

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\  
 Data File : VW011032.D  
 Acq On : 27 Jun 2019 23:06  
 Operator : SY/VA  
 Sample : K3532-05  
 Misc : 6.12G/5ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TRIANGLE-AREA-SOIL-A

Quant Time: Jun 28 09:15:15 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

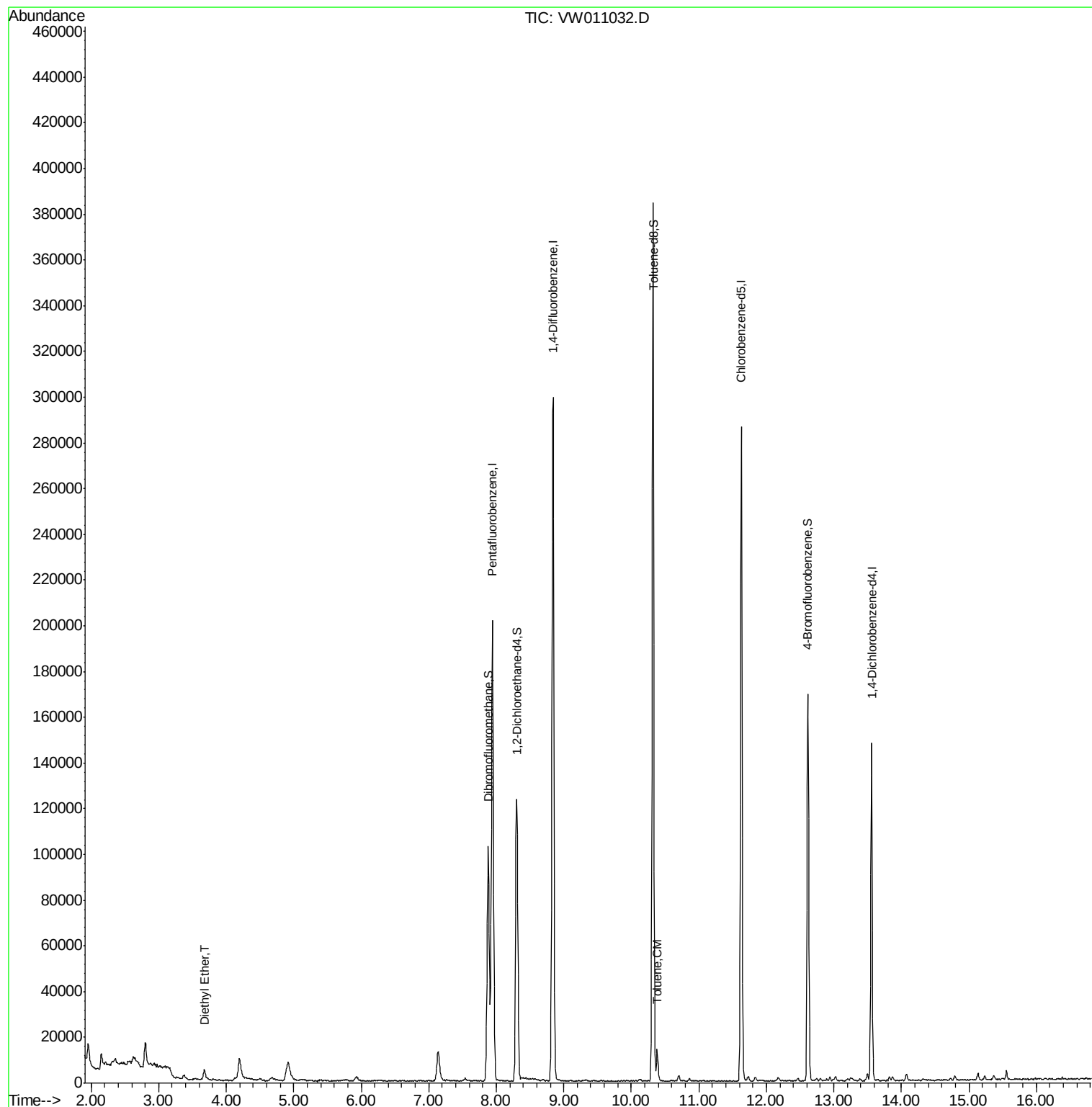
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 144863   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 236363   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 146916   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 35336    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 98944    | 52.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.50% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 73876    | 51.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.36% |          |
| 50) Toluene-d8              | 10.32 | 98   | 239148   | 40.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.50%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 51120    | 23.53 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 47.06%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 8) Diethyl Ether            | 3.67  | 74   | 2096     | 2.363 | ug/l    | 95       |
| 52) Toluene                 | 10.39 | 92   | 5582     | 1.305 | ug/l    | 98       |

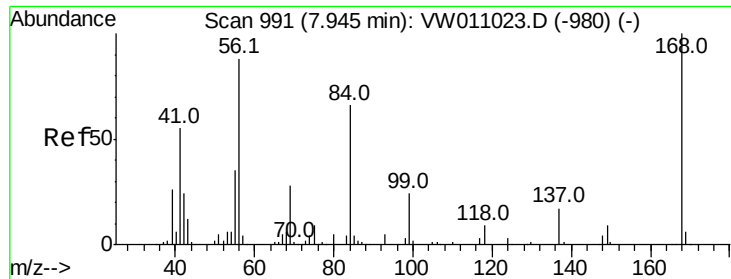
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TRIANGLE-AREA-SOIL-A

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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: VW011032.D

Acq: 27 Jun 2019 23:06

Instrument :

MSVOA\_W

ClientSampleId :

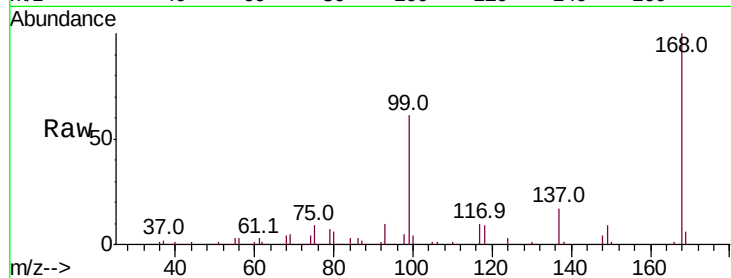
TRIANGLE-AREA-SOIL-A

Tot Ion:168 Resp: 144863

Ion Ratio Lower Upper

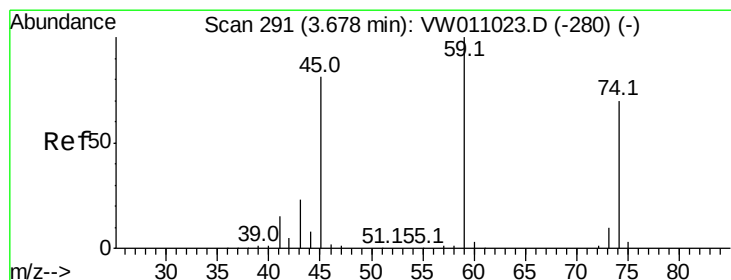
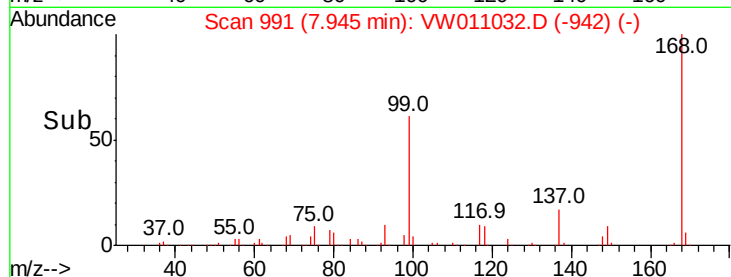
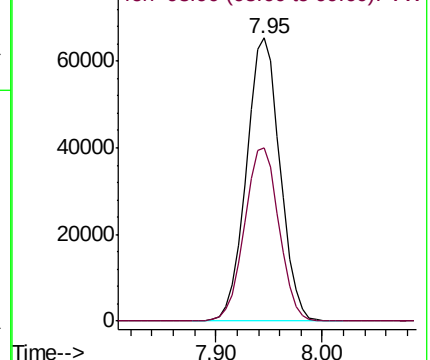
168 100

99 61.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.363 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011032.D

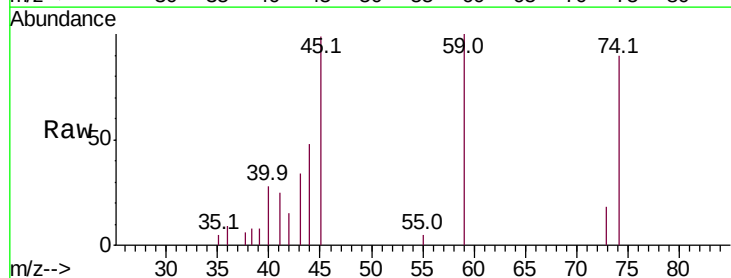
Acq: 27 Jun 2019 23:06

Tgt Ion: 74 Resp: 2096

Ion Ratio Lower Upper

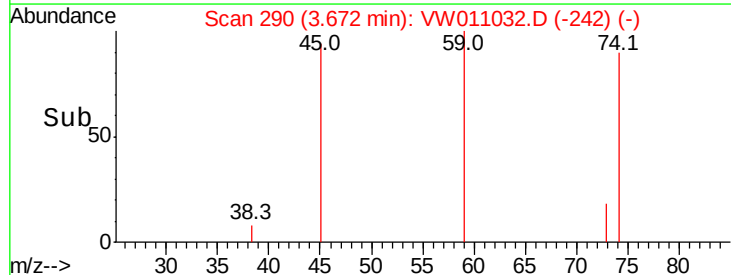
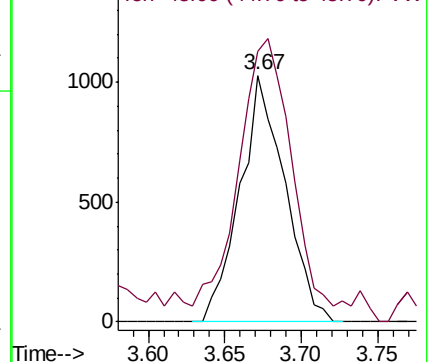
74 100

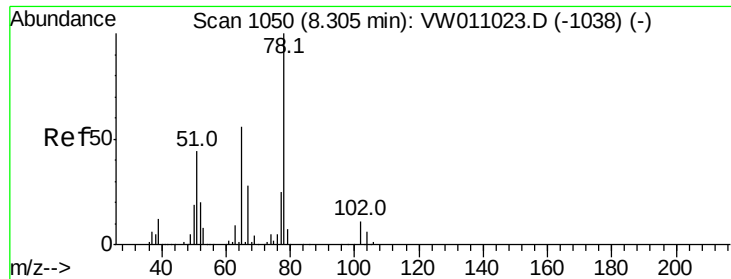
45 124.3 59.5 178.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#33

1,2-Dichloroethane-d4

Concen: 52.248 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011032.D

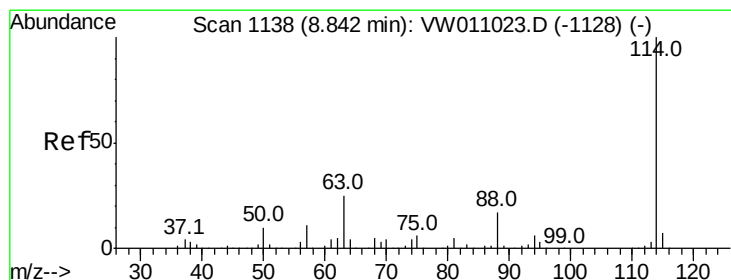
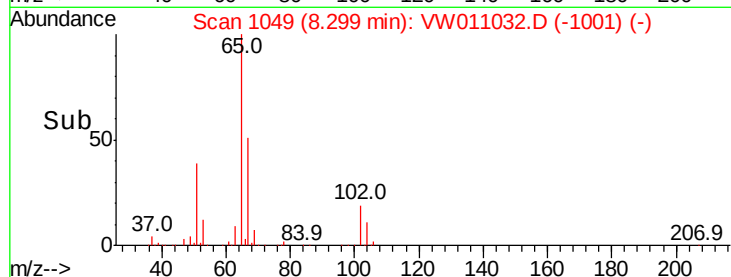
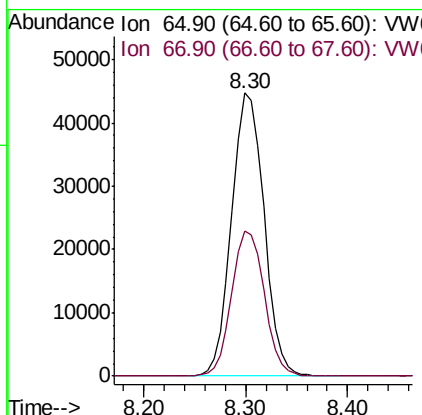
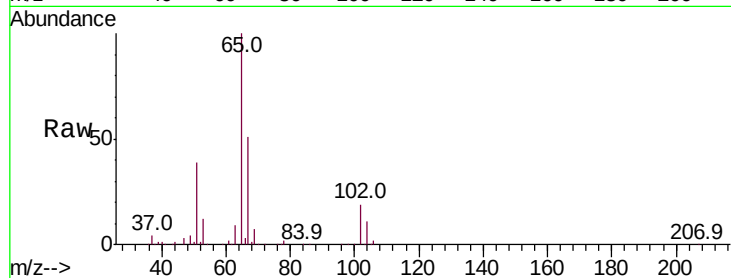
Acq: 27 Jun 2019 23:06

Instrument :  
MSVOA\_W

ClientSampleId :  
TRIANGLE-AREA-SOIL-A

Tot Ion: 65 Resp: 98944

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.7  | 0.0   | 102.4 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

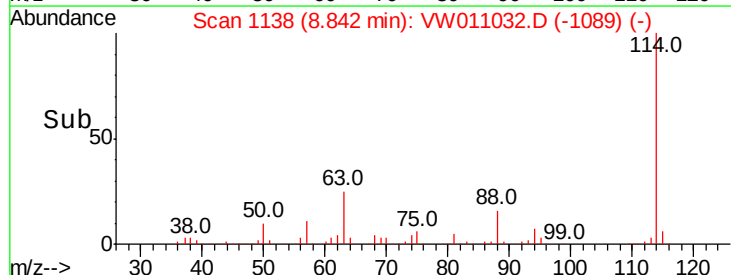
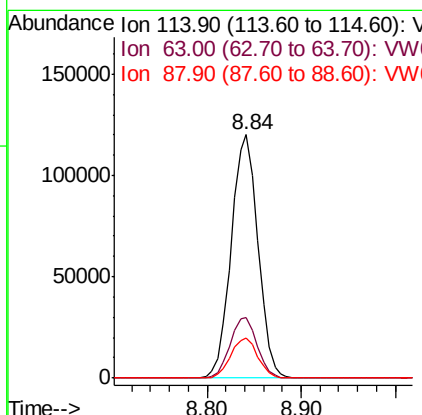
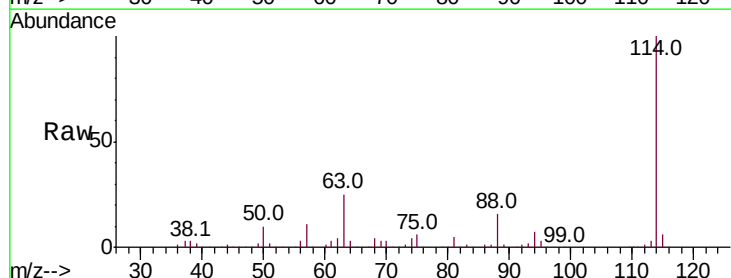
Delta R.T. -0.00 min

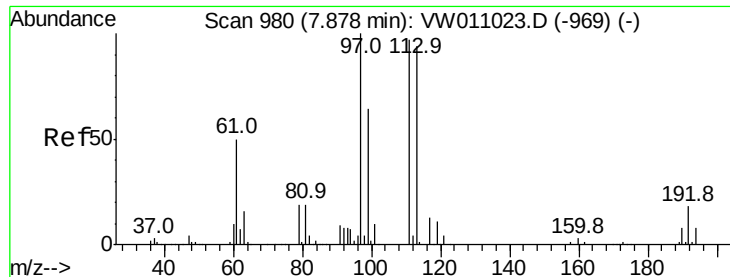
Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

Tgt Ion: 114 Resp: 236363

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 24.7  | 0.0   | 50.6  |
| 88  | 16.5  | 0.0   | 34.0  |





#35

Dibromofluoromethane

Concen: 51.184 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

Instrument :

MSVOA\_W

ClientSampleId :

TRIANGLE-AREA-SOIL-A

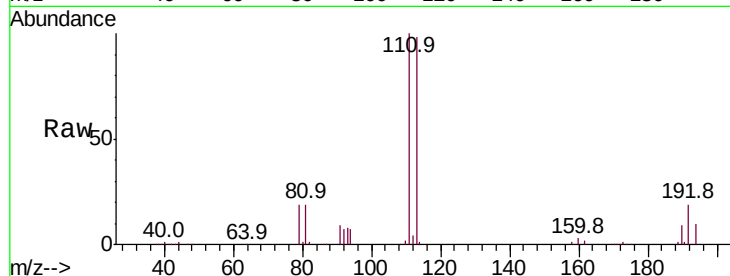
Tot Ion:113 Resp: 73876

Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

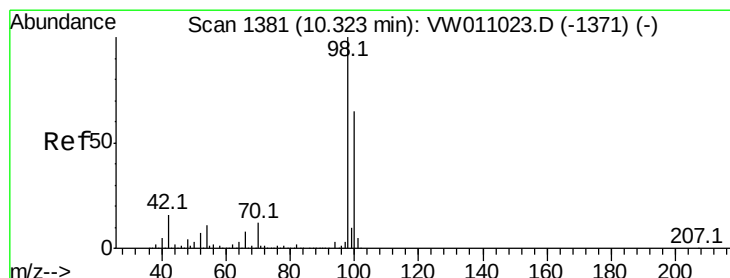
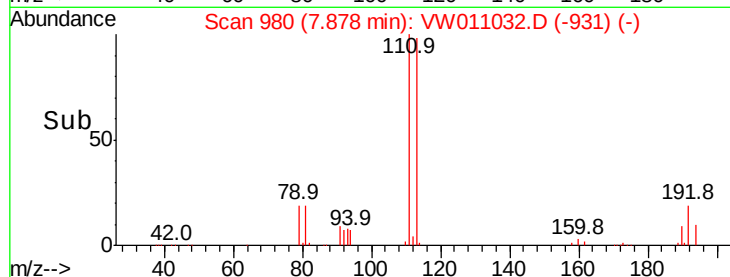
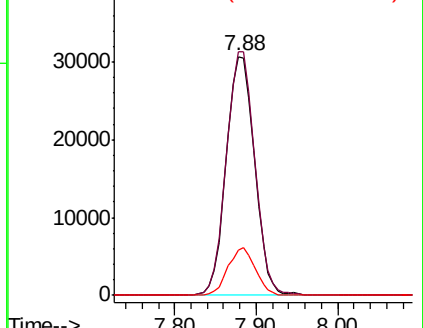
192 19.1 16.0 24.0



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: 40.253 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011032.D

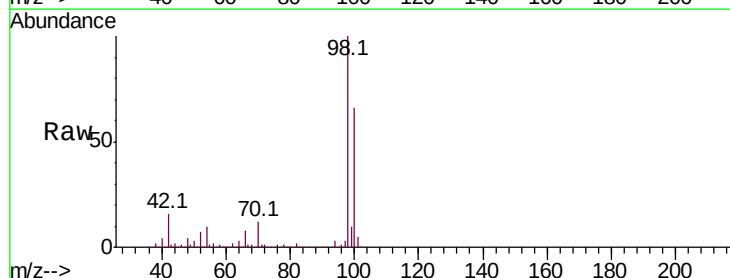
Acq: 27 Jun 2019 23:06

Tgt Ion: 98 Resp: 239148

Ion Ratio Lower Upper

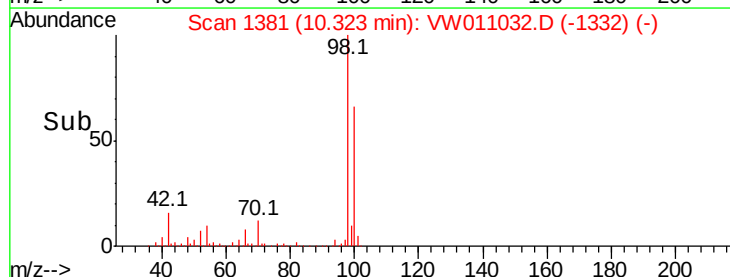
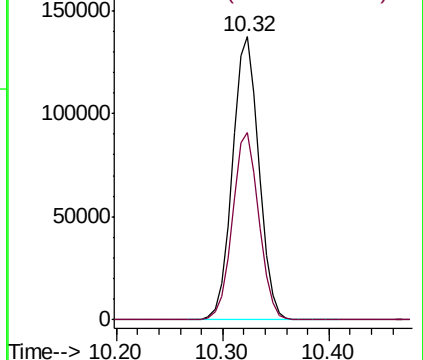
98 100

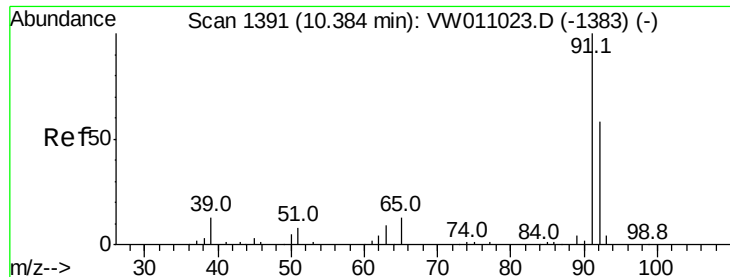
100 66.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.305 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

Instrument :

MSVOA\_W

ClientSampleId :

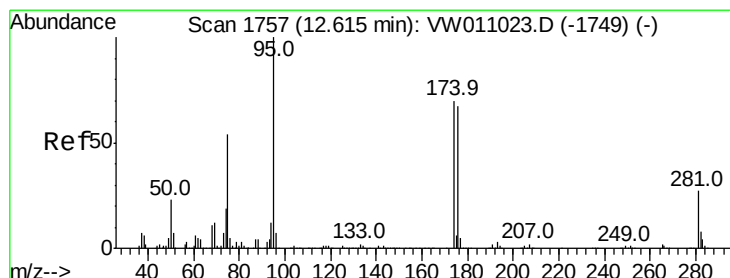
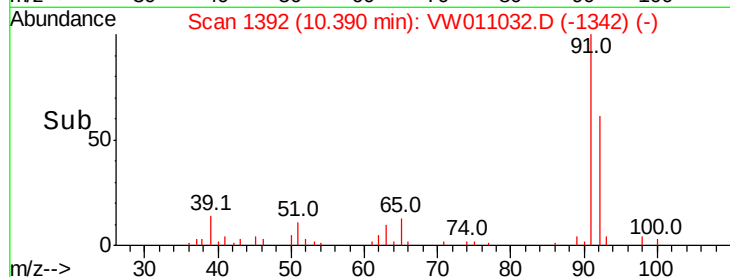
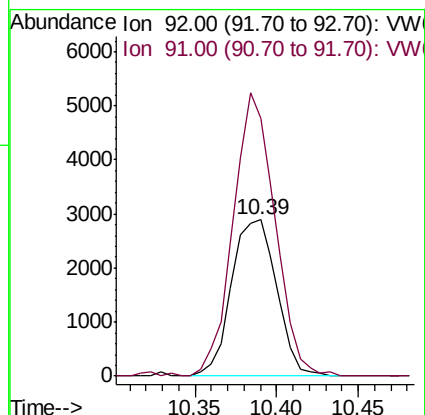
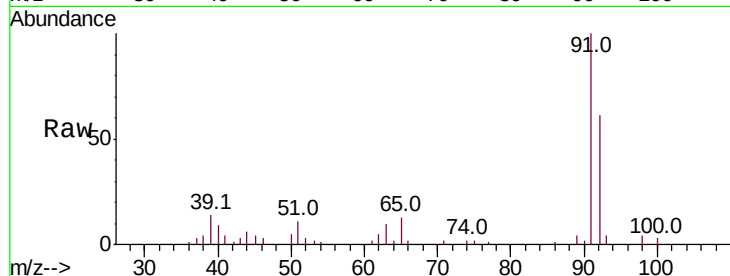
TRIANGLE-AREA-SOIL-A

Tot Ion: 92 Resp: 5582

Ion Ratio Lower Upper

92 100

91 167.7 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 23.525 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

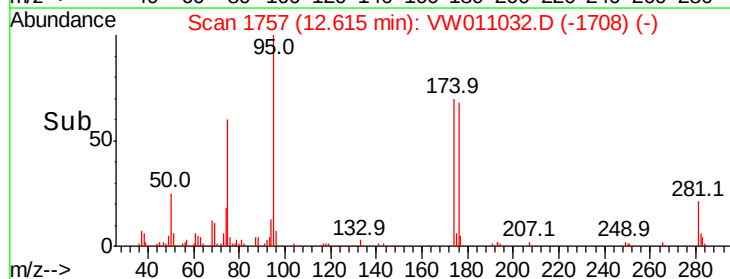
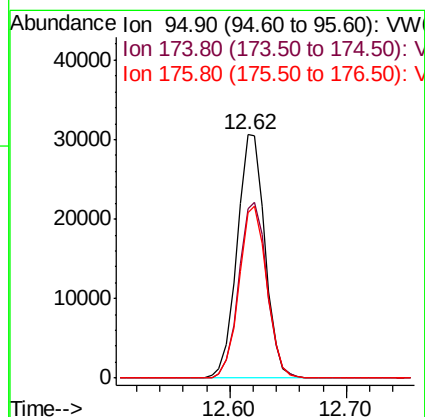
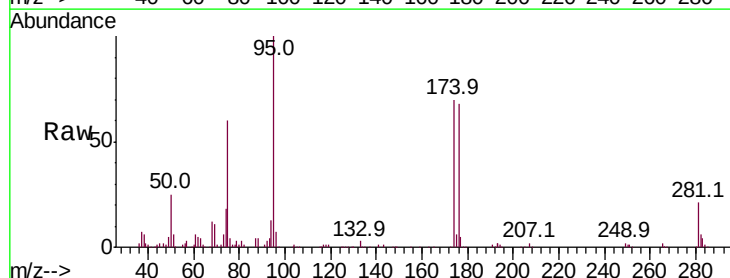
Tgt Ion: 95 Resp: 51120

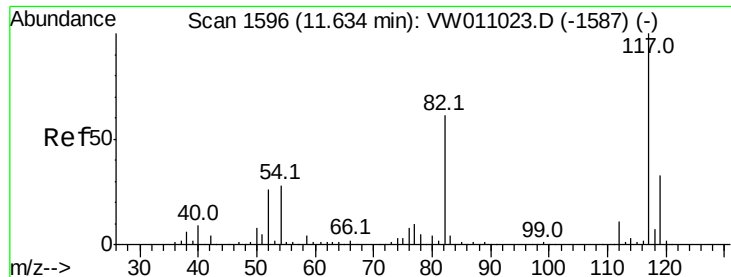
Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.2

176 70.3 0.0 143.6

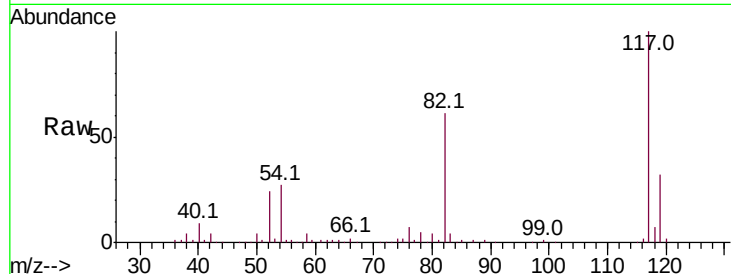




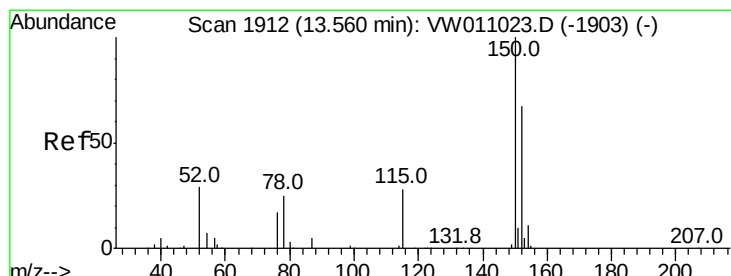
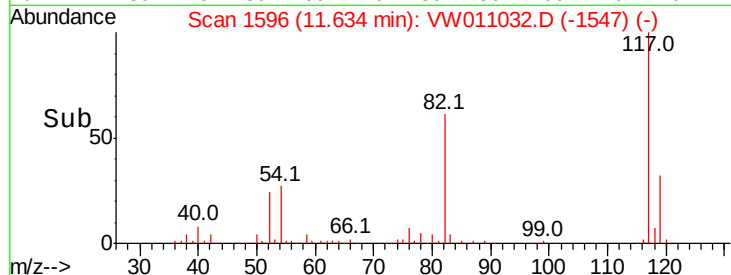
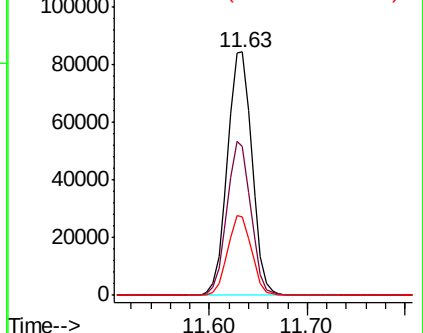
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW011032.D  
Acq: 27 Jun 2019 23:06

Instrument :  
MSVOA\_W  
ClientSampleId :  
TRIANGLE-AREA-SOIL-A

Tot Ion:117 Resp: 146916  
Ion Ratio Lower Upper  
117 100  
82 60.9 48.6 73.0  
119 32.0 26.1 39.1

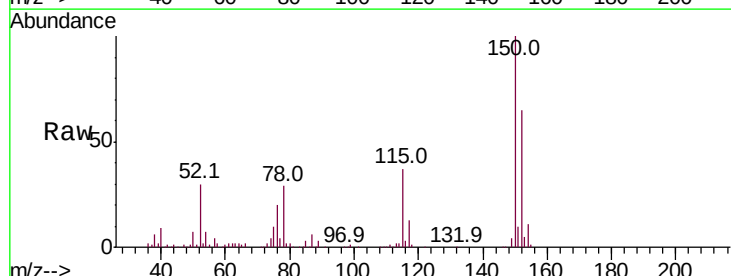


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VV  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW011032.D  
Acq: 27 Jun 2019 23:06

Tgt Ion:152 Resp: 35336  
Ion Ratio Lower Upper  
152 100  
115 59.8 30.7 92.1  
150 152.9 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

