

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072920\  
 Data File : VW015995.D  
 Acq On : 29 Jul 2020 17:50  
 Operator : SY/VA  
 Sample : L3492-04MSD  
 Misc : 3.98G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 D0AA0MSD

Quant Time: Jul 30 03:52:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 30 03:30:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 505191   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 446481   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 187030   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 141740   | 19.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.52% |
| 7) Chloroethane-d5             | 2.90   | 69    | 117325   | 20.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.04% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 306932   | 21.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 85.20% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 60931    | 32.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.08% |
| 24) Chloroform-d               | 7.65   | 84    | 288880   | 20.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.44% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 143712   | 18.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 73.80% |
| 29) Benzene-d6                 | 8.28   | 84    | 596700   | 21.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.84% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 177993   | 21.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.40% |
| 37) Toluene-d8                 | 10.33  | 98    | 524452   | 21.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.20% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 64613    | 18.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.44% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 46626    | 34.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 116242   | 18.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 74.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 161560   | 22.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.60% |

## Target Compounds

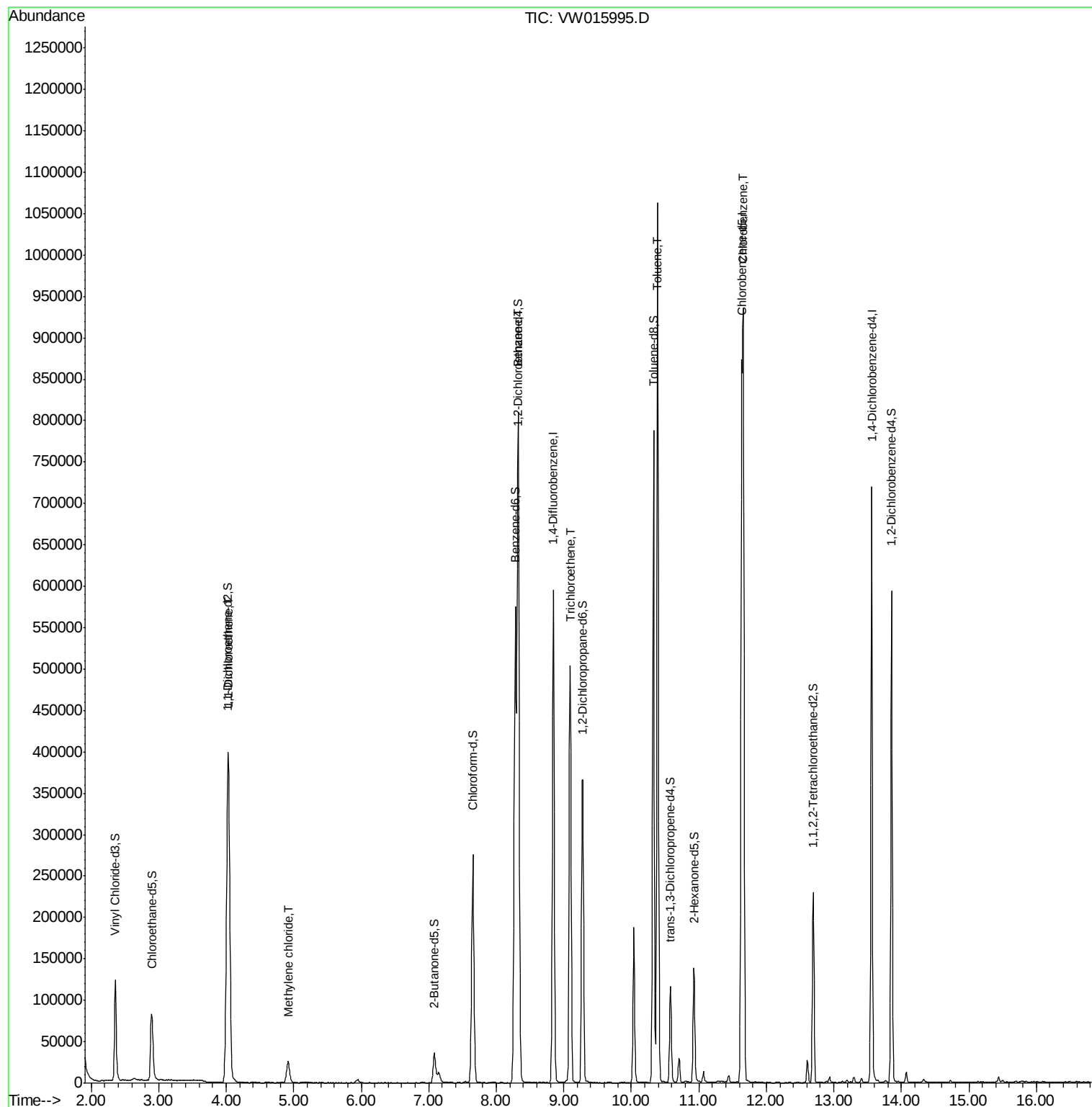
|                        |       |     |        |        | Ovalue   |
|------------------------|-------|-----|--------|--------|----------|
| 12) 1,1-Dichloroethene | 4.04  | 96  | 157846 | 24.306 | ug/L 97  |
| 16) Methylene chloride | 4.91  | 84  | 19397  | 2.343  | ug/L 94  |
| 34) Benzene            | 8.33  | 78  | 726010 | 26.773 | ug/L 100 |
| 35) Trichloroethene    | 9.10  | 95  | 184326 | 25.696 | ug/L 99  |
| 44) Toluene            | 10.39 | 91  | 764084 | 26.865 | ug/L 99  |
| 52) Chlorobenzene      | 11.66 | 112 | 460385 | 25.262 | ug/L 99  |

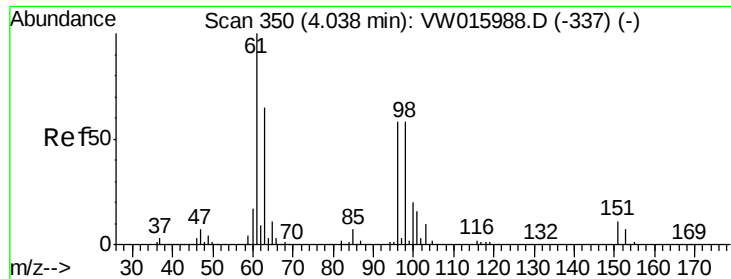
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Jul 30 03:30:55 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 24.306 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Instrument :

MSVOA\_W

ClientSampleId :

D0AA0MSD

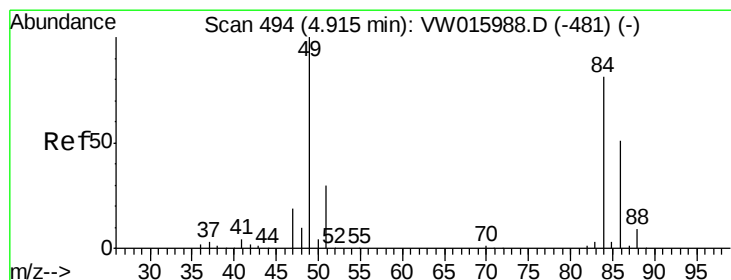
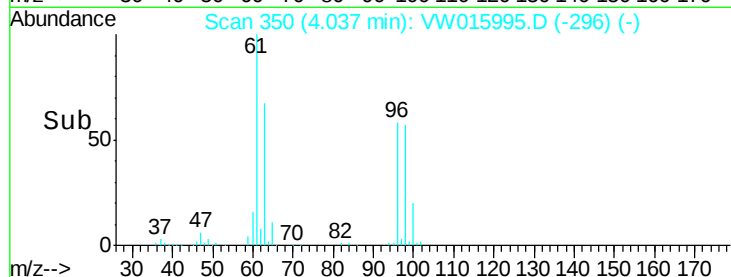
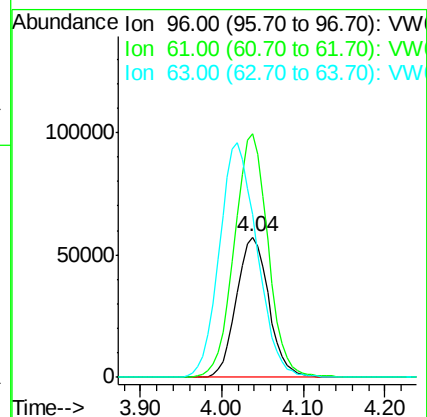
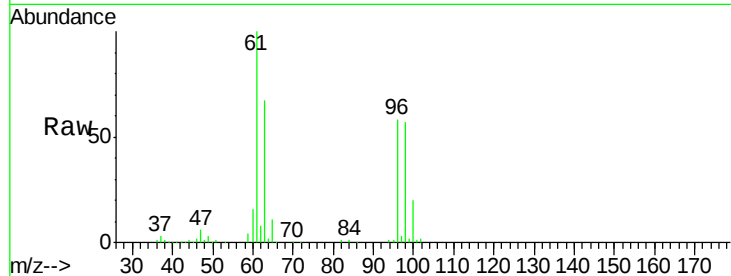
Tot Ion: 96 Resp: 157846

Ion Ratio Lower Upper

96 100

61 173.3 125.0 232.2

63 115.6 82.3 152.8



#16

Methylene chloride

Concen: 2.343 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

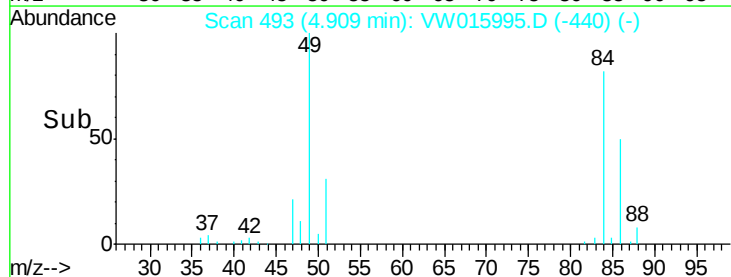
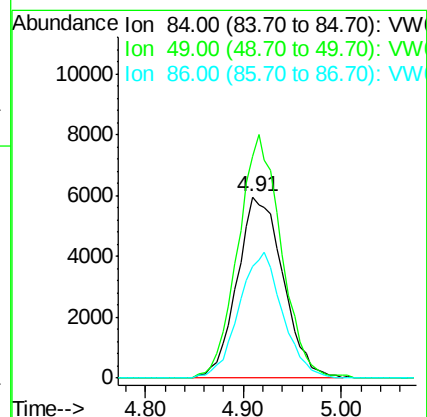
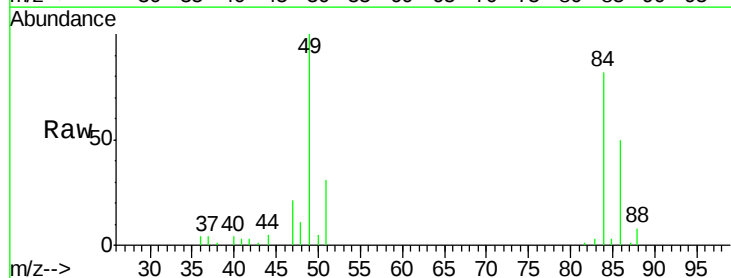
Tgt Ion: 84 Resp: 19397

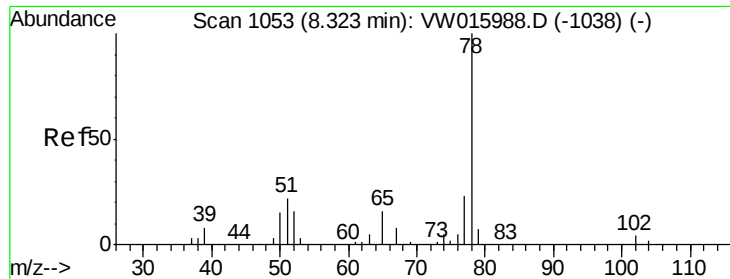
Ion Ratio Lower Upper

84 100

49 122.5 91.1 169.1

86 61.8 46.0 85.4





#34

Benzene

Concen: 26.773 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

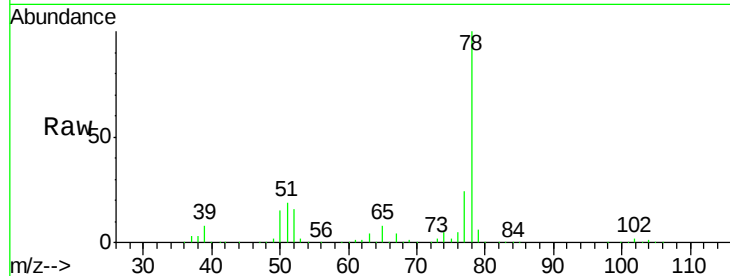
Instrument :

MSVOA\_W

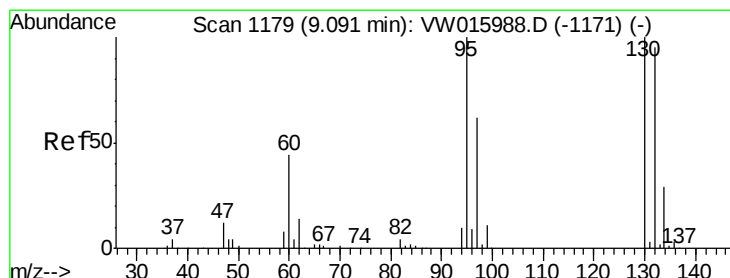
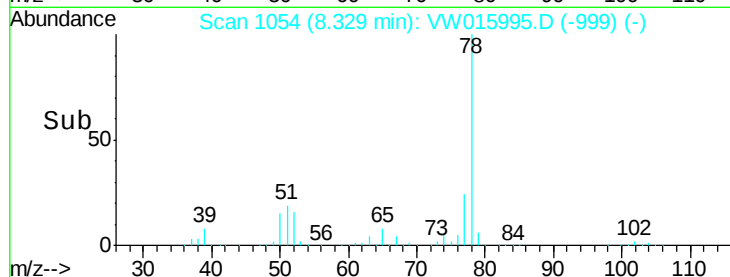
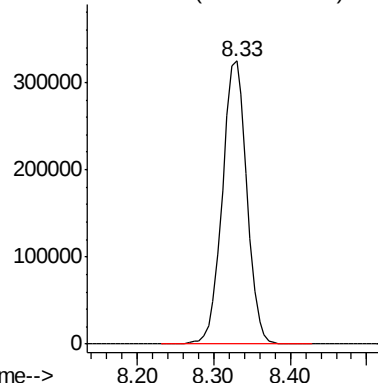
ClientSampleId :

D0AA0MSD

Tgt Ion: 78 Resp: 726010



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.696 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Tgt Ion: 95 Resp: 184326

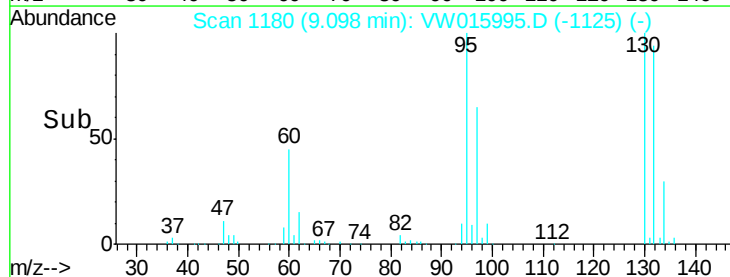
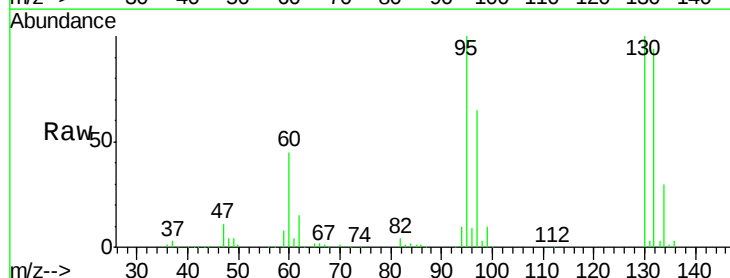
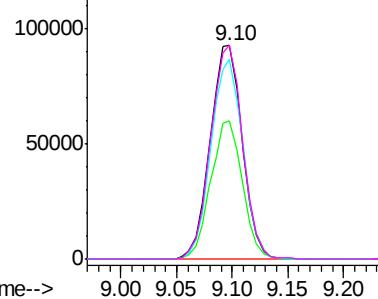
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.9  | 44.4  | 82.4  |
| 132 | 93.4  | 65.1  | 120.9 |
| 130 | 99.7  | 68.6  | 127.4 |

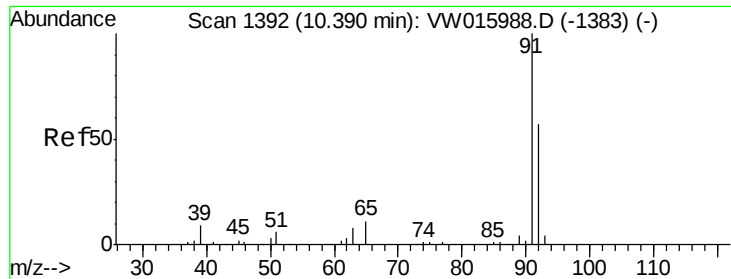
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.865 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Instrument :

MSVOA\_W

ClientSampleId :

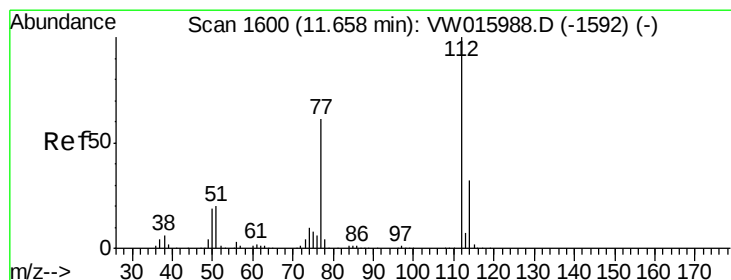
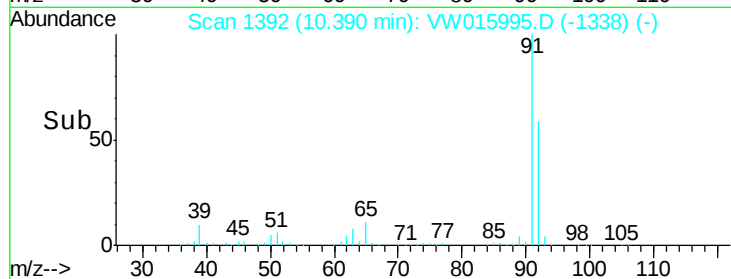
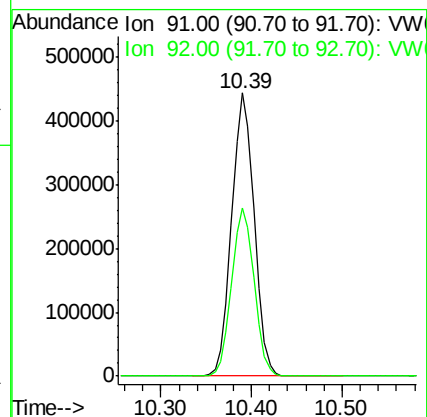
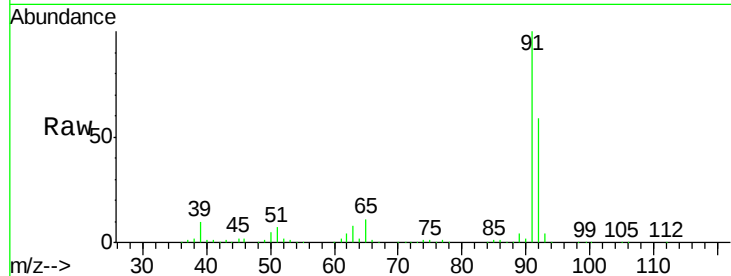
D0AA0MSD

Tot Ion: 91 Resp: 764084

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.4



#52

Chlorobenzene

Concen: 25.262 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015995.D

Acq: 29 Jul 2020 17:50

Tgt Ion: 112 Resp: 460385

Ion Ratio Lower Upper

112 100

77 60.3 47.8 71.6

114 32.0 22.1 41.1

