

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\  
 Data File : VW013330.D  
 Acq On : 30 Sep 2019 14:00  
 Operator : SY/VA  
 Sample : K5038-12  
 Misc : 7.09G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TS-3

Quant Time: Sep 30 18:03:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W092019S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 20 15:58:08 2019  
 Response via : Initial Calibration

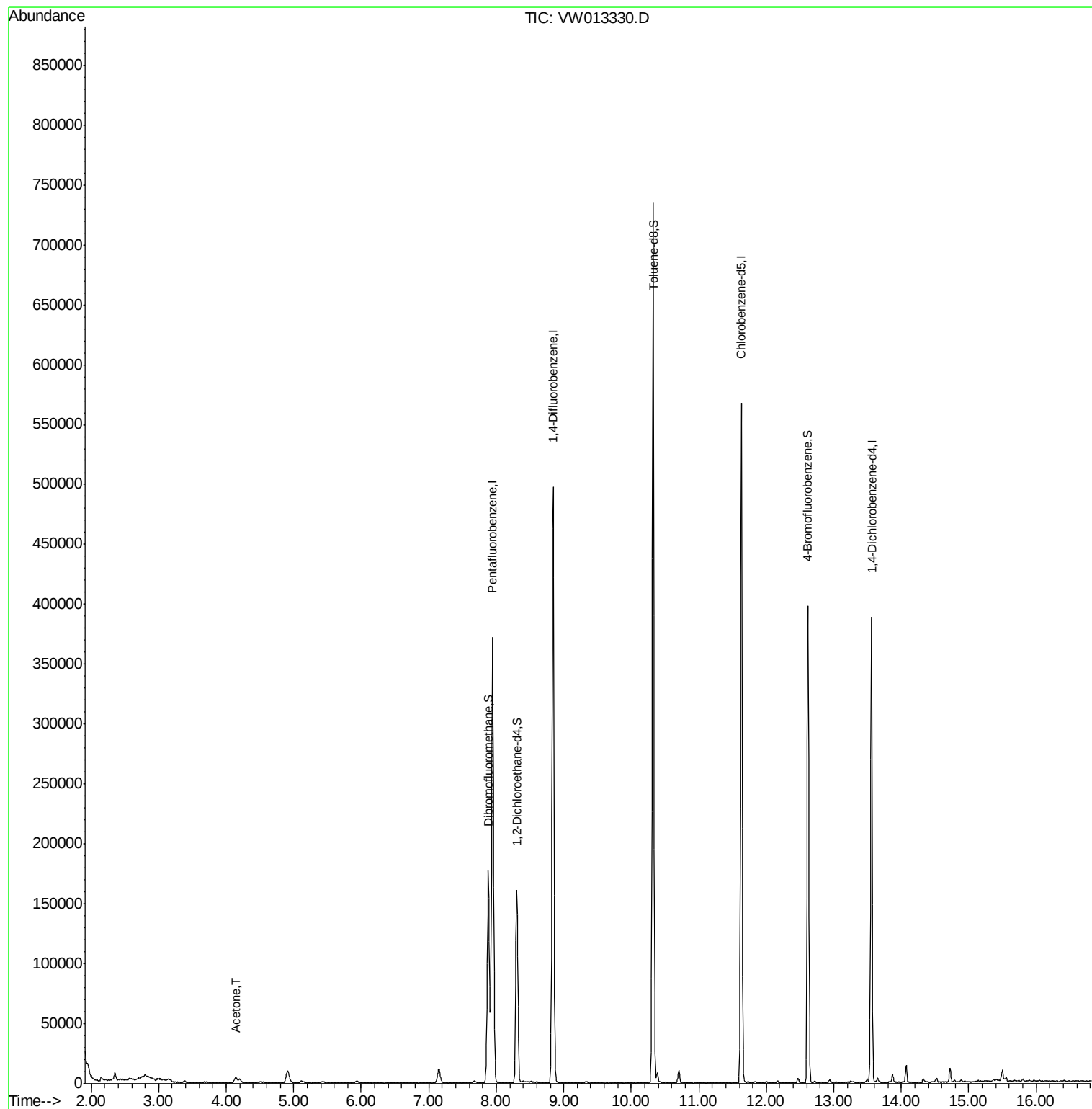
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 303228   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 445085   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 339931   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 113510   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 124169   | 50.17  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.34% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 127409   | 52.05  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.10% |           |
| 50) Toluene-d8              | 10.32 | 98   | 495594   | 48.37  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.74%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 129533   | 37.01  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 74.02%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 4.15  | 43   | 9756     | 17.481 | ug/l    | Qvalue 98 |

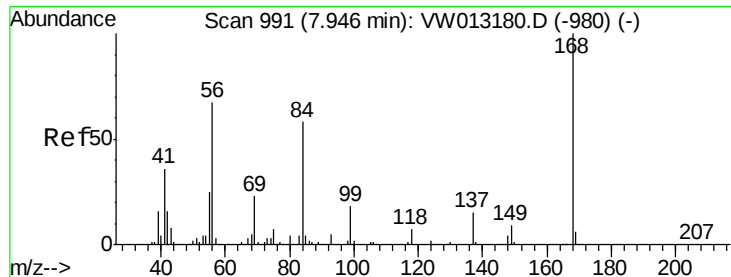
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W092019S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 20 15:58:08 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: VW013330.D

Acq: 30 Sep 2019 14:00

Instrument :

MSVOA\_W

ClientSampled :

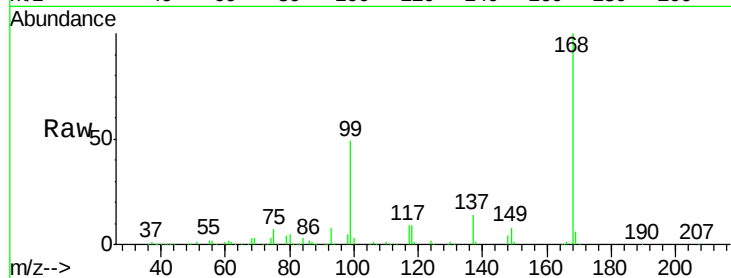
TS-3

Tot Ion:168 Resp: 303228

Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

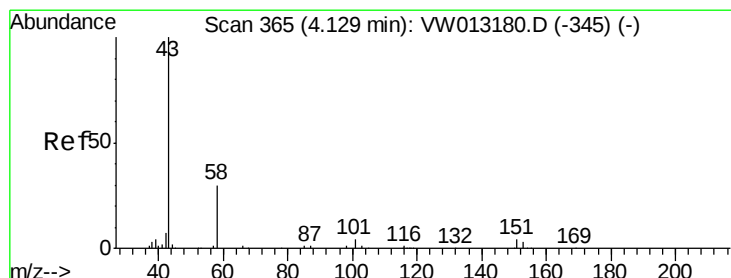
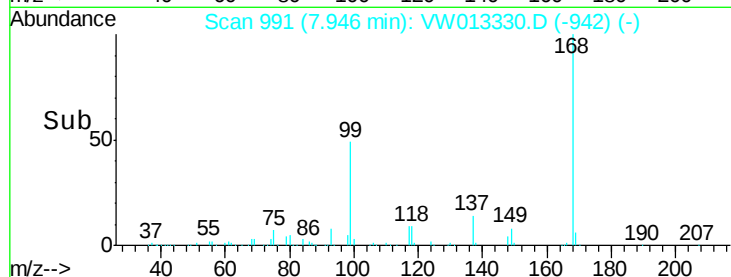
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 17.481 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013330.D

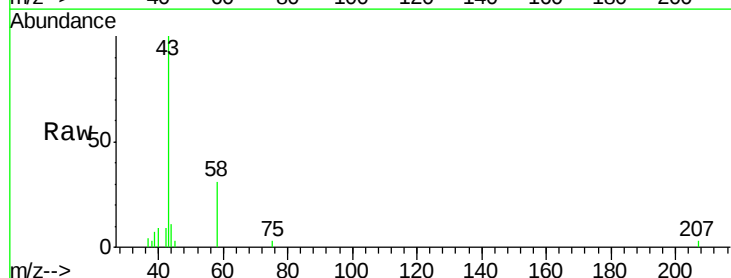
Acq: 30 Sep 2019 14:00

Tgt Ion: 43 Resp: 9756

Ion Ratio Lower Upper

43 100

58 31.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

3000

2500

2000

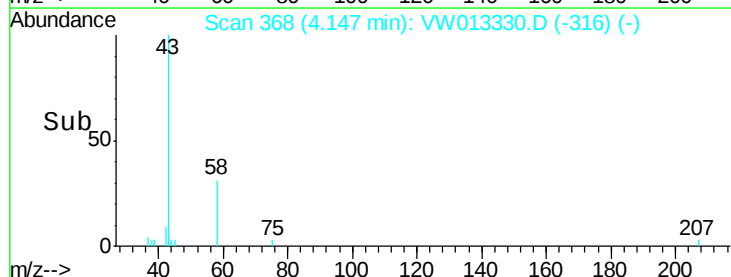
1500

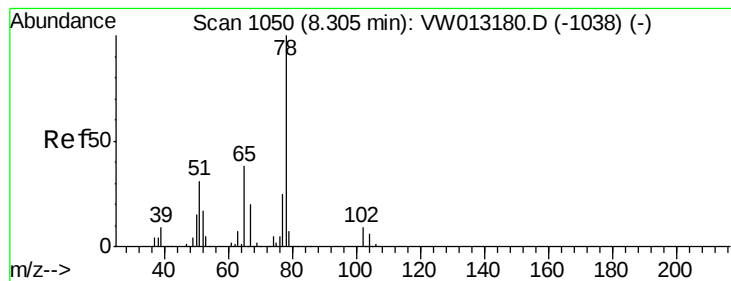
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.174 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013330.D

Acq: 30 Sep 2019 14:00

Instrument :

MSVOA\_W

ClientSampleId :

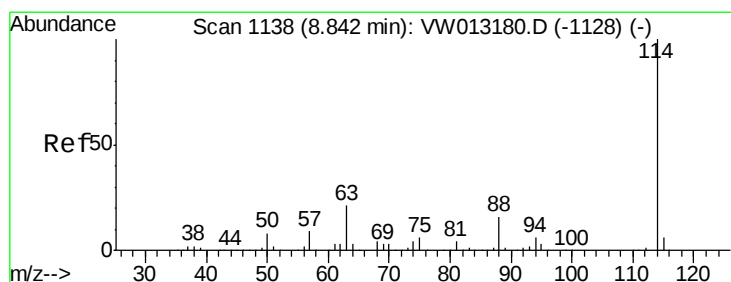
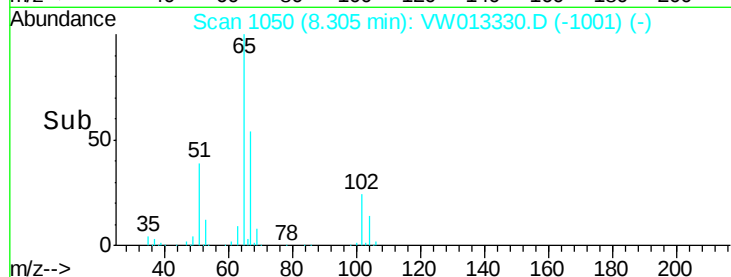
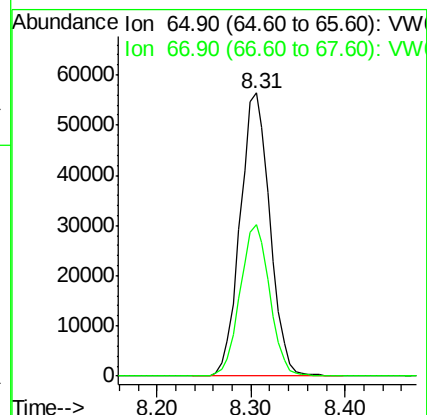
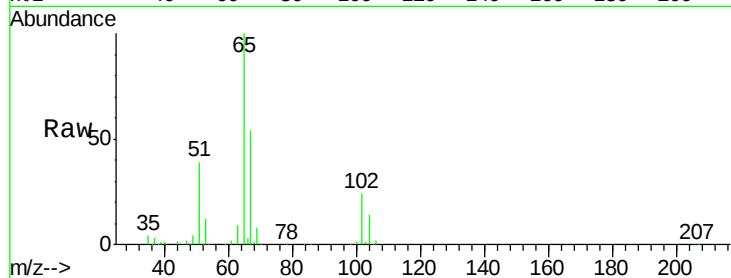
TS-3

Tot Ion: 65 Resp: 124169

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013330.D

Acq: 30 Sep 2019 14:00

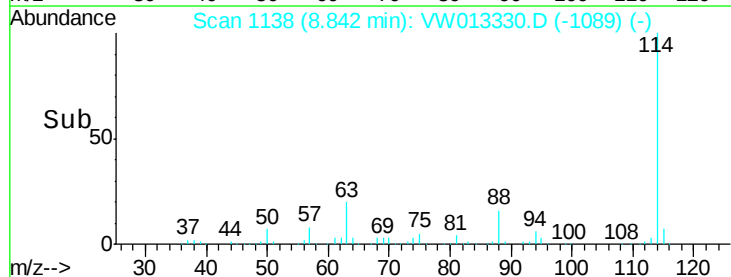
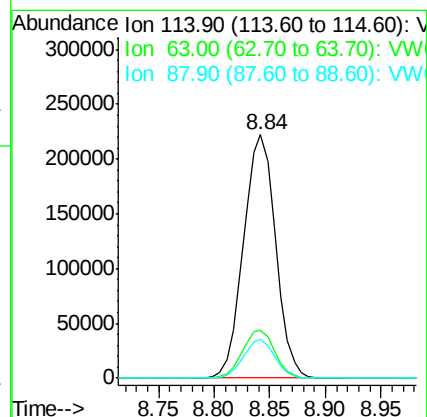
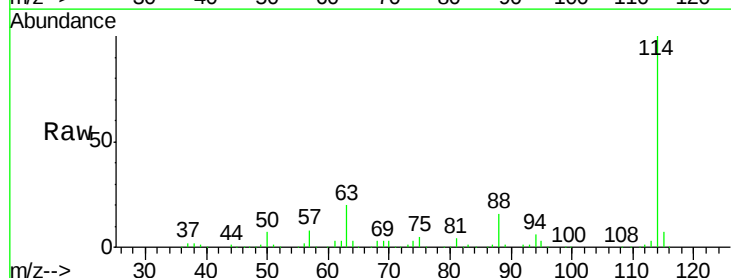
Tgt Ion: 114 Resp: 445085

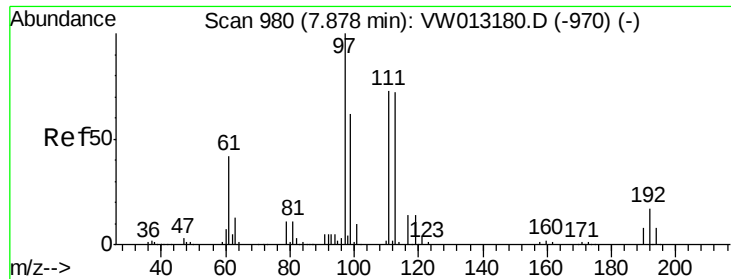
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.7 0.0 32.0

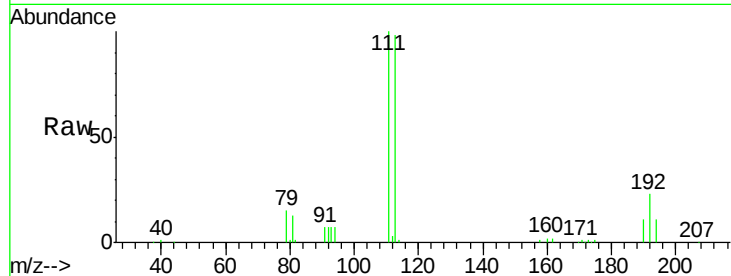




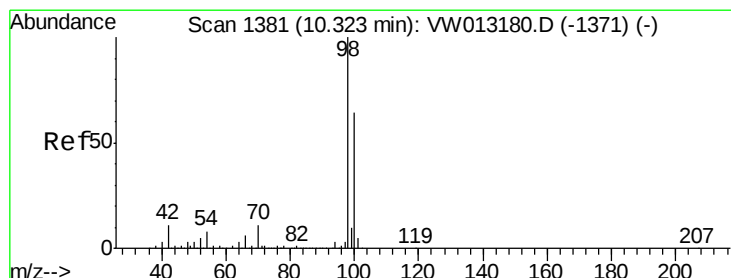
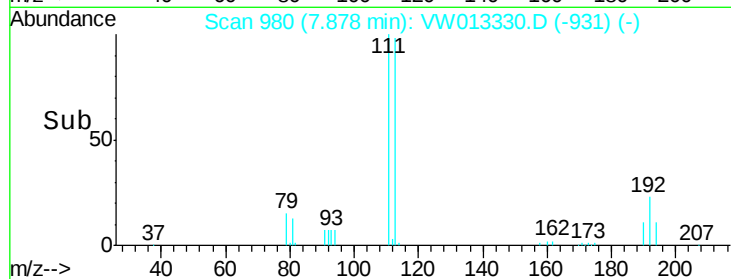
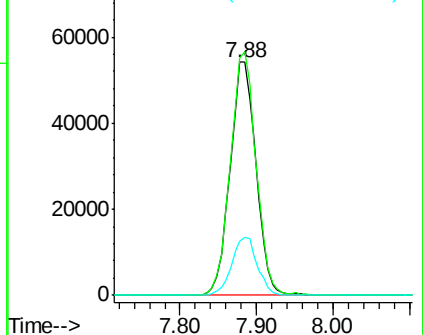
#35  
Dibromofluoromethane  
Concen: 52.047 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: VW013330.D  
Acq: 30 Sep 2019 14:00

Instrument :  
MSVOA\_W  
ClientSampled :  
TS-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 81.9  | 122.9 |
| 192     | 24.5  | 19.1  | 28.7  |

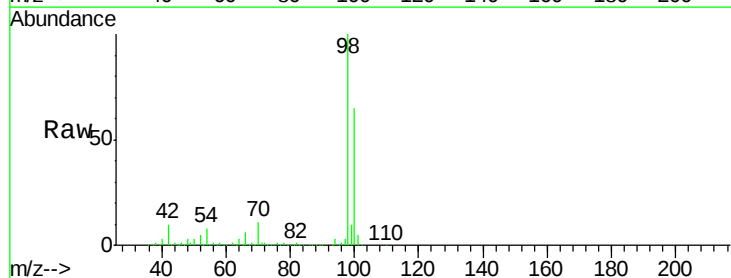


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

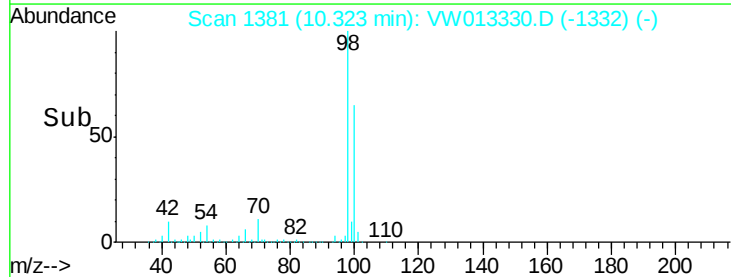
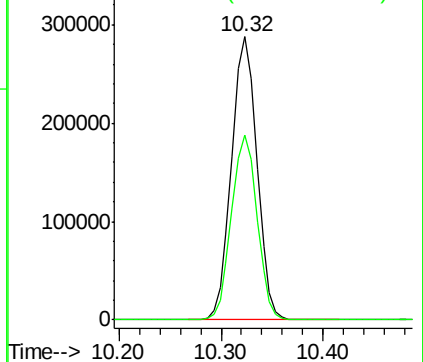


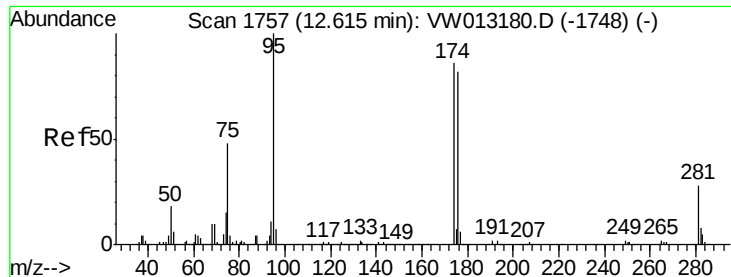
#50  
Toluene-d8  
Concen: 48.374 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW013330.D  
Acq: 30 Sep 2019 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.9  | 52.9  | 79.3  |



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

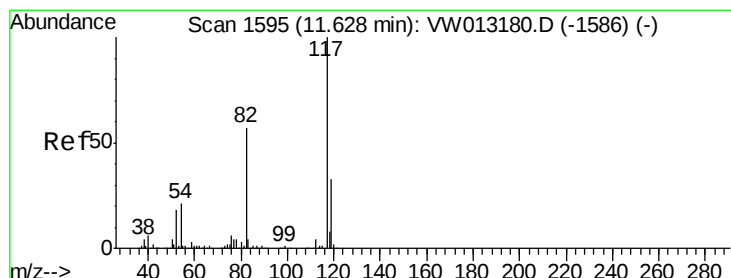
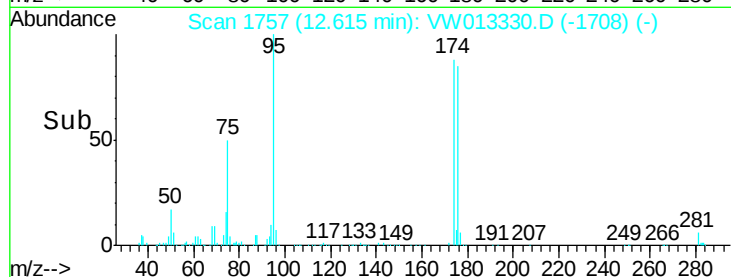
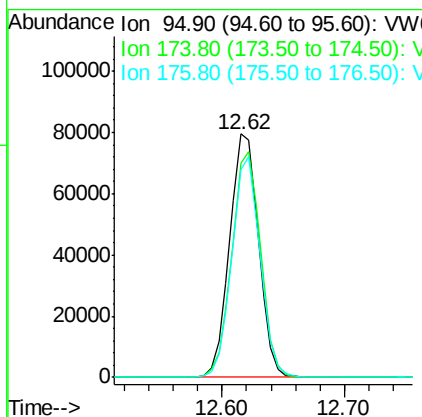
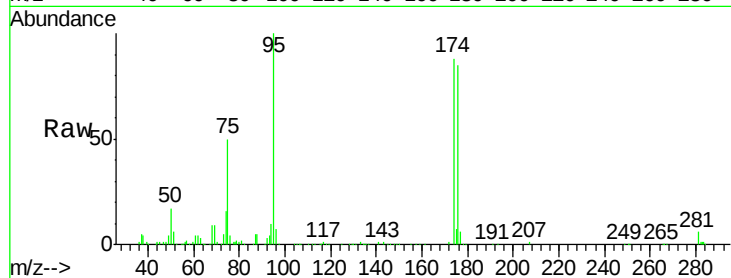




#62  
4-Bromofluorobenzene  
Concen: 37.014 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: VW013330.D  
Acq: 30 Sep 2019 14:00

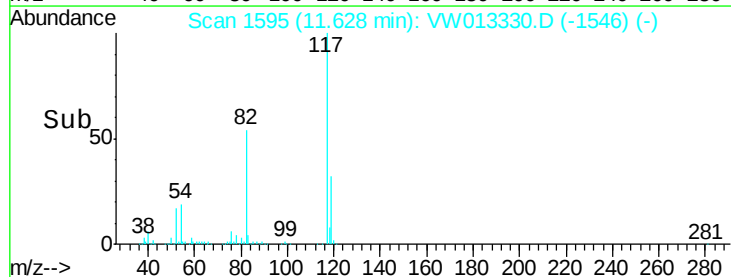
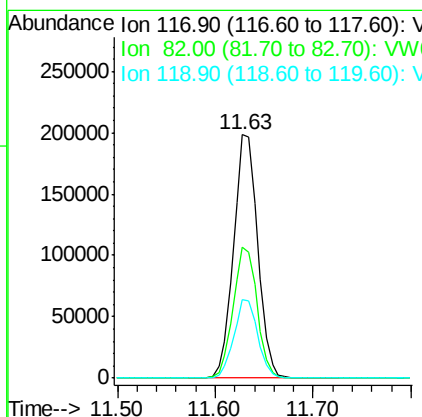
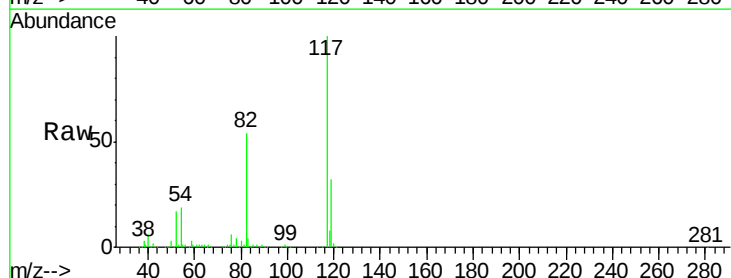
Instrument :  
MSVOA\_W  
ClientSampleId :  
TS-3

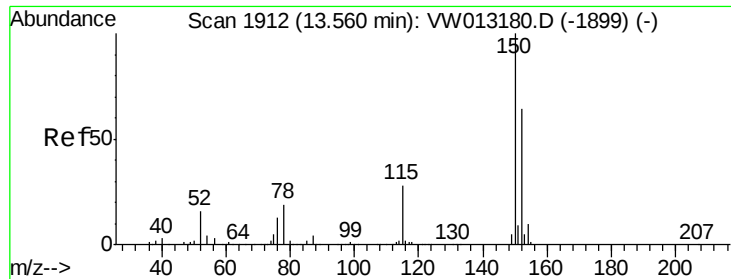
Tot Ion: 95 Resp: 129533  
Ion Ratio Lower Upper  
95 100  
174 92.5 0.0 178.4  
176 88.0 0.0 172.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013330.D  
Acq: 30 Sep 2019 14:00

Tgt Ion: 117 Resp: 339931  
Ion Ratio Lower Upper  
117 100  
82 53.6 45.9 68.9  
119 32.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013330.D

Acq: 30 Sep 2019 14:00

Instrument :

MSVOA\_W

ClientSampleId :

TS-3

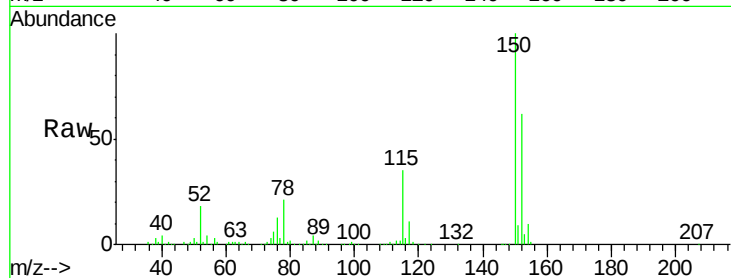
Tot Ion:152 Resp: 113510

Ion Ratio Lower Upper

152 100

115 55.0 27.3 81.9

150 157.2 0.0 349.0



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

