

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\  
 Data File : VU033529.D  
 Acq On : 31 Jul 2019 16:51  
 Operator : JC/SP  
 Sample : VIBLK41  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK41

Quant Time: Aug 01 08:52:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM073119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 01 07:20:33 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 303280   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 306653   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 138746   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 102623   | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.08%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 92310    | 48.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.58%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 142680   | 35.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.30%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 157259   | 107.68   | ug/L | -0.01   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.68% |
| 24) Chloroform-d               | 4.62    | 84    | 173320   | 46.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 125756   | 53.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.46% |
| 32) Benzene-d6                 | 5.32    | 84    | 383273   | 50.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.84% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 126088   | 52.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.82% |
| 41) Toluene-d8                 | 7.55    | 98    | 342274   | 48.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.10%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 57605    | 48.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.46%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 117456   | 103.82   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 189148   | 51.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.96% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 138470   | 54.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.00% |

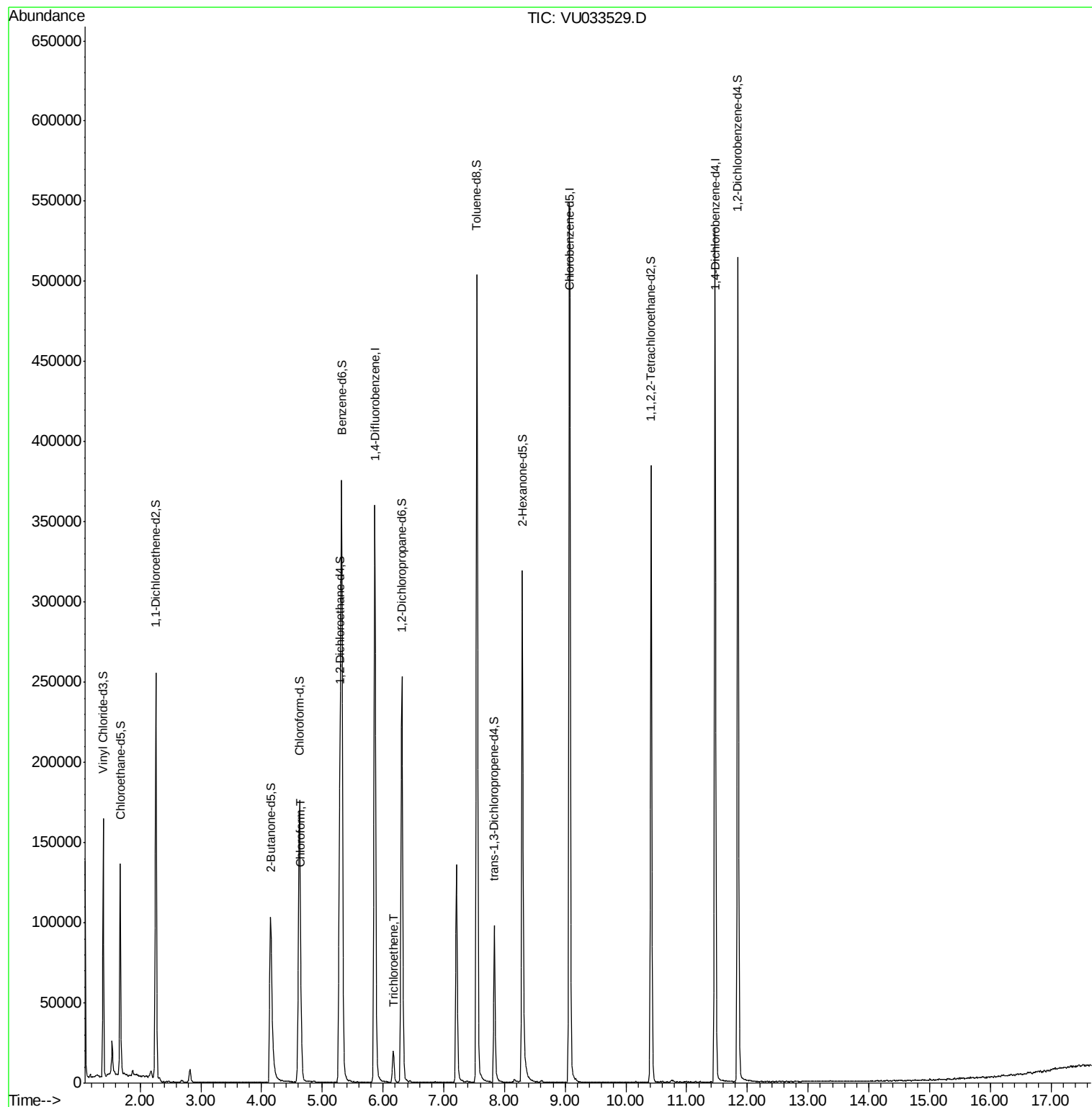
| Target Compounds    |      |    |       |            | Ovalue |
|---------------------|------|----|-------|------------|--------|
| 25) Chloroform      | 4.65 | 83 | 21003 | 5.167 ug/L | 99     |
| 34) Trichloroethene | 6.17 | 95 | 6830  | 2.927 ug/L | 96     |

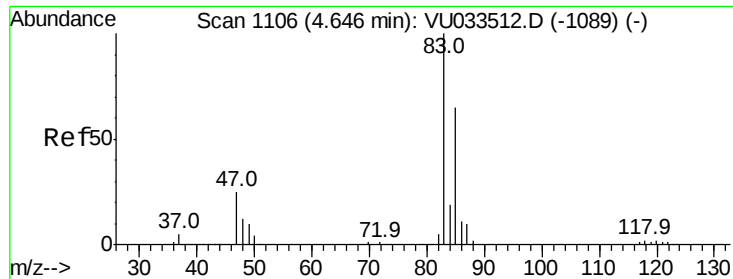
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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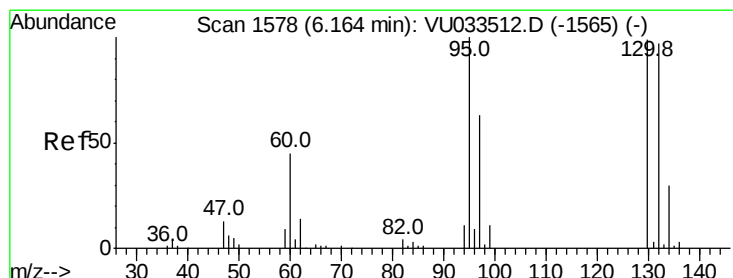
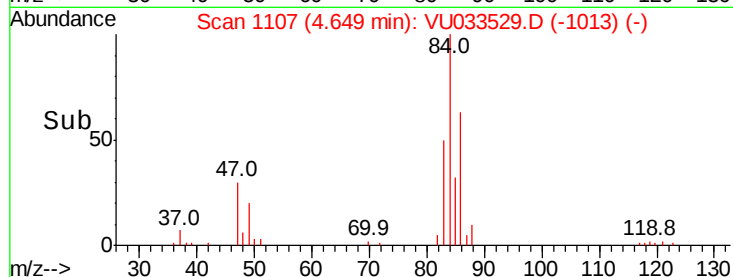
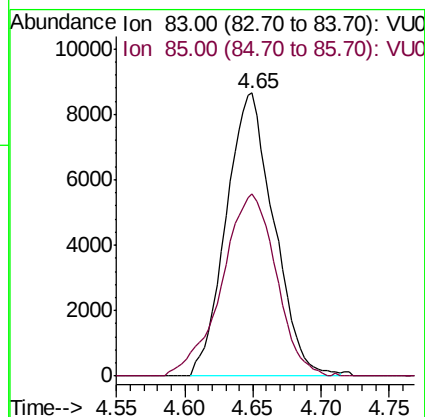
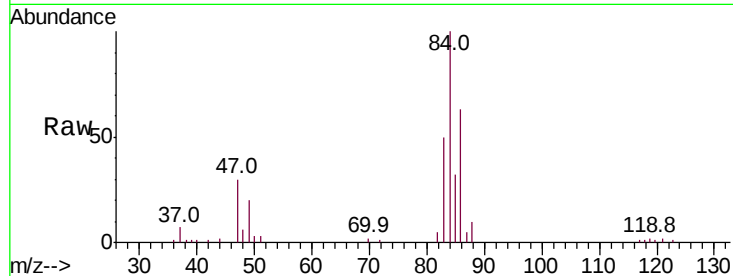




#25  
Chloroform  
Concen: 5.167 ug/L  
RT: 4.65 min Scan# 1107  
Delta R.T. 0.00 min  
Lab File: VU033529.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
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Tot Ion: 83 Resp: 21003  
Ion Ratio Lower Upper  
83 100  
85 64.3 45.6 84.8



#34  
Trichloroethene  
Concen: 2.927 ug/L  
RT: 6.17 min Scan# 1579  
Delta R.T. 0.00 min  
Lab File: VU033529.D  
Acq: 31 Jul 2019 16:51

Tgt Ion: 95 Resp: 6830  
Ion Ratio Lower Upper  
95 100  
97 59.0 44.7 83.1  
132 97.3 66.8 124.0  
130 97.6 71.6 133.0

