

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121423\  
 Data File : VU056841.D  
 Acq On : 14 Dec 2023 16:05  
 Operator : MD/SY  
 Sample : 05684-07DL 20X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E06J3DL

Quant Time: Dec 15 00:53:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 15 00:49:12 2023  
 Response via : Initial Calibration

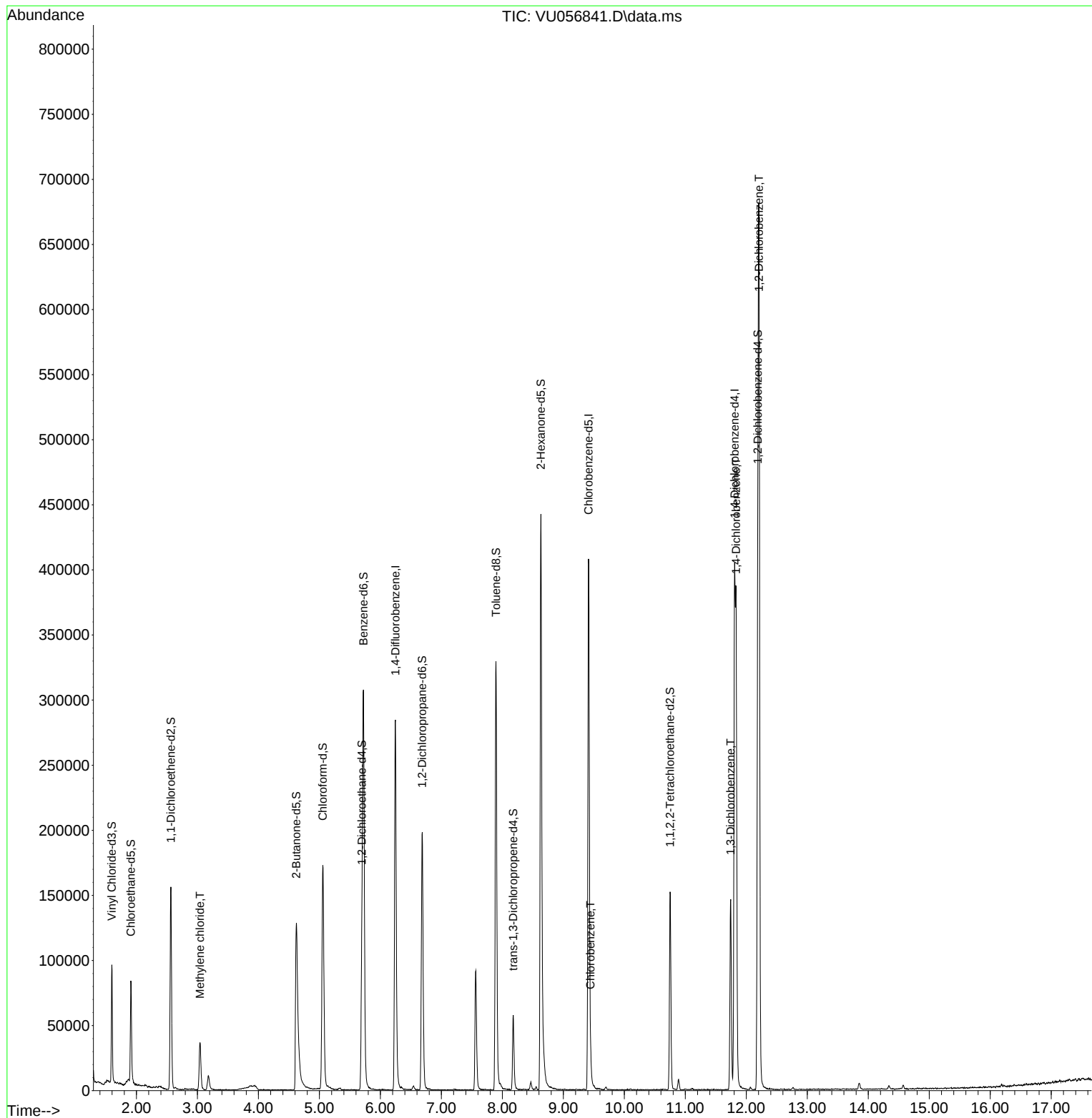
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 231419   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 237546   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 99791    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 64911    | 3.272    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 65.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 58262    | 3.925    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 30772    | 3.626    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 72.600%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 201390   | 51.409   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 102.820% |
| 24) Chloroform-d              | 5.055  | 84    | 165670   | 4.410    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 82104    | 4.619    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 290868   | 3.948    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 98843    | 4.286    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.800%  |
| 41) Toluene-d8                | 7.894  | 98    | 229726   | 3.488    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 69.800%# |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 33327    | 3.726    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 74.600%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 145953   | 43.270   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 86.540%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 76295    | 4.572    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 89881    | 4.582    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.039  | 84    | 18578    | 0.908    | ug/L   | 96       |
| 51) Chlorobenzene             | 9.444  | 112   | 9674     | 0.176    | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146   | 62325    | 1.671    | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146   | 137781   | 3.752    | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146   | 238614   | 7.023    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

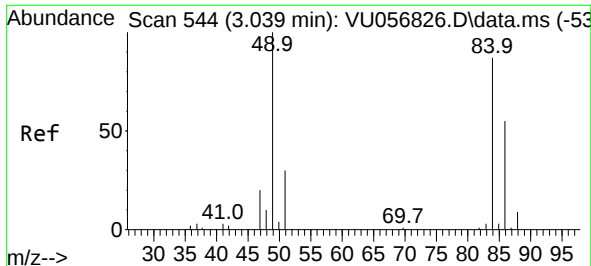
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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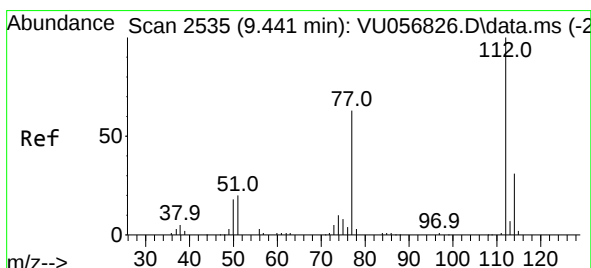
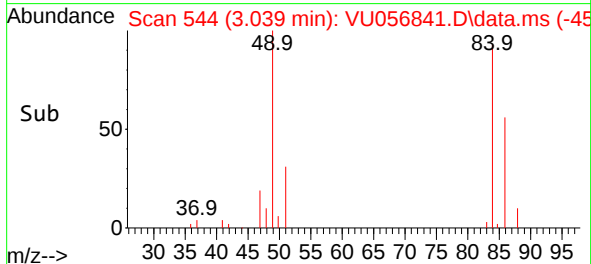
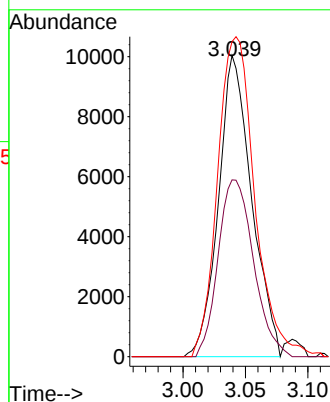
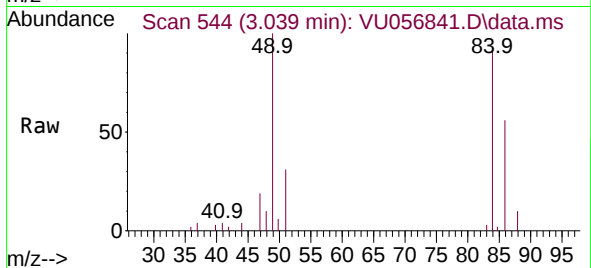




#16  
Methylene chloride  
Concen: 0.908 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU056841.D  
Acq: 14 Dec 2023 16:05

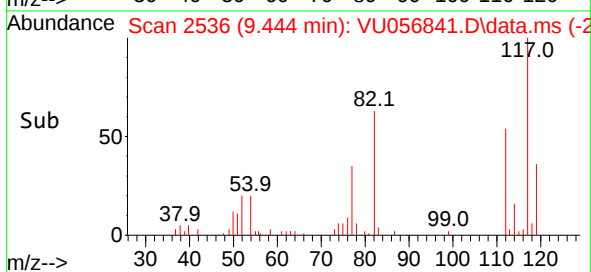
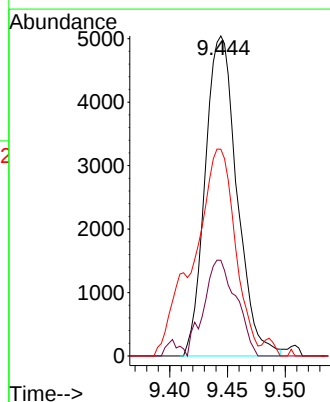
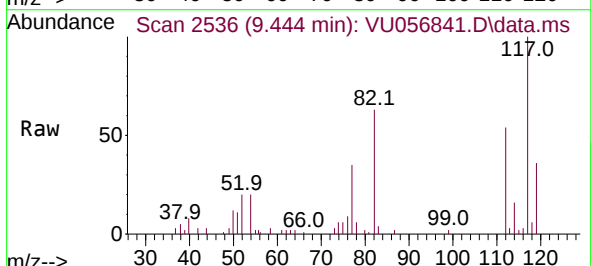
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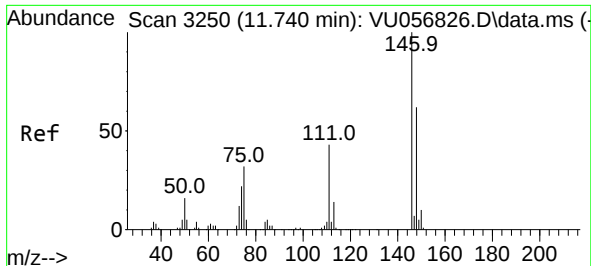
Tgt Ion: 84 Resp: 18578  
Ion Ratio Lower Upper  
84 100  
86 58.7 43.6 81.0  
49 110.5 80.6 149.6



#51  
Chlorobenzene  
Concen: 0.176 ug/L  
RT: 9.444 min Scan# 2536  
Delta R.T. 0.003 min  
Lab File: VU056841.D  
Acq: 14 Dec 2023 16:05

Tgt Ion: 112 Resp: 9674  
Ion Ratio Lower Upper  
112 100  
114 29.9 21.9 40.7  
77 64.6 51.6 77.4

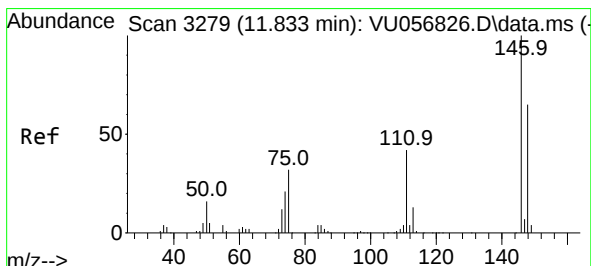
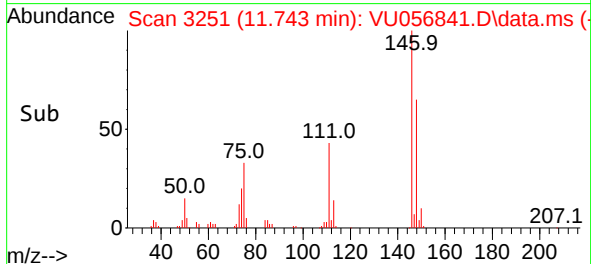
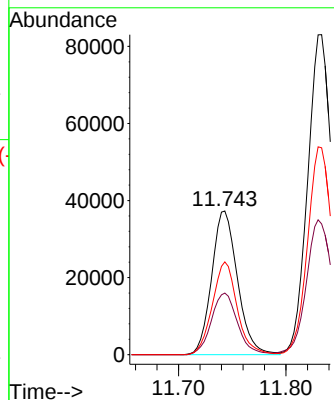
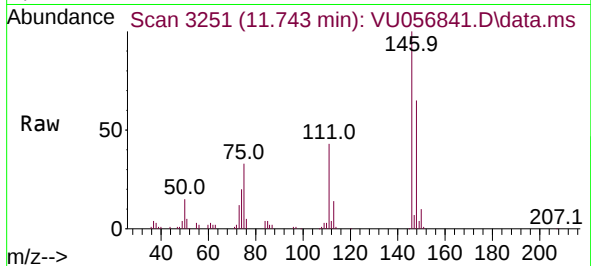




#64  
1,3-Dichlorobenzene  
Concen: 1.671 ug/L  
RT: 11.743 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU056841.D  
Acq: 14 Dec 2023 16:05

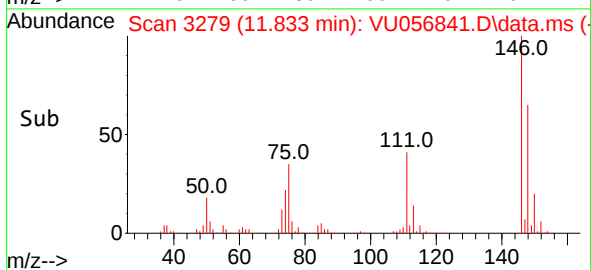
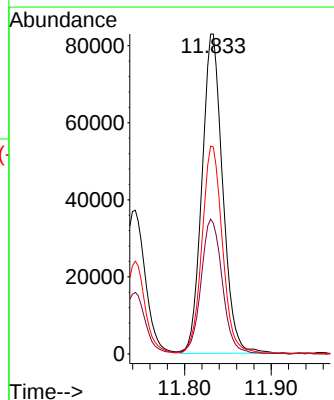
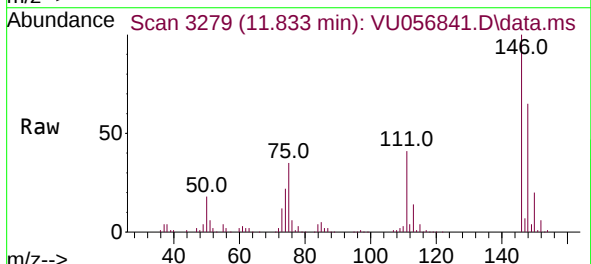
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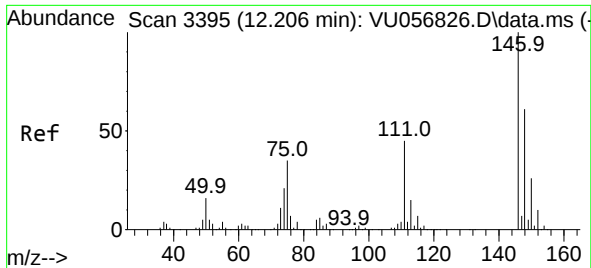
Tgt Ion:146 Resp: 62325  
Ion Ratio Lower Upper  
146 100  
111 42.9 31.7 58.9  
148 64.5 44.3 82.3



#65  
1,4-Dichlorobenzene  
Concen: 3.752 ug/L  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.000 min  
Lab File: VU056841.D  
Acq: 14 Dec 2023 16:05

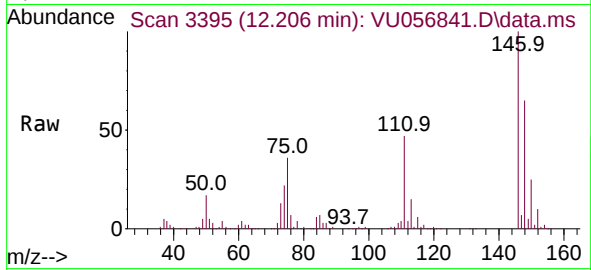
Tgt Ion:146 Resp: 137781  
Ion Ratio Lower Upper  
146 100  
111 40.8 31.2 58.0  
148 64.7 45.6 84.8





#67  
 1,2-Dichlorobenzene  
 Concen: 7.023 ug/L  
 RT: 12.206 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU056841.D  
 Acq: 14 Dec 2023 16:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E06J3DL



Tgt Ion:146 Resp: 238614  
 Ion Ratio Lower Upper  
 146 100  
 111 46.9 36.9 55.3  
 148 65.5 53.0 79.4

