

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\  
 Data File : VY003688.D  
 Acq On : 08 Dec 2020 20:09  
 Operator : SY/MD  
 Sample : VIBLK80  
 Misc : 5.00G/10ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK80

Quant Time: Dec 09 03:05:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM120420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 09 01:58:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.70  | 114  | 219933   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 216213   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 107467   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 57467    | 18.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.92%  |
| 7) Chloroethane-d5             | 2.77   | 69    | 48135    | 20.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.04%  |
| 10) 1,1-Dichloroethene-d2      | 3.86   | 63    | 90749    | 15.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.00%  |
| 20) 2-Butanone-d5              | 6.90   | 46    | 57670    | 52.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.02% |
| 24) Chloroform-d               | 7.49   | 84    | 125978   | 22.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 75395    | 23.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.68%  |
| 29) Benzene-d6                 | 8.12   | 84    | 276668   | 22.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.40%  |
| 33) 1,2-Dichloropropane-d6     | 9.12   | 67    | 84552    | 22.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.32%  |
| 37) Toluene-d8                 | 10.18  | 98    | 252262   | 22.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.92%  |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 40161    | 22.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.76%  |
| 39) 2-Hexanone-d5              | 10.79  | 63    | 48094    | 51.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.64% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 78634    | 23.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 97088    | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.44%  |

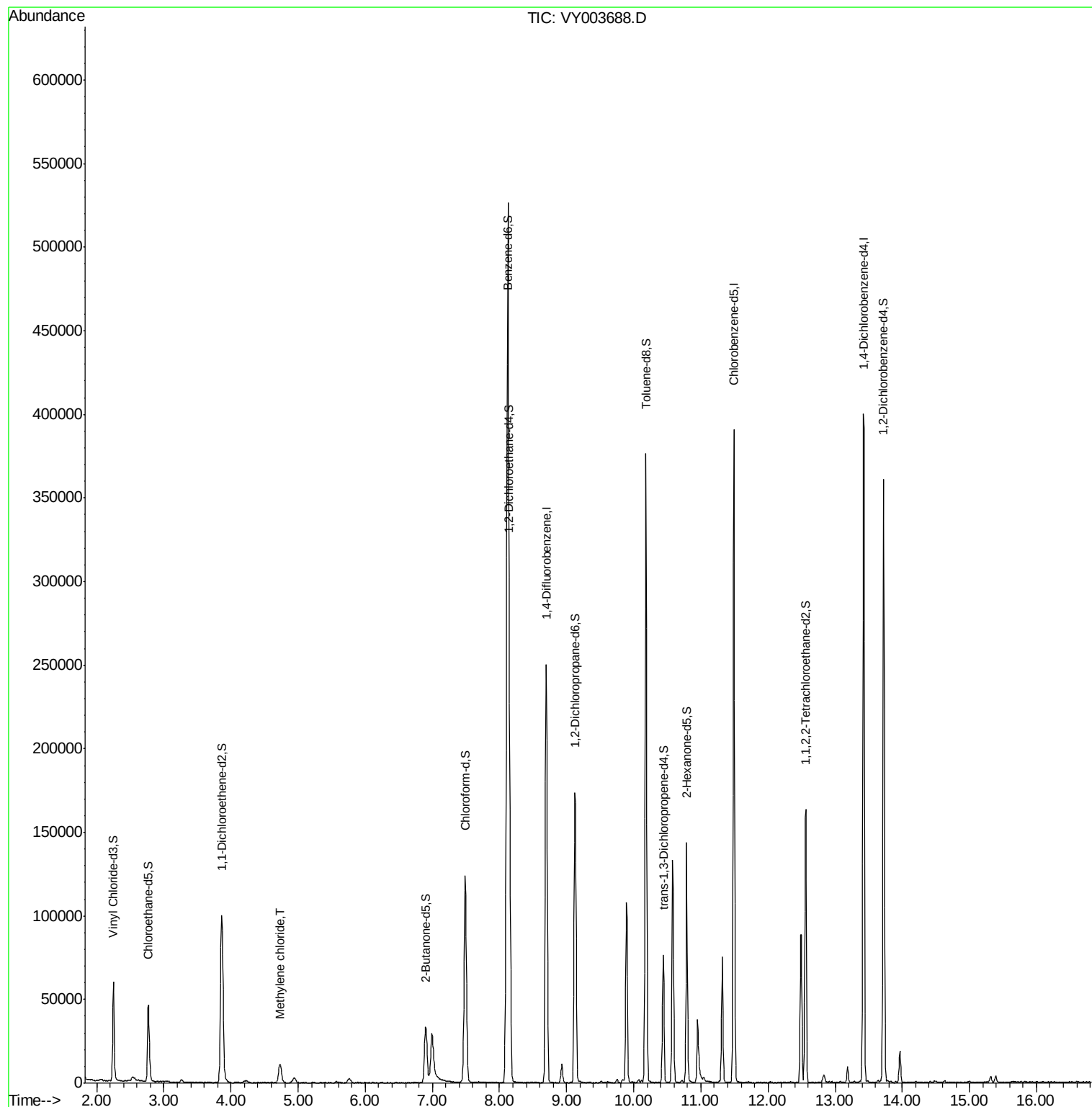
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 4.73 | 84 | 8289 | 2.146 ug/L | 87     |

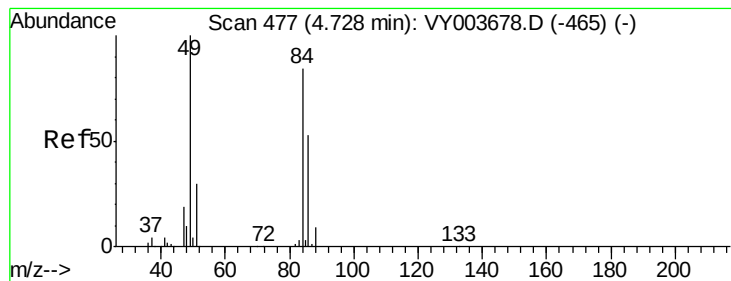
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Dec 09 01:58:23 2020  
Response via : Initial Calibration





#16  
 Methylene chloride  
 Concen: 2.146 ug/L  
 RT: 4.73 min Scan# 477  
 Delta R.T. 0.00 min  
 Lab File: VY003688.D  
 Acq: 08 Dec 2020 20:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK80

Tot Ion: 84 Resp: 8289  
 Ion Ratio Lower Upper  
 84 100  
 49 108.0 83.7 155.4  
 86 50.5 45.0 83.6

