

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\  
 Data File : VW011096.D  
 Acq On : 01 Jul 2019 20:15  
 Operator : SY/VA  
 Sample : K3158-09RE  
 Misc : 6.14G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OK-01-062819RE

Quant Time: Jul 02 09:25:57 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

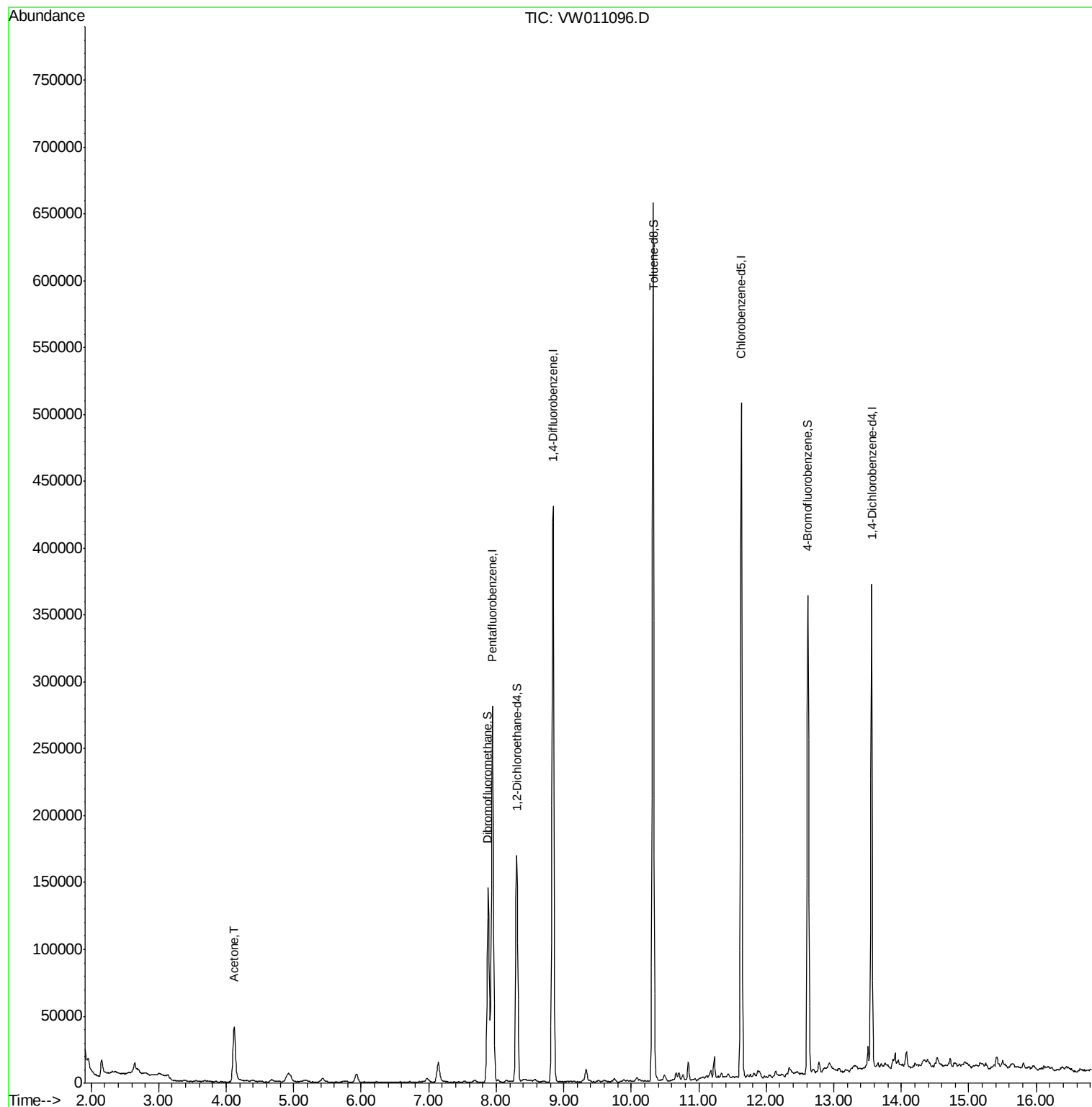
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|---------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 196182   | 50.00   | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 340017   | 50.00   | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 262626   | 50.00   | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 85636    | 50.00   | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |         |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 135836   | 52.97   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 105.94% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 102863   | 49.54   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.08%  |           |
| 50) Toluene-d8              | 10.32 | 98   | 405664   | 47.47   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.94%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 116922   | 37.40   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =       | 74.80%  |           |
| Target Compounds            |       |      |          |         |         |           |
| 16) Acetone                 | 4.12  | 43   | 75672    | 120.880 | ug/l    | Qvalue 98 |

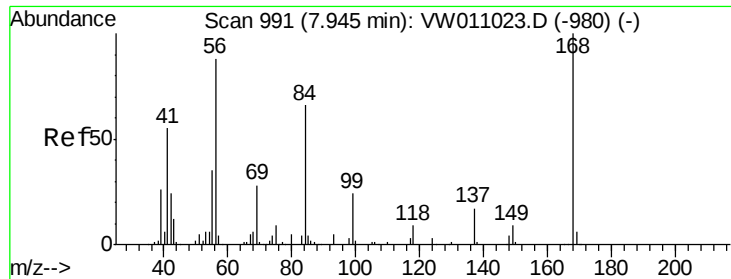
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jun 28 01:55:46 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: VW011096.D

Acq: 01 Jul 2019 20:15

Instrument :

MSVOA\_W

ClientSampleId :

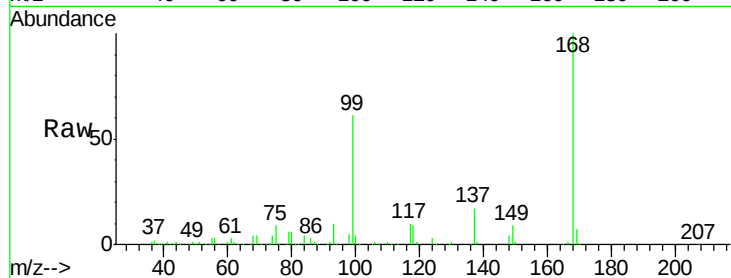
OK-01-062819RE

Tot Ion:168 Resp: 196182

Ion Ratio Lower Upper

168 100

99 61.3 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

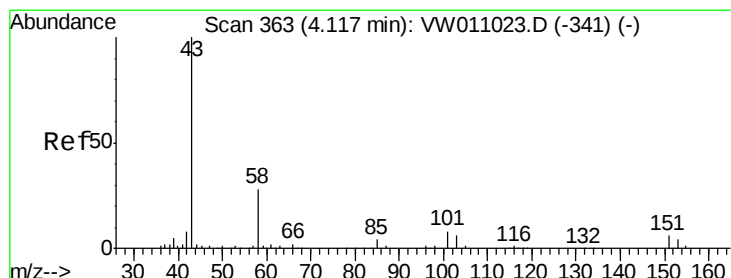
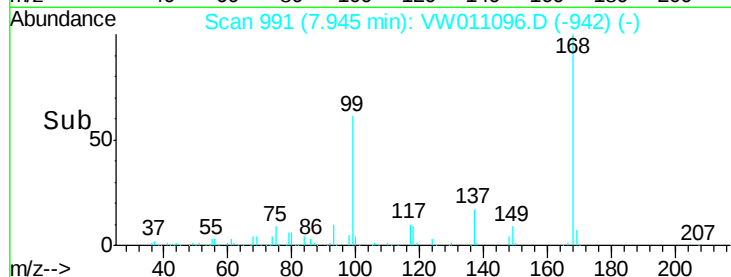
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 120.880 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011096.D

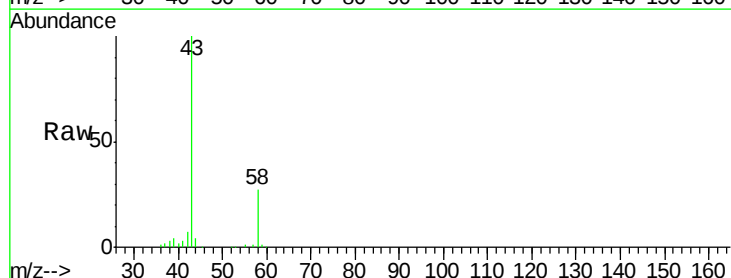
Acq: 01 Jul 2019 20:15

Tgt Ion: 43 Resp: 75672

Ion Ratio Lower Upper

43 100

58 27.3 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

30000

25000

20000

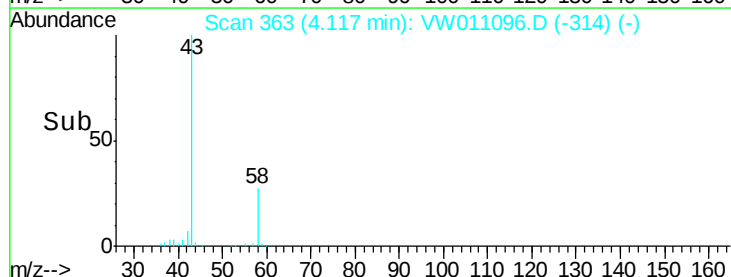
15000

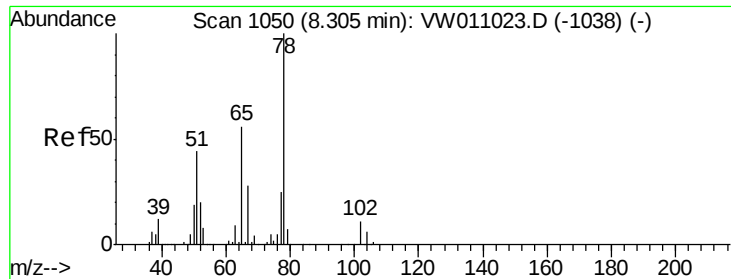
10000

5000

0

Time-->

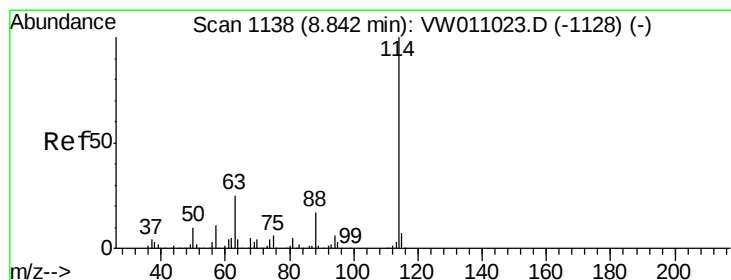
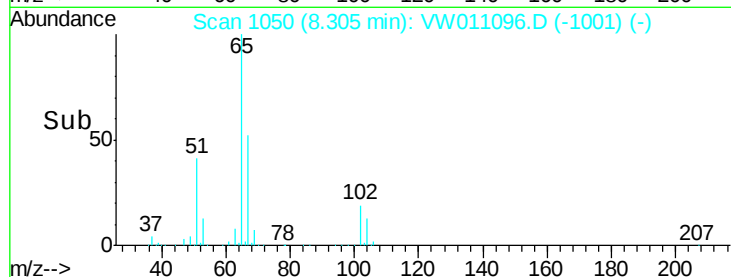
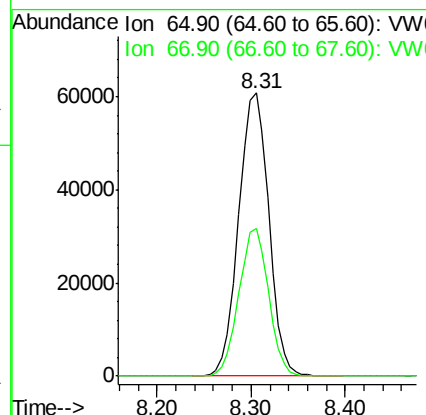
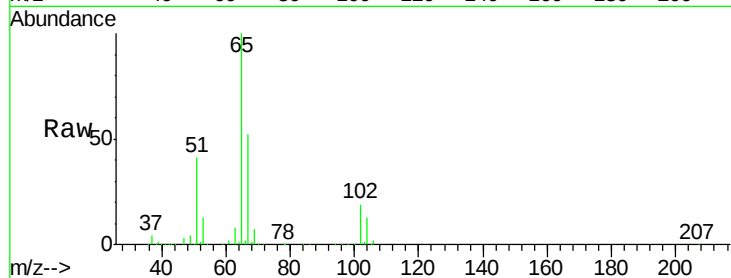




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.965 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW011096.D  
 Acq: 01 Jul 2019 20:15

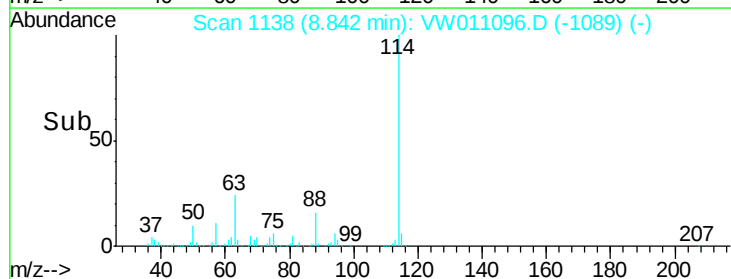
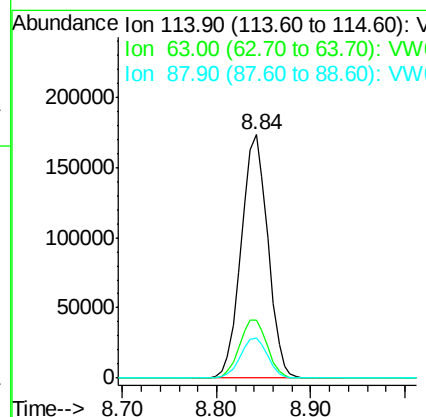
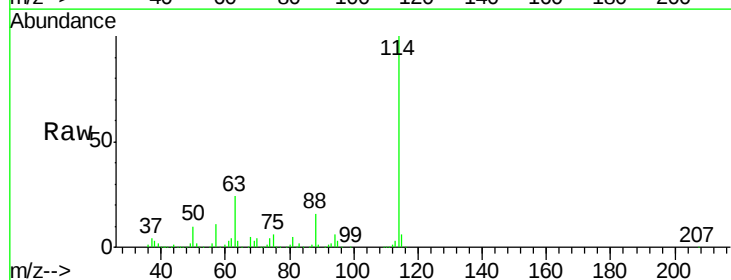
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OK-01-062819RE

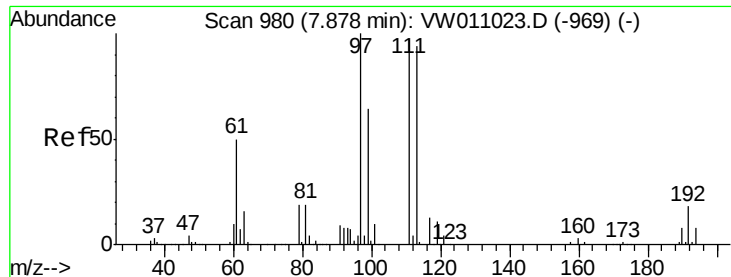
Tot Ion: 65 Resp: 135836  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW011096.D  
 Acq: 01 Jul 2019 20:15

Tgt Ion: 114 Resp: 340017  
 Ion Ratio Lower Upper  
 114 100  
 63 24.0 0.0 50.6  
 88 16.4 0.0 34.0

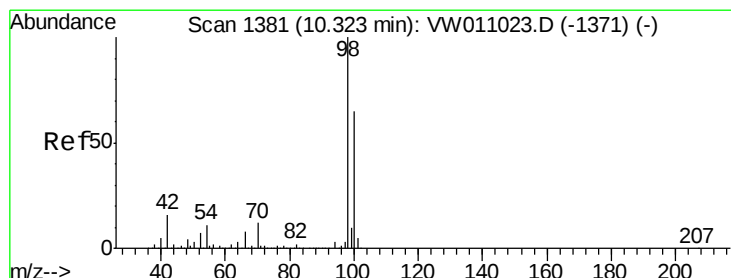
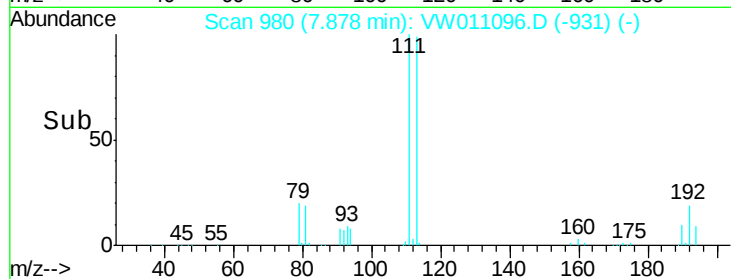
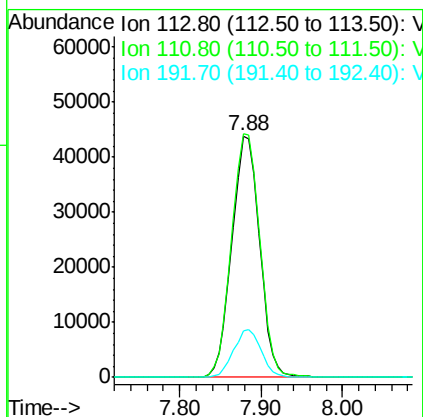
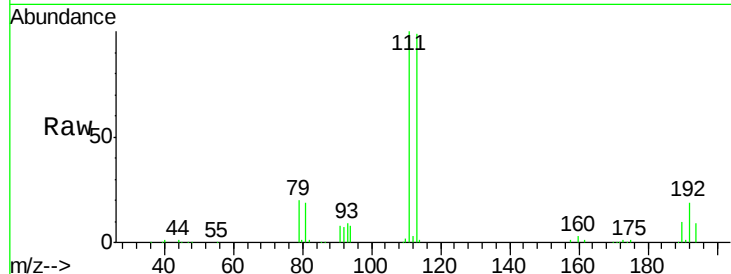




#35  
 Dibromofluoromethane  
 Concen: 49.542 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: VW011096.D  
 Acq: 01 Jul 2019 20:15

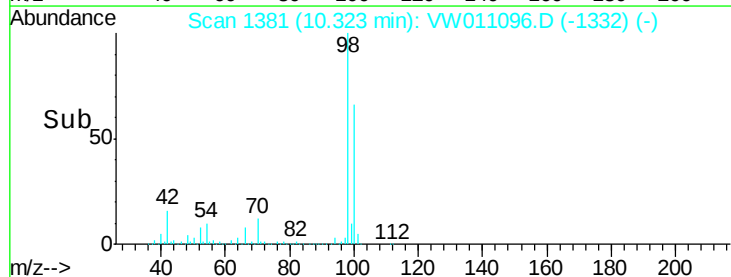
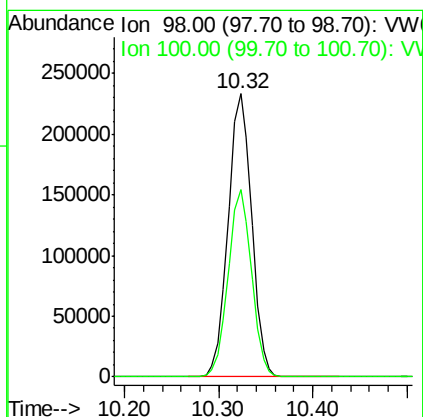
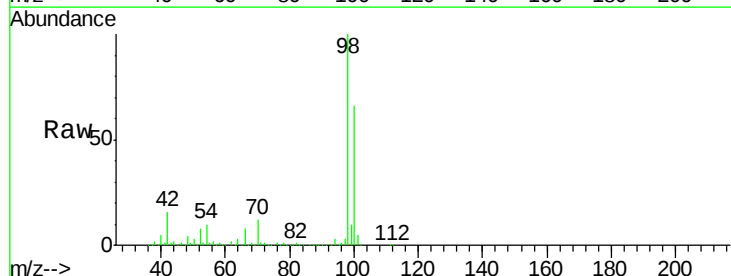
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OK-01-062819RE

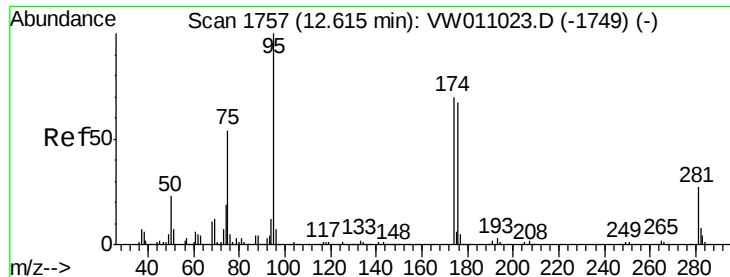
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 83.8  | 125.6 |
| 192     | 19.5  | 16.0  | 24.0  |



#50  
 Toluene-d8  
 Concen: 47.465 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW011096.D  
 Acq: 01 Jul 2019 20:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.5  | 52.3  | 78.5  |





#62

4-Bromofluorobenzene

Concen: 37.404 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011096.D

Acq: 01 Jul 2019 20:15

Instrument :

MSVOA\_W

ClientSampleId :

OK-01-062819RE

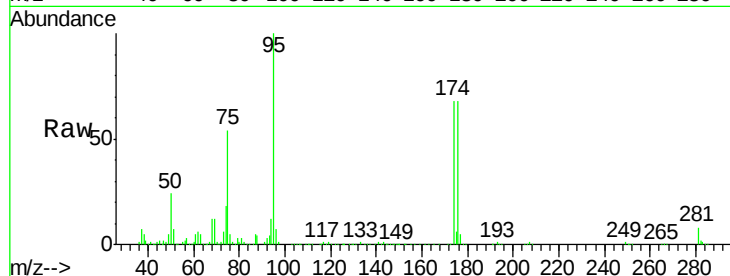
Tot Ion: 95 Resp: 116922

Ion Ratio Lower Upper

95 100

174 72.7 0.0 149.2

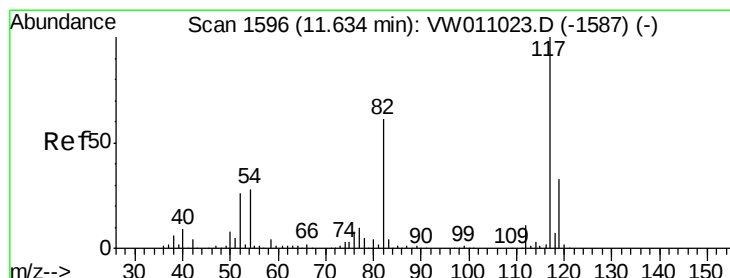
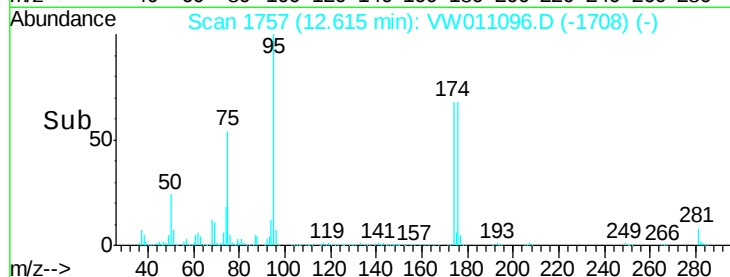
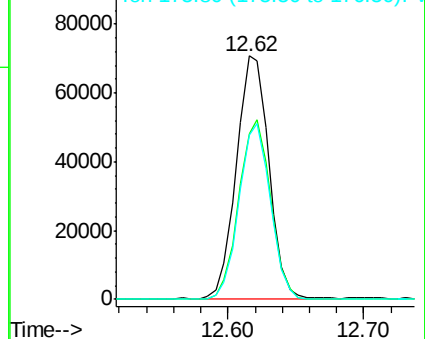
176 70.1 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011096.D

Acq: 01 Jul 2019 20:15

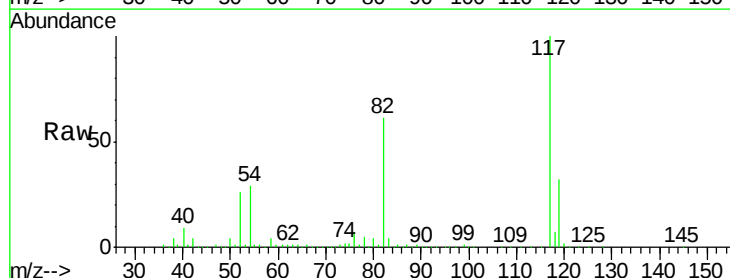
Tgt Ion: 117 Resp: 262626

Ion Ratio Lower Upper

117 100

82 61.3 48.6 73.0

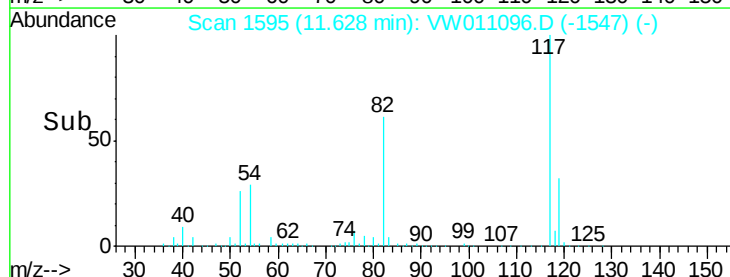
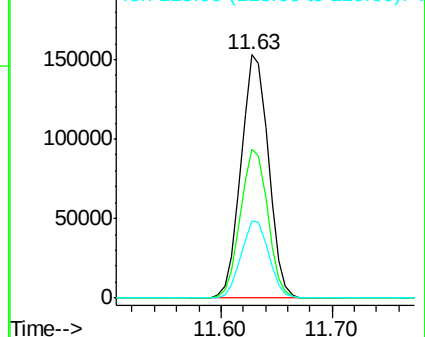
119 31.8 26.1 39.1

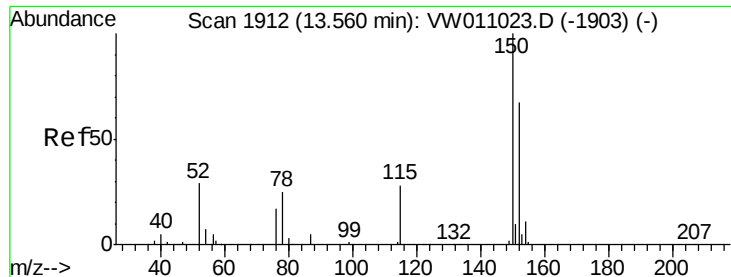


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011096.D

Acq: 01 Jul 2019 20:15

Instrument :

MSVOA\_W

ClientSampleId :

OK-01-062819RE

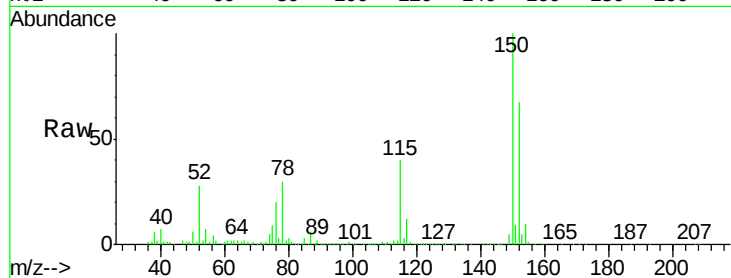
Tot Ion:152 Resp: 85636

Ion Ratio Lower Upper

152 100

115 61.0 30.7 92.1

150 156.3 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

