ion:152 Resp: 121954

Ion Ratio Lower Upper

152 100

115 61.8 30.7 92.1

150 159.5 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

