

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102023\  
 Data File : VW027379.D  
 Acq On : 20 Oct 2023 17:22  
 Operator : SY/MD  
 Sample : 04922-04  
 Misc : 4.82g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 21 04:31:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Oct 21 04:25:20 2023  
 Response via : Initial Calibration

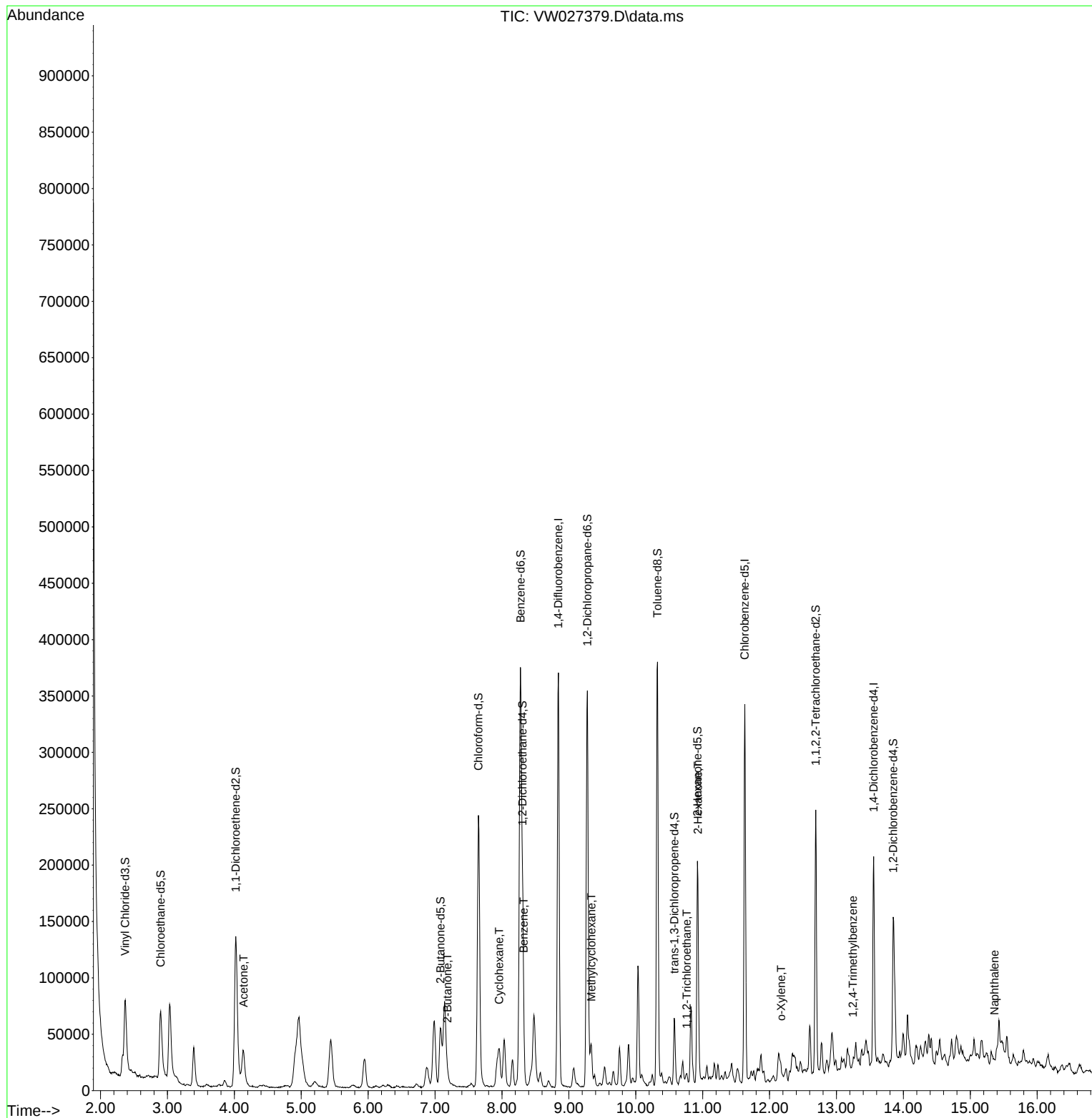
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 296526   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 170265   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 47751    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 97779    | 21.606   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.440%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 90487    | 27.847   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 111.400%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 49410    | 21.790   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.160%   |
| 21) 2-Butanone-d5             | 7.081  | 46    | 94959    | 63.131   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 126.260%  |
| 24) Chloroform-d              | 7.648  | 84    | 239735   | 27.126   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 108.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 122080   | 25.714   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.840%  |
| 32) Benzene-d6                | 8.276  | 84    | 371072   | 32.212   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 128.840%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 167540   | 47.616   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 190.480%# |
| 41) Toluene-d8                | 10.325 | 98    | 243188   | 23.280   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.120%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 30920    | 19.274   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 77.080%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 64400    | 88.465   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 176.940%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 113264   | 43.146   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 172.600%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 31197    | 18.029   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 72.120%#  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 13) Acetone                   | 4.137  | 43    | 52935    | 40.746   | ug/L   | 95        |
| 22) 2-Butanone                | 7.185  | 43    | 15324    | 7.880    | ug/L   | 100       |
| 29) Cyclohexane               | 7.959  | 56    | 22641    | 4.380    | ug/L   | 94        |
| 33) Benzene                   | 8.325  | 78    | 8898     | 0.800    | ug/L   | 100       |
| 35) Methylcyclohexane         | 9.337  | 83    | 11603    | 2.207    | ug/L # | 70        |
| 45) 1,1,2-Trichloroethane     | 10.764 | 97    | 3284     | 1.586    | ug/L # | 29        |
| 48) 2-Hexanone                | 10.928 | 43    | 17632    | 11.513   | ug/L # | 61        |
| 54) o-Xylene                  | 12.172 | 106   | 2763     | 0.561    | ug/L   | 68        |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105   | 3363     | 0.549    | ug/L   | 89        |
| 71) Naphthalene               | 15.360 | 128   | 2749     | 0.795    | ug/L # | 87        |
| -----                         |        |       |          |          |        |           |

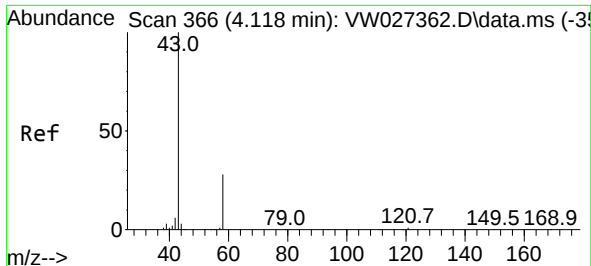
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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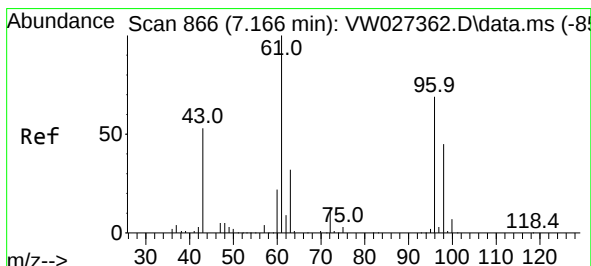
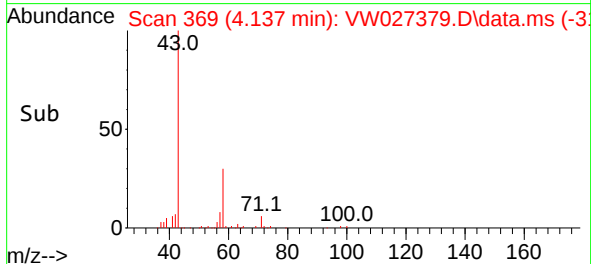
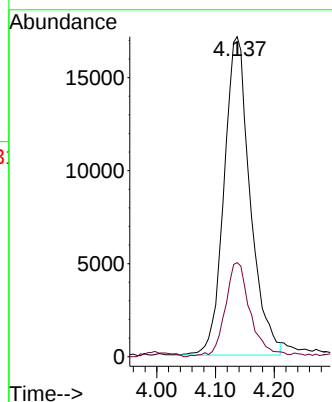
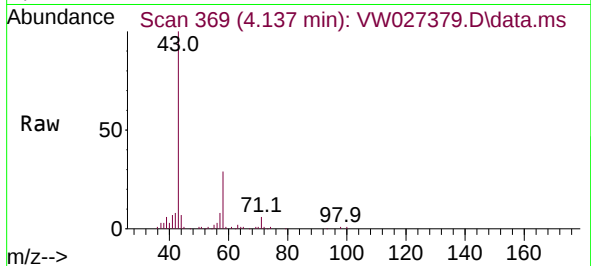




#13  
Acetone  
Concen: 40.746 ug/L  
RT: 4.137 min Scan# 369  
Delta R.T. 0.019 min  
Lab File: VW027379.D  
Acq: 20 Oct 2023 17:22

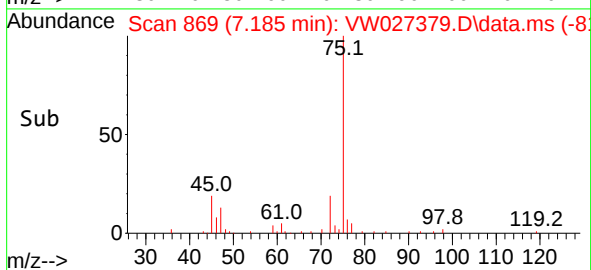
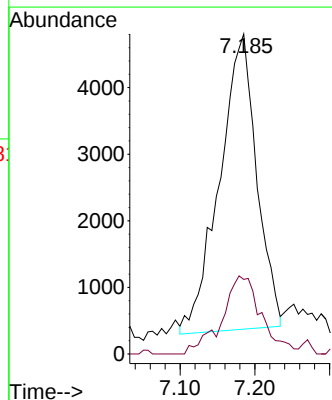
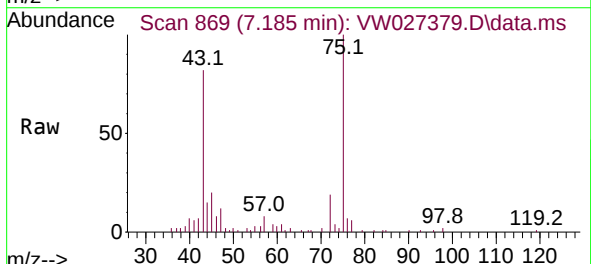
Instrument :  
MSVOA\_W  
ClientSampleId :

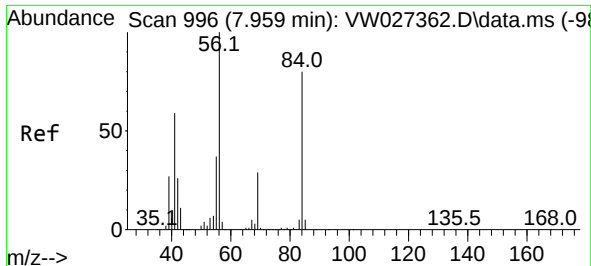
Tgt Ion: 43 Resp: 52935  
Ion Ratio Lower Upper  
43 100  
58 27.6 0.0 60.8



#22  
2-Butanone  
Concen: 7.880 ug/L  
RT: 7.185 min Scan# 869  
Delta R.T. 0.019 min  
Lab File: VW027379.D  
Acq: 20 Oct 2023 17:22

Tgt Ion: 43 Resp: 15324  
Ion Ratio Lower Upper  
43 100  
72 24.4 12.3 36.8





#29

Cyclohexane

Concen: 4.380 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW027379.D

Acq: 20 Oct 2023 17:22

Instrument :

MSVOA\_W

ClientSampleId :

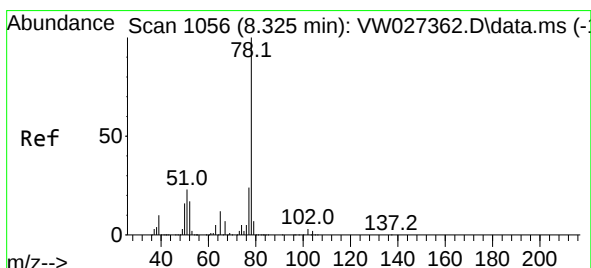
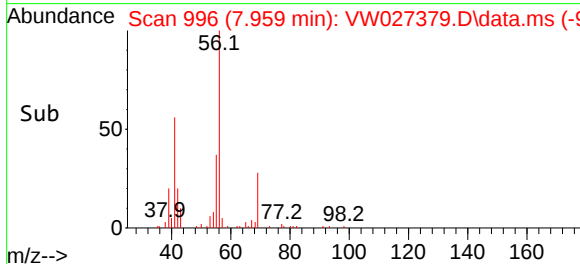
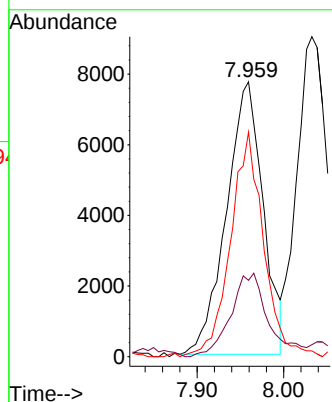
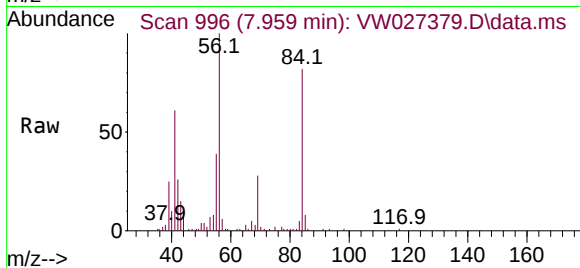
Tgt Ion: 56 Resp: 22641

Ion Ratio Lower Upper

56 100

69 29.4 24.2 36.4

84 74.3 65.1 97.7



#33

Benzene

Concen: 0.800 ug/L

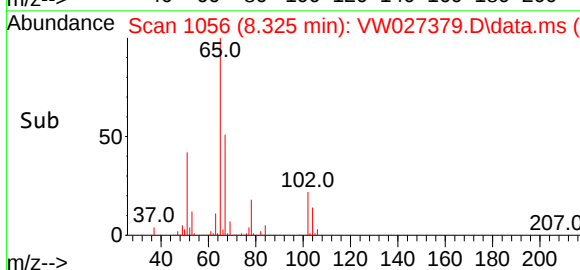
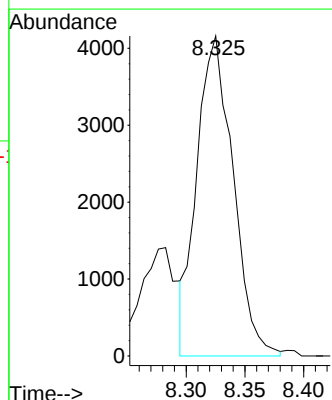
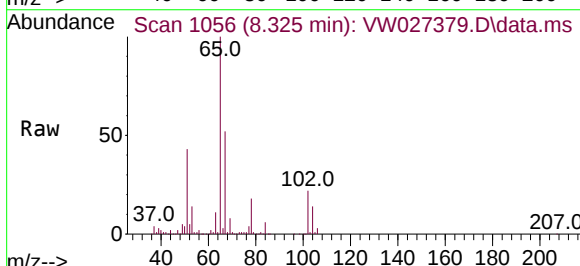
RT: 8.325 min Scan# 1056

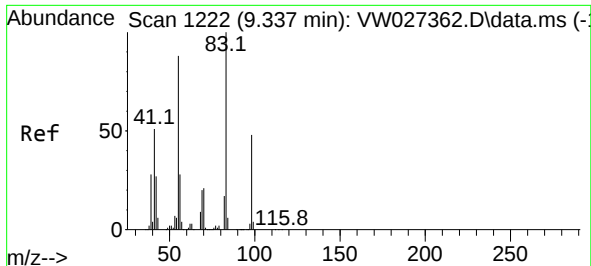
Delta R.T. 0.001 min

Lab File: VW027379.D

Acq: 20 Oct 2023 17:22

Tgt Ion: 78 Resp: 8898





#35

Methylcyclohexane

Concen: 2.207 ug/L

RT: 9.337 min Scan# 11

Delta R.T. 0.001 min

Lab File: VW027379.D

Acq: 20 Oct 2023 17:22

Instrument :

MSVOA\_W

ClientSampleId :

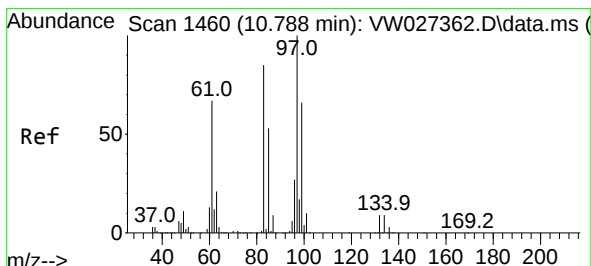
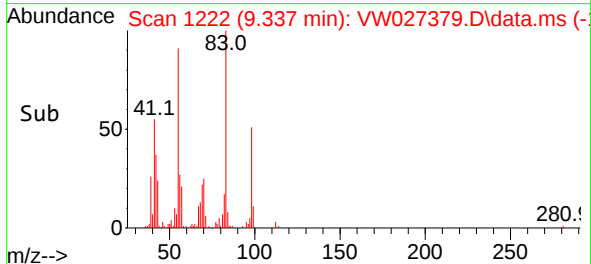
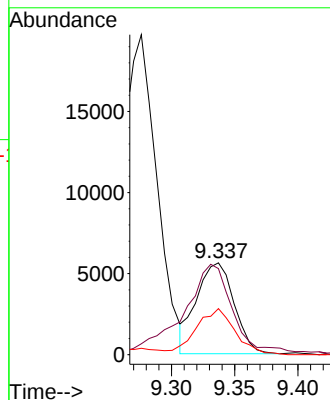
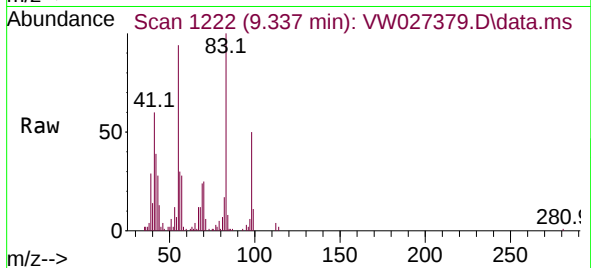
Tgt Ion: 83 Resp: 11603

Ion Ratio Lower Upper

83 100

55 121.3 65.8 98.8#

98 52.4 38.1 57.1



#45

1,1,2-Trichloroethane

Concen: 1.586 ug/L

RT: 10.764 min Scan# 1456

Delta R.T. -0.024 min

Lab File: VW027379.D

Acq: 20 Oct 2023 17:22

Tgt Ion: 97 Resp: 3284

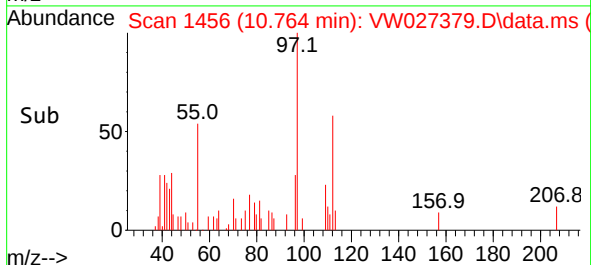
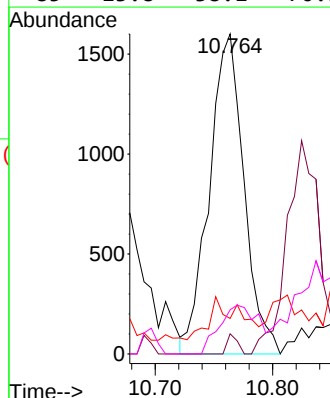
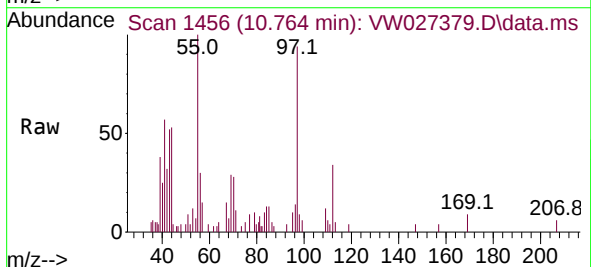
Ion Ratio Lower Upper

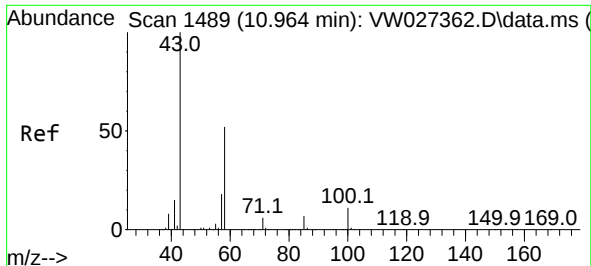
97 100

99 6.3 43.8 81.4#

83 11.1 57.5 106.7#

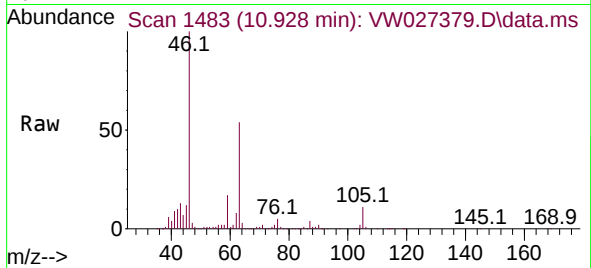
85 13.8 38.1 70.9#



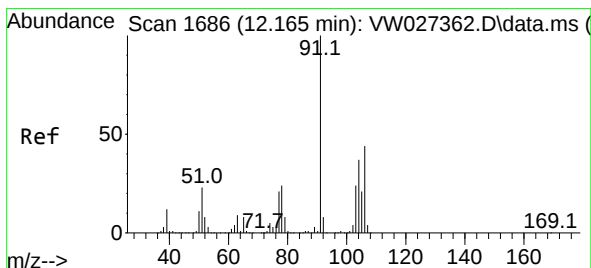
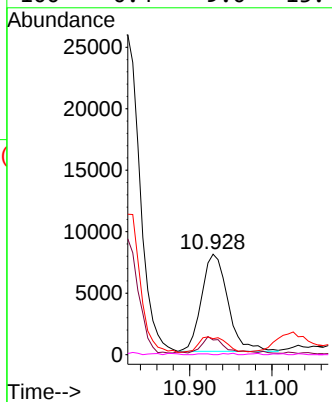
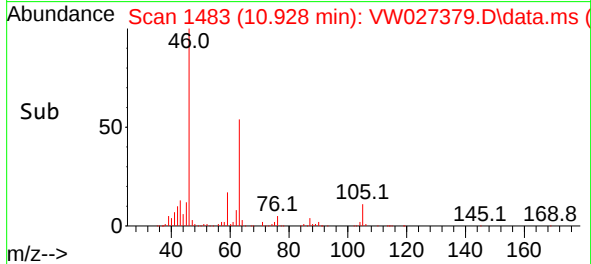


#48  
2-Hexanone  
Concen: 11.513 ug/L  
RT: 10.928 min Scan# 1483  
Delta R.T. -0.036 min  
Lab File: VW027379.D  
Acq: 20 Oct 2023 17:22

Instrument :  
MSVOA\_W  
ClientSampleId :

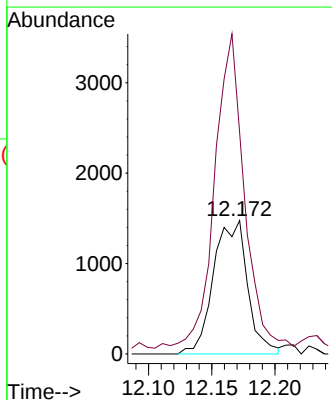
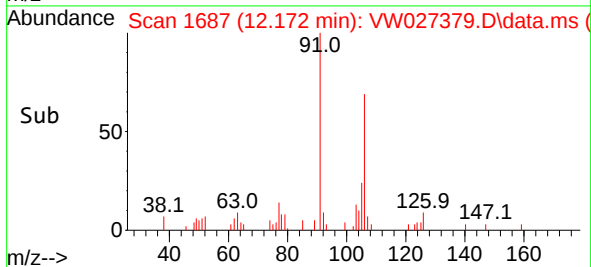
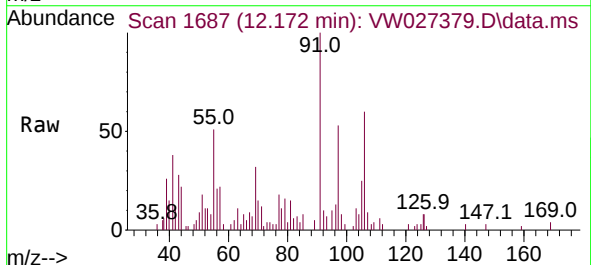


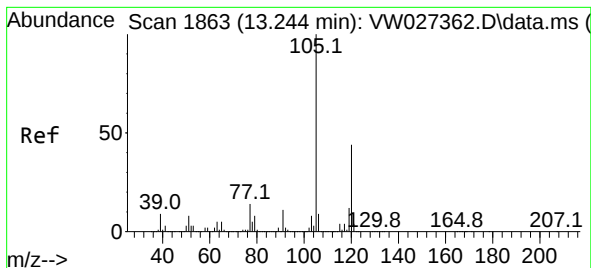
Tgt Ion: 43 Resp: 17632  
Ion Ratio Lower Upper  
43 100  
58 15.3 42.2 63.4#  
57 16.7 15.1 22.7  
100 0.4 9.0 13.4#



#54  
o-Xylene  
Concen: 0.561 ug/L  
RT: 12.172 min Scan# 1687  
Delta R.T. 0.007 min  
Lab File: VW027379.D  
Acq: 20 Oct 2023 17:22

Tgt Ion: 106 Resp: 2763  
Ion Ratio Lower Upper  
106 100  
91 165.9 152.0 282.2





#63

1,2,4-Trimethylbenzene

Concen: 0.549 ug/L

RT: 13.245 min Scan# 11

Delta R.T. 0.001 min

Lab File: VW027379.D

Acq: 20 Oct 2023 17:22

Instrument :

MSVOA\_W

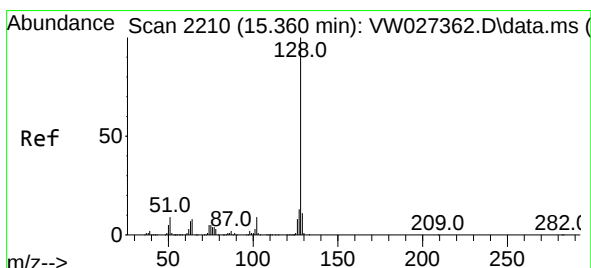
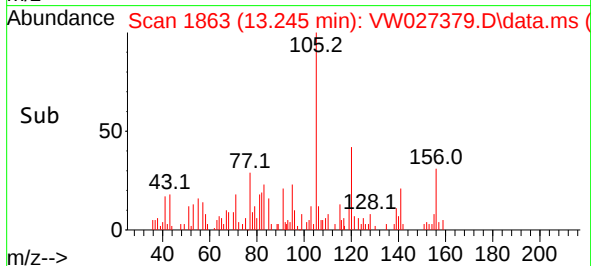
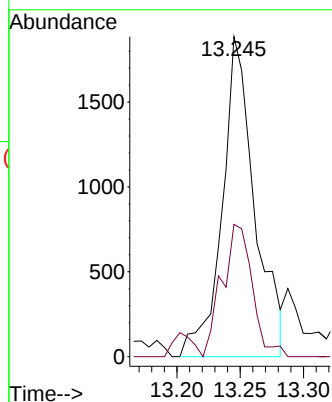
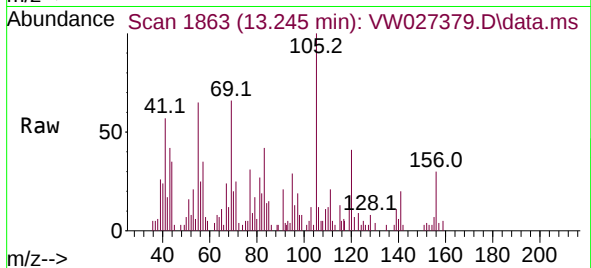
ClientSampleId :

Tgt Ion:105 Resp: 3363

Ion Ratio Lower Upper

105 100

120 37.2 35.4 53.2



#71

Naphthalene

Concen: 0.795 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.001 min

Lab File: VW027379.D

Acq: 20 Oct 2023 17:22

Tgt Ion:128 Resp: 2749

Ion Ratio Lower Upper

128 100

127 8.2 10.0 15.0#

129 4.4 8.5 12.7#

