

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121621\  
 Data File : VU046443.D  
 Acq On : 17 Dec 2021 00:25  
 Operator : SY/MD  
 Sample : M5101-07MEDL 40X  
 Misc : 6.38g/5.0mL/100ul/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGL28MEDL

Quant Time: Dec 17 04:06:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 17 03:50:47 2021  
 Response via : Initial Calibration

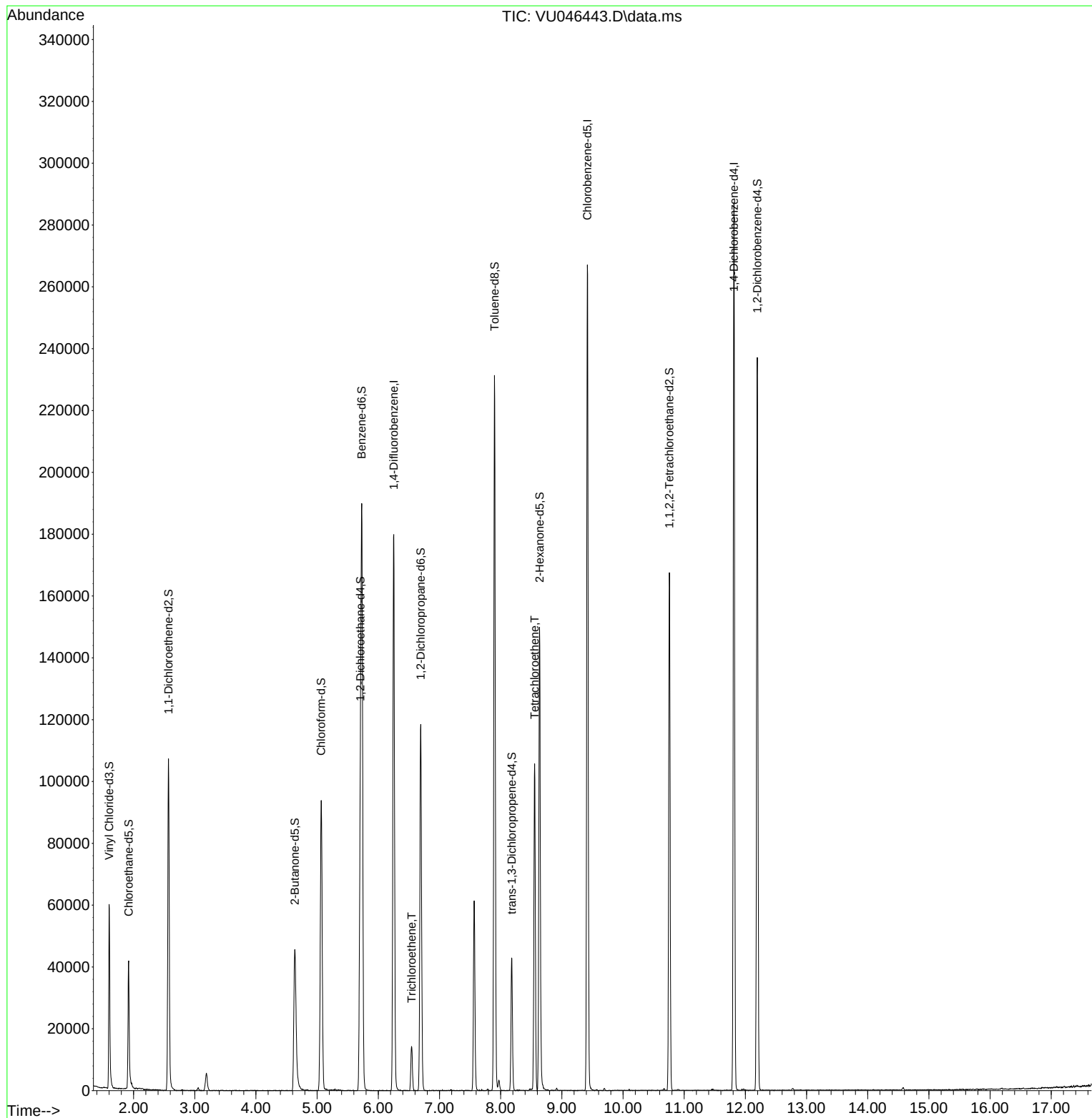
| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 142112     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 145528     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 72499      | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 47953      | 40.963   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 81.920%  |       |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 34030      | 37.861   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 75.720%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 64533      | 30.708   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 61.420%  |       |          |
| 21) 2-Butanone-d5             | 4.636          | 46   | 71281      | 76.596   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 76.600%  |       |          |
| 24) Chloroform-d              | 5.067          | 84   | 87796      | 44.910   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.820%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 59882      | 45.643   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.280%  |       |          |
| 32) Benzene-d6                | 5.729          | 84   | 175616     | 42.103   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.200%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 55017      | 42.560   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 85.120%  |       |          |
| 41) Toluene-d8                | 7.899          | 98   | 149921     | 39.476   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 78.960%# |       |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 24505      | 39.269   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 78.540%  |       |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 54157      | 88.360   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 88.360%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 80241      | 40.931   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.860%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 60253      | 43.155   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.300%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 34) Trichloroethene           | 6.546          | 95   | 5014       | 4.321    | ug/L  | 94       |
| 46) Tetrachloroethene         | 8.555          | 164  | 22159      | 25.986   | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

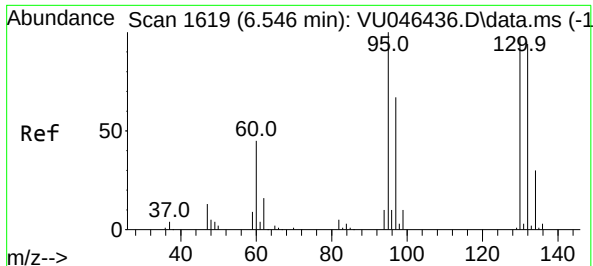
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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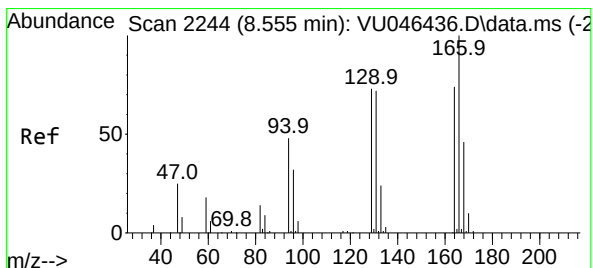
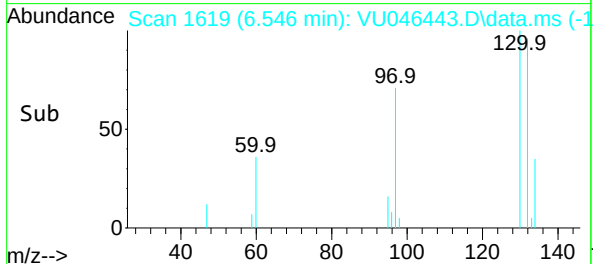
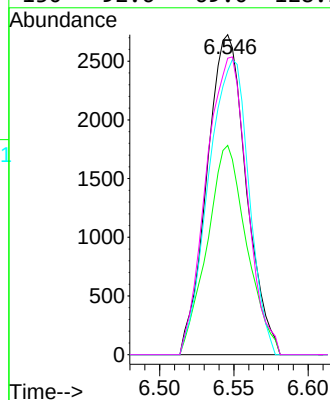
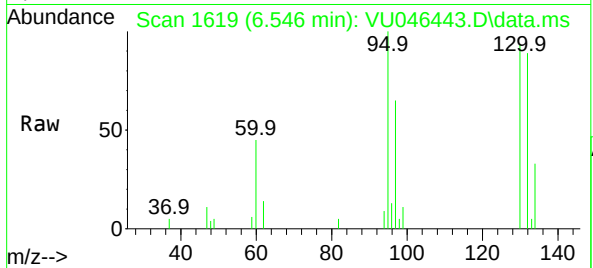


#34  
Trichloroethene  
Concen: 4.321 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU046443.D  
Acq: 17 Dec 2021 00:25

Instrument :  
MSVOA\_U  
ClientSampleId :  
BGL28MEDL

Tgt Ion: 95 Resp: 5014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.4  | 44.1  | 81.9  |
| 132 | 88.7  | 66.8  | 124.0 |
| 130 | 92.6  | 69.0  | 128.1 |



#46  
Tetrachloroethene  
Concen: 25.986 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU046443.D  
Acq: 17 Dec 2021 00:25

Tgt Ion: 164 Resp: 22159

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.6 | 71.1  | 132.1 |
| 131 | 96.1  | 67.8  | 126.0 |
| 166 | 131.5 | 90.6  | 168.2 |

