

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120721\  
 Data File : VU046152.D  
 Acq On : 07 Dec 2021 20:19  
 Operator : SY/MD  
 Sample : M4887-06ME  
 Misc : 5.67g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 26 Sample Multiplier: 1

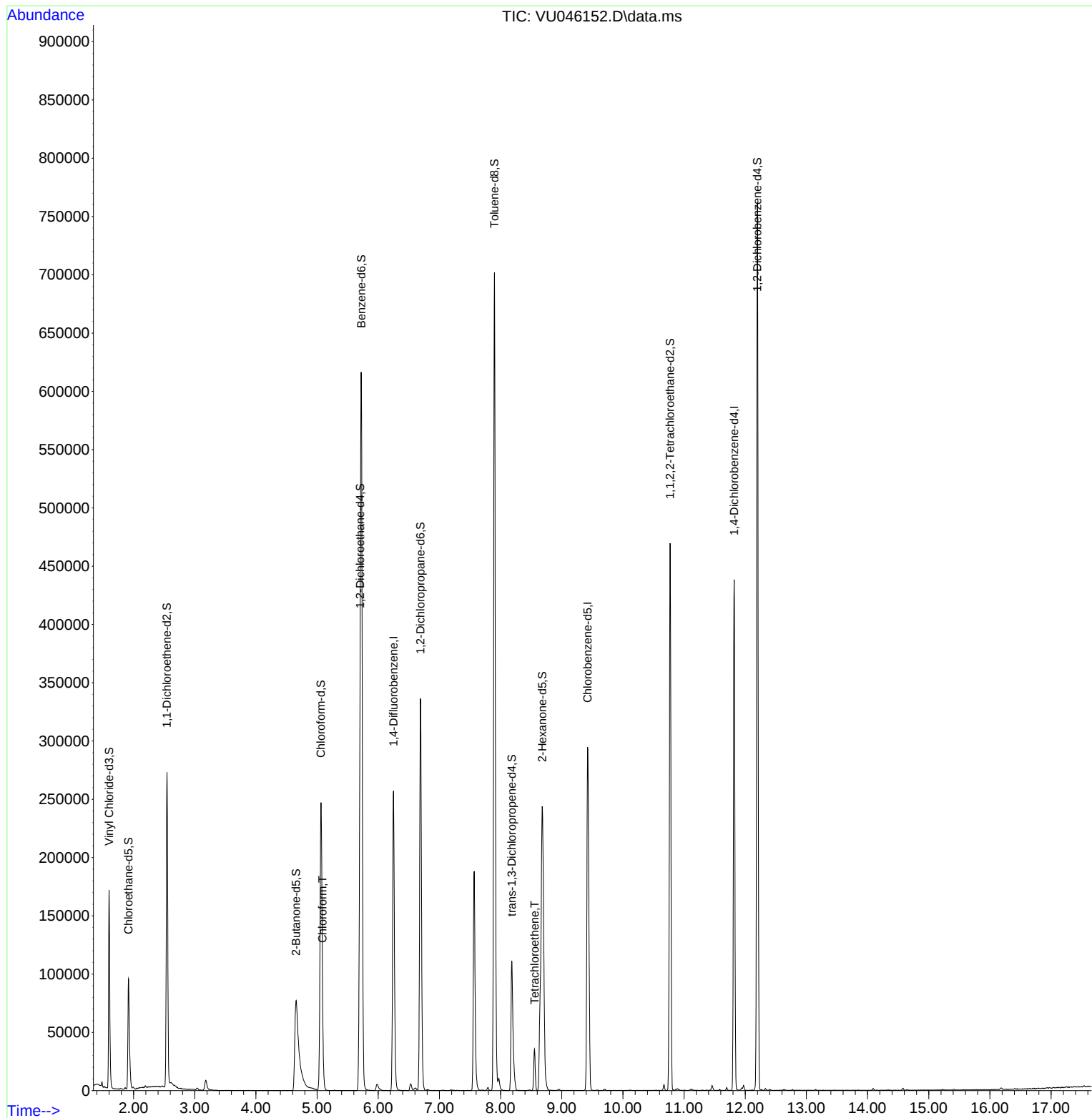
Quant Time: Dec 08 04:55:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

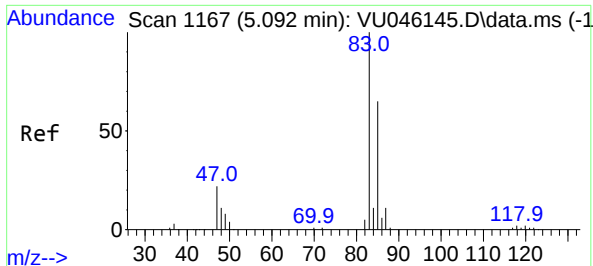
| Compound                      |         | R.T.   | QIon     | Response | Conc        | Units | Dev(Min) |
|-------------------------------|---------|--------|----------|----------|-------------|-------|----------|
| -----                         |         |        |          |          |             |       |          |
| Internal Standards            |         |        |          |          |             |       |          |
| 1) 1,4-Difluorobenzene        |         | 6.250  | 114      | 236520   | 50.000      | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          |         | 9.423  | 117      | 231338   | 50.000      | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |         | 11.819 | 152      | 119120   | 50.000      | ug/L  | 0.00     |
| System Monitoring Compounds   |         |        |          |          |             |       |          |
| 4) Vinyl Chloride-d3          |         | 1.600  | 65       | 143227   | 73.513      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 60 - 135 | Recovery | = 147.020%# |       |          |
| 7) Chloroethane-d5            |         | 1.916  | 69       | 95371    | 63.754      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 130 | Recovery | = 127.500%  |       |          |
| 11) 1,1-Dichloroethene-d2     |         | 2.546  | 63       | 160567   | 45.908      | ug/L  | -0.03    |
| Spiked Amount                 | 50.000  | Range  | 60 - 125 | Recovery | = 91.820%   |       |          |
| 21) 2-Butanone-d5             |         | 4.658  | 46       | 235041   | 151.754     | ug/L  | 0.02     |
| Spiked Amount                 | 100.000 | Range  | 40 - 130 | Recovery | = 151.750%# |       |          |
| 24) Chloroform-d              |         | 5.063  | 84       | 248503   | 76.378      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 152.760%# |       |          |
| 26) 1,2-Dichloroethane-d4     |         | 5.703  | 65       | 171345   | 78.471      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 156.940%# |       |          |
| 32) Benzene-d6                |         | 5.723  | 84       | 560055   | 84.466      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 168.940%# |       |          |
| 36) 1,2-Dichloropropane-d6    |         | 6.690  | 67       | 171695   | 83.553      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 120 | Recovery | = 167.100%# |       |          |
| 41) Toluene-d8                |         | 7.899  | 98       | 517376   | 85.700      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 80 - 120 | Recovery | = 171.400%# |       |          |
| 43) trans-1,3-Dichloroprop... |         | 8.182  | 79       | 88236    | 88.949      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 60 - 125 | Recovery | = 177.900%# |       |          |
| 47) 2-Hexanone-d5             |         | 8.681  | 63       | 178652   | 183.362     | ug/L  | 0.04     |
| Spiked Amount                 | 100.000 | Range  | 45 - 130 | Recovery | = 183.360%# |       |          |
| 56) 1,1,2,2-Tetrachloroeth... |         | 10.771 | 84       | 246715   | 79.167      | ug/L  | 0.01     |
| Spiked Amount                 | 50.000  | Range  | 65 - 120 | Recovery | = 158.340%# |       |          |
| 66) 1,2-Dichlorobenzene-d4    |         | 12.198 | 152      | 205207   | 89.452      | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 80 - 120 | Recovery | = 178.900%# |       |          |
| Target Compounds              |         |        |          |          |             |       |          |
| 25) Chloroform                |         | 5.089  | 83       | 13551    | 3.876       | ug/L  | 89       |
| 46) Tetrachloroethene         |         | 8.555  | 164      | 8592     | 6.339       | ug/L  | 91       |
| -----                         |         |        |          |          |             |       |          |

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

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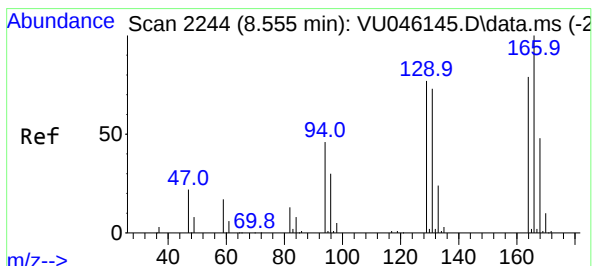
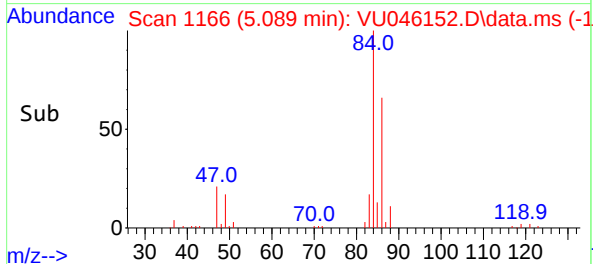
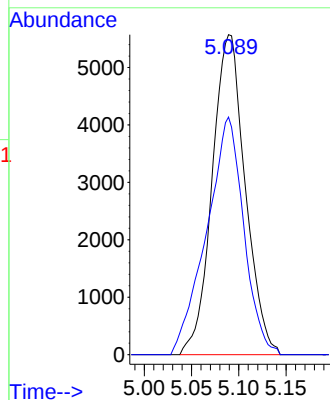
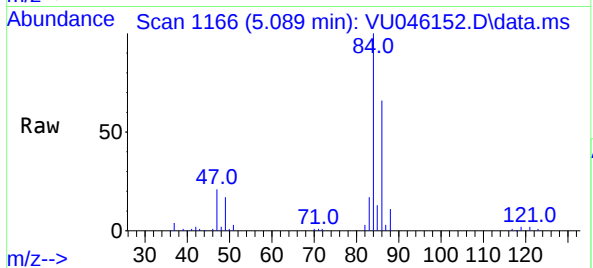




#25

Chloroform  
Concen: 3.876 ug/L  
RT: 5.089 min Scan# 1166  
Delta R.T. -0.003 min  
Lab File: VU046152.D  
Acq: 07 Dec 2021 20:19

Tgt Ion: 83 Resp: 13551  
Ion Ratio Lower Upper  
83 100  
85 74.3 45.8 85.2



#46

Tetrachloroethene  
Concen: 6.339 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU046152.D  
Acq: 07 Dec 2021 20:19

Tgt Ion: 164 Resp: 8592  
Ion Ratio Lower Upper  
164 100  
129 86.8 71.1 132.1  
131 89.1 67.8 126.0  
166 122.2 90.6 168.2

