

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052223\  
 Data File : VW026021.D  
 Acq On : 22 May 2023 11:18  
 Operator : SY/MD  
 Sample : 02851-02MS  
 Misc : 3.73g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 H0FJ2MS

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/23/2023  
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 23 01:23:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue May 23 01:22:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 760521   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 646067   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 280826   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 191705   | 17.788   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 71.160%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 171230   | 21.431   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 85.720%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 98873    | 18.322   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 73.280%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 138486   | 38.870   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 77.740%  |
| 24) Chloroform-d              | 7.648  | 84    | 496881   | 22.658   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 90.640%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 263242   | 21.228   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 84.920%  |
| 32) Benzene-d6                | 8.270  | 84    | 936999   | 22.196   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 88.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 318042   | 23.547   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 94.200%  |
| 41) Toluene-d8                | 10.325 | 98    | 806625   | 21.428   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 85.720%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 107927   | 19.712   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 78.840%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 96992    | 42.112   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 84.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 235028   | 22.830   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 91.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 211164   | 20.627   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 82.520%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 145917   | 17.174   | ug/L  | 90       |
| 3) Chloromethane              | 2.222  | 50    | 258371   | 20.624   | ug/L  | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 281823   | 21.734   | ug/L  | 100      |
| 6) Bromomethane               | 2.789  | 94    | 144131   | 20.436   | ug/L  | 94       |
| 8) Chloroethane               | 2.936  | 64    | 173950   | 23.592   | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 206035   | 21.054   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 228223   | 21.444   | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 215790   | 21.216   | ug/L  | 96       |
| 13) Acetone                   | 4.118  | 43    | 185381   | 58.681   | ug/L  | 99       |
| 14) Carbon disulfide          | 4.393  | 76    | 652148   | 18.959   | ug/L  | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 81814m   | 13.142   | ug/L  |          |
| 16) Methylene chloride        | 4.917  | 84    | 260660   | 16.619   | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 235341   | 21.209   | ug/L  | 95       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 374794   | 22.255   | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 524964   | 23.027   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 269625   | 22.649   | ug/L  | 100      |
| 22) 2-Butanone                | 7.167  | 43    | 195420   | 44.799   | ug/L  | 100      |
| 23) Bromochloromethane        | 7.514  | 128   | 113206   | 22.447   | ug/L  | 94       |
| 25) Chloroform                | 7.679  | 83    | 496314   | 23.687   | ug/L  | 99       |

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 Sample : 02851-02MS  
 Misc : 3.73g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 H0FJ2MS

Manual Integrations  
 APPROVED

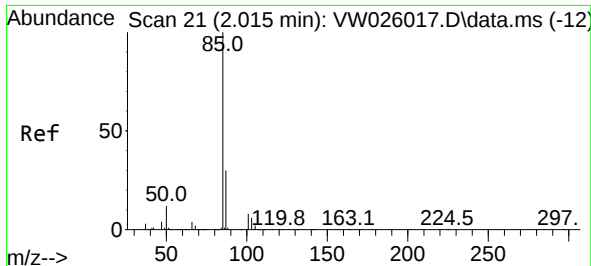
Reviewed By :Semsettin Yesilyurt 05/23/2023  
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 23 01:23:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue May 23 01:22:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 331270   | 22.262 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 420083   | 20.982 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 378104   | 23.930 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 324736   | 22.838 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 1072877  | 24.003 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 263551   | 22.978 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 375829   | 18.423 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 294271   | 24.030 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 337113   | 23.994 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 388622   | 21.640 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 352301   | 44.197 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 1101984  | 24.128 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 332288   | 22.330 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 191846   | 23.419 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 175474   | 21.746 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 263797   | 46.196 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 194025   | 22.878 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 168010   | 22.247 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 640648   | 22.643 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 1186708  | 23.099 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.836 | 106  | 433581   | 22.931 | ug/L  | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 414752   | 23.272 | ug/L  | 90       |
| 55) Styrene                   | 12.178 | 104  | 687500   | 22.538 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 222212   | 21.740 | ug/L  | 95       |
| 59) Bromoform                 | 12.349 | 173  | 106889   | 25.697 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1100748  | 25.787 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 164907   | 24.847 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 840833   | 24.869 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 764400   | 24.500 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 404594   | 22.018 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 410269   | 22.099 | ug/L  | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 366298   | 22.352 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 33218    | 21.584 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 199704   | 16.372 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 147295   | 14.414 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 297375   | 15.418 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 117277   | 12.934 | ug/L  | 98       |

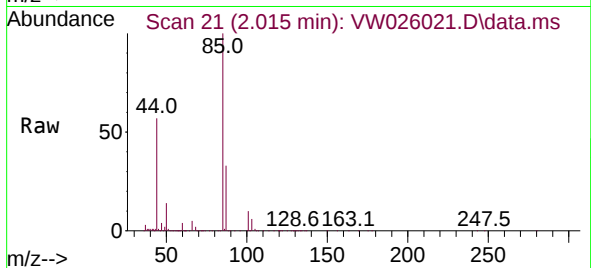
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#2  
Dichlorodifluoromethane  
Concen: 17.174 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

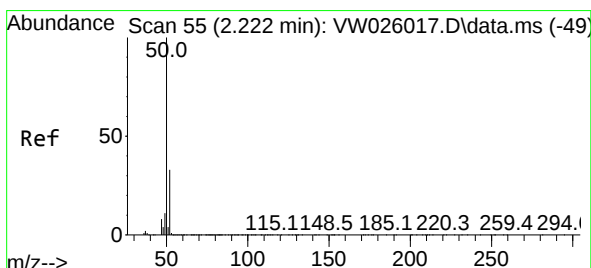
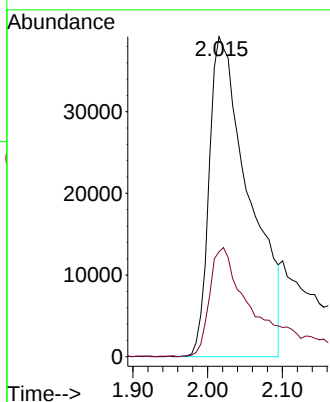
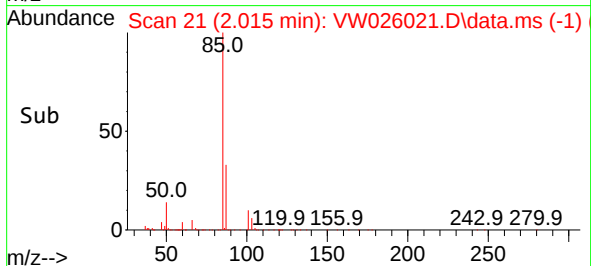
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



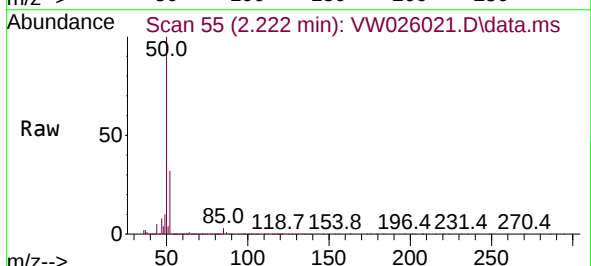
Tgt Ion: 85 Resp: 14591  
Ion Ratio Lower Upper  
85 100  
87 36.3 24.7 37.1

Manual Integrations  
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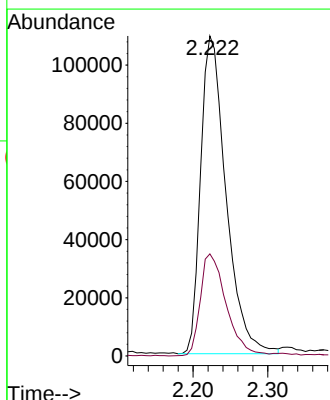
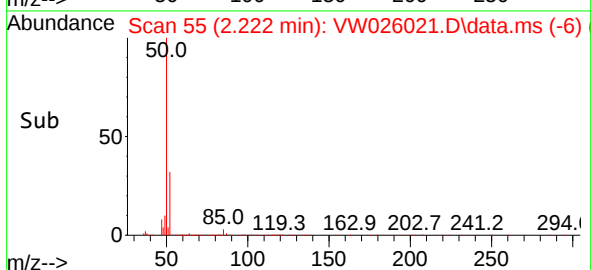
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

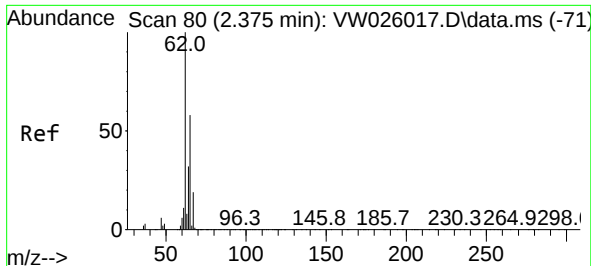


#3  
Chloromethane  
Concen: 20.624 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



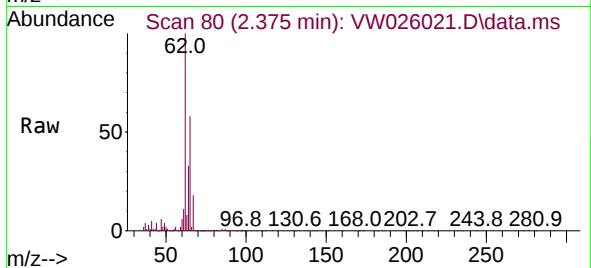
Tgt Ion: 50 Resp: 258371  
Ion Ratio Lower Upper  
50 100  
52 31.9 22.1 41.1





#5  
 Vinyl chloride  
 Concen: 21.734 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW026021.D  
 Acq: 22 May 2023 11:18

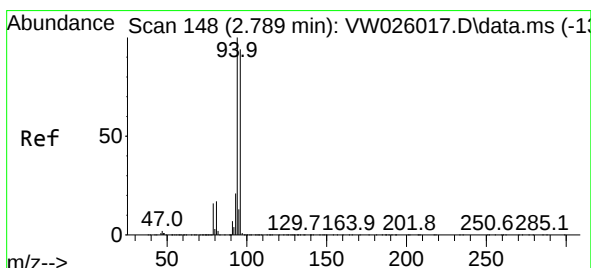
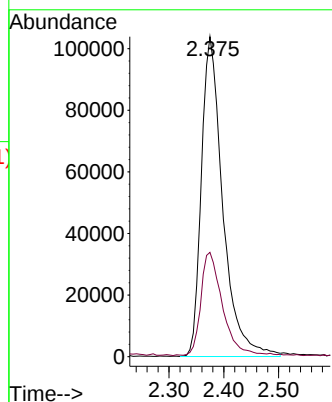
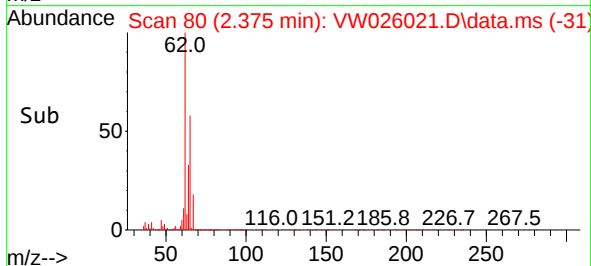
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 H0FJ2MS



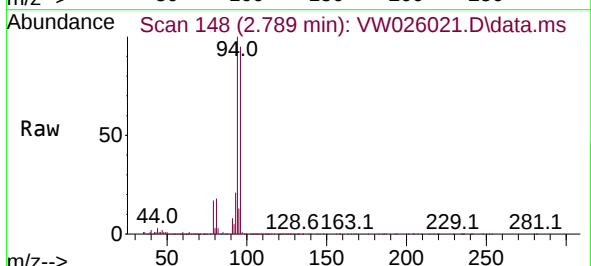
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 Ion Ratio Lower Upper  
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 64 32.6 22.7 42.3

Manual Integrations  
 APPROVED

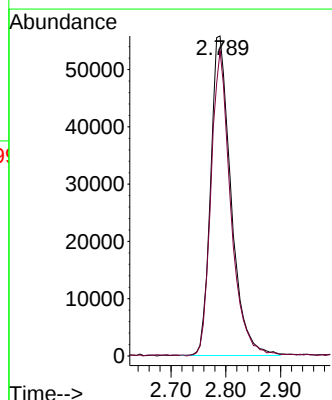
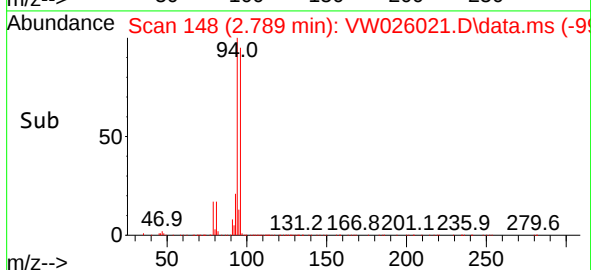
Reviewed By :Semsettin Yesilyurt 05/23/2023  
 Supervised By :Mahesh Dadoda 05/25/2023

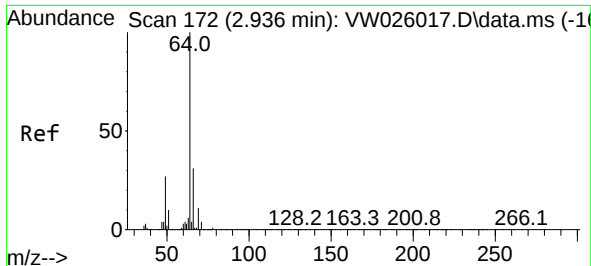


#6  
 Bromomethane  
 Concen: 20.436 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW026021.D  
 Acq: 22 May 2023 11:18



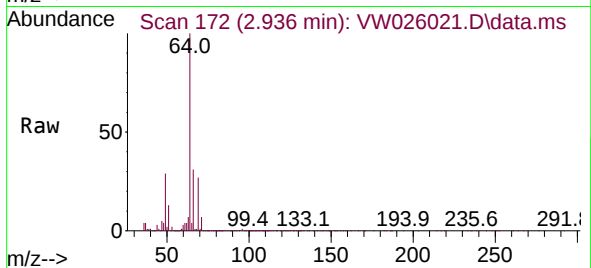
Tgt Ion: 94 Resp: 144131  
 Ion Ratio Lower Upper  
 94 100  
 96 95.3 63.1 117.1





#8  
Chloroethane  
Concen: 23.592 ug/L  
RT: 2.936 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

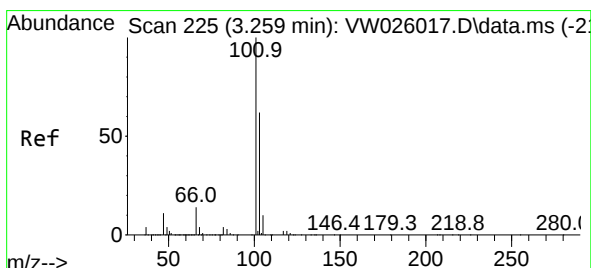
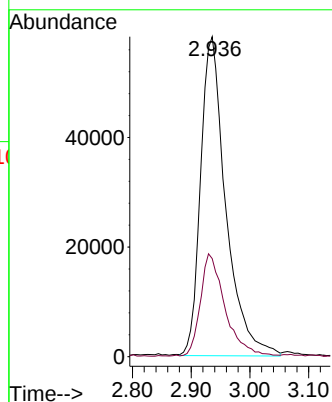
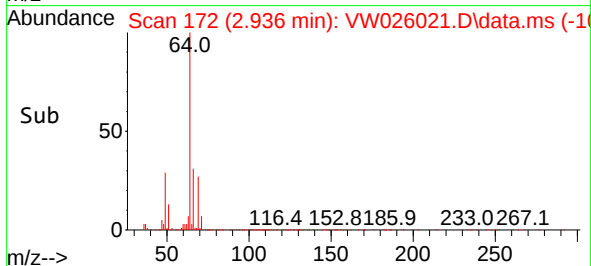
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



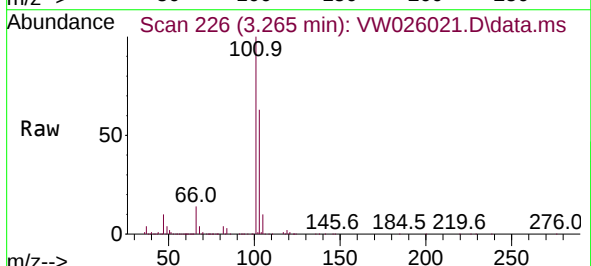
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Ion Ratio Lower Upper  
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66 30.6 22.3 41.3

Manual Integrations  
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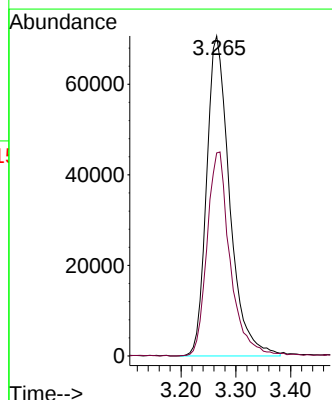
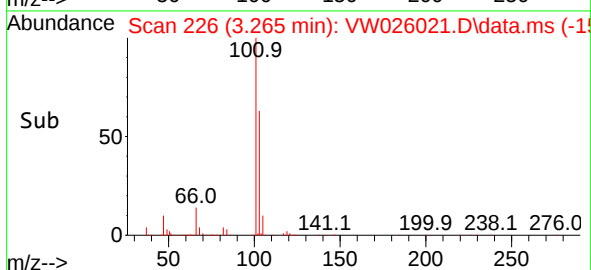
Reviewed By :Semsettin Yesilyurt 05/23/2023  
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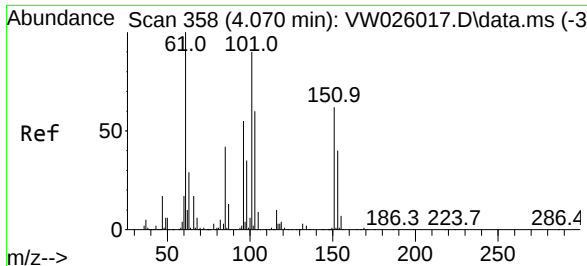


#9  
Trichlorofluoromethane  
Concen: 21.054 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



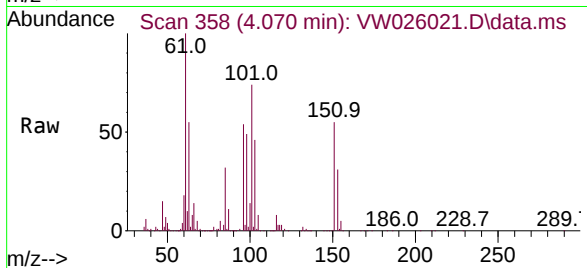
Tgt Ion:101 Resp: 206035  
Ion Ratio Lower Upper  
101 100  
103 63.7 50.6 76.0





#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.444 ug/L  
 RT: 4.070 min Scan# 358  
 Delta R.T. -0.000 min  
 Lab File: VW026021.D  
 Acq: 22 May 2023 11:18

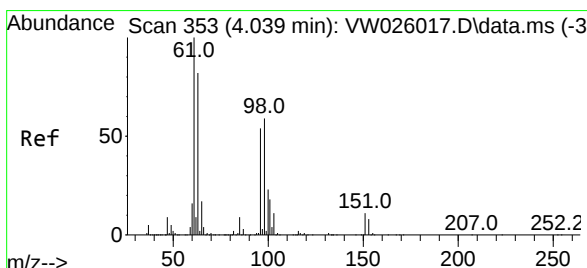
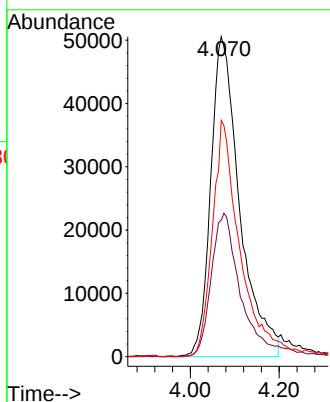
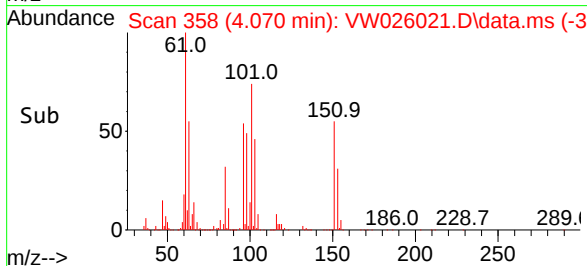
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 H0FJ2MS



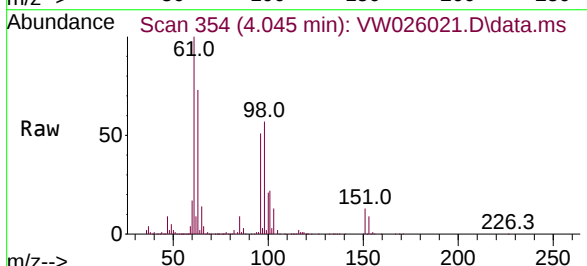
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 151 70.0 54.2 81.2

Manual Integrations  
 APPROVED

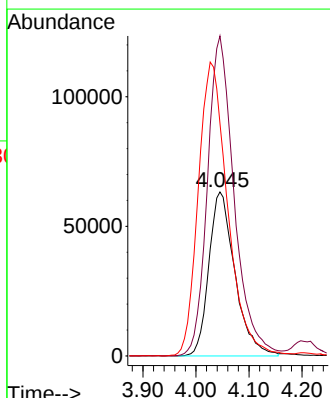
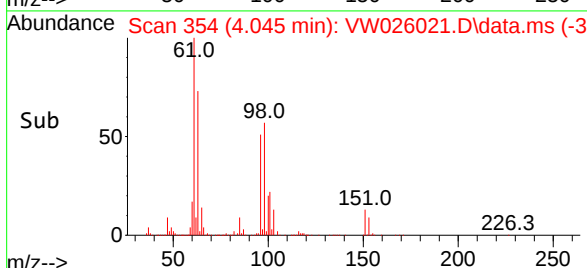
Reviewed By :Semsettin Yesilyurt 05/23/2023  
 Supervised By :Mahesh Dadoda 05/25/2023

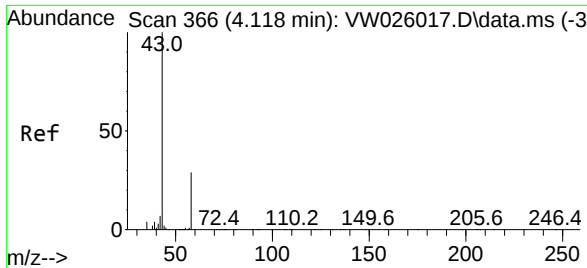


#12  
 1,1-Dichloroethene  
 Concen: 21.216 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.006 min  
 Lab File: VW026021.D  
 Acq: 22 May 2023 11:18



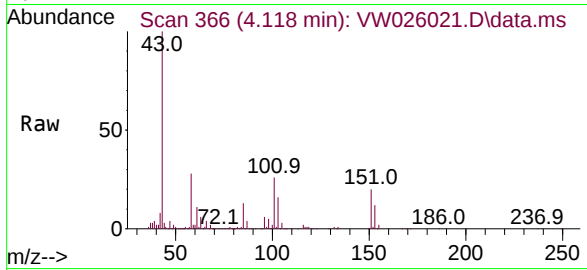
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 Ion Ratio Lower Upper  
 96 100  
 61 195.1 135.0 250.8  
 63 141.8 104.9 194.7





#13  
Acetone  
Concen: 58.681 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

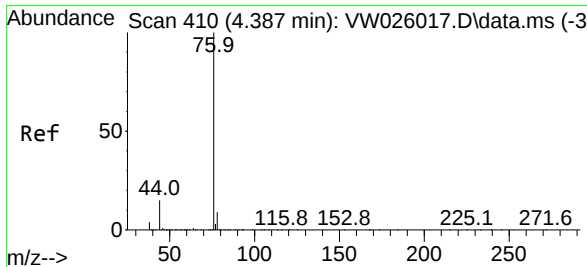
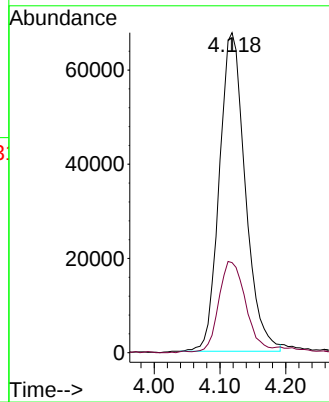
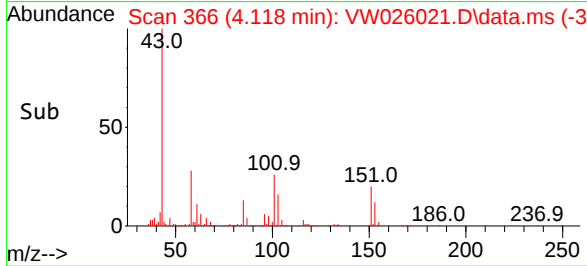
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



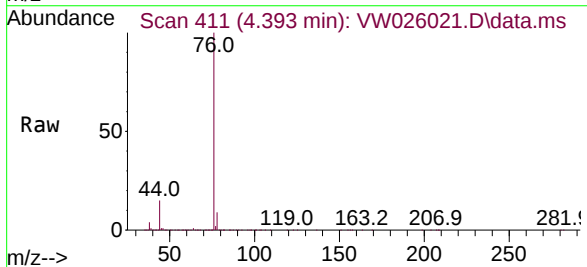
Tgt Ion: 43 Resp: 18538  
Ion Ratio Lower Upper  
43 100  
58 29.7 0.0 58.2

Manual Integrations  
APPROVED

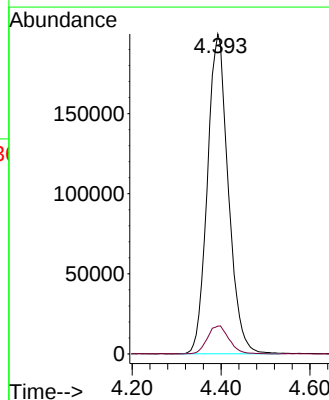
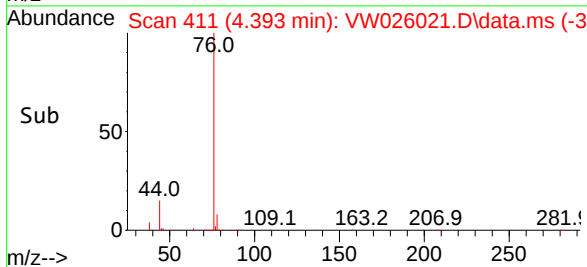
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

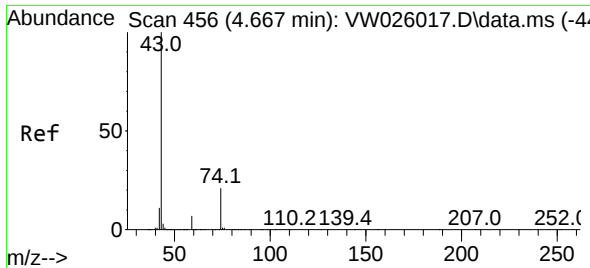


#14  
Carbon disulfide  
Concen: 18.959 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



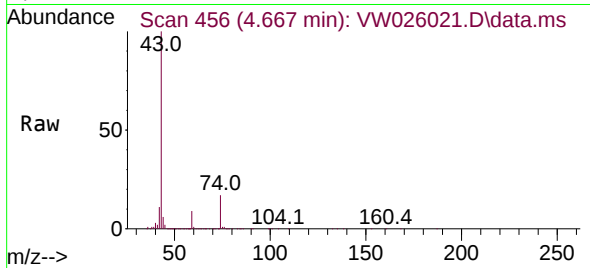
Tgt Ion: 76 Resp: 652148  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0





#15  
Methyl Acetate  
Concen: 13.142 ug/L m  
RT: 4.667 min Scan# 456  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

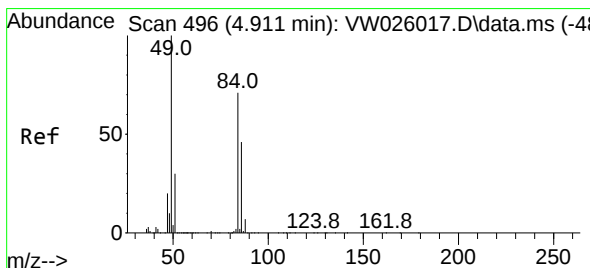
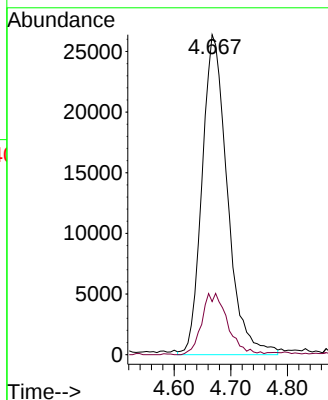
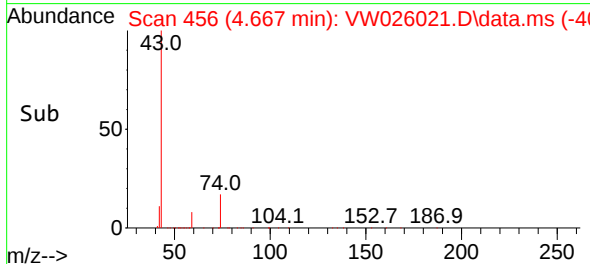
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



Tgt Ion: 43 Resp: 81814  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.5 24.7

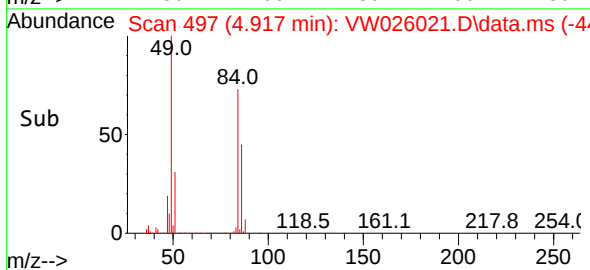
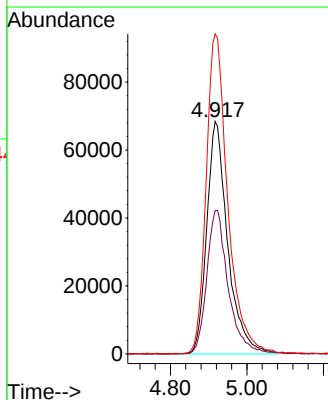
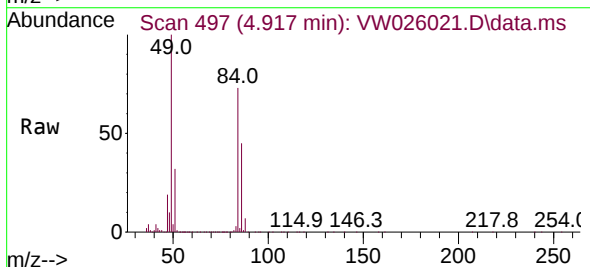
Manual Integrations  
APPROVED

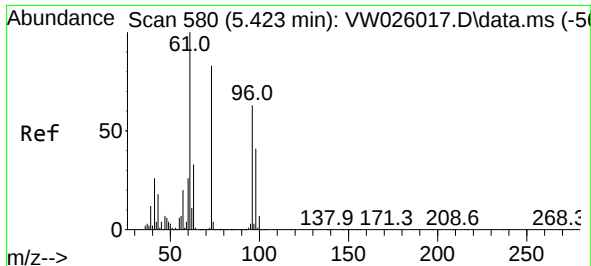
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#16  
Methylene chloride  
Concen: 16.619 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

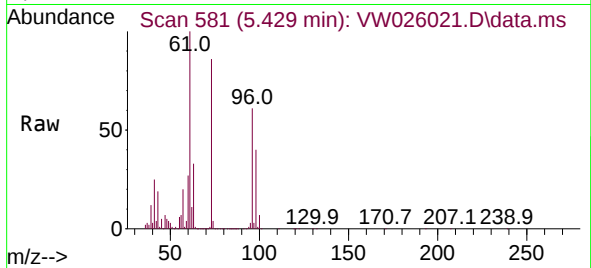
Tgt Ion: 84 Resp: 260660  
Ion Ratio Lower Upper  
84 100  
86 61.7 41.7 77.5  
49 137.7 95.3 177.1





#17  
trans-1,2-Dichloroethene  
Concen: 21.209 ug/L  
RT: 5.429 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

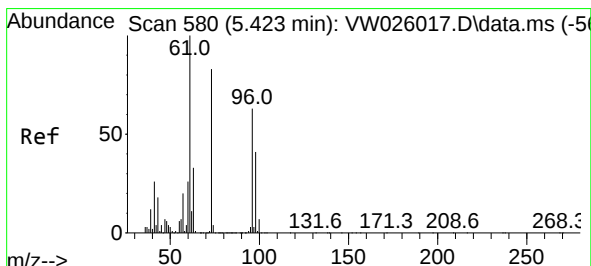
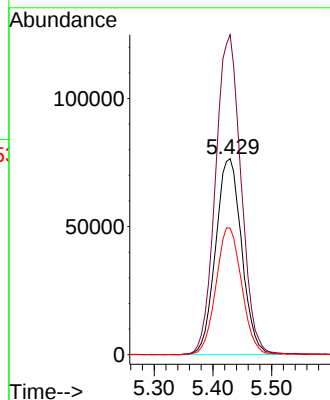
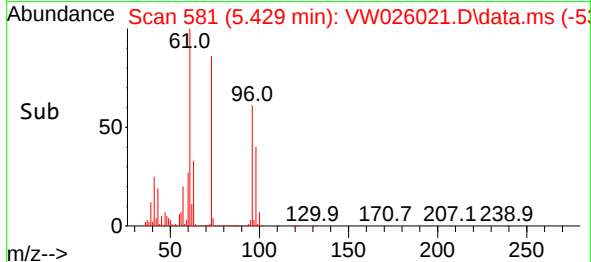
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



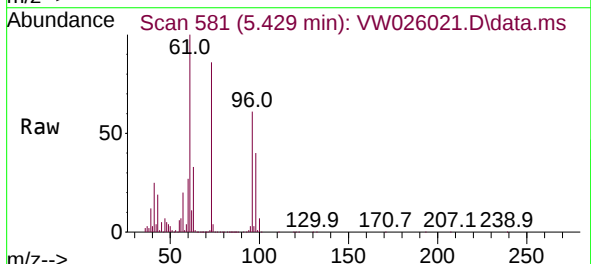
Tgt Ion: 96 Resp: 23534  
Ion Ratio Lower Upper  
96 100  
61 163.3 108.1 200.9  
98 64.6 44.0 81.8

Manual Integrations  
APPROVED

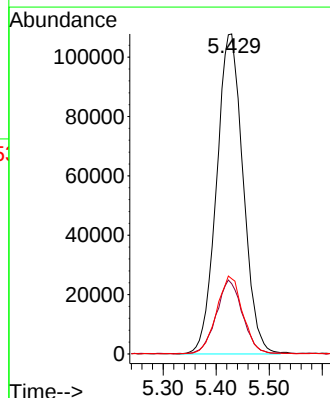
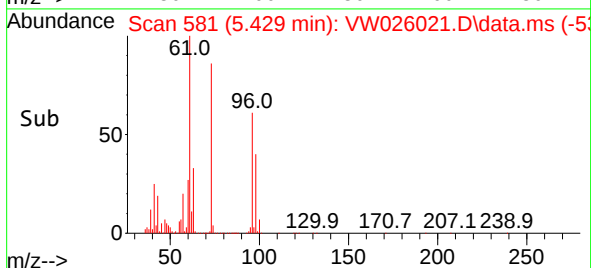
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

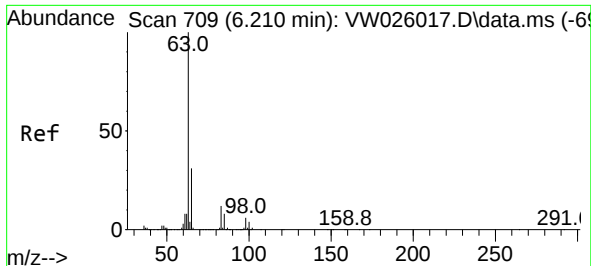


#18  
Methyl tert-butyl Ether  
Concen: 22.255 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



Tgt Ion: 73 Resp: 374794  
Ion Ratio Lower Upper  
73 100  
43 22.5 18.2 27.4  
57 23.8 19.2 28.8





#19

1,1-Dichloroethane

Concen: 23.027 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.012 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MS

Tgt Ion: 63 Resp: 524964

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

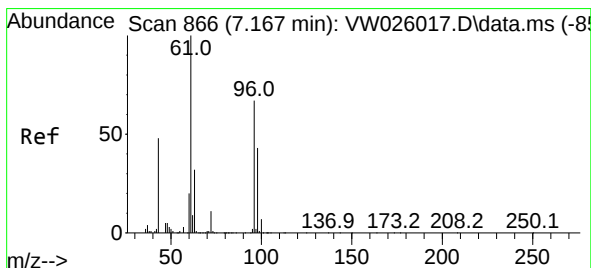
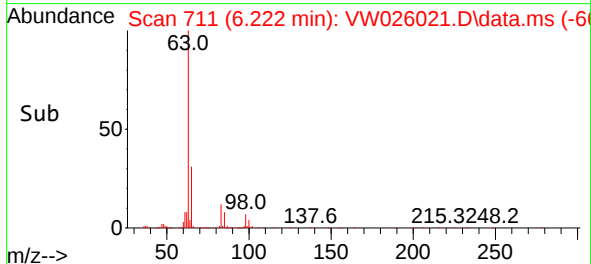
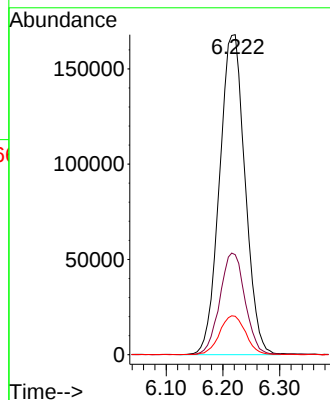
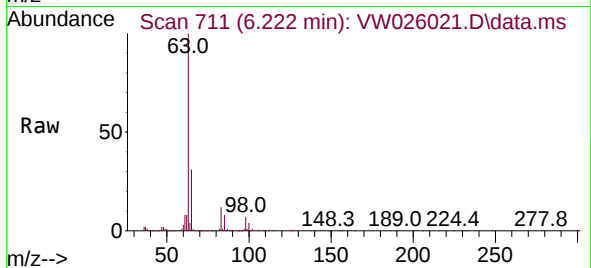
83 12.0 8.7 16.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2023

Supervised By :Mahesh Dadoda 05/25/2023



#20

cis-1,2-Dichloroethene

Concen: 22.649 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

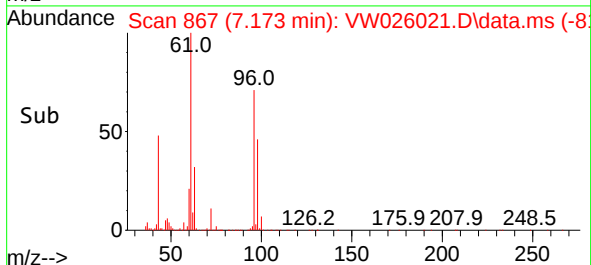
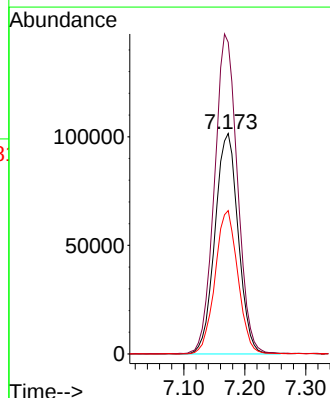
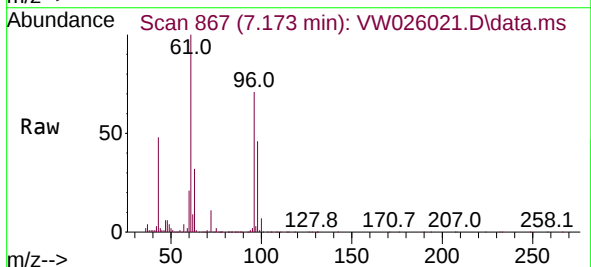
Tgt Ion: 96 Resp: 269625

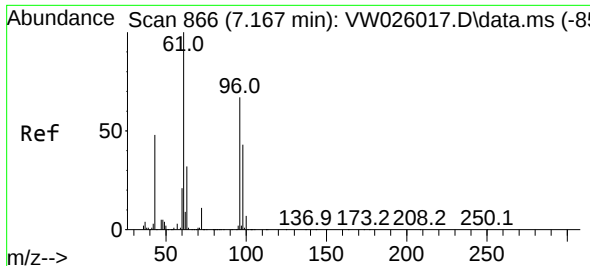
Ion Ratio Lower Upper

96 100

61 141.4 98.6 183.0

98 65.1 45.2 84.0





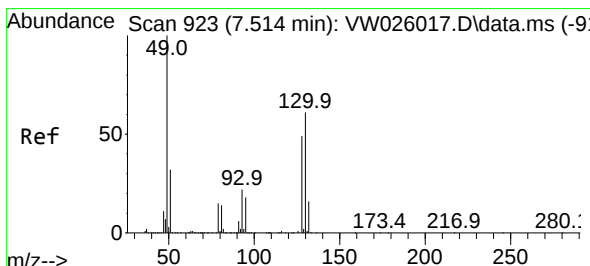
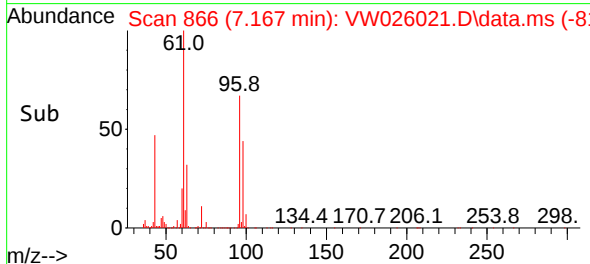
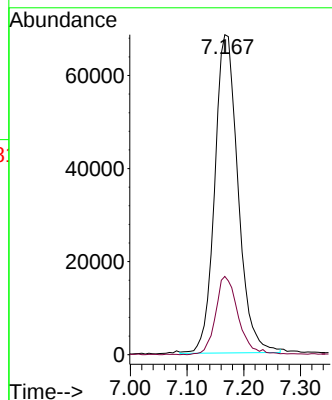
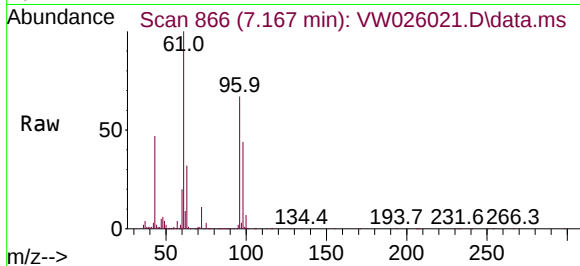
#22  
2-Butanone  
Concen: 44.799 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS

Tgt Ion: 43 Resp: 195420  
Ion Ratio Lower Upper  
43 100  
72 23.4 11.8 35.4

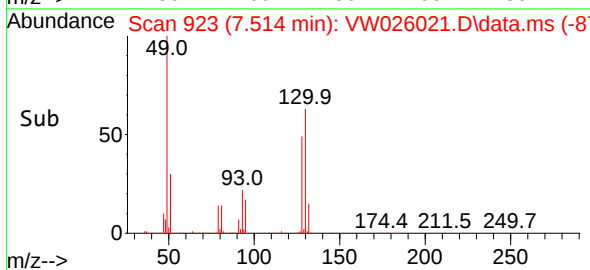
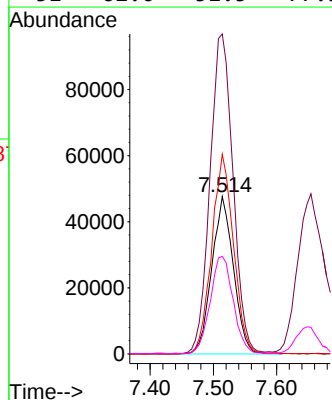
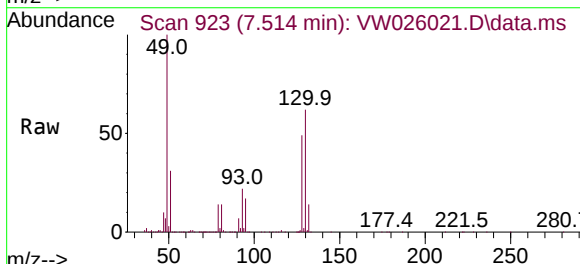
Manual Integrations  
APPROVED

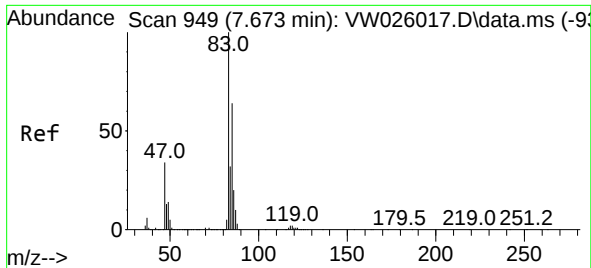
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#23  
Bromochloromethane  
Concen: 22.447 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

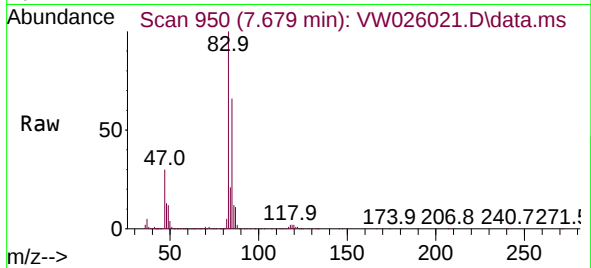
Tgt Ion:128 Resp: 113206  
Ion Ratio Lower Upper  
128 100  
49 203.3 151.5 281.5  
130 126.8 91.3 169.6  
51 62.0 51.5 77.3





#25  
Chloroform  
Concen: 23.687 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

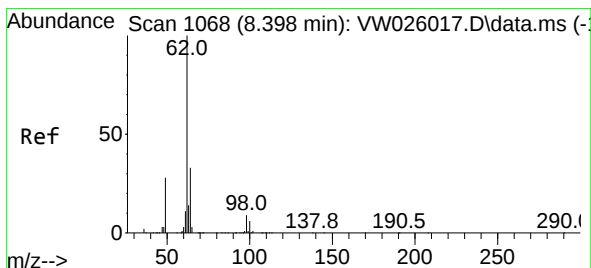
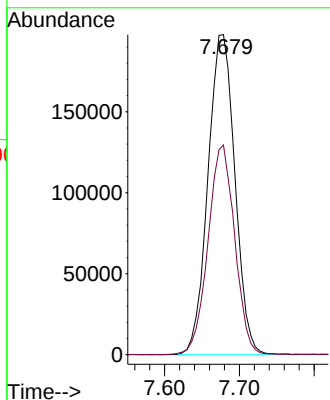
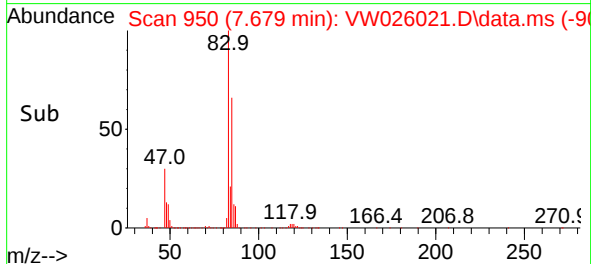
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



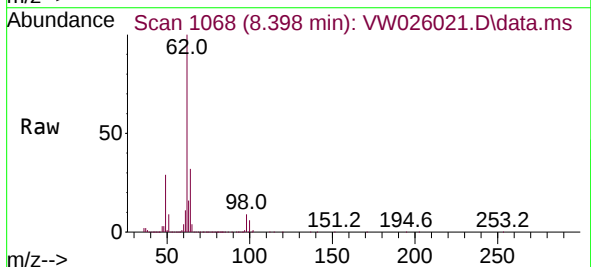
Tgt Ion: 83 Resp: 496314  
Ion Ratio Lower Upper  
83 100  
85 65.6 45.1 83.9

Manual Integrations  
APPROVED

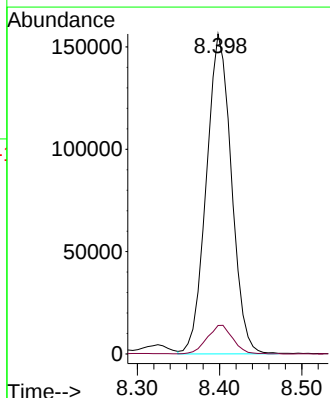
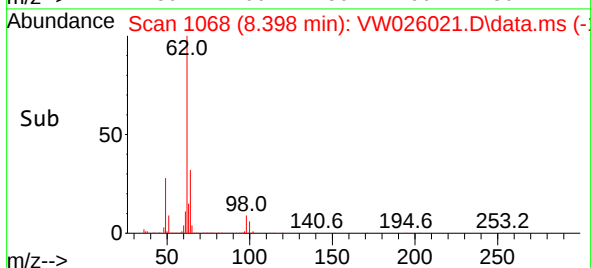
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

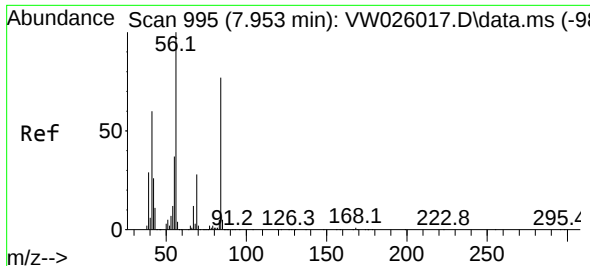


#27  
1,2-Dichloroethane  
Concen: 22.262 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



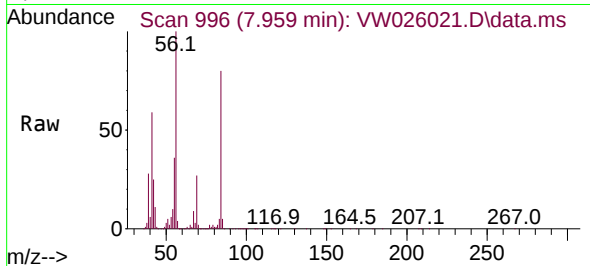
Tgt Ion: 62 Resp: 331270  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.2 10.8





#29  
Cyclohexane  
Concen: 20.982 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

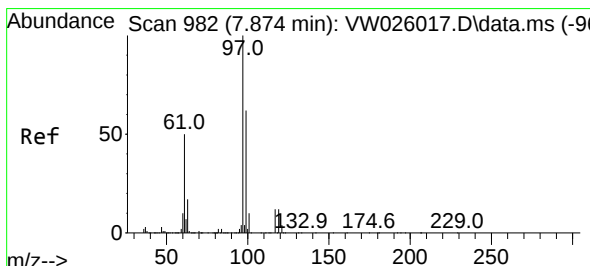
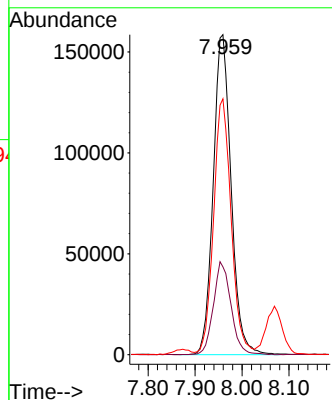
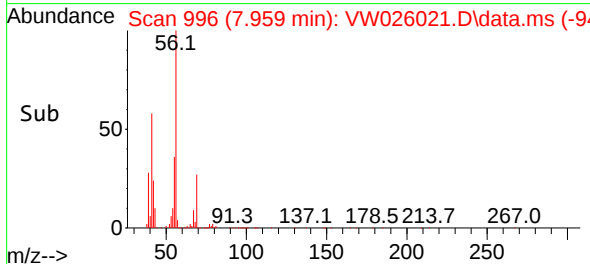
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



Tgt Ion: 56 Resp: 420083  
Ion Ratio Lower Upper  
56 100  
69 28.5 23.4 35.0  
84 78.7 63.3 94.9

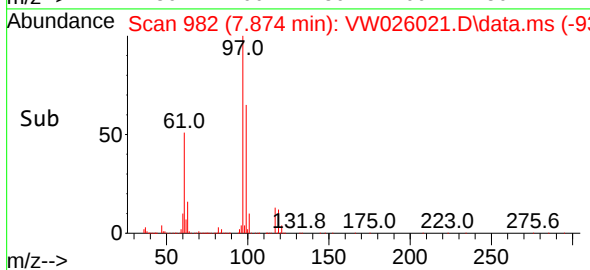
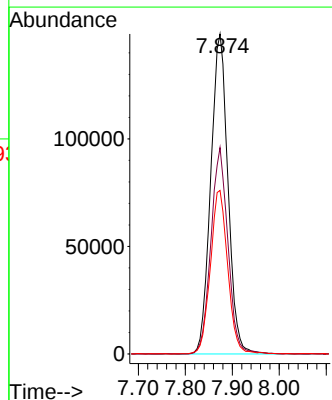
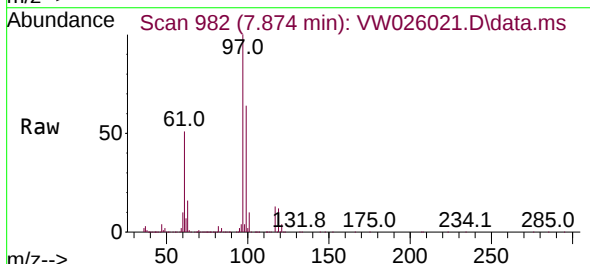
Manual Integrations  
APPROVED

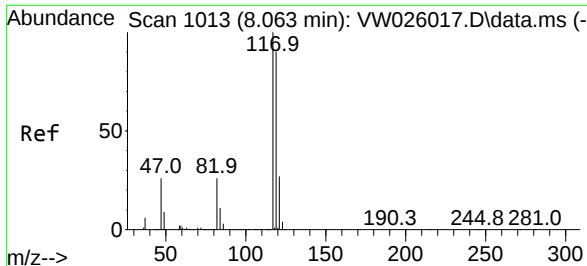
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#30  
1,1,1-Trichloroethane  
Concen: 23.930 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

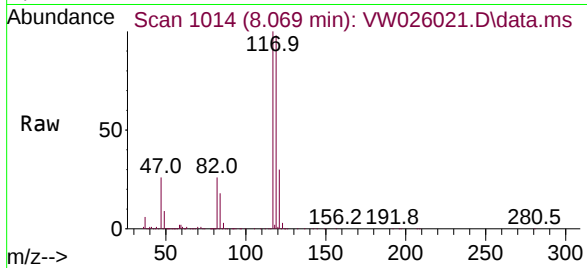
Tgt Ion: 97 Resp: 378104  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.1 76.7  
61 51.3 40.4 60.6





#31  
Carbon tetrachloride  
Concen: 22.838 ug/L  
RT: 8.069 min Scan# 1013  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

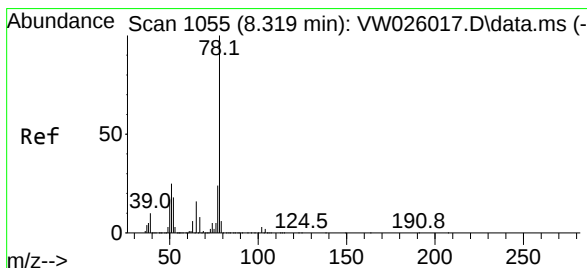
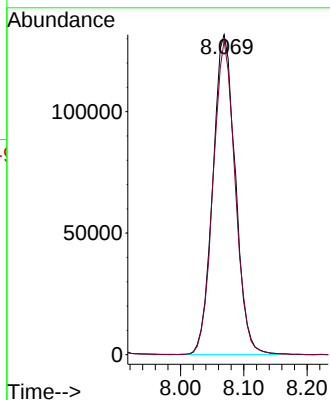
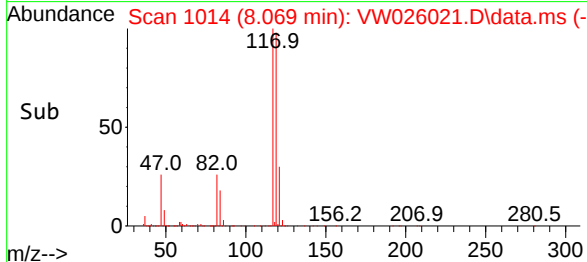
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



Tgt Ion:117 Resp: 324730  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.9 115.3

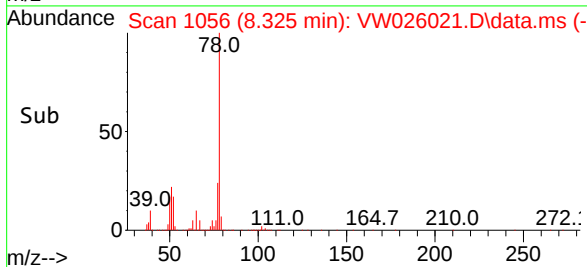
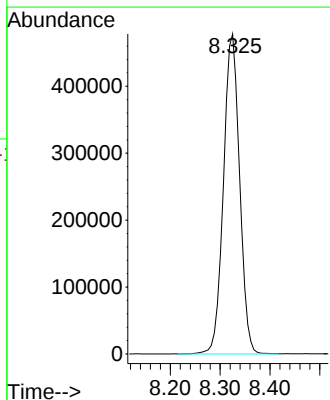
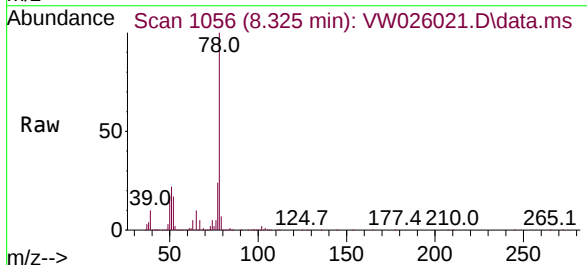
Manual Integrations  
APPROVED

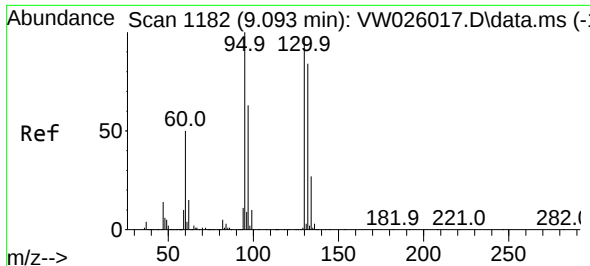
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#33  
Benzene  
Concen: 24.003 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

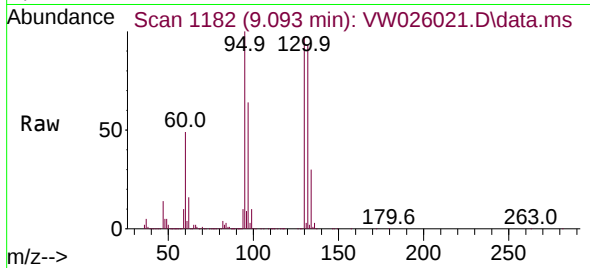
Tgt Ion: 78 Resp: 1072877





#34  
Trichloroethene  
Concen: 22.978 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

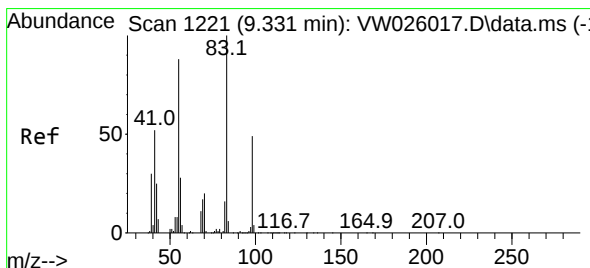
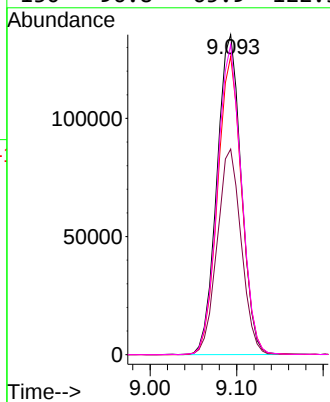
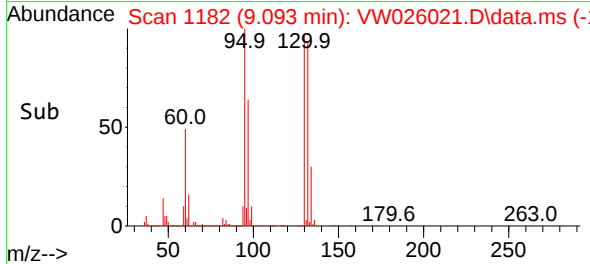
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



Tgt Ion: 95 Resp: 26355  
Ion Ratio Lower Upper  
95 100  
97 64.2 45.9 85.3  
132 93.2 66.0 122.6  
130 96.8 65.9 122.3

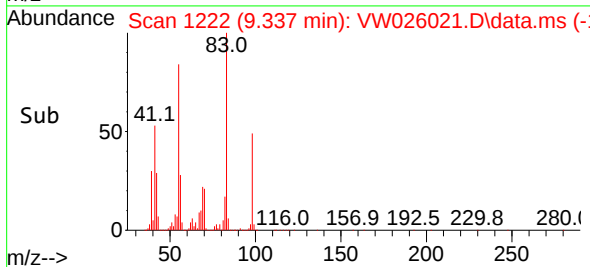
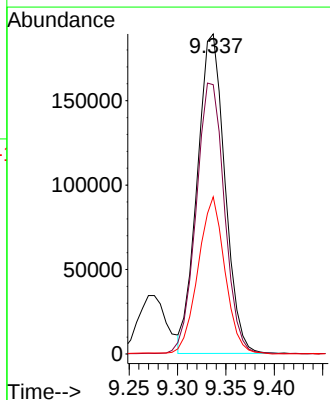
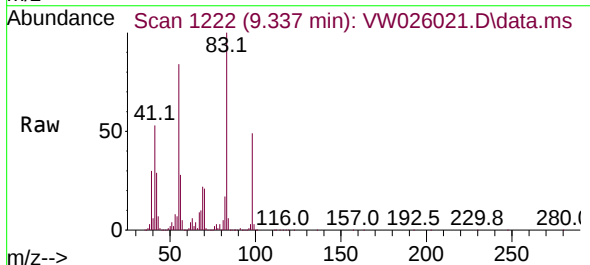
Manual Integrations  
APPROVED

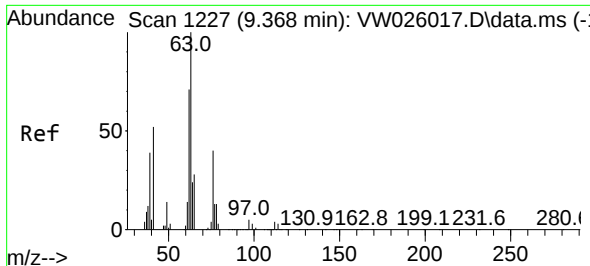
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#35  
Methylcyclohexane  
Concen: 18.423 ug/L  
RT: 9.337 min Scan# 1222  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

Tgt Ion: 83 Resp: 375829  
Ion Ratio Lower Upper  
83 100  
55 87.0 69.0 103.4  
98 47.9 37.1 55.7





#37

1,2-Dichloropropane

Concen: 24.030 ug/L

RT: 9.367 min Scan# 112

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MS

Tgt Ion: 63 Resp: 29427

Ion Ratio Lower Upper

63 100

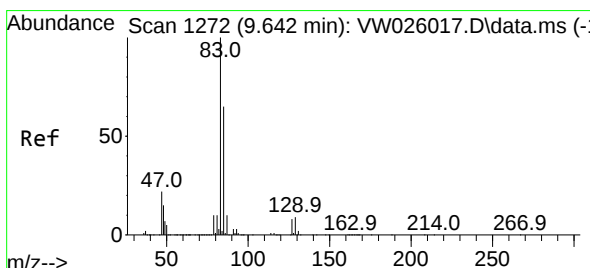
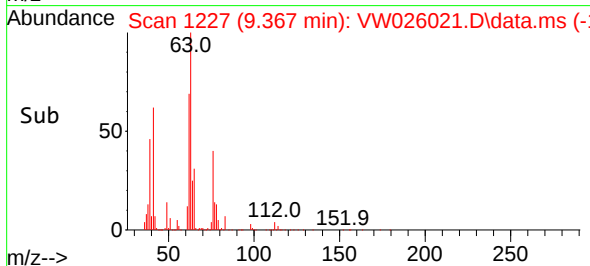
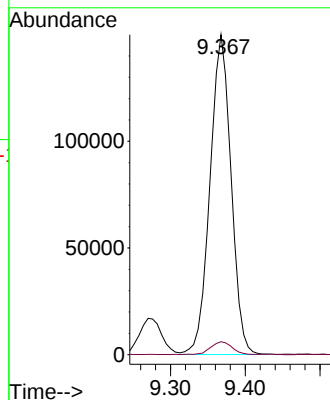
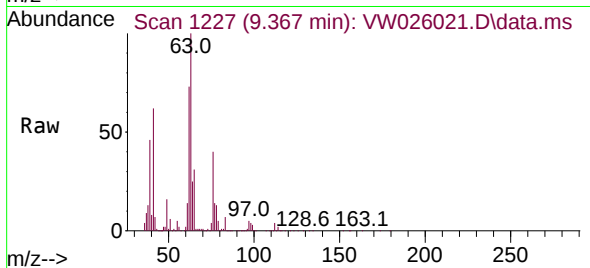
112 4.1 3.3 4.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2023

Supervised By :Mahesh Dadoda 05/25/2023



#38

Bromodichloromethane

Concen: 23.994 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

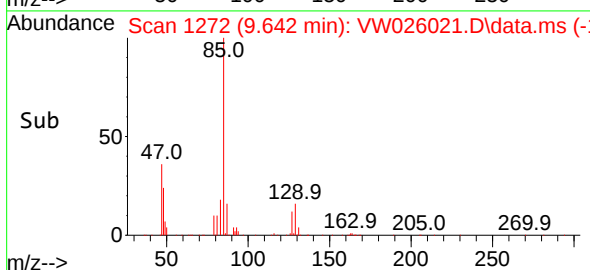
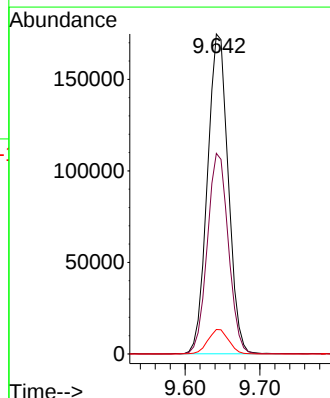
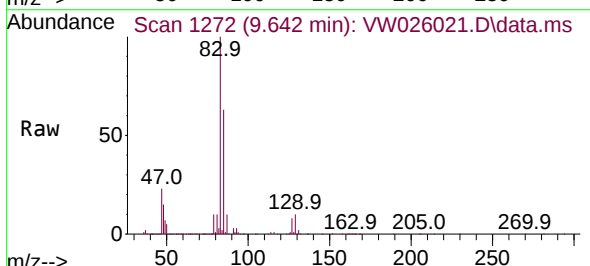
Tgt Ion: 83 Resp: 337113

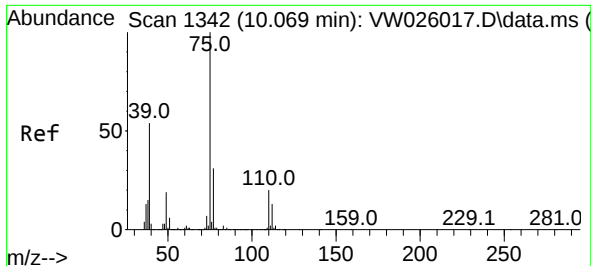
Ion Ratio Lower Upper

83 100

85 62.7 44.4 82.5

127 7.7 6.5 9.7





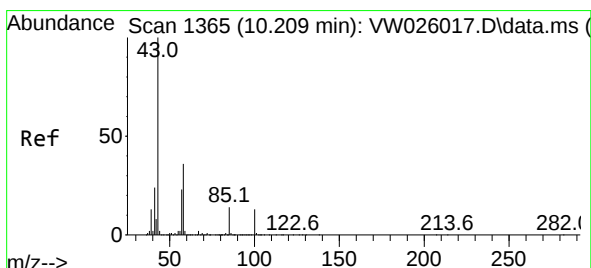
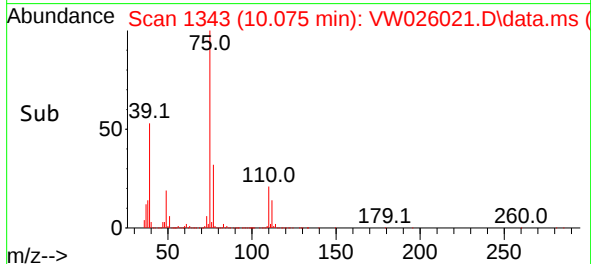
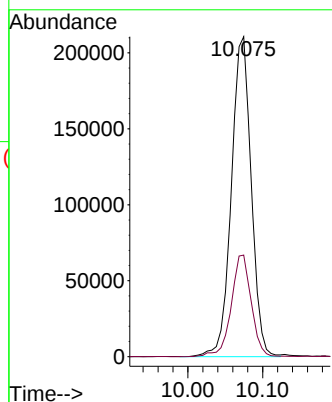
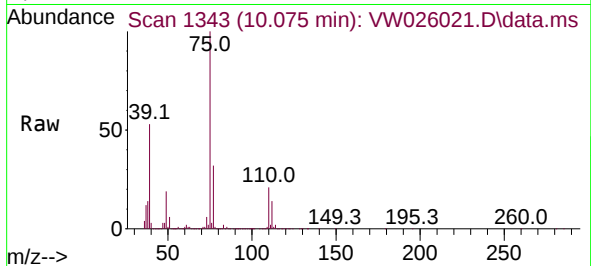
#39  
cis-1,3-Dichloropropene  
Concen: 21.640 ug/L  
RT: 10.075 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS

Tgt Ion: 75 Resp: 38862  
Ion Ratio Lower Upper  
75 100  
77 31.7 22.4 41.6

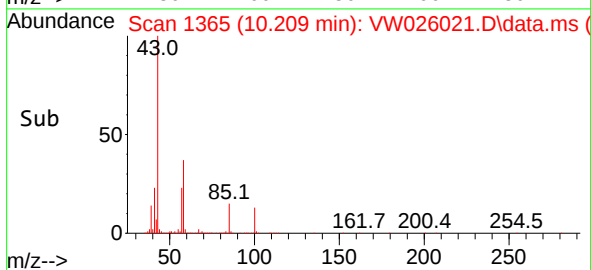
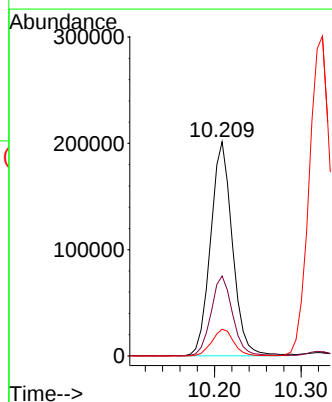
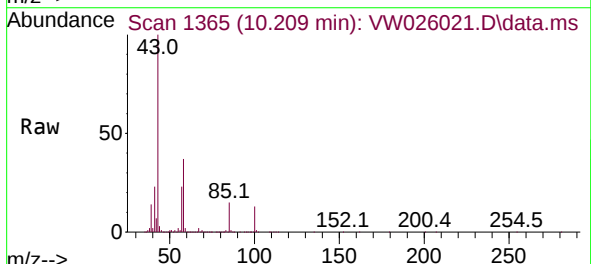
Manual Integrations  
APPROVED

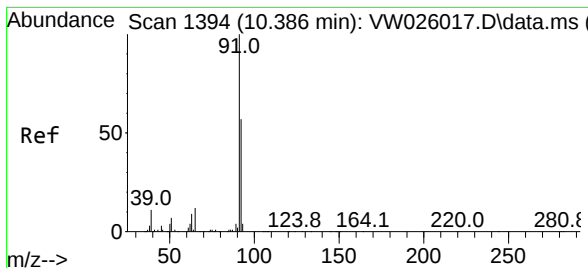
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#40  
4-Methyl-2-pentanone  
Concen: 44.197 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

Tgt Ion: 43 Resp: 352301  
Ion Ratio Lower Upper  
43 100  
58 37.1 29.4 44.0  
100 12.7 10.1 15.1





#42

Toluene

Concen: 24.128 ug/L

RT: 10.386 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026021.D

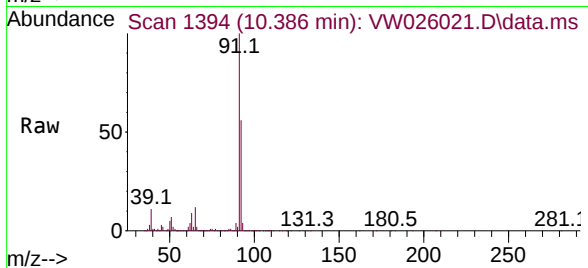
Acq: 22 May 2023 11:18

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MS



Tgt Ion: 91 Resp: 1101984

Ion Ratio Lower Upper

91 100

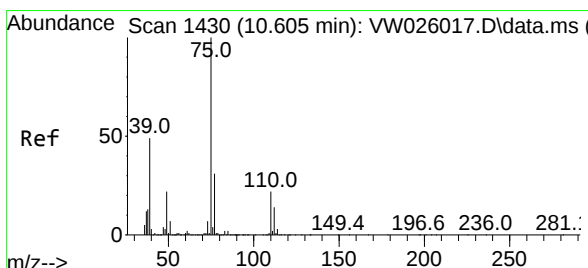
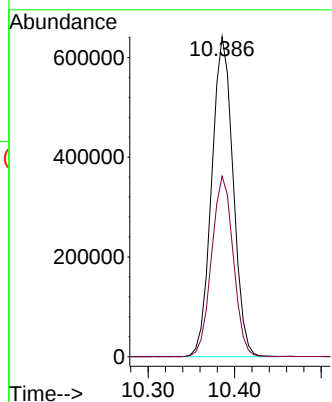
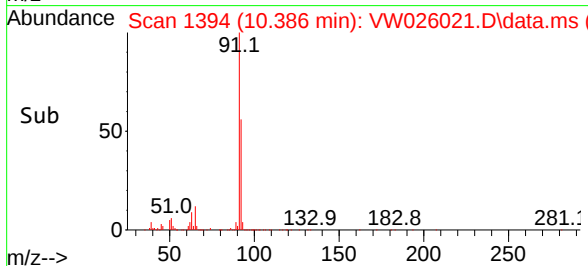
92 56.4 40.2 74.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2023

Supervised By :Mahesh Dadoda 05/25/2023



#44

trans-1,3-Dichloropropene

Concen: 22.330 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW026021.D

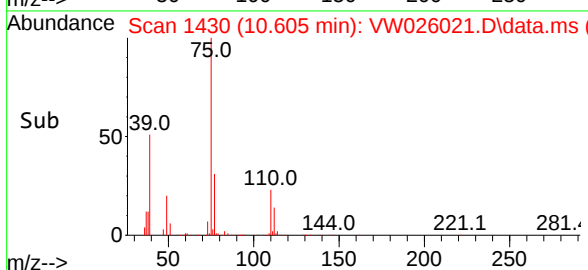
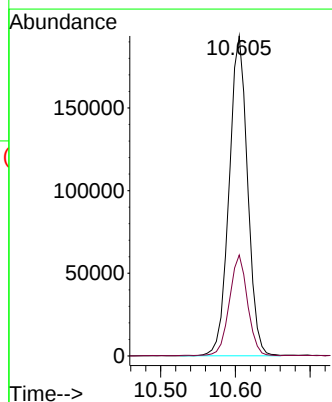
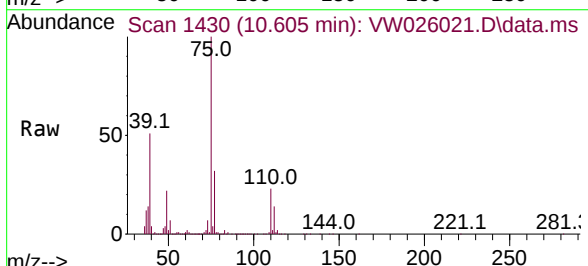
Acq: 22 May 2023 11:18

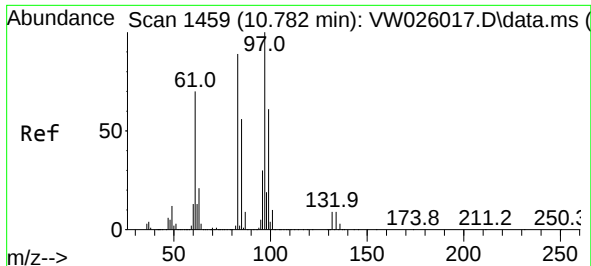
Tgt Ion: 75 Resp: 332288

Ion Ratio Lower Upper

75 100

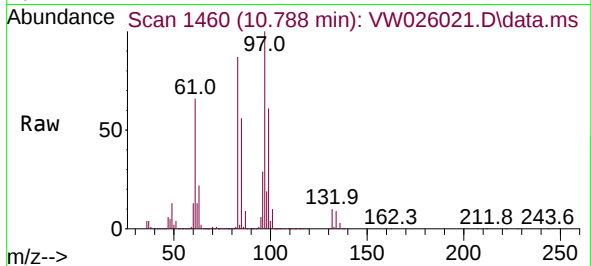
77 31.5 21.8 40.4





#45  
1,1,2-Trichloroethane  
Concen: 23.419 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

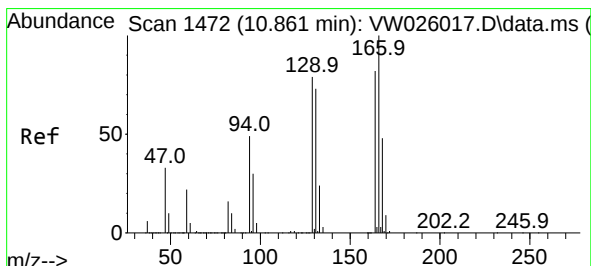
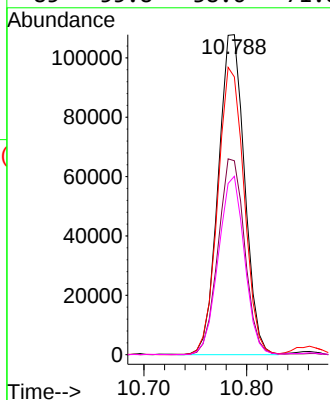
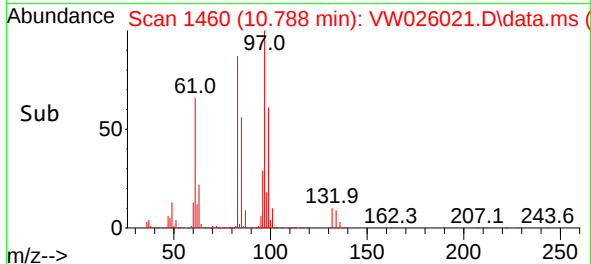
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



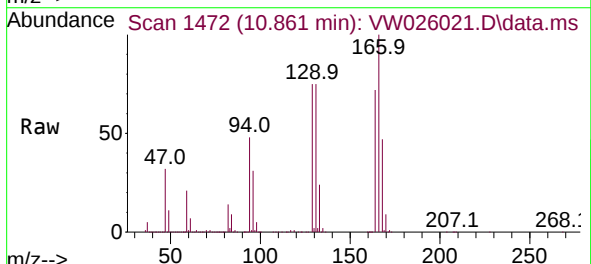
| Tgt Ion:  | 97   | Resp: | 19184 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 97        | 100  |       |       |
| 99        | 60.6 | 44.5  | 82.7  |
| 83        | 86.8 | 63.0  | 117.0 |
| 85        | 55.8 | 38.6  | 71.8  |

Manual Integrations  
APPROVED

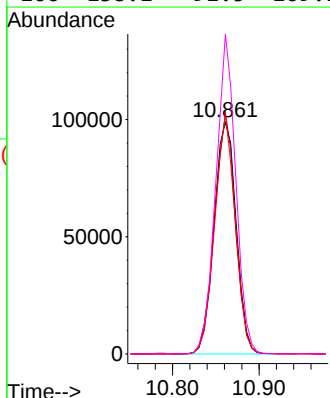
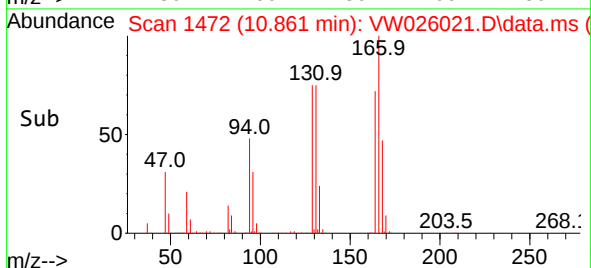
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

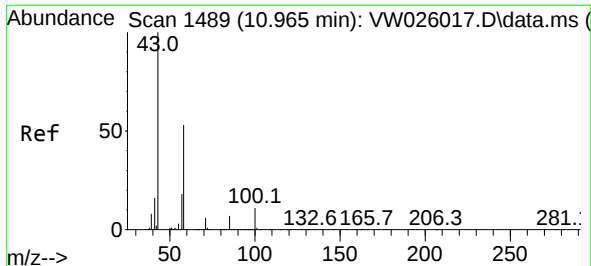


#46  
Tetrachloroethene  
Concen: 21.746 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



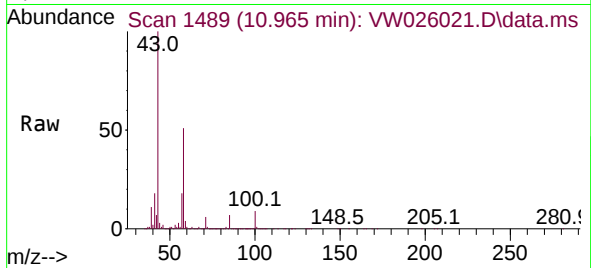
| Tgt Ion:  | 164   | Resp: | 175474 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 164       | 100   |       |        |
| 129       | 103.8 | 74.3  | 138.1  |
| 131       | 103.8 | 71.3  | 132.3  |
| 166       | 138.1 | 91.5  | 169.9  |





#48  
2-Hexanone  
Concen: 46.196 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

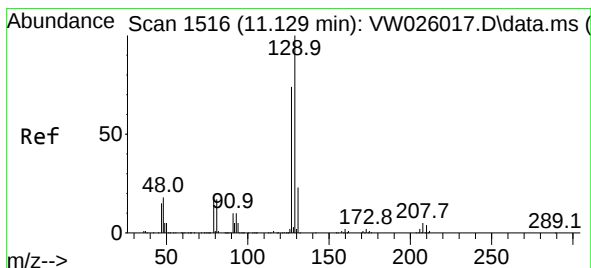
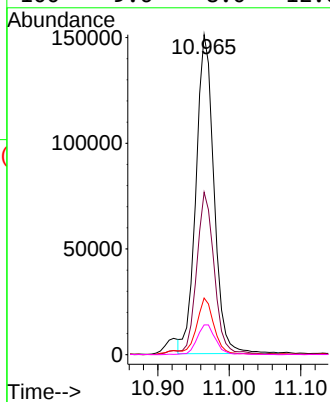
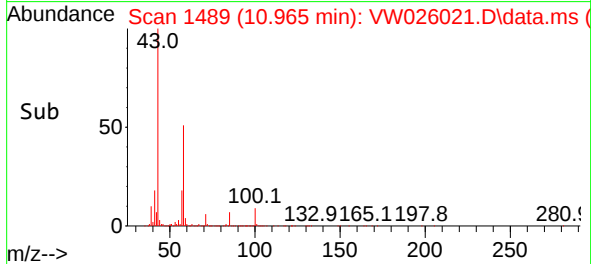
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



Tgt Ion: 43 Resp: 26379  
Ion Ratio Lower Upper  
43 100  
58 47.0 40.8 61.2  
57 16.8 13.6 20.4  
100 9.6 8.0 12.0

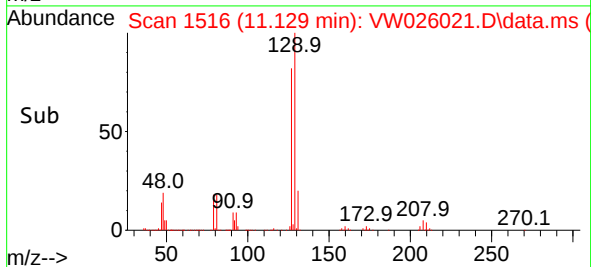
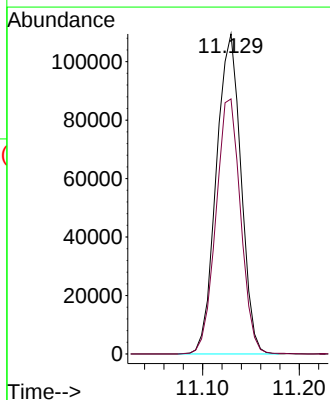
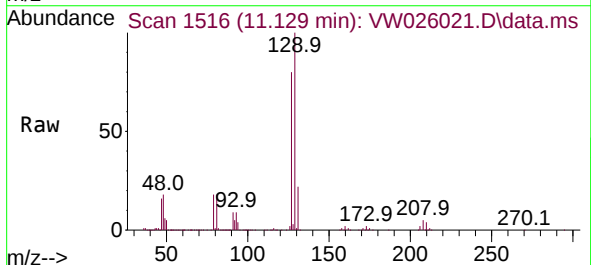
Manual Integrations  
APPROVED

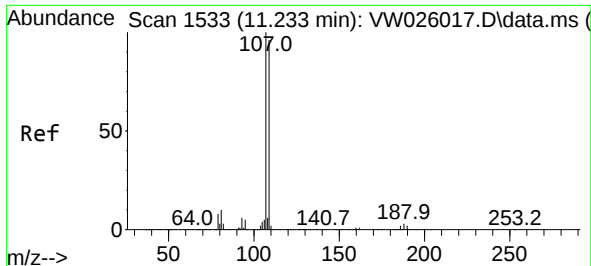
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#49  
Dibromochloromethane  
Concen: 22.878 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

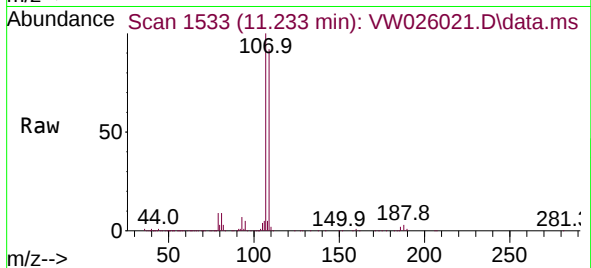
Tgt Ion:129 Resp: 194025  
Ion Ratio Lower Upper  
129 100  
127 79.7 56.1 104.3





#50  
1,2-Dibromoethane  
Concen: 22.247 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

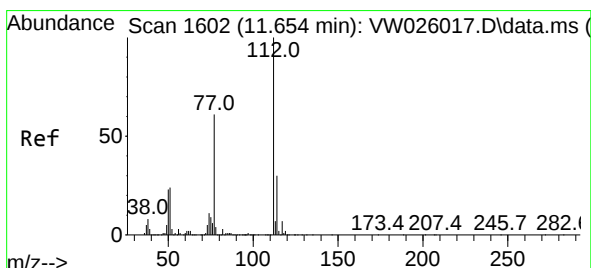
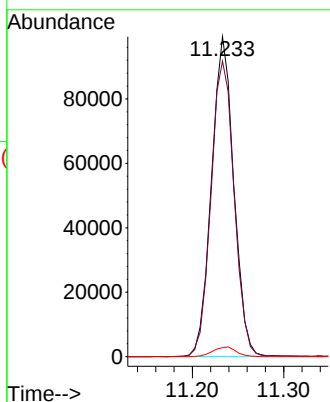
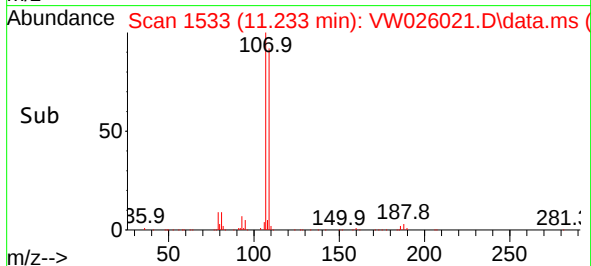
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



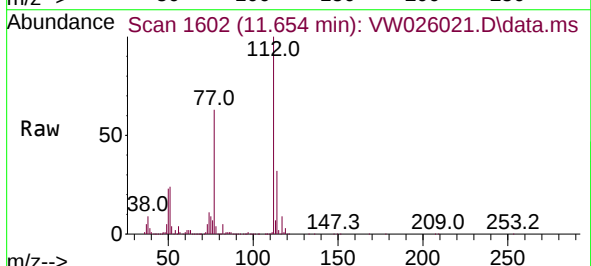
Tgt Ion:107 Resp: 168010  
Ion Ratio Lower Upper  
107 100  
109 92.4 67.5 125.4  
188 2.8 2.6 4.0

Manual Integrations  
APPROVED

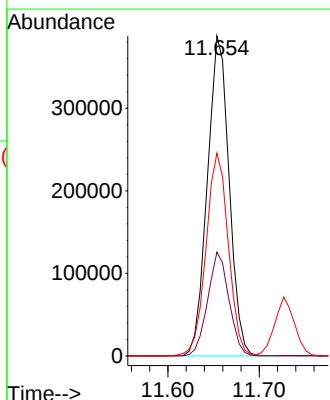
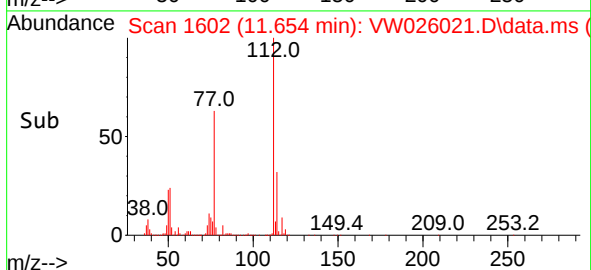
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

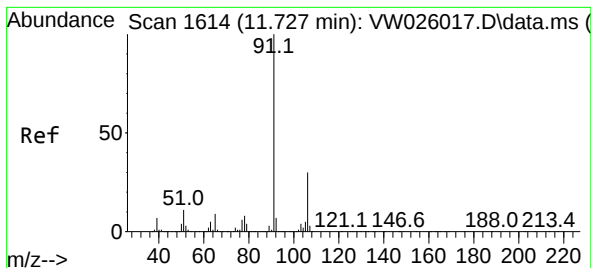


#51  
Chlorobenzene  
Concen: 22.643 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



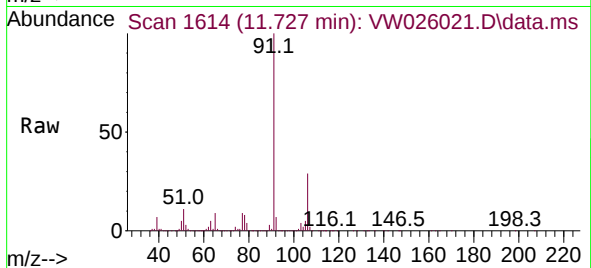
Tgt Ion:112 Resp: 640648  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.7 42.3  
77 63.4 53.0 79.6





#52  
Ethylbenzene  
Concen: 23.099 ug/L  
RT: 11.727 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

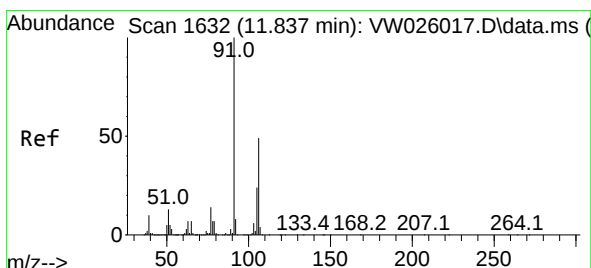
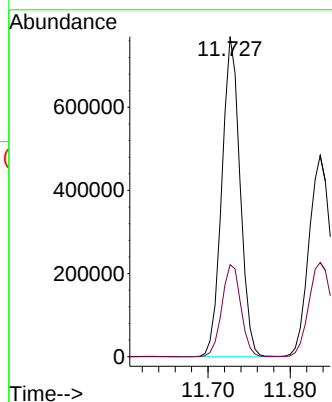
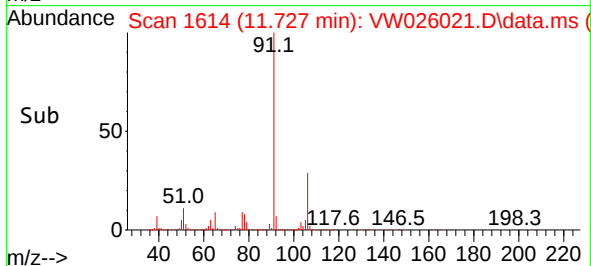
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



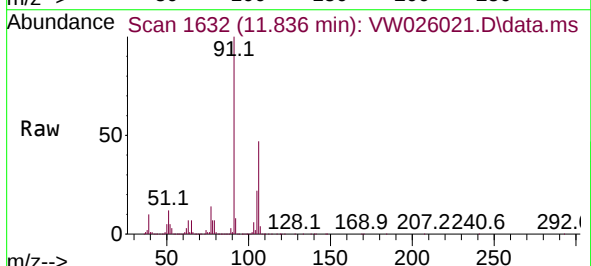
Tgt Ion: 91 Resp: 1186708  
Ion Ratio Lower Upper  
91 100  
106 28.8 20.8 38.6

Manual Integrations  
APPROVED

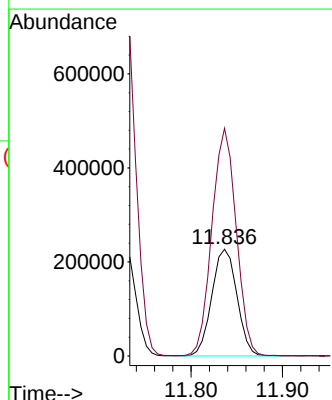
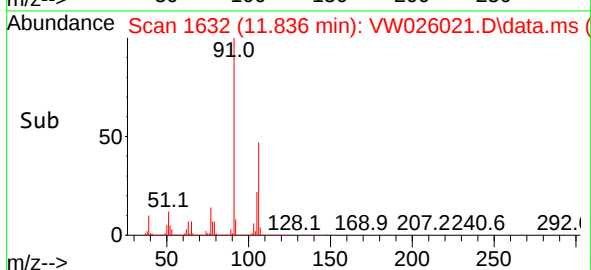
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

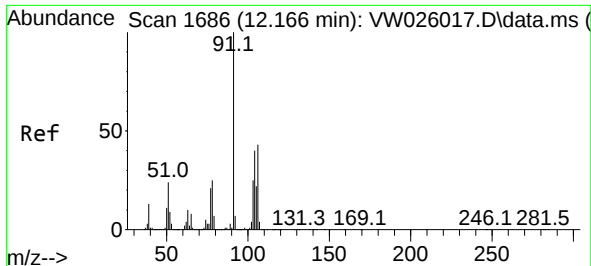


#53  
m,p-Xylene  
Concen: 22.931 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



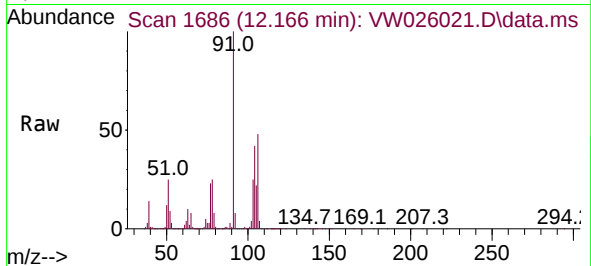
Tgt Ion:106 Resp: 433581  
Ion Ratio Lower Upper  
106 100  
91 213.4 150.1 278.9





#54  
o-Xylene  
Concen: 23.272 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

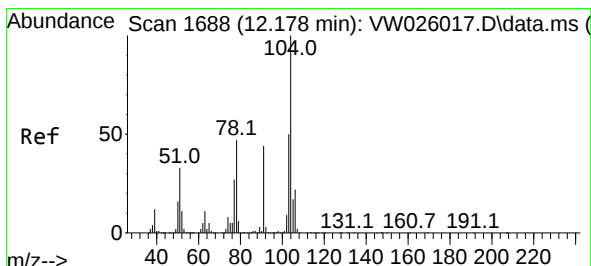
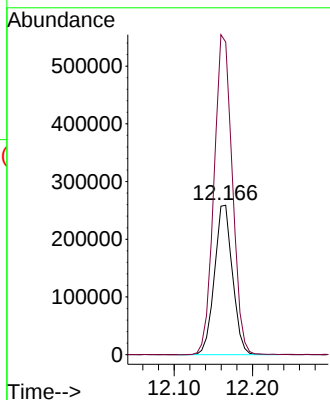
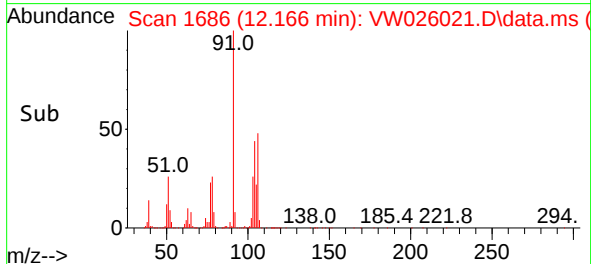
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



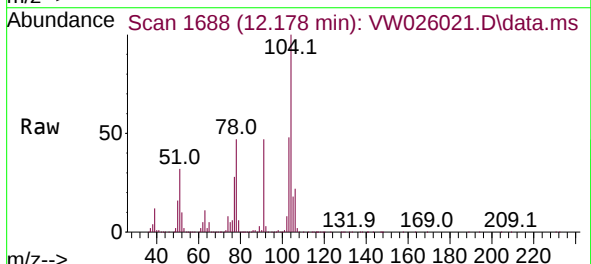
Tgt Ion:106 Resp: 414752  
Ion Ratio Lower Upper  
106 100  
91 209.2 157.8 293.1

Manual Integrations  
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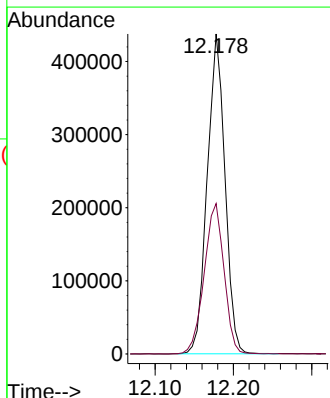
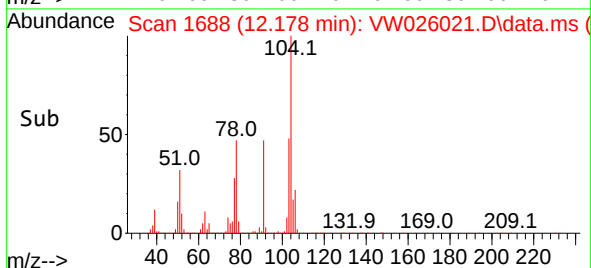
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

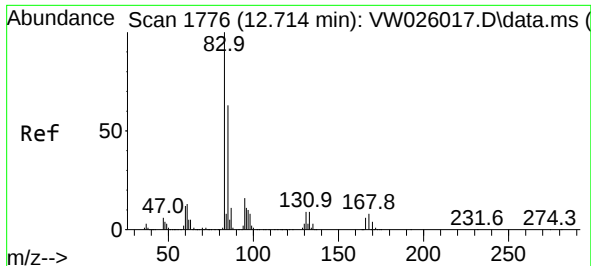


#55  
Styrene  
Concen: 22.538 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



Tgt Ion:104 Resp: 687500  
Ion Ratio Lower Upper  
104 100  
78 47.0 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 21.740 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MS

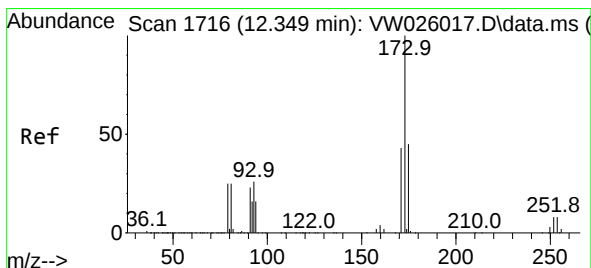
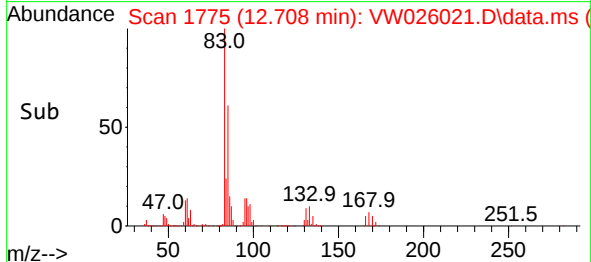
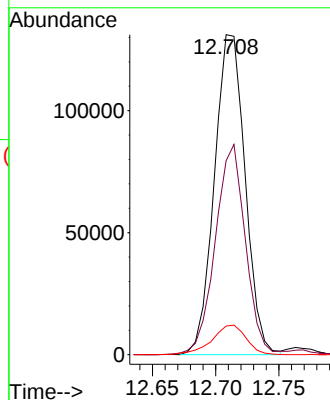
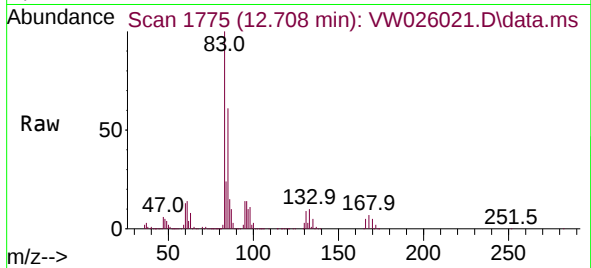
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 22221 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 60.6     | 45.6 84.8   |
| 131 9.0     | 8.1 12.1    |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2023

Supervised By :Mahesh Dadoda 05/25/2023



#59

Bromoform

Concen: 25.697 ug/L

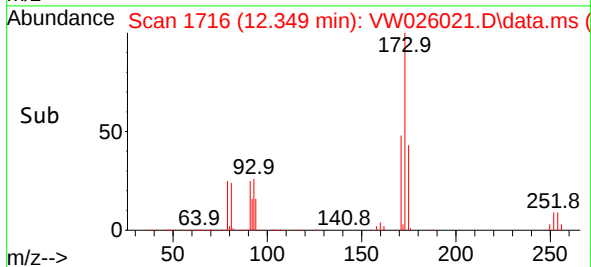
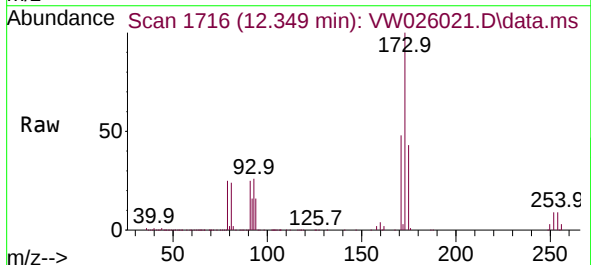
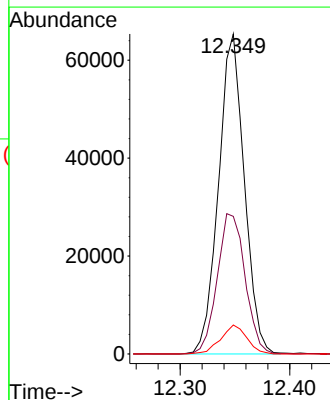
RT: 12.349 min Scan# 1716

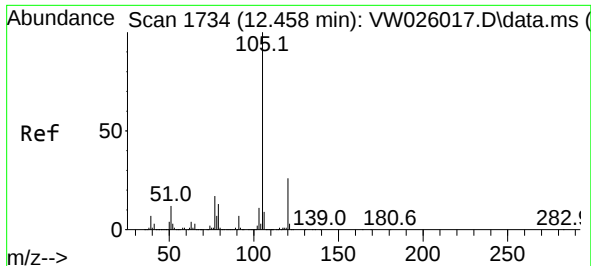
Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

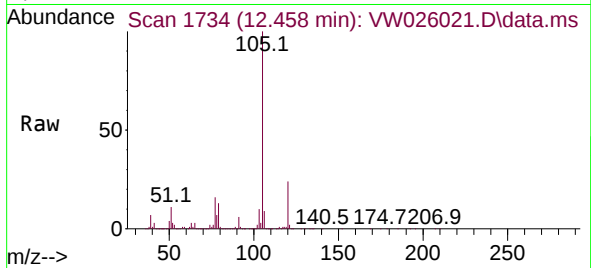
|             |              |
|-------------|--------------|
| Tgt Ion:173 | Resp: 106889 |
| Ion Ratio   | Lower Upper  |
| 173 100     |              |
| 175 47.3    | 38.6 57.8    |
| 254 9.2     | 7.6 11.4     |





#60  
Isopropylbenzene  
Concen: 25.787 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

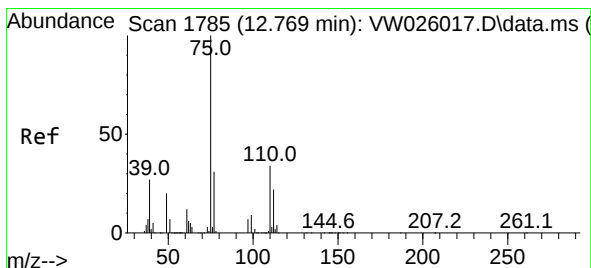
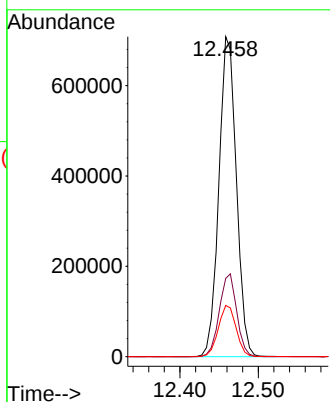
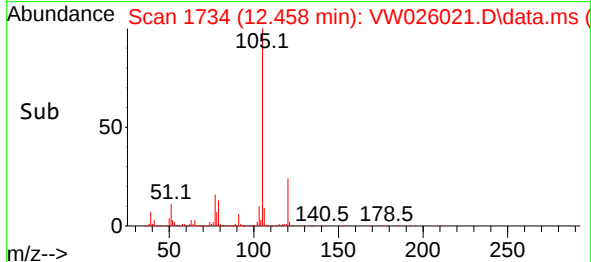
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



Tgt Ion:105 Resp: 1100744  
Ion Ratio Lower Upper  
105 100  
120 25.7 21.1 31.7  
77 16.2 13.4 20.0

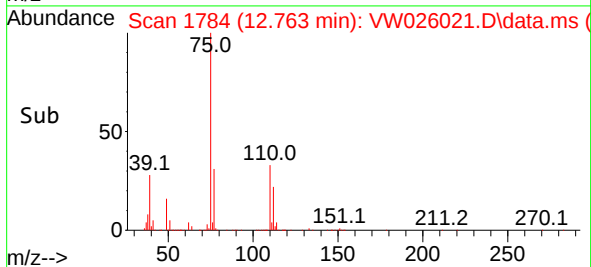
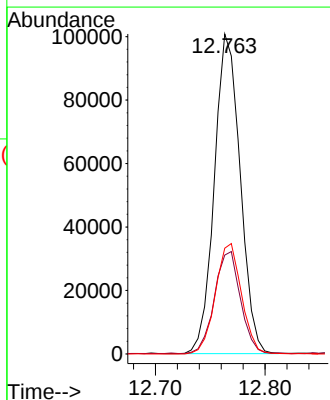
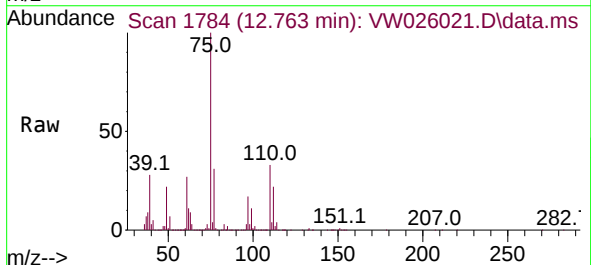
Manual Integrations  
APPROVED

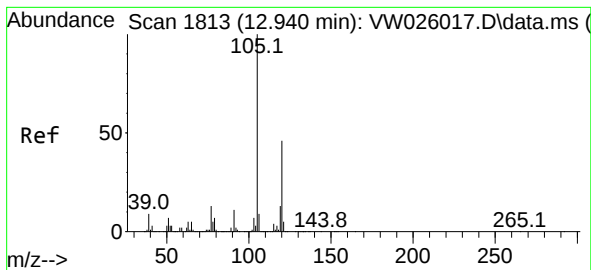
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#61  
1,2,3-Trichloropropane  
Concen: 24.847 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

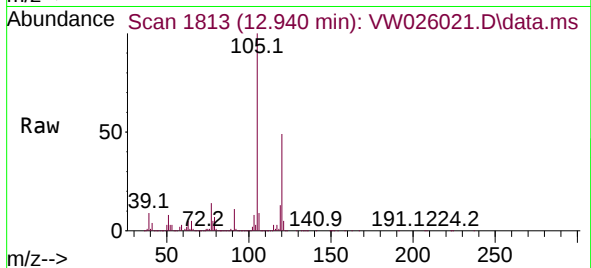
Tgt Ion: 75 Resp: 164907  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.2 37.8  
110 34.9 27.6 41.4





#62  
1,3,5-Trimethylbenzene  
Concen: 24.869 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

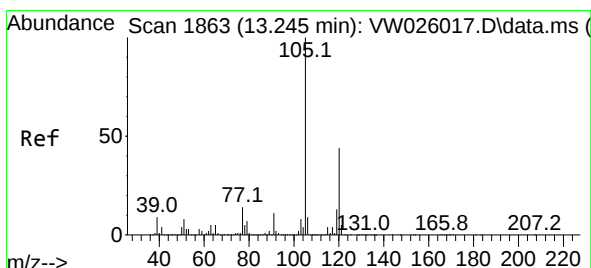
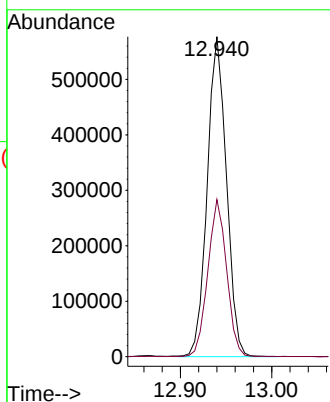
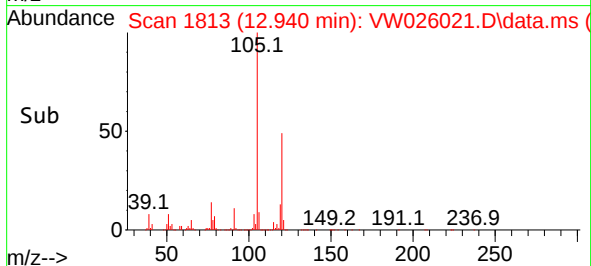
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



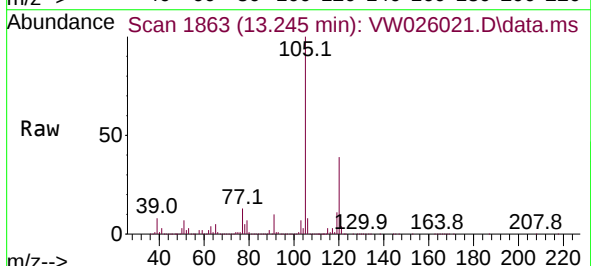
Tgt Ion:105 Resp: 84083  
Ion Ratio Lower Upper  
105 100  
120 48.1 37.1 55.7

Manual Integrations  
APPROVED

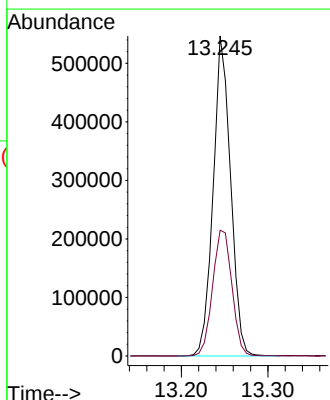
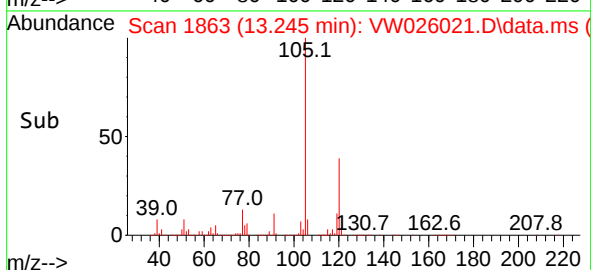
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

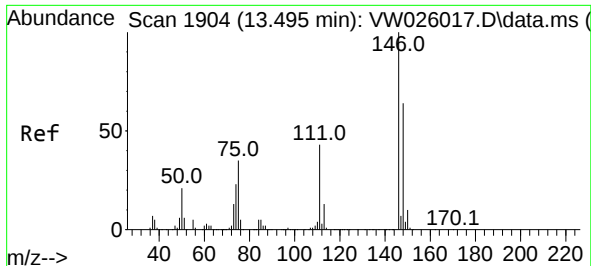


#63  
1,2,4-Trimethylbenzene  
Concen: 24.500 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



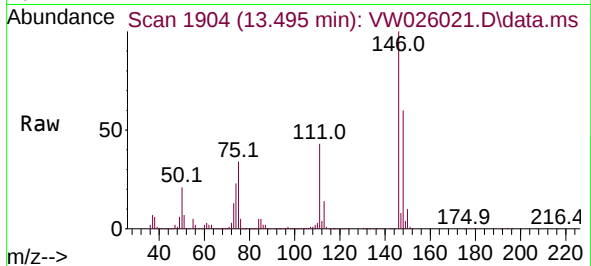
Tgt Ion:105 Resp: 764400  
Ion Ratio Lower Upper  
105 100  
120 43.6 34.7 52.1





#64  
1,3-Dichlorobenzene  
Concen: 22.018 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

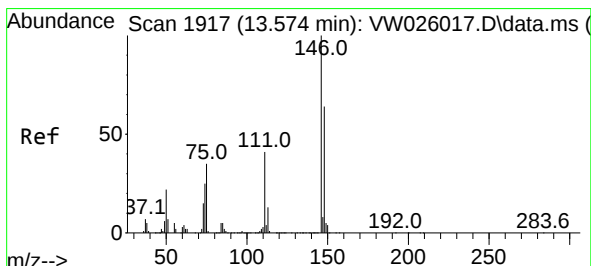
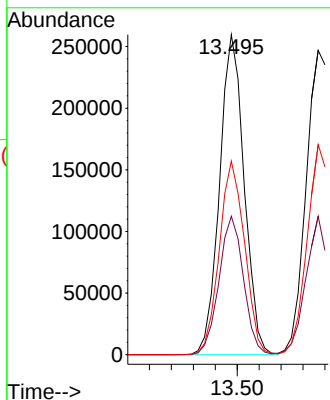
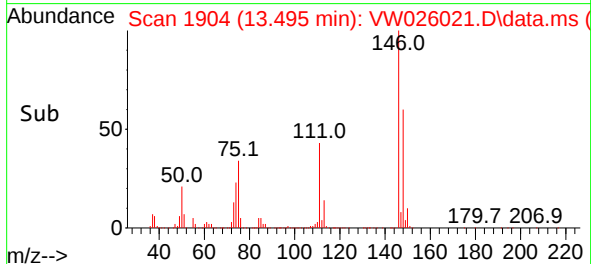
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



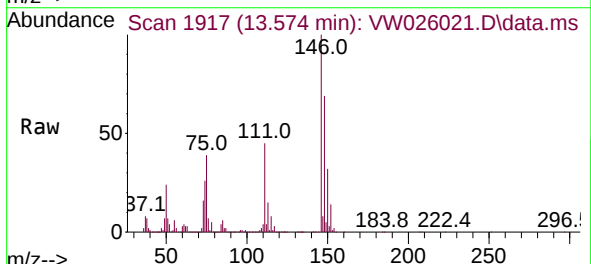
Tgt Ion:146 Resp: 404594  
Ion Ratio Lower Upper  
146 100  
111 43.3 30.4 56.4  
148 60.5 40.8 75.8

Manual Integrations  
APPROVED

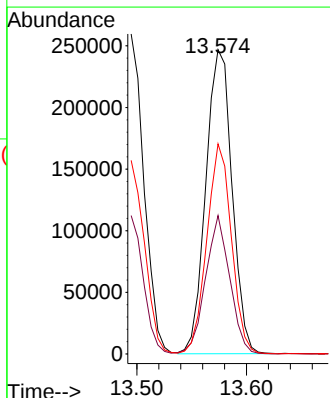
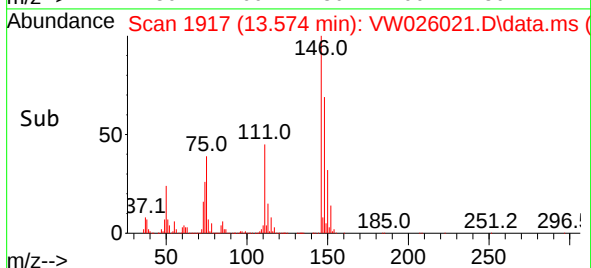
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

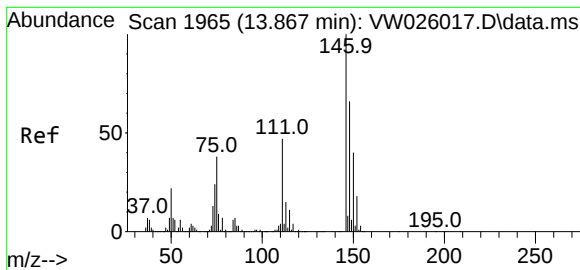


#65  
1,4-Dichlorobenzene  
Concen: 22.099 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



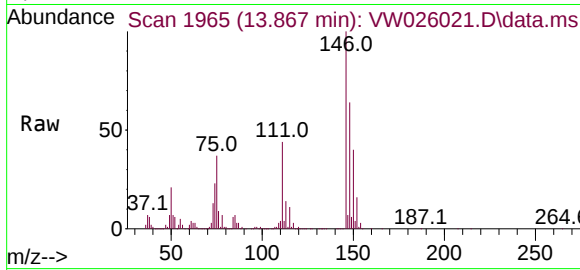
Tgt Ion:146 Resp: 410269  
Ion Ratio Lower Upper  
146 100  
111 45.5 27.9 51.9  
148 69.1 44.7 82.9





#67  
1,2-Dichlorobenzene  
Concen: 22.352 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

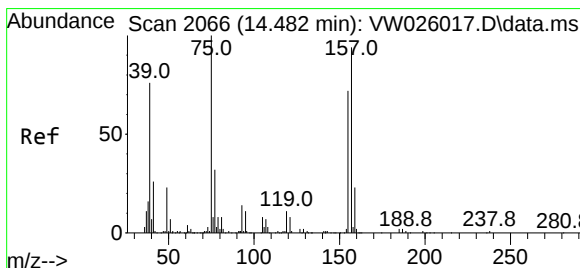
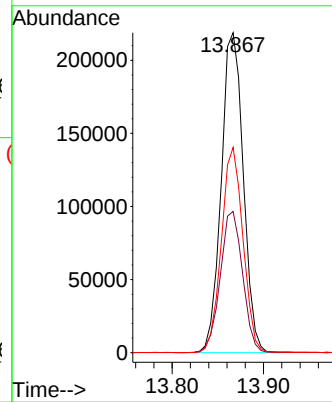
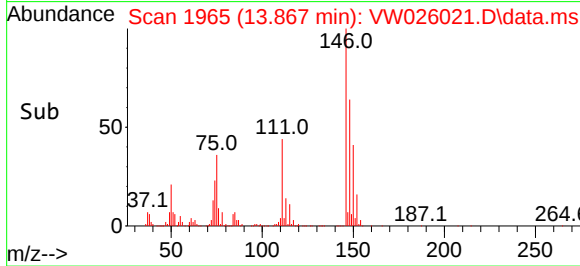
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



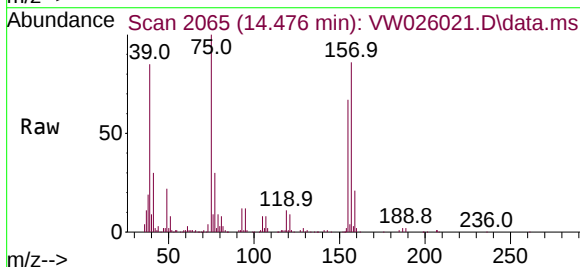
Tgt Ion:146 Resp: 366298  
Ion Ratio Lower Upper  
146 100  
111 44.2 37.7 56.5  
148 64.2 49.4 74.0

Manual Integrations  
APPROVED

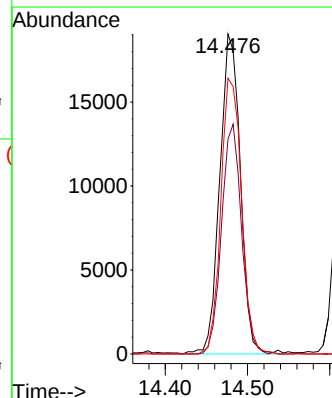
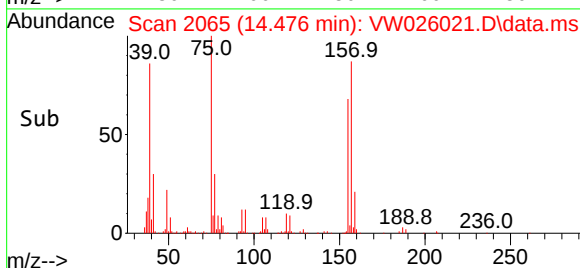
Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023

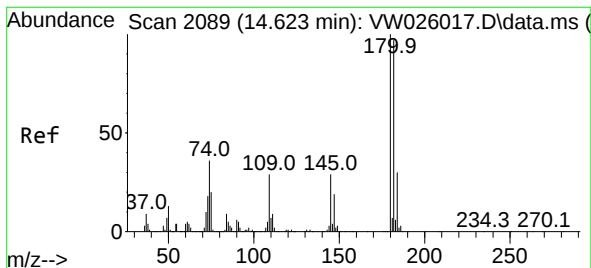


#68  
1,2-Dibromo-3-chloropropane  
Concen: 21.584 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.006 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



Tgt Ion: 75 Resp: 33218  
Ion Ratio Lower Upper  
75 100  
155 67.1 56.3 84.5  
157 86.1 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 16.372 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA\_W

ClientSampleId :

H0FJ2MS

Tgt Ion:180 Resp: 199704

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.0

184 29.7 24.7 37.1

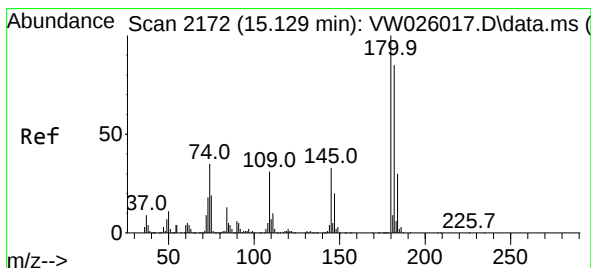
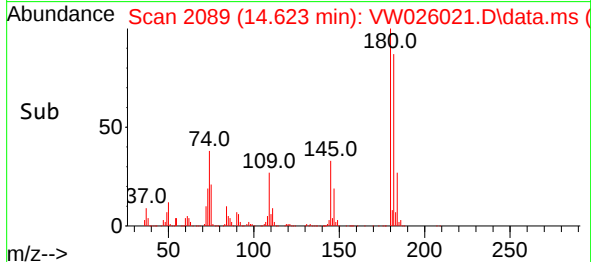
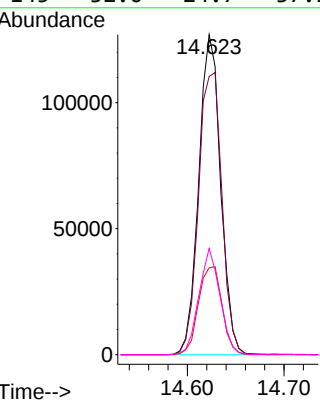
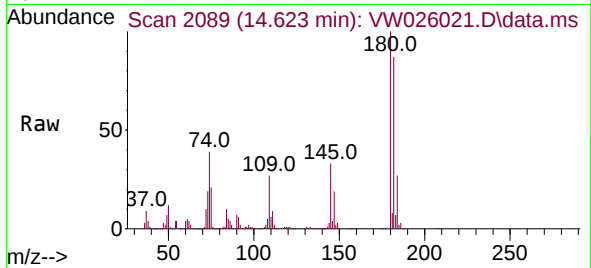
145 32.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2023

Supervised By :Mahesh Dadoda 05/25/2023



#70

1,2,4-trichlorobenzene

Concen: 14.414 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

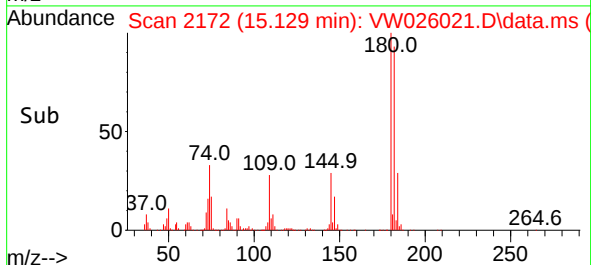
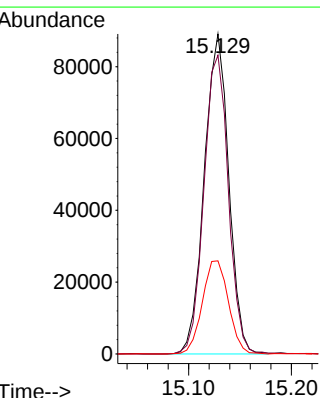
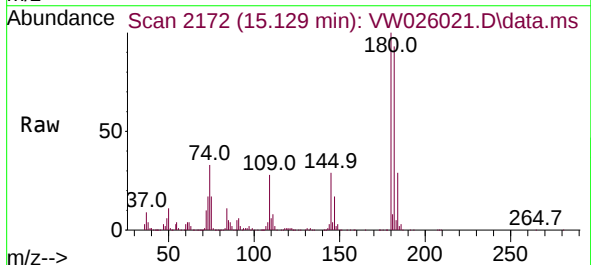
Tgt Ion:180 Resp: 147295

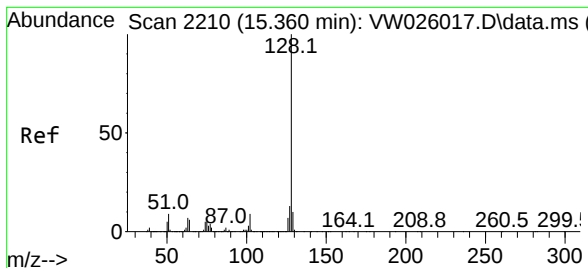
Ion Ratio Lower Upper

180 100

182 93.3 74.3 111.5

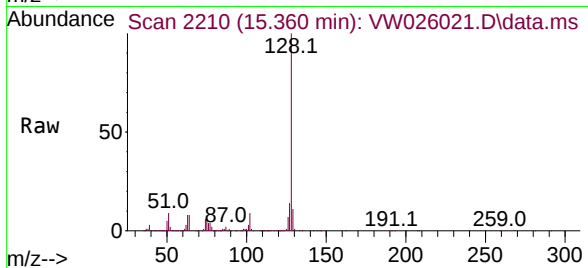
145 31.1 25.4 38.0





#71  
Naphthalene  
Concen: 15.418 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18

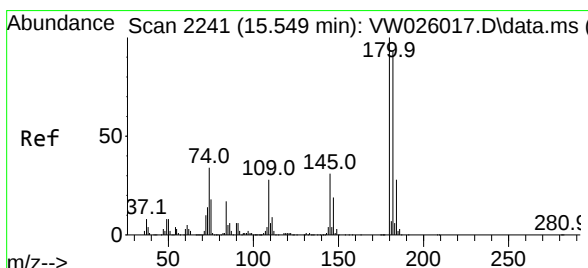
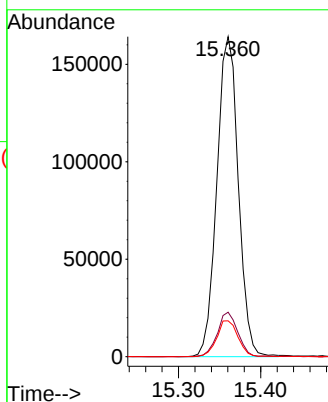
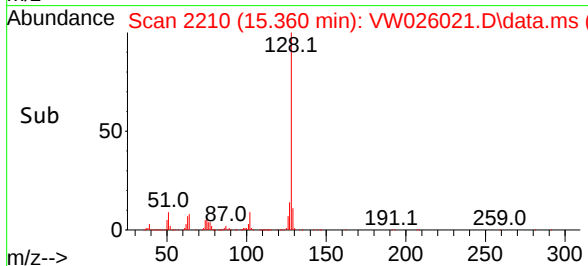
Instrument :  
MSVOA\_W  
ClientSampleId :  
H0FJ2MS



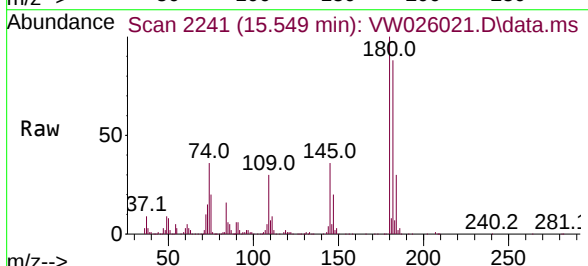
Tgt Ion:128 Resp: 297375  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.5 15.7  
129 11.1 8.5 12.7

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2023  
Supervised By :Mahesh Dadoda 05/25/2023



#72  
1,2,3-Trichlorobenzene  
Concen: 12.934 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VW026021.D  
Acq: 22 May 2023 11:18



Tgt Ion:180 Resp: 117277  
Ion Ratio Lower Upper  
180 100  
182 96.8 76.1 114.1  
145 35.6 28.0 42.0

