

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072919\  
 Data File : VW011556.D  
 Acq On : 29 Jul 2019 13:28  
 Operator : SY/VA  
 Sample : K3979-22MS  
 Misc : 6.01G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB940MS

Quant Time: Jul 30 06:59:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 30 05:56:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 457718   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 399264   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 181282   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 116851   | 19.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.48% |
| 7) Chloroethane-d5             | 2.89   | 69    | 86695    | 19.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.92% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 285592   | 20.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 82.52% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 118016   | 45.35    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.70% |
| 24) Chloroform-d               | 7.65   | 84    | 251052   | 21.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.68% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 156538   | 22.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 89.84% |
| 29) Benzene-d6                 | 8.27   | 84    | 513344   | 21.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.00% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 175223   | 22.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.60% |
| 37) Toluene-d8                 | 10.32  | 98    | 451568   | 21.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.40% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 72493    | 21.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.76% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 78661    | 46.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 140117   | 22.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 150537   | 22.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.48% |

## Target Compounds

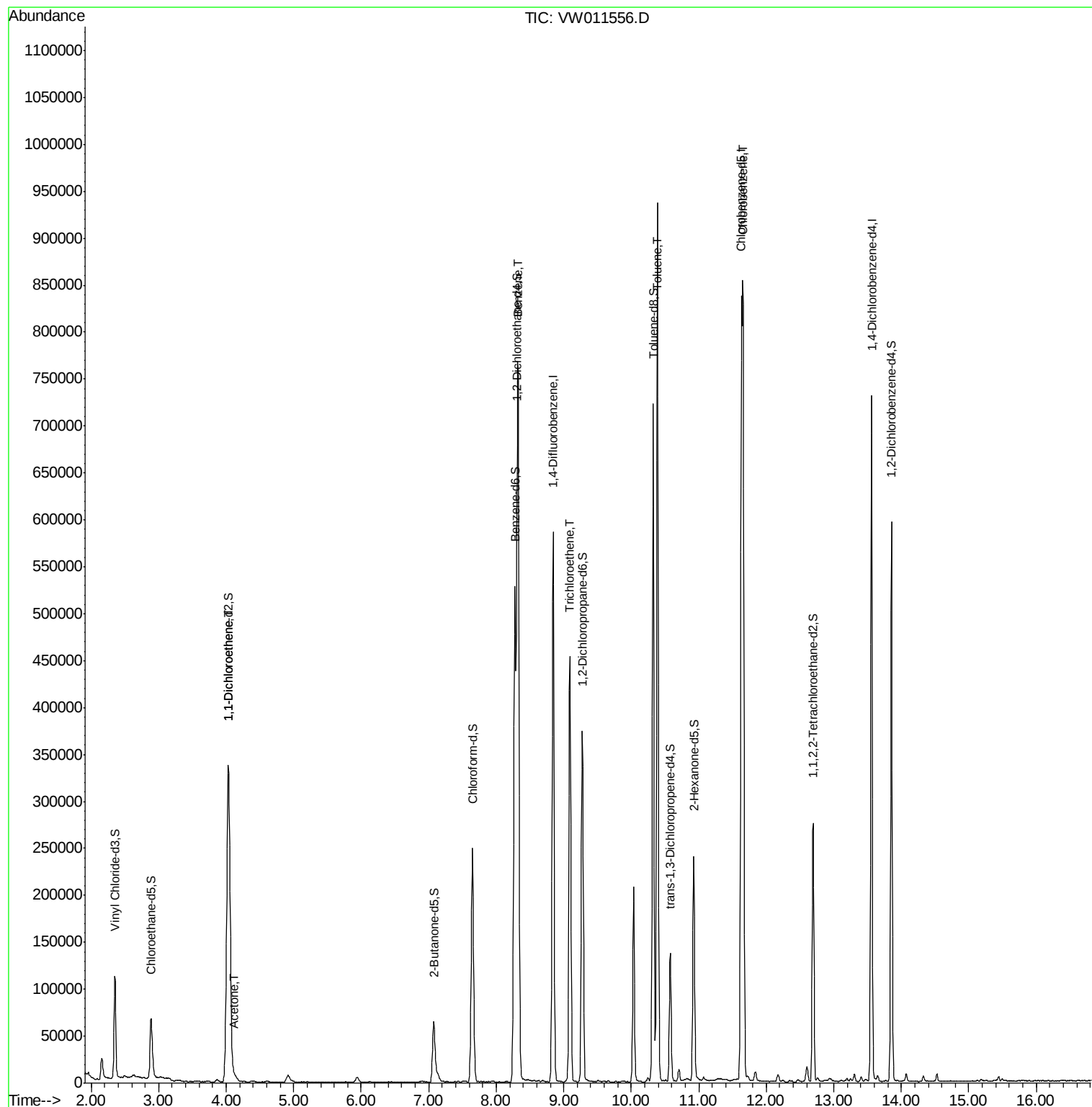
| Target Compounds       | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|------------------------|-------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96   | 136366   | 22.430 | ug/L  | 89     |
| 13) Acetone            | 4.12  | 43   | 4760     | 1.729  | ug/L  | 80     |
| 34) Benzene            | 8.32  | 78   | 636708   | 24.566 | ug/L  | 100    |
| 35) Trichloroethene    | 9.09  | 95   | 159207   | 24.169 | ug/L  | 99     |
| 44) Toluene            | 10.39 | 91   | 658851   | 24.784 | ug/L  | 99     |
| 52) Chlorobenzene      | 11.66 | 112  | 387750   | 24.186 | ug/L  | 99     |

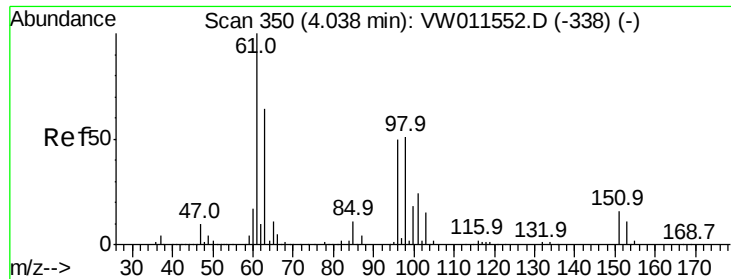
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Jul 30 05:56:36 2019  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 22.430 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011556.D

Acq: 29 Jul 2019 13:28

Instrument :

MSVOA\_W

ClientSampleId :

DB940MS

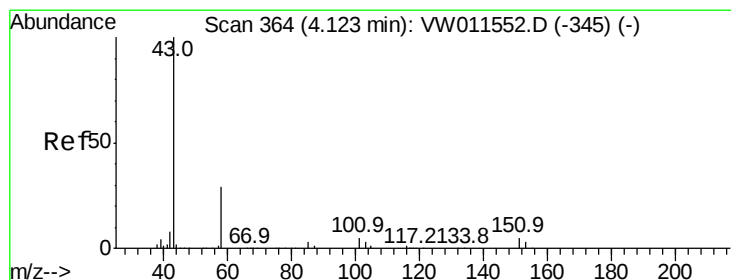
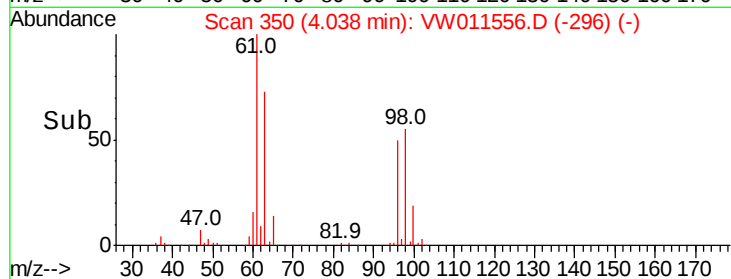
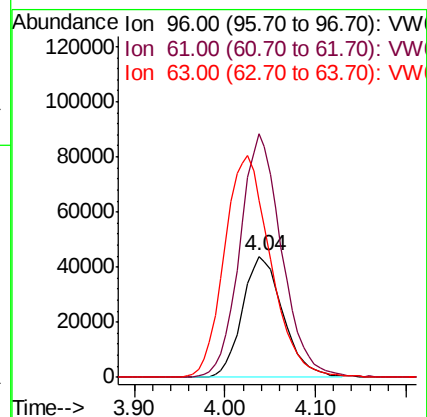
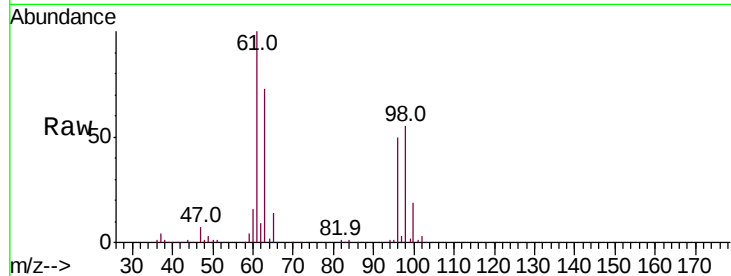
Tot Ion: 96 Resp: 136366

Ion Ratio Lower Upper

96 100

61 201.4 133.2 247.4

63 147.0 89.9 166.9



#13

Acetone

Concen: 1.729 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW011556.D

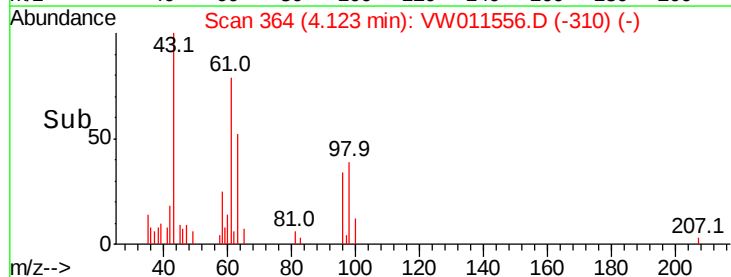
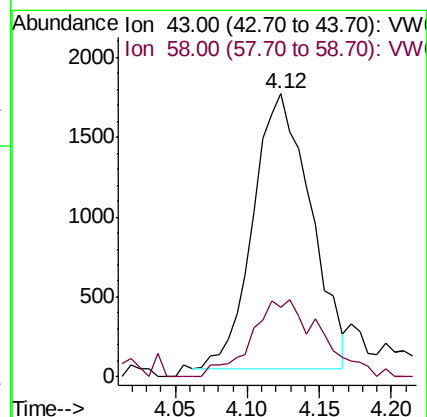
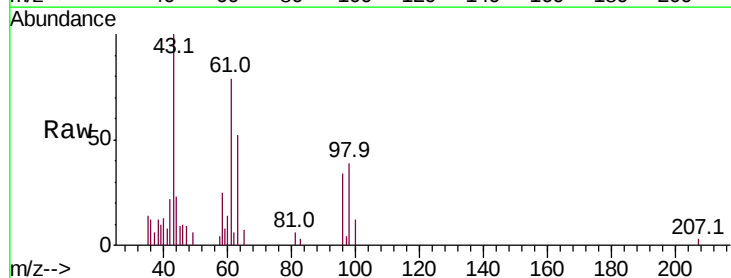
Acq: 29 Jul 2019 13:28

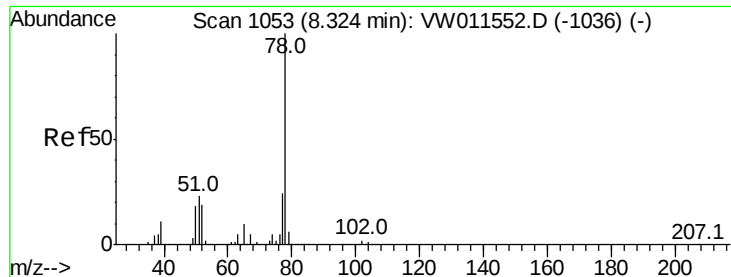
Tgt Ion: 43 Resp: 4760

Ion Ratio Lower Upper

43 100

58 17.8 0.0 57.2





#34

Benzene

Concen: 24.566 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011556.D

Acq: 29 Jul 2019 13:28

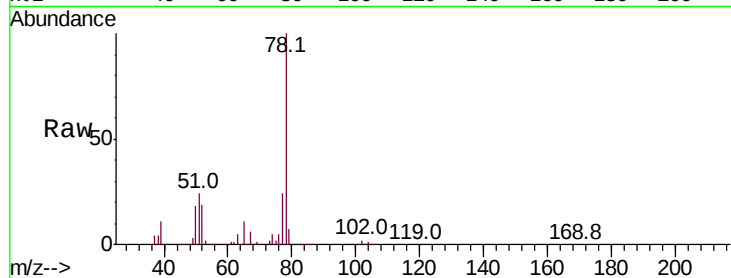
Instrument :

MSVOA\_W

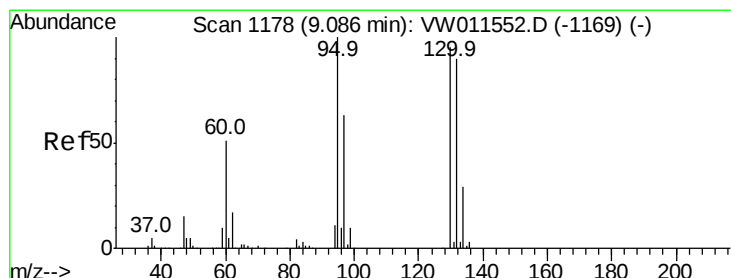
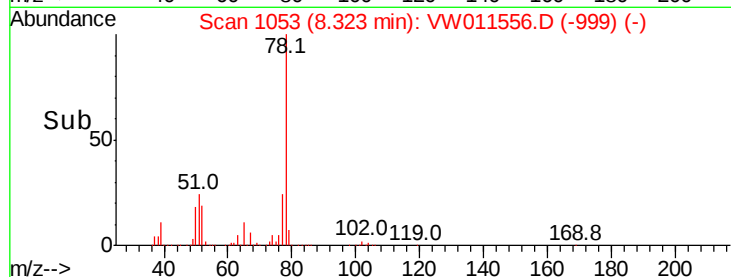
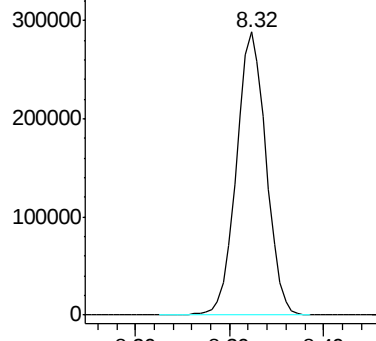
ClientSampleId :

DB940MS

Tgt Ion: 78 Resp: 636708



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.169 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011556.D

Acq: 29 Jul 2019 13:28

Tgt Ion: 95 Resp: 159207

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.1  | 44.6  | 82.8  |
| 132 | 92.4  | 66.0  | 122.6 |
| 130 | 96.3  | 68.4  | 127.0 |

95 100

97 64.1 44.6 82.8

132 92.4 66.0 122.6

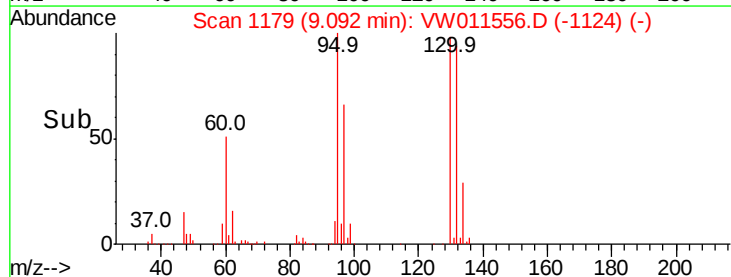
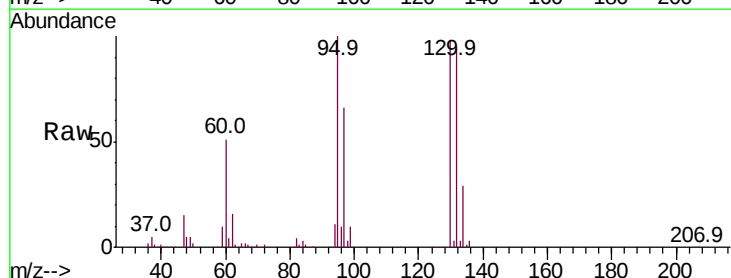
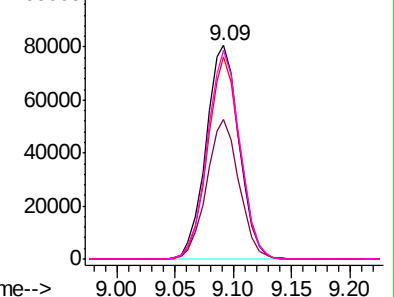
130 96.3 68.4 127.0

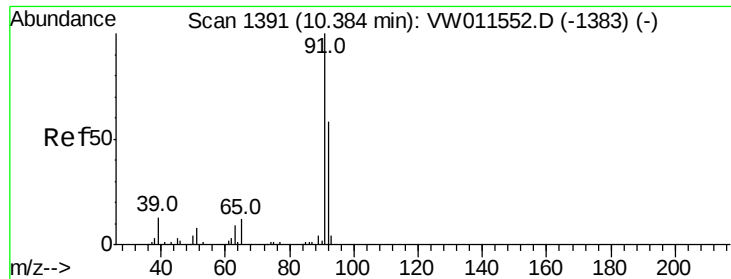
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 24.784 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011556.D

Acq: 29 Jul 2019 13:28

Instrument :

MSVOA\_W

ClientSampleId :

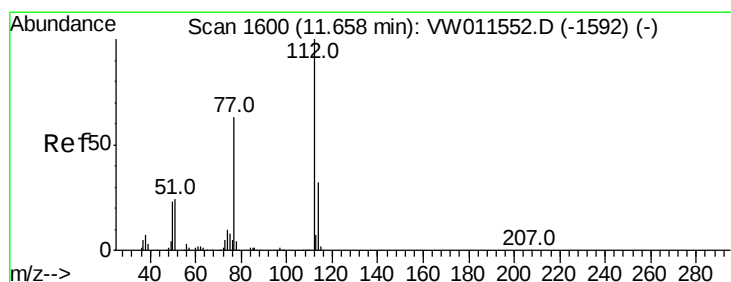
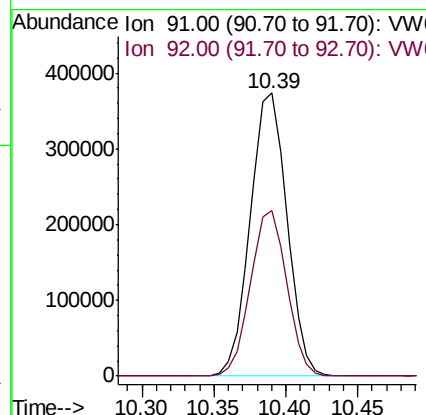
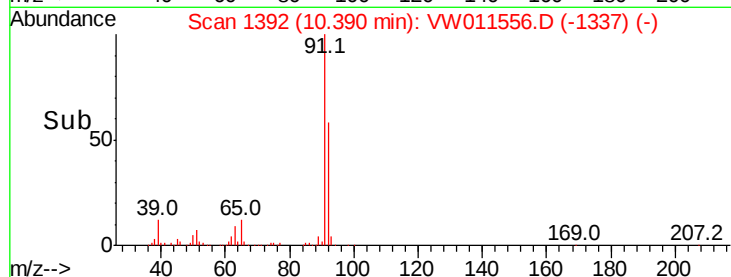
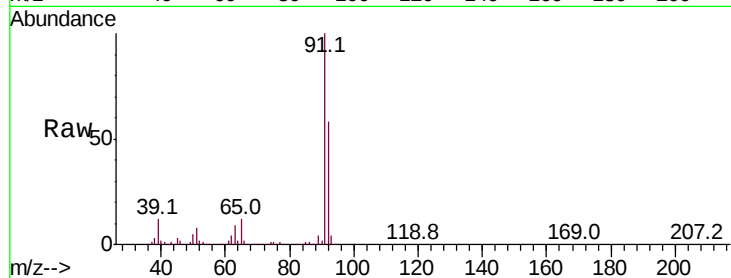
DB940MS

Tot Ion: 91 Resp: 658851

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.4



#52

Chlorobenzene

Concen: 24.186 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011556.D

Acq: 29 Jul 2019 13:28

Tgt Ion: 112 Resp: 387750

Ion Ratio Lower Upper

112 100

77 64.6 52.2 78.2

114 32.5 22.0 41.0

