

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV122018\  
 Data File : VV009091.D  
 Acq On : 20 Dec 2018 18:16  
 Operator : SY/MD  
 Sample : J6471-17RE  
 Misc : 4.84 G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9H04RE

Quant Time: Dec 21 01:17:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 21 00:25:26 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 185314   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 146804   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 48250    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 45232    | 23.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.36%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 48090    | 33.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 135.76% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 88758    | 18.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.04%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 22006    | 31.52    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 63.04%  |
| 24) Chloroform-d               | 4.40   | 84    | 117014   | 26.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.08% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 68359    | 28.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.48% |
| 29) Benzene-d6                 | 5.10   | 84    | 230878   | 28.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 112.64% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 68823    | 29.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.92% |
| 37) Toluene-d8                 | 7.36   | 98    | 195309   | 25.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 102.96% |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 23484    | 23.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.16%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 14016    | 33.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.66%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 42259    | 21.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 44894    | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.16%  |

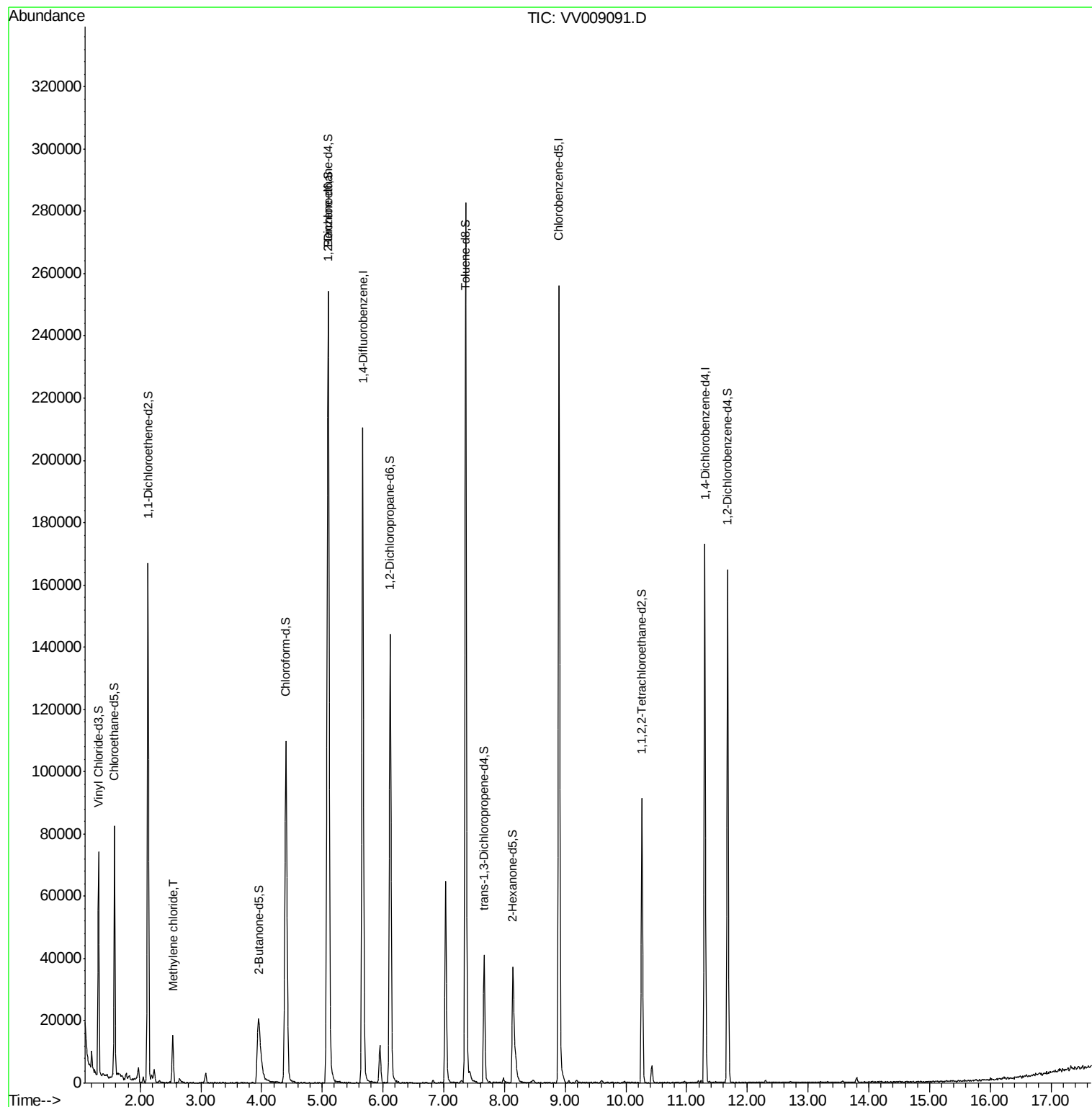
| Target Compounds       |      |    |      |            | Qvalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.54 | 84 | 6737 | 2.159 ug/L | 99     |

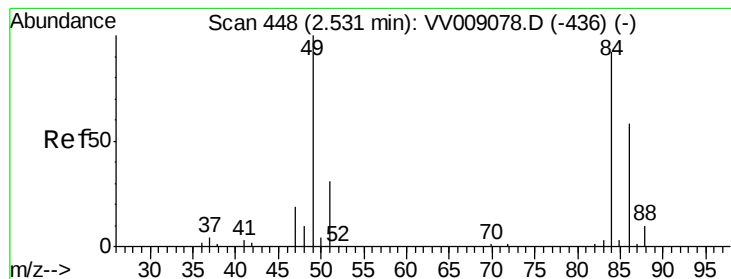
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16  
Methylene chloride  
Concen: 2.159 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.01 min  
Lab File: VV009091.D  
Acq: 20 Dec 2018 18:16

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9H04RE

Tgt Ion: 84 Resp: 6737  
Ion Ratio Lower Upper  
84 100  
49 116.4 80.5 149.5  
86 63.6 45.5 84.5

