

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091223\  
 Data File : VU055251.D  
 Acq On : 12 Sep 2023 16:27  
 Operator : MD/SY  
 Sample : 04307-19DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4J2DL

Quant Time: Sep 13 01:47:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 13 01:44:08 2023  
 Response via : Initial Calibration

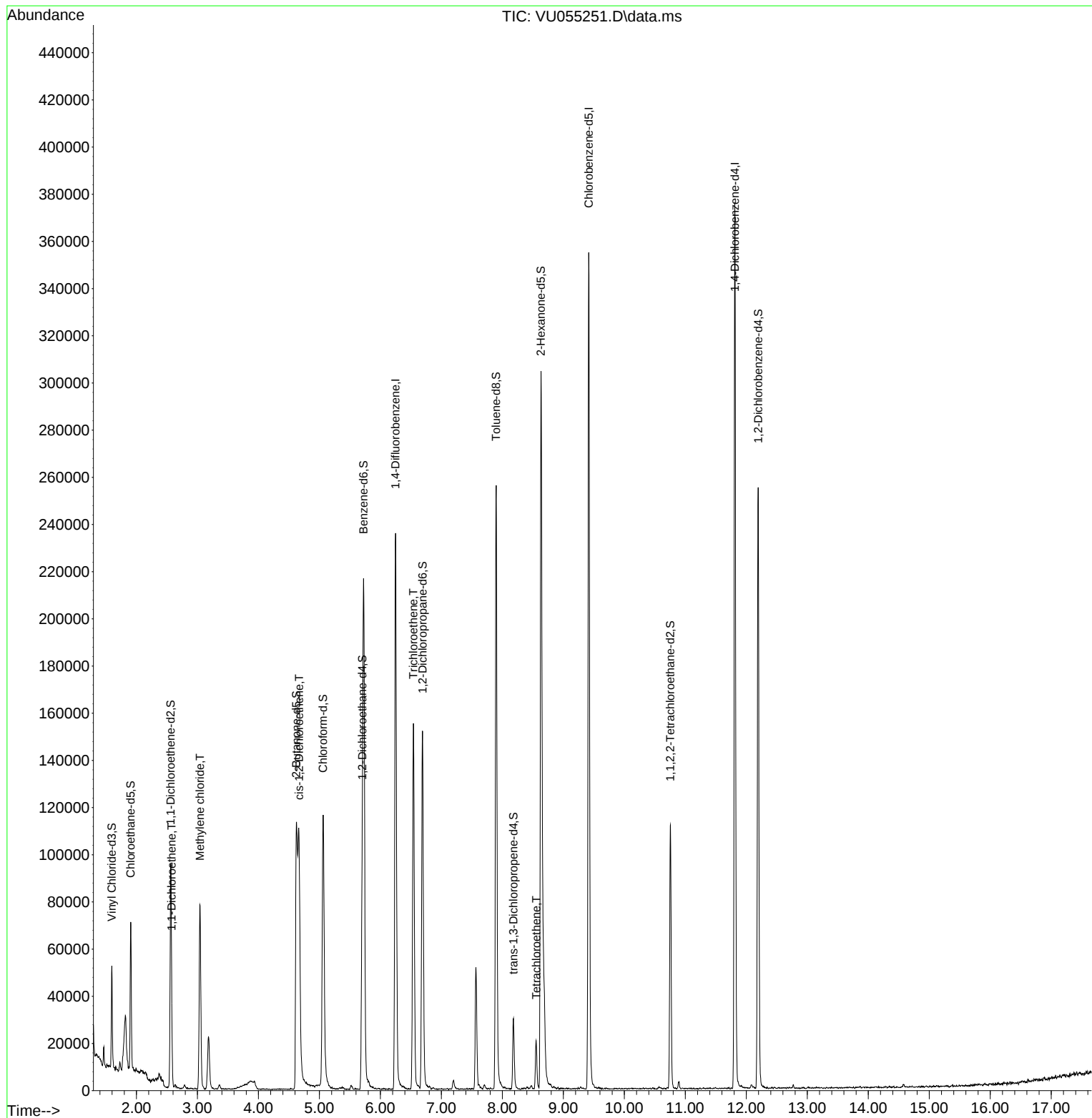
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 188305   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 197476   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152            | 97698    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 30444    | 3.450  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 69.000%  |          |
| 7) Chloroethane-d5            | 1.904  | 69             | 46656    | 4.567  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 91.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65             | 16453    | 3.272  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 65.400%  |          |
| 20) 2-Butanone-d5             | 4.621  | 46             | 151016   | 58.965 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 117.940% |          |
| 24) Chloroform-d              | 5.058  | 84             | 108399   | 4.629  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 92.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65             | 58971    | 5.033  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 100.600% |          |
| 32) Benzene-d6                | 5.724  | 84             | 204559   | 4.197  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.692  | 67             | 73848    | 4.763  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 95.200%  |          |
| 41) Toluene-d8                | 7.898  | 98             | 174918   | 3.895  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 78.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79             | 17918    | 4.197  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 84.000%  |          |
| 46) 2-Hexanone-d5             | 8.631  | 63             | 95615    | 55.162 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 110.320% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 56349    | 5.168  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 103.400% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152            | 65827    | 4.616  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 92.400%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 3854     | 0.443  | ug/L     | # 1      |
| 16) Methylene chloride        | 3.039  | 84             | 36549    | 2.748  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96             | 45811    | 4.237  | ug/L     | 89       |
| 34) Trichloroethene           | 6.541  | 95             | 52910    | 4.530  | ug/L     | 94       |
| 47) Tetrachloroethene         | 8.557  | 164            | 4701     | 0.582  | ug/L     | 80       |
| -----                         |        |                |          |        |          |          |

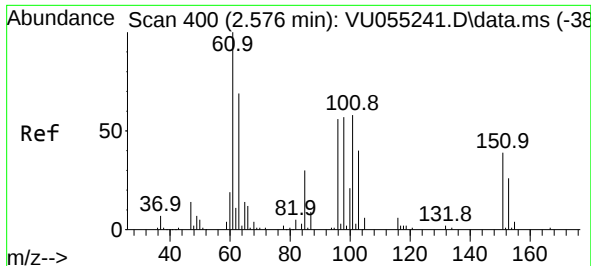
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.443 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU055251.D

Acq: 12 Sep 2023 16:27

Instrument :

MSVOA\_U

ClientSampleId :

BH4J2DL

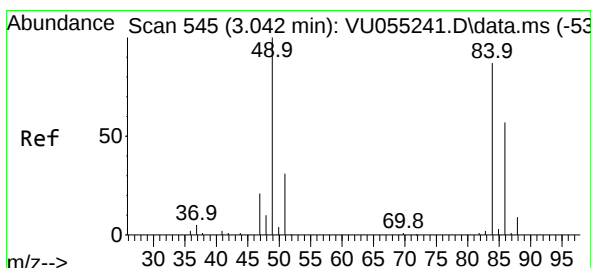
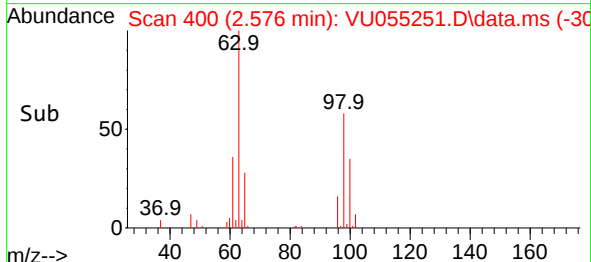
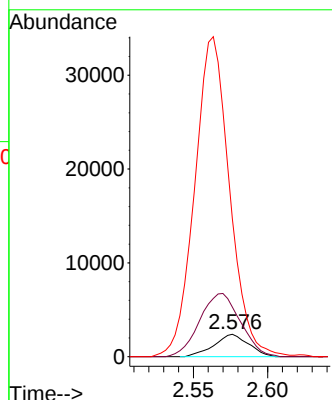
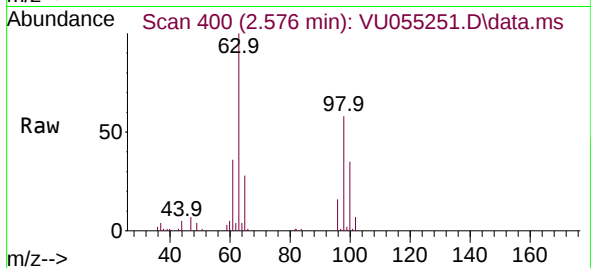
Tgt Ion: 96 Resp: 3854

Ion Ratio Lower Upper

96 100

61 220.7 120.8 224.4

63 614.1 94.5 175.5#



#16

Methylene chloride

Concen: 2.748 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.003 min

Lab File: VU055251.D

Acq: 12 Sep 2023 16:27

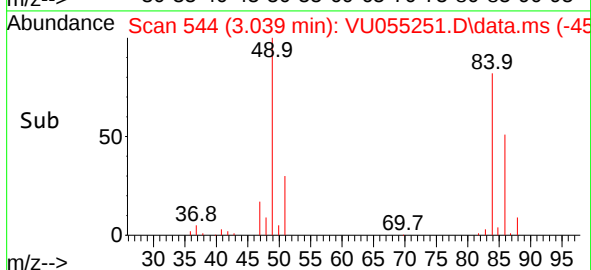
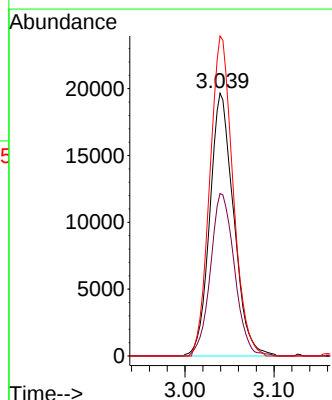
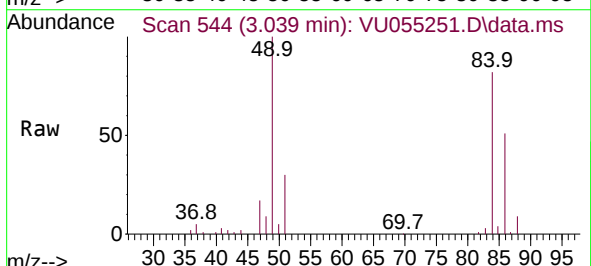
Tgt Ion: 84 Resp: 36549

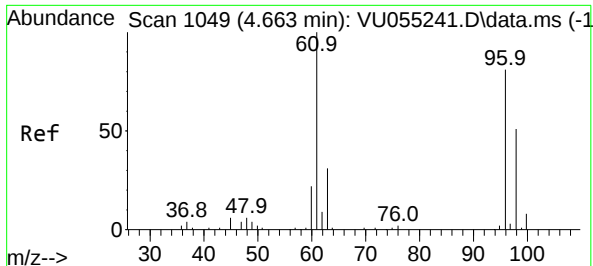
Ion Ratio Lower Upper

84 100

86 61.8 43.4 80.6

49 121.8 87.7 162.9





#22

cis-1,2-Dichloroethene

Concen: 4.237 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055251.D

Acq: 12 Sep 2023 16:27

Instrument :

MSVOA\_U

ClientSampleId :

BH4J2DL

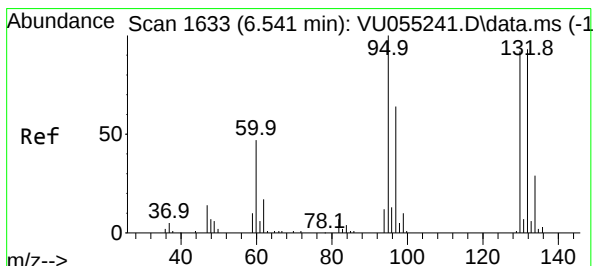
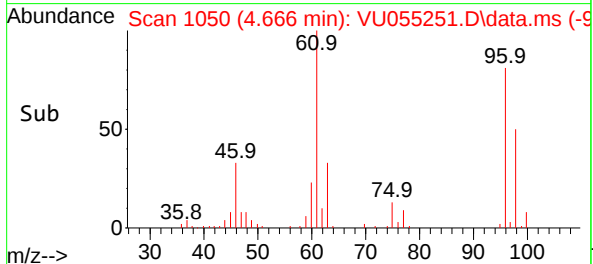
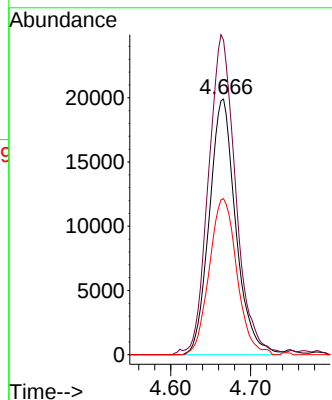
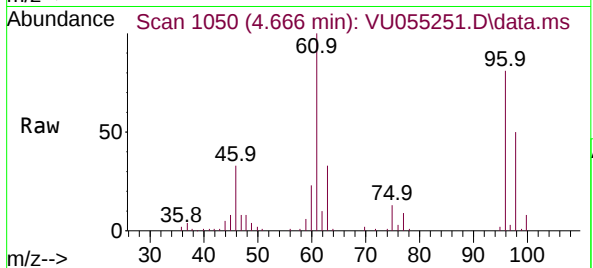
Tgt Ion: 96 Resp: 45811

Ion Ratio Lower Upper

96 100

61 123.0 97.2 180.4

98 61.1 46.1 85.7



#34

Trichloroethene

Concen: 4.530 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. 0.000 min

Lab File: VU055251.D

Acq: 12 Sep 2023 16:27

Tgt Ion: 95 Resp: 52910

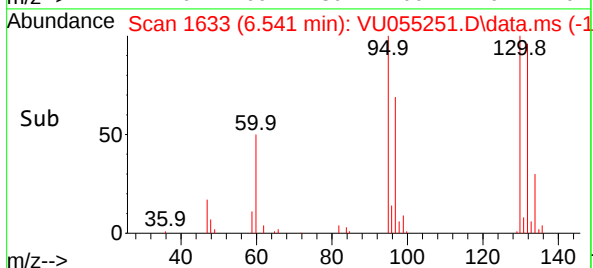
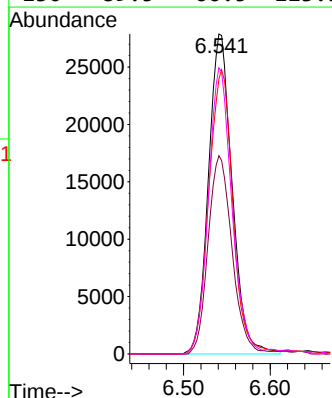
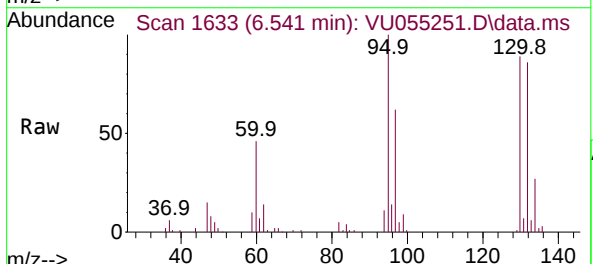
Ion Ratio Lower Upper

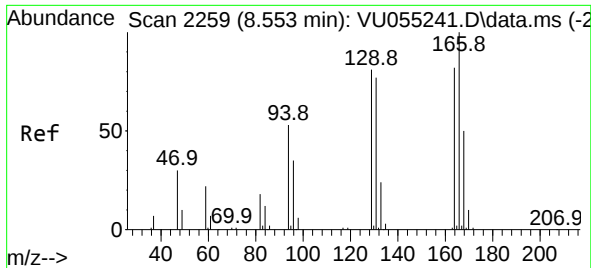
95 100

97 62.0 44.7 83.1

132 85.9 66.6 123.6

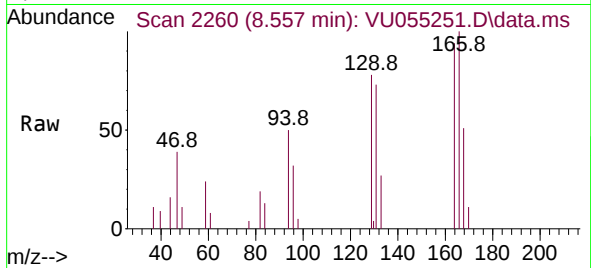
130 89.5 66.5 123.5





#47  
 Tetrachloroethene  
 Concen: 0.582 ug/L  
 RT: 8.557 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VU055251.D  
 Acq: 12 Sep 2023 16:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4J2DL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 4701  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 82.5  | 69.2  | 128.6 |
| 131      | 77.7  | 68.8  | 127.8 |
| 166      | 105.9 | 92.3  | 171.5 |

