

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030220\  
 Data File : VW015086.D  
 Acq On : 02 Mar 2020 12:31  
 Operator : SY/VA  
 Sample : VW0302SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 03 02:25:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 03 02:23:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 677321   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 637548   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 237571   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 311423   | 18.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.52%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 246704   | 20.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 437628   | 16.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.40%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 179071   | 63.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 126.48% |
| 24) Chloroform-d               | 7.65   | 84    | 520972   | 23.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.52   | 65    | 139      | 0.01     | ug/L | 0.22    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 1029777  | 23.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.04%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 357533   | 24.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.52%  |
| 37) Toluene-d8                 | 10.32  | 98    | 865874   | 23.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 129946   | 23.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.88%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 114462   | 58.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.88% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 259872   | 27.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 109.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 232063   | 26.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.64% |

## Target Compounds

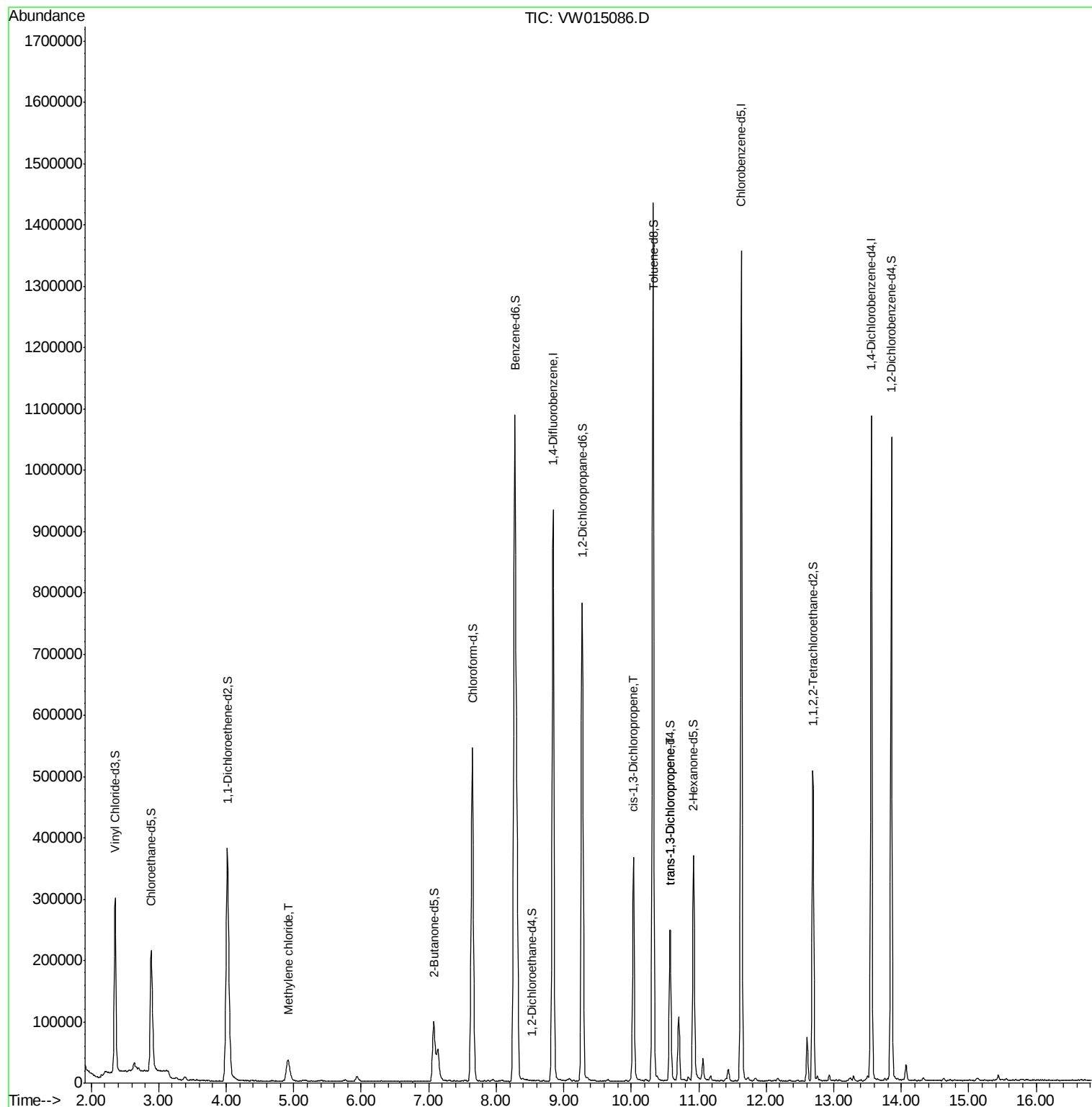
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride        | 4.92  | 84 | 26163 | 2.087 ug/L   | 97     |
| 42) cis-1,3-Dichloropropene   | 10.03 | 75 | 9233  | 0.538 ug/L # | 65     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75 | 6884  | 0.496 ug/L # | 77     |

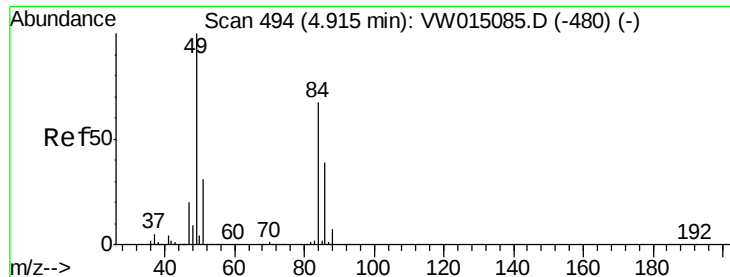
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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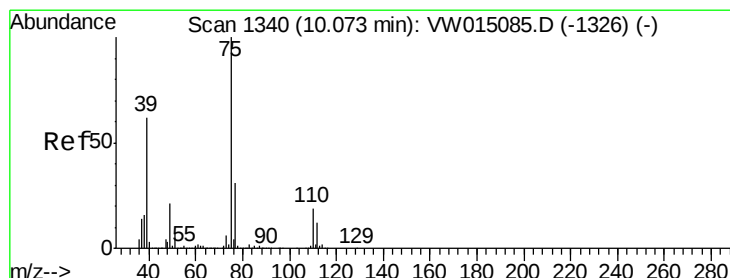
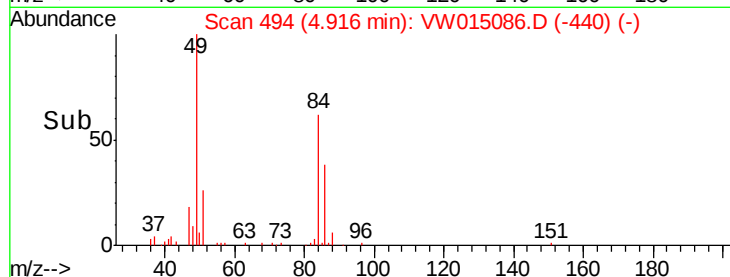
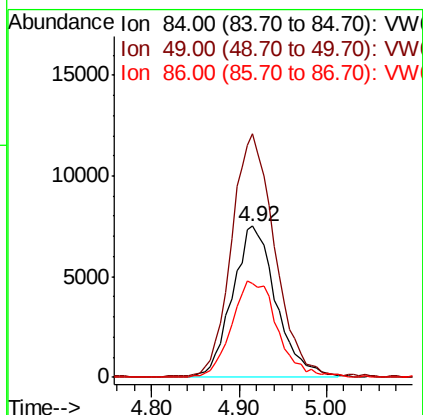
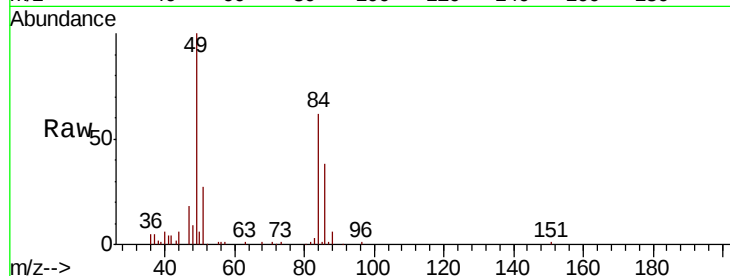




#16  
Methylene chloride  
Concen: 2.087 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW015086.D  
Acq: 02 Mar 2020 12:31

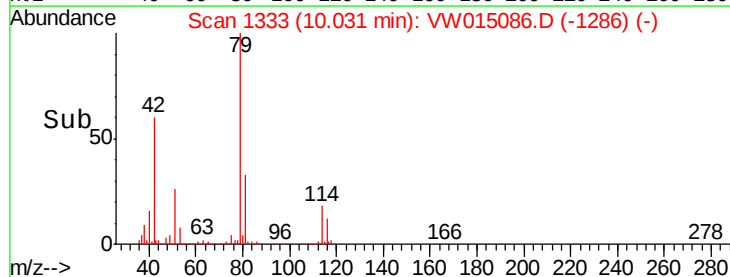
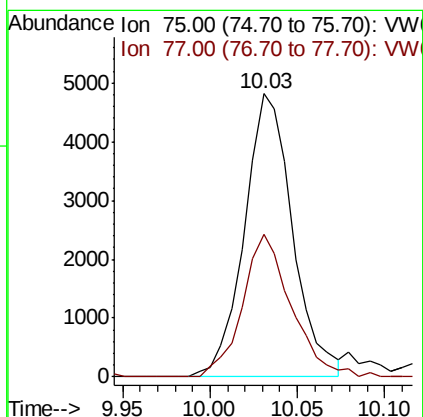
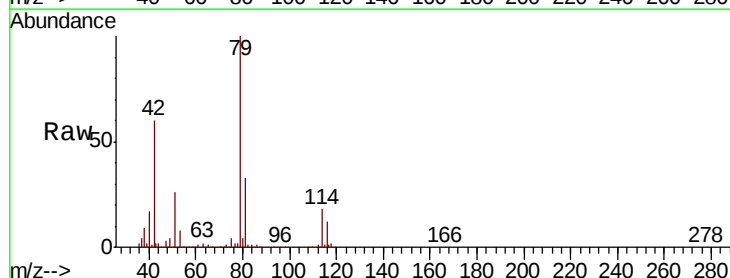
Instrument :  
MSVOA\_W  
ClientSampled :

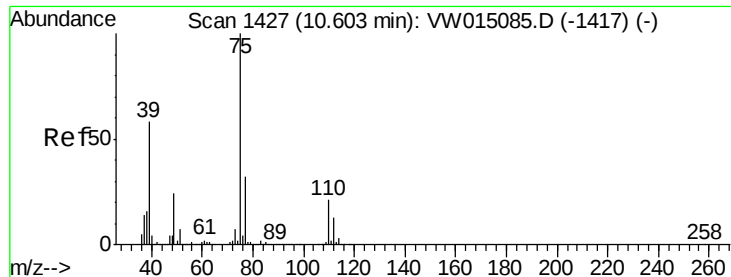
Tot Ion: 84 Resp: 26163  
Ion Ratio Lower Upper  
84 100  
49 161.3 115.6 214.8  
86 61.8 45.9 85.3



#42  
cis-1,3-Dichloropropene  
Concen: 0.538 ug/L  
RT: 10.03 min Scan# 1333  
Delta R.T. -0.04 min  
Lab File: VW015086.D  
Acq: 02 Mar 2020 12:31

Tgt Ion: 75 Resp: 9233  
Ion Ratio Lower Upper  
75 100  
77 50.4 21.9 40.7#





#45

trans-1,3-Dichloropropene

Concen: 0.496 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW015086.D

Acq: 02 Mar 2020 12:31

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 6884

Ion Ratio Lower Upper

75 100

77 43.6 21.6 40.2#

