

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122021\  
 Data File : VW021507.D  
 Acq On : 20 Dec 2021 18:52  
 Operator : SY/VA  
 Sample : M5125-03  
 Misc : 6.31g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 21:32:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 18 00:55:20 2021  
 Response via : Initial Calibration

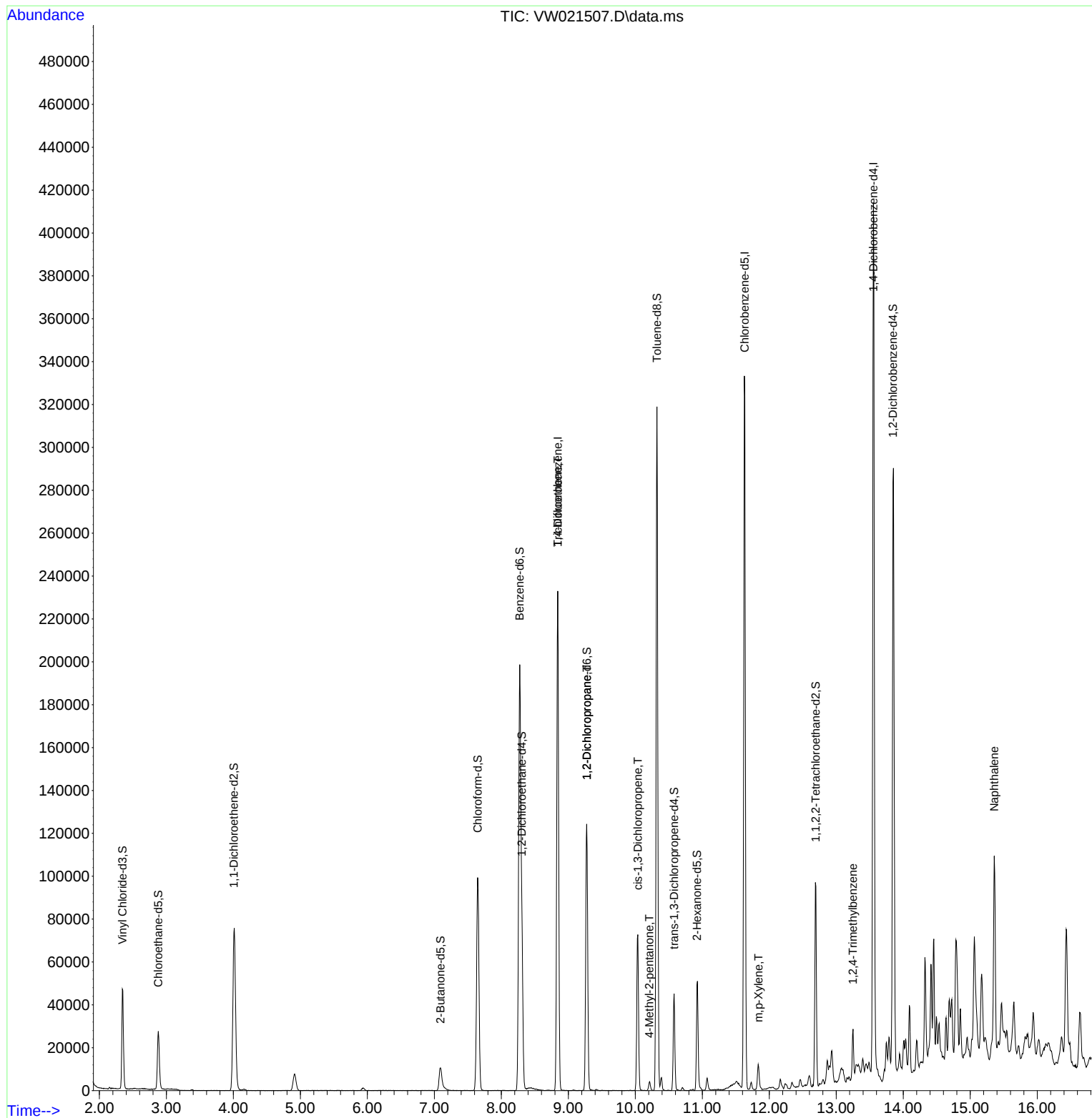
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 206421   | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 196828   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 115612   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 47620    | 12.667   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 50.680%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 31188    | 12.549   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 50.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 72157    | 14.397   | ug/L  | -0.01    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 57.600%  |
| 21) 2-Butanone-d5             | 7.092  | 46    | 20275    | 38.259   | ug/L  | 0.02     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 76.520%  |
| 24) Chloroform-d              | 7.647  | 84    | 103666   | 18.021   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 72.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 55645    | 18.185   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 72.760%  |
| 32) Benzene-d6                | 8.275  | 84    | 213456   | 19.785   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 79.120%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 57968    | 20.034   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 80.120%  |
| 41) Toluene-d8                | 10.323 | 98    | 215337   | 19.535   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 78.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 25052    | 18.804   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 75.200%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 18667    | 43.629   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 87.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 44942    | 18.068   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 72.280%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 82524    | 18.418   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 73.680%# |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 34) Trichloroethene           | 8.842  | 95    | 6313     | 2.097    | ug/L  | # 5      |
| 37) 1,2-Dichloropropane       | 9.275  | 63    | 6846     | 2.862    | ug/L  | # 88     |
| 39) cis-1,3-Dichloropropene   | 10.037 | 75    | 1926     | 0.511    | ug/L  | # 76     |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43    | 2851     | 2.188    | ug/L  | # 94     |
| 53) m,p-Xylene                | 11.841 | 106   | 3584     | 0.620    | ug/L  | 69       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 13937    | 1.057    | ug/L  | 98       |
| 71) Naphthalene               | 15.359 | 128   | 83739    | 11.571   | ug/L  | 99       |
| -----                         |        |       |          |          |       |          |

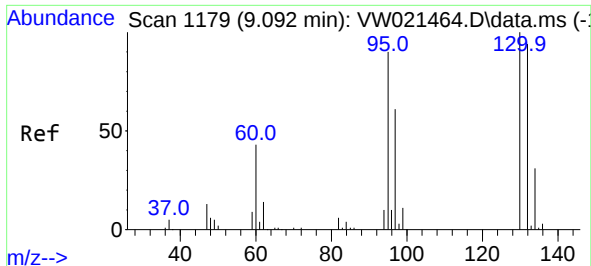
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :

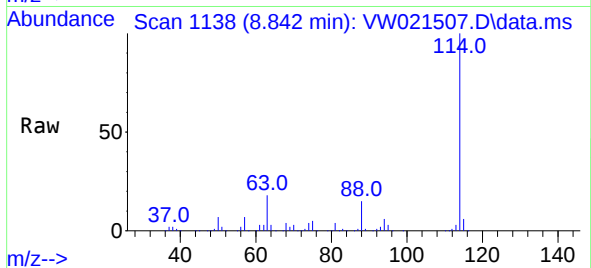
Quant Time: Dec 20 21:32:12 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Dec 18 00:55:20 2021  
Response via : Initial Calibration



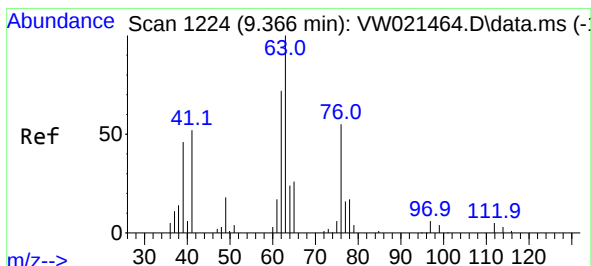
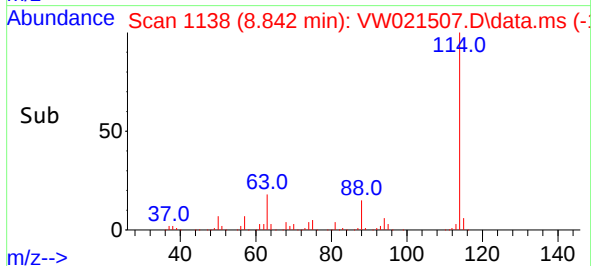
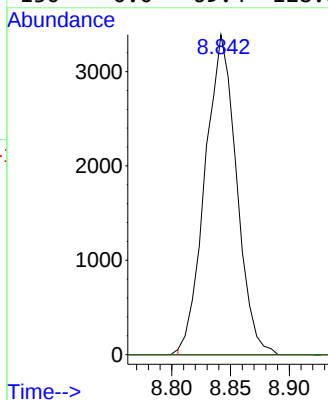


#34  
Trichloroethene  
Concen: 2.097 ug/L  
RT: 8.842 min Scan# 1179  
Delta R.T. -0.250 min  
Lab File: VW021507.D  
Acq: 20 Dec 2021 18:52

Instrument :  
MSVOA\_W  
ClientSampleId :

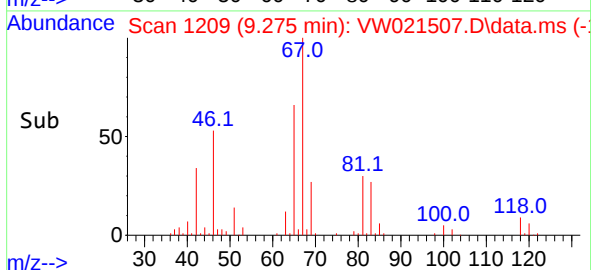
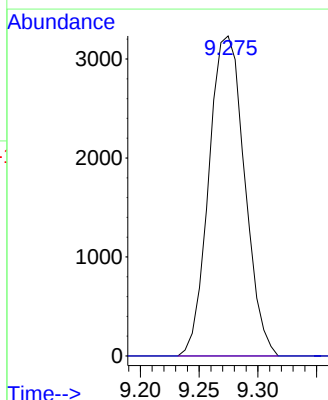
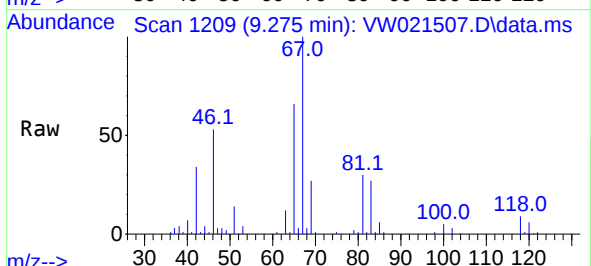


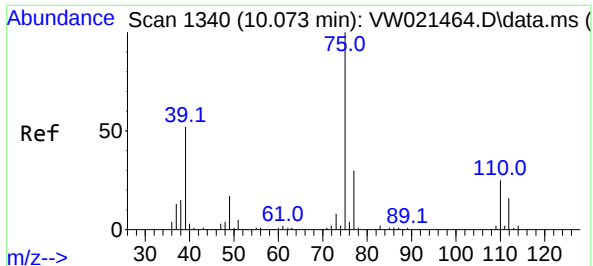
Tgt Ion: 95 Resp: 6313  
Ion Ratio Lower Upper  
95 100  
97 0.0 47.0 87.2#  
132 0.0 65.5 121.6#  
130 0.0 69.4 128.8#



#37  
1,2-Dichloropropane  
Concen: 2.862 ug/L  
RT: 9.275 min Scan# 1209  
Delta R.T. -0.091 min  
Lab File: VW021507.D  
Acq: 20 Dec 2021 18:52

Tgt Ion: 63 Resp: 6846  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.036 min

Lab File: VW021507.D

Acq: 20 Dec 2021 18:52

Instrument :

MSVOA\_W

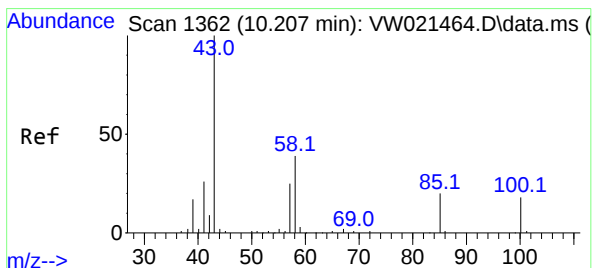
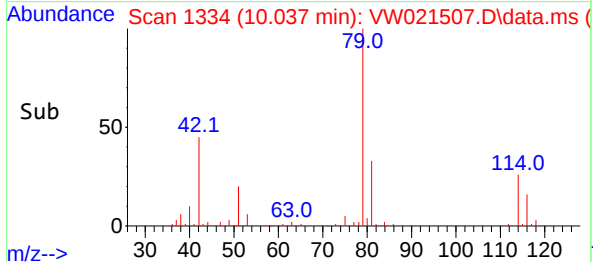
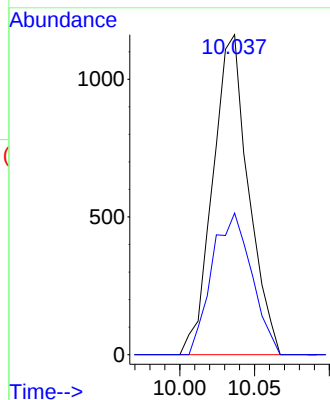
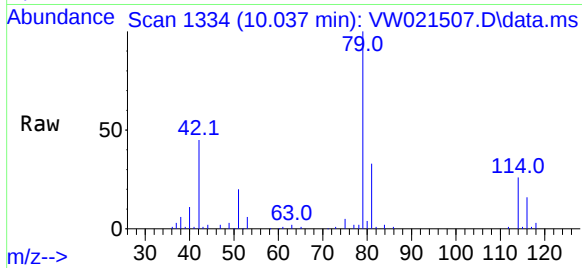
ClientSampleId :

Tgt Ion: 75 Resp: 1926

Ion Ratio Lower Upper

75 100

77 44.2 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 2.188 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW021507.D

Acq: 20 Dec 2021 18:52

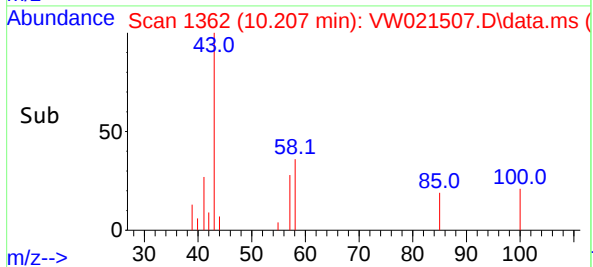
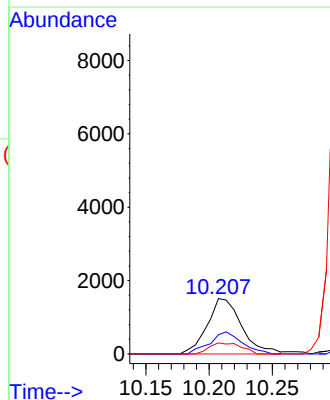
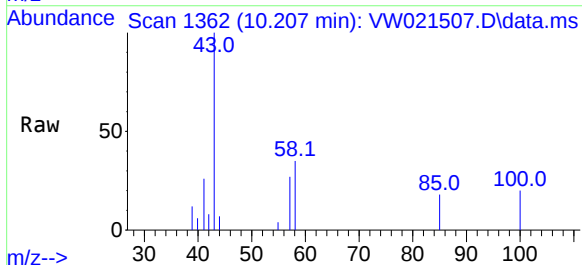
Tgt Ion: 43 Resp: 2851

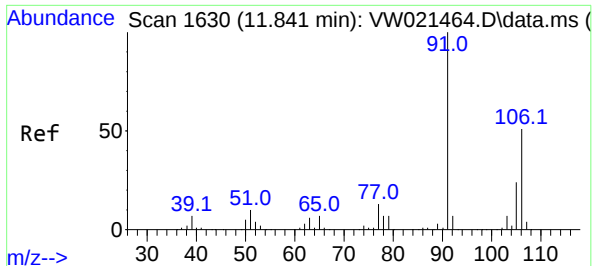
Ion Ratio Lower Upper

43 100

58 37.4 28.8 43.2

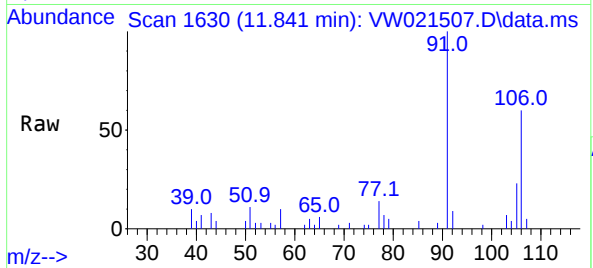
100 18.5 10.0 15.0#



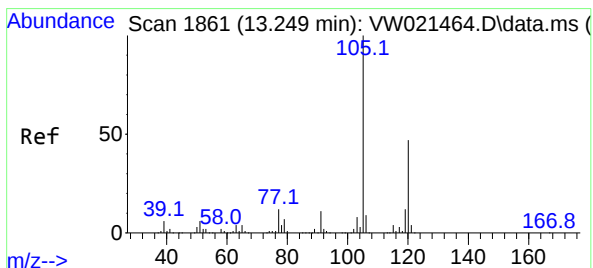
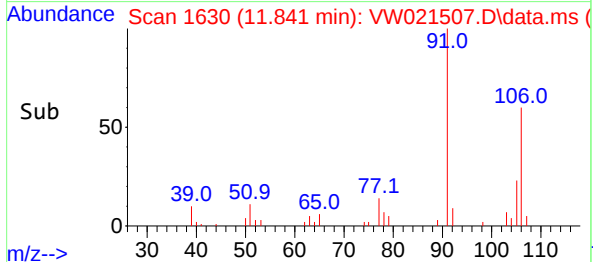
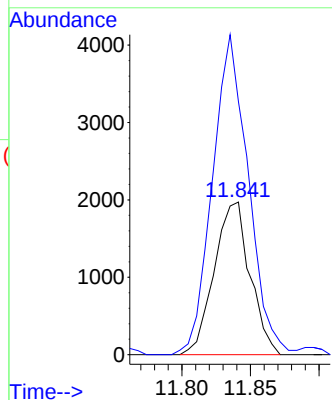


#53  
m,p-Xylene  
Concen: 0.620 ug/L  
RT: 11.841 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW021507.D  
Acq: 20 Dec 2021 18:52

Instrument :  
MSVOA\_W  
ClientSampleId :

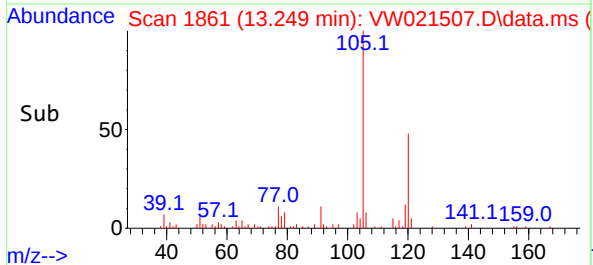
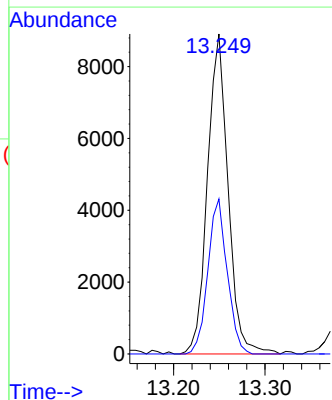
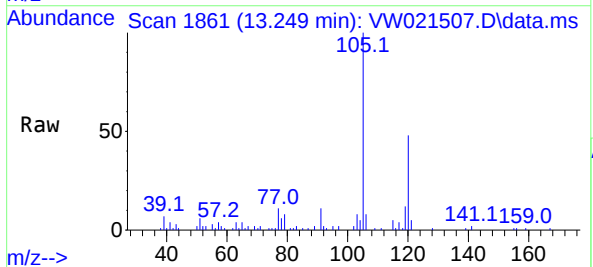


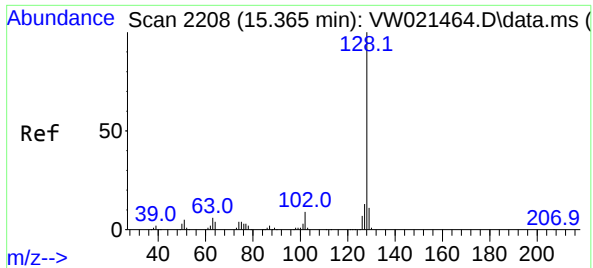
Tgt Ion:106 Resp: 3584  
Ion Ratio Lower Upper  
106 100  
91 165.7 149.9 278.3



#63  
1,2,4-Trimethylbenzene  
Concen: 1.057 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW021507.D  
Acq: 20 Dec 2021 18:52

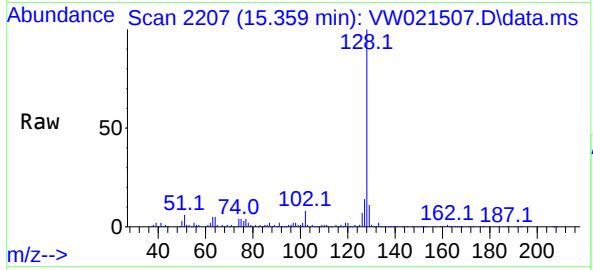
Tgt Ion:105 Resp: 13937  
Ion Ratio Lower Upper  
105 100  
120 45.4 35.0 52.6





#71  
Naphthalene  
Concen: 11.571 ug/L  
RT: 15.359 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW021507.D  
Acq: 20 Dec 2021 18:52

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion:128 Resp: 83739

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.7  | 10.7  | 16.1  |
| 129 | 11.0  | 8.6   | 12.8  |

