

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100821\  
 Data File : VU045244.D  
 Acq On : 08 Oct 2021 12:18  
 Operator : SY/MD  
 Sample : M4024-13DL 5X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AM1DL

Quant Time: Oct 09 05:30:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 09 05:29:23 2021  
 Response via : Initial Calibration

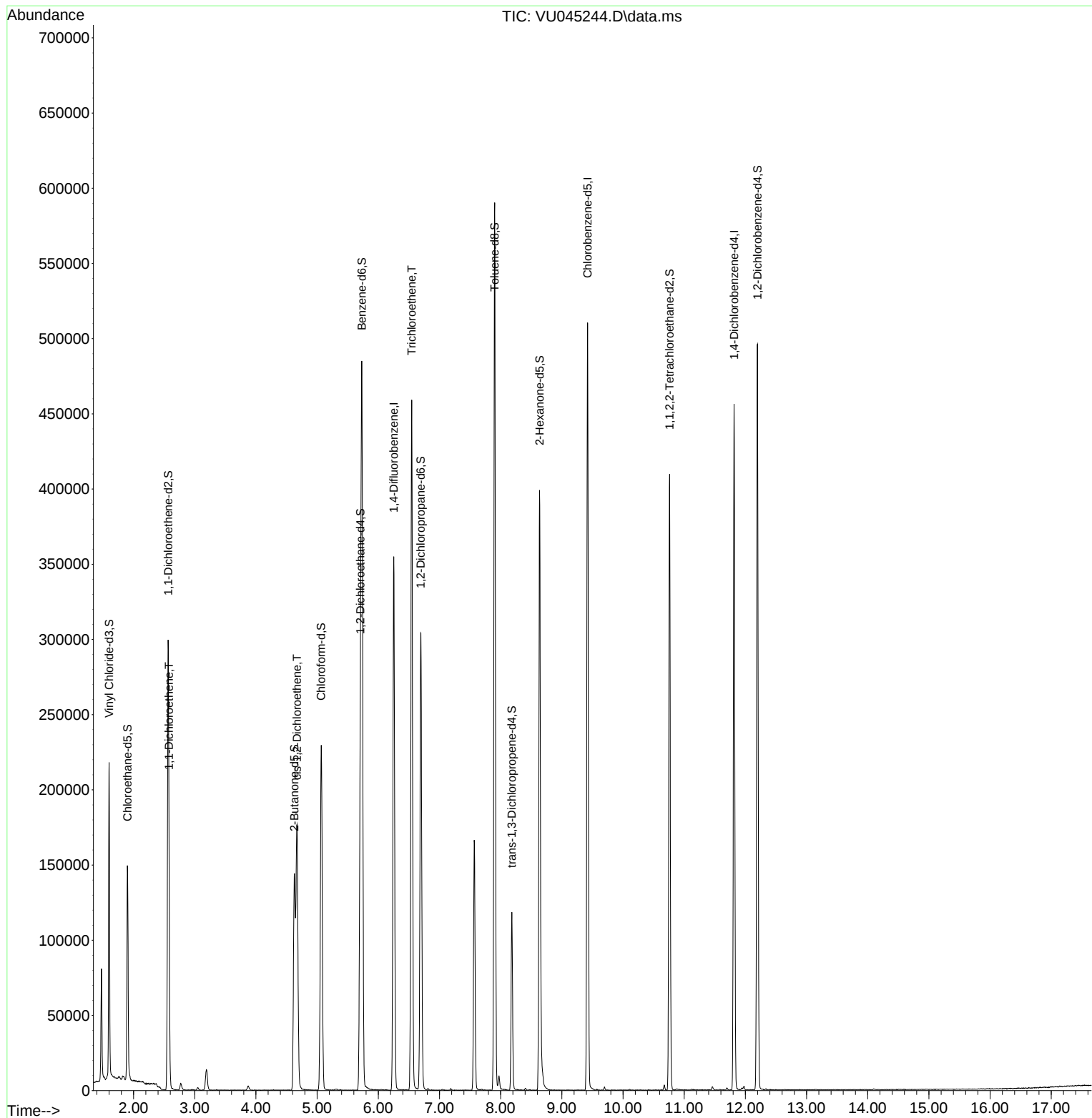
| Compound                      | R.T.    | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|--------|----------|----------|
| -----                         |         |                |          |        |          |          |
| Internal Standards            |         |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114            | 275481   | 50.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117            | 264398   | 50.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152            | 110354   | 50.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65             | 139229   | 46.168 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =      | 92.340%  |          |
| 7) Chloroethane-d5            | 1.900   | 69             | 110361   | 46.181 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =      | 92.360%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63             | 176516   | 34.854 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 69.700%  |          |
| 21) 2-Butanone-d5             | 4.626   | 46             | 200011   | 83.892 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =      | 83.890%  |          |
| 24) Chloroform-d              | 5.067   | 84             | 207240   | 43.510 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 87.020%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65             | 145870   | 45.213 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 90.420%  |          |
| 32) Benzene-d6                | 5.732   | 84             | 433345   | 47.234 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 94.460%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67             | 139420   | 46.605 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =      | 93.220%  |          |
| 41) Toluene-d8                | 7.903   | 98             | 372884   | 47.096 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 94.200%  |          |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79             | 61643    | 46.324 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 92.640%  |          |
| 47) 2-Hexanone-d5             | 8.636   | 63             | 136957   | 82.614 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =      | 82.610%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84             | 203818   | 43.754 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =      | 87.500%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198  | 152            | 122551   | 51.029 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 102.060% |          |
| Target Compounds              |         |                |          |        |          |          |
|                               |         |                |          |        | Qvalue   |          |
| 12) 1,1-Dichloroethene        | 2.578   | 96             | 15417    | 7.227  | ug/L     | # 1      |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96             | 84488    | 34.119 | ug/L     | 94       |
| 34) Trichloroethene           | 6.546   | 95             | 156299   | 66.358 | ug/L     | 99       |
| -----                         |         |                |          |        |          |          |

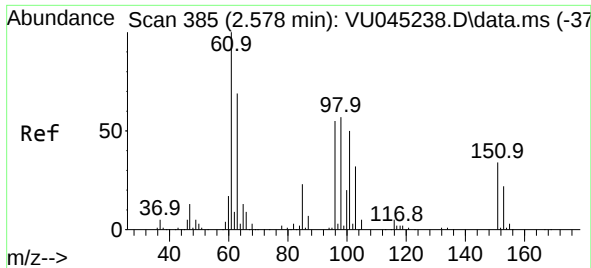
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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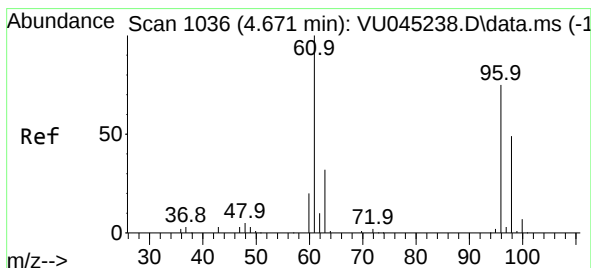
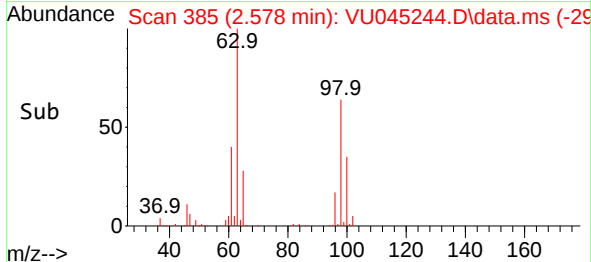
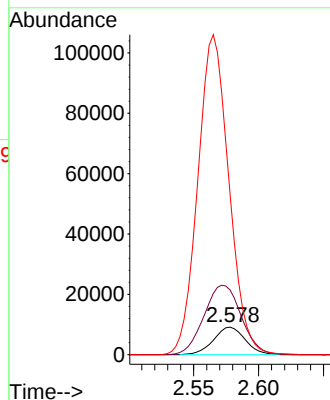
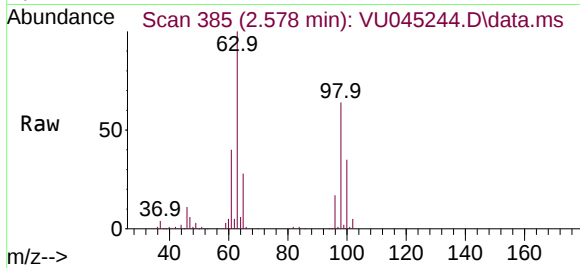




#12  
1,1-Dichloroethene  
Concen: 7.227 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. 0.000 min  
Lab File: VU045244.D  
Acq: 08 Oct 2021 12:18

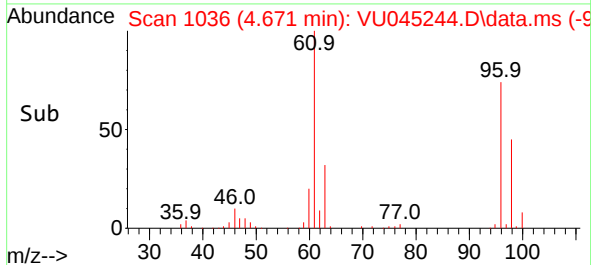
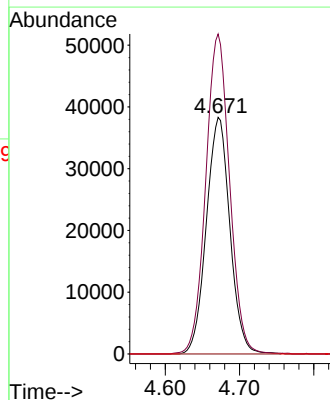
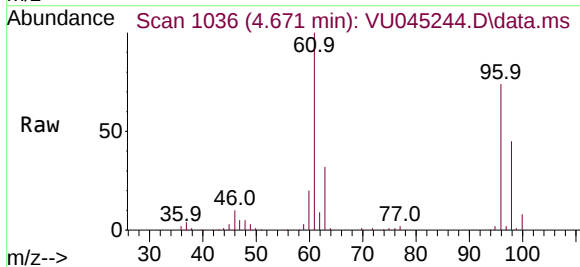
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AM1DL

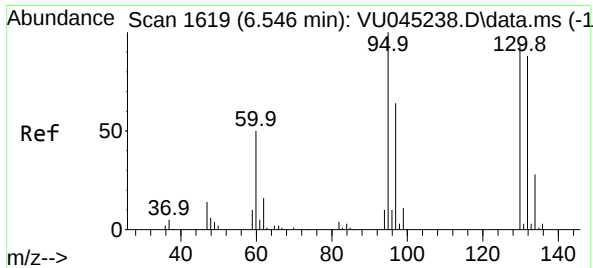
Tgt Ion: 96 Resp: 15417  
Ion Ratio Lower Upper  
96 100  
61 235.4 131.3 243.9  
63 583.2 102.5 190.3#



#20  
cis-1,2-Dichloroethene  
Concen: 34.119 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VU045244.D  
Acq: 08 Oct 2021 12:18

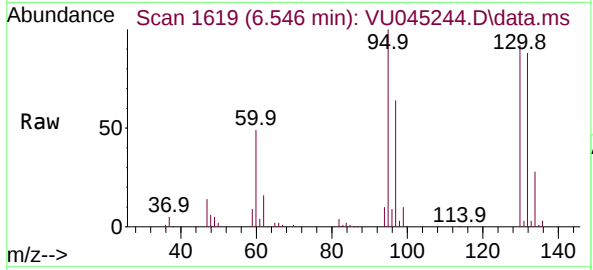
Tgt Ion: 96 Resp: 84488  
Ion Ratio Lower Upper  
96 100  
61 135.3 100.2 186.0  
68 0.0 0.0 0.0





#34  
 Trichloroethene  
 Concen: 66.358 ug/L  
 RT: 6.546 min Scan# 1619  
 Delta R.T. 0.000 min  
 Lab File: VU045244.D  
 Acq: 08 Oct 2021 12:18

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Tgt Ion: 95 Resp: 156299

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.5  | 44.4  | 82.4  |
| 132 | 88.2  | 62.9  | 116.9 |
| 130 | 91.5  | 65.0  | 120.8 |

