

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV122018\  
 Data File : VV009101.D  
 Acq On : 20 Dec 2018 23:50  
 Operator : SY/MD  
 Sample : J6468-08RE  
 Misc : 3.30 G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0JG6RE

Quant Time: Dec 21 02:01:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 21 01:30:11 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 155561   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 83803    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 11953    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 44190    | 27.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 47550    | 39.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 159.92%# |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 83317    | 20.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 82.80%   |
| 20) 2-Butanone-d5              | 3.94   | 46    | 37744    | 64.40    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 128.80%  |
| 24) Chloroform-d               | 4.40   | 84    | 129670   | 34.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 138.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 73457    | 35.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 143.96%# |
| 29) Benzene-d6                 | 5.10   | 84    | 214840   | 45.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 183.60%# |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 79409    | 60.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 242.40%# |
| 37) Toluene-d8                 | 7.36   | 98    | 153284   | 35.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 141.56%# |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 20217    | 35.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 140.48%# |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 16966    | 70.68    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 141.36%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 55498    | 50.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 201.96%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 13786    | 30.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 122.92%# |

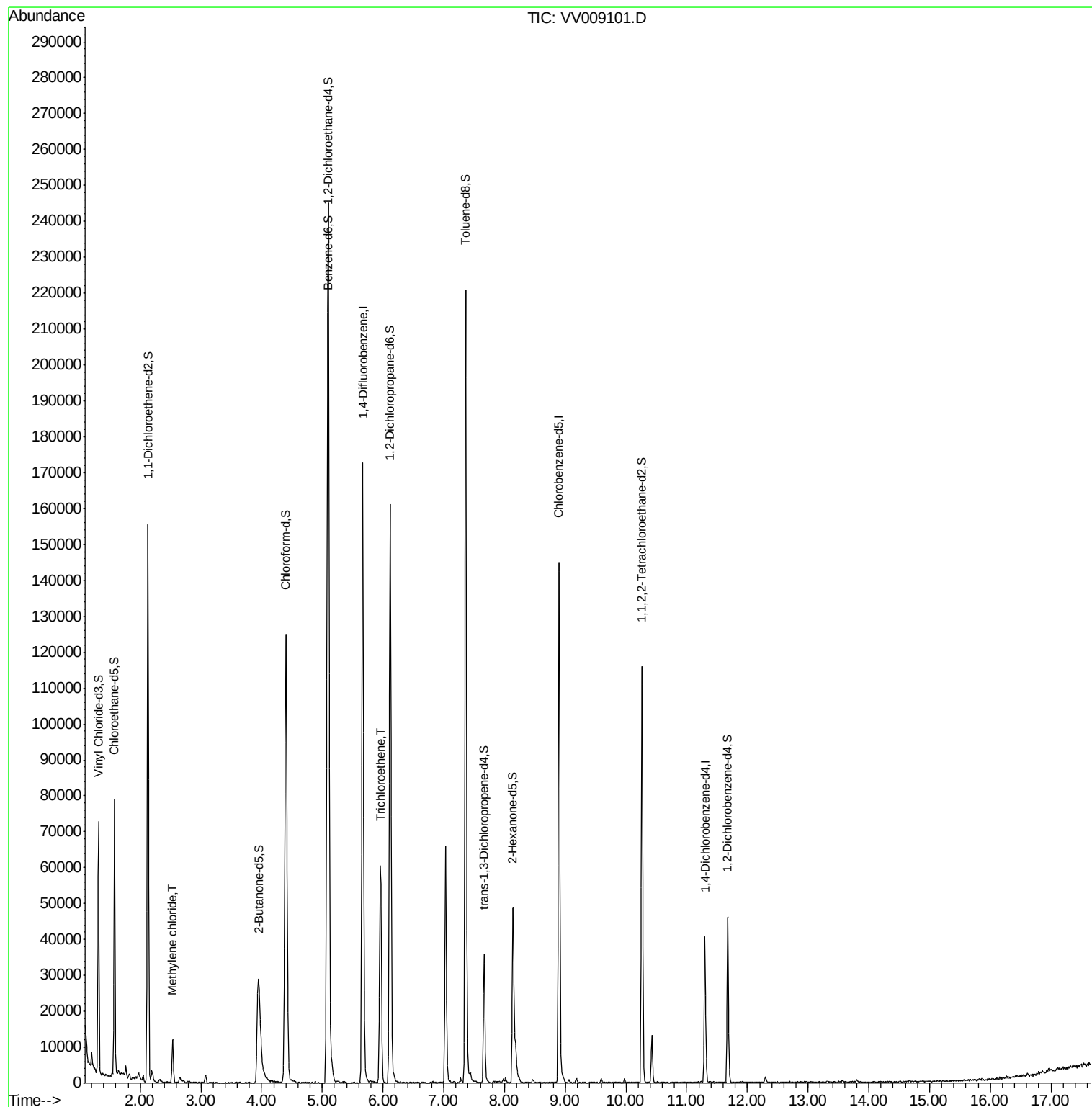
| Target Compounds       |      |    |       |             | Qvalue |
|------------------------|------|----|-------|-------------|--------|
| 16) Methylene chloride | 2.54 | 84 | 5385  | 2.056 ug/L  | 95     |
| 35) Trichloroethene    | 5.96 | 95 | 19088 | 12.610 ug/L | 97     |

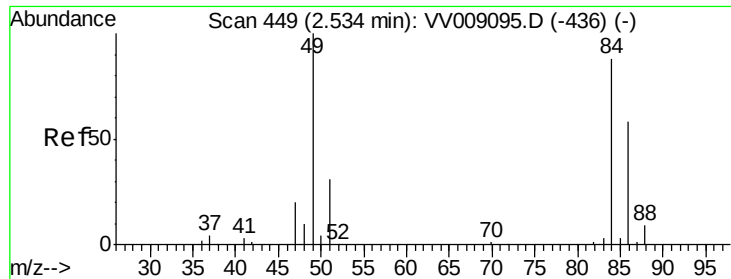
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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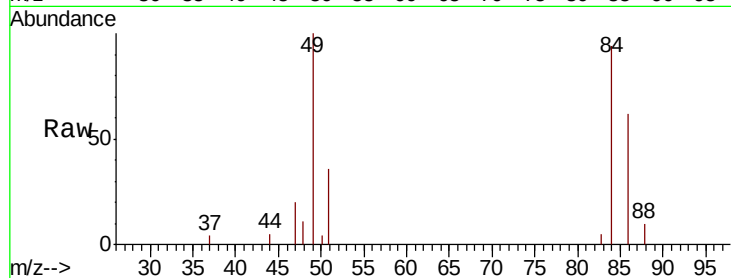




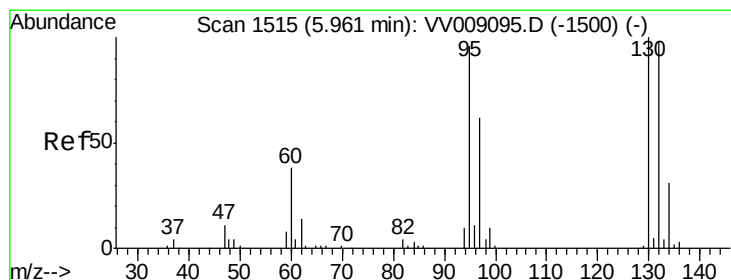
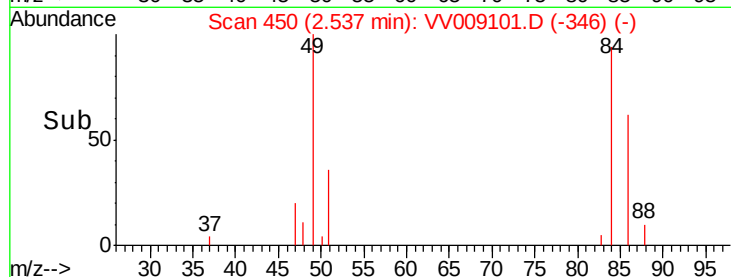
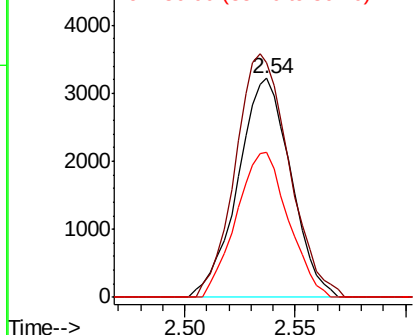
#16  
Methylene chloride  
Concen: 2.056 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VV009101.D  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tgt Ion: 84 Resp: 5385  
Ion Ratio Lower Upper  
84 100  
49 106.9 80.5 149.5  
86 66.3 45.5 84.5

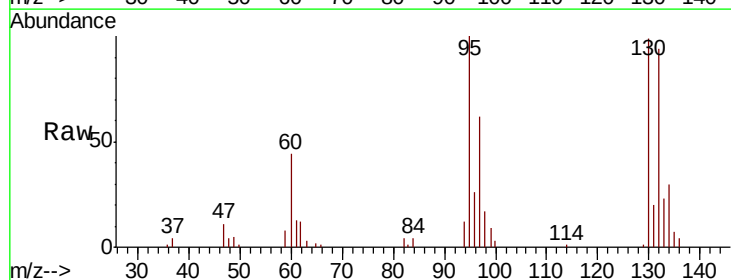


Abundance Ion 84.00 (83.70 to 84.70): VV0  
Ion 49.00 (48.70 to 49.70): VV0  
Ion 86.00 (85.70 to 86.70): VV0



#35  
Trichloroethene  
Concen: 12.610 ug/L  
RT: 5.96 min Scan# 1514  
Delta R.T. -0.00 min  
Lab File: VV009101.D  
Acq: 20 Dec 2018 23:50

Tgt Ion: 95 Resp: 19088  
Ion Ratio Lower Upper  
95 100  
97 63.1 45.3 84.1  
132 97.6 70.0 130.0  
130 101.7 73.4 136.4



Abundance Ion 95.00 (94.70 to 95.70): VV0  
Ion 97.00 (96.70 to 97.70): VV0  
Ion 132.00 (131.70 to 132.70): VV0  
Ion 130.00 (129.70 to 130.70): VV0

