

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\  
 Data File : VU038142.D  
 Acq On : 13 May 2020 14:44  
 Operator : JC/MD  
 Sample : L2634-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AH1

Quant Time: May 14 01:51:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 14 01:11:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.31  | 114  | 366595   | 5.00 | ug/L  | 0.03     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 351121   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 170552   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.64   | 65    | 128030   | 3.82     | ug/L | 0.03    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.40%  |
| 7) Chloroethane-d5             | 1.96   | 69    | 116349   | 4.01     | ug/L | 0.03    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.62   | 63    | 174532   | 3.11     | ug/L | 0.02    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.20%  |
| 20) 2-Butanone-d5              | 4.80   | 46    | 419257   | 50.68    | ug/L | 0.11    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.36% |
| 24) Chloroform-d               | 5.15   | 84    | 226697   | 4.45     | ug/L | 0.04    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.78   | 65    | 135521   | 4.65     | ug/L | 0.04    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00%  |
| 32) Benzene-d6                 | 5.79   | 84    | 484986   | 4.61     | ug/L | 0.03    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.75   | 67    | 161152   | 4.75     | ug/L | 0.02    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.00%  |
| 41) Toluene-d8                 | 7.93   | 98    | 420641   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.00%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 59748    | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.80%  |
| 46) 2-Hexanone-d5              | 8.67   | 63    | 382516   | 59.55    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 119.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 135151   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 154976   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.40%  |

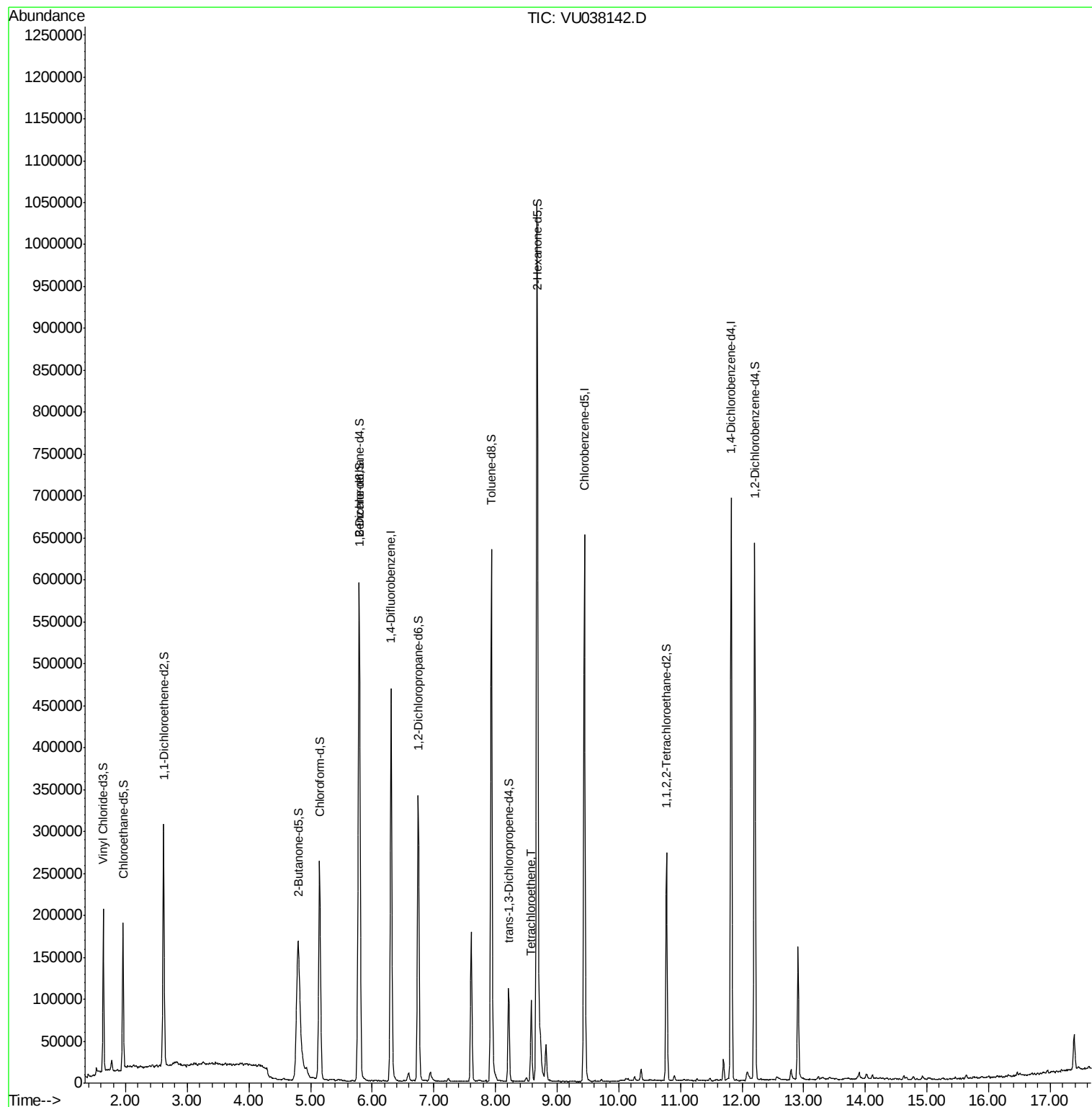
| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 47) Tetrachloroethene | 8.58 | 164 | 20751 | 1.055 ug/L | 96     |

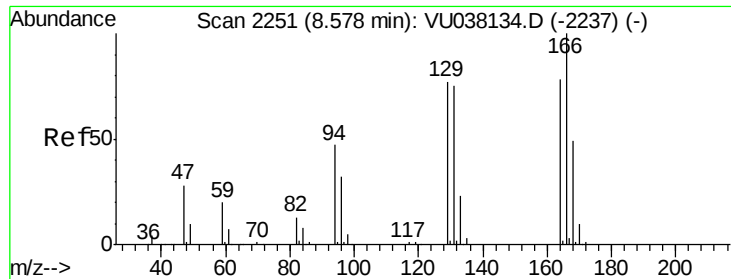
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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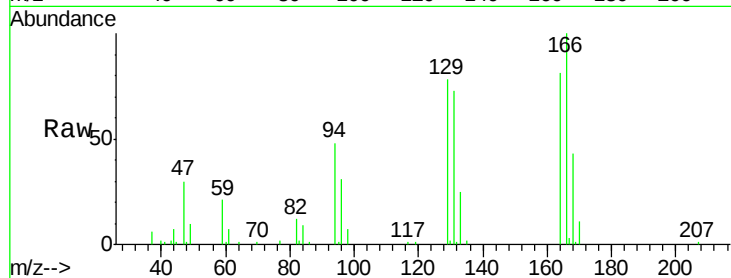




#47  
 Tetrachloroethene  
 Concen: 1.055 ug/L  
 RT: 8.58 min Scan# 2252  
 Delta R.T. 0.00 min  
 Lab File: VU038142.D  
 Acq: 13 May 2020 14:44

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AH1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 20751 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.0  | 68.8  | 127.8 |
| 131      | 89.8  | 66.8  | 124.2 |
| 166      | 123.0 | 88.9  | 165.1 |



Abundance Ion 163.90 (163.60 to 164.60): V  
 Ion 128.95 (128.65 to 129.65): V  
 Ion 130.95 (130.65 to 131.65): V  
 Ion 165.90 (165.60 to 166.60): V

