

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\  
 Data File : VV018501.D  
 Acq On : 28 Sep 2020 18:20  
 Operator : SY/MD  
 Sample : L4117-19  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E0AB4

Quant Time: Sep 29 03:43:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 29 00:50:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 331946   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 322199   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 160031   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 93045    | 34.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 68.78%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 83128    | 37.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 75.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 136970   | 27.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.20%# |
| 21) 2-Butanone-d5              | 3.92    | 46    | 159596   | 96.39    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.39%  |
| 24) Chloroform-d               | 4.38    | 84    | 193010   | 41.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 126595   | 42.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.16%  |
| 32) Benzene-d6                 | 5.08    | 84    | 388632   | 42.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 129241   | 44.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.20%  |
| 41) Toluene-d8                 | 7.34    | 98    | 348543   | 41.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.92%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 62357    | 41.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.74%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 94668    | 85.28    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 163489   | 44.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 151628   | 46.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.28%  |

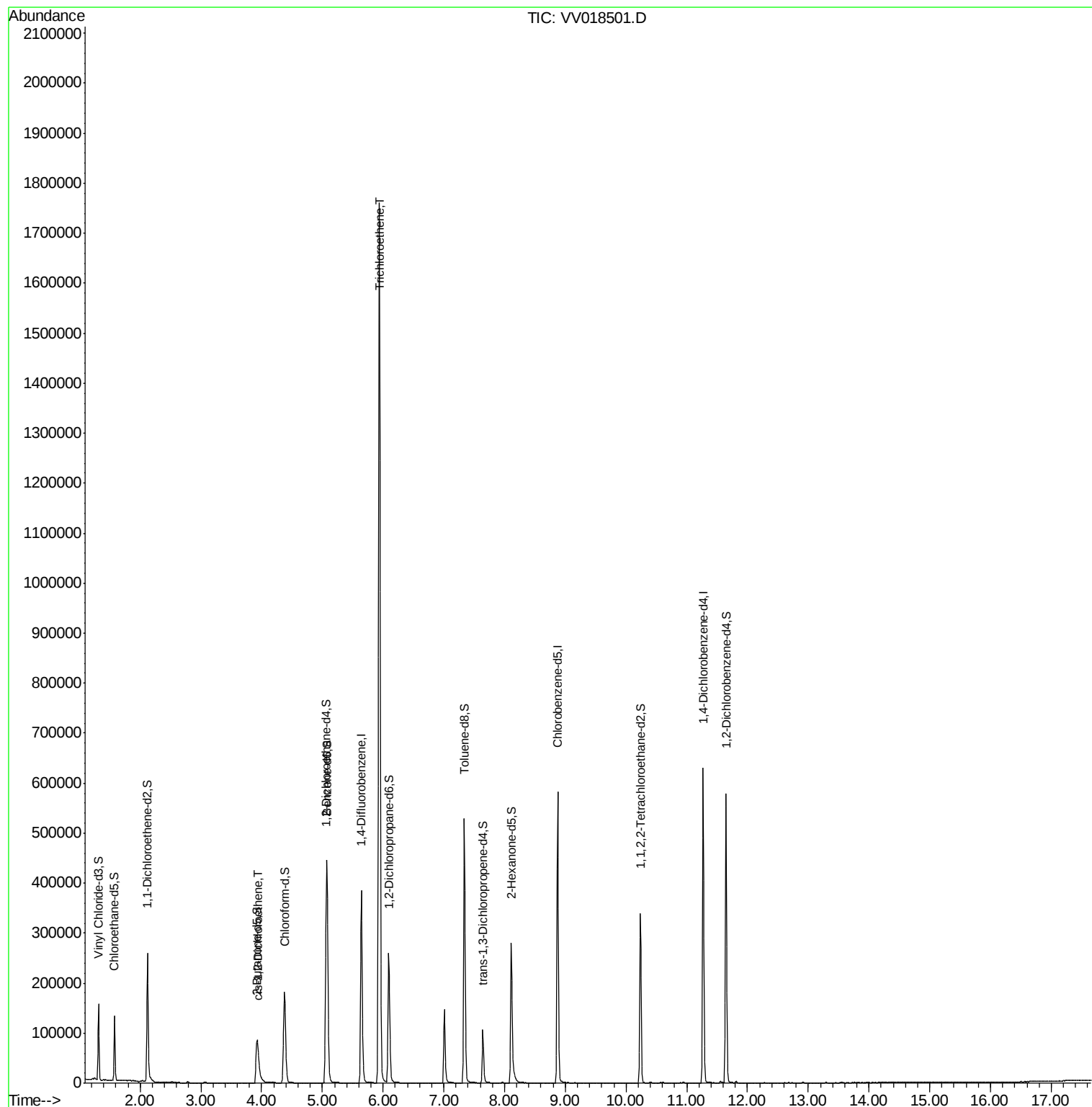
| Target Compounds           |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 20) cis-1,2-Dichloroethene | 3.95 | 96 | 3904   | 1.626 ug/L   | 88     |
| 34) Trichloroethene        | 5.94 | 95 | 618094 | 246.305 ug/L | 99     |

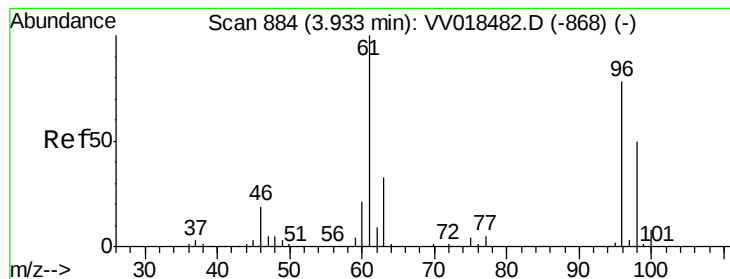
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#20

cis-1,2-Dichloroethene

Concen: 1.626 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV018501.D

Acq: 28 Sep 2020 18:20

Instrument :

MSVOA\_V

ClientSampleId :

E0AB4

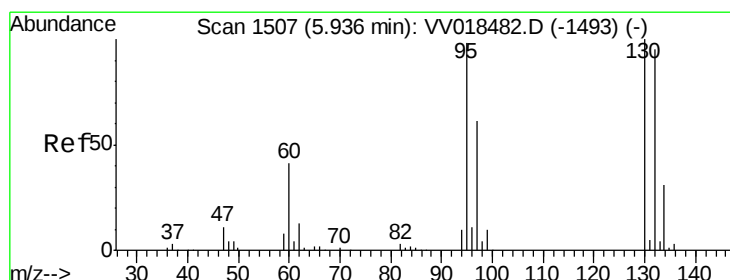
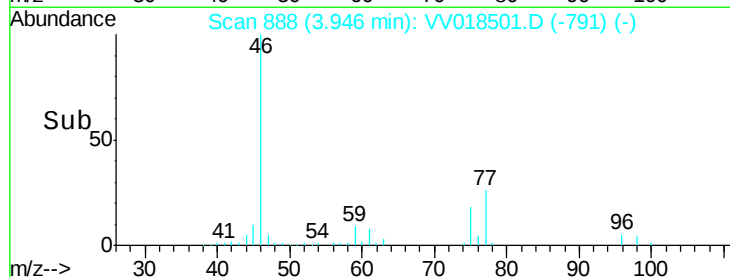
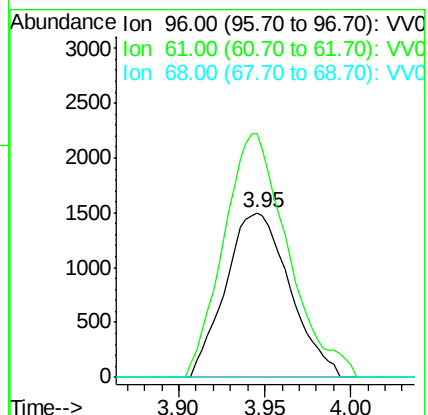
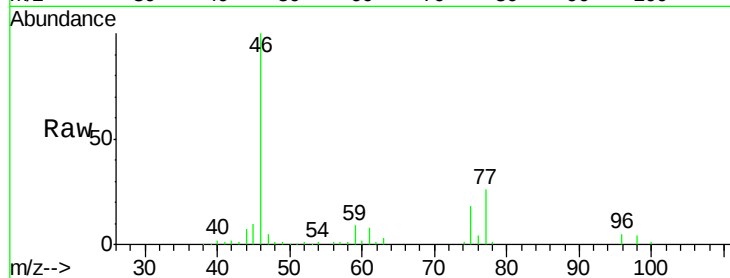
Tot Ion: 96 Resp: 3904

Ion Ratio Lower Upper

96 100

61 147.6 93.6 173.8

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 246.305 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018501.D

Acq: 28 Sep 2020 18:20

Tgt Ion: 95 Resp: 618094

Ion Ratio Lower Upper

95 100

97 64.2 46.3 85.9

132 97.9 68.1 126.5

130 102.5 71.5 132.9

