

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090123\  
 Data File : VU055063.D  
 Acq On : 02 Sep 2023 00:45  
 Operator : MD/SY  
 Sample : 04230-15  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4B1

Quant Time: Sep 02 01:06:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 02 00:23:04 2023  
 Response via : Initial Calibration

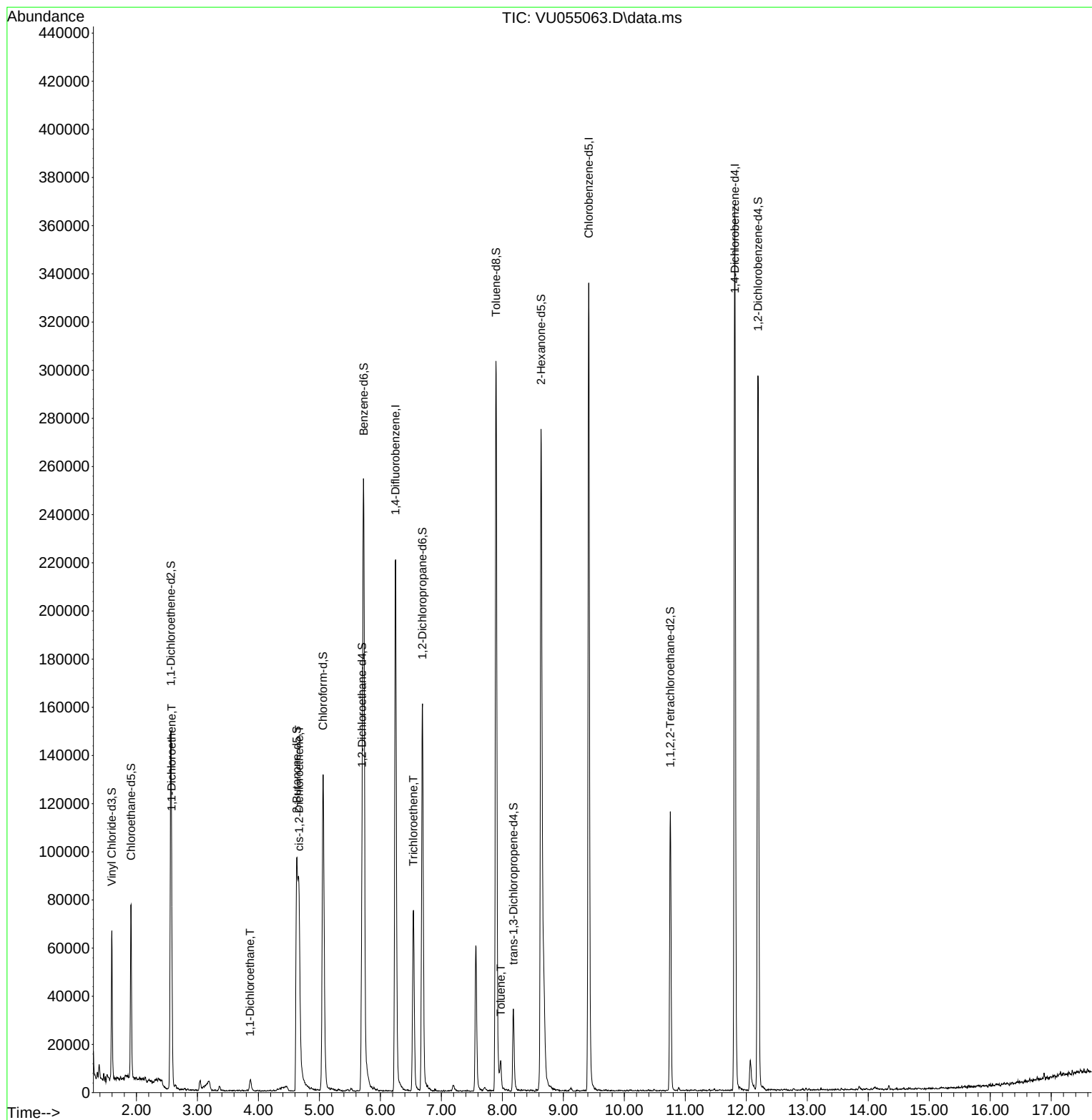
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 183099   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 182049   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152            | 91669    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 41449    | 4.830  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 96.600%  |          |
| 7) Chloroethane-d5            | 1.911  | 69             | 49147    | 4.948  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 99.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 24484    | 5.007  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 100.200% |          |
| 20) 2-Butanone-d5             | 4.628  | 46             | 155084   | 62.276 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 124.560% |          |
| 24) Chloroform-d              | 5.059  | 84             | 117285   | 5.150  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 103.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65             | 63437    | 5.568  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 111.400% |          |
| 32) Benzene-d6                | 5.724  | 84             | 236463   | 5.262  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 105.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67             | 76475    | 5.351  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 107.000% |          |
| 41) Toluene-d8                | 7.894  | 98             | 208932   | 5.047  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 101.000% |          |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79             | 19375    | 4.922  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 98.400%  |          |
| 46) 2-Hexanone-d5             | 8.634  | 63             | 86936    | 54.405 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 108.800% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 57795    | 5.750  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 115.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 75055    | 5.609  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 112.200% |          |
| Target Compounds              |        |                |          |        |          |          |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 12640    | 1.493  | ug/L     | 8        |
| 19) 1,1-Dichloroethane        | 3.862  | 63             | 5539     | 0.298  | ug/L     | 90       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96             | 31131    | 2.961  | ug/L     | 97       |
| 34) Trichloroethene           | 6.541  | 95             | 25476    | 2.366  | ug/L     | 96       |
| 42) Toluene                   | 7.972  | 91             | 7964     | 0.193  | ug/L     | 92       |

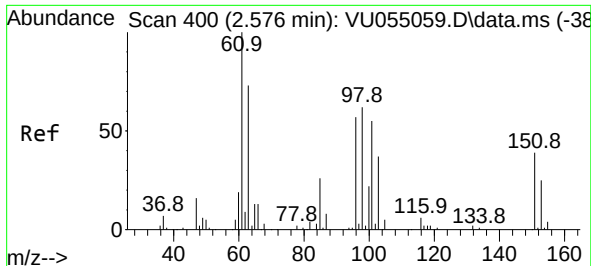
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.493 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU055063.D

Acq: 02 Sep 2023 00:45

Instrument :

MSVOA\_U

ClientSampleId :

BH4B1

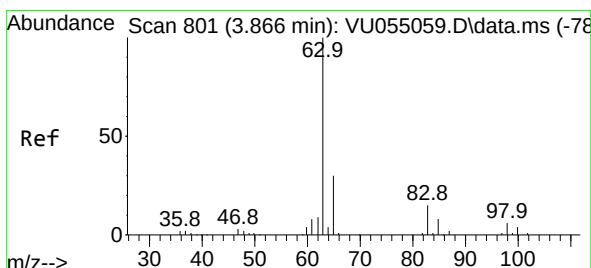
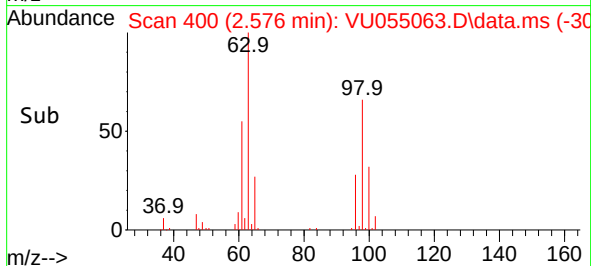
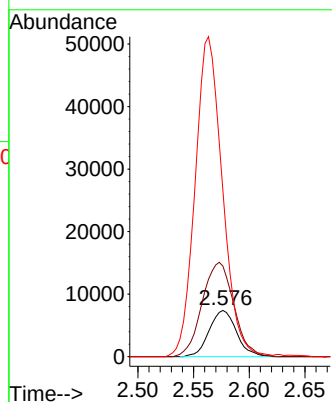
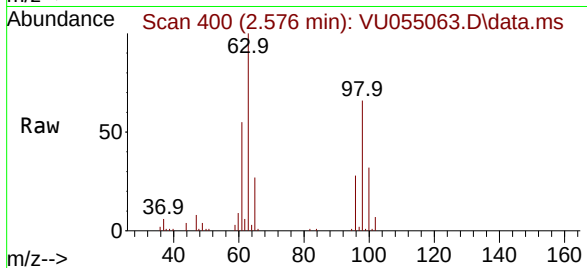
Tgt Ion: 96 Resp: 12640

Ion Ratio Lower Upper

96 100

61 195.6 120.8 224.4

63 358.6 94.5 175.5#



#19

1,1-Dichloroethane

Concen: 0.298 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.003 min

Lab File: VU055063.D

Acq: 02 Sep 2023 00:45

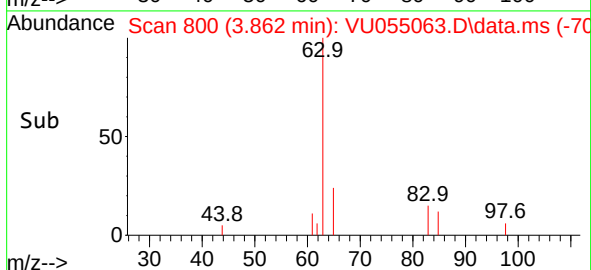
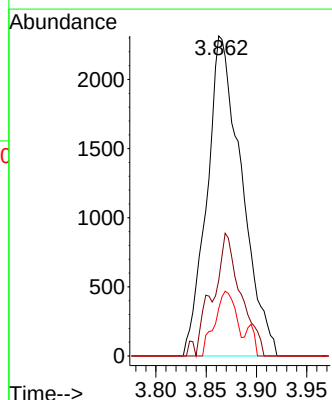
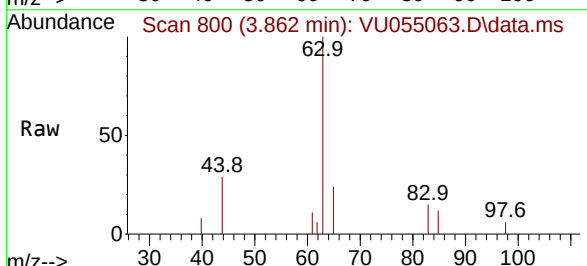
Tgt Ion: 63 Resp: 5539

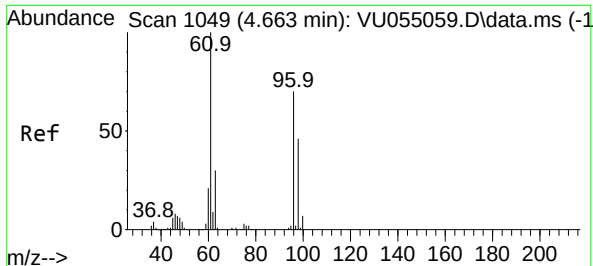
Ion Ratio Lower Upper

63 100

65 23.7 22.2 41.2

83 14.9 10.6 19.8

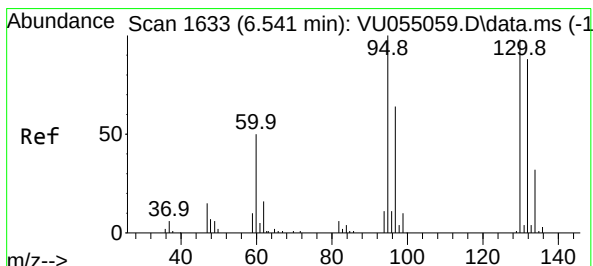
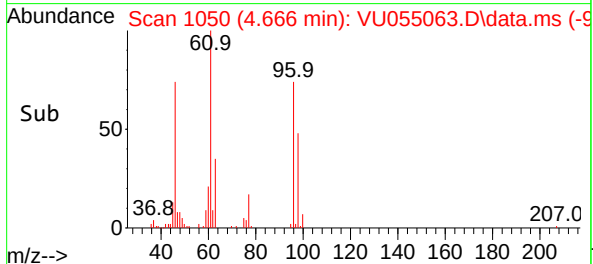
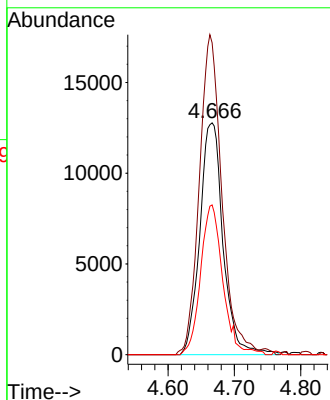
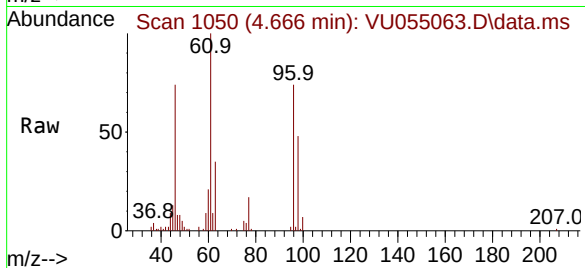




#22  
cis-1,2-Dichloroethene  
Concen: 2.961 ug/L  
RT: 4.666 min Scan# 1050  
Delta R.T. 0.003 min  
Lab File: VU055063.D  
Acq: 02 Sep 2023 00:45

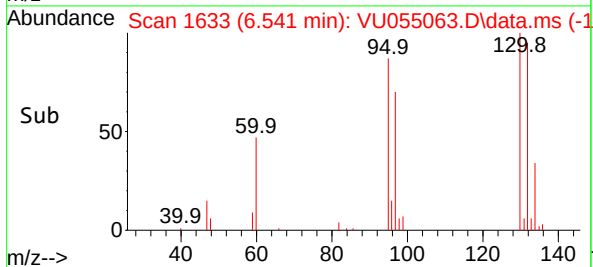
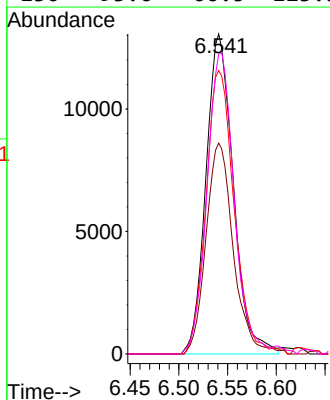
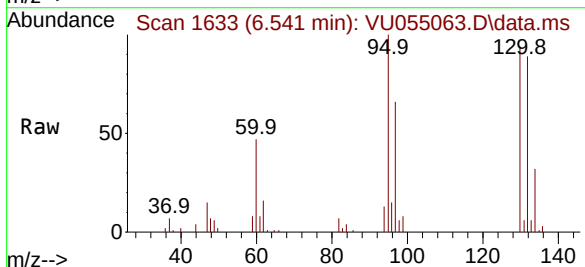
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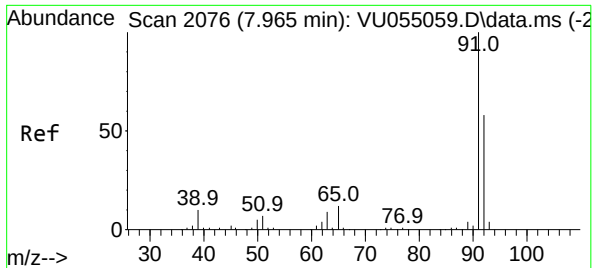
Tgt Ion: 96 Resp: 31131  
Ion Ratio Lower Upper  
96 100  
61 134.5 97.2 180.4  
98 64.6 46.1 85.7



#34  
Trichloroethene  
Concen: 2.366 ug/L  
RT: 6.541 min Scan# 1633  
Delta R.T. 0.000 min  
Lab File: VU055063.D  
Acq: 02 Sep 2023 00:45

Tgt Ion: 95 Resp: 25476  
Ion Ratio Lower Upper  
95 100  
97 65.9 44.7 83.1  
132 88.5 66.6 123.6  
130 93.6 66.5 123.5





#42  
 Toluene  
 Concen: 0.193 ug/L  
 RT: 7.972 min Scan# 20  
 Delta R.T. 0.007 min  
 Lab File: VU055063.D  
 Acq: 02 Sep 2023 00:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4B1

Tgt Ion: 91 Resp: 7964  
 Ion Ratio Lower Upper  
 91 100  
 92 53.7 41.9 77.9

