

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052523\  
 Data File : VW026038.D  
 Acq On : 25 May 2023 14:15  
 Operator : SY/MD  
 Sample : 02950-02  
 Misc : 2.72g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW979

Quant Time: May 26 00:34:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 26 00:33:05 2023  
 Response via : Initial Calibration

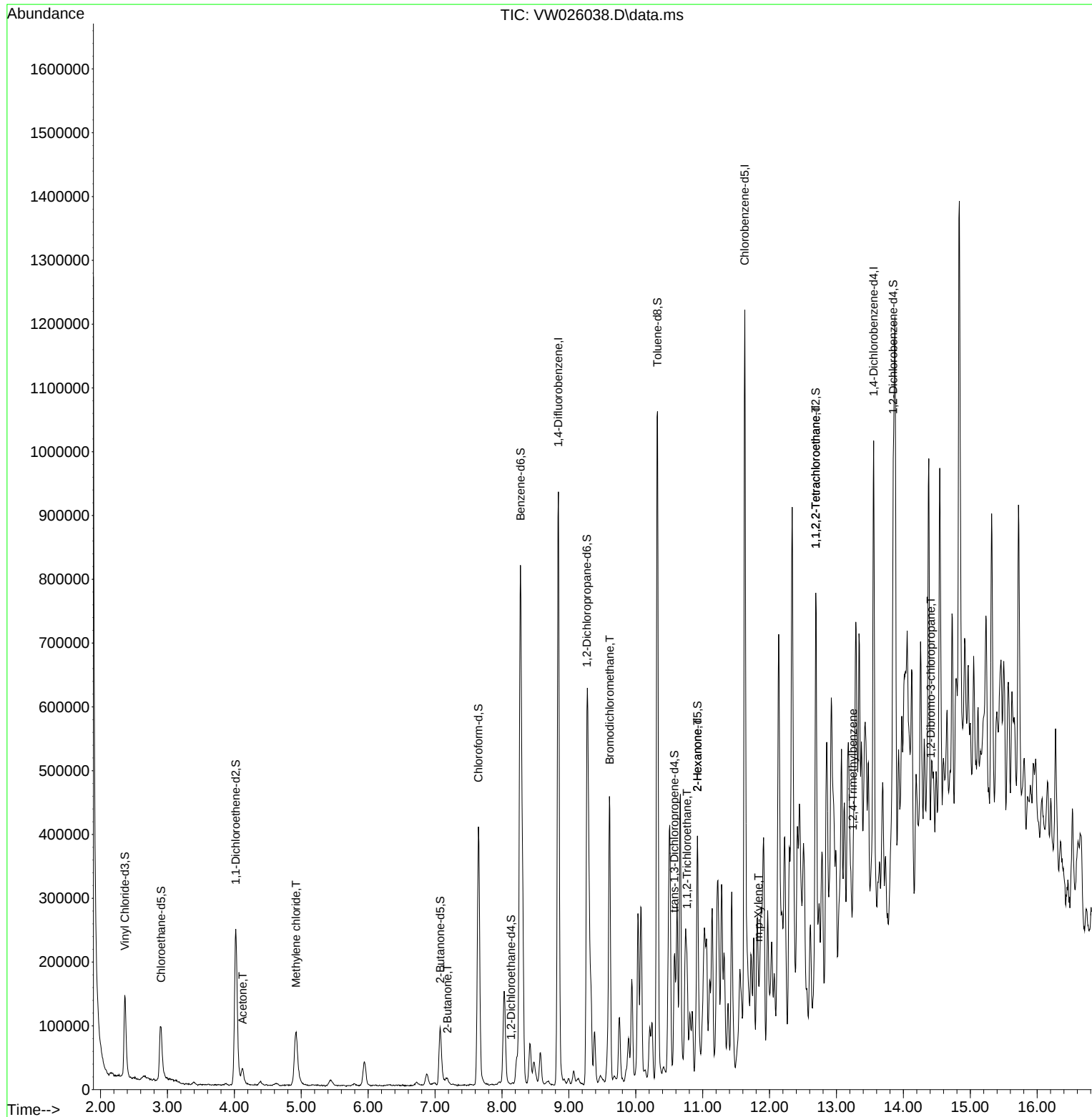
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 723735   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 545239   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 177640   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 174427   | 17.008   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 68.040%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 137127   | 18.035   | ug/L   | 0.01     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 87722    | 17.082   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 68.320%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 156267   | 46.090   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 92.180%  |
| 24) Chloroform-d              | 7.648  | 84    | 402416   | 19.283   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 77.120%  |
| 26) 1,2-Dichloroethane-d4     | 8.136  | 65    | 171      | 0.014    | ug/L   | -0.17    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.040%#  |
| 32) Benzene-d6                | 8.276  | 84    | 808050   | 22.681   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 282273   | 24.763   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.040%  |
| 41) Toluene-d8                | 10.325 | 98    | 636084   | 20.022   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 80.080%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 91919    | 19.893   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 79.560%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 110726   | 56.965   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 113.920% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 190266   | 21.899   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 129726   | 20.033   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 80.120%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 4.125  | 43    | 41168    | 13.694   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 66996    | 4.489    | ug/L   | 95       |
| 22) 2-Butanone                | 7.185  | 43    | 17554    | 4.229    | ug/L   | 90       |
| 38) Bromodichloromethane      | 9.612  | 83    | 16161    | 1.363    | ug/L # | 32       |
| 45) 1,1,2-Trichloroethane     | 10.764 | 97    | 39354    | 5.692    | ug/L # | 29       |
| 48) 2-Hexanone                | 10.922 | 43    | 37221    | 7.723    | ug/L # | 50       |
| 53) m,p-Xylene                | 11.837 | 106   | 9853     | 0.617    | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.690 | 83    | 19657    | 2.279    | ug/L # | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105   | 18686    | 0.947    | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.409 | 75    | 1017     | 1.045    | ug/L # | 45       |
| -----                         |        |       |          |          |        |          |

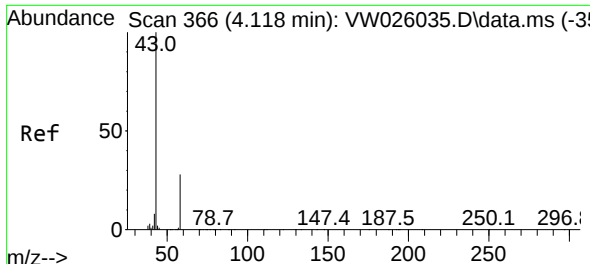
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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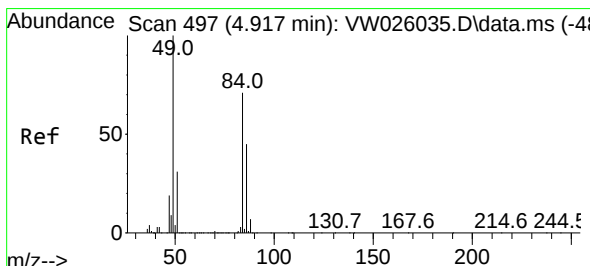
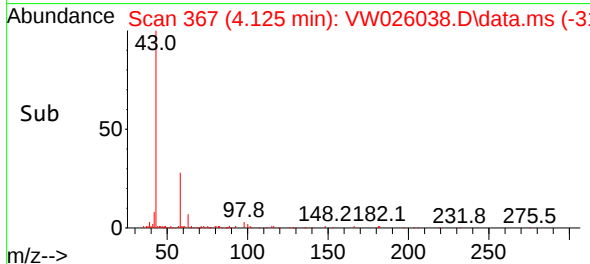
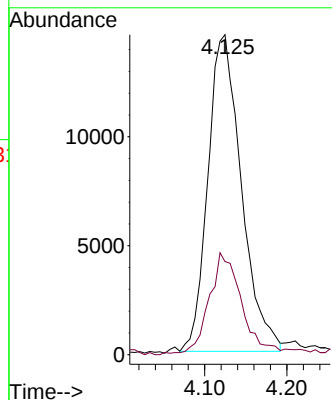
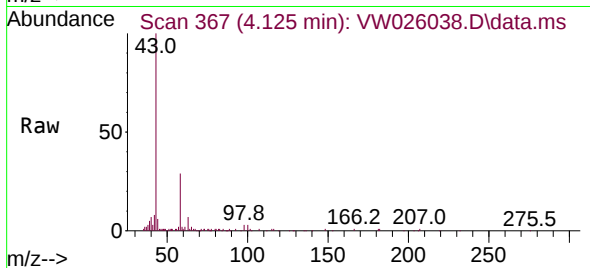




#13  
Acetone  
Concen: 13.694 ug/L  
RT: 4.125 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

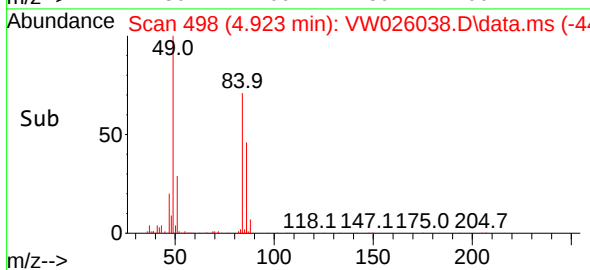
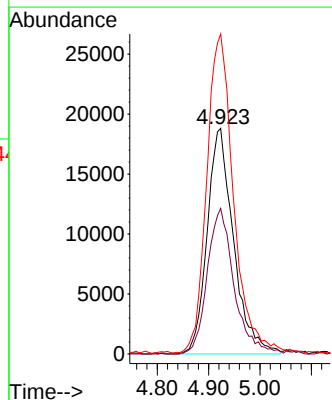
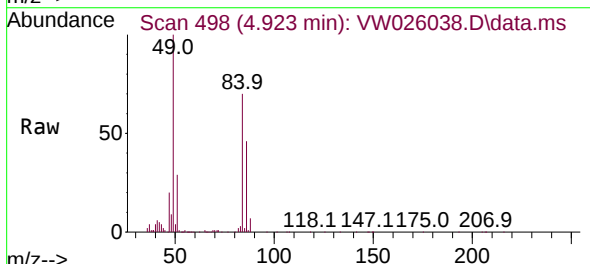
Instrument :  
MSVOA\_W  
ClientSampleId :  
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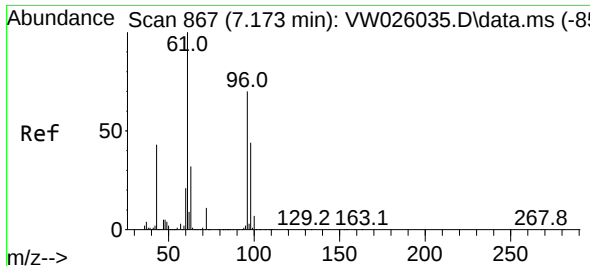
Tgt Ion: 43 Resp: 41168  
Ion Ratio Lower Upper  
43 100  
58 29.5 0.0 58.2



#16  
Methylene chloride  
Concen: 4.489 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

Tgt Ion: 84 Resp: 66996  
Ion Ratio Lower Upper  
84 100  
86 64.5 41.7 77.5  
49 141.9 95.3 177.1

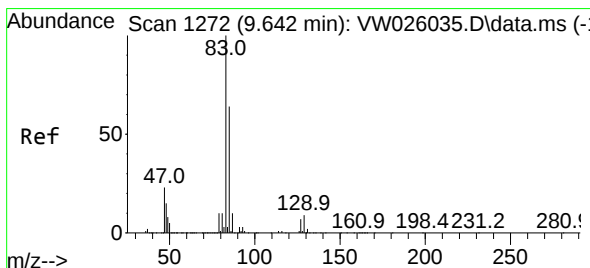
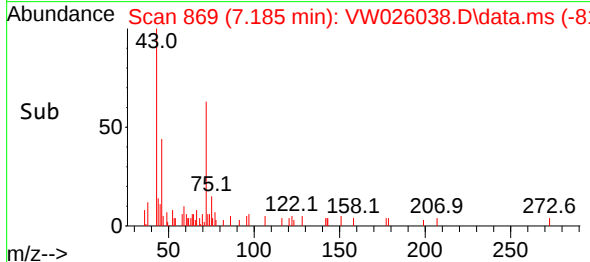
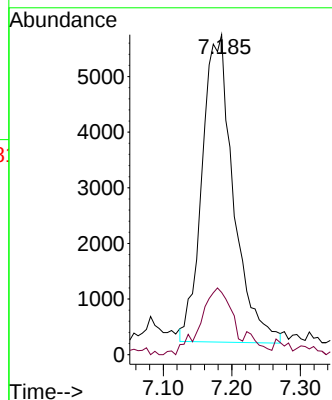
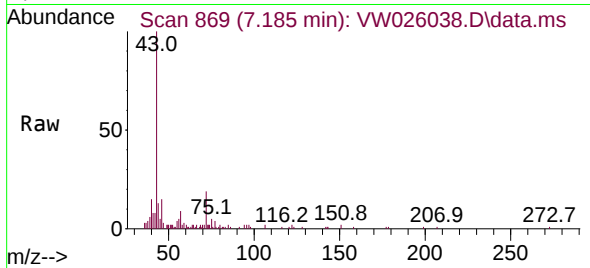




#22  
2-Butanone  
Concen: 4.229 ug/L  
RT: 7.185 min Scan# 869  
Delta R.T. 0.012 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

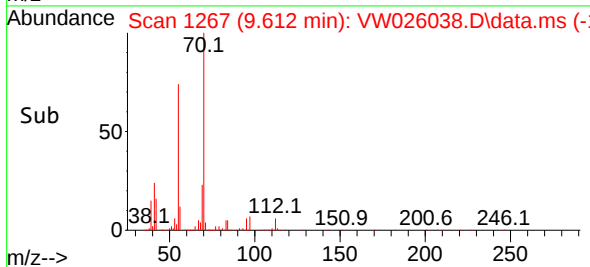
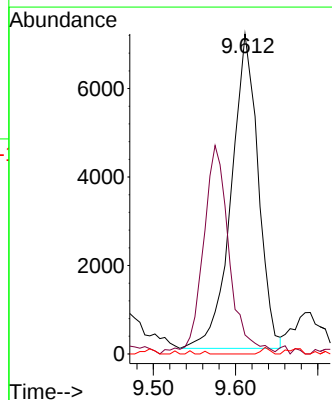
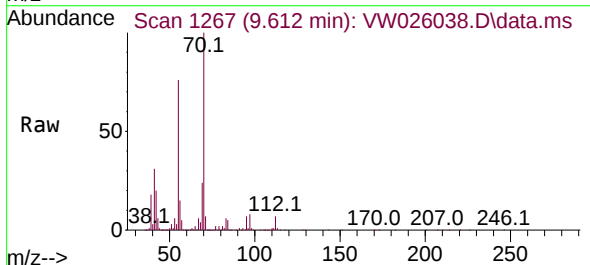
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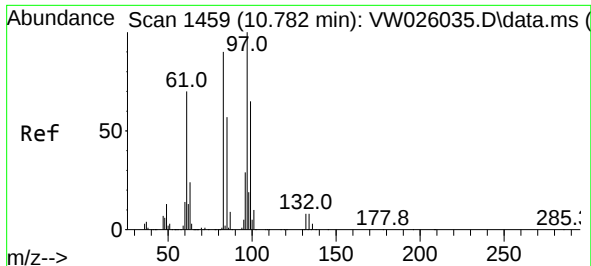
Tgt Ion: 43 Resp: 17554  
Ion Ratio Lower Upper  
43 100  
72 18.8 11.8 35.4



#38  
Bromodichloromethane  
Concen: 1.363 ug/L  
RT: 9.612 min Scan# 1267  
Delta R.T. -0.030 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

Tgt Ion: 83 Resp: 16161  
Ion Ratio Lower Upper  
83 100  
85 5.9 44.4 82.5#  
127 0.0 6.5 9.7#

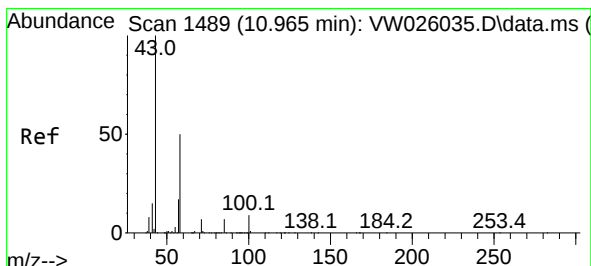
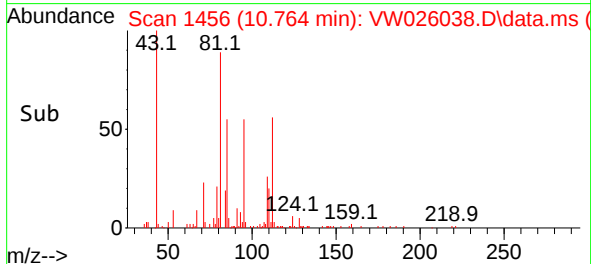
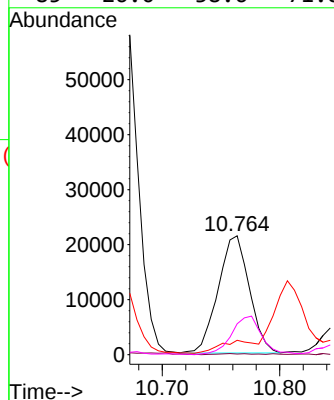
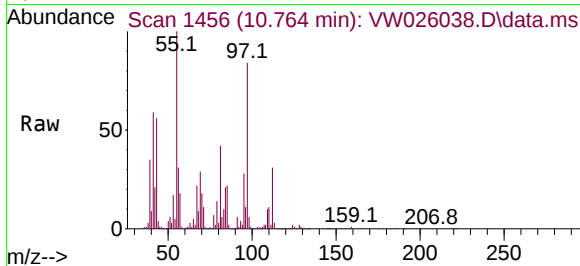




#45  
1,1,2-Trichloroethane  
Concen: 5.692 ug/L  
RT: 10.764 min Scan# 1456  
Delta R.T. -0.018 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

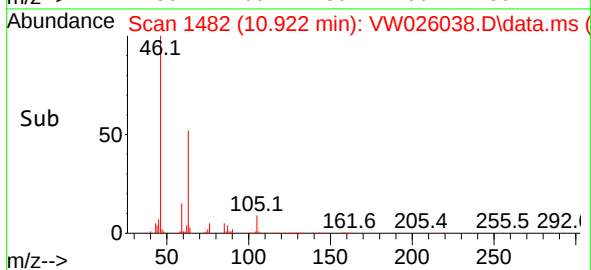
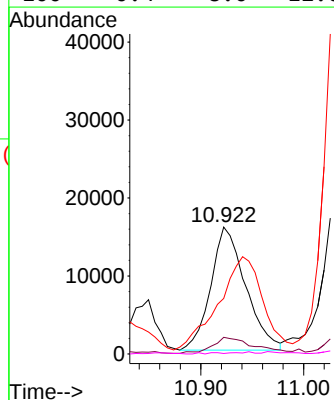
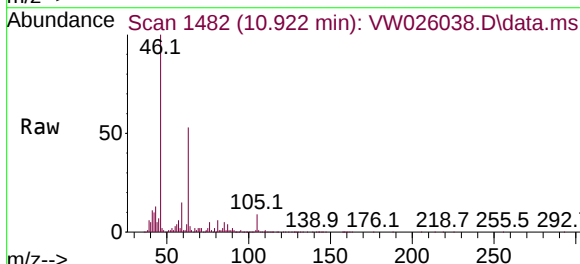
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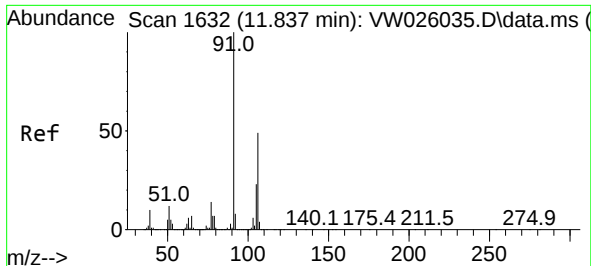
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 39354  |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 0.6   | 44.5  | 82.7#  |
| 83       | 12.1  | 63.0  | 117.0# |
| 85       | 26.0  | 38.6  | 71.8#  |



#48  
2-Hexanone  
Concen: 7.723 ug/L  
RT: 10.922 min Scan# 1482  
Delta R.T. -0.042 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 37221 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 10.1  | 40.8  | 61.2# |
| 57       | 0.0   | 13.6  | 20.4# |
| 100      | 0.4   | 8.0   | 12.0# |

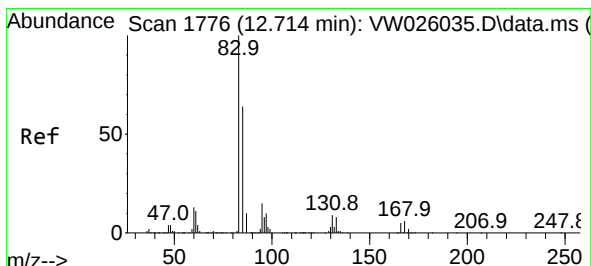
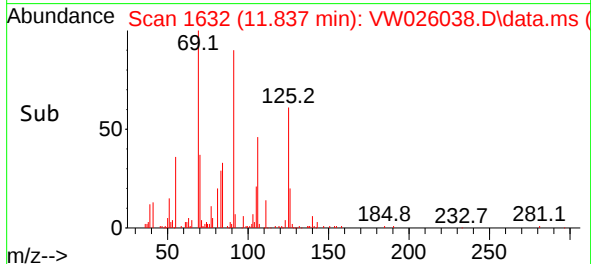
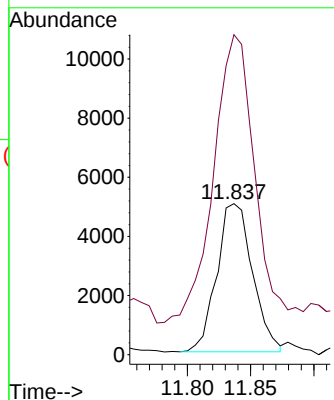
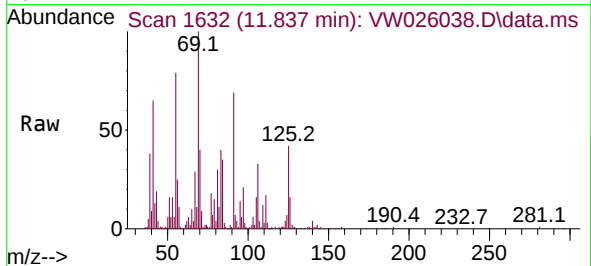




#53  
m,p-Xylene  
Concen: 0.617 ug/L  
RT: 11.837 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

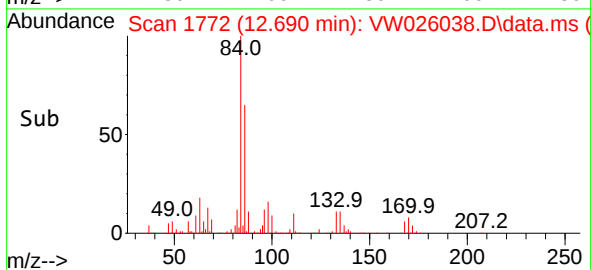
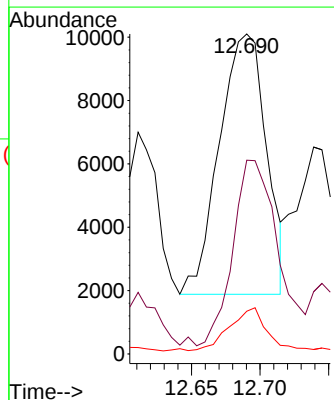
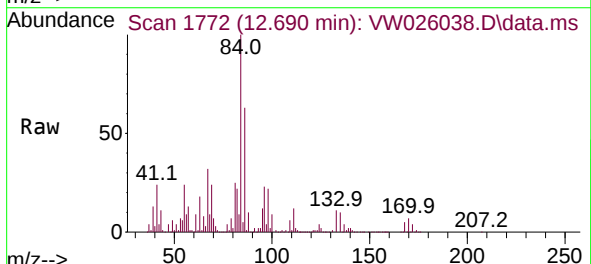
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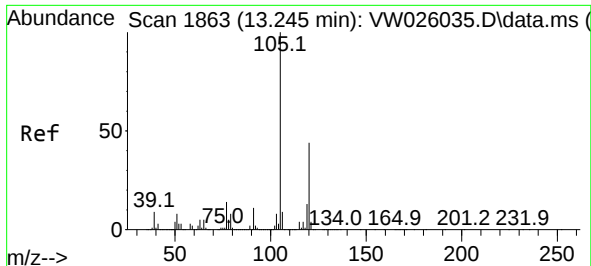
Tgt Ion:106 Resp: 9853  
Ion Ratio Lower Upper  
106 100  
91 211.8 150.1 278.9



#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.279 ug/L  
RT: 12.690 min Scan# 1772  
Delta R.T. -0.024 min  
Lab File: VW026038.D  
Acq: 25 May 2023 14:15

Tgt Ion: 83 Resp: 19657  
Ion Ratio Lower Upper  
83 100  
85 60.6 45.6 84.8  
131 13.4 8.1 12.1#

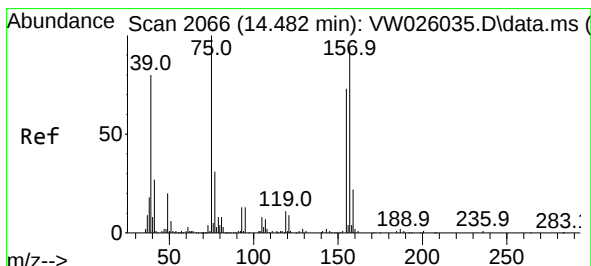
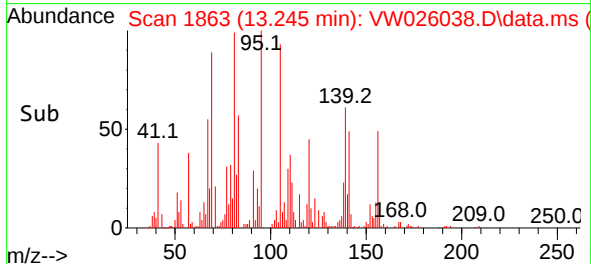
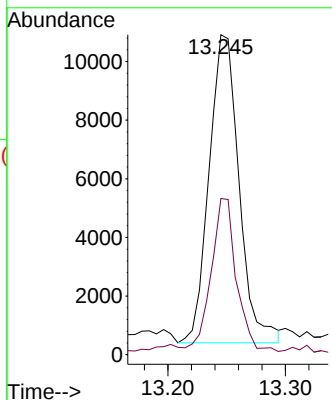
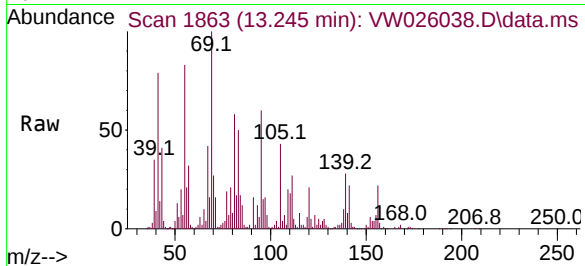




#63  
1,2,4-Trimethylbenzene  
Concen: 0.947 ug/L  
RT: 13.245 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW026038.D  
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Tgt Ion:105 Resp: 18686  
Ion Ratio Lower Upper  
105 100  
120 39.0 34.7 52.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.045 ug/L  
RT: 14.409 min Scan# 2054  
Delta R.T. -0.073 min  
Lab File: VW026038.D  
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Tgt Ion: 75 Resp: 1017  
Ion Ratio Lower Upper  
75 100  
155 47.3 56.3 84.5#  
157 13.3 66.3 99.5#

