

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121324\  
 Data File : VU062305.D  
 Acq On : 13 Dec 2024 12:07  
 Operator : MD/SY  
 Sample : P5228-09  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 14 03:47:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 14 03:45:56 2024  
 Response via : Initial Calibration

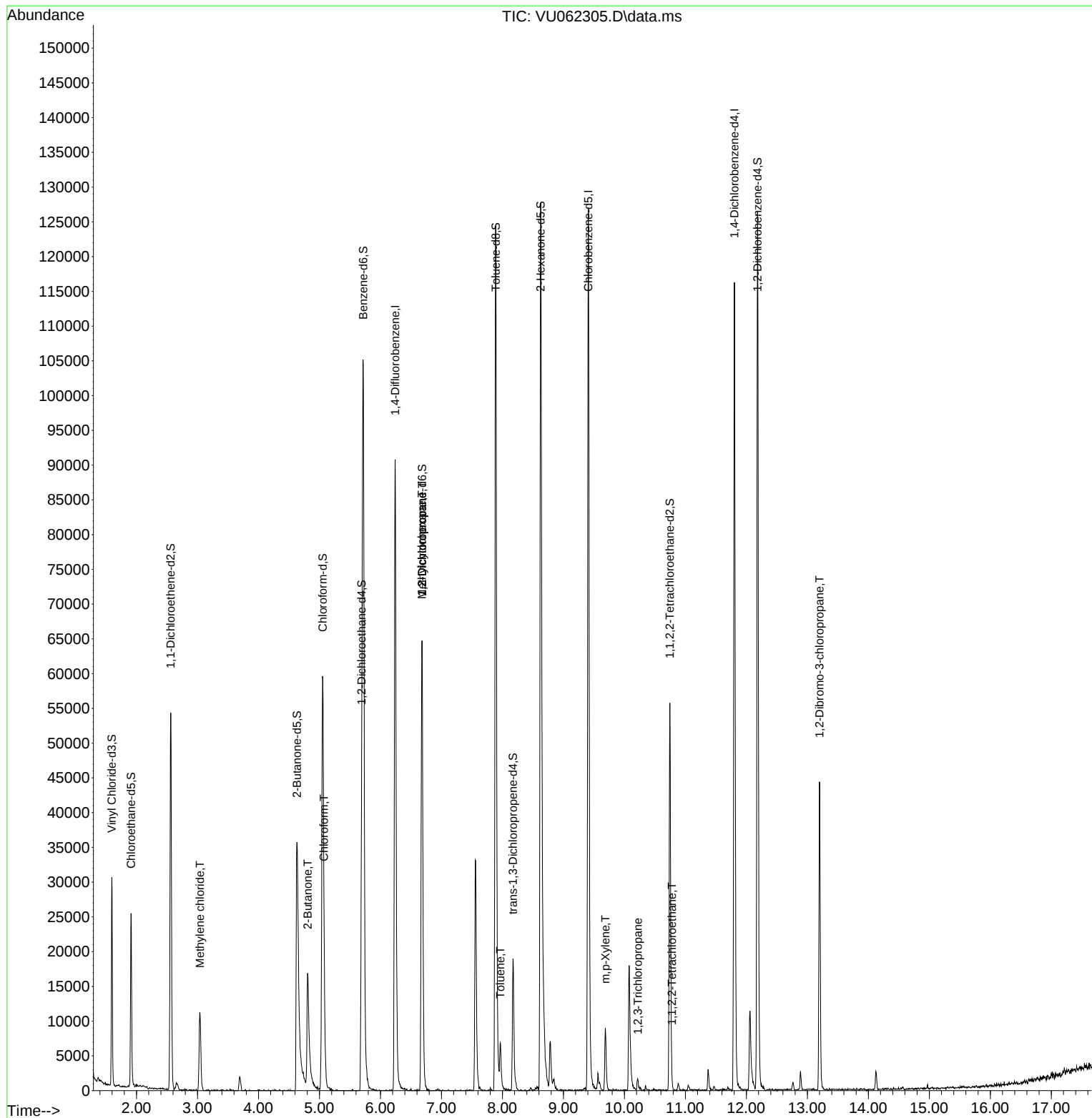
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 78337    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 75336    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 33350    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 21028    | 3.980    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.600%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 18744    | 4.987    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 10590    | 4.213    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.200%  |
| 20) 2-Butanone-d5             | 4.631  | 46    | 63205    | 62.415   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 124.840% |
| 24) Chloroform-d              | 5.052  | 84    | 58012    | 5.073    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.400% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 30840    | 5.484    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 109.600% |
| 32) Benzene-d6                | 5.718  | 84    | 102603   | 4.729    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 31454    | 5.066    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.400% |
| 41) Toluene-d8                | 7.891  | 98    | 90824    | 4.431    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 12984    | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 47756    | 57.927   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 115.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 26244    | 5.433    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 108.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 35932    | 5.847    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 117.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 16) Methylene chloride        | 3.039  | 84    | 6585     | 1.186    | ug/L   | 88       |
| 21) 2-Butanone                | 4.808  | 43    | 25444    | 25.411   | ug/L # | 45       |
| 25) Chloroform                | 5.074  | 83    | 5986     | 0.533    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.679  | 83    | 8218     | 0.838    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 3580     | 0.630    | ug/L # | 87       |
| 42) Toluene                   | 7.965  | 91    | 5716     | 0.227    | ug/L   | 97       |
| 53) m,p-Xylene                | 9.688  | 106   | 2741     | 0.263    | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83    | 651      | 0.130    | ug/L # | 85       |
| 61) 1,2,3-Trichloropropane    | 10.219 | 75    | 508      | 0.165    | ug/L # | 54       |
| 68) 1,2-Dibromo-3-chloropr... | 13.200 | 75    | 213      | 0.317    | ug/L # | 9        |
| -----                         |        |       |          |          |        |          |

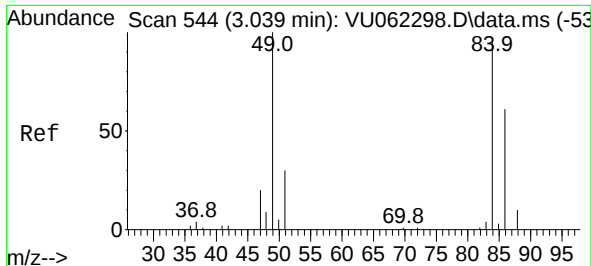
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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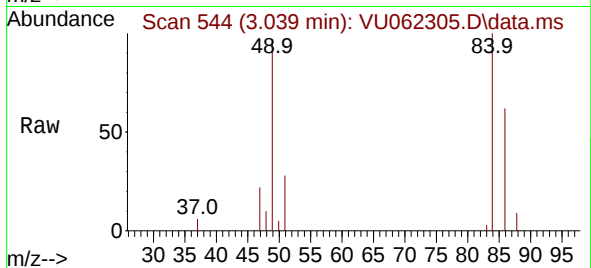
Quant Time: Dec 14 03:47:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
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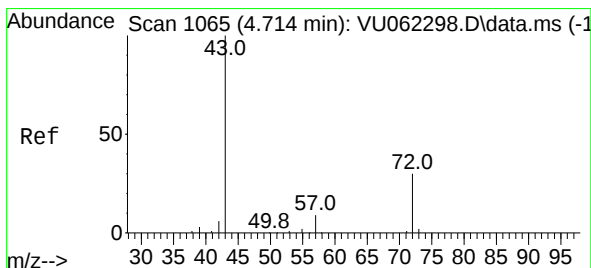
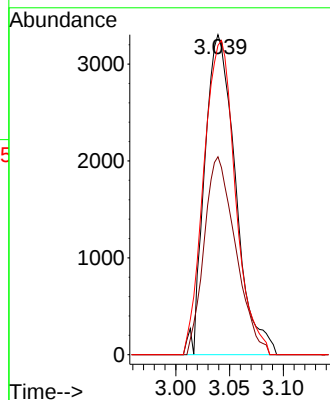
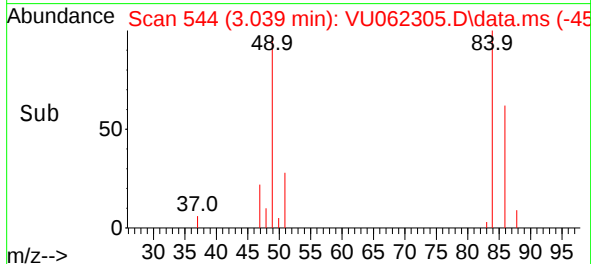


#16  
Methylene chloride  
Concen: 1.186 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

Instrument :  
MSVOA\_U  
ClientSampleId :

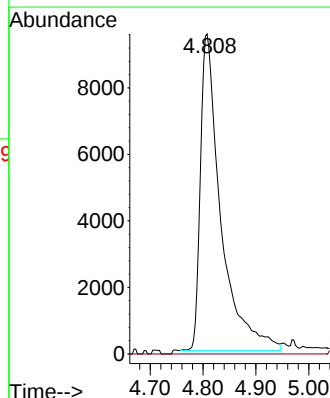
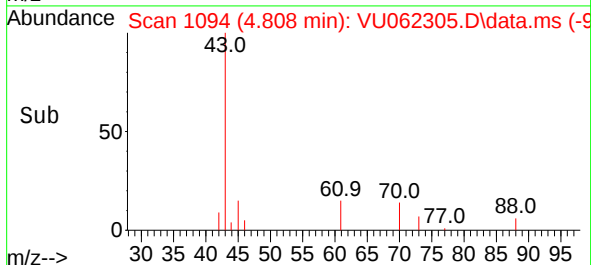
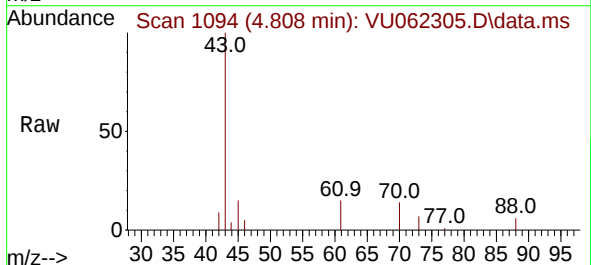


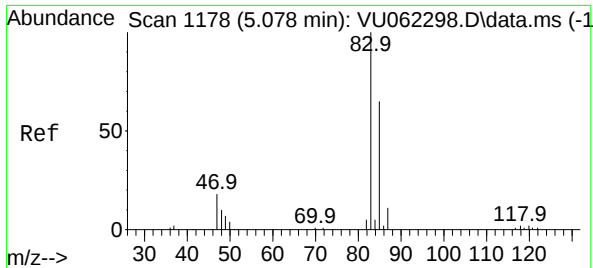
Tgt Ion: 84 Resp: 6585  
Ion Ratio Lower Upper  
84 100  
86 61.8 43.5 80.7  
49 96.6 81.9 152.1



#21  
2-Butanone  
Concen: 25.411 ug/L  
RT: 4.808 min Scan# 1094  
Delta R.T. 0.093 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

Tgt Ion: 43 Resp: 25444  
Ion Ratio Lower Upper  
43 100  
72 0.0 14.8 44.4#

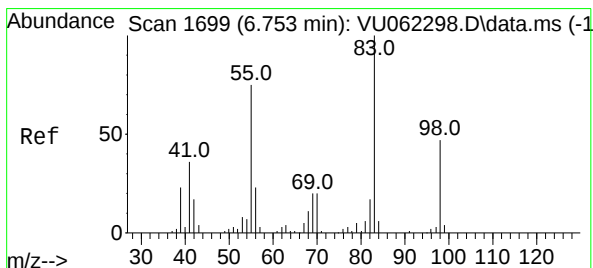
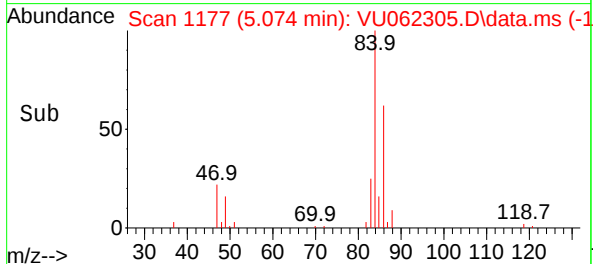
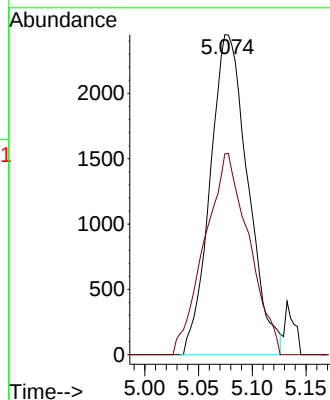
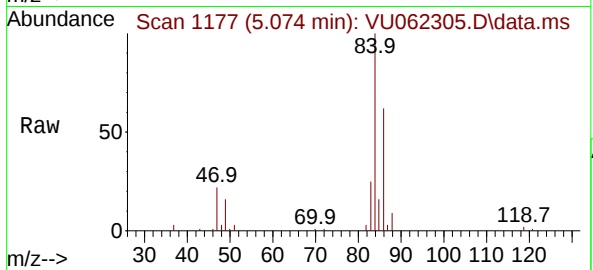




#25  
Chloroform  
Concen: 0.533 ug/L  
RT: 5.074 min Scan# 1177  
Delta R.T. -0.003 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

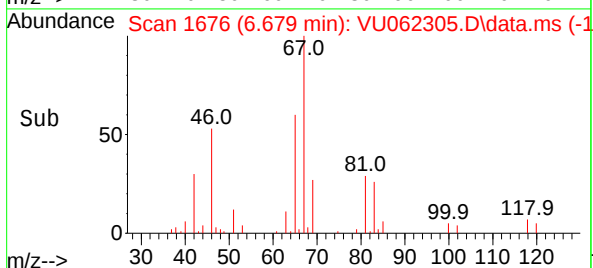
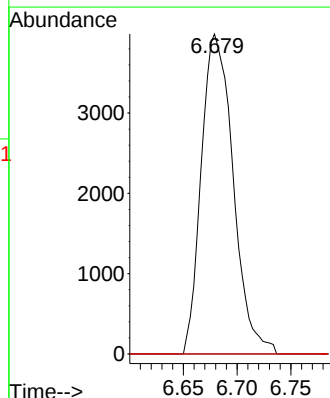
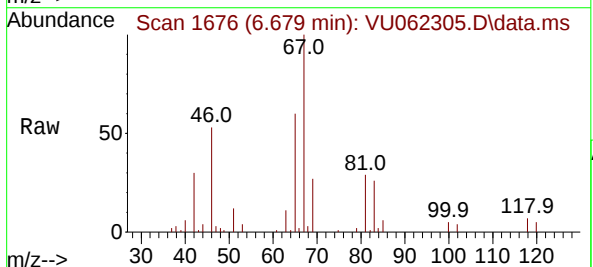
Instrument :  
MSVOA\_U  
ClientSampleId :

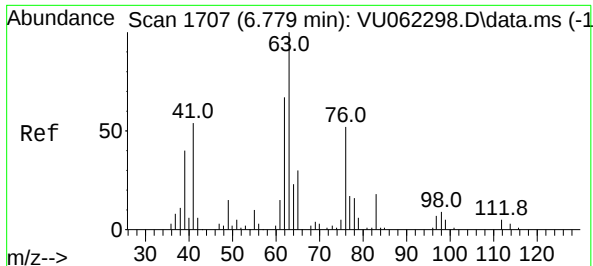
Tgt Ion: 83 Resp: 5986  
Ion Ratio Lower Upper  
83 100  
85 62.8 45.4 84.2



#35  
Methylcyclohexane  
Concen: 0.838 ug/L  
RT: 6.679 min Scan# 1676  
Delta R.T. -0.074 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

Tgt Ion: 83 Resp: 8218  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.7 91.1#  
98 0.0 34.8 52.2#

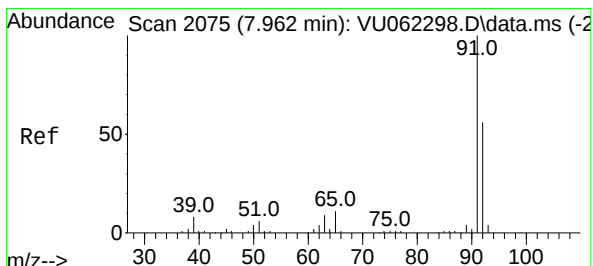
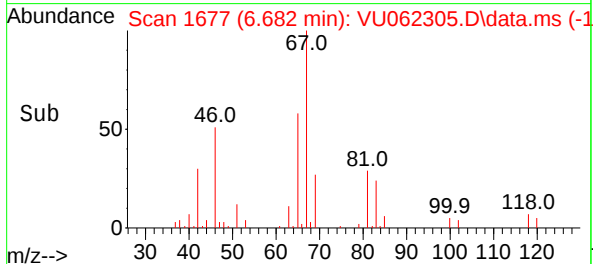
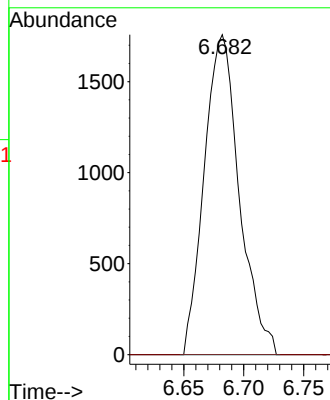
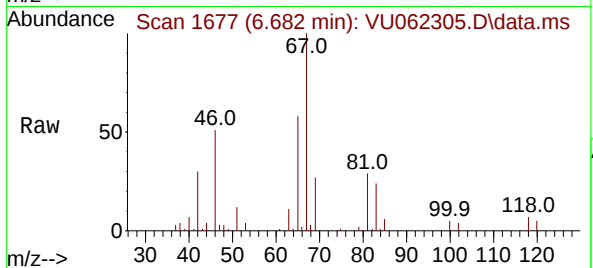




#37  
1,2-Dichloropropane  
Concen: 0.630 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.096 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

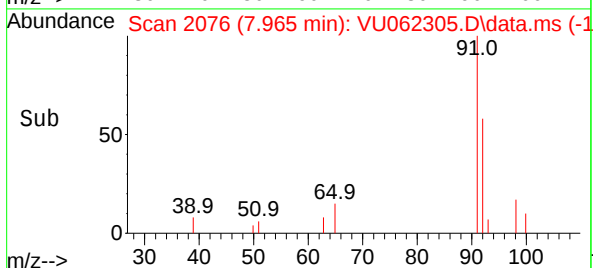
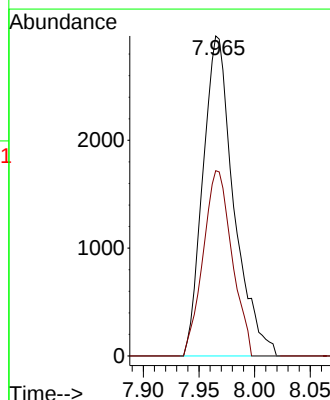
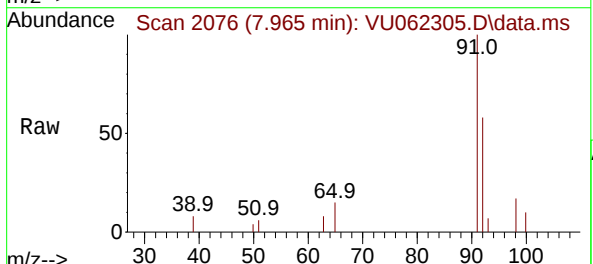
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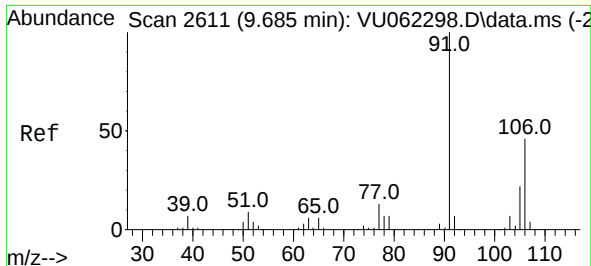
Tgt Ion: 63 Resp: 3580  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



#42  
Toluene  
Concen: 0.227 ug/L  
RT: 7.965 min Scan# 2076  
Delta R.T. 0.003 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

Tgt Ion: 91 Resp: 5716  
Ion Ratio Lower Upper  
91 100  
92 57.9 39.0 72.4

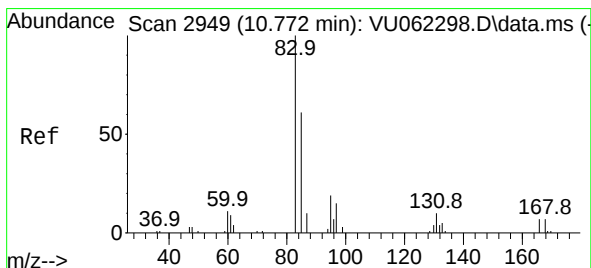
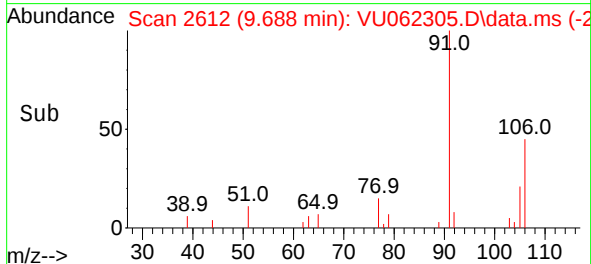
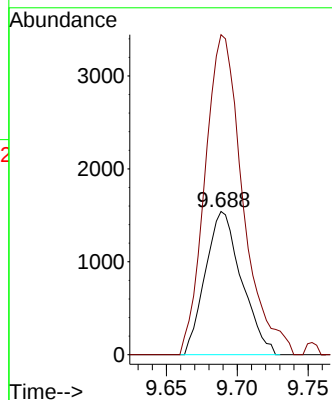
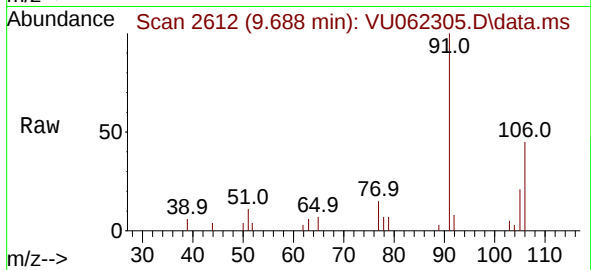




#53  
m,p-Xylene  
Concen: 0.263 ug/L  
RT: 9.688 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

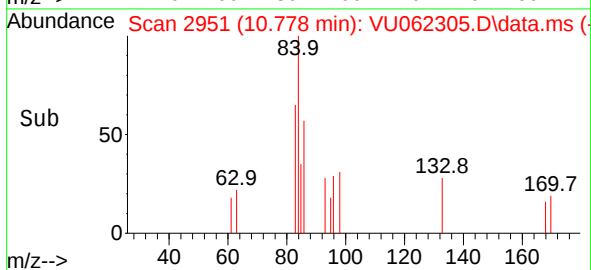
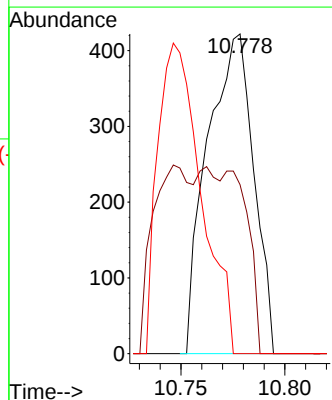
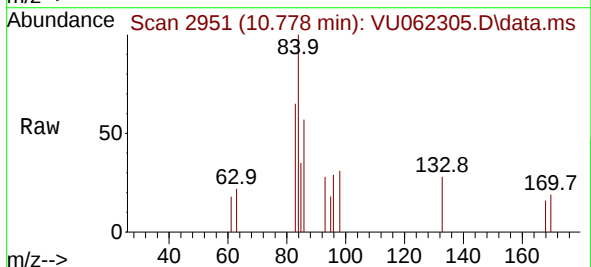
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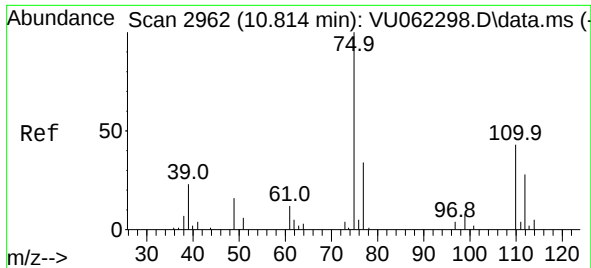
Tgt Ion:106 Resp: 2741  
Ion Ratio Lower Upper  
106 100  
91 223.3 147.6 274.0



#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.130 ug/L  
RT: 10.778 min Scan# 2951  
Delta R.T. 0.006 min  
Lab File: VU062305.D  
Acq: 13 Dec 2024 12:07

Tgt Ion: 83 Resp: 651  
Ion Ratio Lower Upper  
83 100  
85 52.8 44.4 82.4  
131 0.0 7.3 10.9#





#61

1,2,3-Trichloropropane

Concen: 0.165 ug/L

RT: 10.219 min Scan# 21

Delta R.T. -0.595 min

Lab File: VU062305.D

Acq: 13 Dec 2024 12:07

Instrument :

MSVOA\_U

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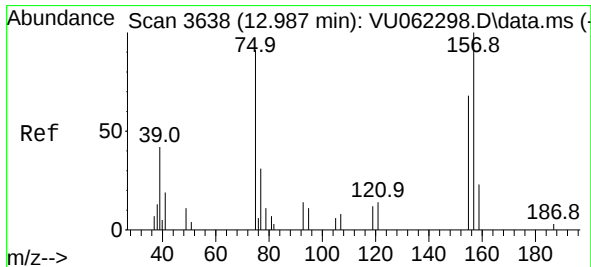
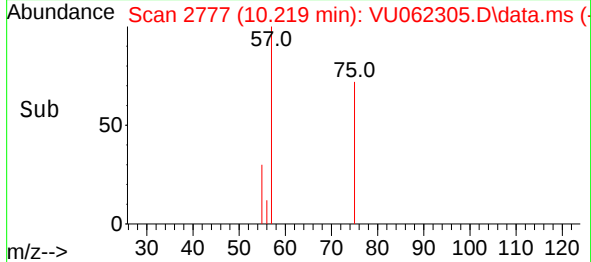
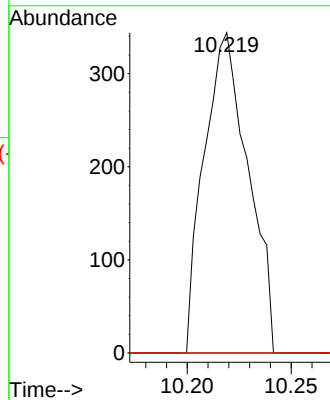
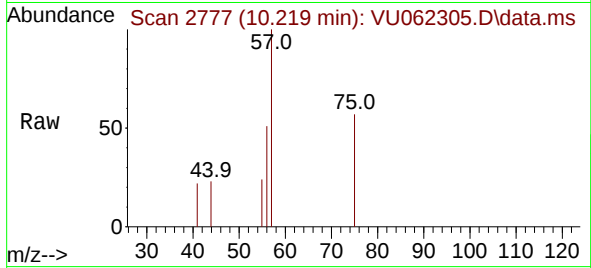
Tgt Ion: 75 Resp: 508

Ion Ratio Lower Upper

75 100

110 0.0 28.9 43.3#

77 16.1 26.5 39.7#



#68

1,2-Dibromo-3-chloropropane

Concen: 0.317 ug/L

RT: 13.200 min Scan# 3704

Delta R.T. 0.212 min

Lab File: VU062305.D

Acq: 13 Dec 2024 12:07

Tgt Ion: 75 Resp: 213

Ion Ratio Lower Upper

75 100

155 0.0 55.2 82.8#

157 0.0 73.5 110.3#

