

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080522\  
 Data File : VU050091.D  
 Acq On : 05 Aug 2022 12:27  
 Operator : SY/MD  
 Sample : N4022-08DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5D76DL

Quant Time: Aug 06 04:34:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 06 04:32:47 2022  
 Response via : Initial Calibration

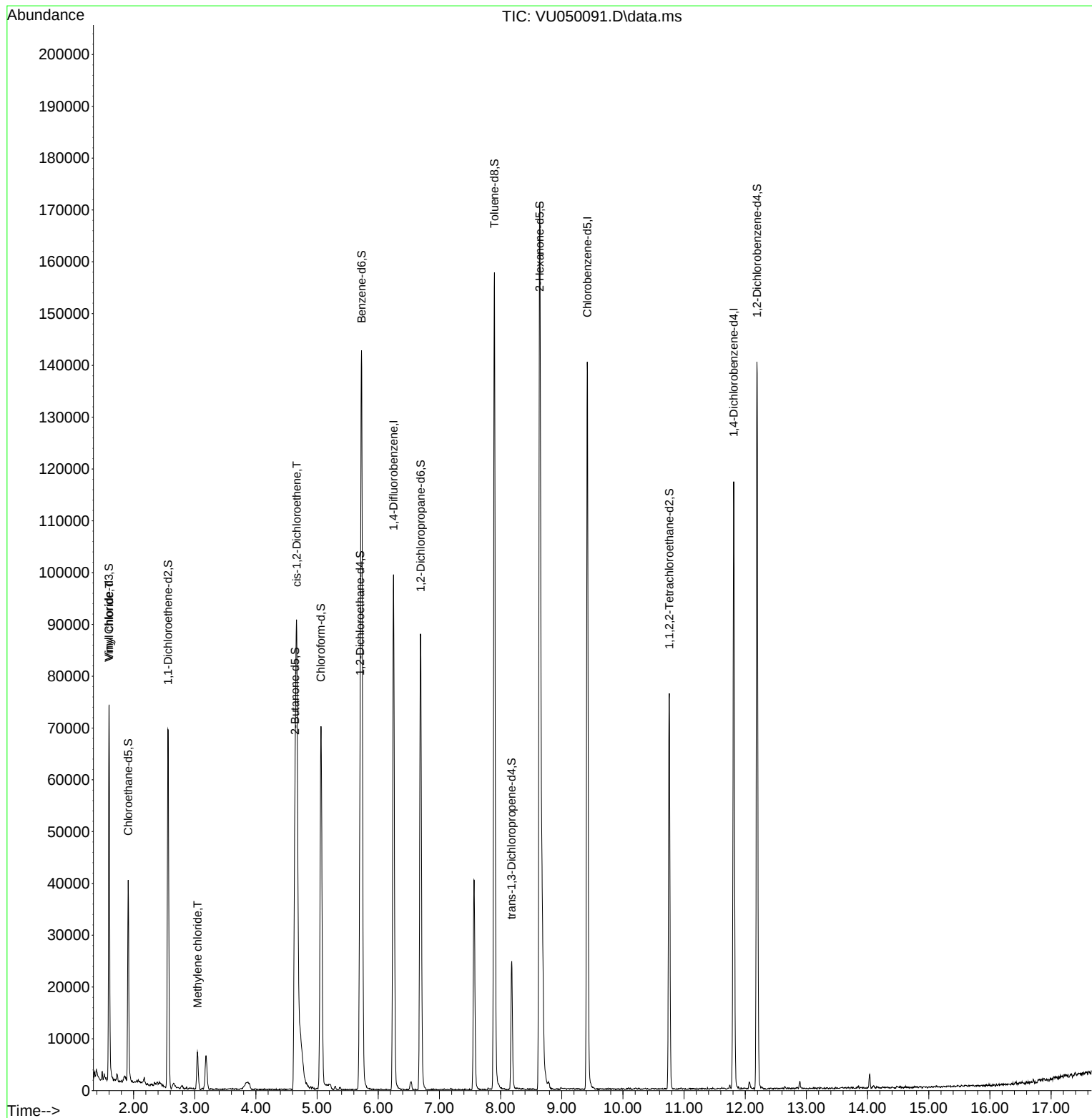
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 83443    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 83615    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 32368    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 32551    | 4.688    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 93.800%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 28318    | 5.055    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 101.000% |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65    | 12965    | 4.777    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 95.600%  |
| 20) 2-Butanone-d5             | 4.639  | 46    | 106832   | 63.087   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 126.180% |
| 24) Chloroform-d              | 5.063  | 84    | 68483    | 5.302    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 106.000% |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 36757    | 5.543    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 110.800% |
| 32) Benzene-d6                | 5.729  | 84    | 136252   | 5.222    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.400% |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 47020    | 5.472    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 109.400% |
| 41) Toluene-d8                | 7.899  | 98    | 112149   | 4.866    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.400%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 15905    | 5.165    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 103.400% |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 61390    | 56.222   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 112.440% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 41029    | 5.437    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 108.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 38058    | 6.001    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 120.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.601  | 62    | 24846    | 2.772    | ug/L   | 98       |
| 16) Methylene chloride        | 3.044  | 84    | 3583     | 0.407    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 33334    | 4.650    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

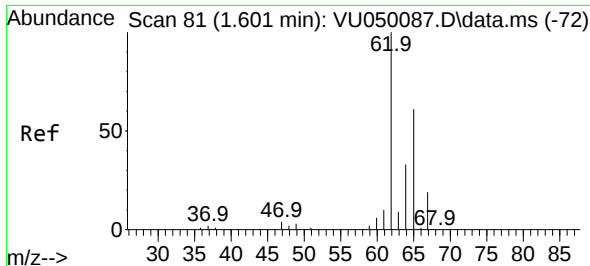
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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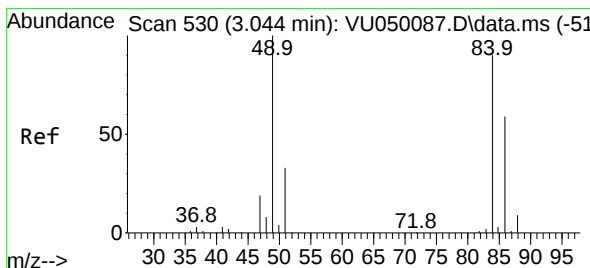
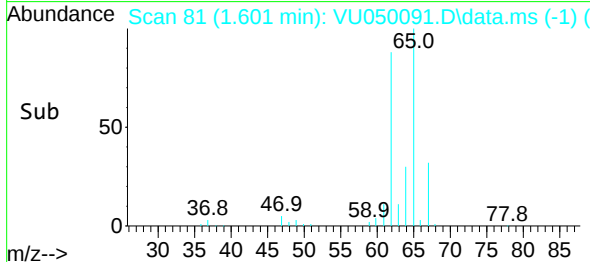
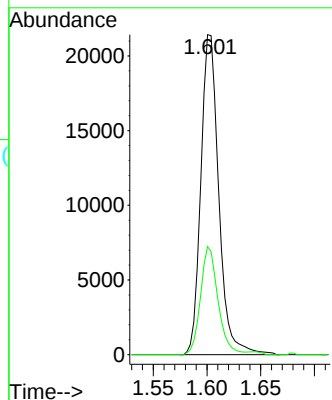
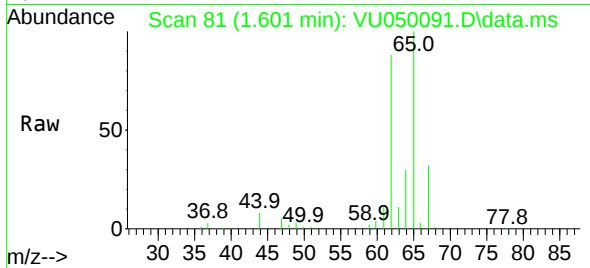




#5  
 Vinyl chloride  
 Concen: 2.772 ug/L  
 RT: 1.601 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU050091.D  
 Acq: 05 Aug 2022 12:27

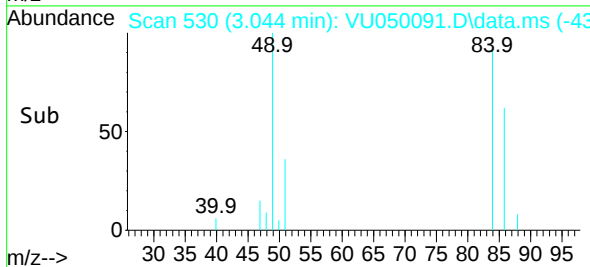
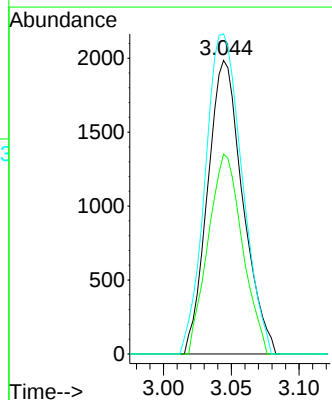
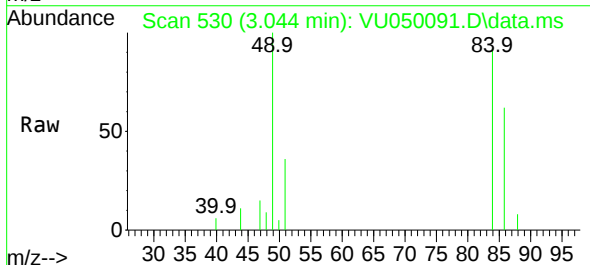
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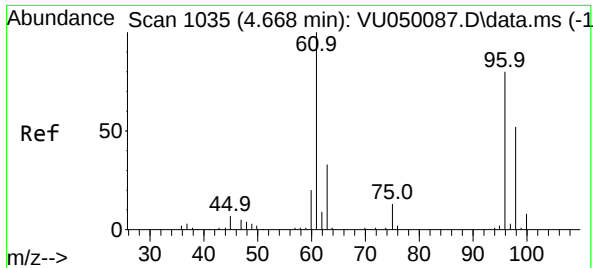
Tgt Ion: 62 Resp: 24846  
 Ion Ratio Lower Upper  
 62 100  
 64 33.8 22.8 42.4



#16  
 Methylene chloride  
 Concen: 0.407 ug/L  
 RT: 3.044 min Scan# 530  
 Delta R.T. -0.000 min  
 Lab File: VU050091.D  
 Acq: 05 Aug 2022 12:27

Tgt Ion: 84 Resp: 3583  
 Ion Ratio Lower Upper  
 84 100  
 86 68.0 45.9 85.3  
 49 109.0 77.6 144.0





#22  
 cis-1,2-Dichloroethene  
 Concen: 4.650 ug/L  
 RT: 4.668 min Scan# 10  
 Delta R.T. -0.000 min  
 Lab File: VU050091.D  
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 MSVOA\_U  
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Tgt Ion: 96 Resp: 33334

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.8 | 89.0  | 165.4 |
| 98  | 65.8  | 45.2  | 84.0  |

