

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112425\  
 Data File : VU063782.D  
 Acq On : 24 Nov 2025 17:03  
 Operator : MD/SY  
 Sample : Q3688-17  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 M-29

Quant Time: Nov 25 00:24:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM111725WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 25 00:22:49 2025  
 Response via : Initial Calibration

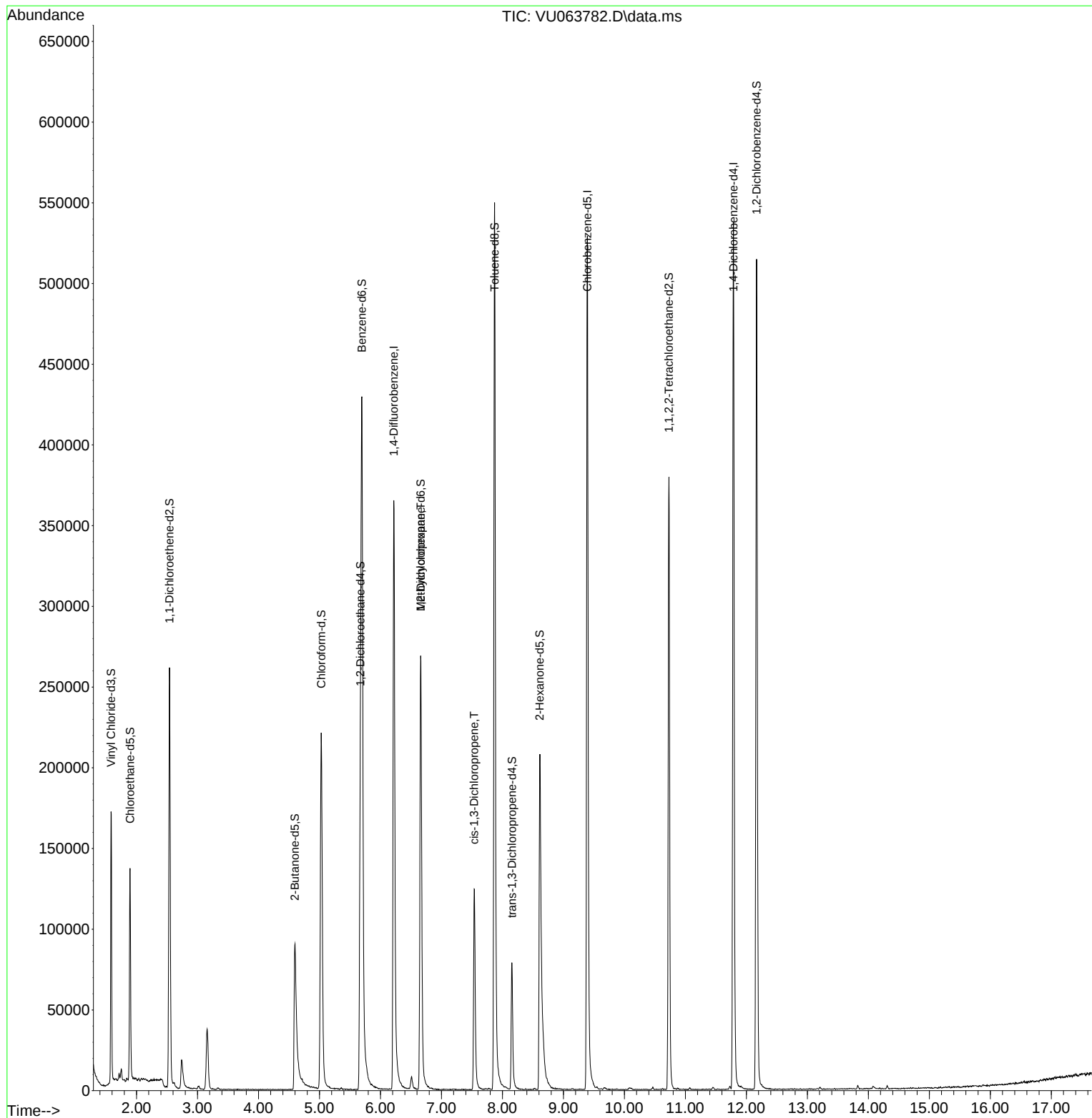
| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.219          | 114  | 308394     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.393          | 117  | 298059     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.788         | 152  | 146028     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.583          | 65   | 111623     | 41.915   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 83.820%  |       |          |
| 7) Chloroethane-d5            | 1.895          | 69   | 93025      | 45.340   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 90.680%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.541          | 63   | 159030     | 34.451   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 68.900%  |       |          |
| 21) 2-Butanone-d5             | 4.595          | 46   | 139426     | 91.835   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 91.840%  |       |          |
| 24) Chloroform-d              | 5.029          | 84   | 211269     | 47.283   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.560%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.669          | 65   | 144279     | 49.106   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.220%  |       |          |
| 32) Benzene-d6                | 5.695          | 84   | 418050     | 47.850   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.700%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.660          | 67   | 127430     | 49.684   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 99.360%  |       |          |
| 41) Toluene-d8                | 7.872          | 98   | 382772     | 46.144   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 92.280%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.155          | 79   | 44462      | 41.949   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.900%  |       |          |
| 47) 2-Hexanone-d5             | 8.611          | 63   | 78200      | 83.859   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 83.860%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.730         | 84   | 178988     | 47.720   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 95.440%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.167         | 152  | 139738     | 50.691   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.380% |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 35) Methylcyclohexane         | 6.660          | 83   | 31208      | 8.112    | ug/L  | # 18     |
| 39) cis-1,3-Dichloropropene   | 7.537          | 75   | 3590       | 1.025    | ug/L  | 88       |
| -----                         |                |      |            |          |       |          |

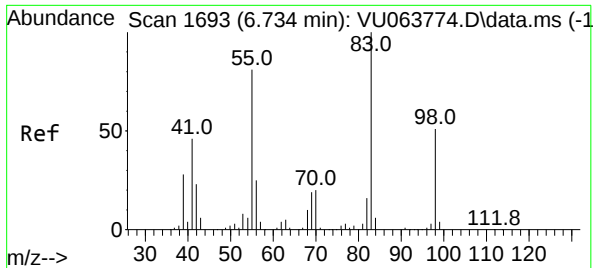
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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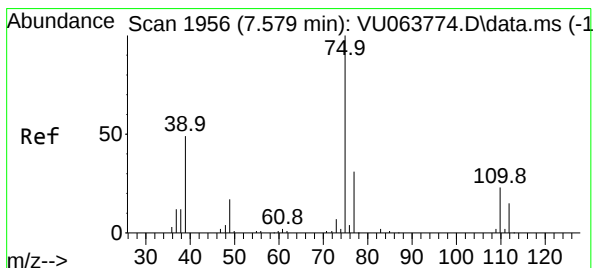
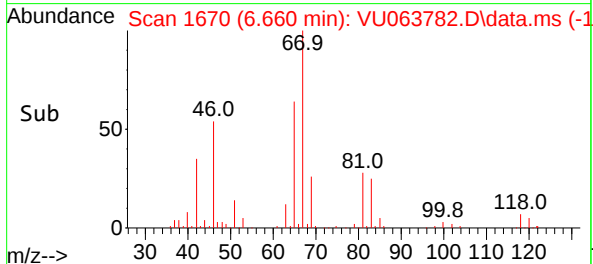
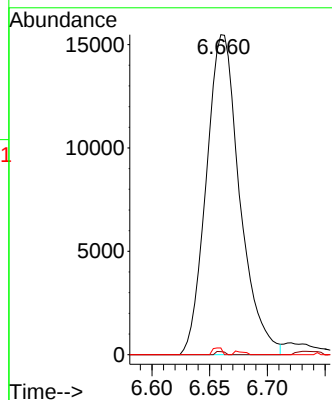
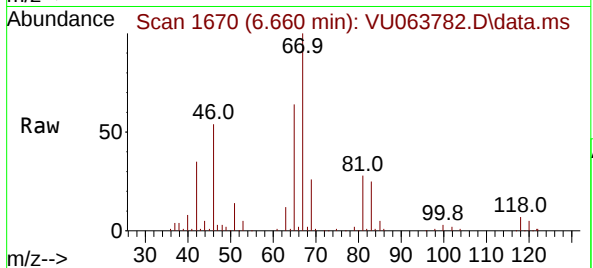




#35  
Methylcyclohexane  
Concen: 8.112 ug/L  
RT: 6.660 min Scan# 1  
Delta R.T. -0.074 min  
Lab File: VU063782.D  
Acq: 24 Nov 2025 17:03

Instrument :  
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Tgt Ion: 83 Resp: 31208  
Ion Ratio Lower Upper  
83 100  
55 0.3 60.9 91.3#  
98 0.6 39.7 59.5#



#39  
cis-1,3-Dichloropropene  
Concen: 1.025 ug/L  
RT: 7.537 min Scan# 1943  
Delta R.T. -0.042 min  
Lab File: VU063782.D  
Acq: 24 Nov 2025 17:03

Tgt Ion: 75 Resp: 3590  
Ion Ratio Lower Upper  
75 100  
77 38.4 22.1 41.1

