

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021819\  
 Data File : VU029529.D  
 Acq On : 18 Feb 2019 14:57  
 Operator : JC/SP  
 Sample : K1509-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAGH0

Quant Time: Feb 19 01:24:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Feb 19 00:19:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 211114   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 203766   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 108072   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 56469    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.60%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 53553    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 94444    | 3.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.20%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 145099   | 49.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.40%  |
| 24) Chloroform-d               | 4.65   | 84    | 95708    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 58564    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.40%  |
| 32) Benzene-d6                 | 5.34   | 84    | 226243   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 69327    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.80%  |
| 41) Toluene-d8                 | 7.56   | 98    | 220059   | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 27866    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.20%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 149126   | 50.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 60222    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 96221    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.60%  |

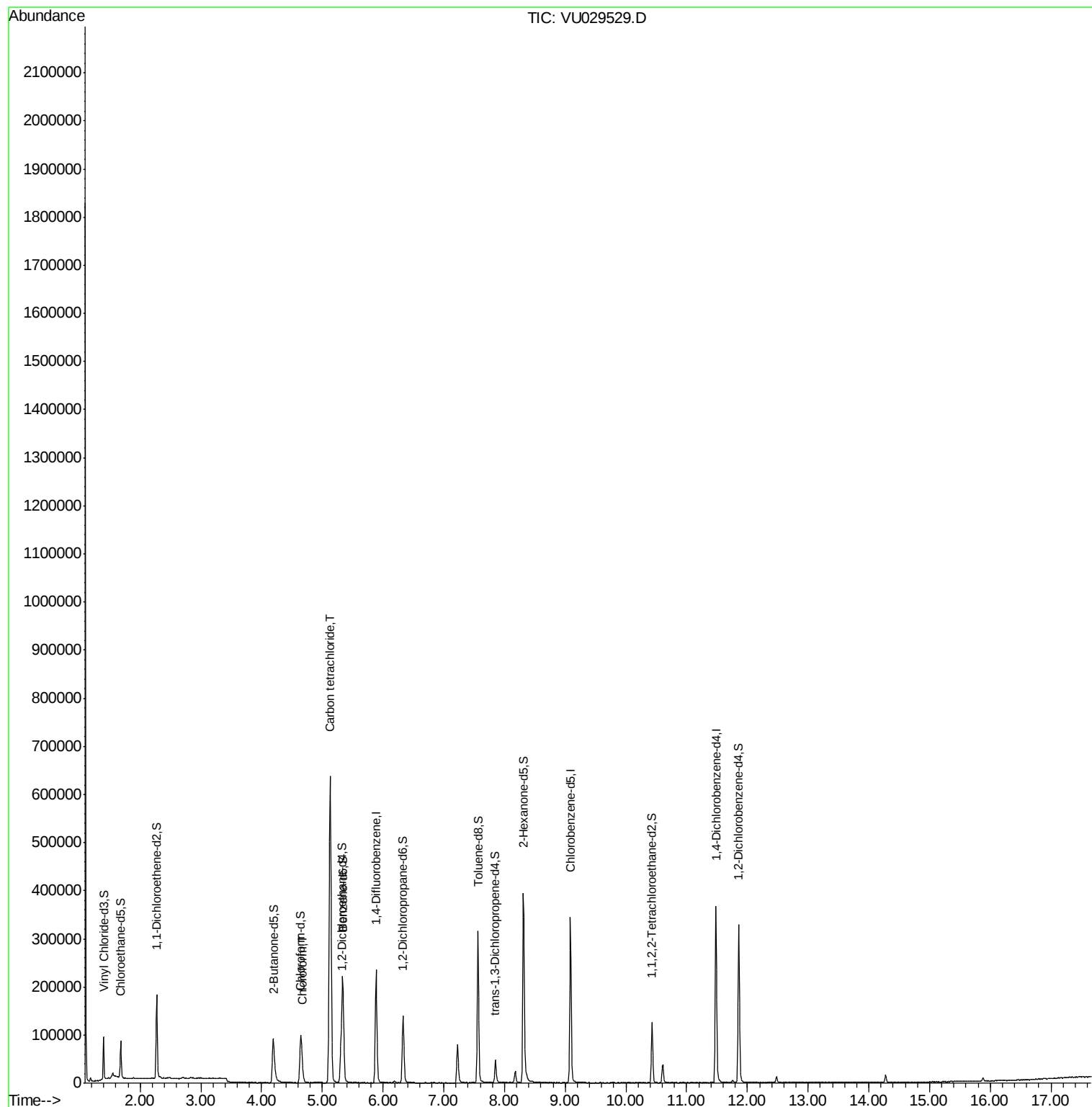
| Target Compounds         |      |     |        |             | Ovalue |
|--------------------------|------|-----|--------|-------------|--------|
| 25) Chloroform           | 4.67 | 83  | 17113  | 0.613 ug/L  | 100    |
| 31) Carbon tetrachloride | 5.13 | 117 | 462733 | 20.320 ug/L | 100    |

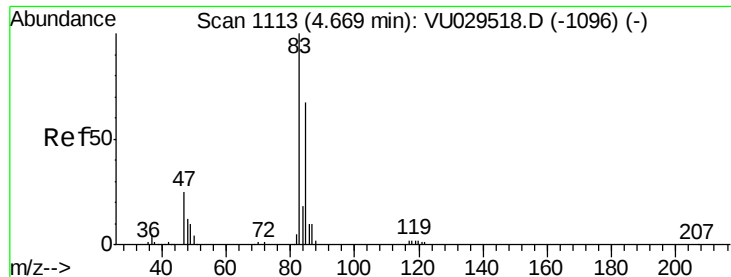
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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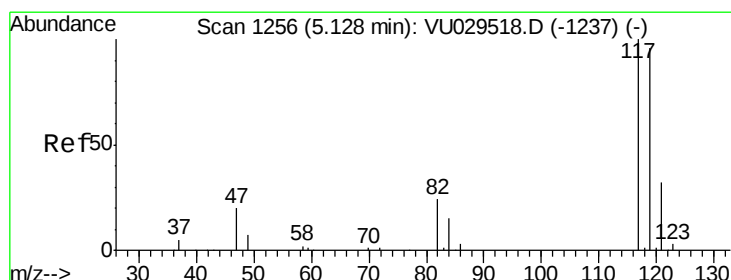
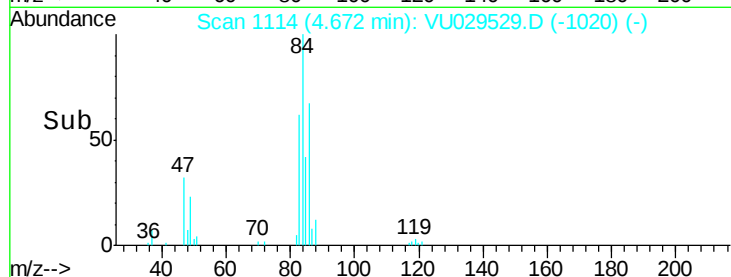
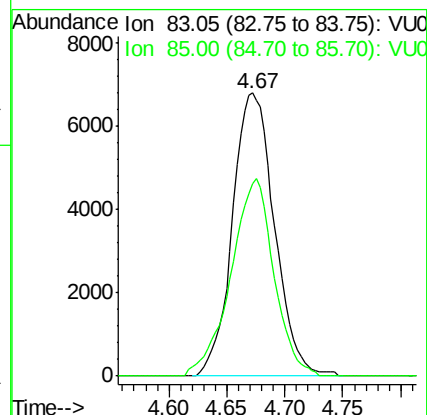
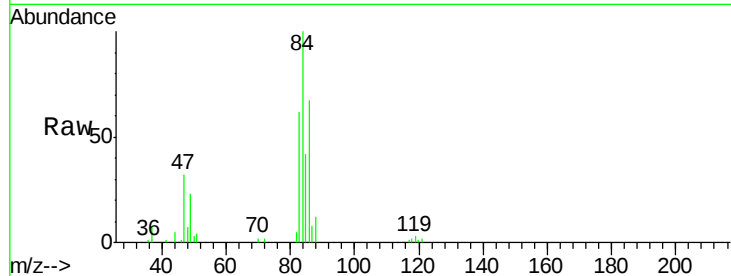




#25  
Chloroform  
Concen: 0.613 ug/L  
RT: 4.67 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: VU029529.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
GAGH0

Tot Ion: 83 Resp: 17113  
Ion Ratio Lower Upper  
83 100  
85 68.2 47.8 88.8



#31  
Carbon tetrachloride  
Concen: 20.320 ug/L  
RT: 5.13 min Scan# 1256  
Delta R.T. 0.00 min  
Lab File: VU029529.D  
Acq: 18 Feb 2019 14:57

Tgt Ion: 117 Resp: 462733  
Ion Ratio Lower Upper  
117 100  
119 97.4 78.1 117.1

