

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
 Data File : VW013881.D  
 Acq On : 01 Nov 2019 05:10  
 Operator : SY/VA  
 Sample : K5552-14  
 Misc : 5.53G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQC7

Quant Time: Nov 01 06:13:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 01 05:55:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 321781   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 316660   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 171454   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 137843   | 28.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 112.56% |
| 7) Chloroethane-d5             | 2.89   | 69    | 111703   | 29.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 116.60% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 204178   | 20.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 83.32%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 71961    | 41.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.60%  |
| 24) Chloroform-d               | 7.65   | 84    | 284080   | 28.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 115.40% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 146805   | 27.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.64% |
| 29) Benzene-d6                 | 8.27   | 84    | 607822   | 29.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 118.52% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 183591   | 29.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 565059   | 28.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 115.20% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 71303    | 25.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.40% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 59794    | 42.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.50%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 130449   | 23.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 197776   | 29.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 119.80% |

## Target Compounds

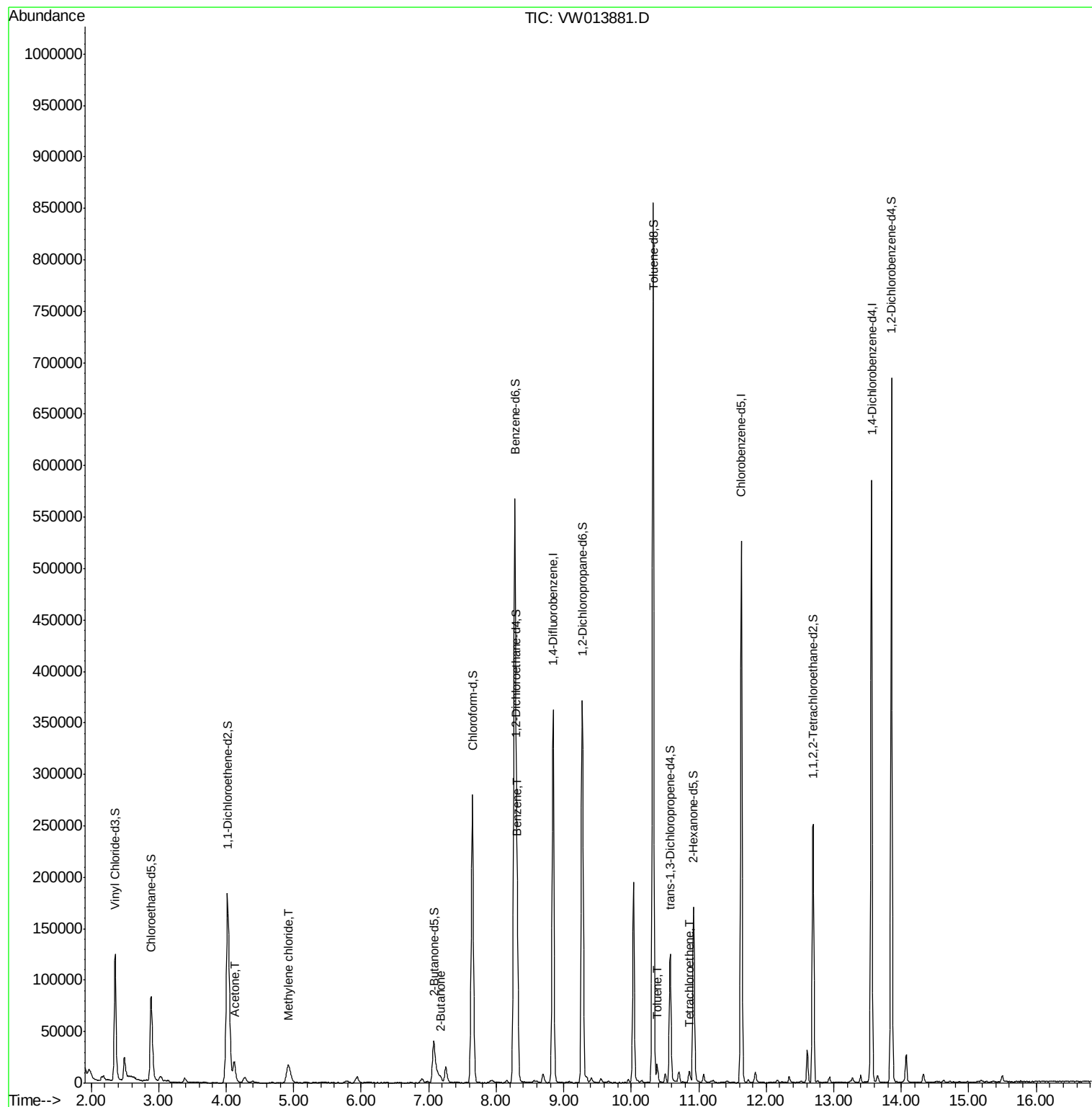
|                        |       |     |       |             | Qvalue |
|------------------------|-------|-----|-------|-------------|--------|
| 13) Acetone            | 4.12  | 43  | 34057 | 21.137 ug/L | 97     |
| 16) Methylene chloride | 4.92  | 84  | 15867 | 2.522 ug/L  | 94     |
| 21) 2-Butanone         | 7.18  | 43  | 7568  | 3.273 ug/L  | 100    |
| 34) Benzene            | 8.32  | 78  | 13440 | 0.612 ug/L  | 100    |
| 44) Toluene            | 10.39 | 91  | 12722 | 0.537 ug/L  | 98     |
| 47) Tetrachloroethene  | 10.86 | 164 | 2968  | 0.570 ug/L  | 77     |

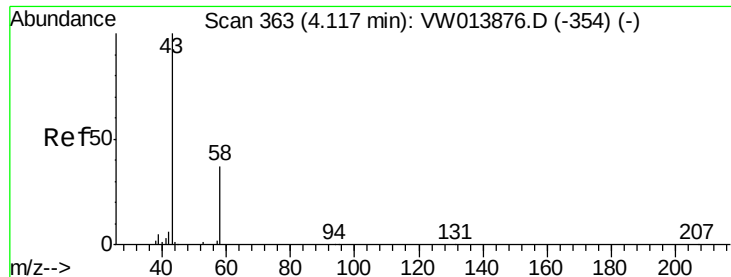
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 01 05:55:58 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 21.137 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013881.D

Acq: 01 Nov 2019 05:10

Instrument :

MSVOA\_W

ClientSampled :

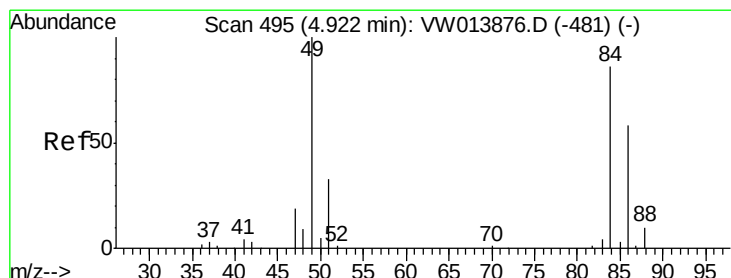
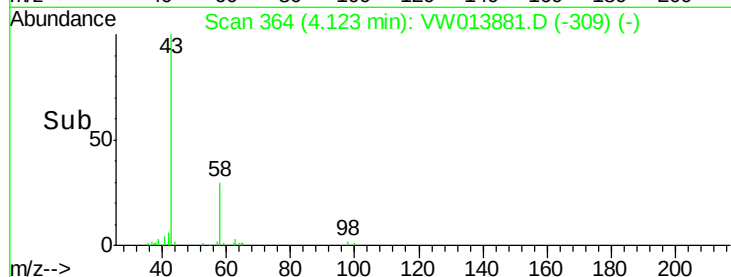
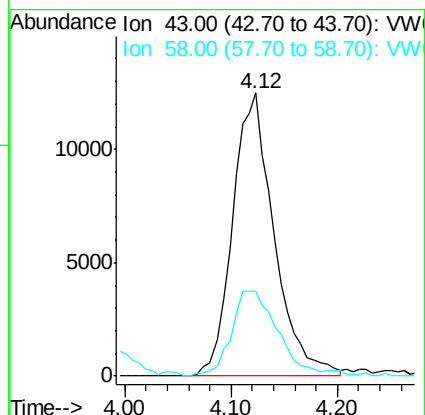
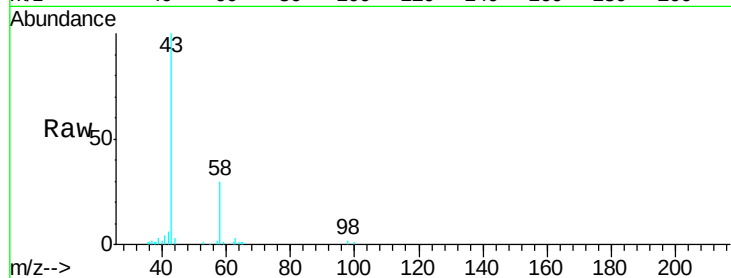
GAQC7

Tgt Ion: 43 Resp: 34057

Ion Ratio Lower Upper

43 100

58 33.3 0.0 63.4



#16

Methylene chloride

Concen: 2.522 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW013881.D

Acq: 01 Nov 2019 05:10

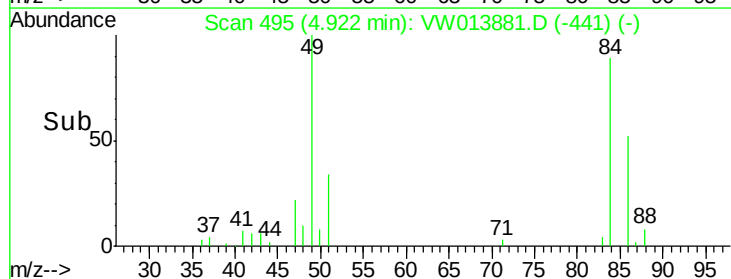
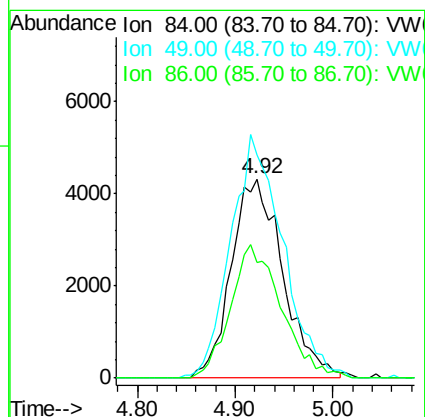
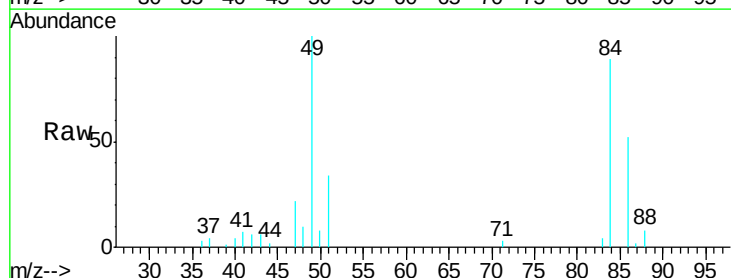
Tgt Ion: 84 Resp: 15867

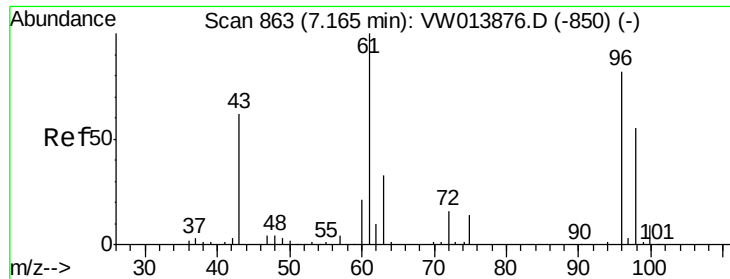
Ion Ratio Lower Upper

84 100

49 112.2 82.2 152.6

86 57.9 45.6 84.8





#21

2-Butanone

Concen: 3.273 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013881.D

Acq: 01 Nov 2019 05:10

Instrument :

MSVOA\_W

ClientSampled :

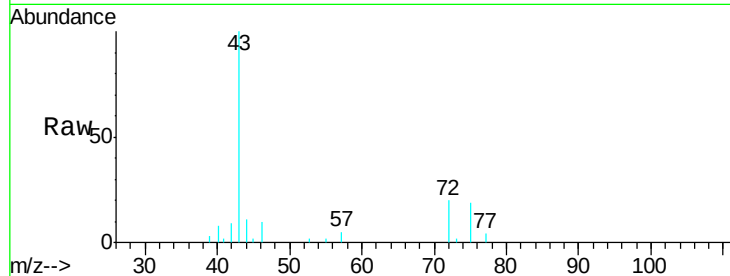
GAQC7

Tgt Ion: 43 Resp: 7568

Ion Ratio Lower Upper

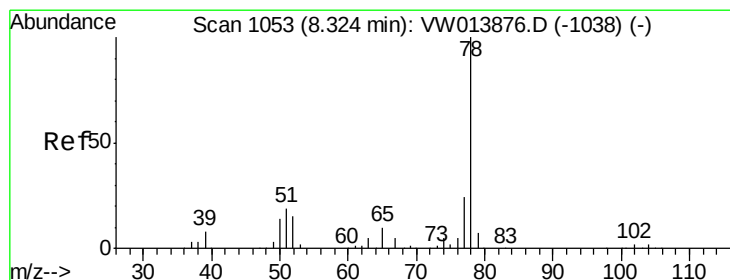
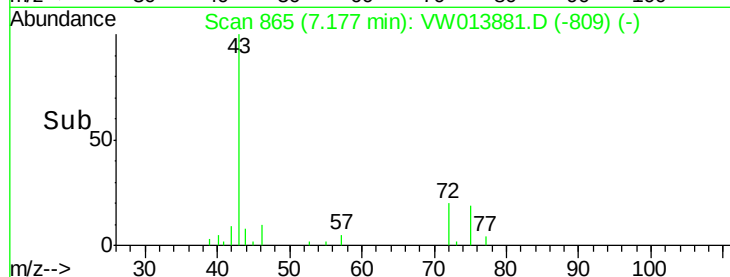
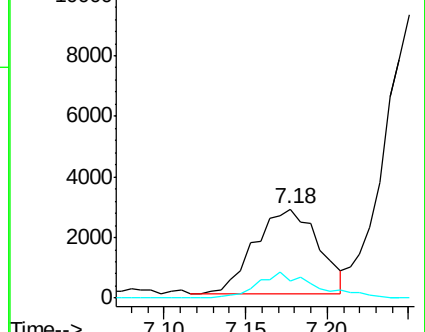
43 100

72 28.1 14.0 41.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#34

Benzene

Concen: 0.612 ug/L

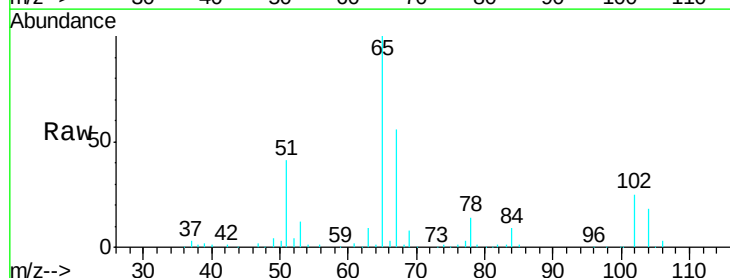
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

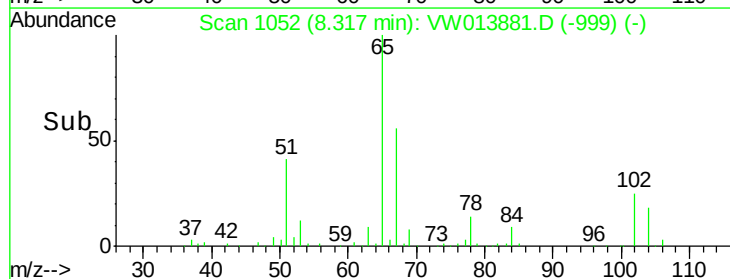
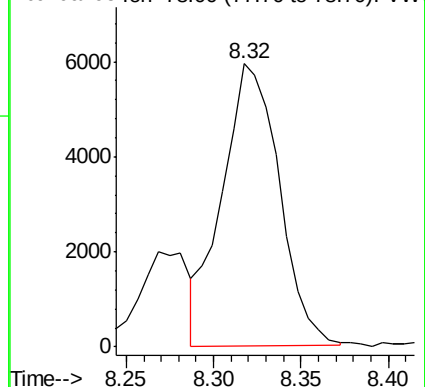
Lab File: VW013881.D

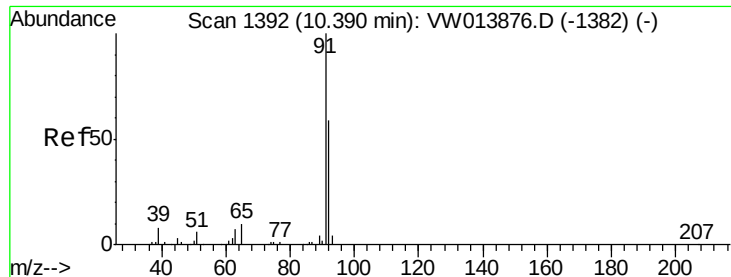
Acq: 01 Nov 2019 05:10

Tgt Ion: 78 Resp: 13440



Abundance Ion 78.00 (77.70 to 78.70): VW





#44

Toluene

Concen: 0.537 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW013881.D

Acq: 01 Nov 2019 05:10

Instrument :

MSVOA\_W

ClientSampleId :

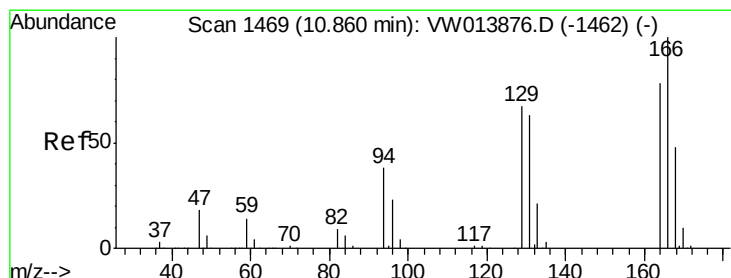
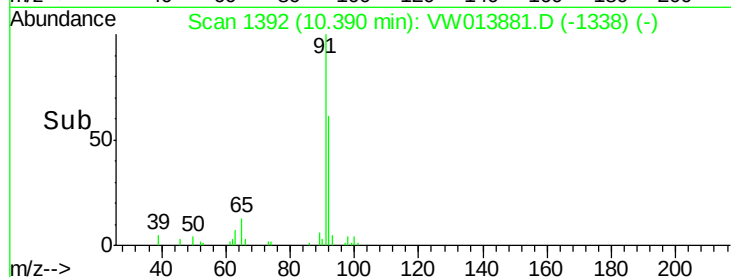
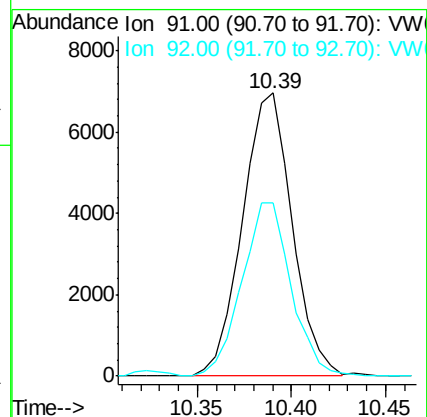
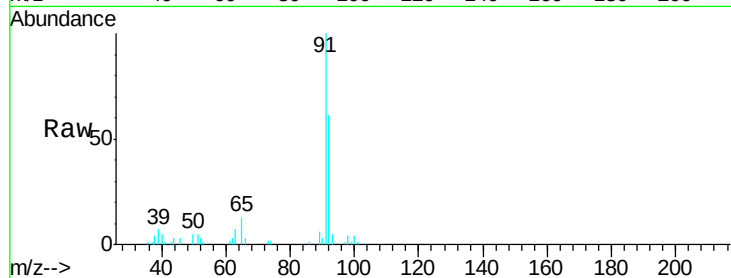
GAQC7

Tgt Ion: 91 Resp: 12722

Ion Ratio Lower Upper

91 100

92 61.4 42.0 78.0



#47

Tetrachloroethene

Concen: 0.570 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013881.D

Acq: 01 Nov 2019 05:10

Tgt Ion: 164 Resp: 2968

Ion Ratio Lower Upper

164 100

129 75.0 62.5 116.1

131 61.9 59.8 111.0

166 100.5 91.6 170.0

