

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\  
 Data File : VW016246.D  
 Acq On : 18 Aug 2020 18:28  
 Operator : SY/VA  
 Sample : L3702-20  
 Misc : 5.02G/10ML/MSVOA W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK01

Quant Time: Aug 19 07:12:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 19 05:49:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 358594   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 344540   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 154313   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 74922    | 16.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.40%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 63390    | 18.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 133639   | 14.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.60%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 58461    | 49.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.94%  |
| 24) Chloroform-d               | 7.65   | 84    | 203998   | 21.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 84.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 110489   | 21.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.48%  |
| 29) Benzene-d6                 | 8.27   | 84    | 398061   | 21.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 118388   | 21.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.92%  |
| 37) Toluene-d8                 | 10.33  | 98    | 361023   | 21.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 50098    | 20.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 50244    | 52.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.68% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 118458   | 26.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 136934   | 25.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.12% |

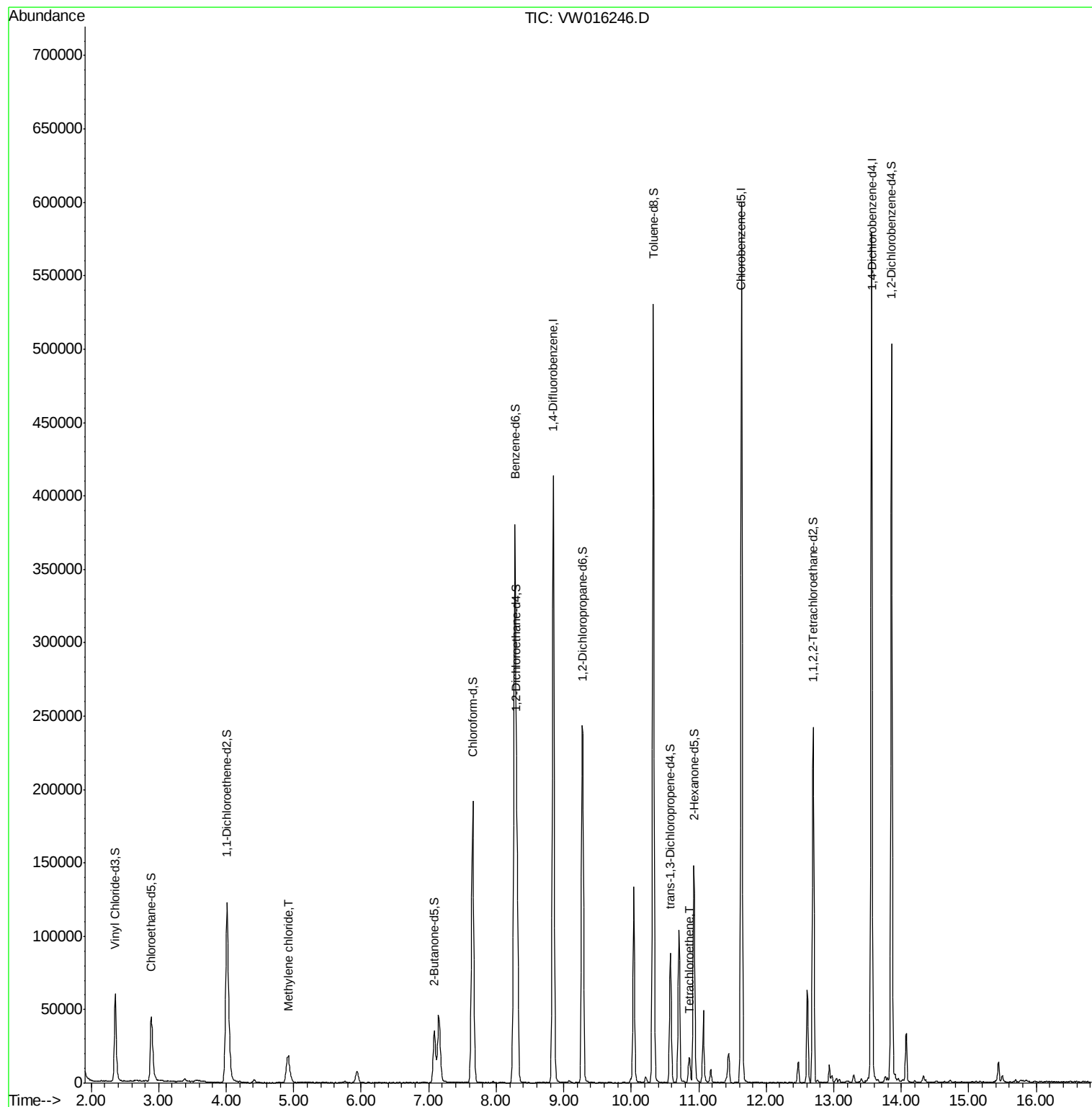
| Target Compounds       |       |     |       |            | Ovalue |
|------------------------|-------|-----|-------|------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 16706 | 2.950 ug/L | 94     |
| 47) Tetrachloroethene  | 10.87 | 164 | 3652  | 0.912 ug/L | 82     |

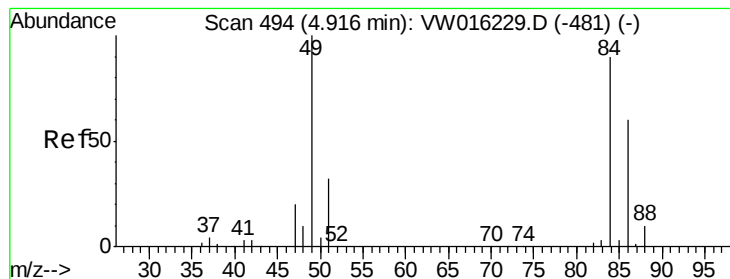
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 19 05:49:31 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 2.950 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016246.D

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Instrument :

MSVOA\_W

ClientSampleId :

VHBLK01

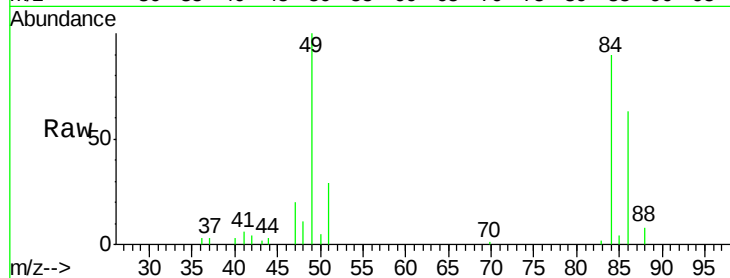
Tot Ion: 84 Resp: 16706

Ion Ratio Lower Upper

84 100

49 110.9 80.4 149.4

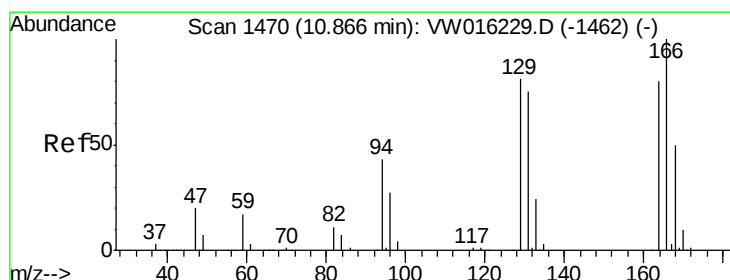
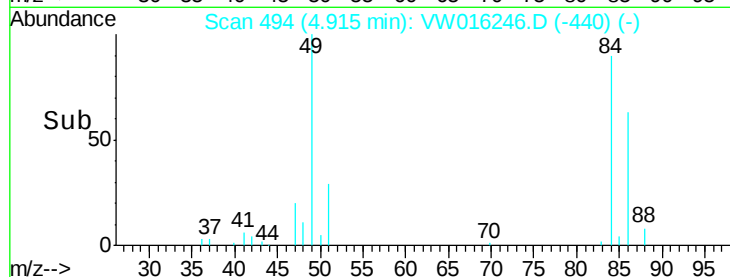
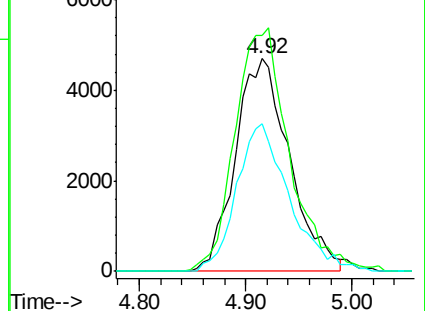
86 69.4 43.8 81.3



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#47

Tetrachloroethene

Concen: 0.912 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016246.D

Acq: 18 Aug 2020 18:28

Tgt Ion: 164 Resp: 3652

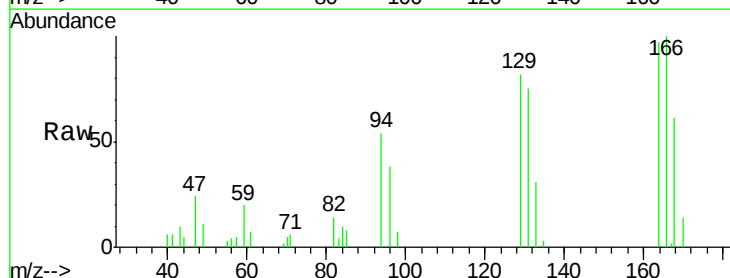
Ion Ratio Lower Upper

164 100

129 84.7 71.5 132.9

131 77.1 65.4 121.4

166 103.2 86.9 161.5



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

