

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070723\  
 Data File : VW026570.D  
 Acq On : 07 Jul 2023 15:29  
 Operator : SY/MD  
 Sample : 03551-05MS  
 Misc : 8.11g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 08 05:40:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jul 08 05:36:55 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 31729    | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.635 | 117   | 20625    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 7163     | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.350  | 65    | 49503    | 103.757  | ug/L   | -0.01     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 415.040%# |
| 7) Chloroethane-d5            | 2.899  | 69    | 40210    | 101.871  | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 407.480%# |
| 11) 1,1-Dichloroethene-d2     | 4.039  | 65    | 23477    | 105.500  | ug/L   | 0.02      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 422.000%# |
| 21) 2-Butanone-d5             | 7.173  | 46    | 276      | 1.512    | ug/L   | 0.10      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 3.020%#   |
| 24) Chloroform-d              | 7.654  | 84    | 69772    | 74.640   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 298.560%# |
| 26) 1,2-Dichloroethane-d4     | 8.313  | 65    | 21552    | 39.640   | ug/L   | 0.01      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 158.560%# |
| 32) Benzene-d6                | 8.276  | 84    | 148004   | 112.549  | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 450.200%# |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 38197    | 91.105   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 364.440%# |
| 41) Toluene-d8                | 10.324 | 98    | 118794   | 100.625  | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 402.520%# |
| 43) trans-1,3-Dichloroprop... | 10.580 | 79    | 7819     | 45.982   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 183.920%# |
| 47) 2-Hexanone-d5             | 11.080 | 63    | 103      | 1.234    | ug/L   | 0.16      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 2.460%#   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 13674    | 37.273   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 149.080%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 16584    | 58.295   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 233.200%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.003  | 85    | 31620    | 87.437   | ug/L   | 95        |
| 3) Chloromethane              | 2.210  | 50    | 23672    | 40.479   | ug/L   | 94        |
| 5) Vinyl chloride             | 2.369  | 62    | 33708    | 58.526   | ug/L   | 99        |
| 6) Bromomethane               | 2.795  | 94    | 13565    | 40.340   | ug/L   | 98        |
| 8) Chloroethane               | 2.936  | 64    | 17945    | 51.724   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 3.277  | 101   | 41942    | 113.287  | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 28447    | 65.716   | ug/L # | 84        |
| 12) 1,1-Dichloroethene        | 4.057  | 96    | 21774    | 54.384   | ug/L   | 86        |
| 13) Acetone                   | 4.124  | 43    | 190353   | 1681.588 | ug/L   | 100       |
| 14) Carbon disulfide          | 4.399  | 76    | 65314    | 51.386   | ug/L   | 100       |
| 15) Methyl Acetate            | 4.661  | 43    | 253      | 0.898    | ug/L # | 58        |
| 16) Methylene chloride        | 4.929  | 84    | 17763    | 31.414   | ug/L   | 88        |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 19198    | 42.608   | ug/L   | 91        |
| 18) Methyl tert-butyl Ether   | 5.417  | 73    | 4751     | 6.031    | ug/L # | 91        |
| 19) 1,1-Dichloroethane        | 6.221  | 63    | 34507    | 35.563   | ug/L   | 100       |
| 20) cis-1,2-Dichloroethene    | 7.179  | 96    | 15059    | 29.131   | ug/L   | 91        |
| 22) 2-Butanone                | 7.179  | 43    | 9124     | 43.306   | ug/L   | 94        |
| 23) Bromochloromethane        | 7.526  | 128   | 4282     | 20.001   | ug/L # | 72        |
| 25) Chloroform                | 7.685  | 83    | 28493    | 32.768   | ug/L   | 100       |

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 Operator : SY/MD  
 Sample : 03551-05MS  
 Misc : 8.11g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

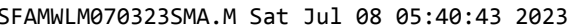
Instrument :  
 MSVOA\_W  
 ClientSampleId :

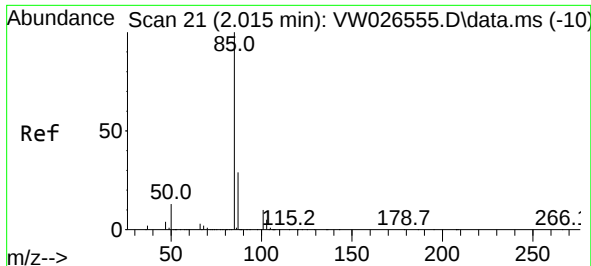
Quant Time: Jul 08 05:40:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jul 08 05:36:55 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.410  | 62   | 10938    | 17.071 | ug/L # | 88       |
| 29) Cyclohexane               | 7.959  | 56   | 42872    | 74.613 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.880  | 97   | 34663    | 74.697 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 31081    | 74.290 | ug/L   | 99       |
| 33) Benzene                   | 8.331  | 78   | 77511    | 58.030 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 21244    | 62.357 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.343  | 83   | 38328    | 65.864 | ug/L   | 92       |
| 37) 1,2-Dichloropropane       | 9.373  | 63   | 15188    | 41.505 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.648  | 83   | 14485    | 33.547 | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 13870    | 25.706 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.215 | 43   | 2880     | 10.171 | ug/L # | 74       |
| 42) Toluene                   | 10.391 | 91   | 66621    | 49.002 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.611 | 75   | 8911     | 19.706 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 5730     | 21.302 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.861 | 164  | 20453    | 85.556 | ug/L   | 83       |
| 48) 2-Hexanone                | 10.977 | 43   | 702      | 3.555  | ug/L # | 47       |
| 49) Dibromochloromethane      | 11.129 | 129  | 5926     | 21.988 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 4221     | 17.111 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.660 | 112  | 30382    | 34.189 | ug/L   | 92       |
| 52) Ethylbenzene              | 11.733 | 91   | 63378    | 39.476 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 22477    | 38.289 | ug/L   | 86       |
| 54) o-Xylene                  | 12.166 | 106  | 18604    | 32.709 | ug/L   | 84       |
| 55) Styrene                   | 12.184 | 104  | 24821    | 25.519 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 5125     | 14.553 | ug/L # | 97       |
| 59) Bromoform                 | 12.348 | 173  | 2717     | 24.180 | ug/L # | 93       |
| 60) Isopropylbenzene          | 12.464 | 105  | 64242    | 58.475 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 3598     | 19.280 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 37538    | 41.440 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 30494    | 34.995 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.501 | 146  | 15603    | 33.382 | ug/L   | 85       |
| 65) 1,4-Dichlorobenzene       | 13.580 | 146  | 13937    | 29.904 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 10425    | 23.676 | ug/L # | 88       |
| 68) 1,2-Dibromo-3-chloropr... | 14.622 | 75   | 1736     | 36.888 | ug/L # | 7        |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 6016     | 19.350 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.135 | 180  | 2222     | 8.761  | ug/L   | 94       |
| 71) Naphthalene               | 15.360 | 128  | 880      | 1.550  | ug/L # | 82       |
| 72) 1,2,3-Trichlorobenzene    | 15.555 | 180  | 743      | 3.279  | ug/L # | 72       |

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

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Response via : Initial Calibration

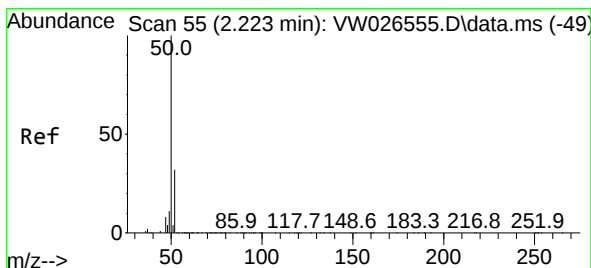
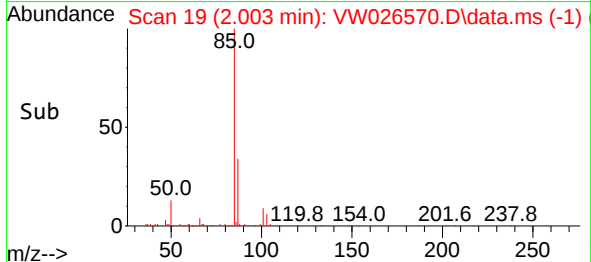
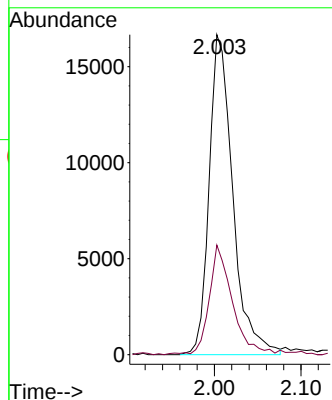
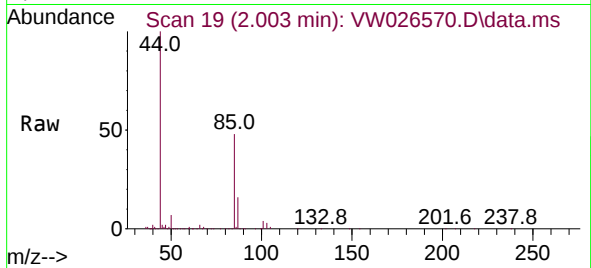




#2  
 Dichlorodifluoromethane  
 Concen: 87.437 ug/L  
 RT: 2.003 min Scan# 19  
 Delta R.T. -0.013 min  
 Lab File: VW026570.D  
 Acq: 07 Jul 2023 15:29

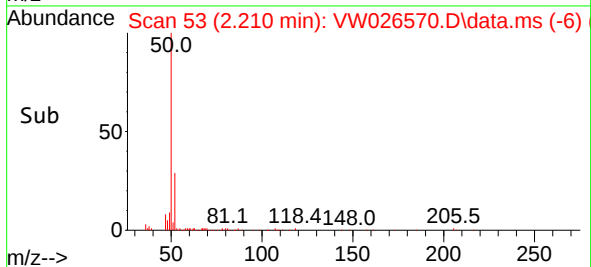
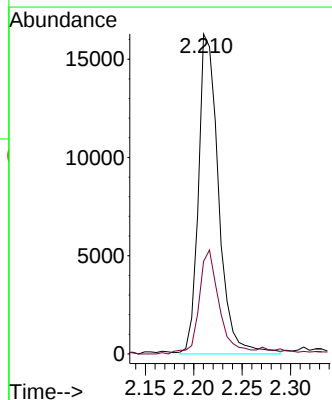
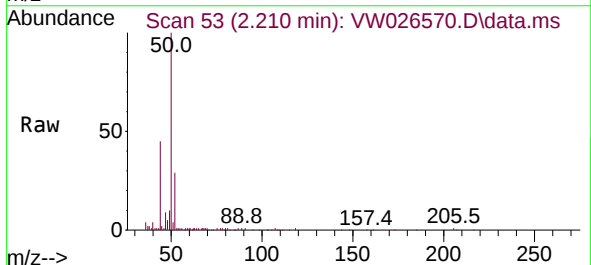
Instrument :  
 MSVOA\_W  
 ClientSampleId :

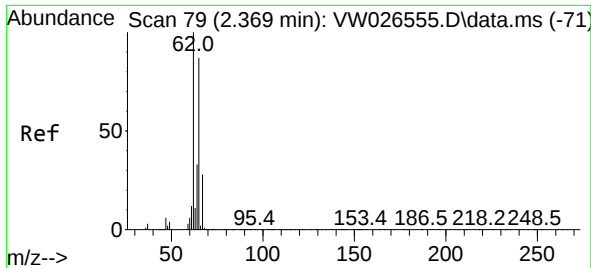
Tgt Ion: 85 Resp: 31620  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 23.8 35.8



#3  
 Chloromethane  
 Concen: 40.479 ug/L  
 RT: 2.210 min Scan# 53  
 Delta R.T. -0.013 min  
 Lab File: VW026570.D  
 Acq: 07 Jul 2023 15:29

Tgt Ion: 50 Resp: 23672  
 Ion Ratio Lower Upper  
 50 100  
 52 28.9 22.7 42.1

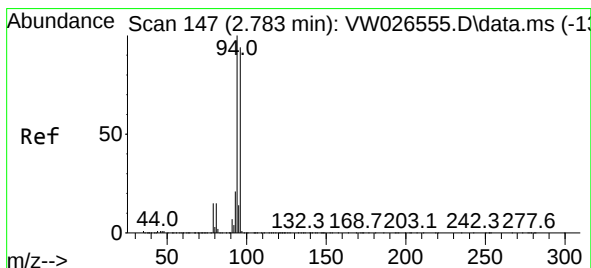
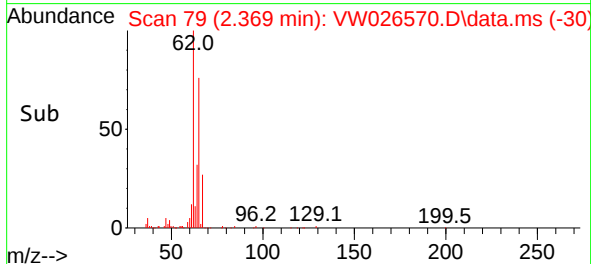
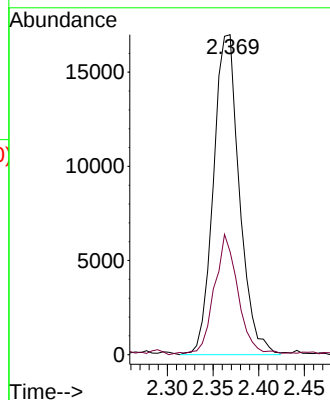
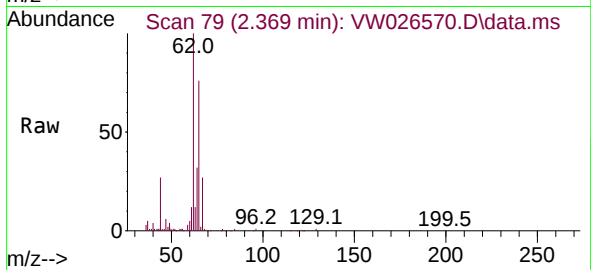




#5  
 Vinyl chloride  
 Concen: 58.526 ug/L  
 RT: 2.369 min Scan# 79  
 Delta R.T. -0.000 min  
 Lab File: VW026570.D  
 Acq: 07 Jul 2023 15:29

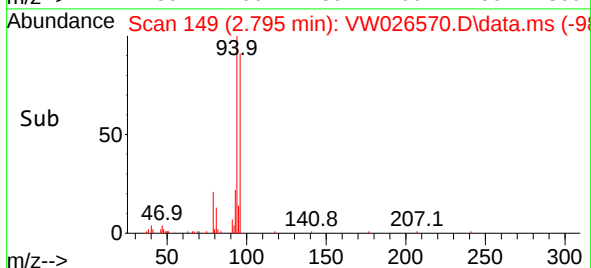
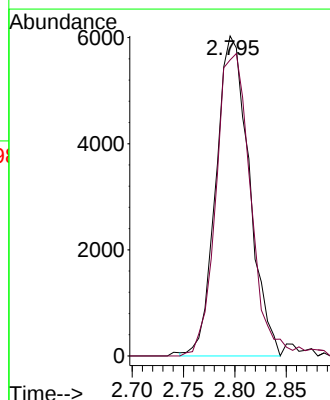
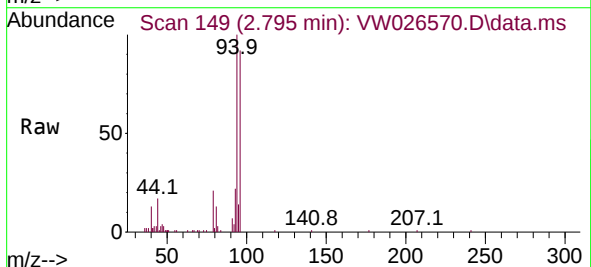
Instrument :  
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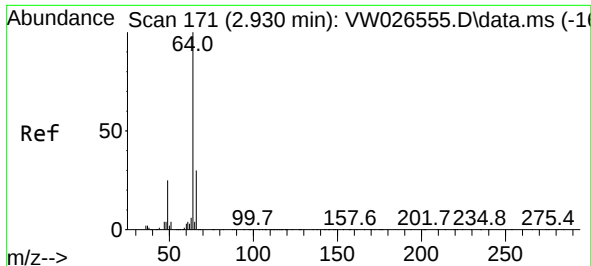
Tgt Ion: 62 Resp: 33708  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 22.1 41.1



#6  
 Bromomethane  
 Concen: 40.340 ug/L  
 RT: 2.795 min Scan# 149  
 Delta R.T. 0.012 min  
 Lab File: VW026570.D  
 Acq: 07 Jul 2023 15:29

Tgt Ion: 94 Resp: 13565  
 Ion Ratio Lower Upper  
 94 100  
 96 92.5 66.3 123.1

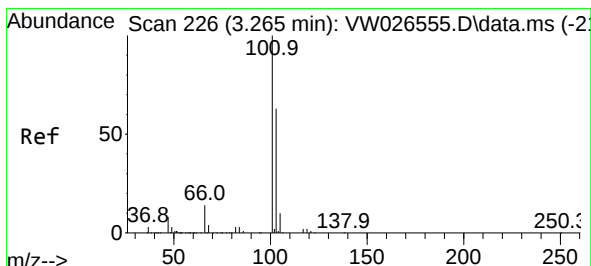
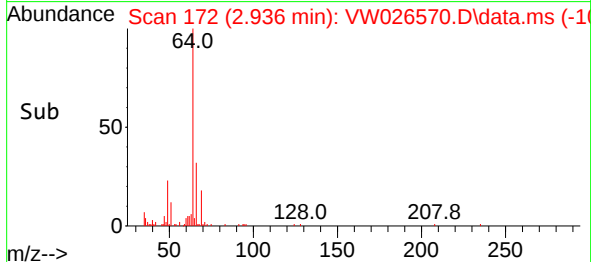
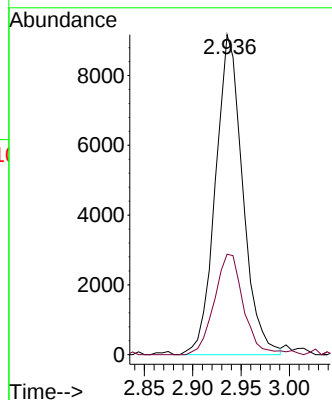
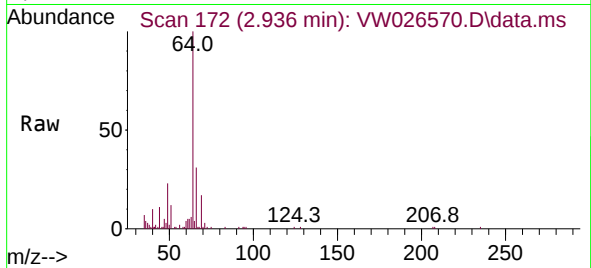




#8  
Chloroethane  
Concen: 51.724 ug/L  
RT: 2.936 min Scan# 171  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

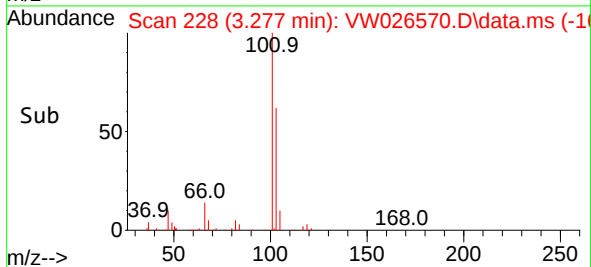
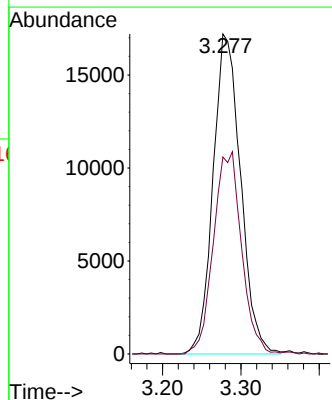
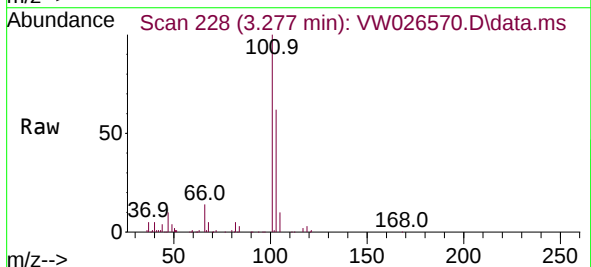
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ClientSampleId :

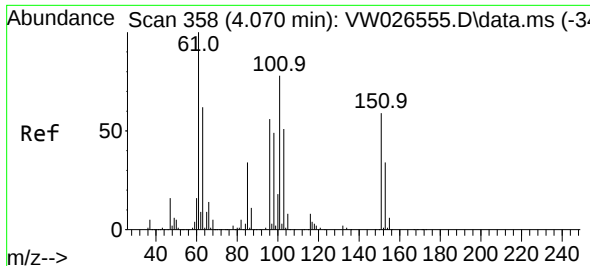
Tgt Ion: 64 Resp: 17945  
Ion Ratio Lower Upper  
64 100  
66 31.4 21.6 40.2



#9  
Trichlorofluoromethane  
Concen: 113.287 ug/L  
RT: 3.277 min Scan# 228  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 101 Resp: 41942  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.8 77.8

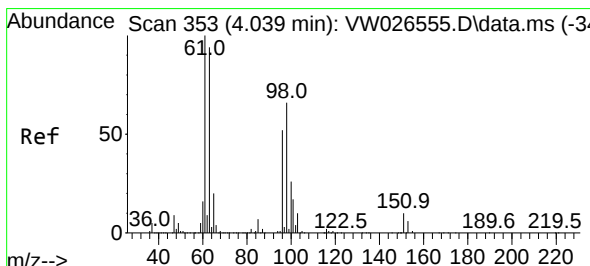
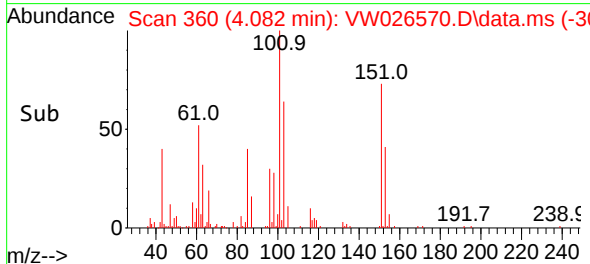
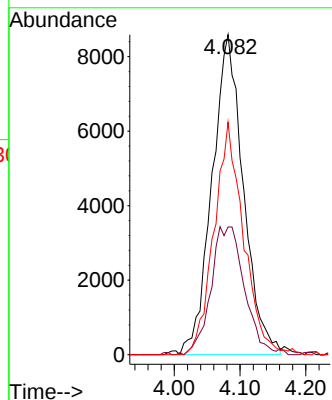
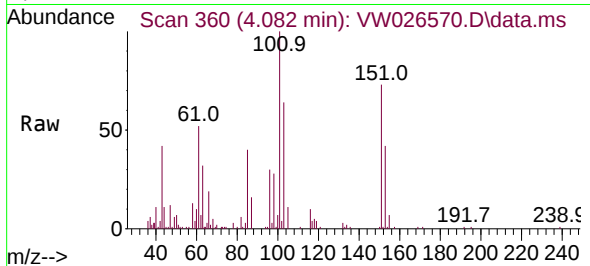




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 65.716 ug/L  
 RT: 4.082 min Scan# 30  
 Delta R.T. 0.012 min  
 Lab File: VW026570.D  
 Acq: 07 Jul 2023 15:29

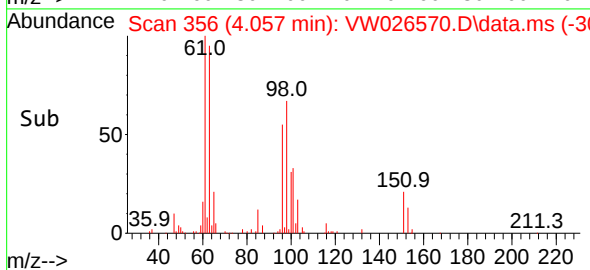
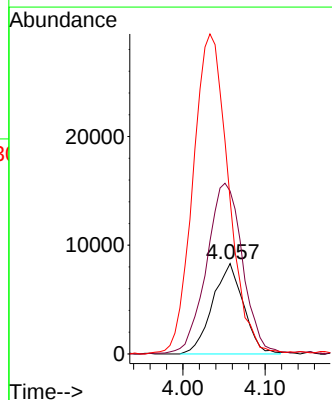
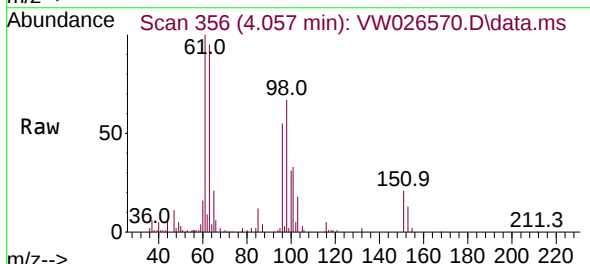
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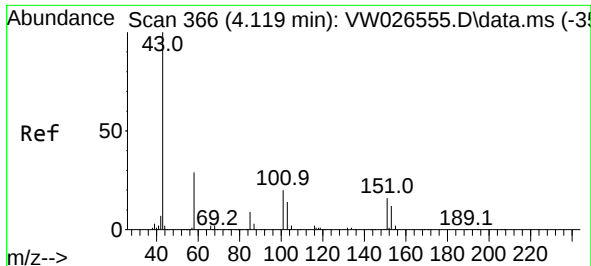
Tgt Ion:101 Resp: 28447  
 Ion Ratio Lower Upper  
 101 100  
 85 19.1 35.4 53.0#  
 151 68.4 55.2 82.8



#12  
 1,1-Dichloroethene  
 Concen: 54.384 ug/L  
 RT: 4.057 min Scan# 356  
 Delta R.T. 0.018 min  
 Lab File: VW026570.D  
 Acq: 07 Jul 2023 15:29

Tgt Ion: 96 Resp: 21774  
 Ion Ratio Lower Upper  
 96 100  
 61 180.2 142.9 265.5  
 63 170.4 132.7 246.5

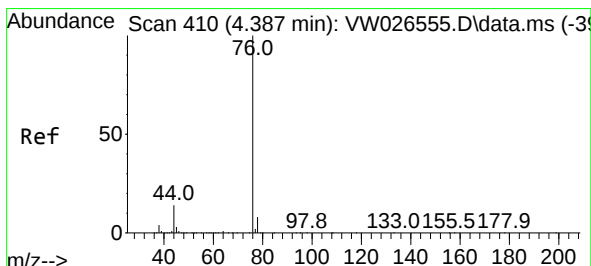
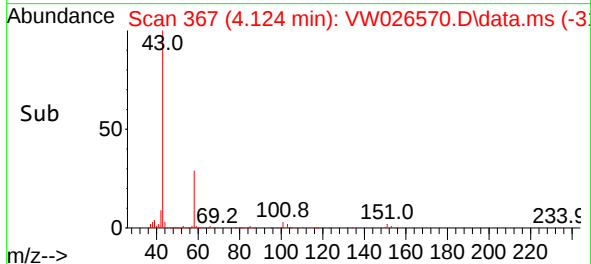
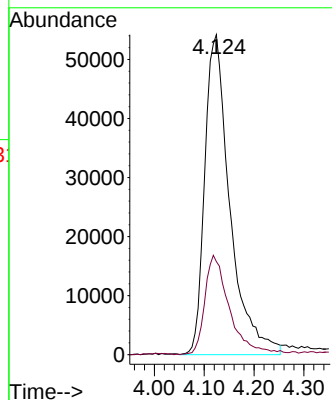
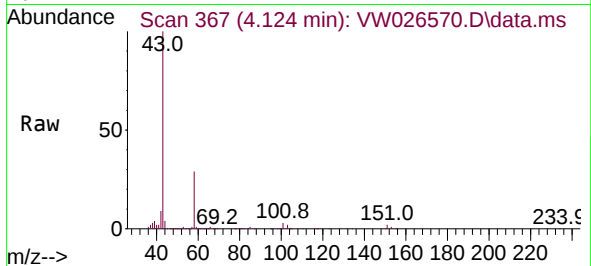




#13  
Acetone  
Concen: 1681.588 ug/L  
RT: 4.124 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

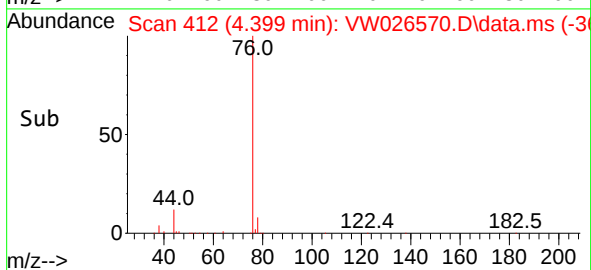
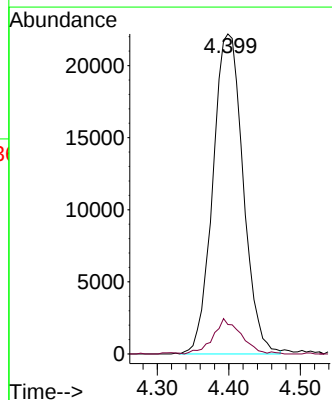
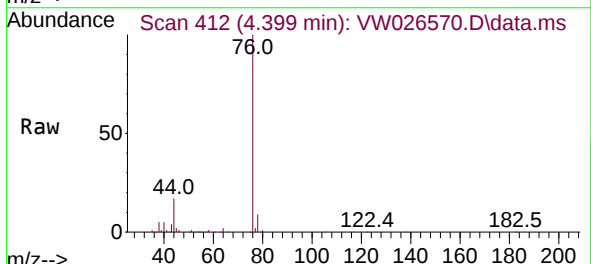
Instrument :  
MSVOA\_W  
ClientSampleId :

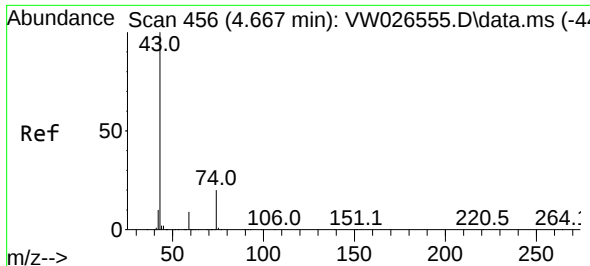
Tgt Ion: 43 Resp: 190353  
Ion Ratio Lower Upper  
43 100  
58 29.9 0.0 59.6



#14  
Carbon disulfide  
Concen: 51.386 ug/L  
RT: 4.399 min Scan# 412  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 76 Resp: 65314  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8

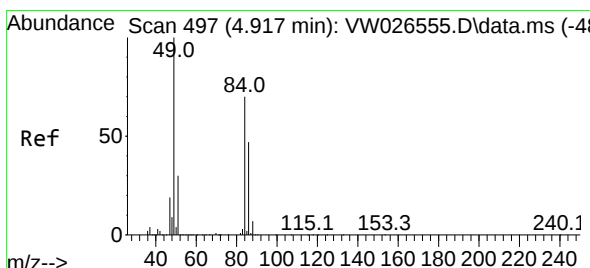
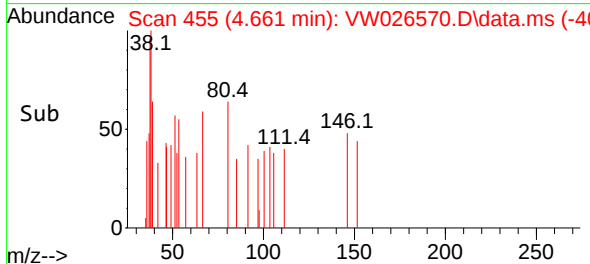
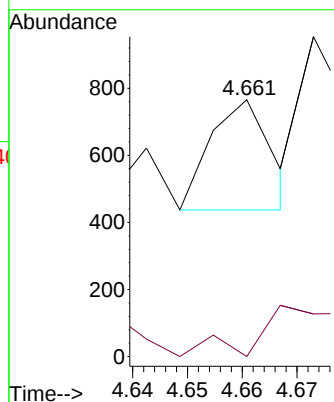
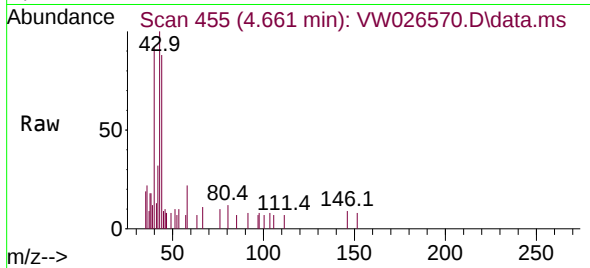




#15  
Methyl Acetate  
Concen: 0.898 ug/L  
RT: 4.661 min Scan# 455  
Delta R.T. -0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

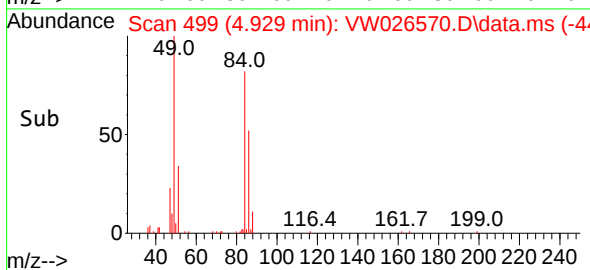
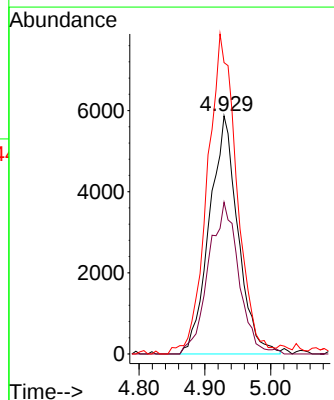
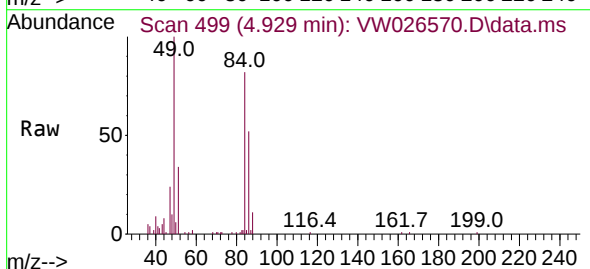
Instrument :  
MSVOA\_W  
ClientSampleId :

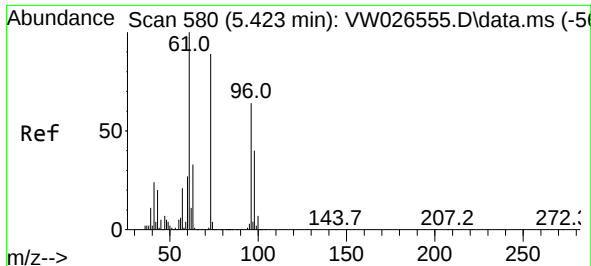
Tgt Ion: 43 Resp: 253  
Ion Ratio Lower Upper  
43 100  
74 40.3 16.6 24.8#



#16  
Methylene chloride  
Concen: 31.414 ug/L  
RT: 4.929 min Scan# 499  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

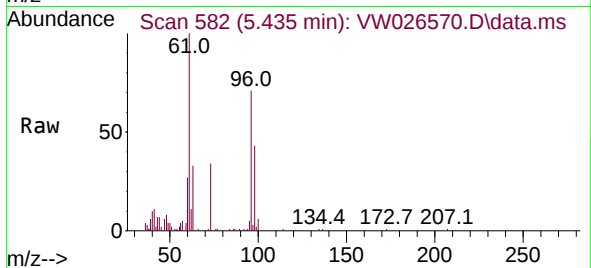
Tgt Ion: 84 Resp: 17763  
Ion Ratio Lower Upper  
84 100  
86 63.7 43.3 80.5  
49 122.4 99.3 184.3



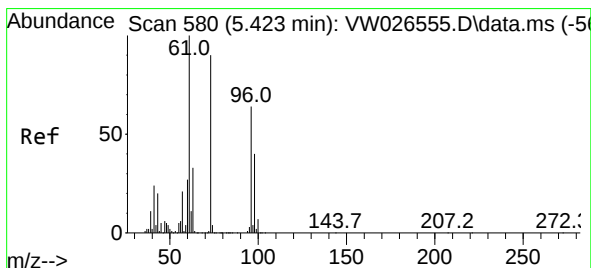
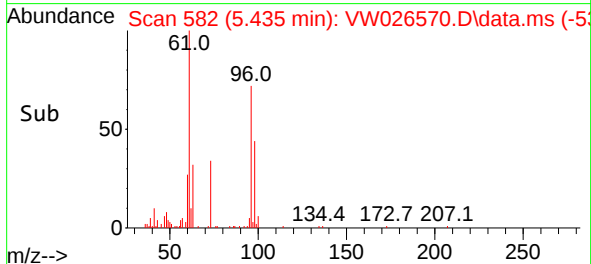
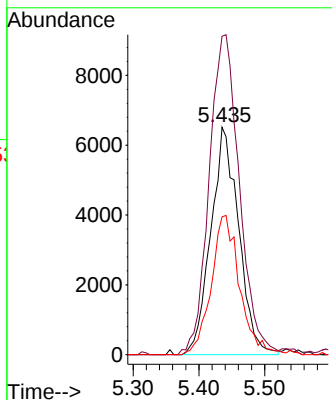


#17  
trans-1,2-Dichloroethene  
Concen: 42.608 ug/L  
RT: 5.435 min Scan# 519  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Instrument :  
MSVOA\_W  
ClientSampleId :

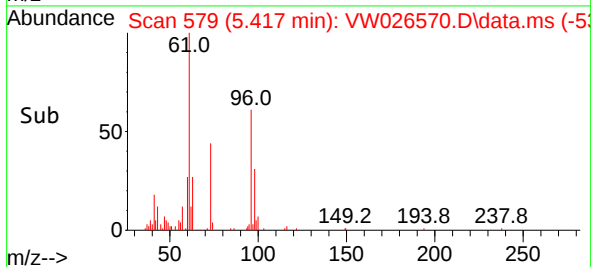
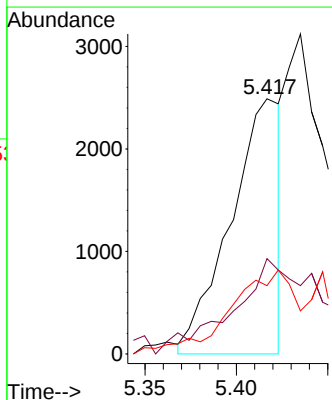
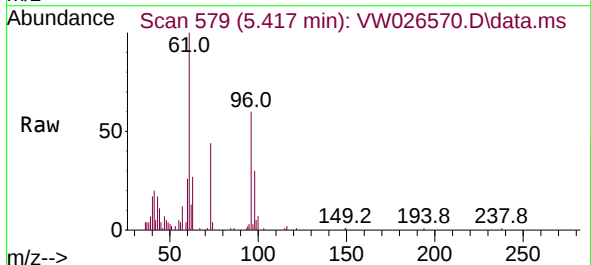


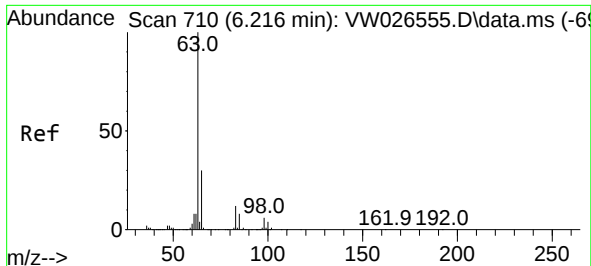
Tgt Ion: 96 Resp: 19198  
Ion Ratio Lower Upper  
96 100  
61 140.0 109.7 203.7  
98 60.7 42.5 78.9



#18  
Methyl tert-butyl Ether  
Concen: 6.031 ug/L  
RT: 5.417 min Scan# 579  
Delta R.T. -0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 73 Resp: 4751  
Ion Ratio Lower Upper  
73 100  
43 19.8 17.8 26.8  
57 17.8 18.8 28.2





#19

1,1-Dichloroethane

Concen: 35.563 ug/L

RT: 6.221 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

ClientSampleId :

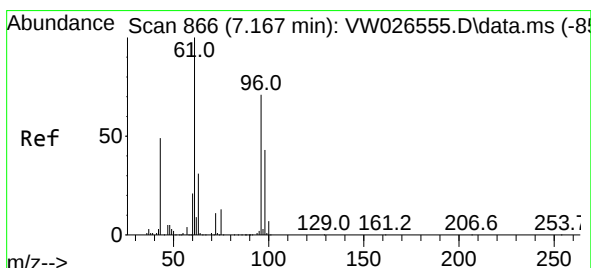
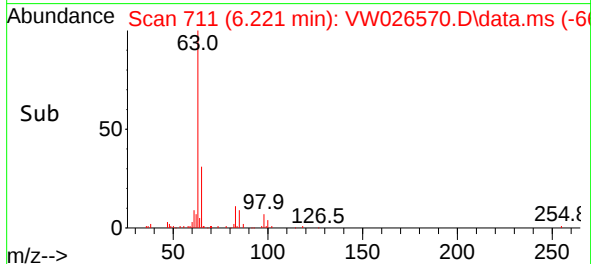
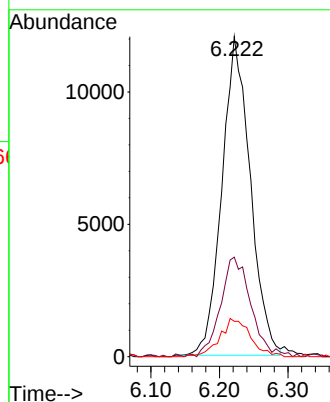
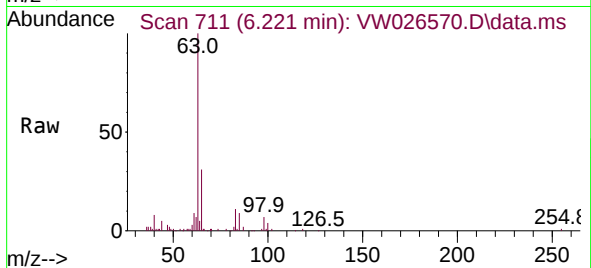
Tgt Ion: 63 Resp: 34507

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

83 12.0 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 29.131 ug/L

RT: 7.179 min Scan# 868

Delta R.T. 0.012 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

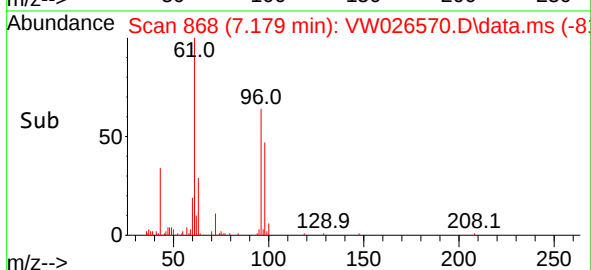
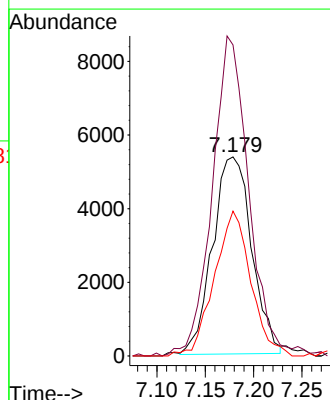
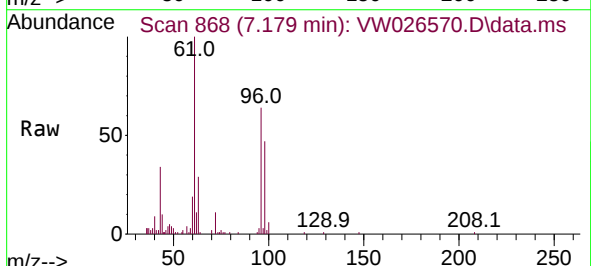
Tgt Ion: 96 Resp: 15059

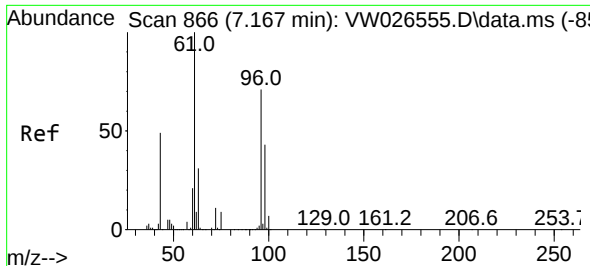
Ion Ratio Lower Upper

96 100

61 156.3 101.9 189.3

98 72.7 45.9 85.3

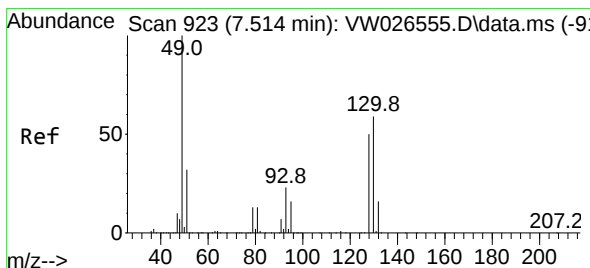
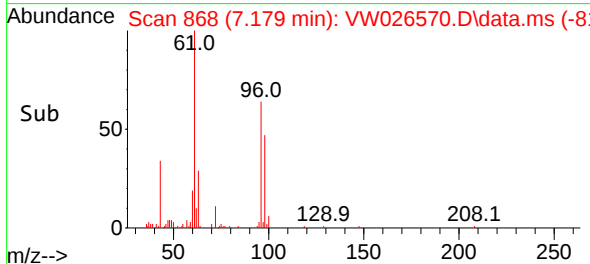
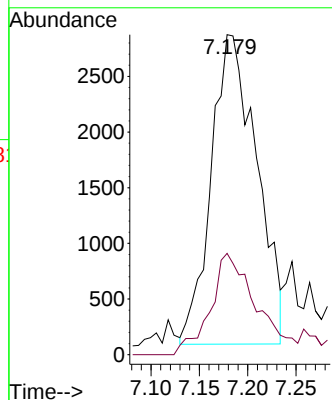
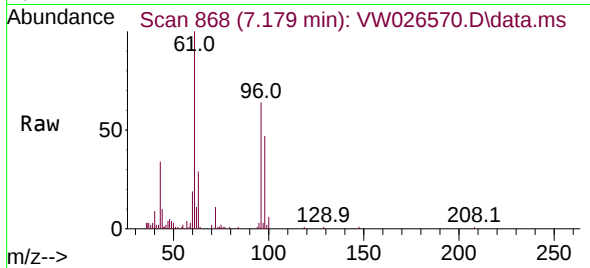




#22  
2-Butanone  
Concen: 43.306 ug/L  
RT: 7.179 min Scan# 868  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

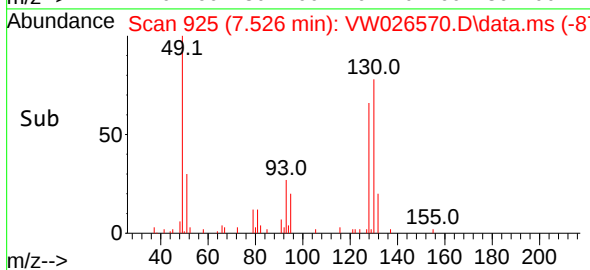
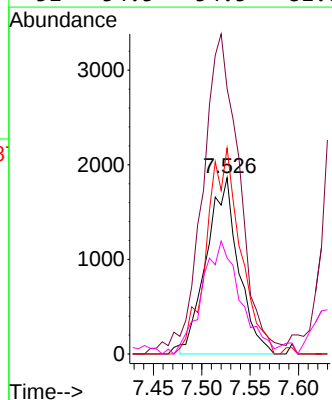
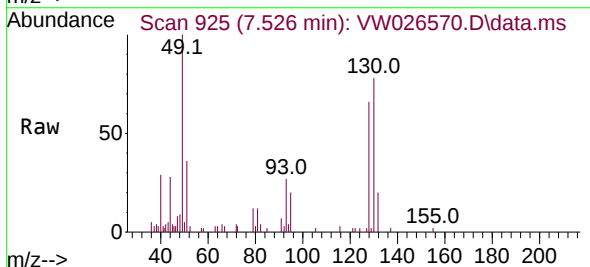
Instrument :  
MSVOA\_W  
ClientSampleId :

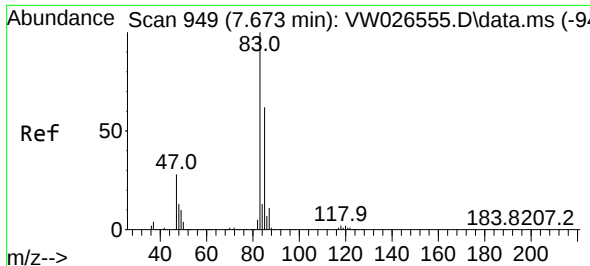
Tgt Ion: 43 Resp: 9124  
Ion Ratio Lower Upper  
43 100  
72 27.0 12.0 36.1



#23  
Bromochloromethane  
Concen: 20.001 ug/L  
RT: 7.526 min Scan# 925  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 128 Resp: 4282  
Ion Ratio Lower Upper  
128 100  
49 150.7 152.2 282.7#  
130 117.0 89.2 165.8  
51 54.5 54.5 81.7

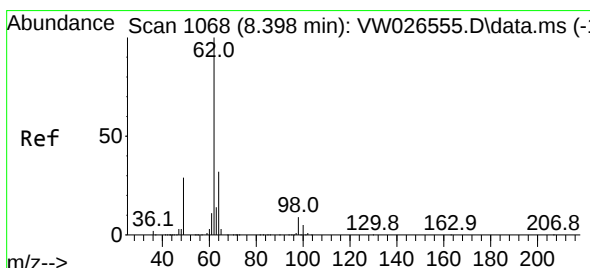
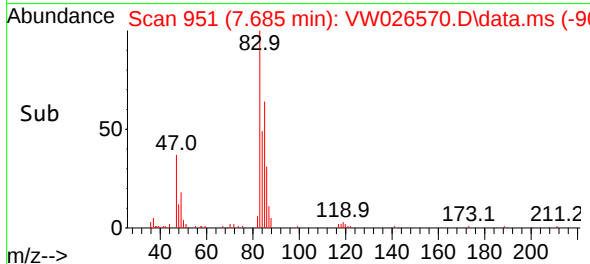
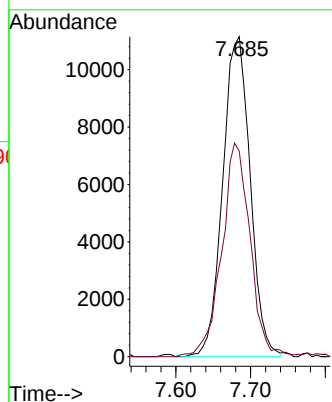
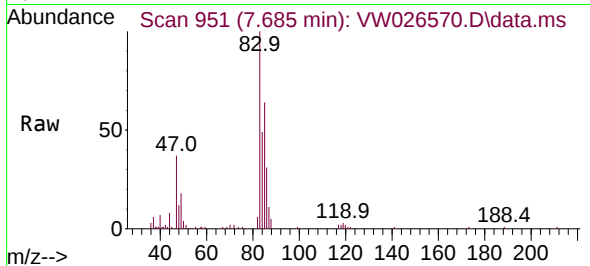




#25  
Chloroform  
Concen: 32.768 ug/L  
RT: 7.685 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

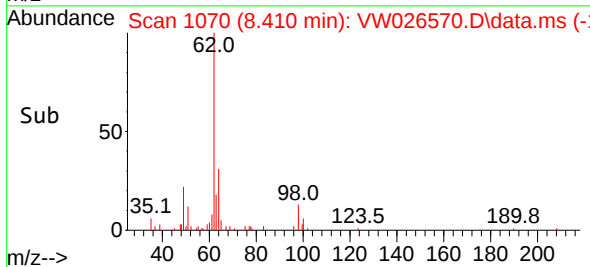
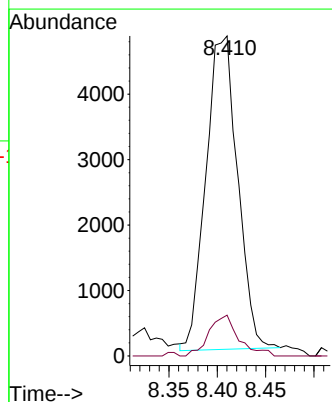
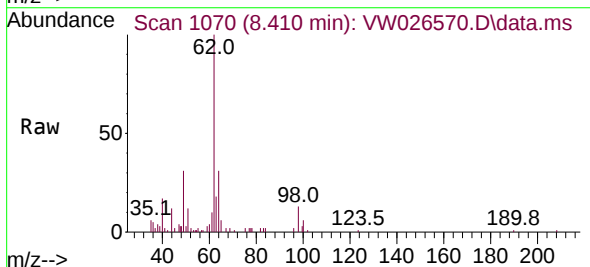
Instrument :  
MSVOA\_W  
ClientSampleId :

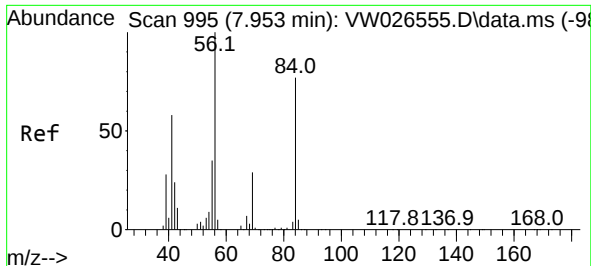
Tgt Ion: 83 Resp: 28493  
Ion Ratio Lower Upper  
83 100  
85 64.2 44.8 83.2



#27  
1,2-Dichloroethane  
Concen: 17.071 ug/L  
RT: 8.410 min Scan# 1070  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 62 Resp: 10938  
Ion Ratio Lower Upper  
62 100  
98 12.7 6.8 10.2#





#29

Cyclohexane

Concen: 74.613 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

ClientSampleId :

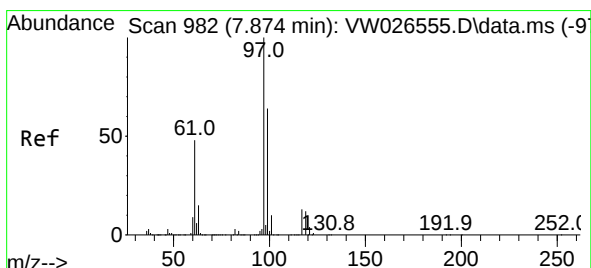
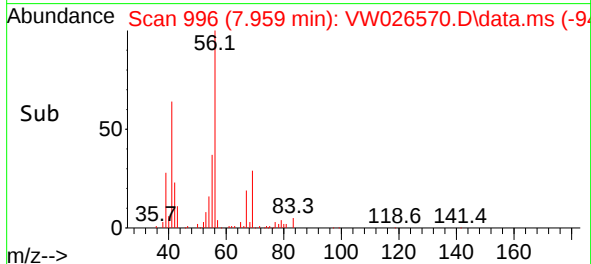
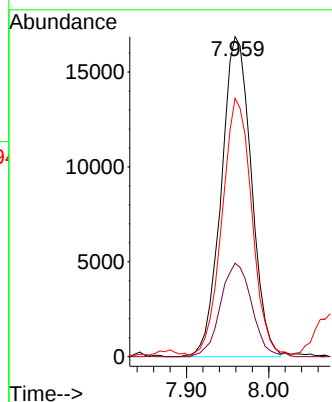
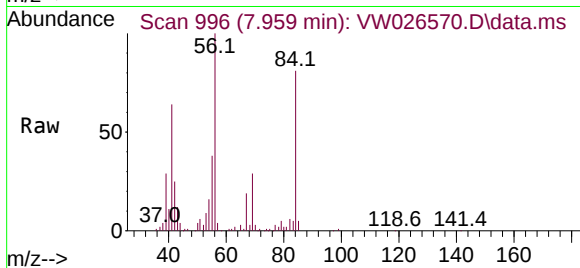
Tgt Ion: 56 Resp: 42872

Ion Ratio Lower Upper

56 100

69 30.1 22.9 34.3

84 80.2 62.5 93.7



#30

1,1,1-Trichloroethane

Concen: 74.697 ug/L

RT: 7.880 min Scan# 983

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

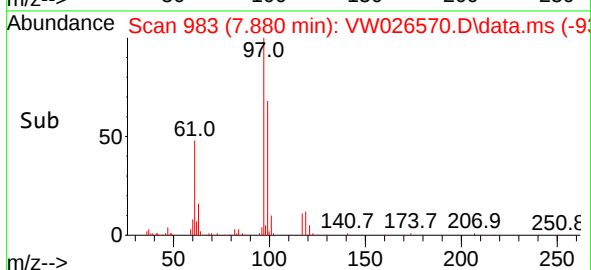
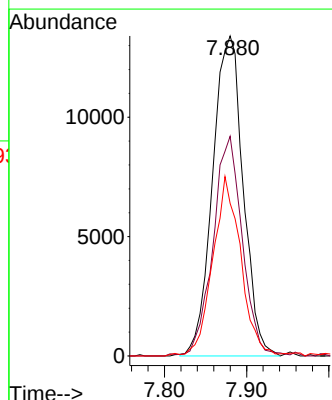
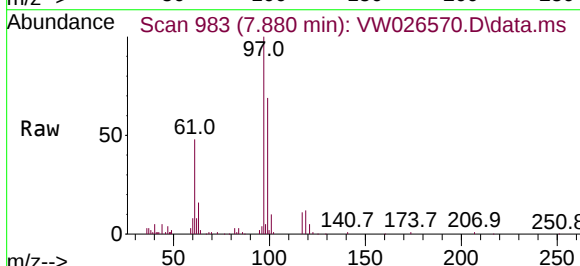
Tgt Ion: 97 Resp: 34663

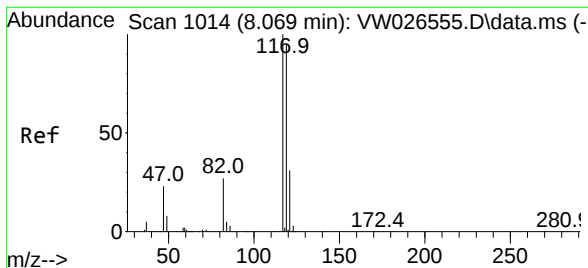
Ion Ratio Lower Upper

97 100

99 65.4 52.2 78.2

61 51.1 40.2 60.2





#31

Carbon tetrachloride

Concen: 74.290 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

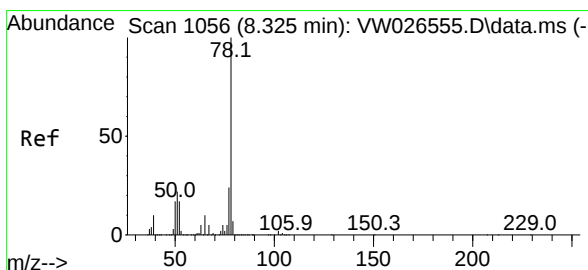
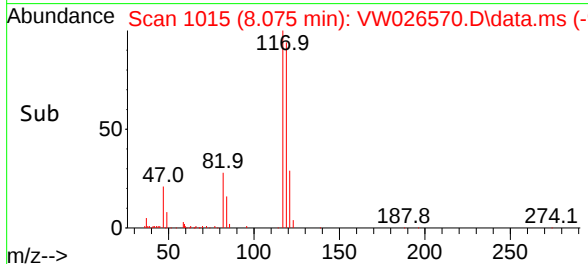
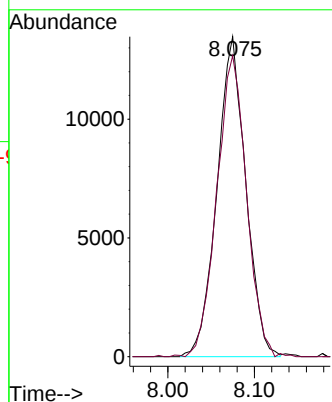
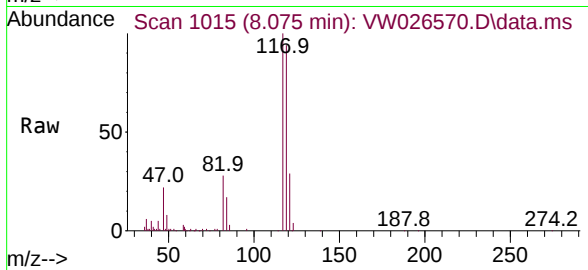
ClientSampleId :

Tgt Ion:117 Resp: 31081

Ion Ratio Lower Upper

117 100

119 96.8 76.3 114.5



#33

Benzene

Concen: 58.030 ug/L

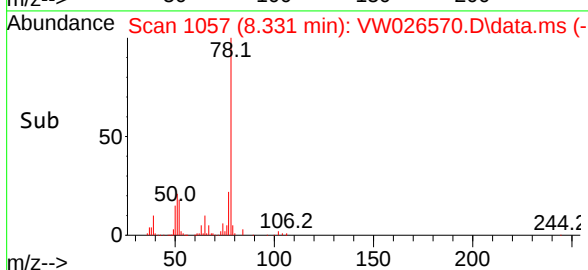
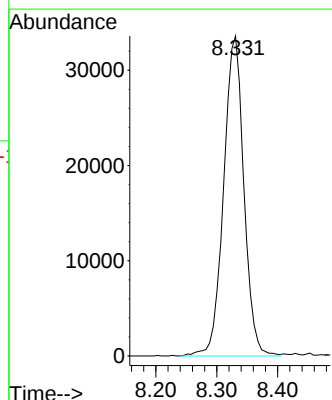
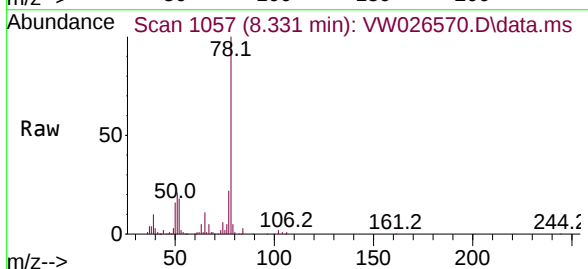
RT: 8.331 min Scan# 1057

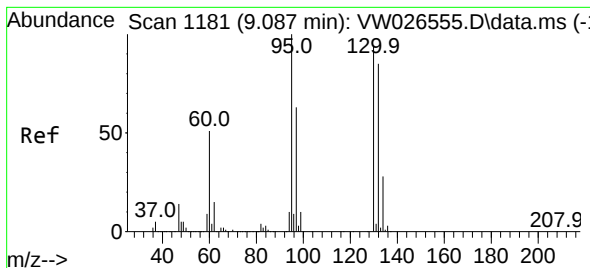
Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Tgt Ion: 78 Resp: 77511





#34

Trichloroethene

Concen: 62.357 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 21244

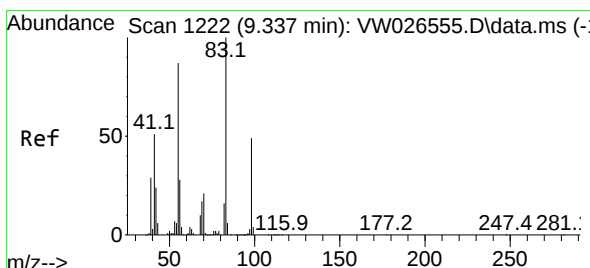
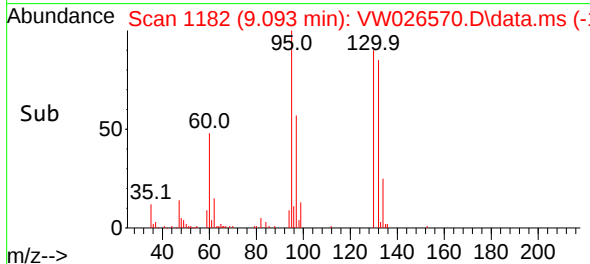
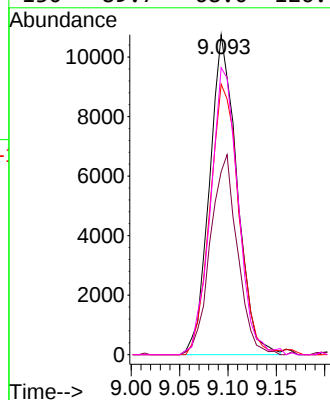
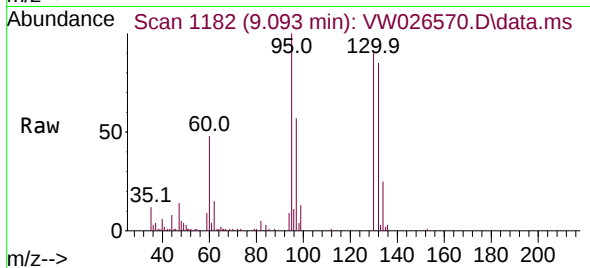
Ion Ratio Lower Upper

95 100

97 57.2 45.1 83.7

132 84.6 63.2 117.4

130 89.7 68.0 126.4



#35

Methylcyclohexane

Concen: 65.864 ug/L

RT: 9.343 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

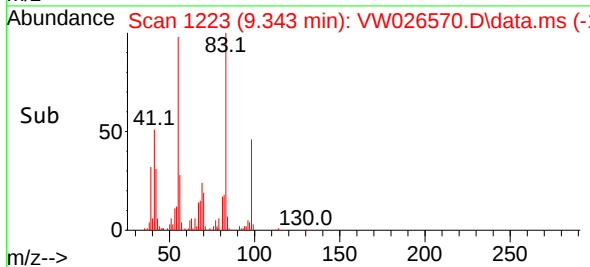
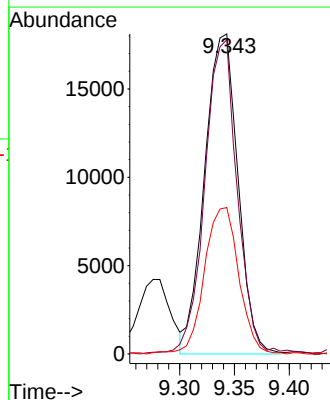
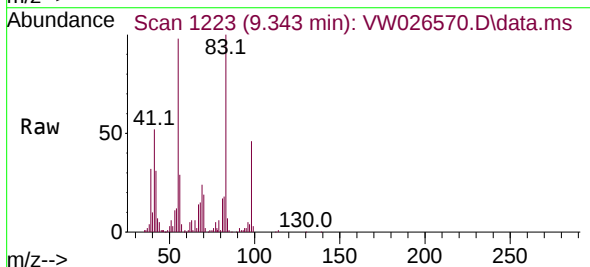
Tgt Ion: 83 Resp: 38328

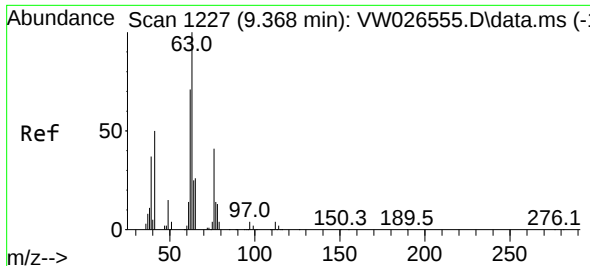
Ion Ratio Lower Upper

83 100

55 95.4 67.5 101.3

98 46.9 37.3 55.9





#37

1,2-Dichloropropane

Concen: 41.505 ug/L

RT: 9.373 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

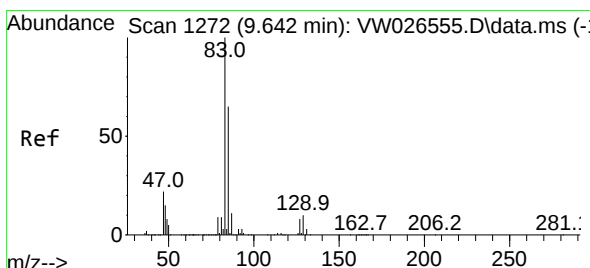
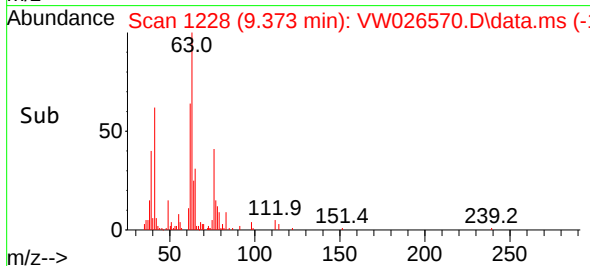
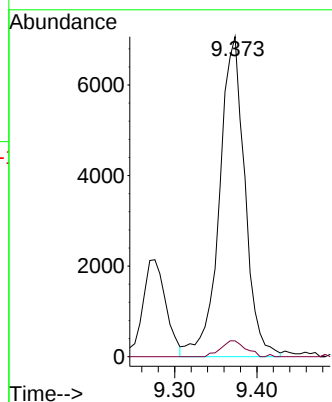
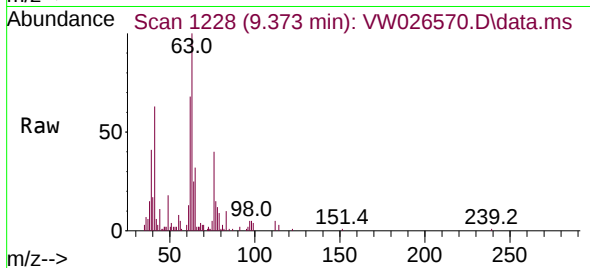
ClientSampleId :

Tgt Ion: 63 Resp: 15188

Ion Ratio Lower Upper

63 100

112 4.8 3.3 4.9



#38

Bromodichloromethane

Concen: 33.547 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

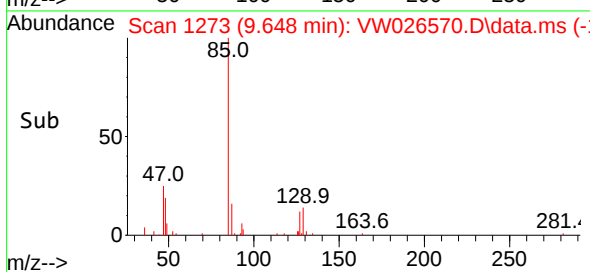
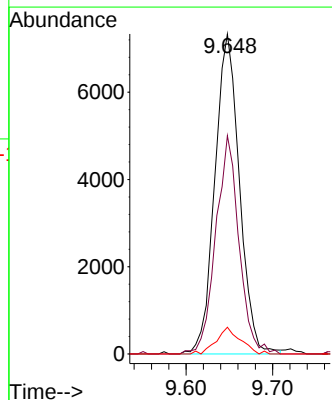
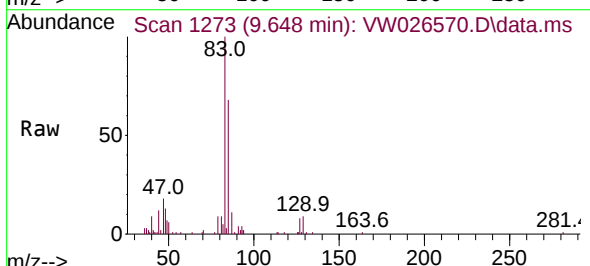
Tgt Ion: 83 Resp: 14485

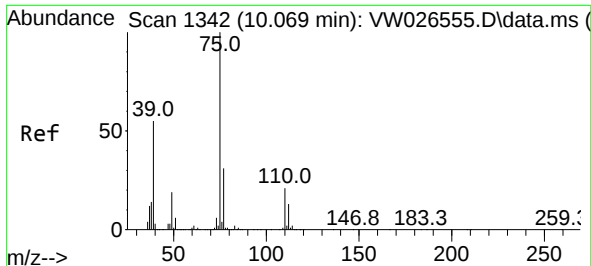
Ion Ratio Lower Upper

83 100

85 68.2 45.4 84.2

127 8.3 5.2 7.8#





#39

cis-1,3-Dichloropropene

Concen: 25.706 ug/L

RT: 10.074 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

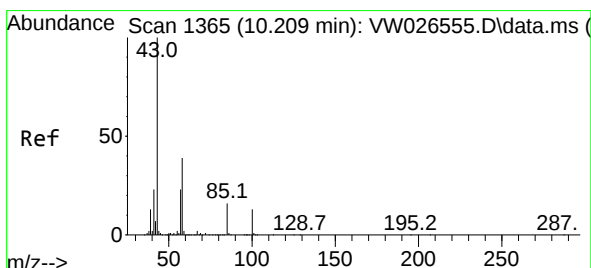
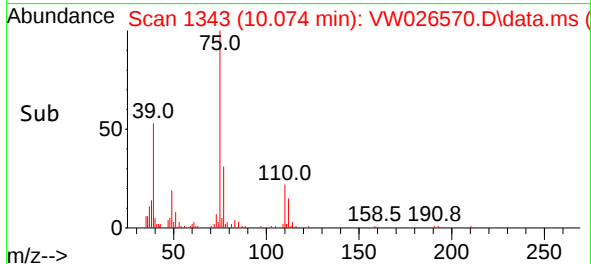
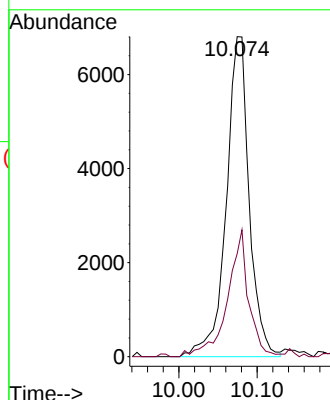
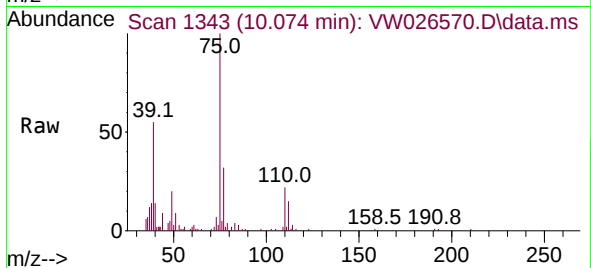
ClientSampleId :

Tgt Ion: 75 Resp: 13870

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 10.171 ug/L

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

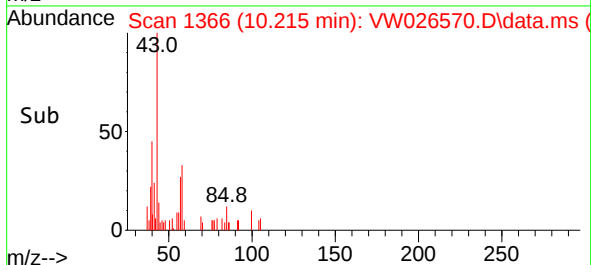
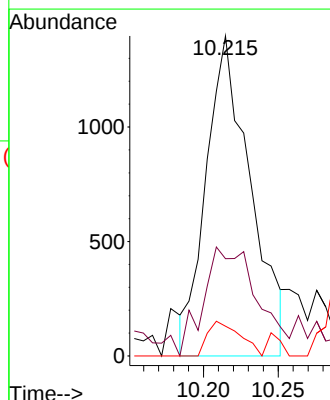
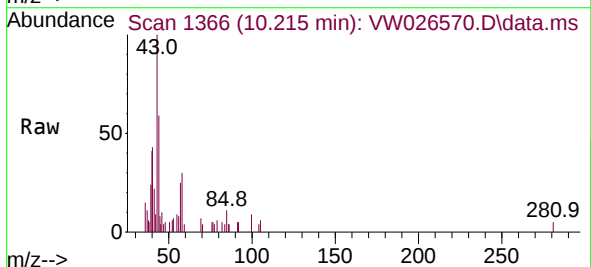
Tgt Ion: 43 Resp: 2880

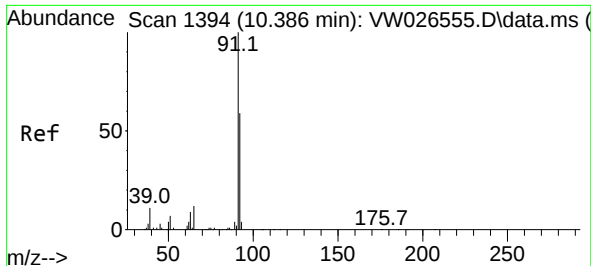
Ion Ratio Lower Upper

43 100

58 19.3 29.8 44.8#

100 7.9 10.6 15.8#

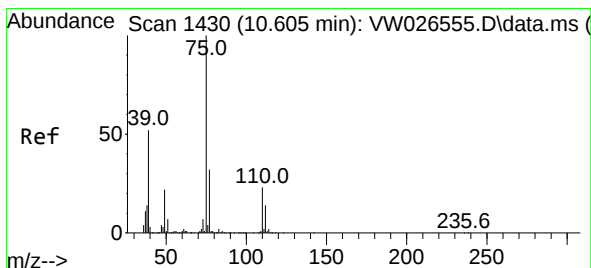
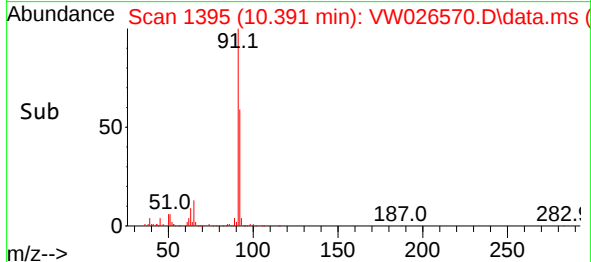
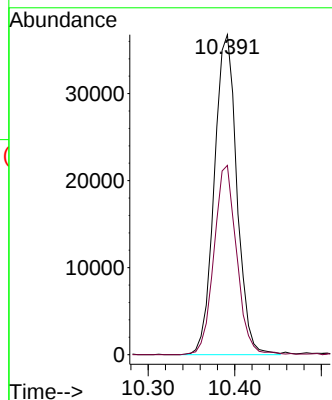
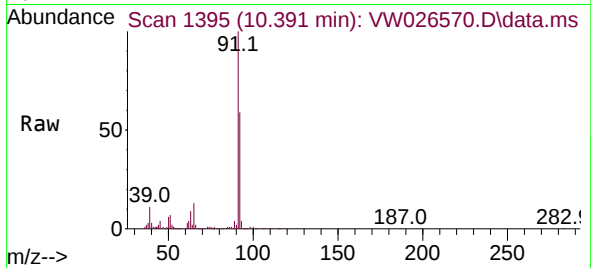




#42  
Toluene  
Concen: 49.002 ug/L  
RT: 10.391 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

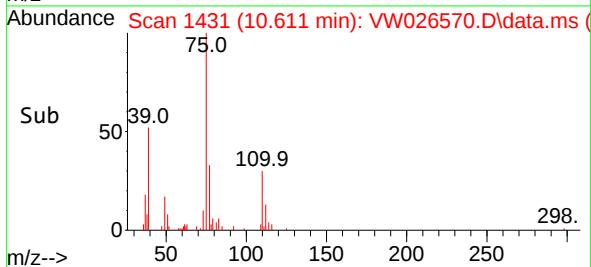
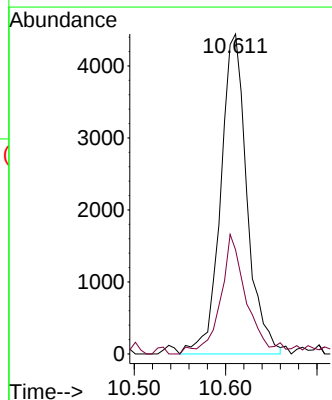
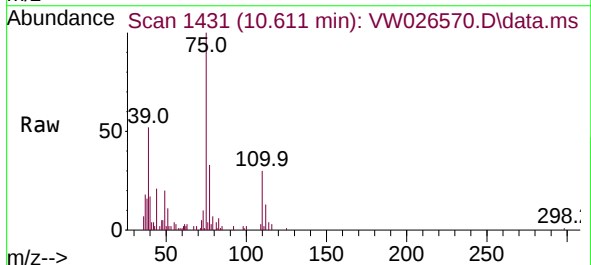
Instrument :  
MSVOA\_W  
ClientSampleId :

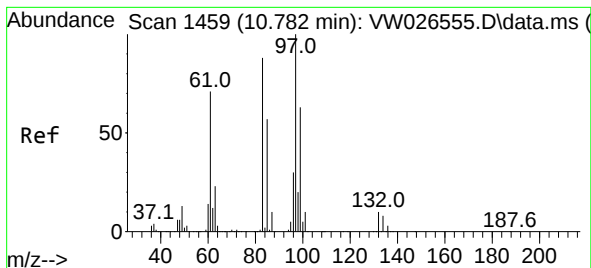
Tgt Ion: 91 Resp: 66621  
Ion Ratio Lower Upper  
91 100  
92 59.1 42.4 78.8



#44  
trans-1,3-Dichloropropene  
Concen: 19.706 ug/L  
RT: 10.611 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 75 Resp: 8911  
Ion Ratio Lower Upper  
75 100  
77 32.6 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 21.302 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 5730

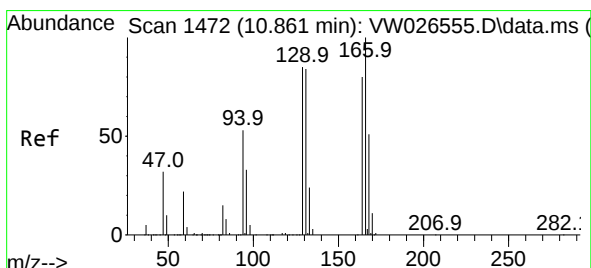
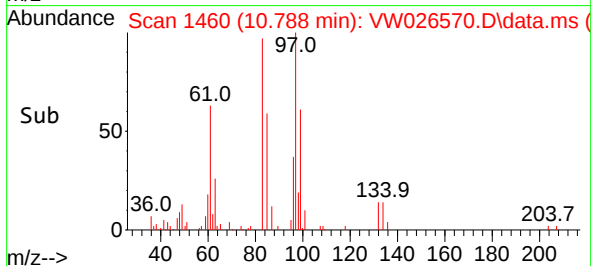
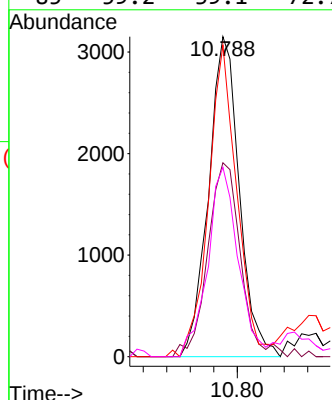
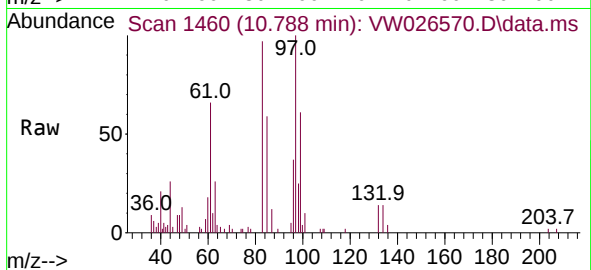
Ion Ratio Lower Upper

97 100

99 60.6 42.1 78.1

83 97.3 59.9 111.3

85 59.2 39.1 72.7



#46

Tetrachloroethene

Concen: 85.556 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Tgt Ion:164 Resp: 20453

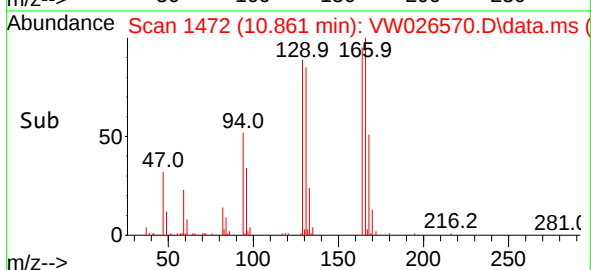
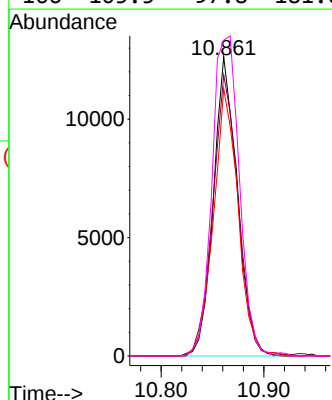
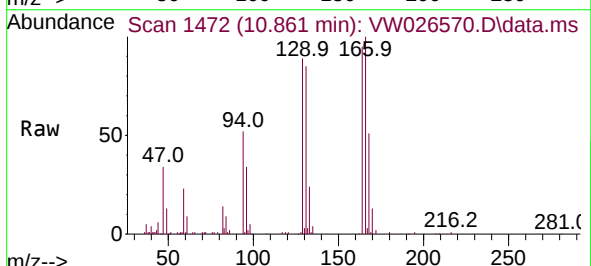
Ion Ratio Lower Upper

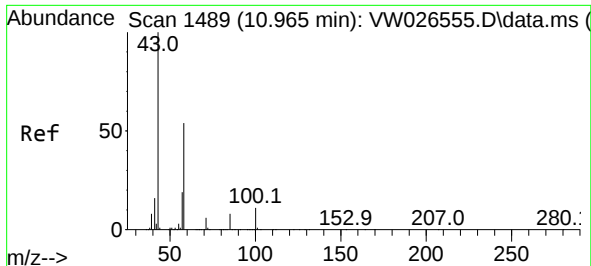
164 100

129 93.8 73.0 135.6

131 89.2 69.2 128.6

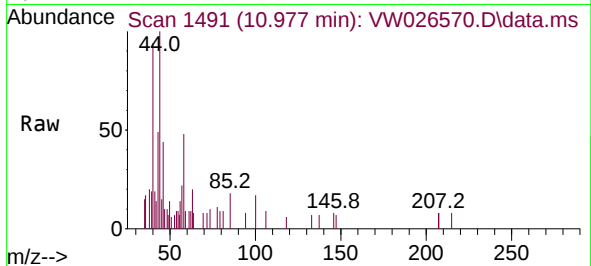
166 105.5 97.8 181.6



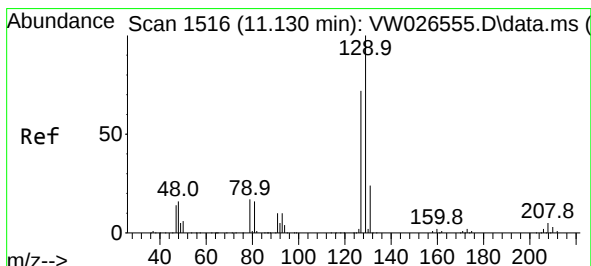
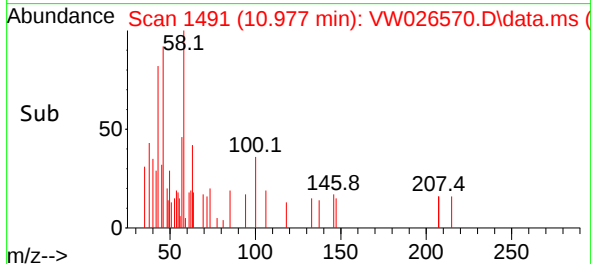
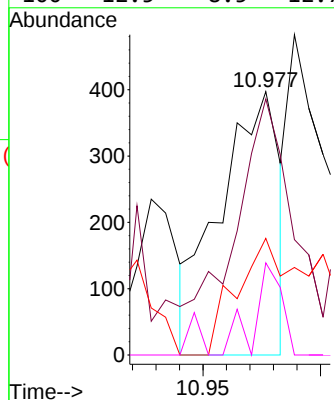


#48  
2-Hexanone  
Concen: 3.555 ug/L  
RT: 10.977 min Scan# 1489  
Delta R.T. 0.012 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Instrument :  
MSVOA\_W  
ClientSampleId :

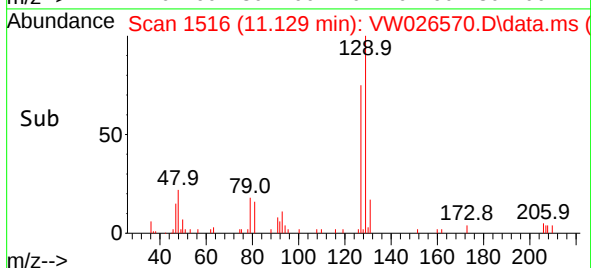
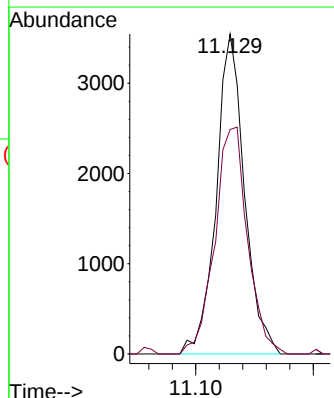
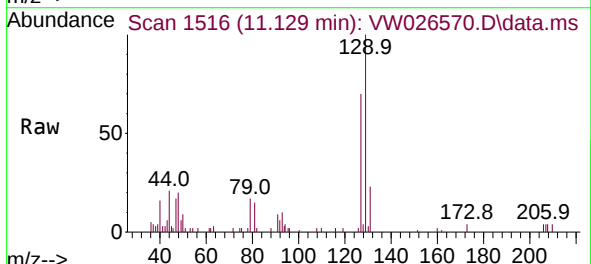


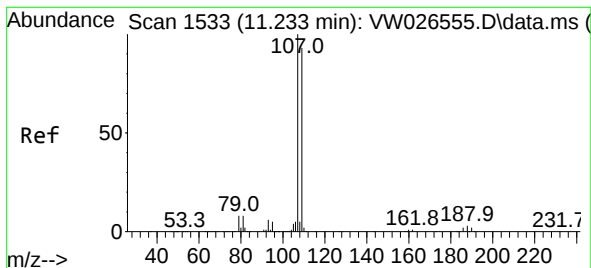
Tgt Ion: 43 Resp: 702  
Ion Ratio Lower Upper  
43 100  
58 97.9 39.9 59.9#  
57 32.2 14.1 21.1#  
100 12.5 8.5 12.7



#49  
Dibromochloromethane  
Concen: 21.988 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 129 Resp: 5926  
Ion Ratio Lower Upper  
129 100  
127 70.2 50.0 93.0

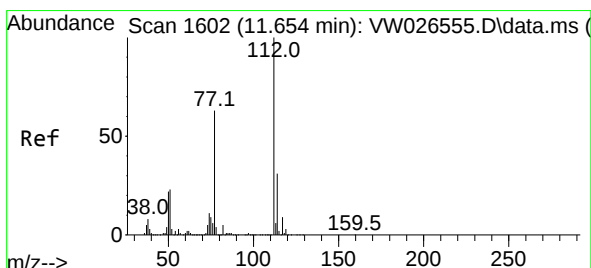
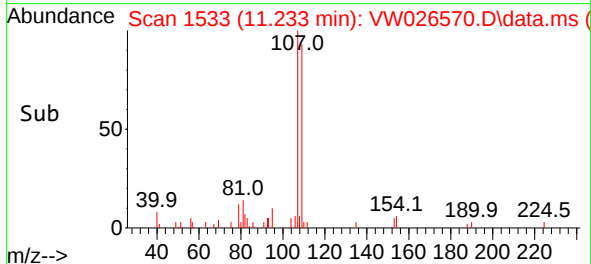
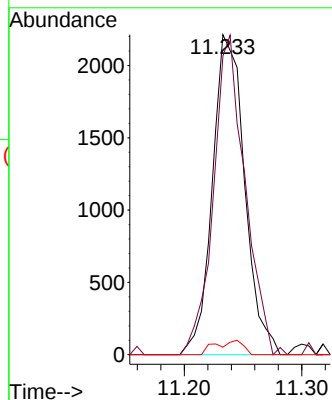
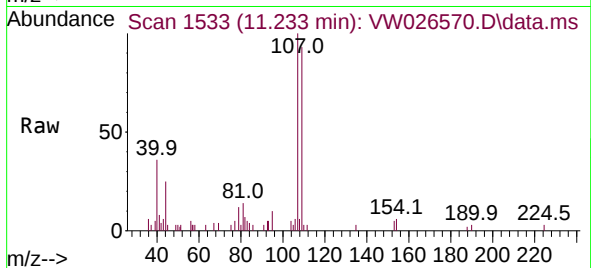




#50  
1,2-Dibromoethane  
Concen: 17.111 ug/L  
RT: 11.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

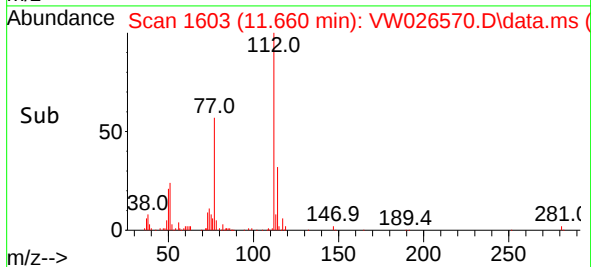
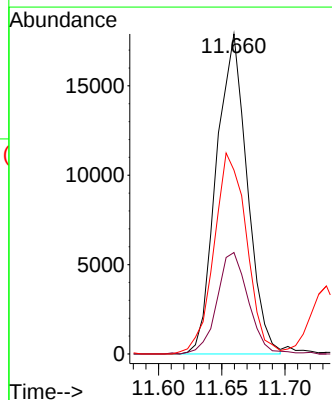
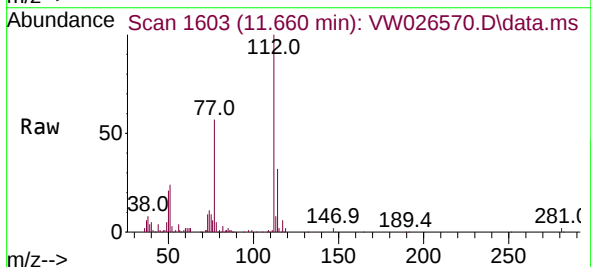
Instrument :  
MSVOA\_W  
ClientSampleId :

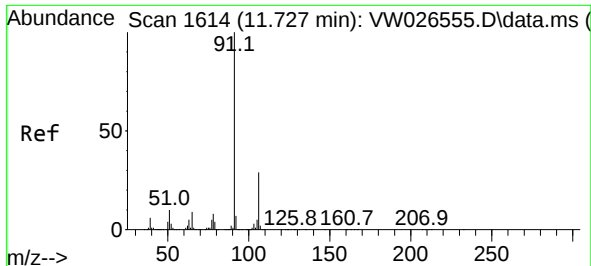
Tgt Ion:107 Resp: 4221  
Ion Ratio Lower Upper  
107 100  
109 93.3 67.7 125.7  
188 2.3 2.7 4.1#



#51  
Chlorobenzene  
Concen: 34.189 ug/L  
RT: 11.660 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion:112 Resp: 30382  
Ion Ratio Lower Upper  
112 100  
114 31.7 22.2 41.2  
77 57.4 53.4 80.2

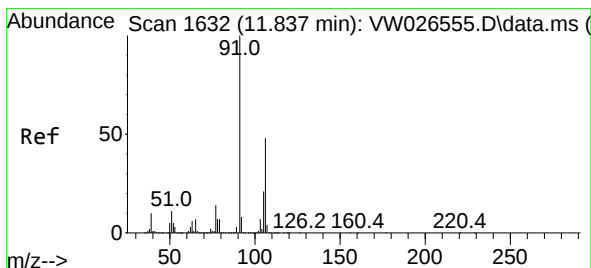
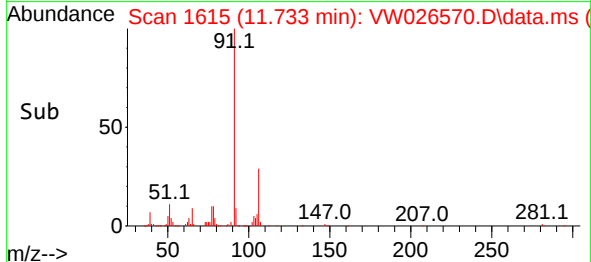
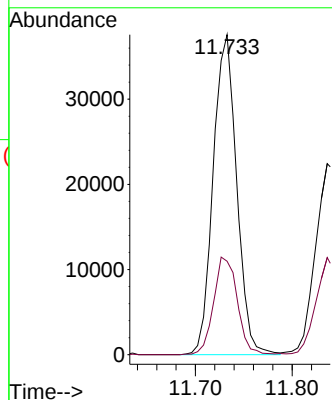
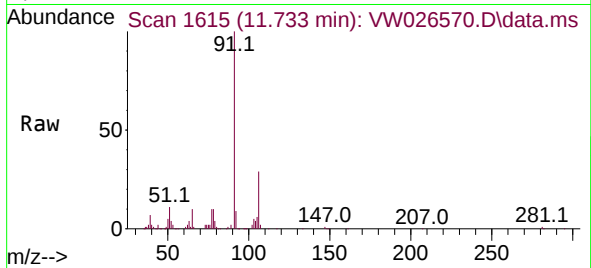




#52  
Ethylbenzene  
Concen: 39.476 ug/L  
RT: 11.733 min Scan# 1615  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

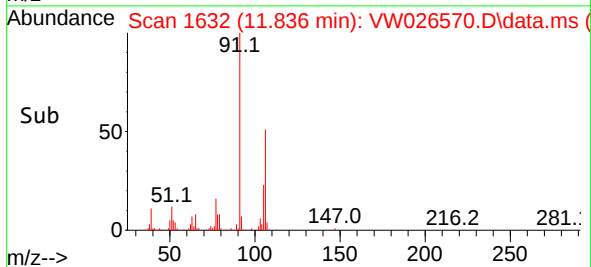
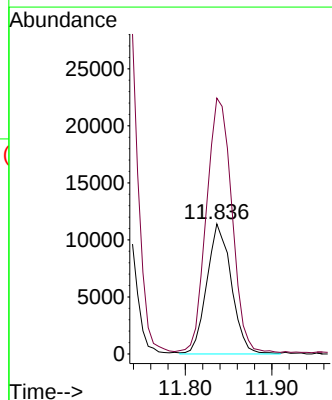
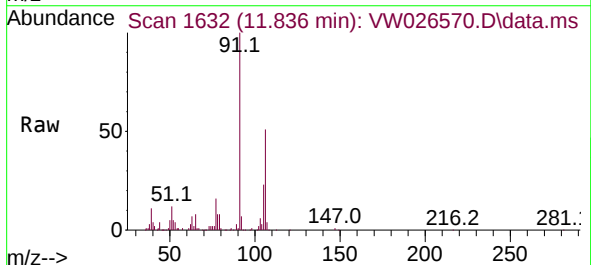
Instrument :  
MSVOA\_W  
ClientSampleId :

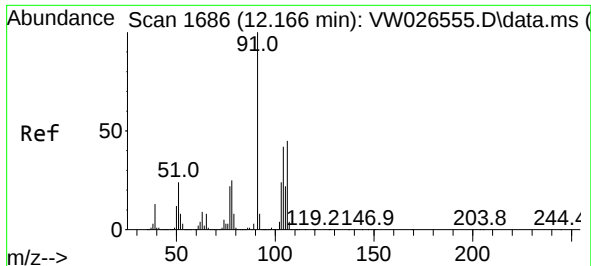
Tgt Ion: 91 Resp: 63378  
Ion Ratio Lower Upper  
91 100  
106 29.2 20.7 38.5



#53  
m,p-Xylene  
Concen: 38.289 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion:106 Resp: 22477  
Ion Ratio Lower Upper  
106 100  
91 196.6 152.7 283.7

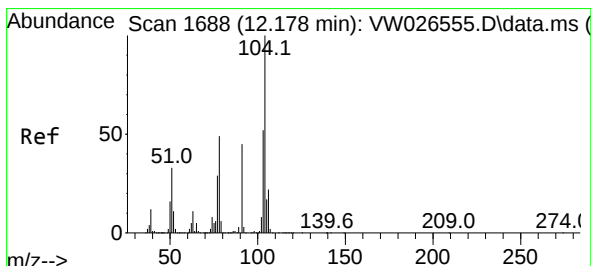
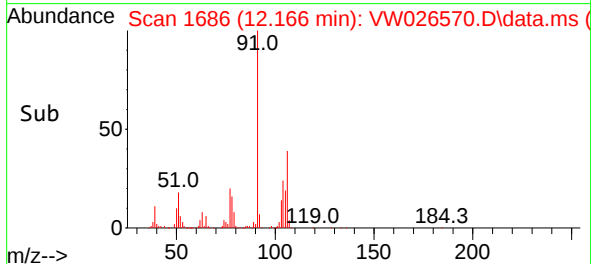
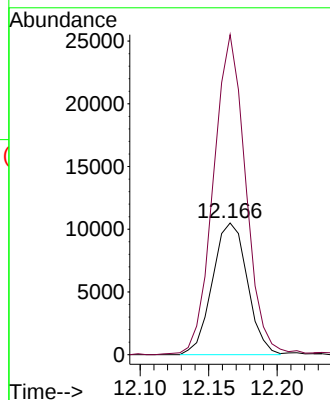
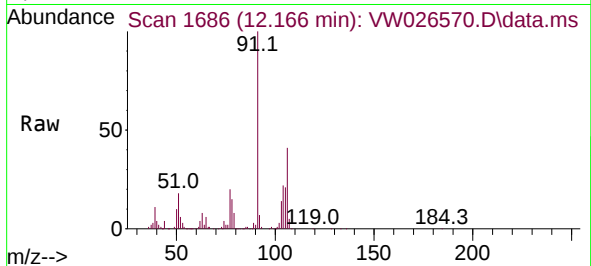




#54  
o-Xylene  
Concen: 32.709 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

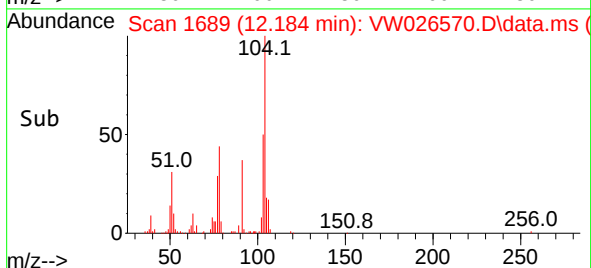
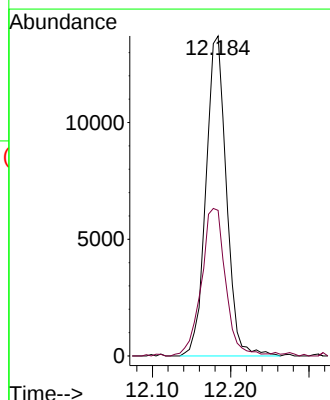
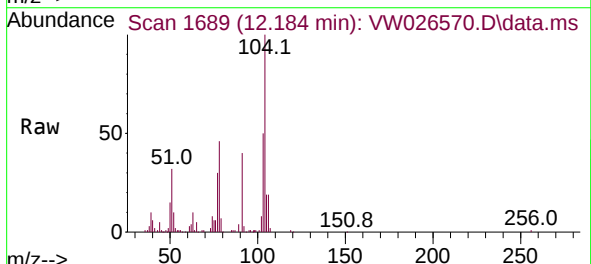
Instrument :  
MSVOA\_W  
ClientSampleId :

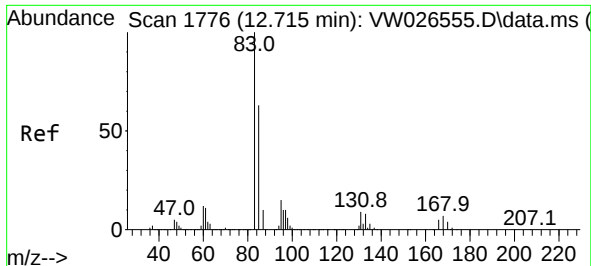
Tgt Ion:106 Resp: 18604  
Ion Ratio Lower Upper  
106 100  
91 242.9 151.8 282.0



#55  
Styrene  
Concen: 25.519 ug/L  
RT: 12.184 min Scan# 1689  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion:104 Resp: 24821  
Ion Ratio Lower Upper  
104 100  
78 45.5 35.6 66.2





#57

1,1,2-Tetrachloroethane

Concen: 14.553 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW026570.D

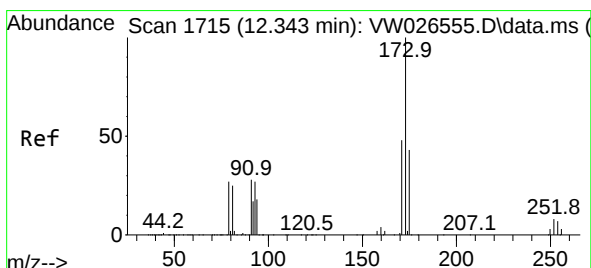
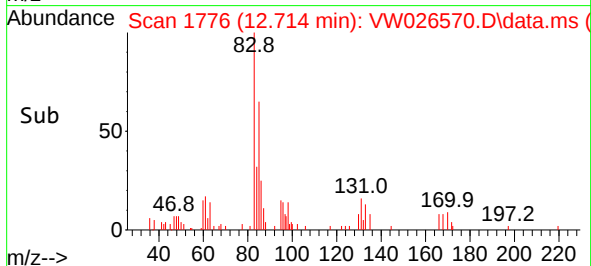
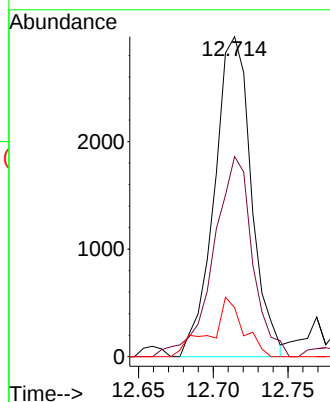
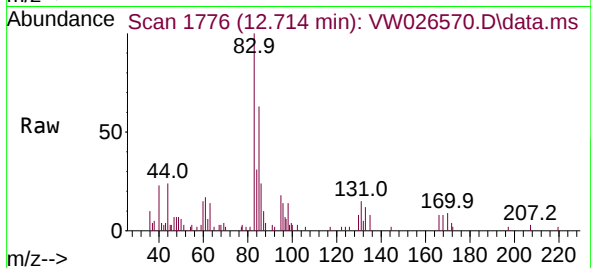
Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 5125     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 62.6 44.4 82.5 |
| 131         | 15.3 7.2 10.8# |



#59

Bromoform

Concen: 24.180 ug/L

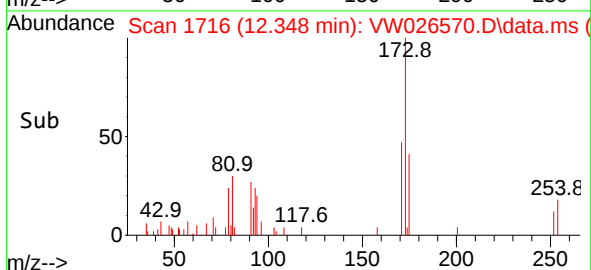
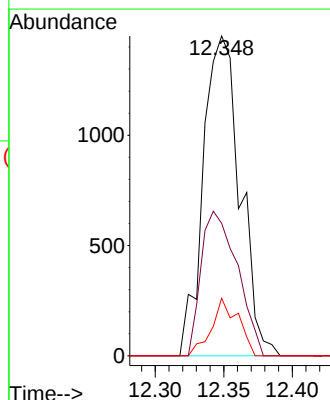
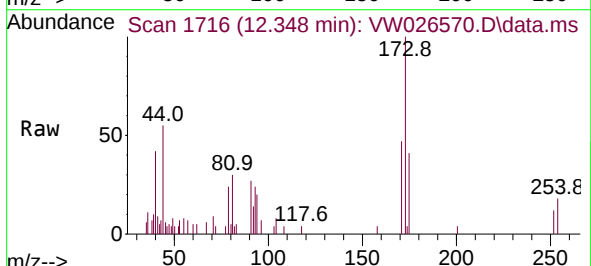
RT: 12.348 min Scan# 1716

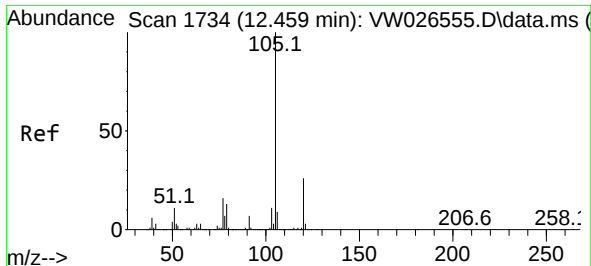
Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

|              |                |
|--------------|----------------|
| Tgt Ion: 173 | Resp: 2717     |
| Ion Ratio    | Lower Upper    |
| 173          | 100            |
| 175          | 44.4 39.0 58.4 |
| 254          | 13.0 7.0 10.6# |

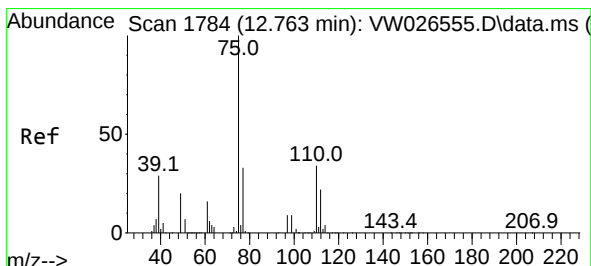
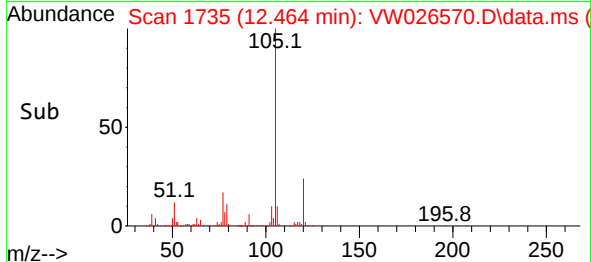
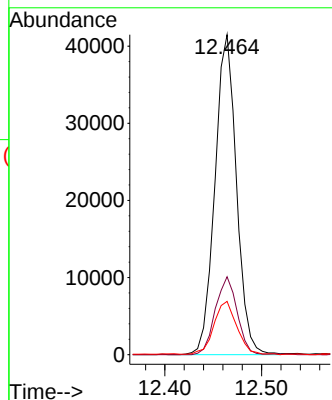
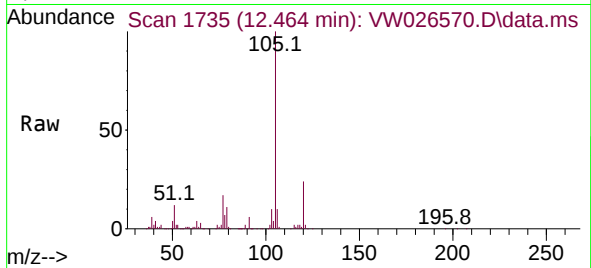




#60  
Isopropylbenzene  
Concen: 58.475 ug/L  
RT: 12.464 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

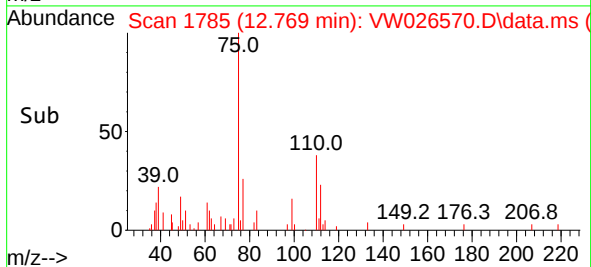
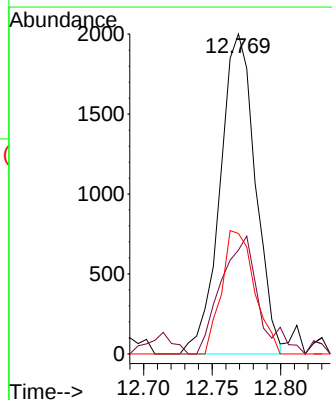
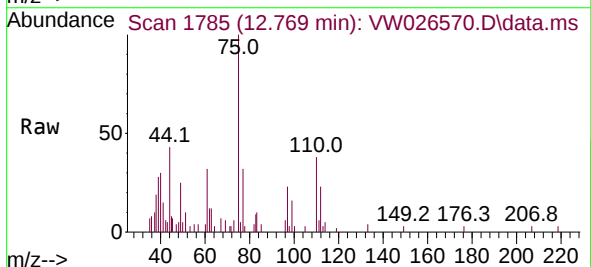
Instrument :  
MSVOA\_W  
ClientSampleId :

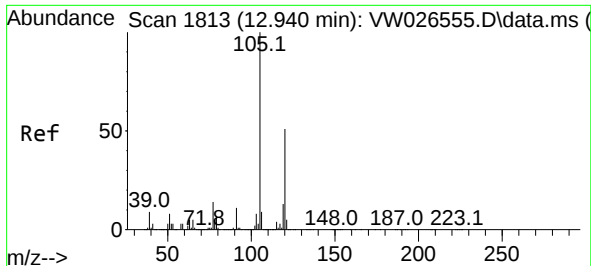
Tgt Ion:105 Resp: 64242  
Ion Ratio Lower Upper  
105 100  
120 24.5 20.3 30.5  
77 17.8 13.4 20.0



#61  
1,2,3-Trichloropropane  
Concen: 19.280 ug/L  
RT: 12.769 min Scan# 1785  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion: 75 Resp: 3598  
Ion Ratio Lower Upper  
75 100  
77 36.3 25.1 37.7  
110 35.7 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 41.440 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

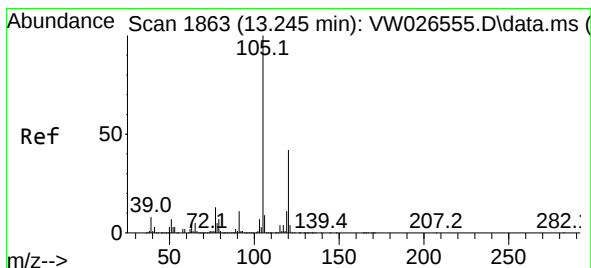
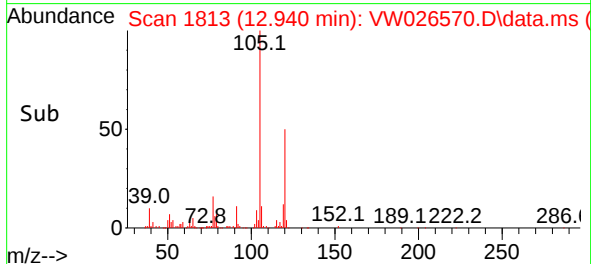
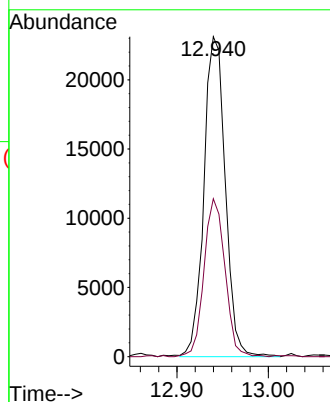
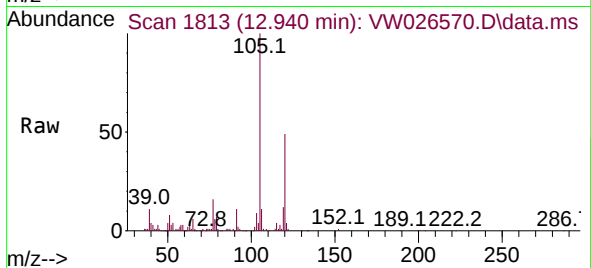
ClientSampleId :

Tgt Ion:105 Resp: 37538

Ion Ratio Lower Upper

105 100

120 48.2 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 34.995 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026570.D

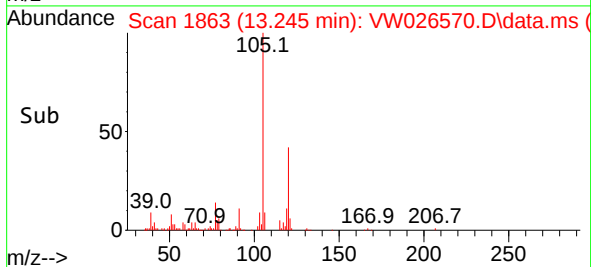
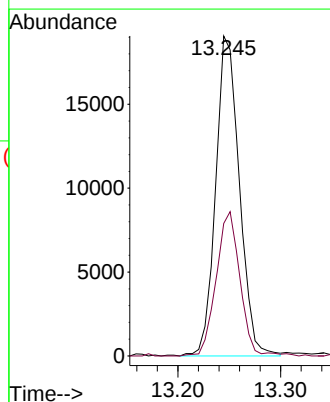
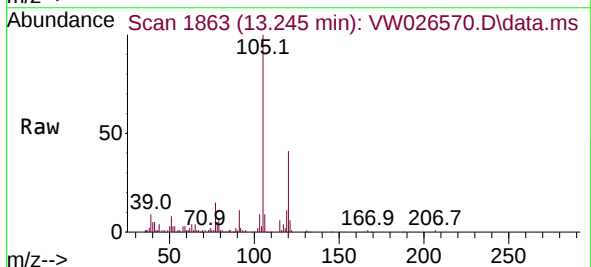
Acq: 07 Jul 2023 15:29

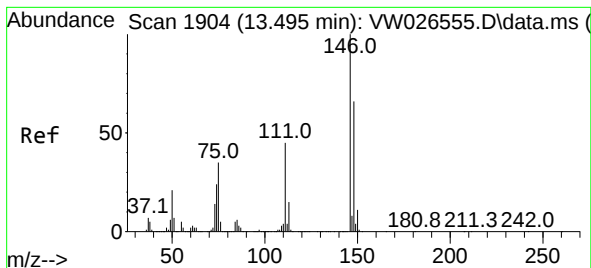
Tgt Ion:105 Resp: 30494

Ion Ratio Lower Upper

105 100

120 43.3 35.5 53.3

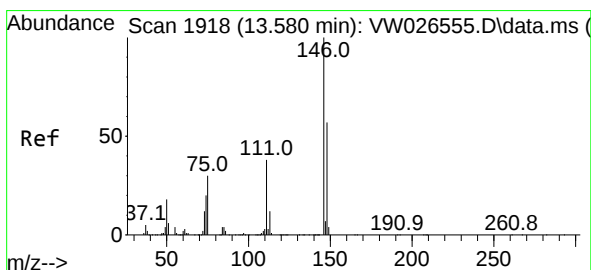
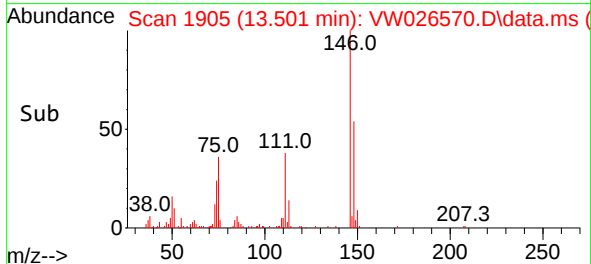
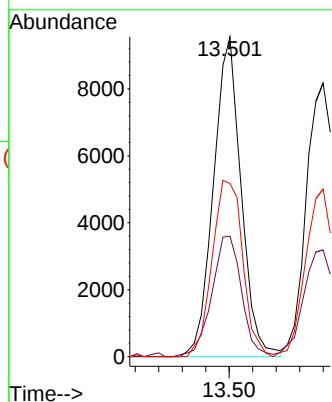
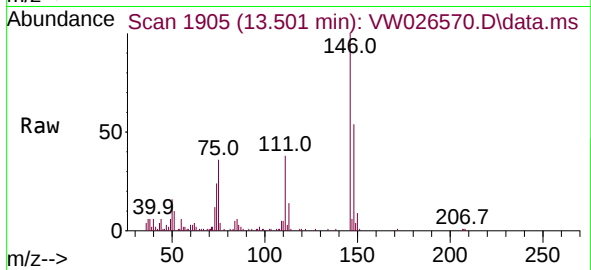




#64  
1,3-Dichlorobenzene  
Concen: 33.382 ug/L  
RT: 13.501 min Scan# 1905  
Delta R.T. 0.006 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

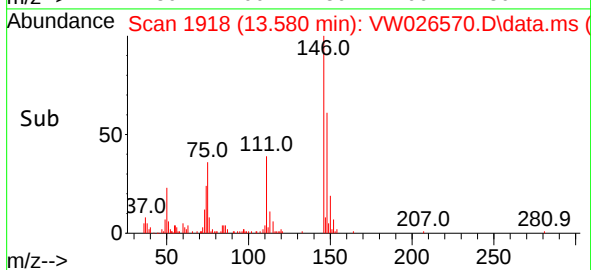
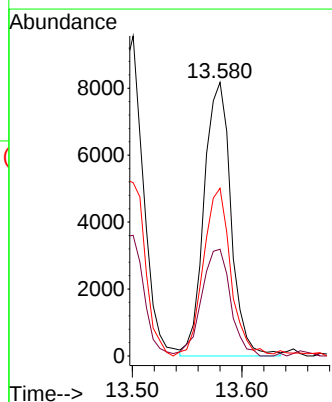
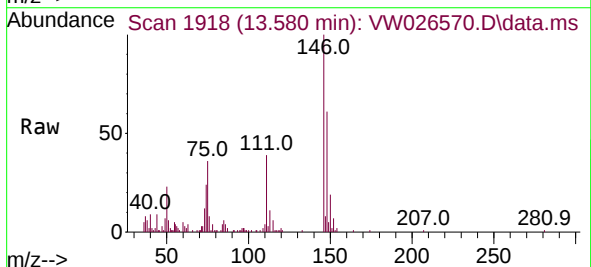
Instrument :  
MSVOA\_W  
ClientSampleId :

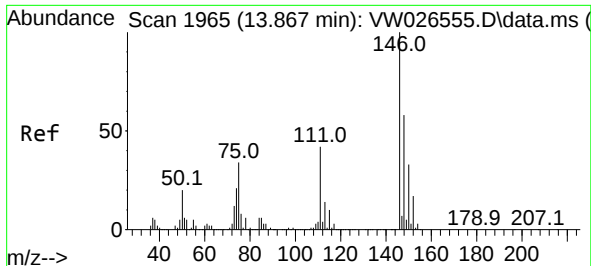
Tgt Ion:146 Resp: 15603  
Ion Ratio Lower Upper  
146 100  
111 37.7 32.7 60.7  
148 54.2 47.0 87.2



#65  
1,4-Dichlorobenzene  
Concen: 29.904 ug/L  
RT: 13.580 min Scan# 1918  
Delta R.T. -0.000 min  
Lab File: VW026570.D  
Acq: 07 Jul 2023 15:29

Tgt Ion:146 Resp: 13937  
Ion Ratio Lower Upper  
146 100  
111 39.0 30.2 56.0  
148 61.3 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 23.676 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

ClientSampleId :

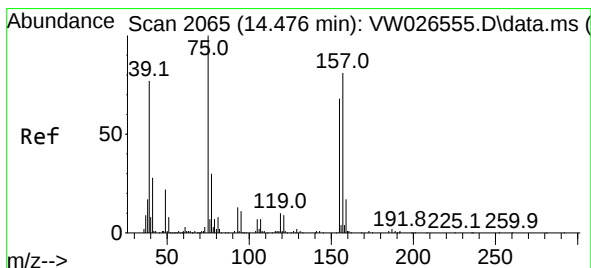
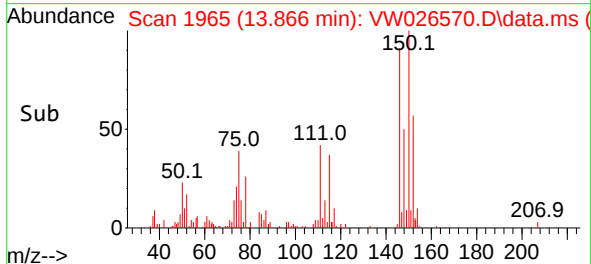
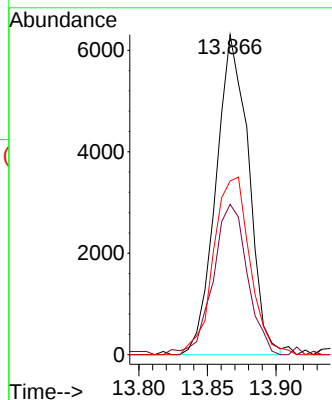
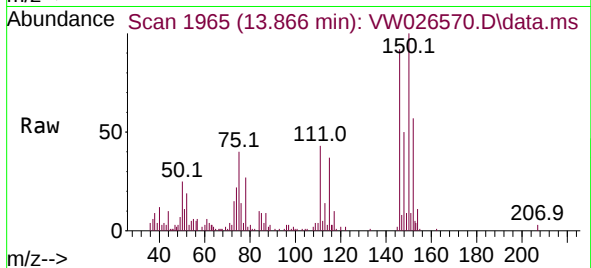
Tgt Ion:146 Resp: 10425

Ion Ratio Lower Upper

146 100

111 47.0 36.6 55.0

148 54.2 55.1 82.7#



#68

1,2-Dibromo-3-chloropropane

Concen: 36.888 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. 0.146 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

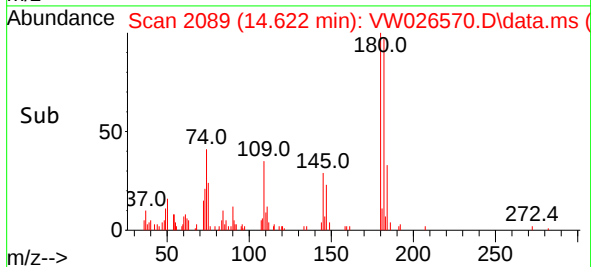
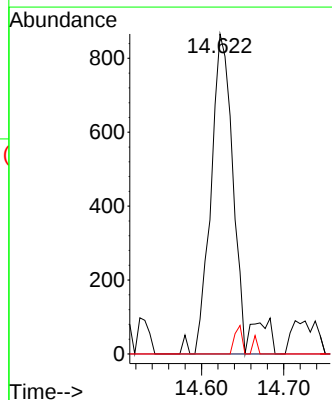
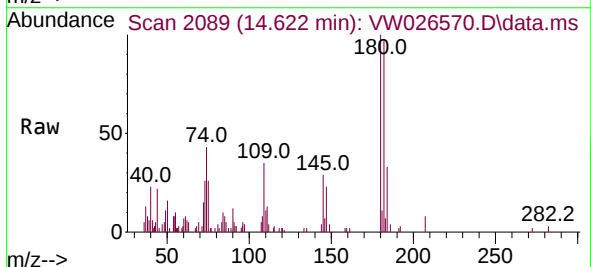
Tgt Ion: 75 Resp: 1736

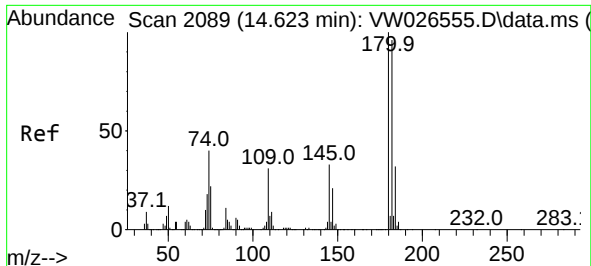
Ion Ratio Lower Upper

75 100

155 0.0 57.3 85.9#

157 0.0 76.9 115.3#





#69

1,3,5-Trichlorobenzene

Concen: 19.350 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

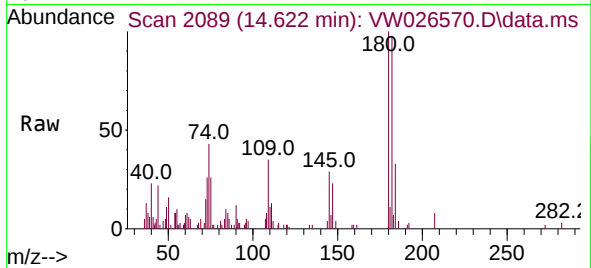
Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 6016

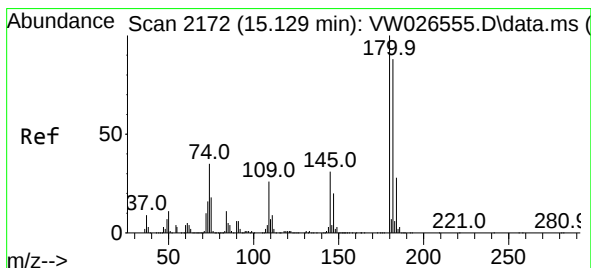
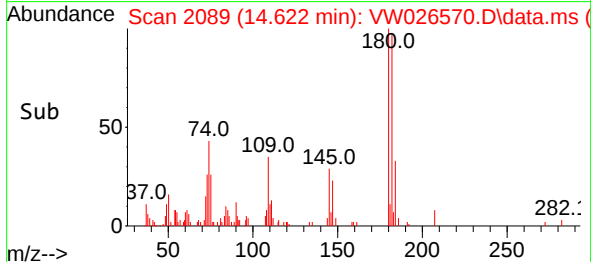
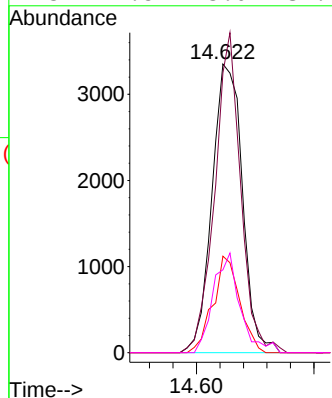
Ion Ratio Lower Upper

180 100

182 93.5 75.5 113.3

184 29.5 23.8 35.8

145 29.8 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 8.761 ug/L

RT: 15.135 min Scan# 2173

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

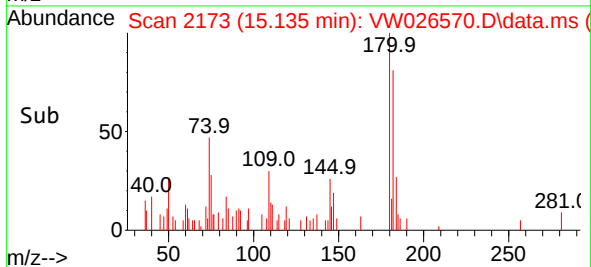
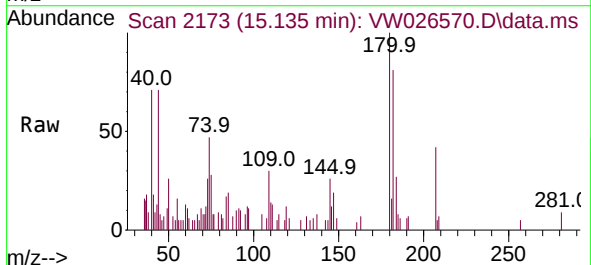
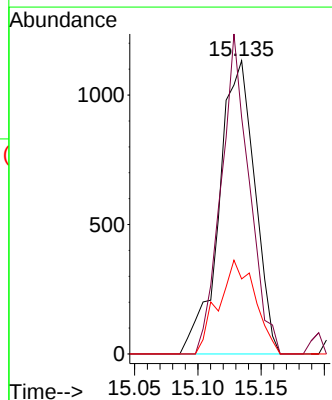
Tgt Ion:180 Resp: 2222

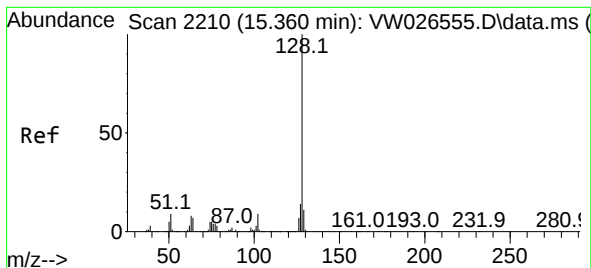
Ion Ratio Lower Upper

180 100

182 86.0 74.5 111.7

145 32.9 25.9 38.9





#71

Naphthalene

Concen: 1.550 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

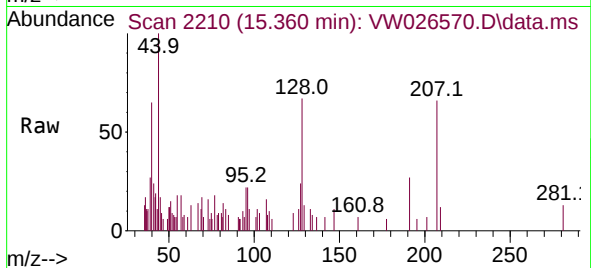
Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

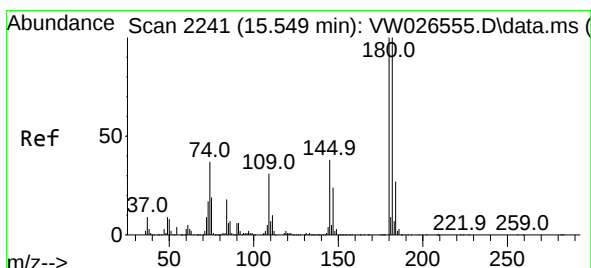
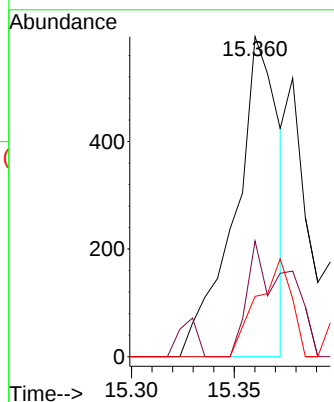
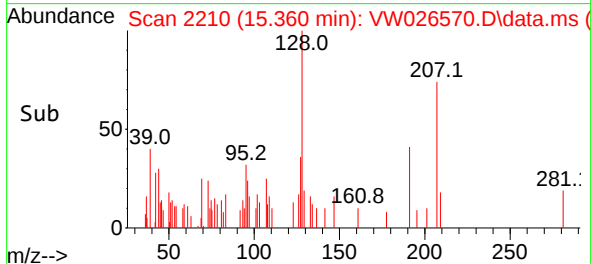
Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 880   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 16.6  | 10.2  | 15.2# |
| 129      | 0.0   | 8.6   | 13.0# |



#72

1,2,3-Trichlorobenzene

Concen: 3.279 ug/L

RT: 15.555 min Scan# 2242

Delta R.T. 0.006 min

Lab File: VW026570.D

Acq: 07 Jul 2023 15:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 743    |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 118.8 | 75.3  | 112.9# |
| 145      | 16.6  | 29.0  | 43.6#  |

