

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042623\  
 Data File : VU053923.D  
 Acq On : 26 Apr 2023 18:55  
 Operator : JC/MD  
 Sample : 02488-13 50X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE68

Quant Time: Apr 27 05:58:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 27 05:52:18 2023  
 Response via : Initial Calibration

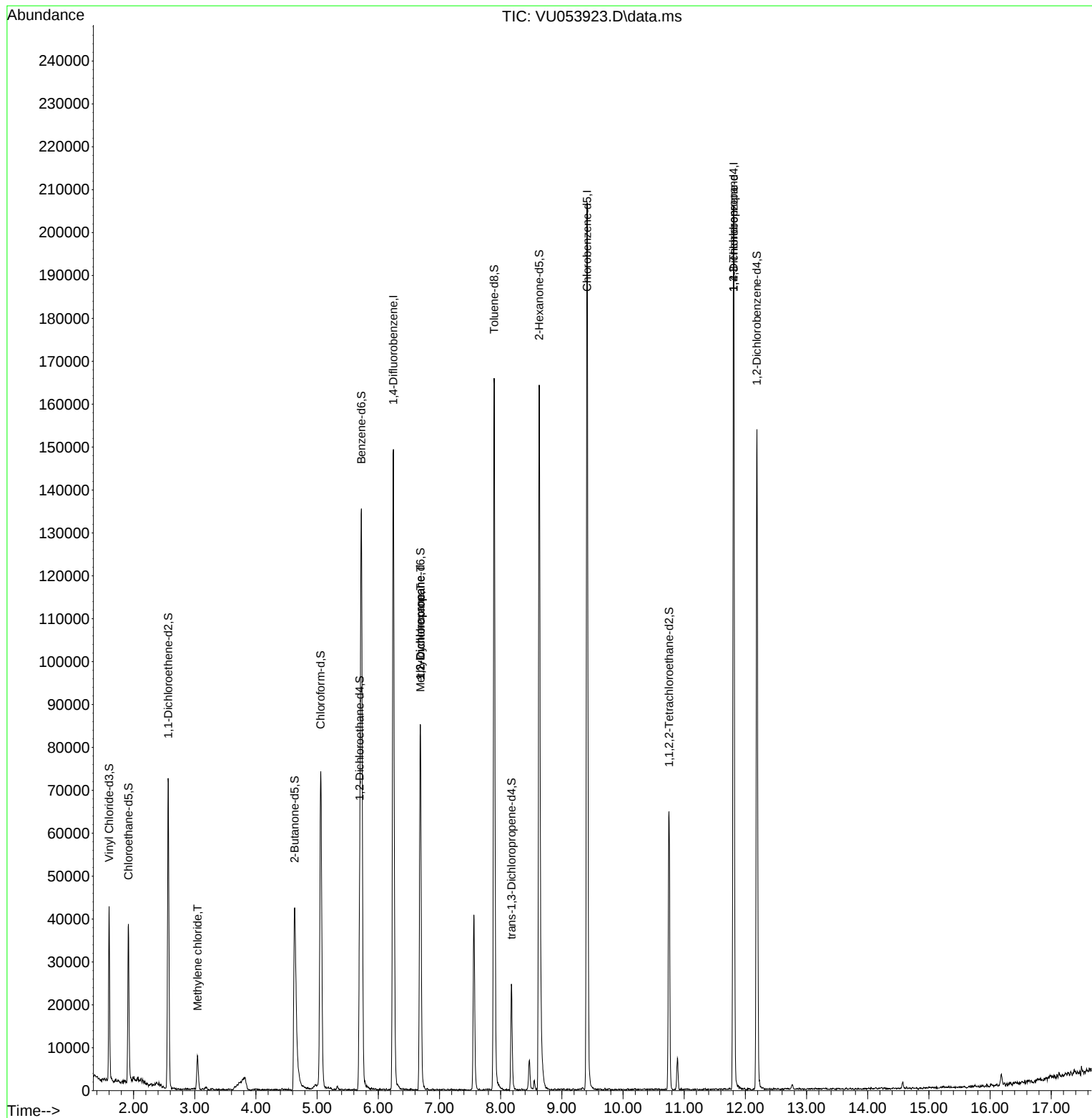
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 129757   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 122538   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 57662    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 29585    | 3.743    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 74.800%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 27675    | 4.172    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 13367    | 4.110    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.200%  |
| 20) 2-Butanone-d5             | 4.633  | 46    | 75413    | 52.096   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 104.200% |
| 24) Chloroform-d              | 5.057  | 84    | 68980    | 4.632    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 32723    | 4.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 32) Benzene-d6                | 5.723  | 84    | 133395   | 4.621    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 43046    | 4.929    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.600%  |
| 41) Toluene-d8                | 7.893  | 98    | 118016   | 4.381    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.600%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 14800    | 4.309    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 59982    | 49.348   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 33468    | 4.742    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 44221    | 4.781    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.044  | 84    | 4202     | 0.377    | ug/L   | 89       |
| 35) Methylcyclohexane         | 6.690  | 83    | 10071    | 0.693    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.687  | 63    | 4360     | 0.509    | ug/L # | 87       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 6714     | 1.510    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

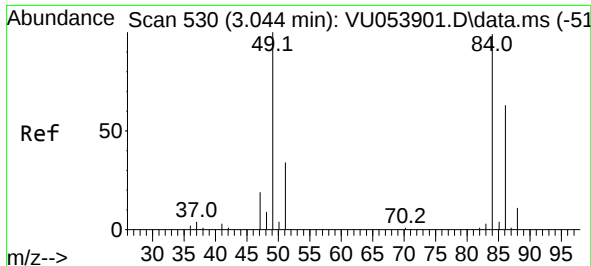
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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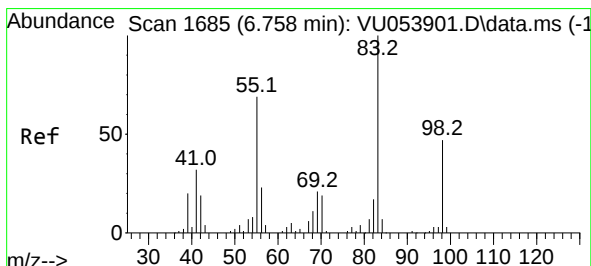
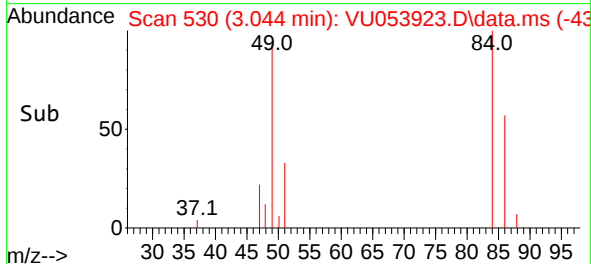
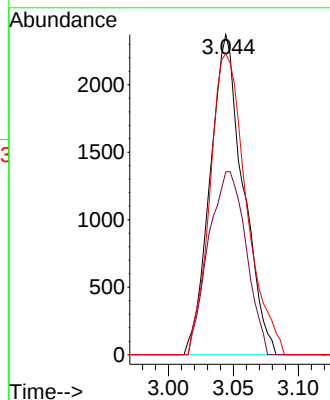
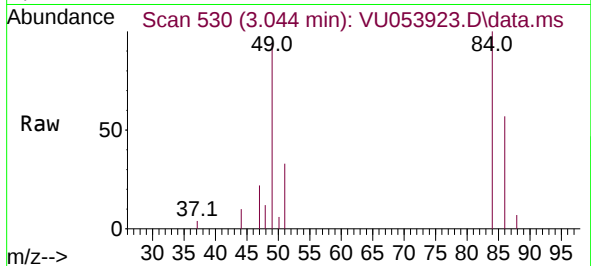




#16  
Methylene chloride  
Concen: 0.377 ug/L  
RT: 3.044 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU053923.D  
Acq: 26 Apr 2023 18:55

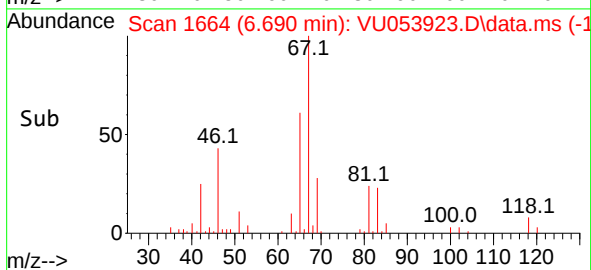
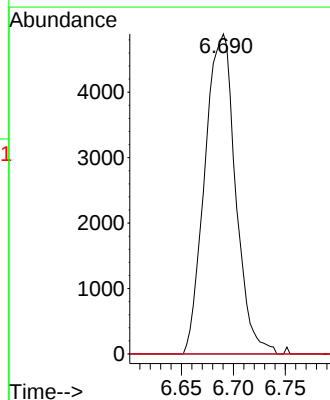
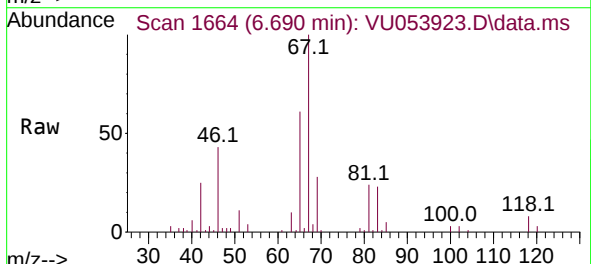
Instrument :  
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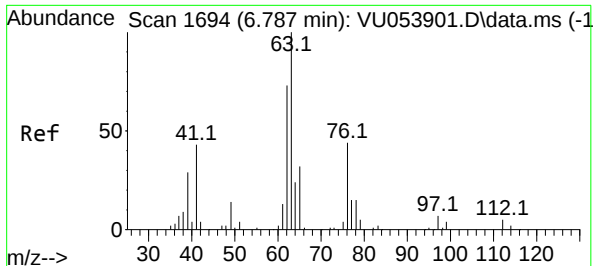
Tgt Ion: 84 Resp: 4202  
Ion Ratio Lower Upper  
84 100  
86 57.1 45.0 83.6  
49 94.1 74.8 138.8



#35  
Methylcyclohexane  
Concen: 0.693 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.067 min  
Lab File: VU053923.D  
Acq: 26 Apr 2023 18:55

Tgt Ion: 83 Resp: 10071  
Ion Ratio Lower Upper  
83 100  
55 0.0 55.4 83.2#  
98 0.0 37.3 55.9#





#37

1,2-Dichloropropane

Concen: 0.509 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU053923.D

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MSVOA\_U

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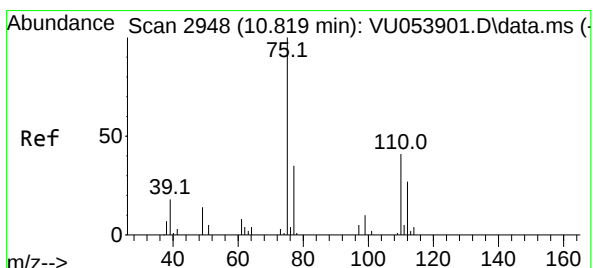
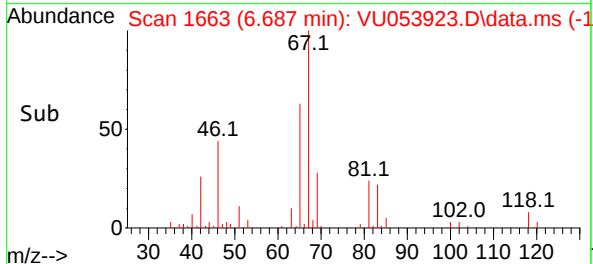
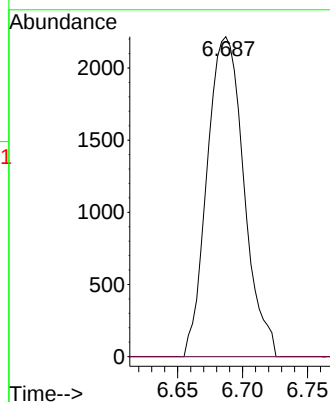
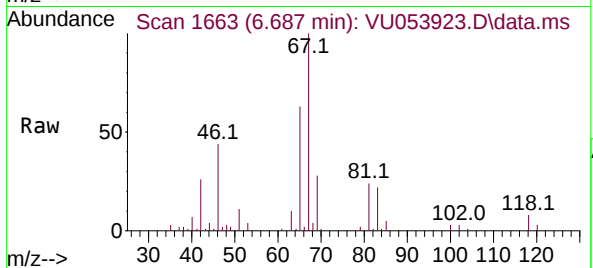
BHE68

Tgt Ion: 63 Resp: 4360

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#61

1,2,3-Trichloropropane

Concen: 1.510 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU053923.D

Acq: 26 Apr 2023 18:55

Tgt Ion: 75 Resp: 6714

Ion Ratio Lower Upper

75 100

110 0.3 30.7 46.1#

77 35.5 26.2 39.4

