

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120721\  
 Data File : VU046153.D  
 Acq On : 07 Dec 2021 20:41  
 Operator : SY/MD  
 Sample : M4887-07ME  
 Misc : 5.93g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 27 Sample Multiplier: 1

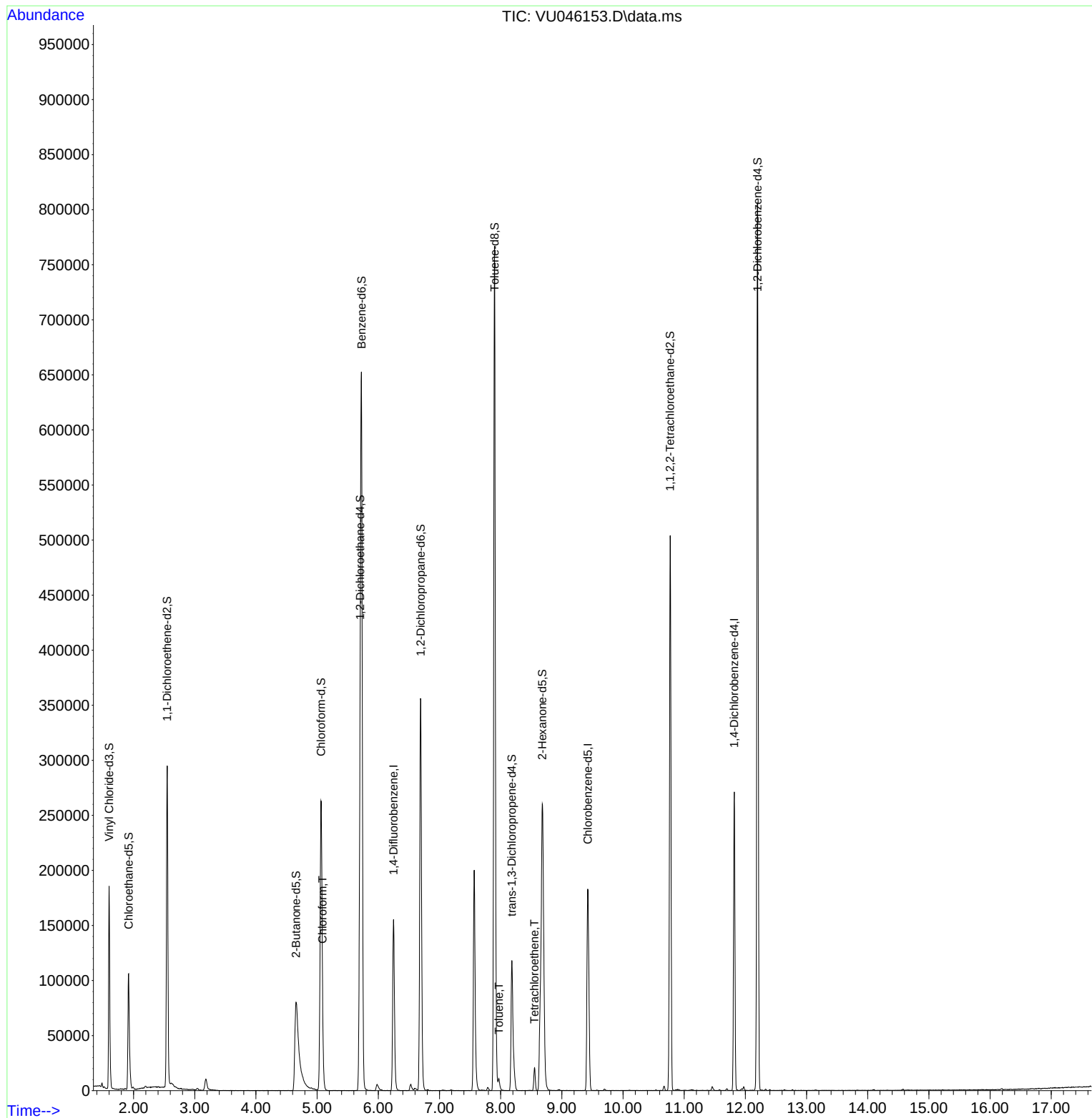
Quant Time: Dec 08 04:55:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

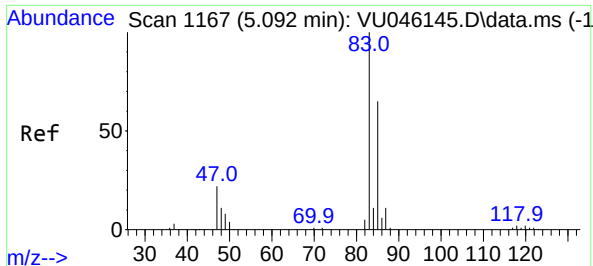
| Compound                      | R.T. QIon |       | Response | Conc    | Units     | Dev(Min)     |
|-------------------------------|-----------|-------|----------|---------|-----------|--------------|
| -----                         |           |       |          |         |           |              |
| Internal Standards            |           |       |          |         |           |              |
| 1) 1,4-Difluorobenzene        | 6.250     | 114   | 144151   | 50.000  | ug/L      | 0.00         |
| 28) Chlorobenzene-d5          | 9.423     | 117   | 143169   | 50.000  | ug/L      | 0.00         |
| 58) 1,4-Dichlorobenzene-d4    | 11.819    | 152   | 73347    | 50.000  | ug/L      | 0.00         |
| System Monitoring Compounds   |           |       |          |         |           |              |
| 4) Vinyl Chloride-d3          | 1.601     | 65    | 153160   | 128.983 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | =       | 257.960%# |              |
| 7) Chloroethane-d5            | 1.919     | 69    | 103061   | 113.042 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | =       | 226.080%# |              |
| 11) 1,1-Dichloroethene-d2     | 2.549     | 63    | 172373   | 80.863  | ug/L      | -0.03        |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 161.720%# |              |
| 21) 2-Butanone-d5             | 4.655     | 46    | 234049   | 247.944 | ug/L      | 0.01         |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | =       | 247.940%# |              |
| 24) Chloroform-d              | 5.063     | 84    | 262388   | 132.321 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 264.640%# |              |
| 26) 1,2-Dichloroethane-d4     | 5.703     | 65    | 179729   | 135.054 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 270.100%# |              |
| 32) Benzene-d6                | 5.726     | 84    | 591120   | 144.054 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 288.100%# |              |
| 36) 1,2-Dichloropropane-d6    | 6.694     | 67    | 182280   | 143.331 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | =       | 286.660%# |              |
| 41) Toluene-d8                | 7.899     | 98    | 551386   | 147.580 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 295.160%# |              |
| 43) trans-1,3-Dichloroprop... | 8.182     | 79    | 93280    | 151.944 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 303.880%# |              |
| 47) 2-Hexanone-d5             | 8.681     | 63    | 186715   | 309.655 | ug/L      | 0.05         |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | =       | 309.650%# |              |
| 56) 1,1,2,2-Tetrachloroeth... | 10.771    | 84    | 262252   | 135.978 | ug/L      | 0.01         |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | =       | 271.960%# |              |
| 66) 1,2-Dichlorobenzene-d4    | 12.198    | 152   | 215960   | 152.889 | ug/L      | 0.00         |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 305.780%# |              |
| Target Compounds              |           |       |          |         |           |              |
| 25) Chloroform                | 5.089     | 83    | 16930    | 7.945   | ug/L      | Qvalue<br>99 |
| 42) Toluene                   | 7.970     | 91    | 8637     | 1.858   | ug/L      | 94           |
| 46) Tetrachloroethene         | 8.552     | 164   | 5029     | 5.995   | ug/L      | 97           |
| -----                         |           |       |          |         |           |              |

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

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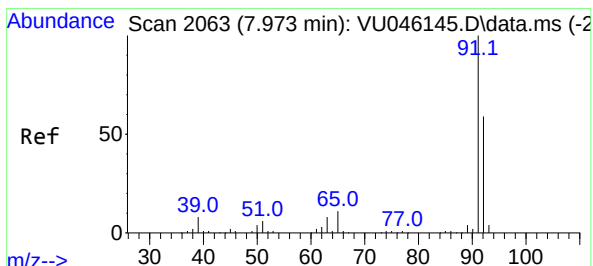
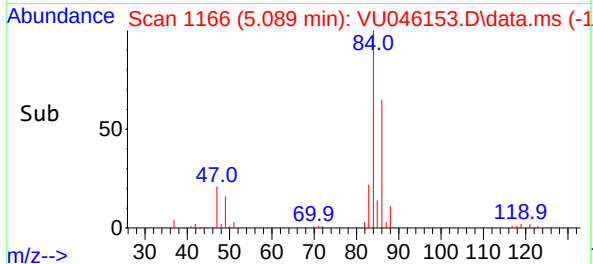
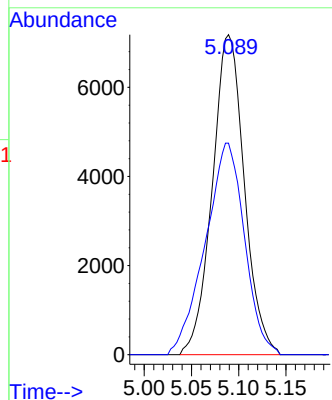
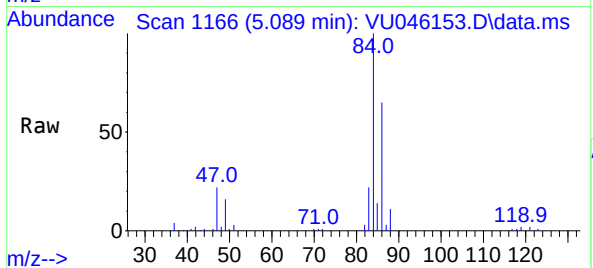




#25

Chloroform  
Concen: 7.945 ug/L  
RT: 5.089 min Scan# 1166  
Delta R.T. -0.003 min  
Lab File: VU046153.D  
Acq: 07 Dec 2021 20:41

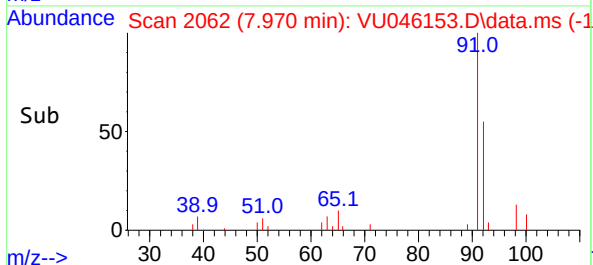
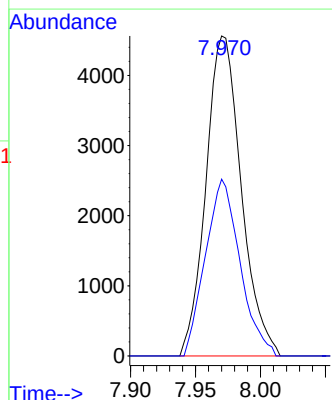
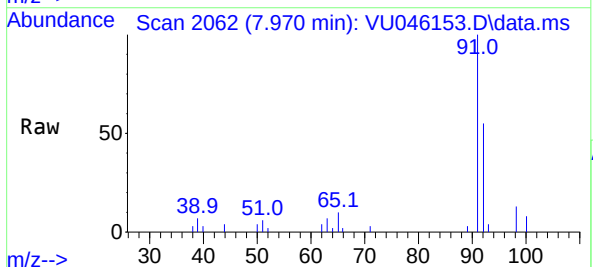
Tgt Ion: 83 Resp: 16930  
Ion Ratio Lower Upper  
83 100  
85 66.1 45.8 85.2

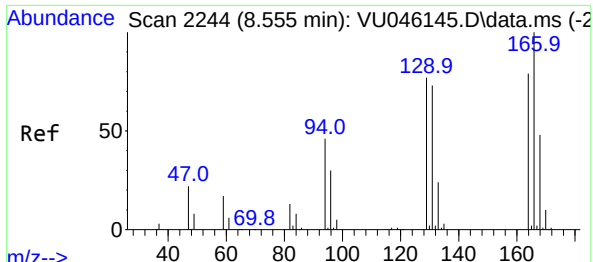


#42

Toluene  
Concen: 1.858 ug/L  
RT: 7.970 min Scan# 2062  
Delta R.T. -0.003 min  
Lab File: VU046153.D  
Acq: 07 Dec 2021 20:41

Tgt Ion: 91 Resp: 8637  
Ion Ratio Lower Upper  
91 100  
92 55.2 41.9 77.7





#46  
Tetrachloroethene  
Concen: 5.995 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU046153.D  
Acq: 07 Dec 2021 20:41

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 5029        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 99.5  | 71.1 132.1  |
| 131         | 90.5  | 67.8 126.0  |
| 166         | 127.5 | 90.6 168.2  |

