

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090623\  
 Data File : VU055141.D  
 Acq On : 06 Sep 2023 15:32  
 Operator : MD/SY  
 Sample : 04267-09  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 06 20:41:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 06 05:03:37 2023  
 Response via : Initial Calibration

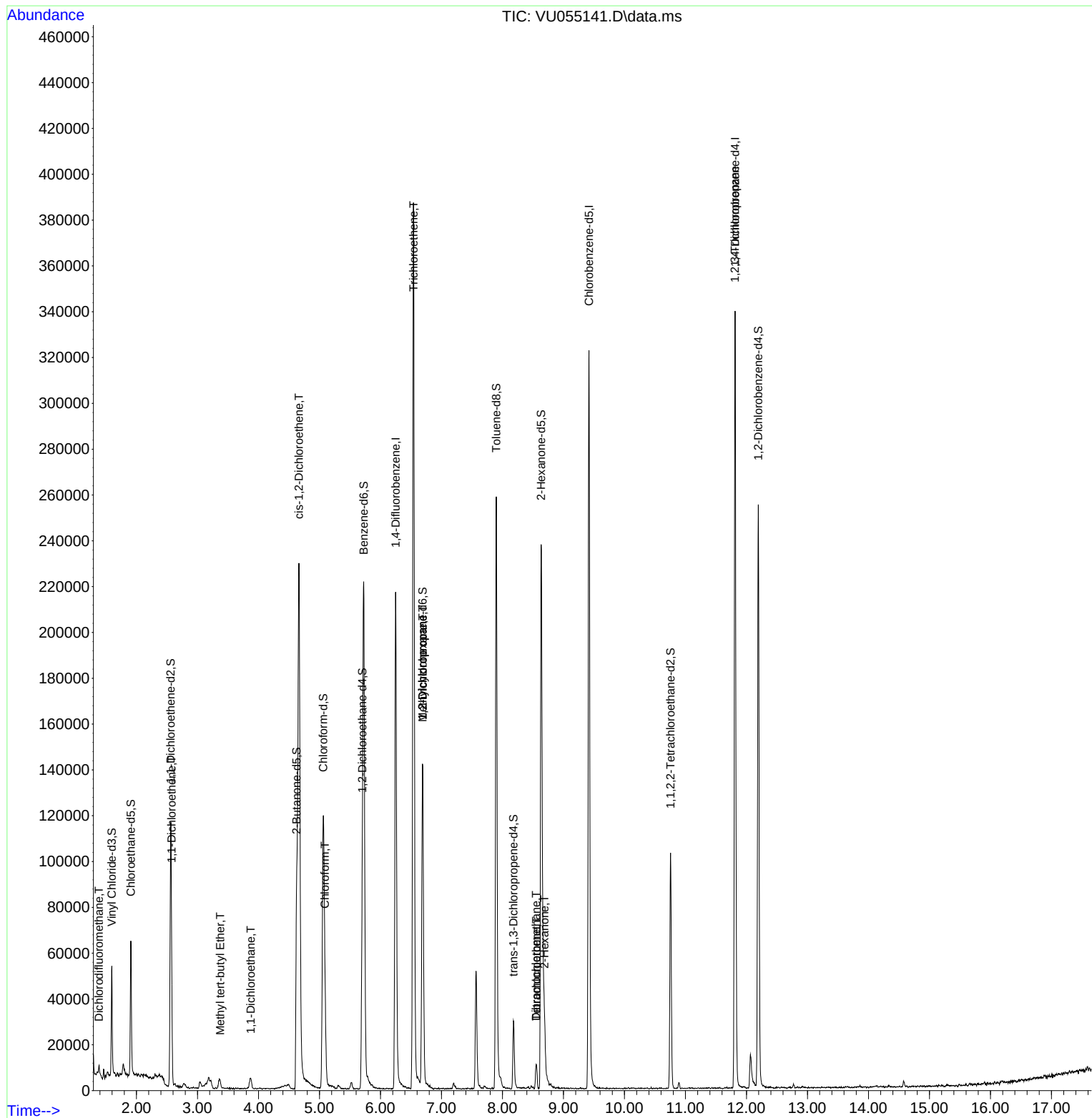
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 168493   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.418  | 117   | 174459   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.814 | 152   | 87551    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 32497    | 4.115    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.400%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 40630    | 4.445    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 20534    | 4.564    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 91.200%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 128727   | 56.173   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 112.340% |
| 24) Chloroform-d              | 5.062  | 84    | 104835   | 5.003    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65    | 54911    | 5.238    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.800% |
| 32) Benzene-d6                | 5.727  | 84    | 200043   | 4.645    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 68094    | 4.972    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.400%  |
| 41) Toluene-d8                | 7.898  | 98    | 173368   | 4.370    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.400%  |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79    | 17059    | 4.523    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.400%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 75294    | 49.169   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84    | 50834    | 5.277    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 64072    | 5.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 1490     | 0.152    | ug/L # | 87       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 6860     | 0.881    | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 3.370  | 73    | 3818     | 0.187    | ug/L # | 64       |
| 19) 1,1-Dichloroethane        | 3.872  | 63    | 6455     | 0.378    | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 110662   | 11.439   | ug/L   | 95       |
| 25) Chloroform                | 5.087  | 83    | 31848    | 1.790    | ug/L   | 98       |
| 34) Trichloroethene           | 6.541  | 95    | 130285   | 12.626   | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.692  | 83    | 15285    | 1.056    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.689  | 63    | 7988     | 0.790    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.557  | 164   | 2467     | 0.346    | ug/L   | 88       |
| 48) 2-Hexanone                | 8.689  | 43    | 16928    | 3.748    | ug/L # | 86       |
| 49) Dibromochloromethane      | 8.550  | 129   | 2579     | 0.347    | ug/L # | 9        |
| 61) 1,2,3-Trichloropropane    | 11.811 | 75    | 12514    | 2.154    | ug/L # | 67       |

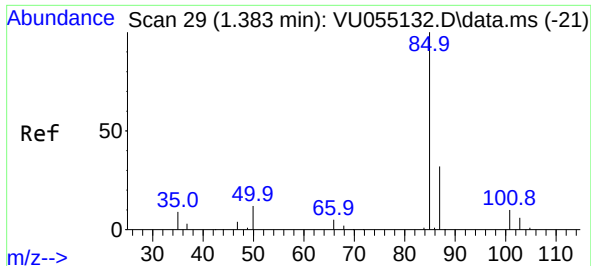
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090623\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 06 05:03:37 2023  
Response via : Initial Calibration

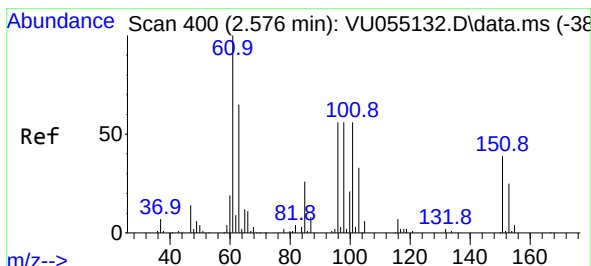
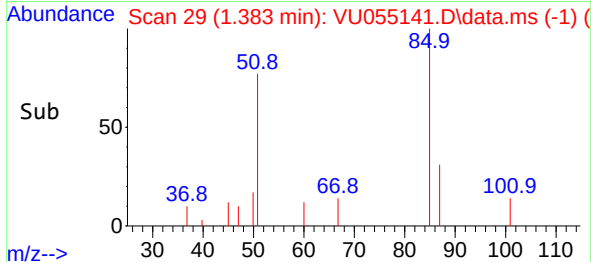
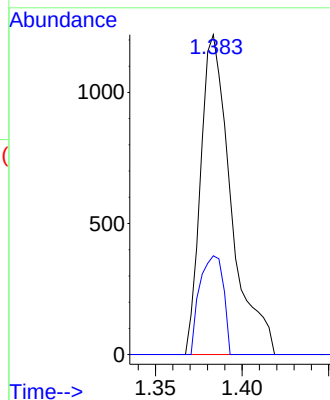
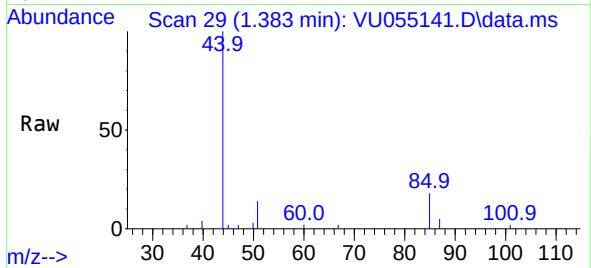




#2  
Dichlorodifluoromethane  
Concen: 0.152 ug/L  
RT: 1.383 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

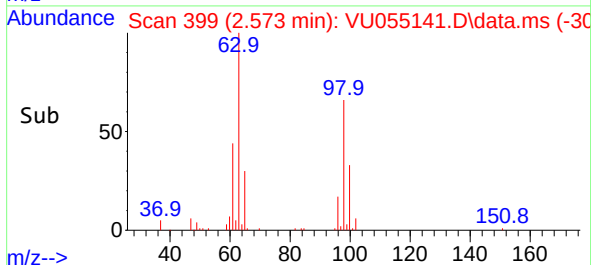
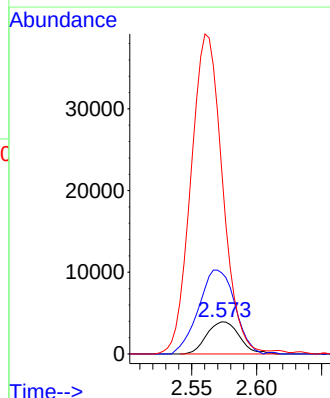
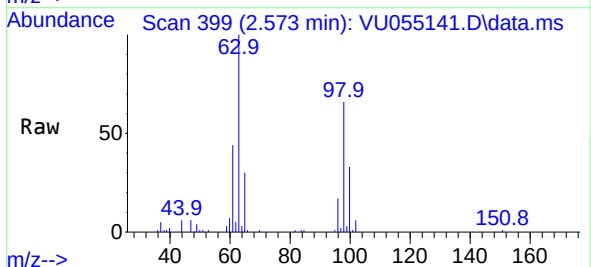
Instrument :  
MSVOA\_U  
ClientSampleId :

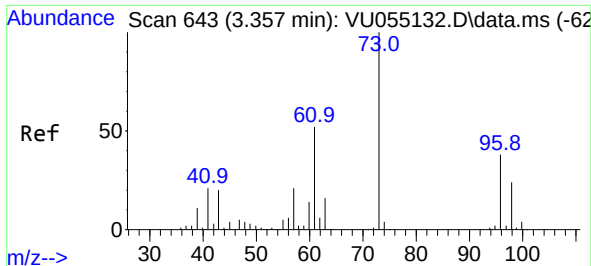
Tgt Ion: 85 Resp: 1490  
Ion Ratio Lower Upper  
85 100  
87 24.0 25.1 37.7#



#12  
1,1-Dichloroethene  
Concen: 0.881 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

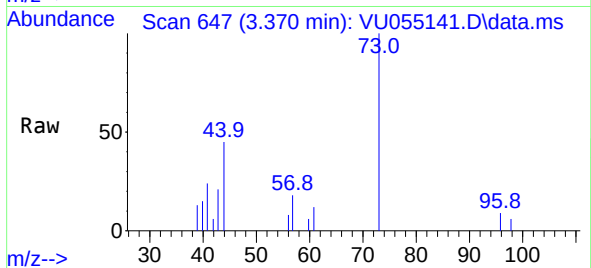
Tgt Ion: 96 Resp: 6860  
Ion Ratio Lower Upper  
96 100  
61 252.8 120.8 224.4#  
63 576.3 94.5 175.5#



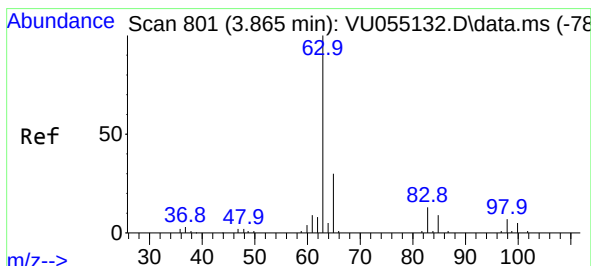
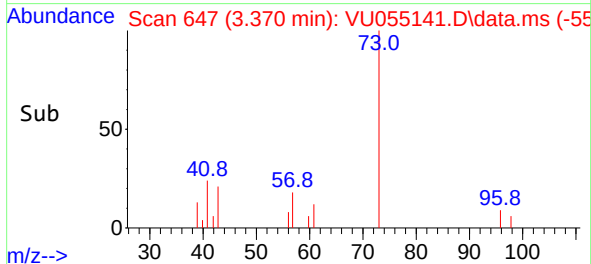
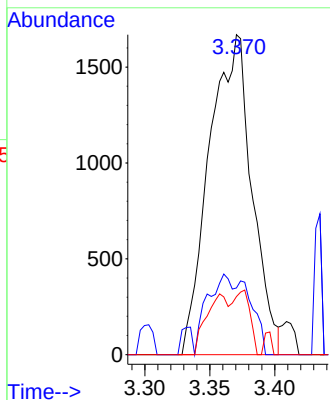


#17  
Methyl tert-butyl Ether  
Concen: 0.187 ug/L  
RT: 3.370 min Scan# 643  
Delta R.T. 0.007 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

Instrument :  
MSVOA\_U  
ClientSampleId :

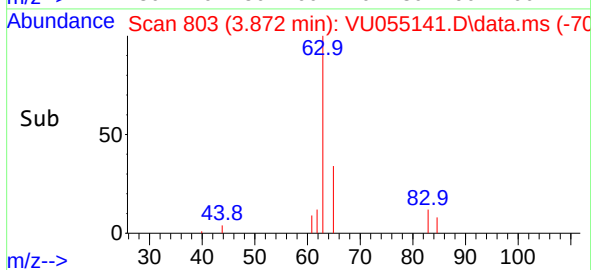
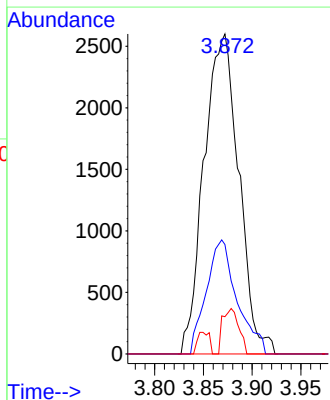
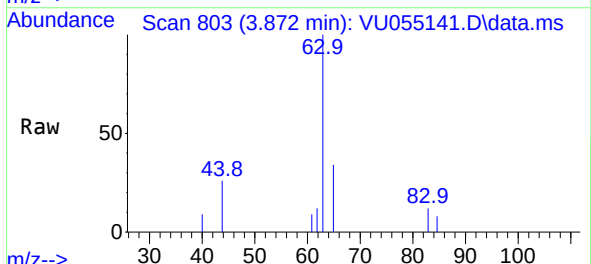


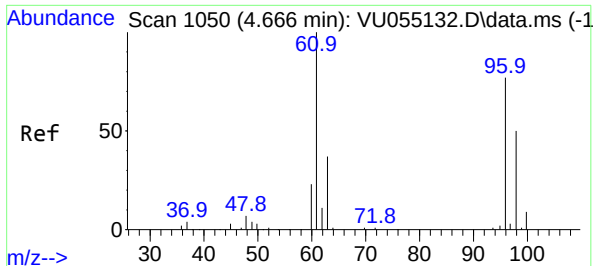
Tgt Ion: 73 Resp: 3818  
Ion Ratio Lower Upper  
73 100  
43 0.0 16.2 24.2#  
57 8.2 17.4 26.2#



#19  
1,1-Dichloroethane  
Concen: 0.378 ug/L  
RT: 3.872 min Scan# 803  
Delta R.T. 0.007 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

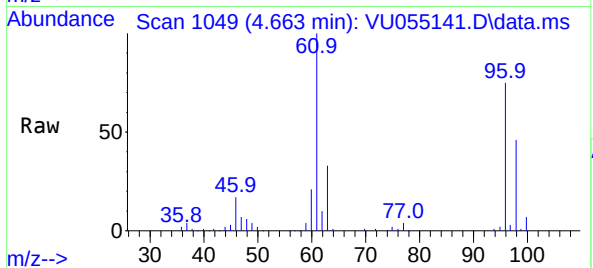
Tgt Ion: 63 Resp: 6455  
Ion Ratio Lower Upper  
63 100  
65 34.2 22.2 41.2  
83 11.7 10.6 19.8



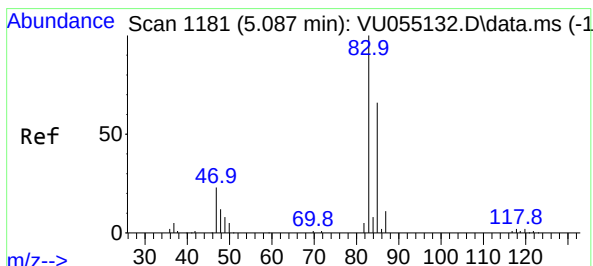
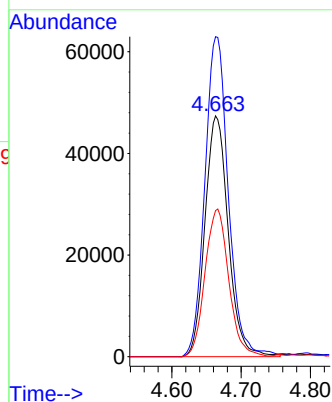
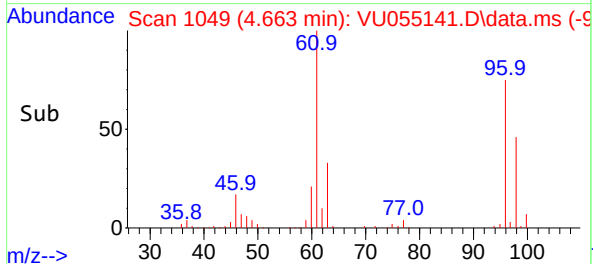


#22  
cis-1,2-Dichloroethene  
Concen: 11.439 ug/L  
RT: 4.663 min Scan# 110662  
Delta R.T. 0.000 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

Instrument :  
MSVOA\_U  
ClientSampleId :

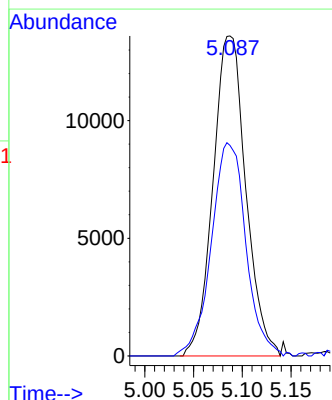
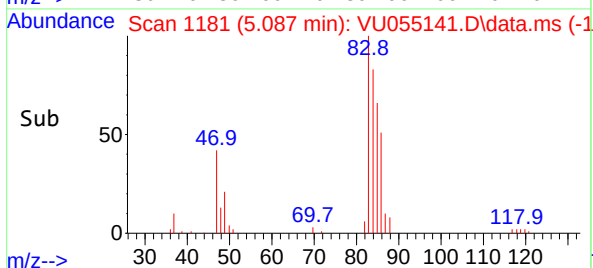
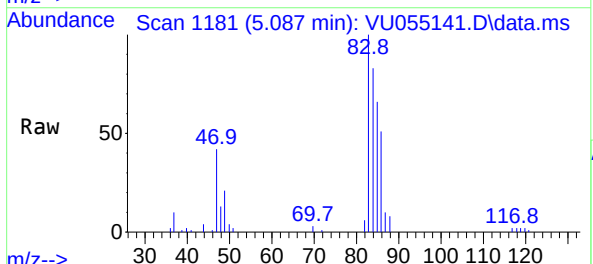


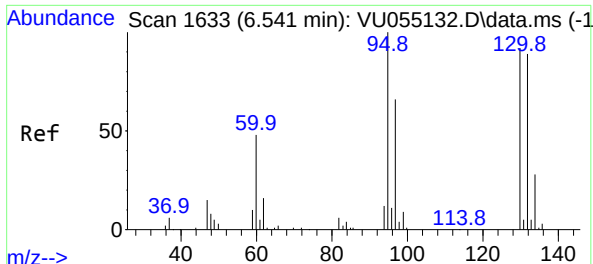
Tgt Ion: 96 Resp: 110662  
Ion Ratio Lower Upper  
96 100  
61 132.9 97.2 180.4  
98 60.7 46.1 85.7



#25  
Chloroform  
Concen: 1.790 ug/L  
RT: 5.087 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

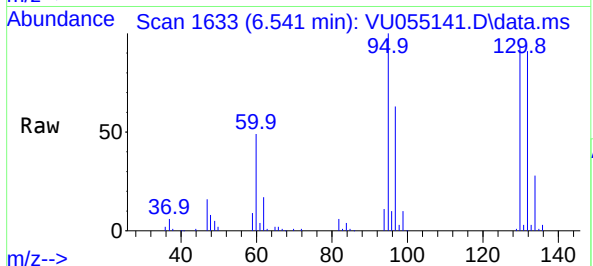
Tgt Ion: 83 Resp: 31848  
Ion Ratio Lower Upper  
83 100  
85 65.8 47.2 87.6



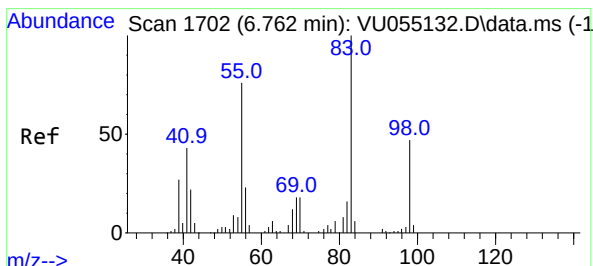
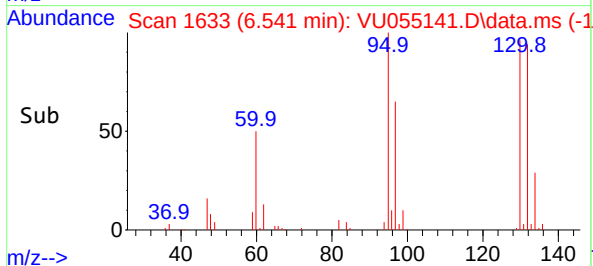
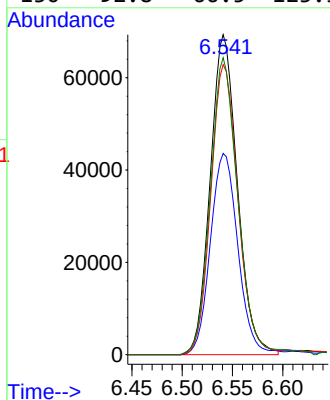


#34  
Trichloroethene  
Concen: 12.626 ug/L  
RT: 6.541 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

Instrument :  
MSVOA\_U  
ClientSampleId :

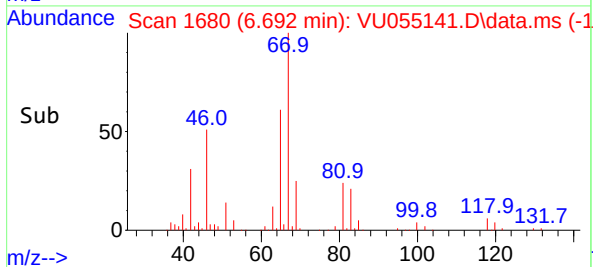
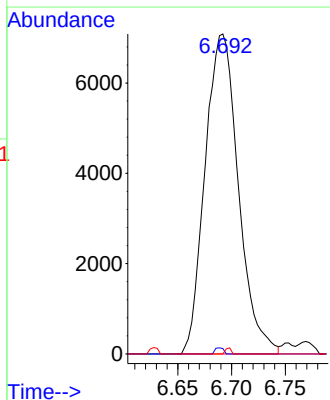
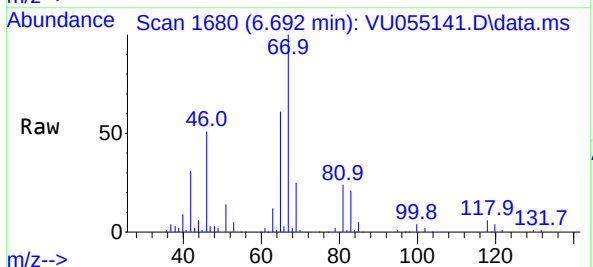


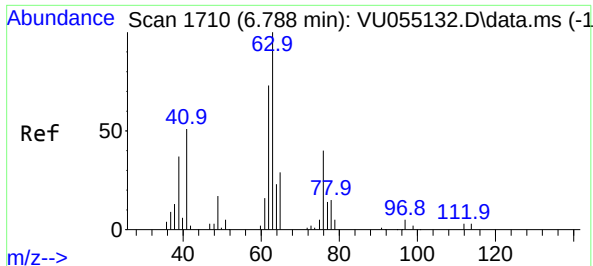
Tgt Ion: 95 Resp: 130285  
Ion Ratio Lower Upper  
95 100  
97 62.9 44.7 83.1  
132 90.6 66.6 123.6  
130 92.8 66.5 123.5



#35  
Methylcyclohexane  
Concen: 1.056 ug/L  
RT: 6.692 min Scan# 1680  
Delta R.T. -0.067 min  
Lab File: VU055141.D  
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Tgt Ion: 83 Resp: 15285  
Ion Ratio Lower Upper  
83 100  
55 0.5 60.4 90.6#  
98 0.0 35.3 52.9#

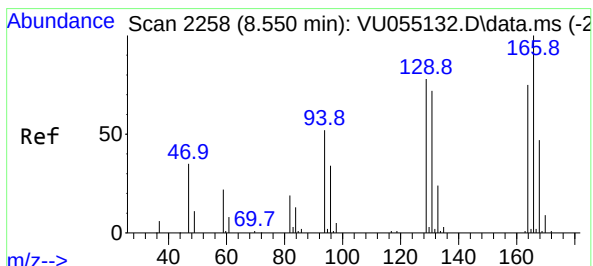
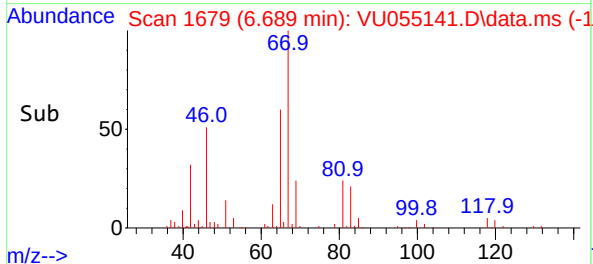
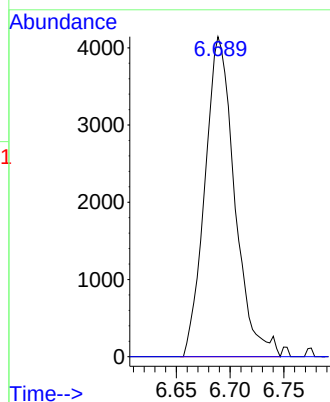
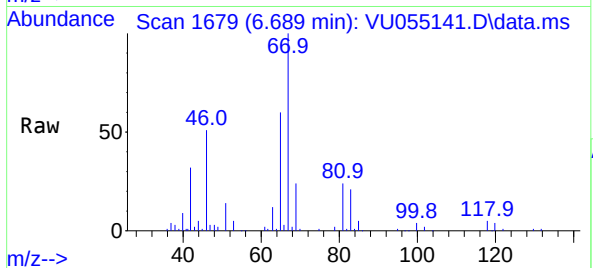




#37  
1,2-Dichloropropane  
Concen: 0.790 ug/L  
RT: 6.689 min Scan# 11  
Delta R.T. -0.099 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

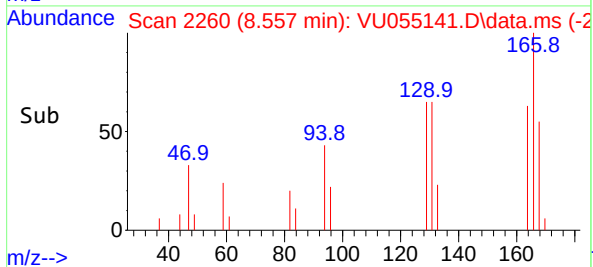
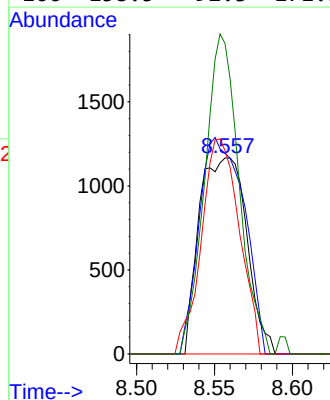
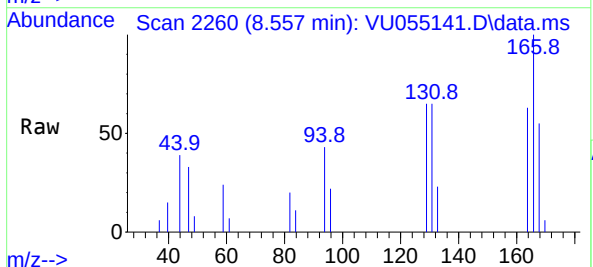
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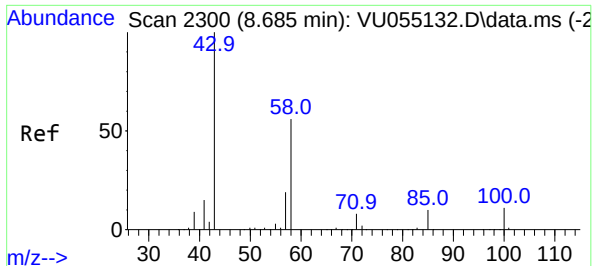
Tgt Ion: 63 Resp: 7988  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#



#47  
Tetrachloroethene  
Concen: 0.346 ug/L  
RT: 8.557 min Scan# 2260  
Delta R.T. 0.003 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

Tgt Ion:164 Resp: 2467  
Ion Ratio Lower Upper  
164 100  
129 102.3 69.2 128.6  
131 103.8 68.8 127.8  
166 158.5 92.3 171.5





#48

2-Hexanone

Concen: 3.748 ug/L

RT: 8.689 min Scan# 21

Delta R.T. 0.007 min

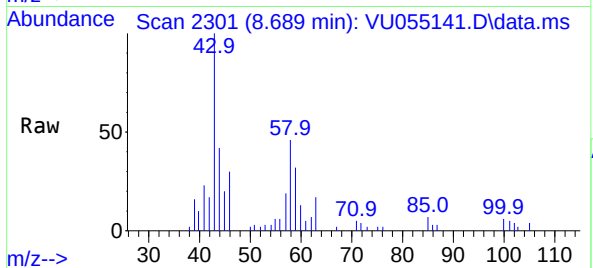
Lab File: VU055141.D

Acq: 06 Sep 2023 15:32

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 43 Resp: 16928

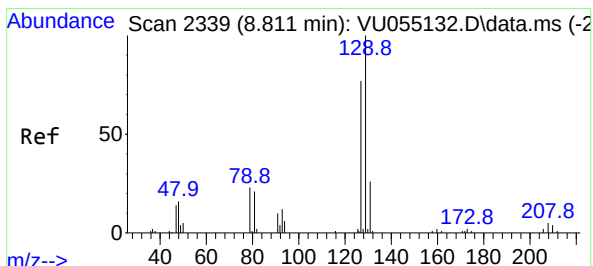
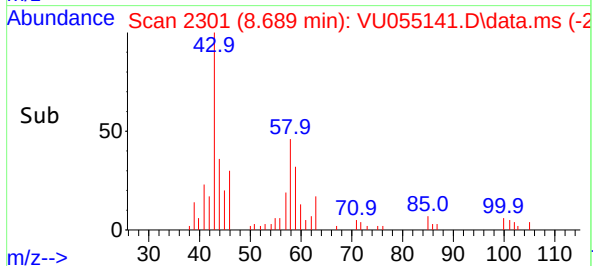
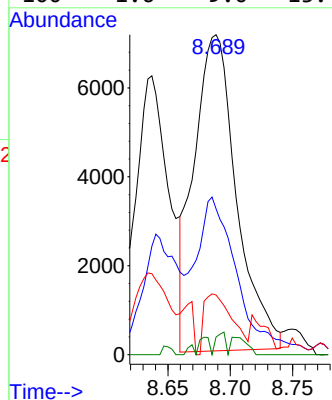
Ion Ratio Lower Upper

43 100

58 47.0 44.0 66.0

57 12.9 16.2 24.2#

100 1.6 9.0 13.4#



#49

Dibromochloromethane

Concen: 0.347 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.257 min

Lab File: VU055141.D

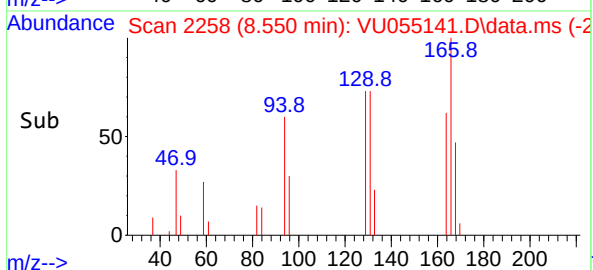
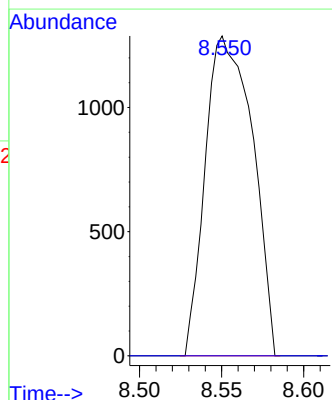
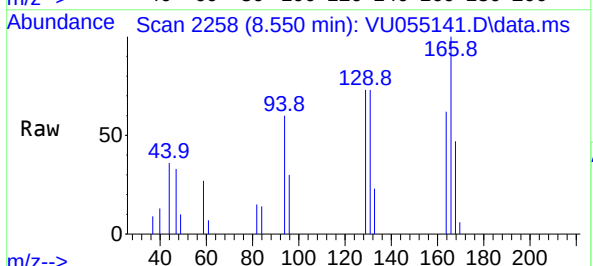
Acq: 06 Sep 2023 15:32

Tgt Ion: 129 Resp: 2579

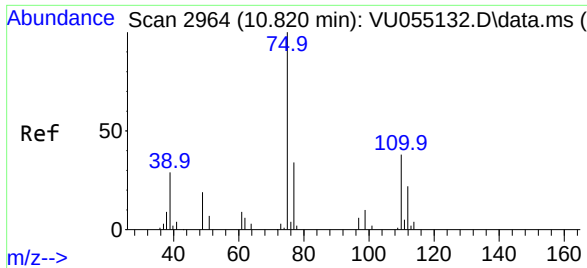
Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#

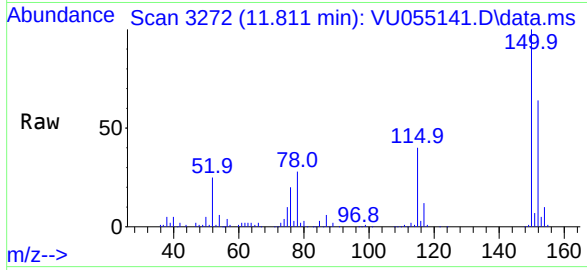






#61  
1,2,3-Trichloropropane  
Concen: 2.154 ug/L  
RT: 11.811 min Scan# 31  
Delta R.T. 0.991 min  
Lab File: VU055141.D  
Acq: 06 Sep 2023 15:32

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 12514  
Ion Ratio Lower Upper  
75 100  
110 1.4 28.2 42.2#  
77 36.0 26.2 39.4

