

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052720\  
 Data File : VW015503.D  
 Acq On : 27 May 2020 14:47  
 Operator : SY/VA  
 Sample : L2755-05  
 Misc : 7.39G/10.0mL/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAXD1

Quant Time: May 28 03:02:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 28 01:49:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 350528   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 318483   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 138082   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 88333    | 27.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.00% |
| 7) Chloroethane-d5             | 2.90   | 69    | 84134    | 26.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 105.36% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 134361   | 17.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.68%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 50902    | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.08%  |
| 24) Chloroform-d               | 7.65   | 84    | 191866   | 23.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 111514   | 24.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 387839   | 24.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.32%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 116567   | 24.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.24%  |
| 37) Toluene-d8                 | 10.32  | 98    | 361019   | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 48160    | 21.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.72%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 43596    | 53.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.10% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 86045    | 24.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 112525   | 24.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.28%  |

## Target Compounds

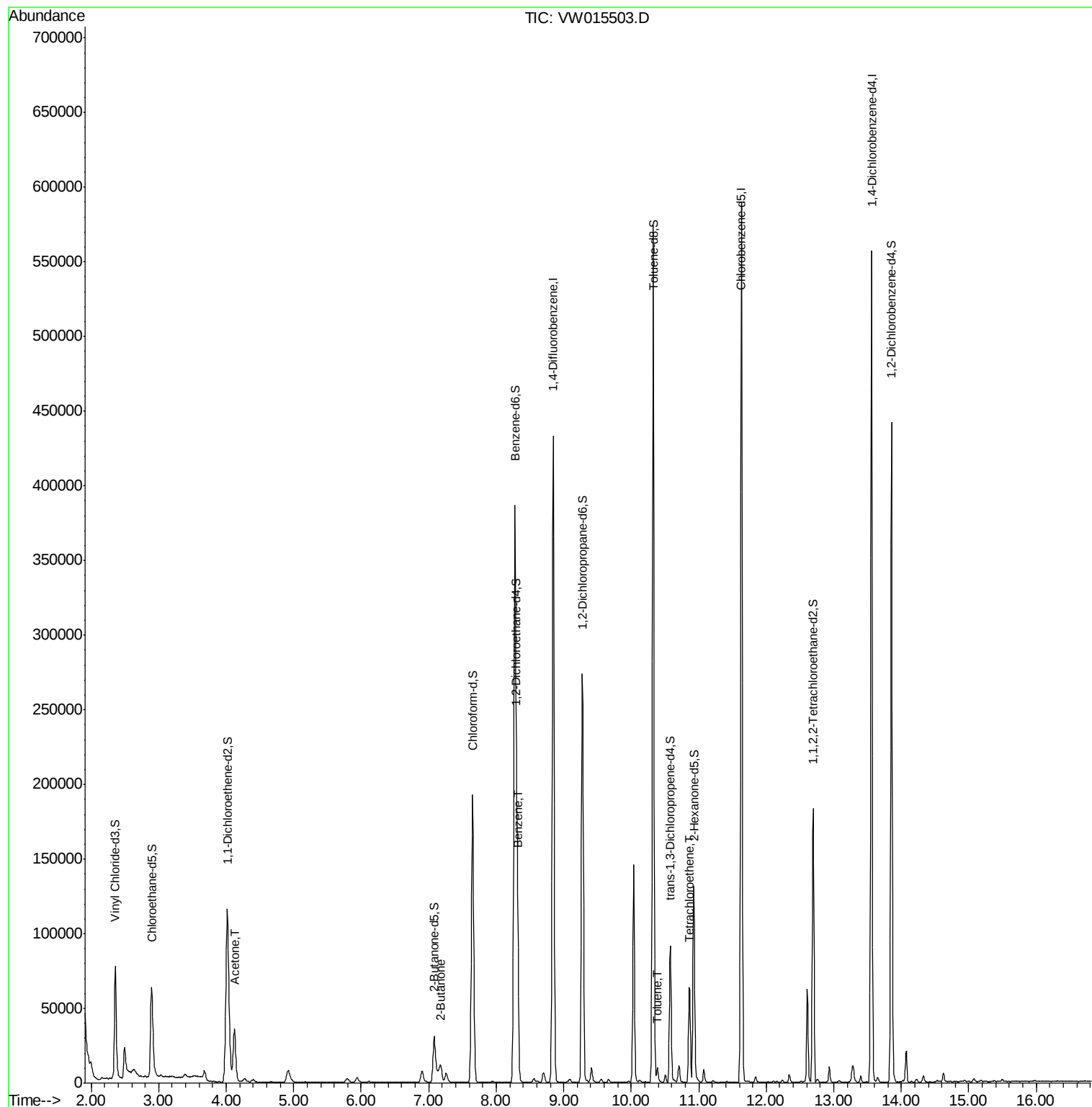
|                       |       |     |       |        | Ovalue   |
|-----------------------|-------|-----|-------|--------|----------|
| 13) Acetone           | 4.12  | 43  | 61530 | 75.892 | ug/L 100 |
| 21) 2-Butanone        | 7.18  | 43  | 15788 | 12.676 | ug/L 98  |
| 34) Benzene           | 8.32  | 78  | 14801 | 0.831  | ug/L 100 |
| 44) Toluene           | 10.38 | 91  | 6730  | 0.347  | ug/L 94  |
| 47) Tetrachloroethene | 10.87 | 164 | 14108 | 3.720  | ug/L 96  |

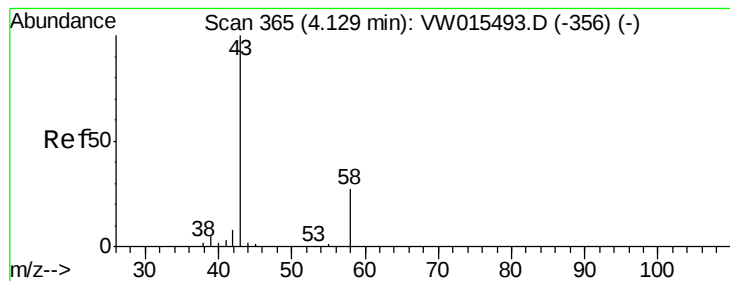
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2755-05  
Misc : 7.39G/10.0mL/MSVOA W/SOIL  
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GAXD1

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Quant Title : VOC Analysis  
QLast Update : Thu May 28 01:49:49 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 75.892 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

Instrument :

MSVOA\_W

ClientSampled :

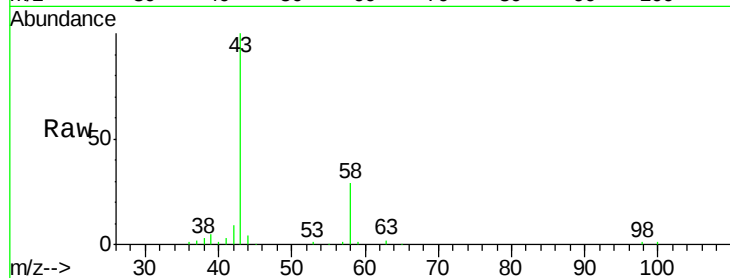
GAXD1

Tot Ion: 43 Resp: 61530

Ion Ratio Lower Upper

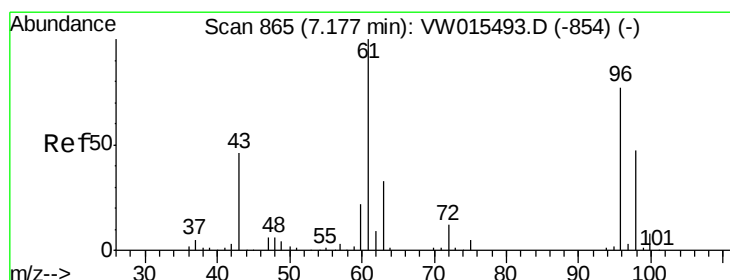
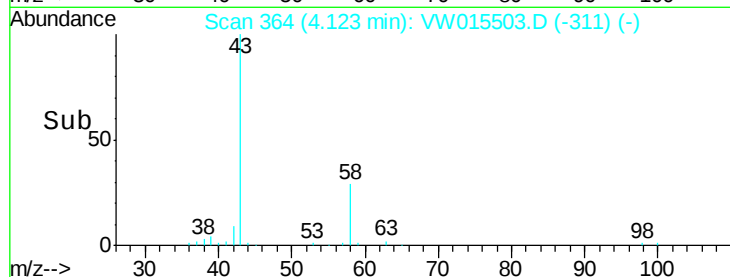
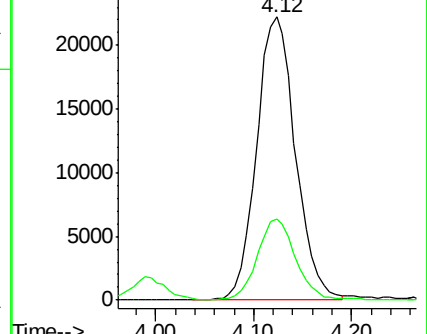
43 100

58 28.5 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 12.676 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015503.D

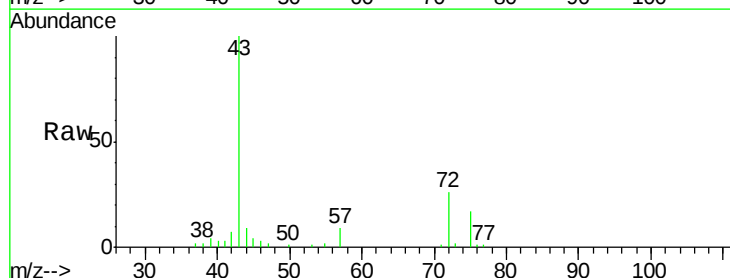
Acq: 27 May 2020 14:47

Tgt Ion: 43 Resp: 15788

Ion Ratio Lower Upper

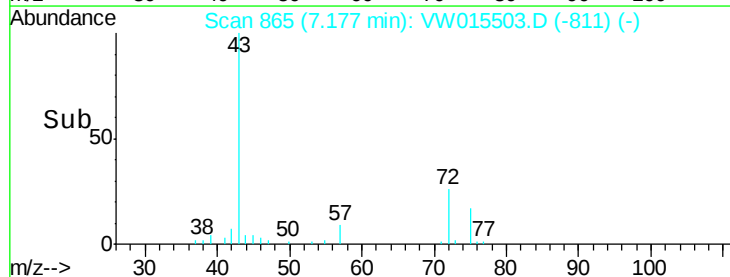
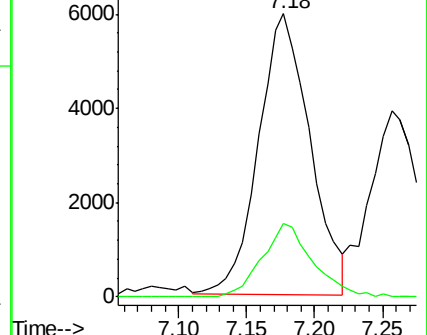
43 100

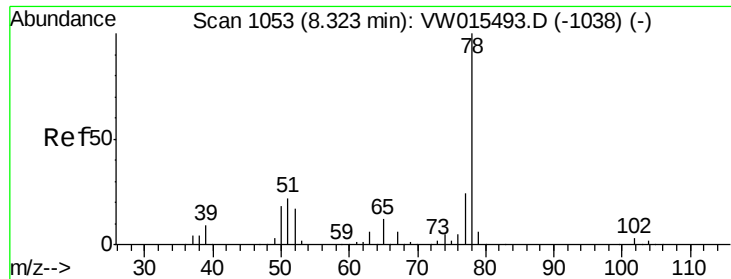
72 25.5 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#34

Benzene

Concen: 0.831 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015503.D

Acq: 27 May 2020 14:47

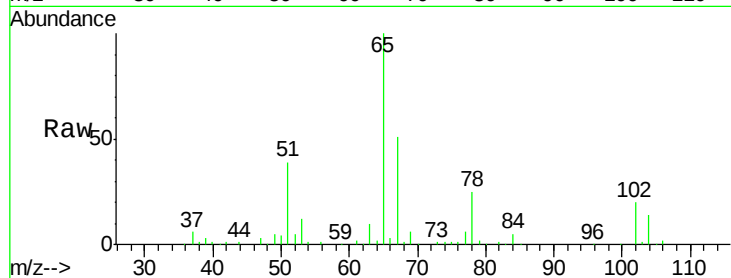
Instrument :

MSVOA\_W

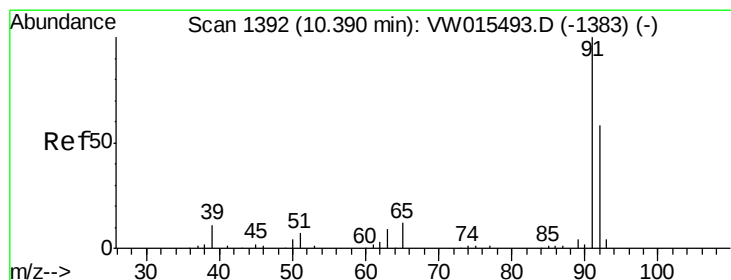
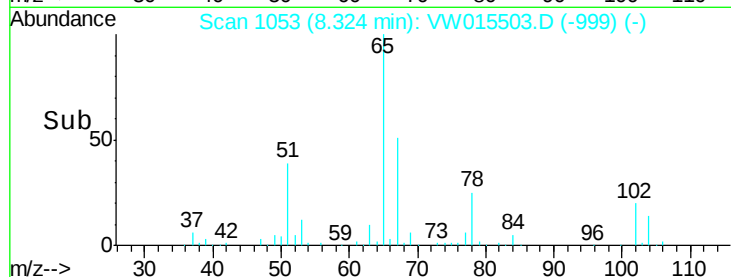
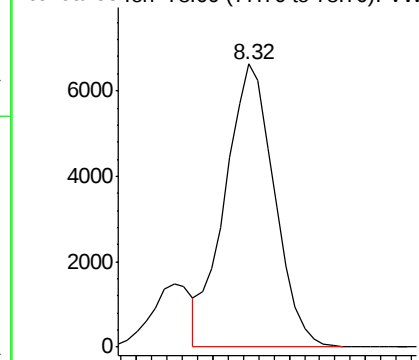
ClientSampled :

GAXD1

Tgt Ion: 78 Resp: 14801



Abundance Ion 78.00 (77.70 to 78.70): VW



#44

Toluene

Concen: 0.347 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015503.D

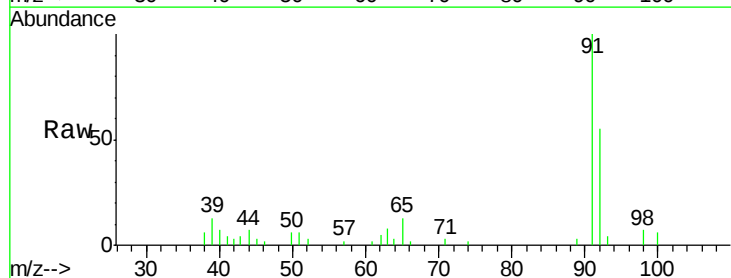
Acq: 27 May 2020 14:47

Tgt Ion: 91 Resp: 6730

Ion Ratio Lower Upper

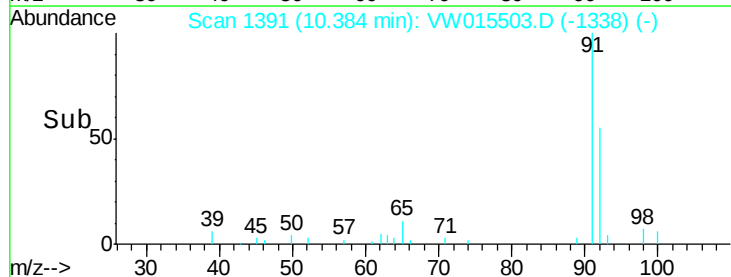
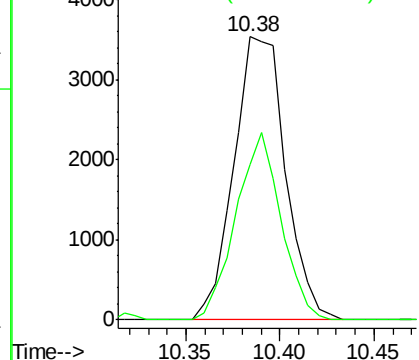
91 100

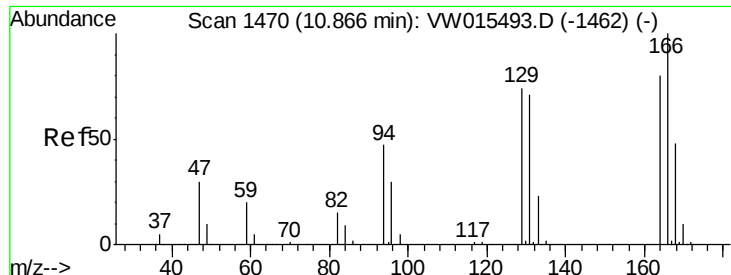
92 55.1 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 3.720 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015503.D

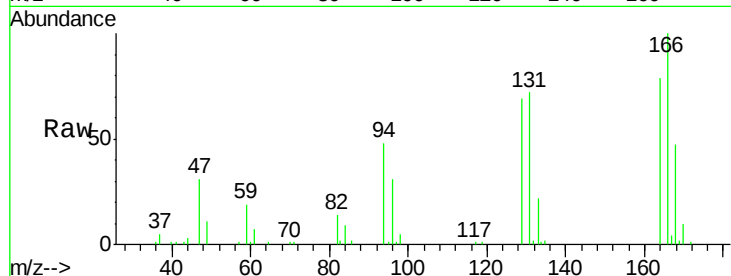
Acq: 27 May 2020 14:47

Instrument :

MSVOA\_W

ClientSampleId :

GAXD1



Tot Ion:164 Resp: 14108

Ion Ratio Lower Upper

164 100

129 87.4 66.3 123.1

131 90.3 65.1 120.9

166 126.2 90.8 168.6

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

