

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101519\  
 Data File : VV013170.D  
 Acq On : 15 Oct 2019 16:43  
 Operator : SY/MD  
 Sample : K5378-08  
 Misc : 5.00ML/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0047

Quant Time: Oct 15 18:55:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 15 18:13:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 698130   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 663427   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 244090   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 249428   | 56.52    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 113.04%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 206104   | 56.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 113.96%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 335134   | 40.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.52%   |
| 21) 2-Butanone-d5              | 3.96    | 46    | 309192   | 93.18    | ug/L | 0.04     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.18%   |
| 24) Chloroform-d               | 4.40    | 84    | 467313   | 55.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.02%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 293204   | 55.99    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 111.98%  |
| 32) Benzene-d6                 | 5.10    | 84    | 978179   | 55.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.52%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 304513   | 54.91    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 109.82%  |
| 41) Toluene-d8                 | 7.36    | 98    | 833360   | 52.61    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.22%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 120644   | 48.02    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.04%   |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 175733   | 79.64    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 79.64%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 320156   | 44.74    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.48%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 291137   | 60.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 121.76%# |

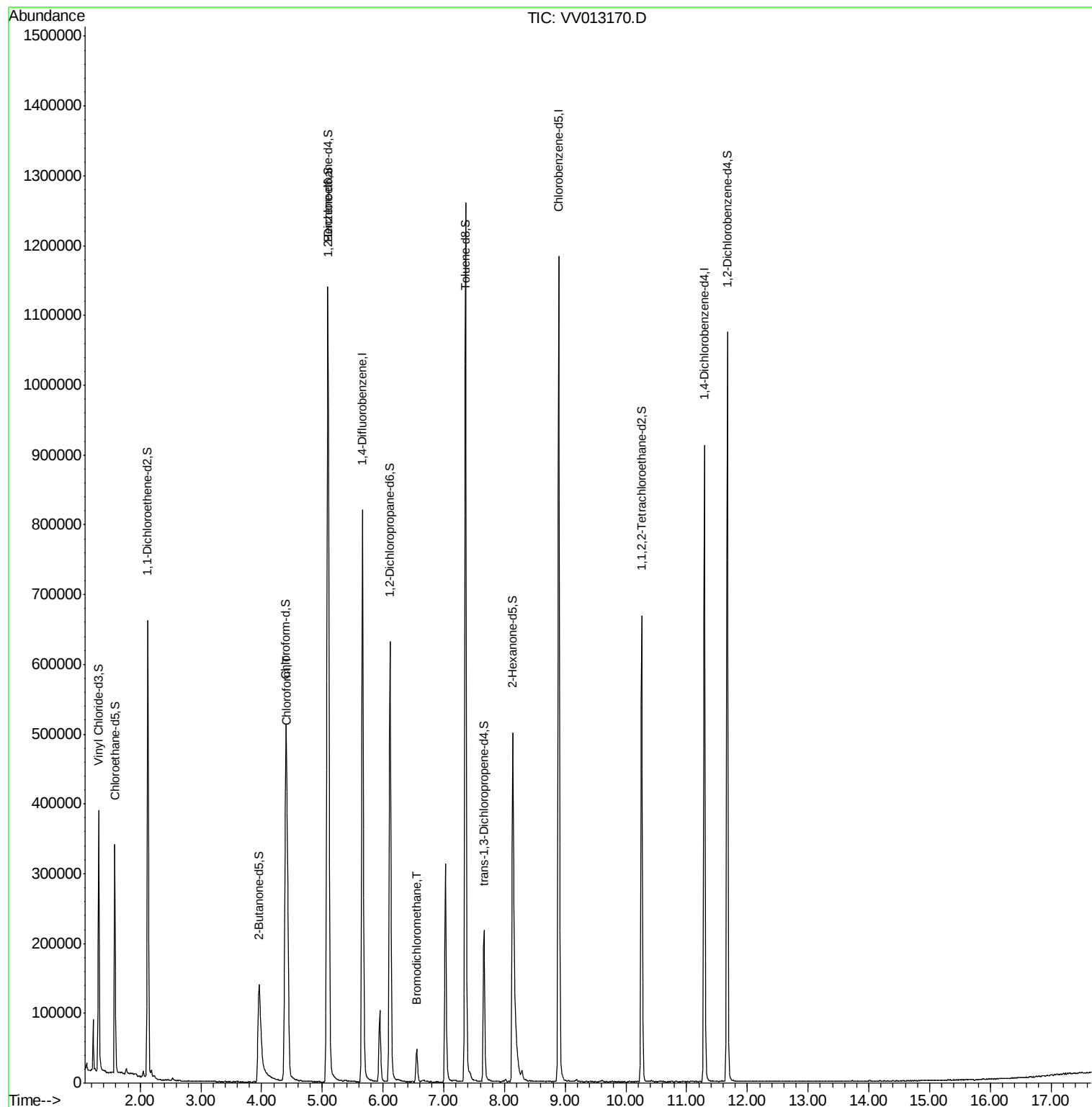
| Target Compounds         |      |    |        |             | Ovalue |
|--------------------------|------|----|--------|-------------|--------|
| 25) Chloroform           | 4.42 | 83 | 227790 | 25.517 ug/L | 100    |
| 38) Bromodichloromethane | 6.56 | 83 | 32179  | 4.833 ug/L  | 97     |

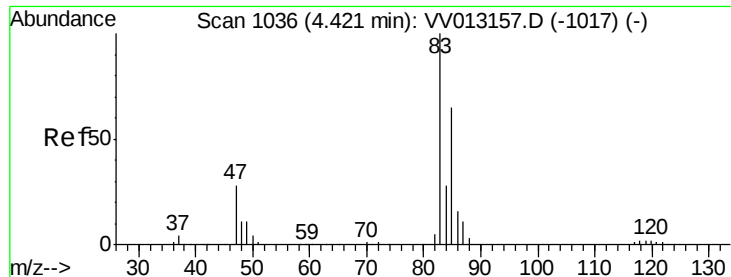
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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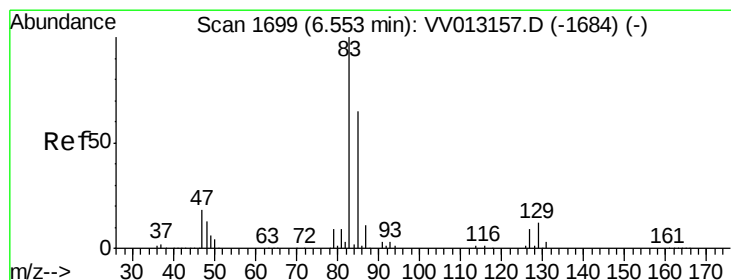
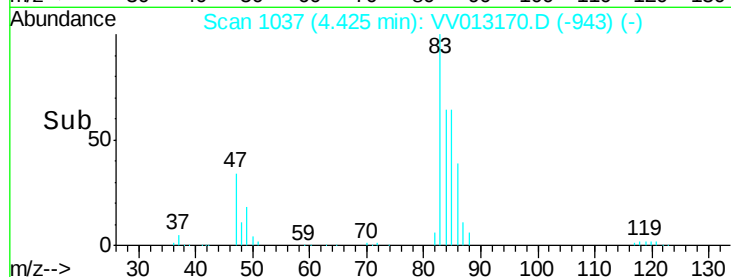
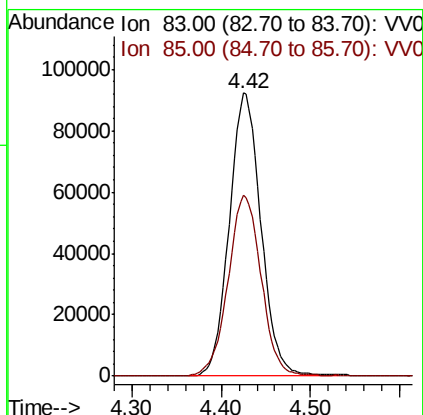
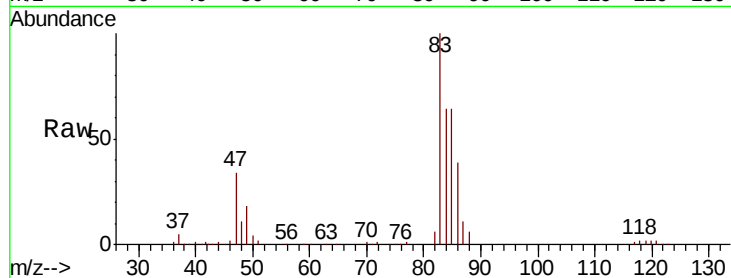




#25  
Chloroform  
Concen: 25.517 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VV013170.D  
Acq: 15 Oct 2019 16:43

Instrument :  
MSVOA\_V  
ClientSampled :  
C0047

Tot Ion: 83 Resp: 227790  
Ion Ratio Lower Upper  
83 100  
85 63.8 44.7 82.9



#38  
Bromodichloromethane  
Concen: 4.833 ug/L  
RT: 6.56 min Scan# 1700  
Delta R.T. 0.01 min  
Lab File: VV013170.D  
Acq: 15 Oct 2019 16:43

Tgt Ion: 83 Resp: 32179  
Ion Ratio Lower Upper  
83 100  
85 63.6 45.8 85.0  
127 11.0 7.4 11.0

