

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100621\  
 Data File : VU045177.D  
 Acq On : 06 Oct 2021 11:51  
 Operator : SY/MD  
 Sample : M4024-10  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AL8

Quant Time: Oct 07 03:01:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 07 03:00:32 2021  
 Response via : Initial Calibration

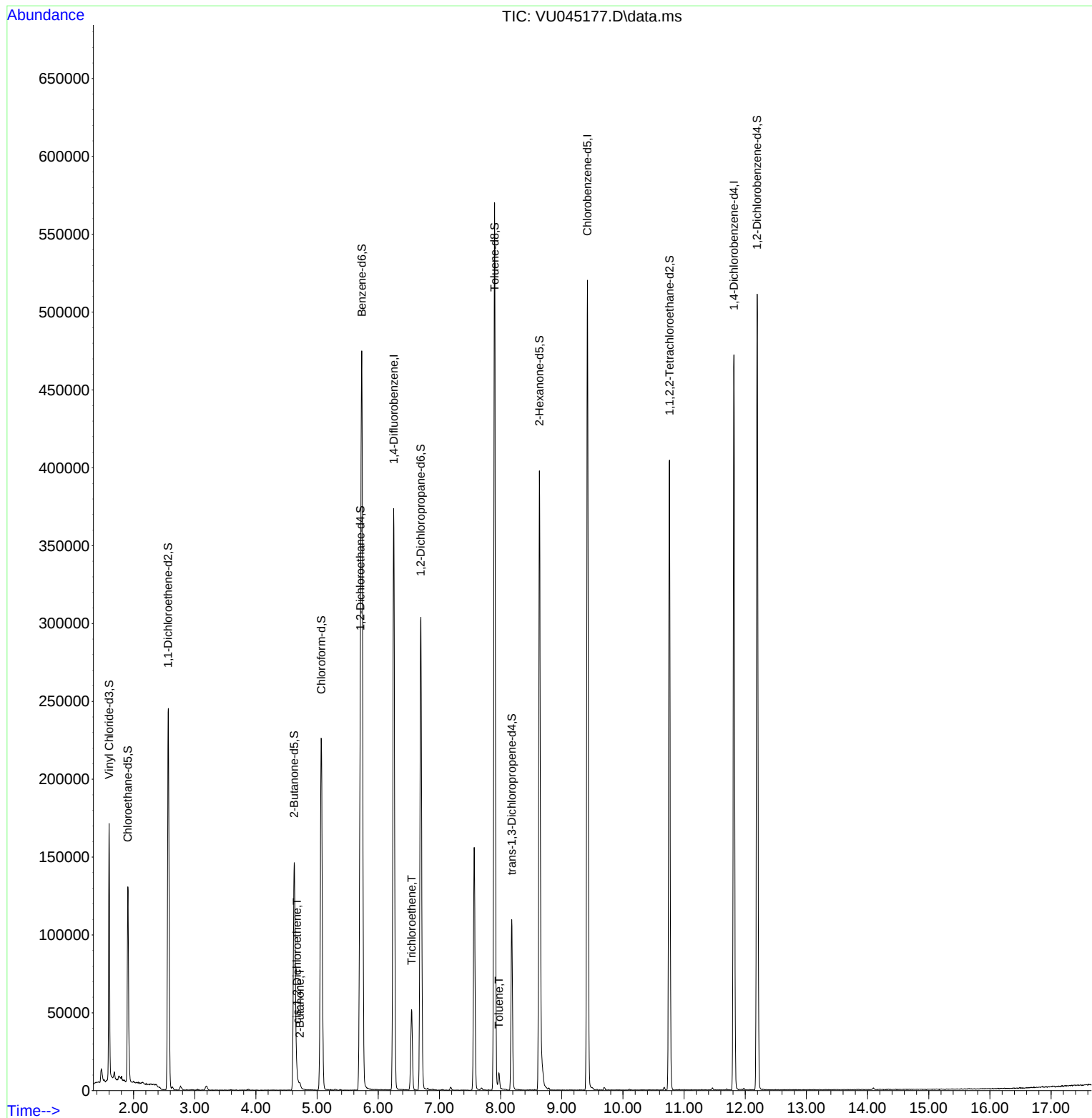
| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 288968     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 272479     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 116136     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 108755     | 34.380   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 68.760%  |       |          |
| 7) Chloroethane-d5            | 1.906          | 69   | 97911      | 39.059   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 78.120%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 148172     | 27.892   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 55.780%# |       |          |
| 21) 2-Butanone-d5             | 4.626          | 46   | 209961     | 83.955   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 83.960%  |       |          |
| 24) Chloroform-d              | 5.070          | 84   | 204397     | 40.911   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 81.820%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 147941     | 43.715   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.420%  |       |          |
| 32) Benzene-d6                | 5.732          | 84   | 425602     | 45.014   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.020%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 139317     | 45.190   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 90.380%  |       |          |
| 41) Toluene-d8                | 7.903          | 98   | 364579     | 44.682   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.360%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 58025      | 42.312   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 84.620%  |       |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 140971     | 82.513   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 82.510%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761         | 84   | 202261     | 42.132   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 84.260%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 124671     | 49.327   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 98.660%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 2209       | 0.850    | ug/L  | 81       |
| 22) 2-Butanone                | 4.716          | 43   | 6248       | 1.931    | ug/L  | 93       |
| 34) Trichloroethene           | 6.546          | 95   | 15960      | 6.575    | ug/L  | 97       |
| 42) Toluene                   | 7.973          | 91   | 7647       | 0.745    | ug/L  | 96       |
| -----                         |                |      |            |          |       |          |

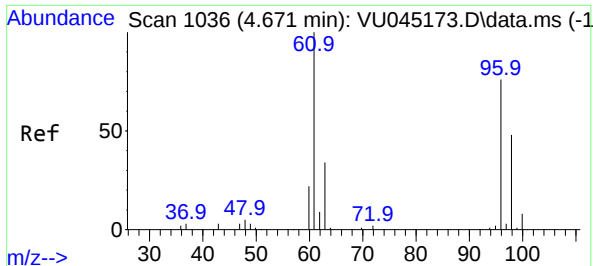
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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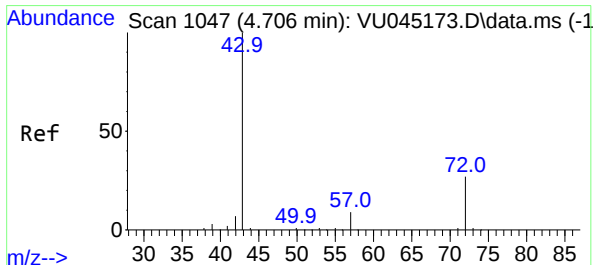
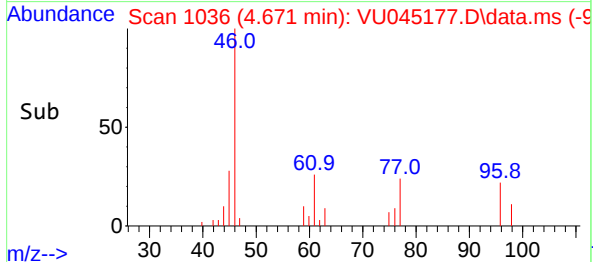
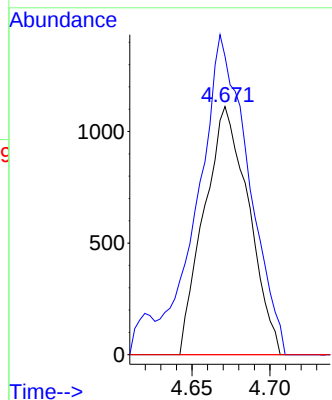
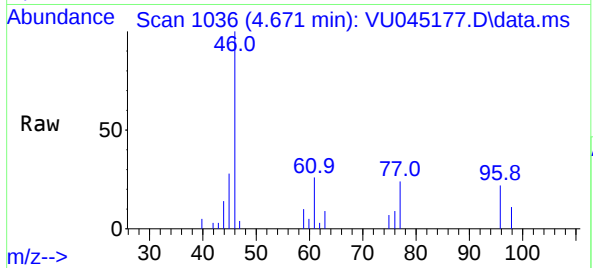




#20  
cis-1,2-Dichloroethene  
Concen: 0.850 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VU045177.D  
Acq: 06 Oct 2021 11:51

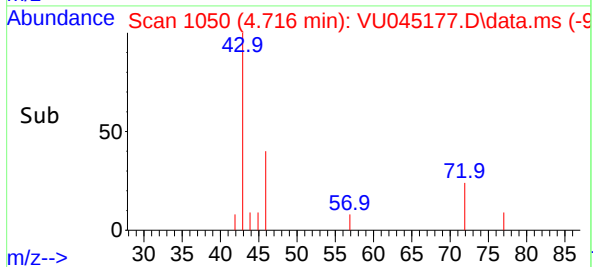
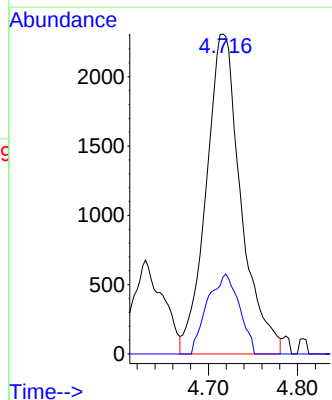
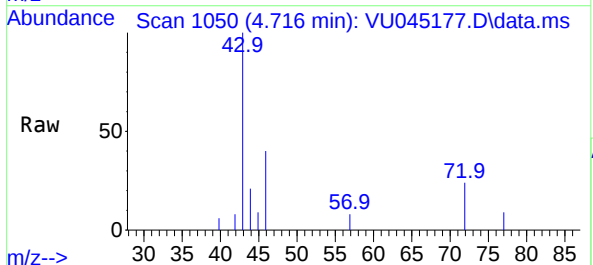
Instrument :  
MSVOA\_U  
ClientSampled :  
C0AL8

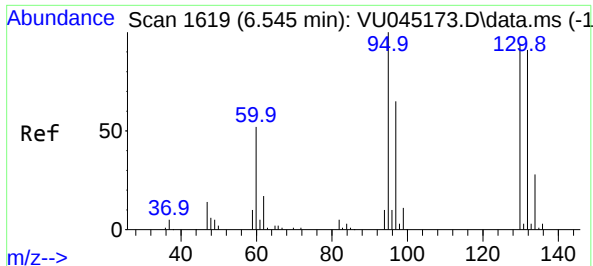
Tgt Ion: 96 Resp: 2209  
Ion Ratio Lower Upper  
96 100  
61 120.2 100.2 186.0  
68 0.0 0.0 0.0



#22  
2-Butanone  
Concen: 1.931 ug/L  
RT: 4.716 min Scan# 1050  
Delta R.T. 0.010 min  
Lab File: VU045177.D  
Acq: 06 Oct 2021 11:51

Tgt Ion: 43 Resp: 6248  
Ion Ratio Lower Upper  
43 100  
72 22.9 13.3 39.9

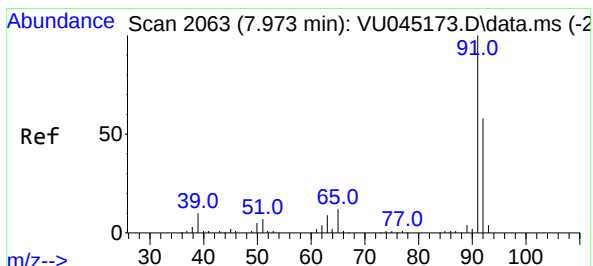
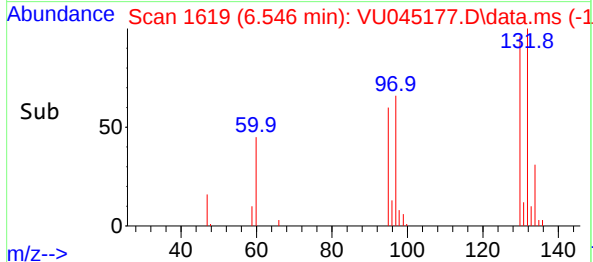
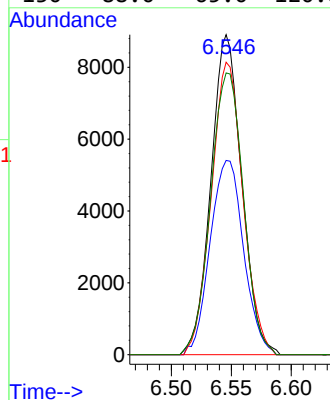
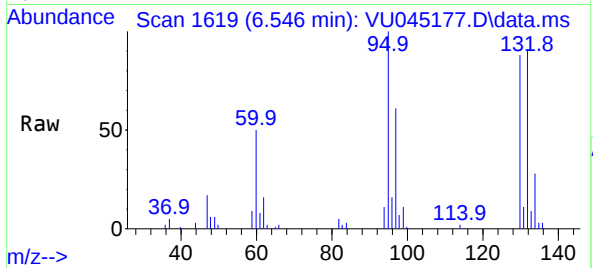




#34  
Trichloroethene  
Concen: 6.575 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VU045177.D  
Acq: 06 Oct 2021 11:51

Instrument :  
MSVOA\_U  
ClientSampled :  
C0AL8

Tgt Ion: 95 Resp: 15960  
Ion Ratio Lower Upper  
95 100  
97 60.7 44.4 82.4  
132 91.4 62.9 116.9  
130 88.0 65.0 120.8



#42  
Toluene  
Concen: 0.745 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU045177.D  
Acq: 06 Oct 2021 11:51

Tgt Ion: 91 Resp: 7647  
Ion Ratio Lower Upper  
91 100  
92 60.9 40.5 75.1

