

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082323\  
 Data File : VW026834.D  
 Acq On : 23 Aug 2023 22:57  
 Operator : SY/MD  
 Sample : 04138-04  
 Misc : 4.04g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 24 04:49:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 23 01:29:10 2023  
 Response via : Initial Calibration

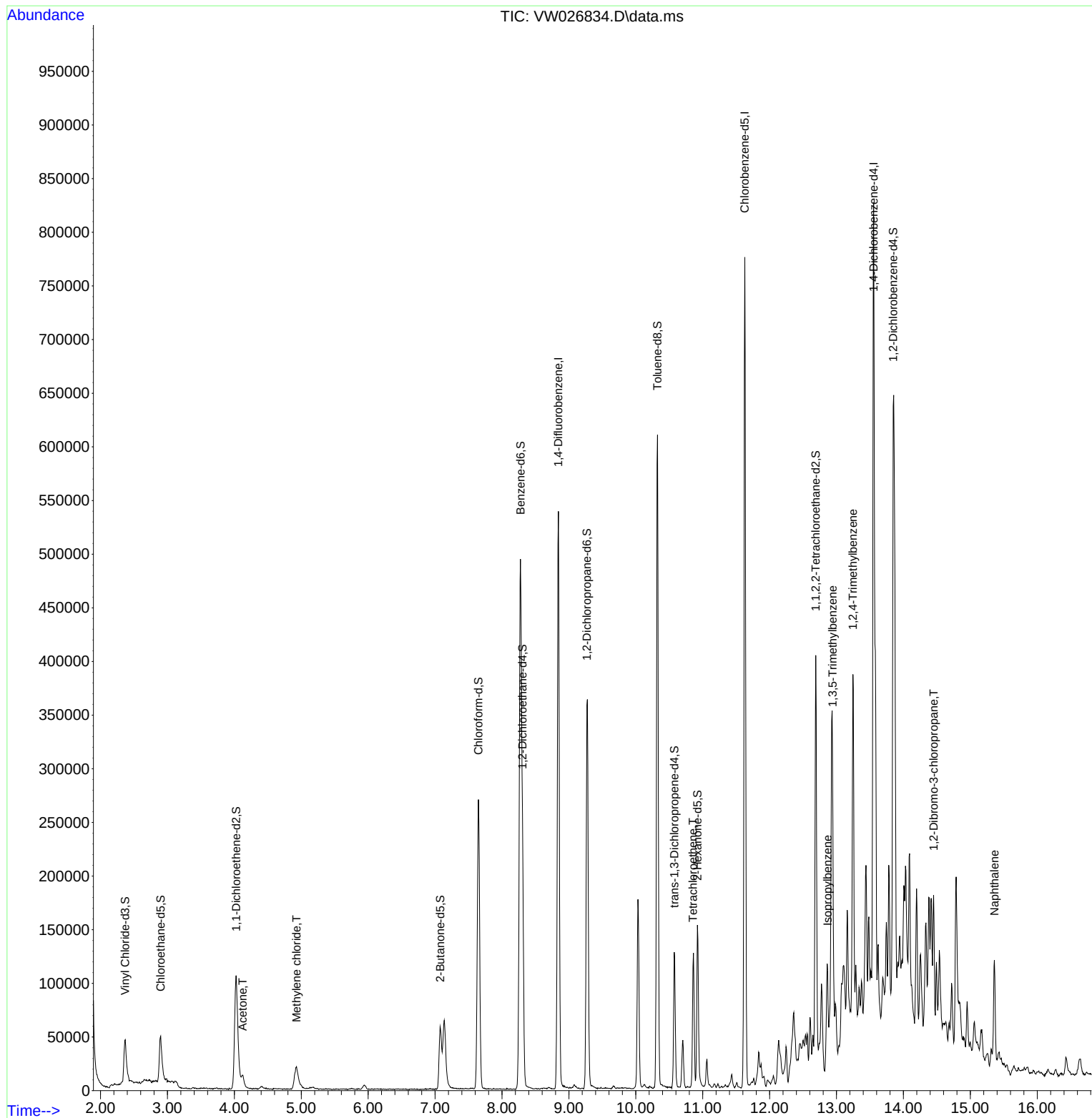
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 428411   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 415181   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 180989   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 69994    | 9.939    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 39.760%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 68674    | 13.114   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 52.440%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 44038    | 12.714   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 50.840%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 101583   | 50.185   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.360% |
| 24) Chloroform-d              | 7.648  | 84    | 273319   | 19.009   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 76.040%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 178108   | 22.446   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 89.800%  |
| 32) Benzene-d6                | 8.276  | 84    | 491743   | 17.185   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 68.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 170146   | 19.090   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 76.360%  |
| 41) Toluene-d8                | 10.325 | 98    | 400540   | 16.307   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 65.240%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 69721    | 18.946   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 75.800%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 50049    | 53.440   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.880% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 181128   | 25.733   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 130924   | 20.210   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 80.840%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 4.125  | 43    | 15971    | 7.935    | ug/L   | 92       |
| 16) Methylene chloride        | 4.929  | 84    | 19973    | 2.410    | ug/L   | 87       |
| 46) Tetrachloroethene         | 10.855 | 164   | 26807    | 4.792    | ug/L   | 91       |
| 60) Isopropylbenzene          | 12.867 | 105   | 40659    | 1.511    | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105   | 70887    | 3.333    | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105   | 182662   | 8.764    | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 14.452 | 75    | 1771     | 1.673    | ug/L # | 7        |
| 71) Naphthalene               | 15.360 | 128   | 85694    | 6.702    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

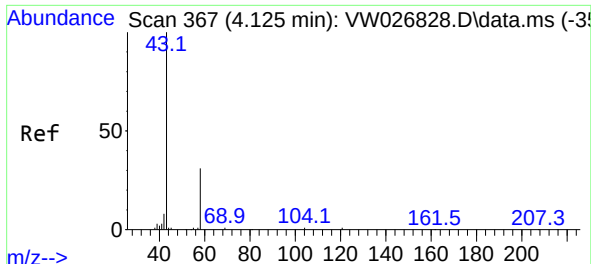
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Wed Aug 23 01:29:10 2023  
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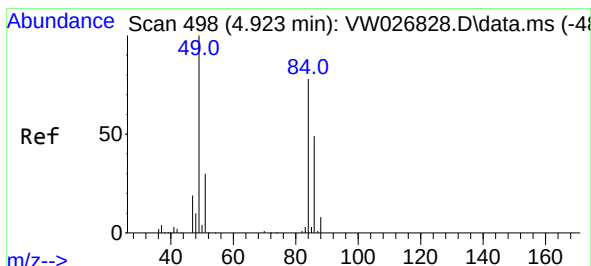
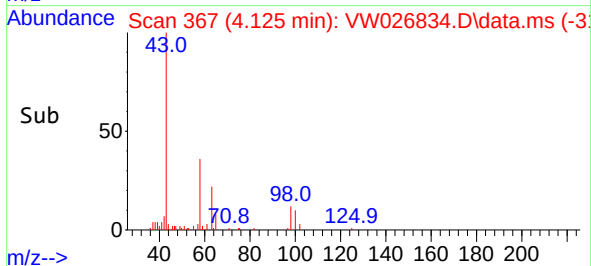
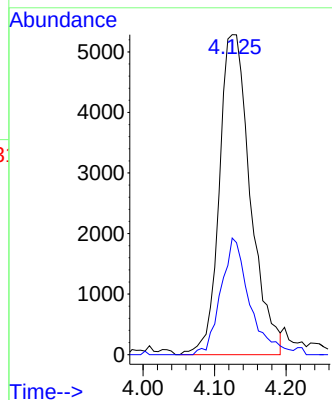
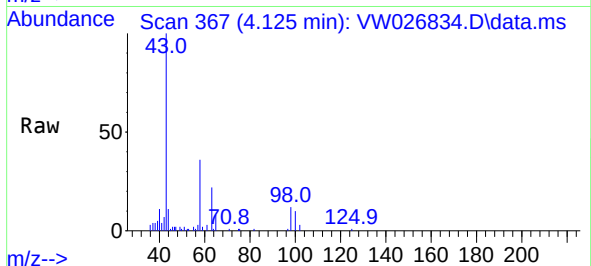




#13  
Acetone  
Concen: 7.935 ug/L  
RT: 4.125 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VW026834.D  
Acq: 23 Aug 2023 22:57

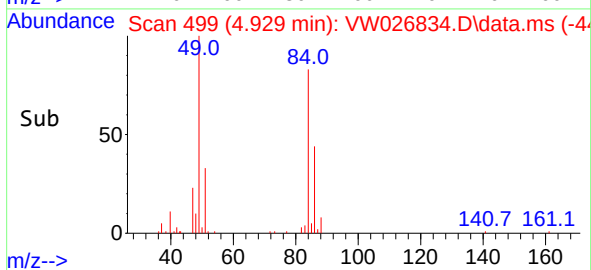
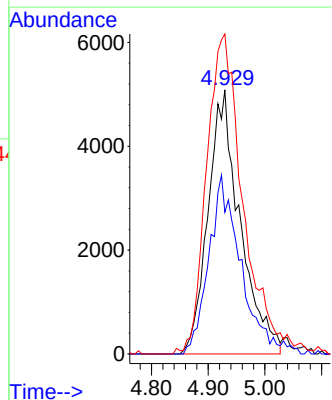
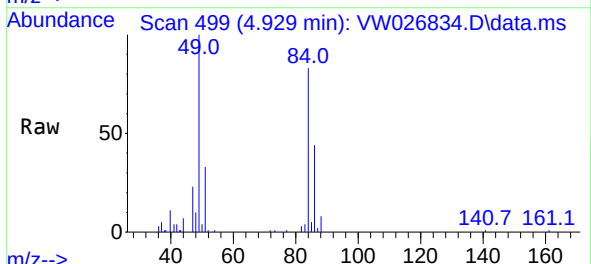
Instrument :  
MSVOA\_W  
ClientSampleId :

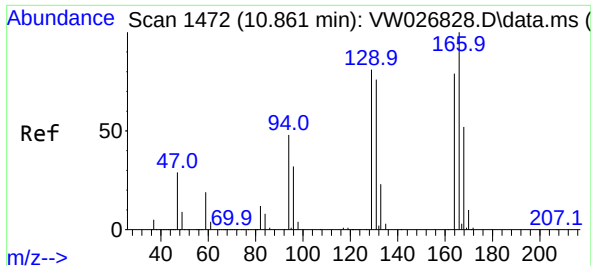
Tgt Ion: 43 Resp: 15971  
Ion Ratio Lower Upper  
43 100  
58 33.0 0.0 57.4



#16  
Methylene chloride  
Concen: 2.410 ug/L  
RT: 4.929 min Scan# 499  
Delta R.T. 0.012 min  
Lab File: VW026834.D  
Acq: 23 Aug 2023 22:57

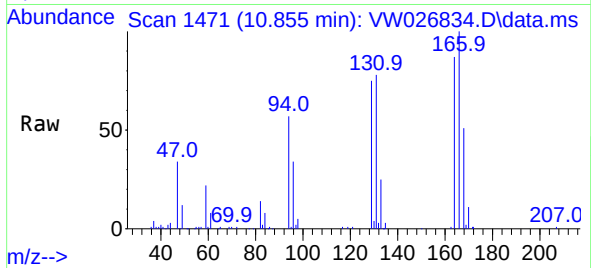
Tgt Ion: 84 Resp: 19973  
Ion Ratio Lower Upper  
84 100  
86 53.7 43.5 80.9  
49 121.1 96.0 178.2





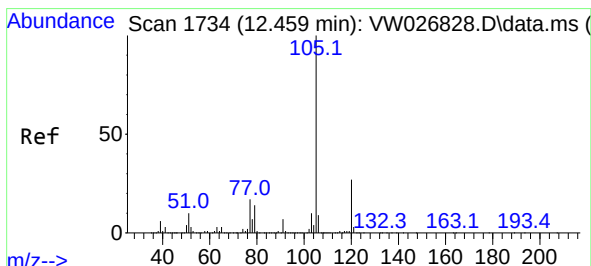
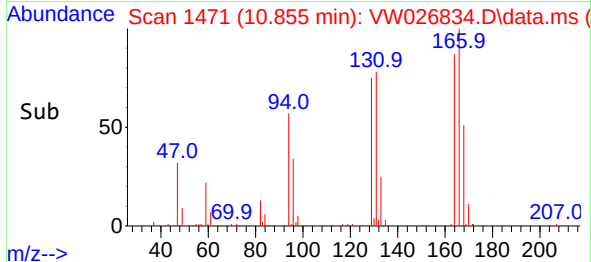
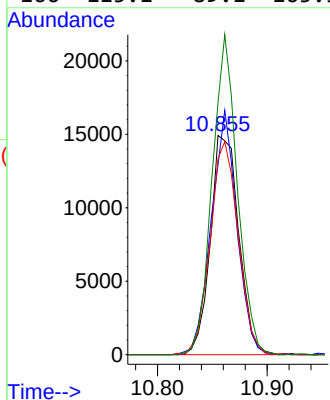
#46  
Tetrachloroethene  
Concen: 4.792 ug/L  
RT: 10.855 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: VW026834.D  
Acq: 23 Aug 2023 22:57

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion:164 Resp: 26807

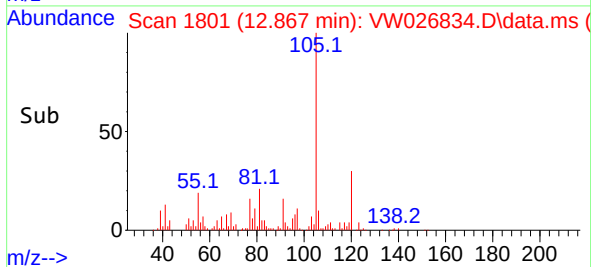
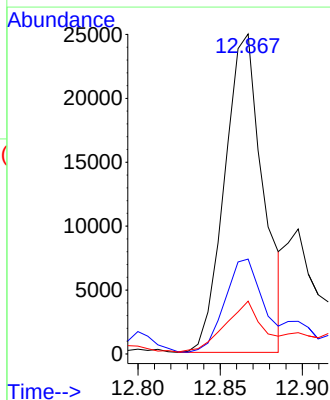
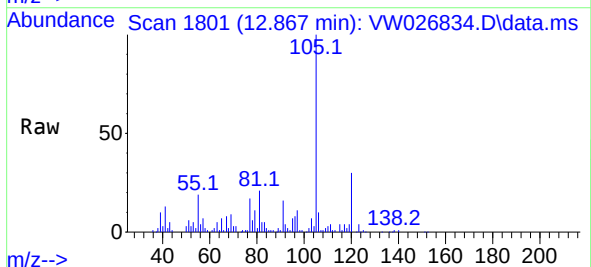
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 86.8  | 68.1  | 126.5 |
| 131 | 89.6  | 65.5  | 121.7 |
| 166 | 115.1 | 89.1  | 165.5 |

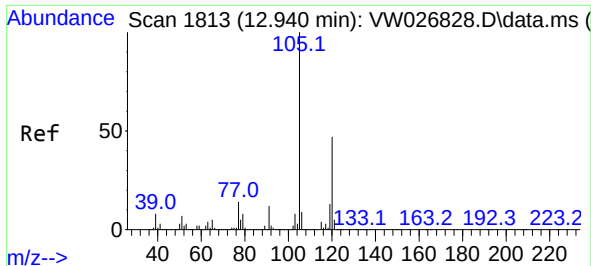


#60  
Isopropylbenzene  
Concen: 1.511 ug/L  
RT: 12.867 min Scan# 1801  
Delta R.T. 0.408 min  
Lab File: VW026834.D  
Acq: 23 Aug 2023 22:57

Tgt Ion:105 Resp: 40659

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 30.3  | 21.0  | 31.6  |
| 77  | 15.6  | 13.4  | 20.2  |





#62

1,3,5-Trimethylbenzene

Concen: 3.333 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026834.D

Acq: 23 Aug 2023 22:57

Instrument :

MSVOA\_W

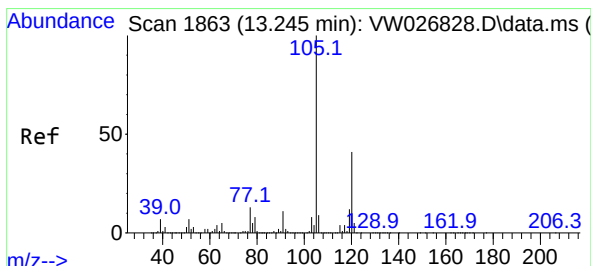
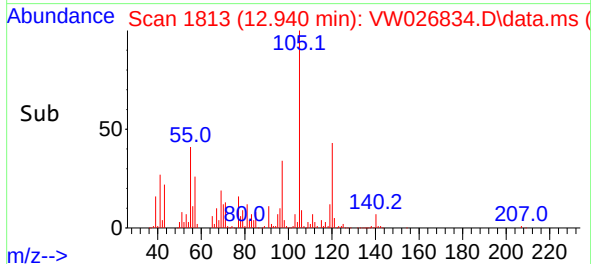
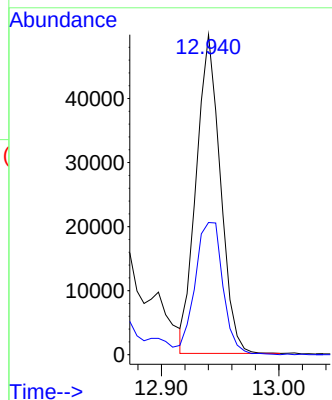
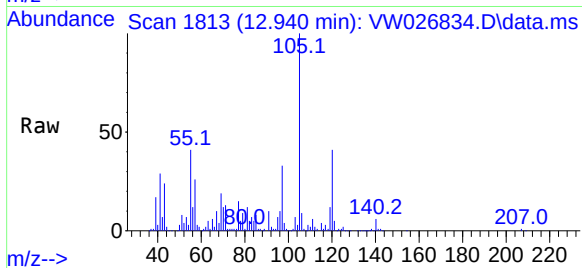
ClientSampleId :

Tgt Ion:105 Resp: 70887

Ion Ratio Lower Upper

105 100

120 48.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 8.764 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026834.D

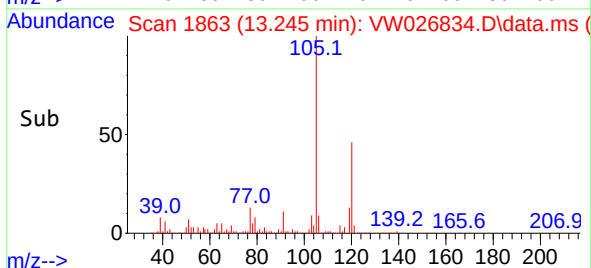
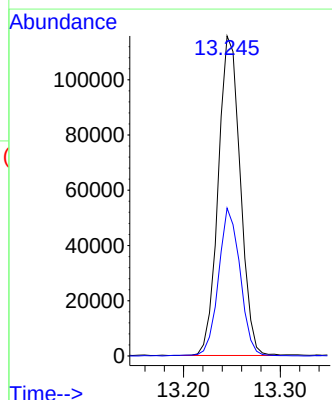
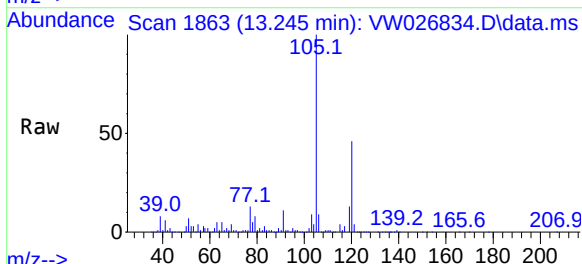
Acq: 23 Aug 2023 22:57

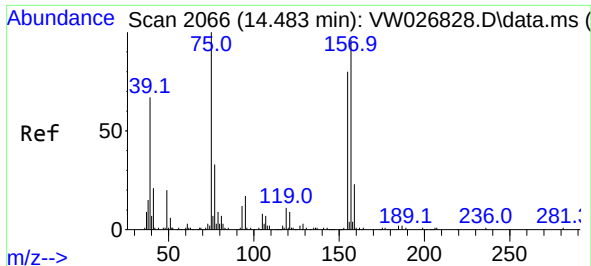
Tgt Ion:105 Resp: 182662

Ion Ratio Lower Upper

105 100

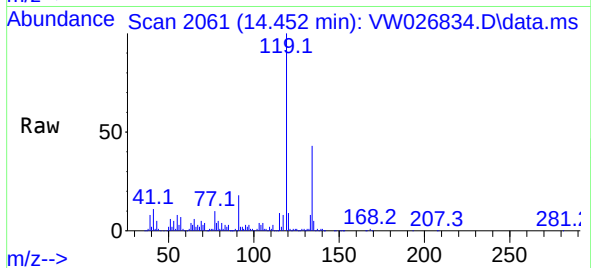
120 45.4 36.2 54.4



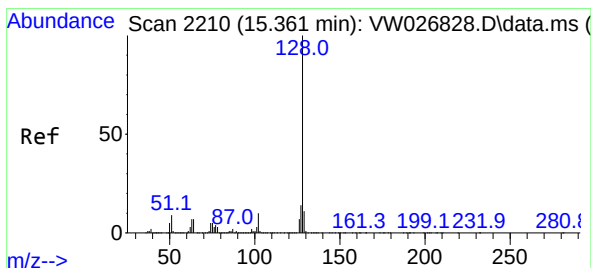
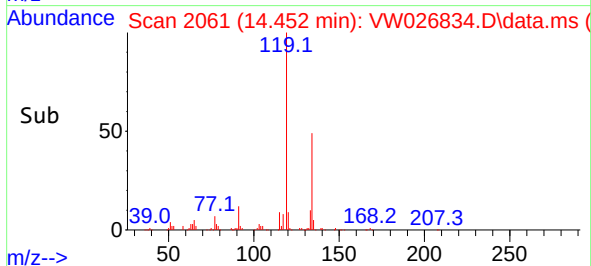
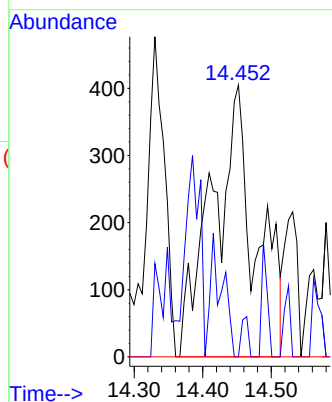


#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.673 ug/L  
RT: 14.452 min Scan# 2066  
Delta R.T. -0.024 min  
Lab File: VW026834.D  
Acq: 23 Aug 2023 22:57

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 75 Resp: 1771  
Ion Ratio Lower Upper  
75 100  
155 0.0 55.0 82.6#  
157 0.0 77.8 116.6#



#71  
Naphthalene  
Concen: 6.702 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. 0.000 min  
Lab File: VW026834.D  
Acq: 23 Aug 2023 22:57

Tgt Ion: 128 Resp: 85694  
Ion Ratio Lower Upper  
128 100  
127 13.9 10.7 16.1  
129 10.7 9.0 13.4

