

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU083023\  
 Data File : VU055007.D  
 Acq On : 30 Aug 2023 19:46  
 Operator : MD/SY  
 Sample : 04230-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH495

Quant Time: Aug 31 02:39:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Aug 31 02:34:15 2023  
 Response via : Initial Calibration

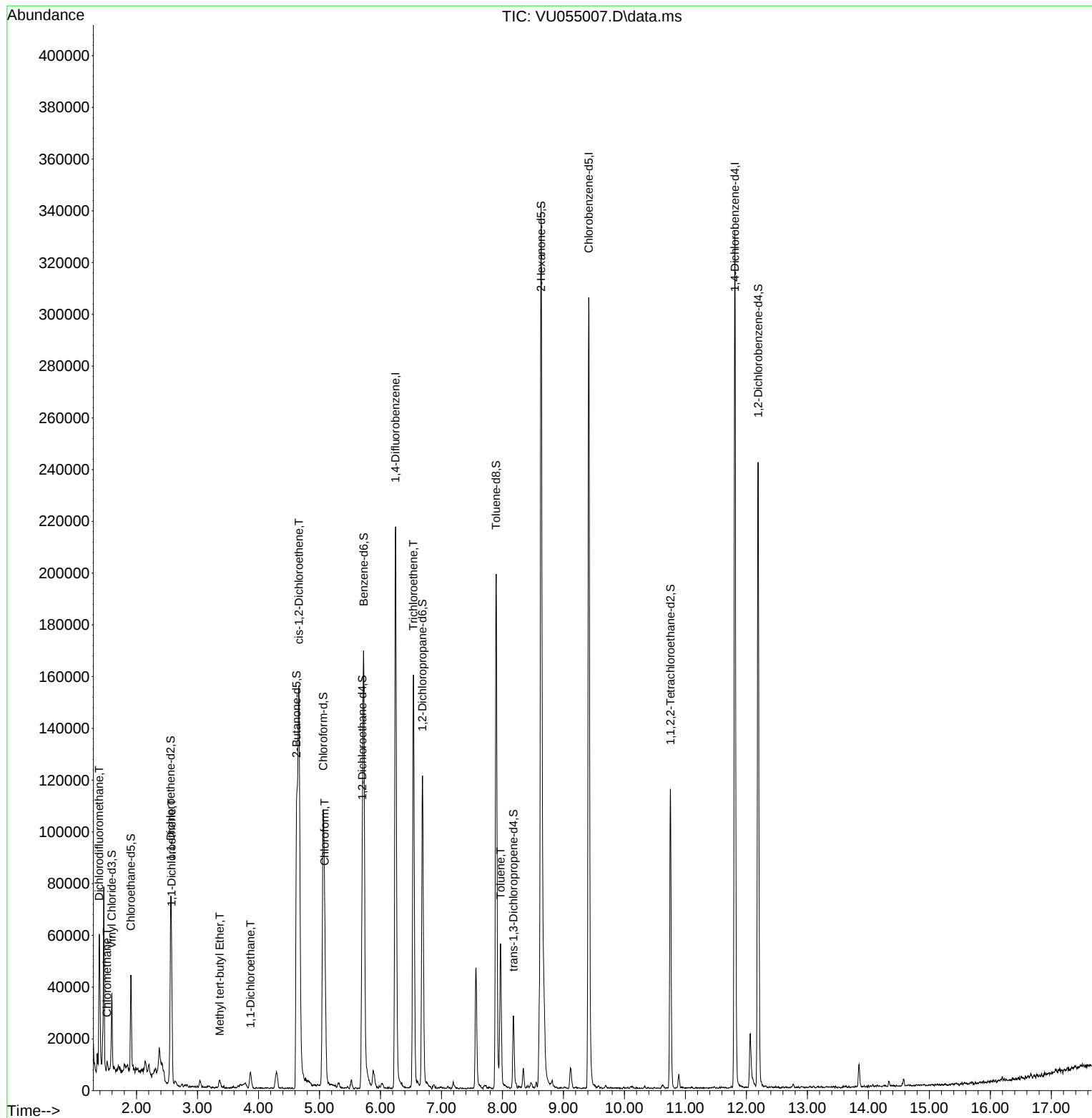
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 175271   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 166867   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152            | 84799    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 18565    | 3.356  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 67.200%  |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 25024    | 3.501  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 70.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65             | 12736    | 4.073  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 81.400%  |          |
| 20) 2-Butanone-d5             | 4.624  | 46             | 170251   | 57.015 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 114.040% |          |
| 24) Chloroform-d              | 5.062  | 84             | 87064    | 4.243  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65             | 50522    | 4.627  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 92.600%  |          |
| 32) Benzene-d6                | 5.724  | 84             | 150223   | 4.005  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 80.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67             | 57664    | 4.371  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 87.400%  |          |
| 41) Toluene-d8                | 7.898  | 98             | 134469   | 3.743  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 74.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79             | 15727    | 3.623  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 72.400%  |          |
| 46) 2-Hexanone-d5             | 8.634  | 63             | 111165   | 53.947 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 107.900% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84             | 55098    | 4.871  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 97.400%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152            | 61477    | 4.541  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 90.800%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 2) Dichlorodifluoromethane    | 1.387  | 85             | 1280     | 0.118  | ug/L     | 99       |
| 3) Chloromethane              | 1.518  | 50             | 2705     | 0.239  | ug/L     | 87       |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 8982     | 1.135  | ug/L #   | 55       |
| 17) Methyl tert-butyl Ether   | 3.364  | 73             | 2752     | 0.119  | ug/L #   | 88       |
| 19) 1,1-Dichloroethane        | 3.869  | 63             | 7356     | 0.405  | ug/L     | 95       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96             | 65996    | 6.401  | ug/L     | 98       |
| 25) Chloroform                | 5.087  | 83             | 44995    | 2.261  | ug/L     | 96       |
| 34) Trichloroethene           | 6.541  | 95             | 55103    | 5.051  | ug/L     | 97       |
| 42) Toluene                   | 7.968  | 91             | 38516    | 0.882  | ug/L     | 94       |
| -----                         |        |                |          |        |          |          |

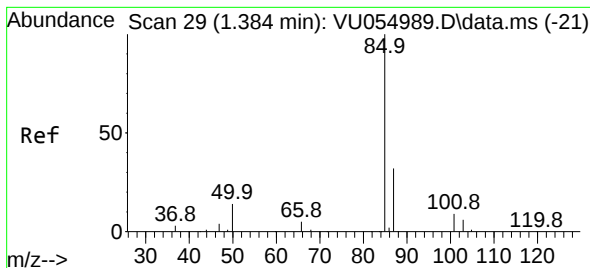
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.118 ug/L

RT: 1.387 min Scan# 30

Delta R.T. 0.003 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

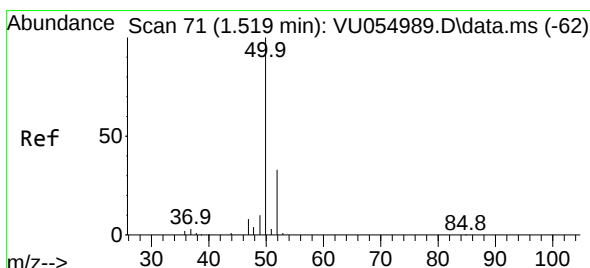
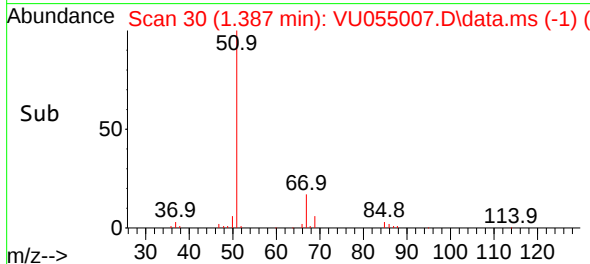
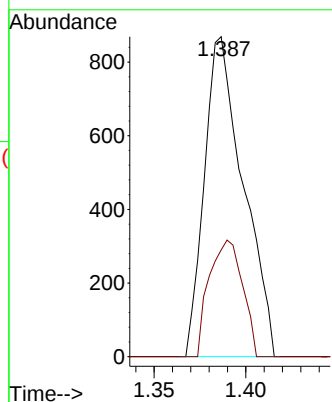
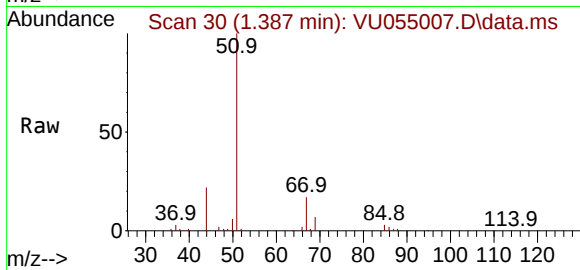
BH495

Tgt Ion: 85 Resp: 1280

Ion Ratio Lower Upper

85 100

87 31.2 25.4 38.0



#3

Chloromethane

Concen: 0.239 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU055007.D

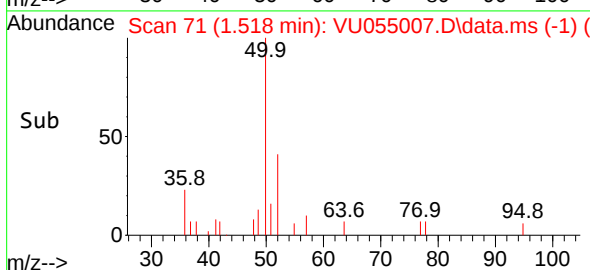
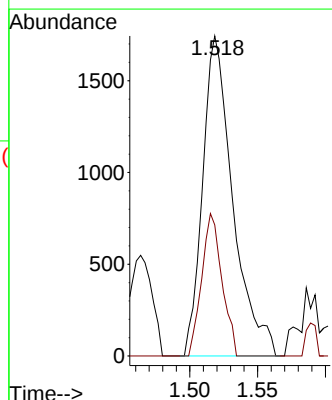
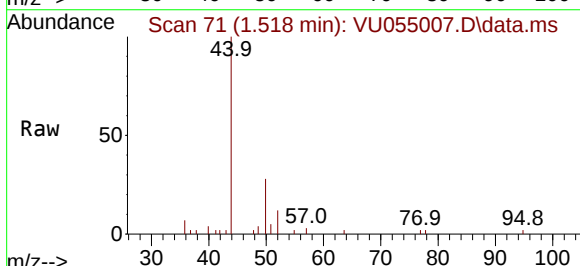
Acq: 30 Aug 2023 19:46

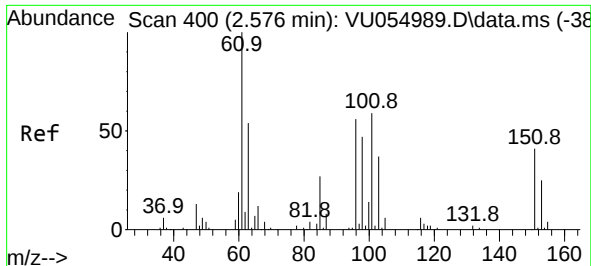
Tgt Ion: 50 Resp: 2705

Ion Ratio Lower Upper

50 100

52 40.9 23.4 43.6





#12

1,1-Dichloroethene

Concen: 1.135 ug/L

RT: 2.576 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

BH495

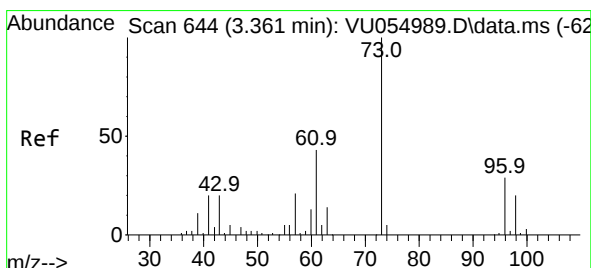
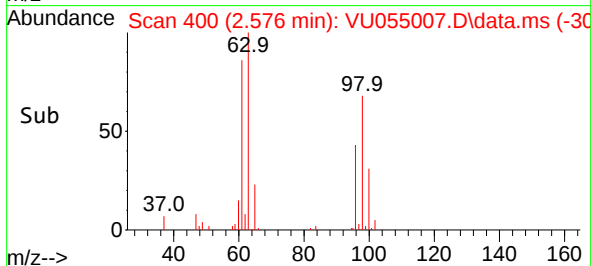
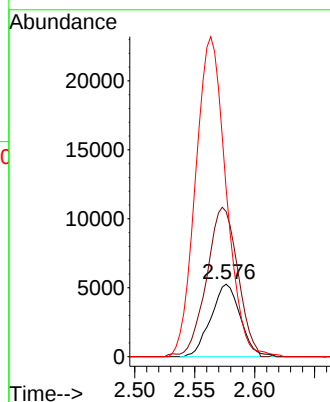
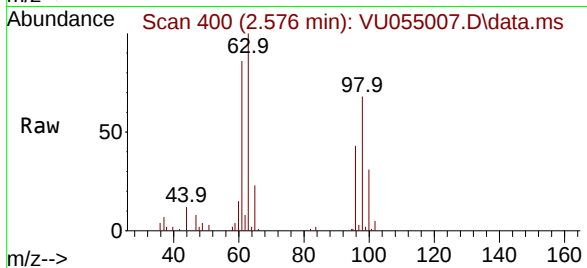
Tgt Ion: 96 Resp: 8982

Ion Ratio Lower Upper

96 100

61 200.2 132.4 245.8

63 232.1 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.119 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

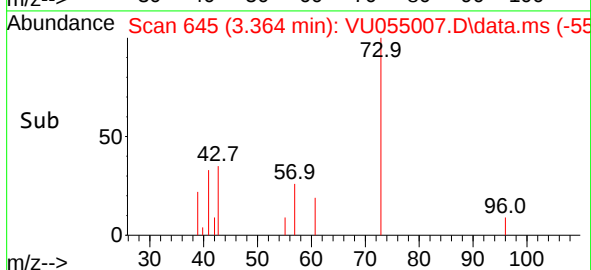
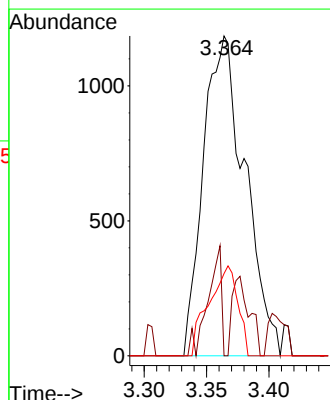
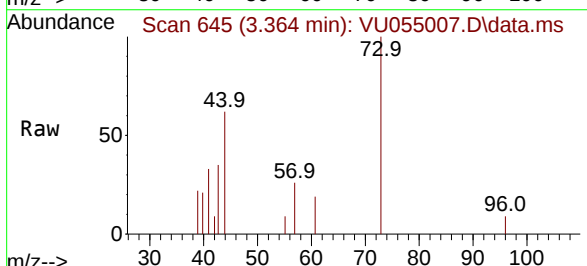
Tgt Ion: 73 Resp: 2752

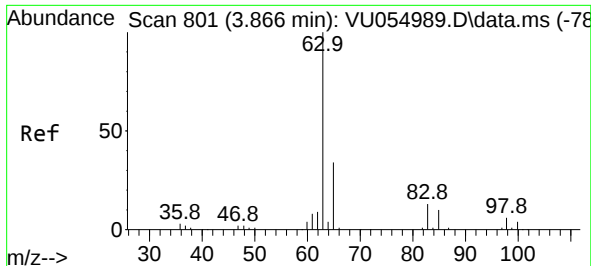
Ion Ratio Lower Upper

73 100

43 11.0 16.2 24.2#

57 19.7 17.4 26.0

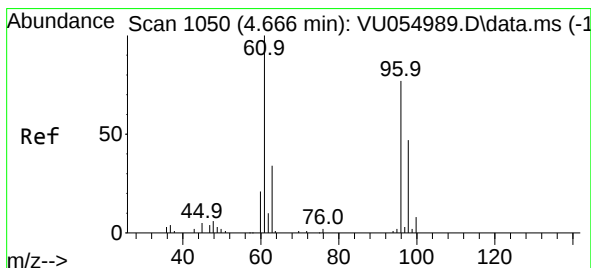
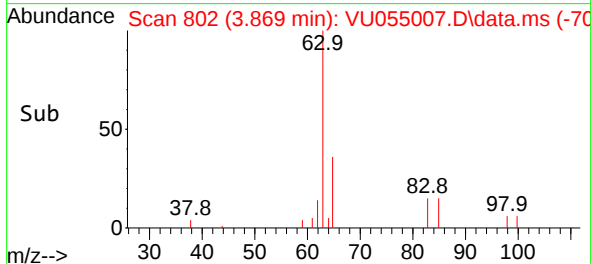
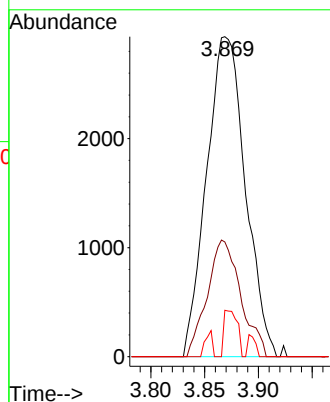
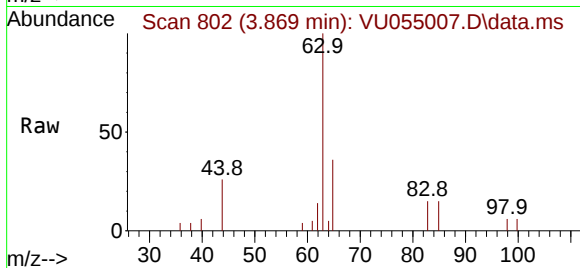




#19  
1,1-Dichloroethane  
Concen: 0.405 ug/L  
RT: 3.869 min Scan# 801  
Delta R.T. 0.003 min  
Lab File: VU055007.D  
Acq: 30 Aug 2023 19:46

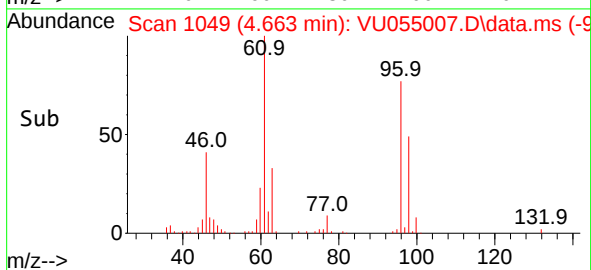
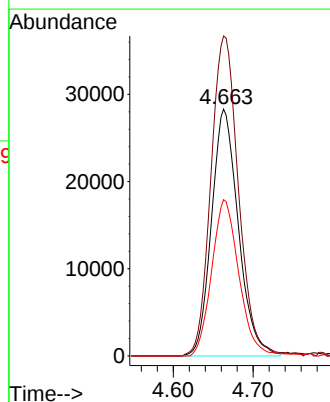
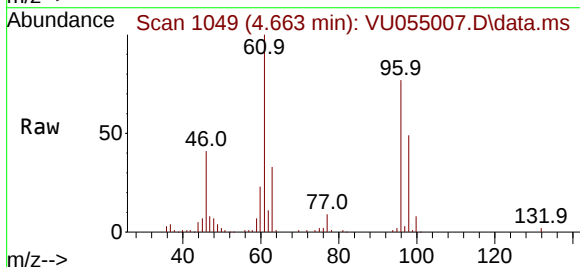
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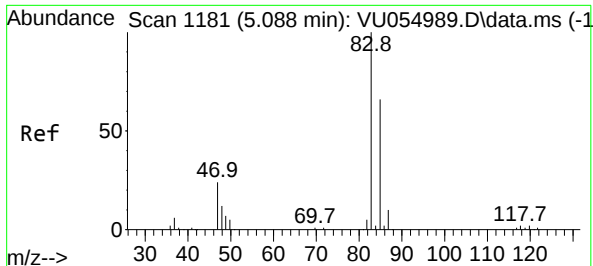
Tgt Ion: 63 Resp: 7356  
Ion Ratio Lower Upper  
63 100  
65 35.9 22.5 41.7  
83 14.5 9.5 17.7



#22  
cis-1,2-Dichloroethene  
Concen: 6.401 ug/L  
RT: 4.663 min Scan# 1049  
Delta R.T. -0.003 min  
Lab File: VU055007.D  
Acq: 30 Aug 2023 19:46

Tgt Ion: 96 Resp: 65996  
Ion Ratio Lower Upper  
96 100  
61 129.6 88.4 164.2  
98 63.3 44.0 81.6





#25

Chloroform

Concen: 2.261 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

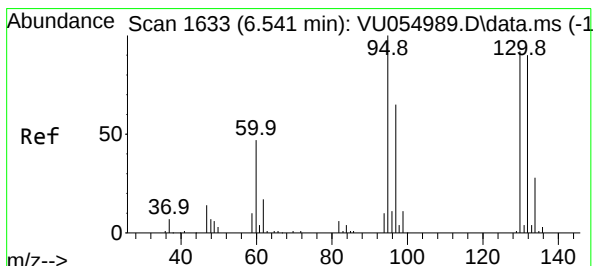
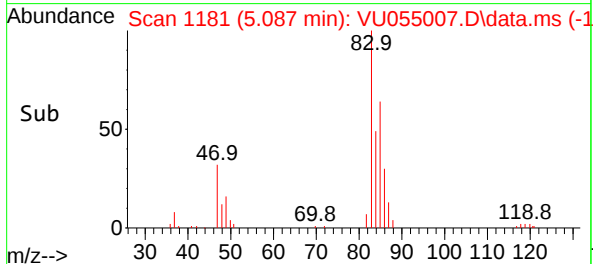
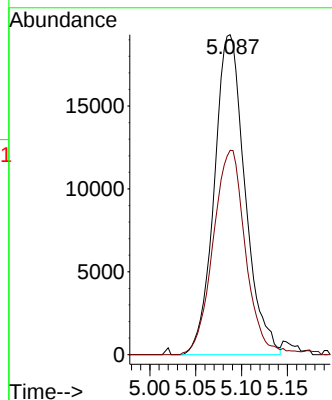
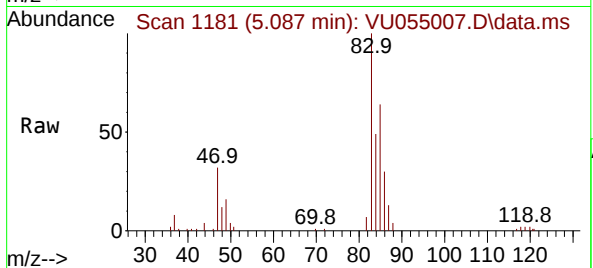
BH495

Tgt Ion: 83 Resp: 44995

Ion Ratio Lower Upper

83 100

85 63.9 46.7 86.7



#34

Trichloroethene

Concen: 5.051 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.000 min

Lab File: VU055007.D

Acq: 30 Aug 2023 19:46

Tgt Ion: 95 Resp: 55103

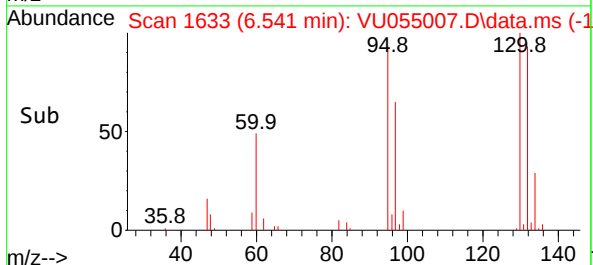
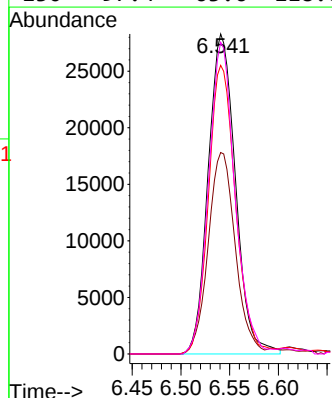
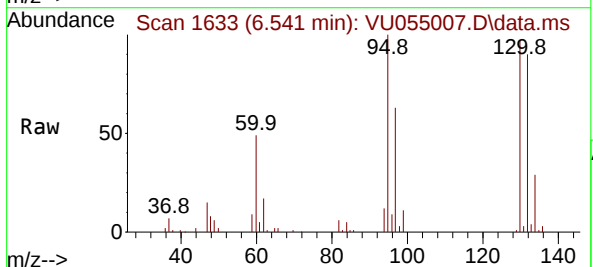
Ion Ratio Lower Upper

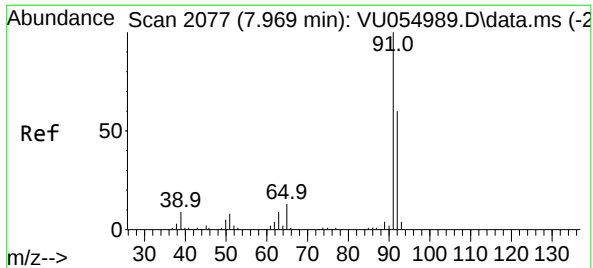
95 100

97 63.0 44.1 81.9

132 90.2 63.6 118.2

130 97.4 63.6 118.0





#42  
Toluene  
Concen: 0.882 ug/L  
RT: 7.968 min Scan# 20  
Delta R.T. -0.000 min  
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MSVOA\_U  
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Tgt Ion: 91 Resp: 38516  
Ion Ratio Lower Upper  
91 100  
92 63.1 41.2 76.4

