

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\  
 Data File : VV017979.D  
 Acq On : 13 Aug 2020 19:01  
 Operator : SY/MD  
 Sample : L3665-11 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4L77

Quant Time: Aug 14 05:38:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 14 04:14:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 257174   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 251010   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 124952   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 75254    | 38.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.70%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 65879    | 41.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.08%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 121408   | 32.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.70%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 121180   | 94.29    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.29%  |
| 24) Chloroform-d               | 4.37    | 84    | 156271   | 43.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.50%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 109854   | 47.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.70%  |
| 32) Benzene-d6                 | 5.07    | 84    | 322024   | 46.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.10%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 106720   | 47.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.38%  |
| 41) Toluene-d8                 | 7.34    | 98    | 283467   | 45.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.14%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 47056    | 45.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.74%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 63764    | 87.86    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 135916   | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 124020   | 50.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.86% |

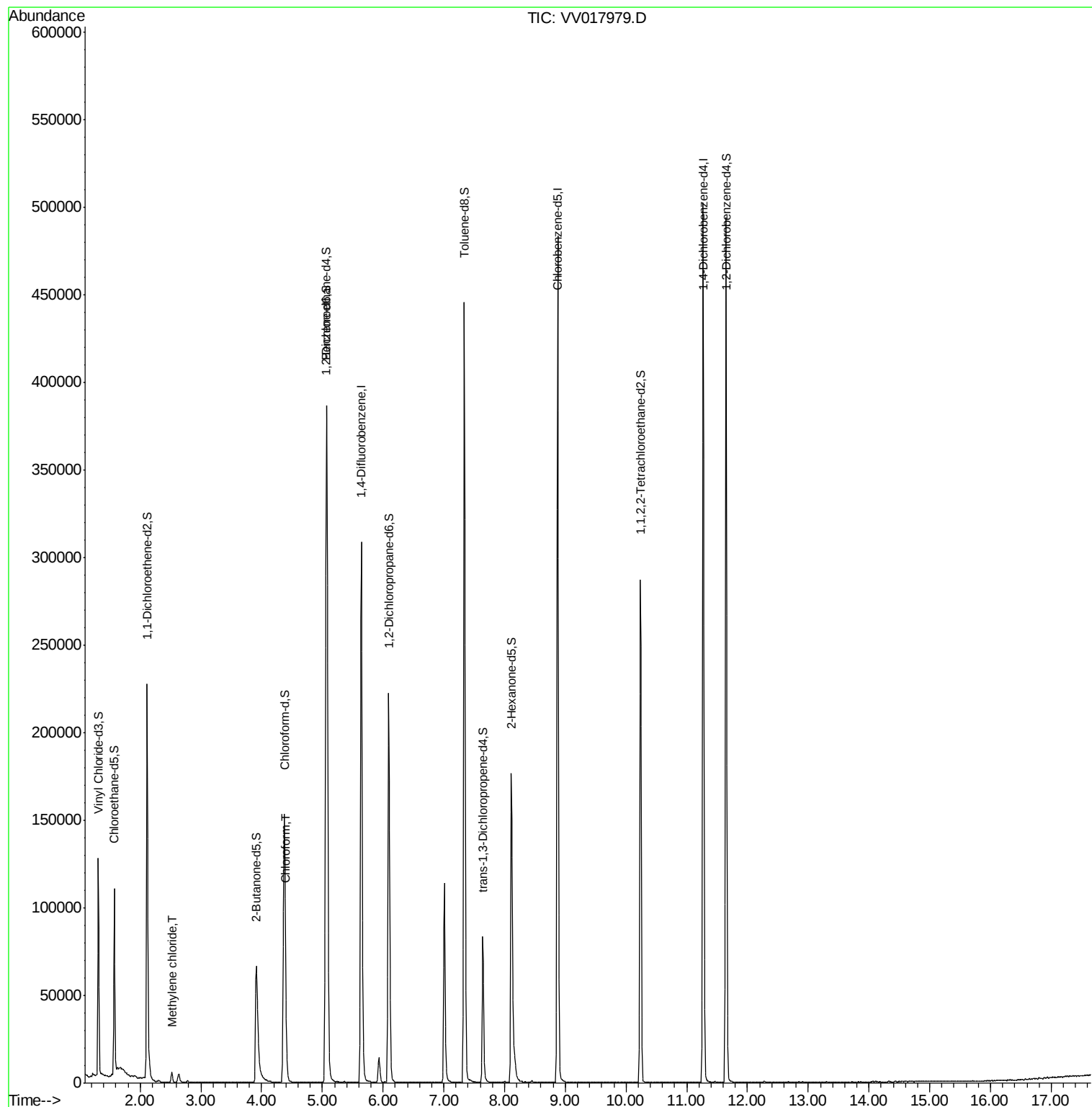
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.52 | 84 | 2305 | 1.049 ug/L | 88     |
| 25) Chloroform         | 4.40 | 83 | 6571 | 1.807 ug/L | 95     |

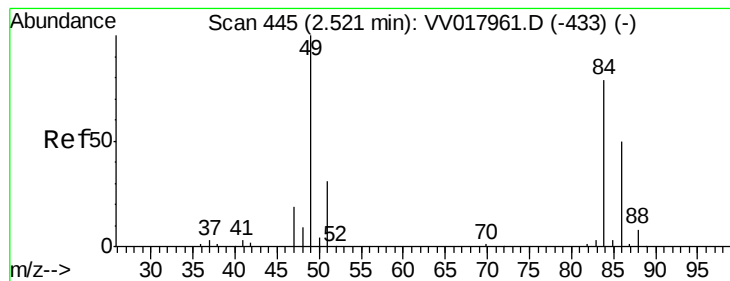
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Aug 14 04:14:46 2020  
Response via : Initial Calibration





#16

Methvlene chloride

Concen: 1.049 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017979.D

Acq: 13 Aug 2020 19:01

Instrument :

MSVOA\_V

ClientSampled :

F4L77

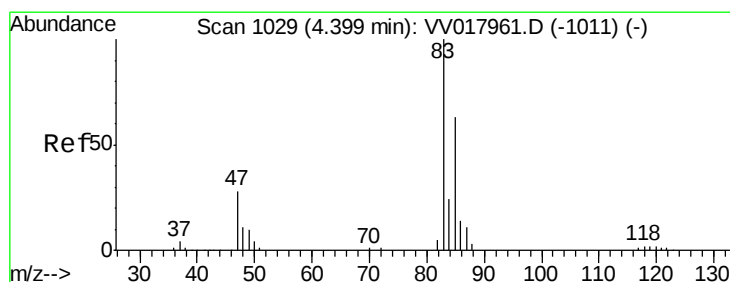
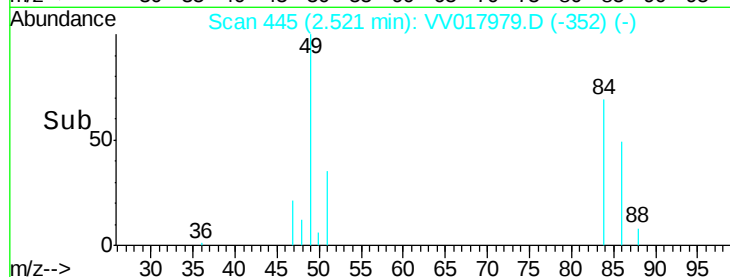
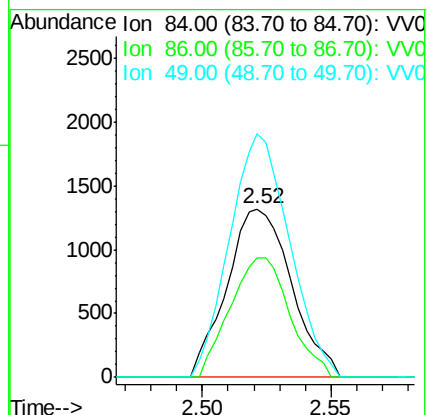
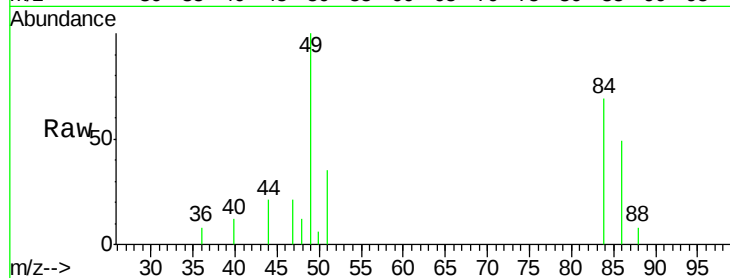
Tot Ion: 84 Resp: 2305

Ion Ratio Lower Upper

84 100

86 71.0 46.3 85.9

49 144.7 89.7 166.5



#25

Chloroform

Concen: 1.807 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017979.D

Acq: 13 Aug 2020 19:01

Tgt Ion: 83 Resp: 6571

Ion Ratio Lower Upper

83 100

85 68.7 45.5 84.5

