

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051019\  
 Data File : VW010361.D  
 Acq On : 10 May 2019 17:34  
 Operator : SY/VA  
 Sample : K2717-19  
 Misc : 4.16G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P026-SS004-0002-01

Quant Time: May 11 00:02:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W050919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 10 03:41:21 2019  
 Response via : Initial Calibration

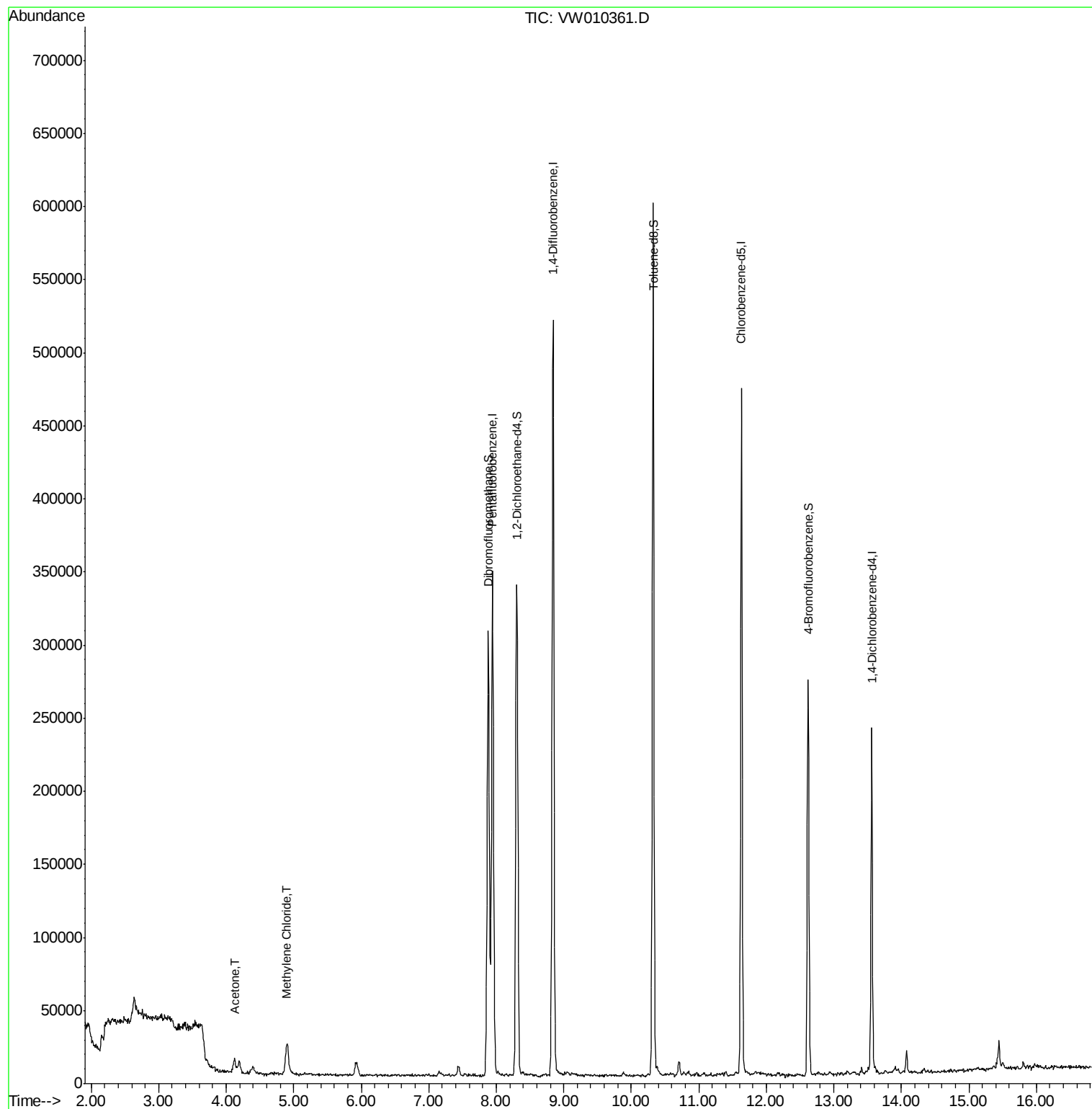
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 245189   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 419648   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 252236   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 59939    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 274278   | 105.22 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 210.44% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 219742   | 89.48  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 178.96% |          |
| 50) Toluene-d8              | 10.32 | 98   | 390286   | 39.03  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.06%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 84067    | 23.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 47.76%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.12  | 43   | 15801    | 23.252 | ug/l #  | 86       |
| 20) Methylene Chloride      | 4.90  | 84   | 15629    | 5.514  | ug/l #  | 97       |

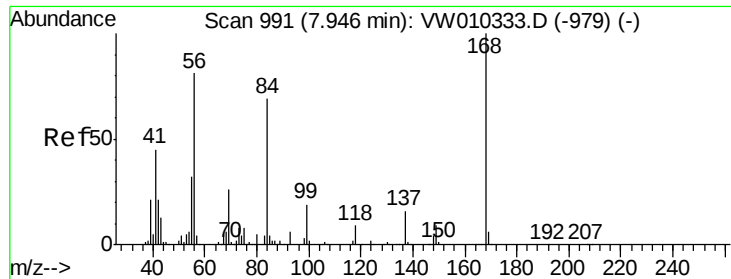
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri May 10 03:41:21 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: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA\_W

ClientSampleId :

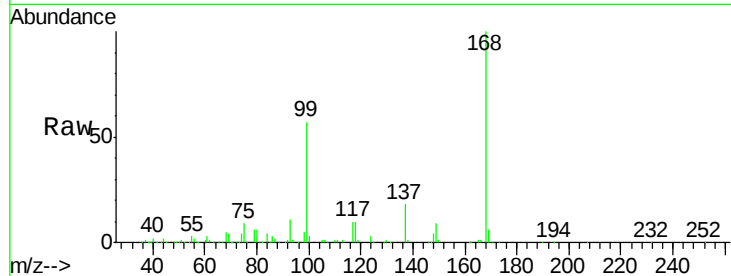
P026-SS004-0002-01

Tot Ion:168 Resp: 245189

Ion Ratio Lower Upper

168 100

99 56.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

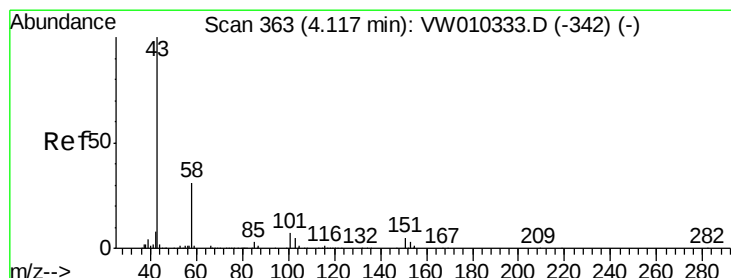
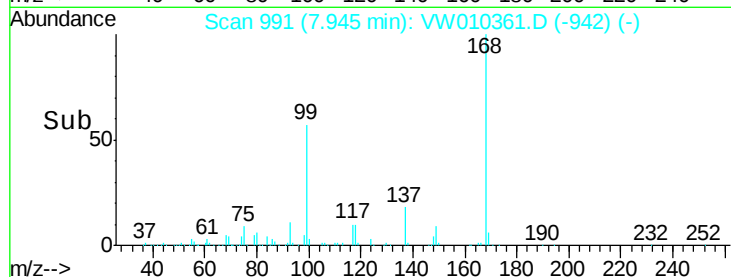
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 23.252 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010361.D

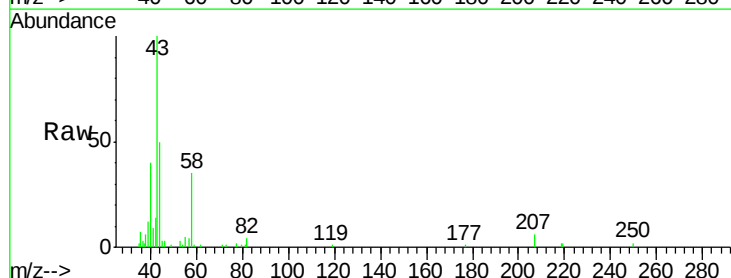
Acq: 10 May 2019 17:34

Tgt Ion: 43 Resp: 15801

Ion Ratio Lower Upper

43 100

58 35.7 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

6000

5000

4000

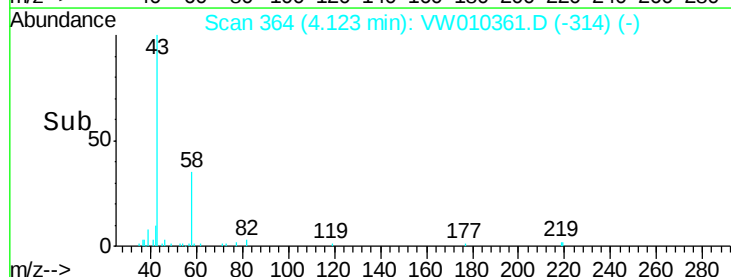
3000

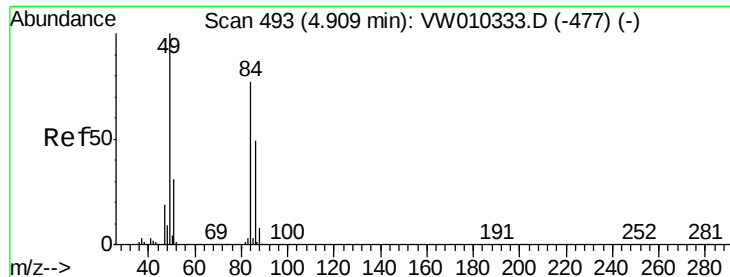
2000

1000

0

Time--> 4.00 4.10 4.20

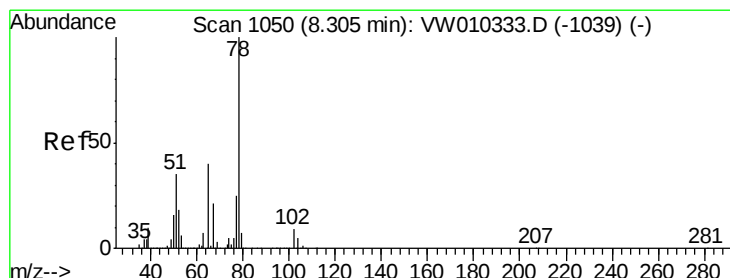
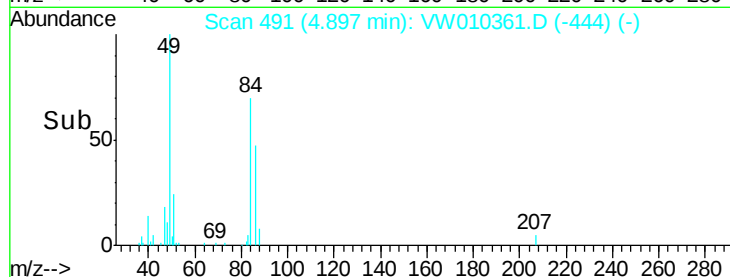
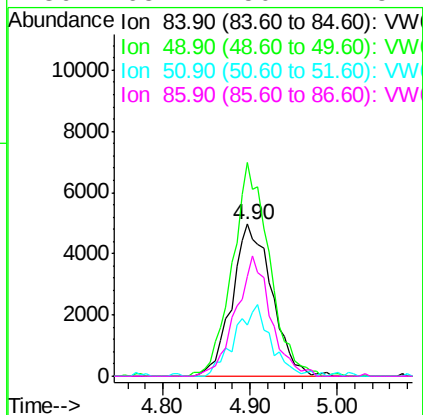
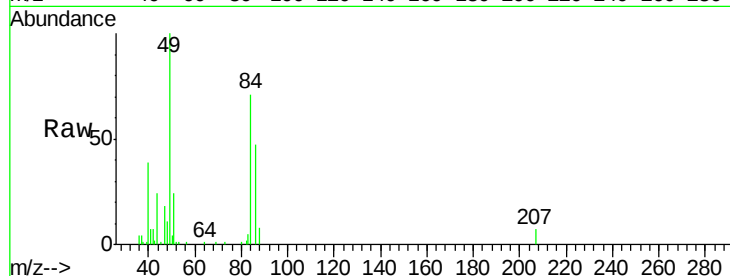




#20  
Methylene Chloride  
Concen: 5.514 ug/l  
RT: 4.90 min Scan# 491  
Delta R.T. -0.01 min  
Lab File: VW010361.D  
Acq: 10 May 2019 17:34

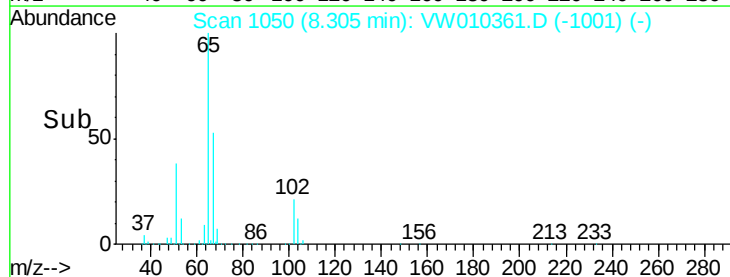
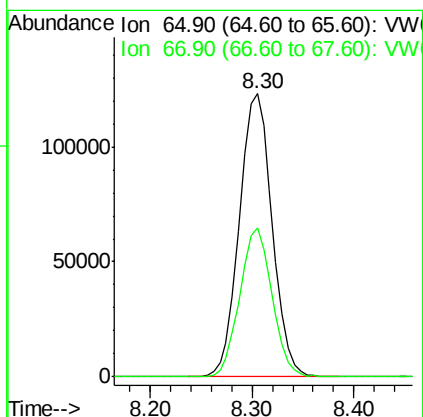
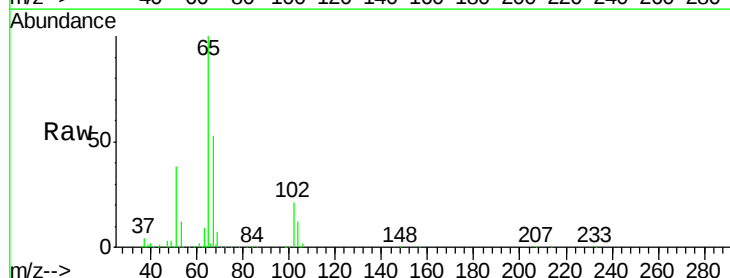
Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS004-0002-01

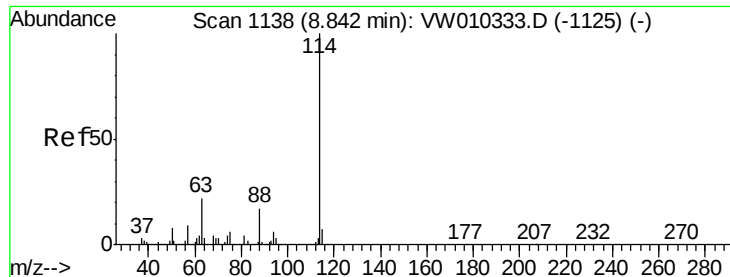
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 15629 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 140.5 | 112.3 | 168.5 |
| 51       | 33.4  | 33.9  | 50.9# |
| 86       | 65.4  | 50.2  | 75.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 105.221 ug/l  
RT: 8.30 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VW010361.D  
Acq: 10 May 2019 17:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 274278 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.9  | 0.0   | 100.8  |

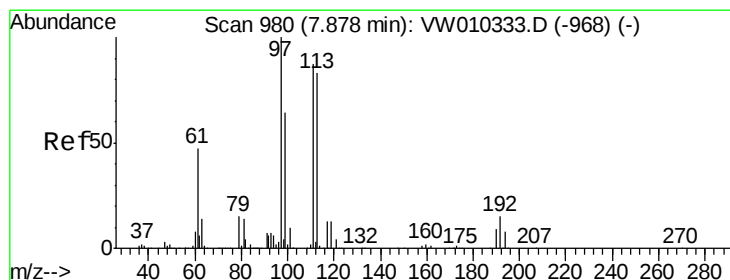
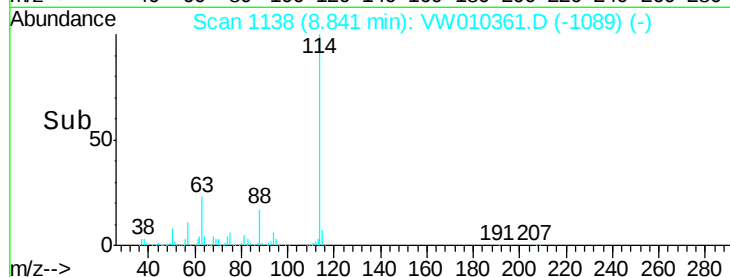
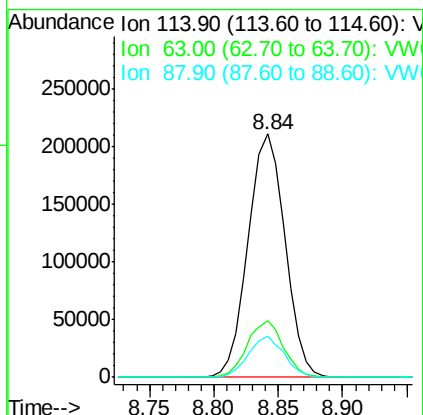
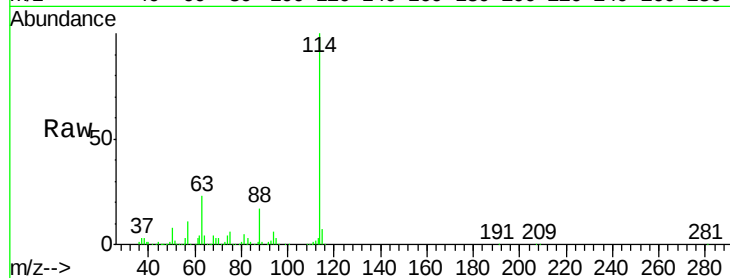




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW010361.D  
Acq: 10 May 2019 17:34

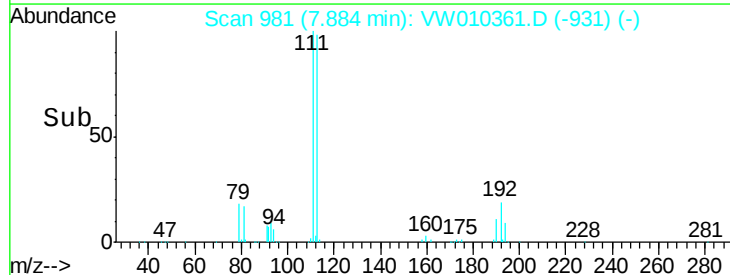
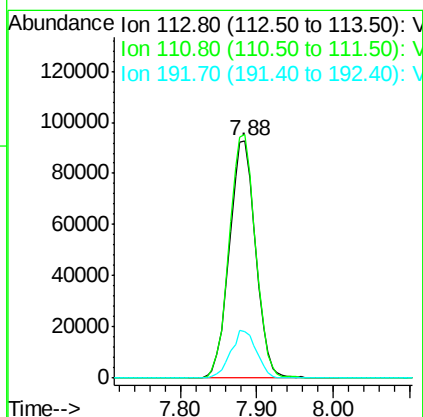
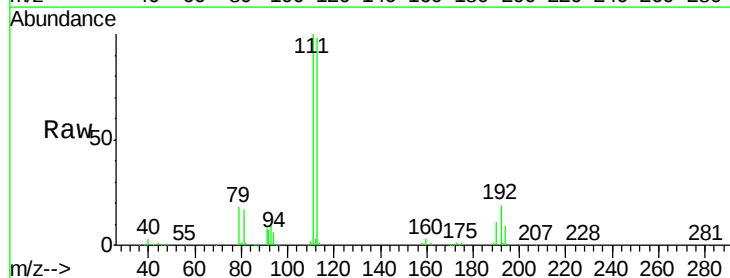
Instrument :  
MSVOA\_W  
ClientSampleId :  
P026-SS004-0002-01

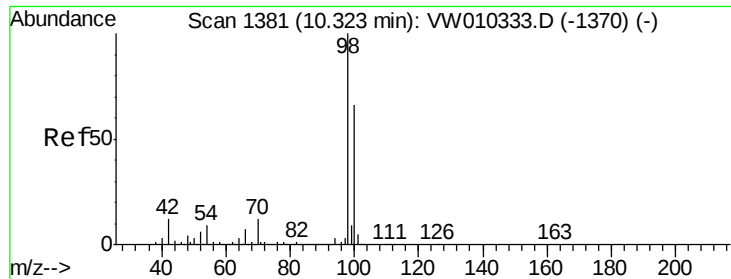
Tot Ion:114 Resp: 419648  
Ion Ratio Lower Upper  
114 100  
63 23.5 0.0 46.2  
88 17.0 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 89.481 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. 0.01 min  
Lab File: VW010361.D  
Acq: 10 May 2019 17:34

Tgt Ion:113 Resp: 219742  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.6 123.8  
192 19.7 15.4 23.2





#50

Toluene-d8

Concen: 39.030 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA\_W

ClientSampleId :

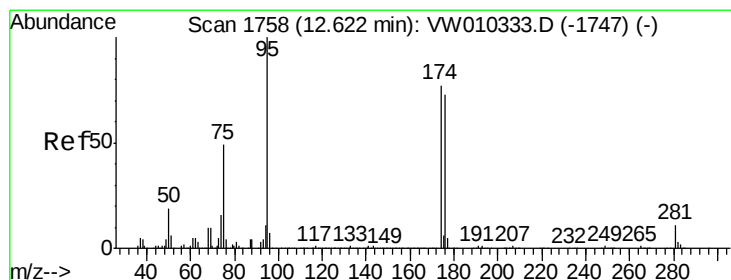
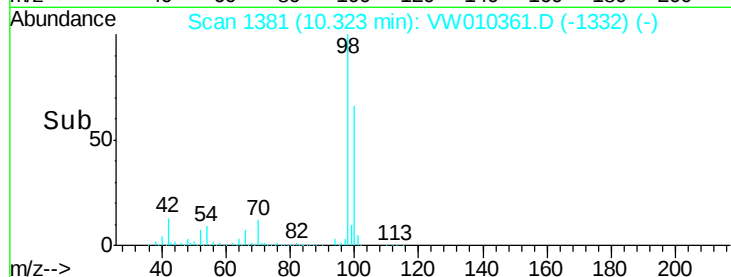
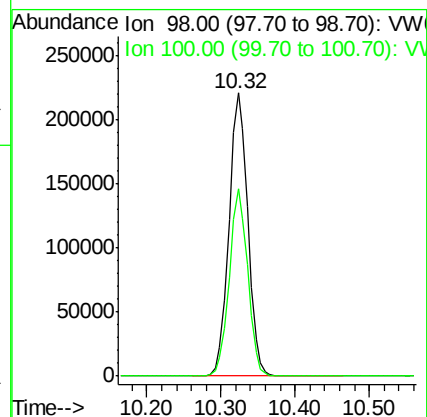
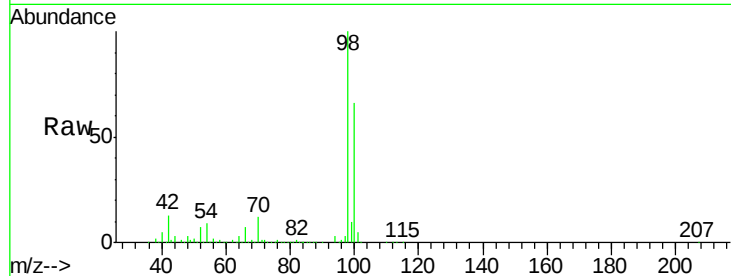
P026-SS004-0002-01

Tot Ion: 98 Resp: 390286

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 23.883 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

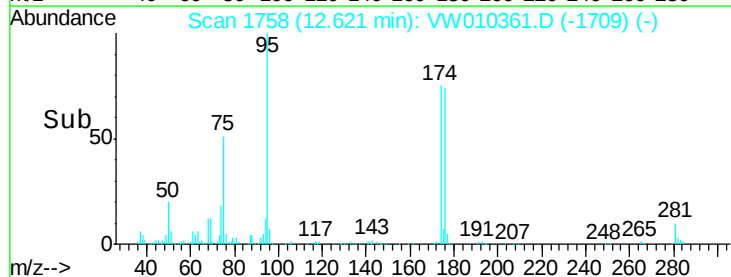
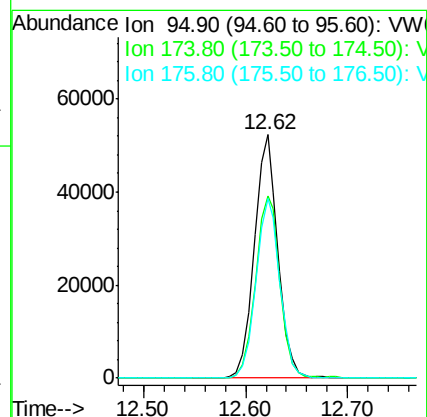
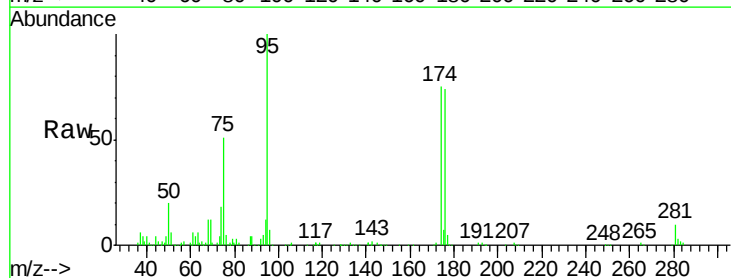
Tgt Ion: 95 Resp: 84067

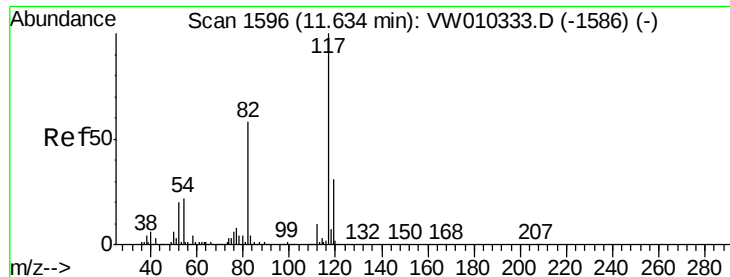
Ion Ratio Lower Upper

95 100

174 77.4 0.0 151.4

176 75.1 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

Instrument :

MSVOA\_W

ClientSampleId :

P026-SS004-0002-01

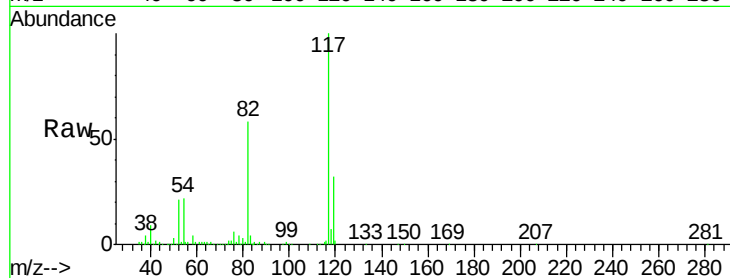
Tot Ion:117 Resp: 252236

Ion Ratio Lower Upper

117 100

82 58.4 45.2 67.8

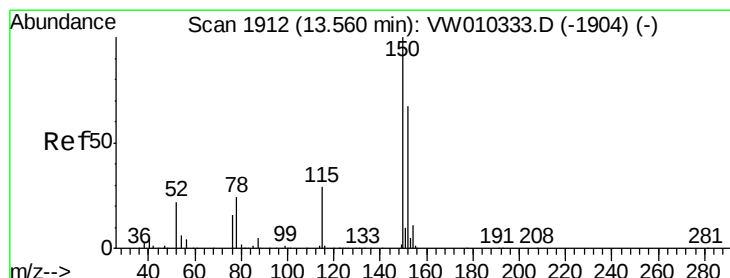
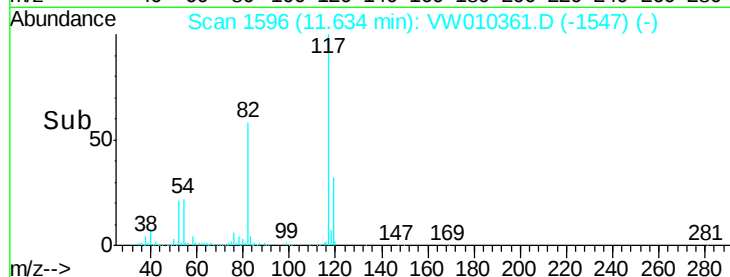
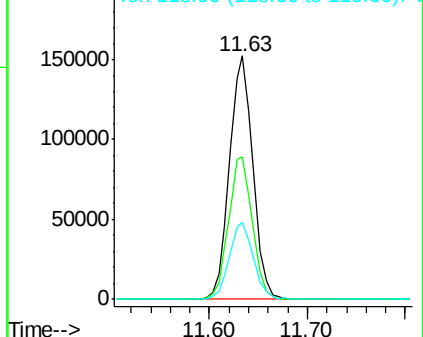
119 31.6 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010361.D

Acq: 10 May 2019 17:34

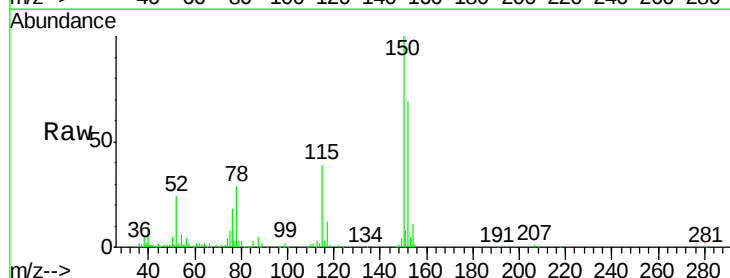
Tgt Ion:152 Resp: 59939

Ion Ratio Lower Upper

152 100

115 59.6 30.4 91.2

150 153.9 0.0 347.0



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

