

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072623\  
 Data File : VU054876.D  
 Acq On : 26 Jul 2023 14:24  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/31/2023  
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 03:10:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U072523DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Jul 26 09:45:35 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.113  | 96   | 28729    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 8970     | 1.030  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 103.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 10672    | 1.084  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 108.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 54119    | 9.893  | ug/l     | 100      |
| 3) Chloromethane             | 1.518  | 50   | 59457    | 9.675  | ug/l     | 94       |
| 4) Vinyl Chloride            | 1.602  | 62   | 78816    | 9.603  | ug/l     | 99       |
| 5) Bromomethane              | 1.856  | 94   | 62755    | 9.638  | ug/l     | 97       |
| 6) Chloroethane              | 1.930  | 64   | 82382    | 9.711  | ug/l     | 100      |
| 7) Trichlorofluoromethane    | 2.132  | 101  | 172593   | 8.951  | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 59166    | 9.469  | ug/l     | 98       |
| 9) 1,1-Dichloroethene        | 2.576  | 96   | 48303    | 9.738  | ug/l     | 97       |
| 10) Iodomethane              | 2.718  | 142  | 77632    | 10.026 | ug/l     | 98       |
| 11) Allyl Chloride           | 2.917  | 41   | 57059    | 9.626  | ug/l     | 100      |
| 12) Acrylonitrile            | 3.319  | 53   | 25459    | 20.453 | ug/l     | 91       |
| 13) Acetone                  | 2.640  | 43   | 92634    | 71.200 | ug/l     | 96       |
| 14) Carbon Disulfide         | 2.788  | 76   | 76835    | 8.942  | ug/l     | 100      |
| 15) Methylene Chloride       | 3.039  | 84   | 75128    | 11.879 | ug/l     | 98       |
| 16) trans-1,2-Dichloroethene | 3.348  | 96   | 53492    | 9.907  | ug/l     | 92       |
| 17) 1,1-Dichloroethane       | 3.862  | 63   | 115985   | 9.604  | ug/l     | 97       |
| 18) 2-Butanone               | 4.708  | 43   | 107001   | 65.195 | ug/l     | 98       |
| 19) Cyclohexane              | 5.383  | 56   | 75020m   | 11.040 | ug/l     |          |
| 20) Methylcyclohexane        | 6.759  | 83   | 92566    | 10.187 | ug/l     | 97       |
| 21) 2,2-Dichloropropane      | 4.660  | 77   | 107363   | 9.591  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.663  | 96   | 71916    | 10.022 | ug/l     | 98       |
| 23) Diethyl Ether            | 2.374  | 59   | 67855    | 9.273  | ug/l     | 100      |
| 24) tert-Butyl Alcohol       | 3.232  | 59   | 63789m   | 93.702 | ug/l     |          |
| 25) Methyl tert-Butyl Ether  | 3.357  | 73   | 152615   | 9.943  | ug/l     | 95       |
| 26) Bromochloromethane       | 4.968  | 128  | 28293    | 9.614  | ug/l     | 97       |
| 27) Chloroform               | 5.081  | 83   | 128356   | 9.897  | ug/l     | 96       |
| 28) 1,1,1-Trichloroethane    | 5.312  | 97   | 111468   | 9.951  | ug/l     | 100      |
| 29) 1,1-Dichloropropene      | 5.521  | 75   | 79475    | 9.618  | ug/l     | 98       |
| 30) Carbon Tetrachloride     | 5.518  | 117  | 91796    | 9.818  | ug/l     | 96       |
| 31) Isopropyl Ether          | 3.988  | 45   | 175589   | 9.850  | ug/l     | 100      |
| 32) Ethyl-t-butyl ether      | 4.496  | 59   | 178857   | 9.745  | ug/l     | 100      |
| 33) Tert-Amyl methyl ether   | 5.936  | 73   | 170381   | 9.818  | ug/l     | 99       |
| 34) Propionitrile            | 4.788  | 54   | 24722m   | 54.636 | ug/l     |          |
| 35) Benzene                  | 5.769  | 78   | 250664   | 9.687  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.791  | 62   | 73095    | 9.930  | ug/l     | 97       |
| 37) Trichloroethene          | 6.537  | 130  | 69763    | 10.025 | ug/l     | 96       |
| 38) 1,2-Dichloropropane      | 6.785  | 63   | 70677    | 9.662  | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.975  | 41   | 17687    | 9.750  | ug/l     | 97       |
| 40) Methyl acrylate          | 4.849  | 55   | 27068    | 9.384  | ug/l     | 96       |
| 41) Tetrahydrofuran          | 5.058  | 42   | 17984    | 17.338 | ug/l     | 94       |
| 42) 1-Chlorobutane           | 5.454  | 56   | 102901   | 9.511  | ug/l     | 99       |
| 43) Dibromomethane           | 6.917  | 93   | 35020    | 10.193 | ug/l     | 99       |
| 44) Bromodichloromethane     | 7.100  | 83   | 97612    | 10.197 | ug/l     | 99       |

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 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

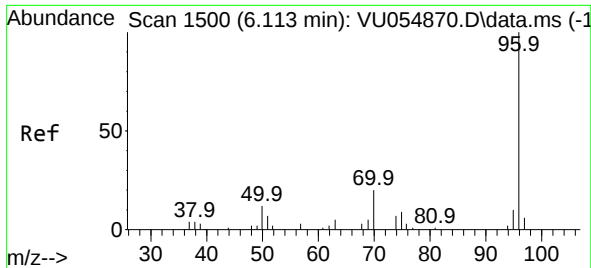
Reviewed By : Semsettin Yesilyurt 07/31/2023  
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 03:10:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U072523DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Jul 26 09:45:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.788  | 43   | 207062   | 51.651 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.833 | 75   | 30654m   | 19.004 | ug/l   |          |
| 47) Methyl methacrylate       | 6.959  | 69   | 64769    | 20.620 | ug/l   | 98       |
| 48) Ethyl methacrylate        | 8.331  | 69   | 66883    | 10.528 | ug/l   | 99       |
| 49) Toluene                   | 7.965  | 92   | 166611   | 10.108 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 87051    | 10.243 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.605  | 75   | 104403   | 9.994  | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 53098    | 9.749  | ug/l   | 98       |
| 53) 1,3-Dichloropropane       | 8.573  | 76   | 89969    | 10.211 | ug/l   | 97       |
| 54) 2-Hexanone                | 8.682  | 43   | 181525   | 63.724 | ug/l   | 98       |
| 55) Dibromochloromethane      | 8.807  | 129  | 64814    | 10.386 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 47856    | 10.368 | ug/l   | 98       |
| 58) Tetrachloroethene         | 8.550  | 164  | 59781    | 9.841  | ug/l   | 96       |
| 59) Chlorobenzene             | 9.444  | 112  | 198636   | 9.930  | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.531  | 131  | 71415    | 10.112 | ug/l   | 98       |
| 61) Pentachloroethane         | 11.421 | 117  | 56272    | 10.199 | ug/l   | 99       |
| 62) Hexachloroethane          | 12.473 | 117  | 60489    | 10.661 | ug/l   | 97       |
| 63) Ethyl Benzene             | 9.566  | 91   | 340034   | 10.130 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.692  | 106  | 255833   | 20.372 | ug/l   | 99       |
| 65) o-Xylene                  | 10.097 | 106  | 129398   | 10.032 | ug/l   | 97       |
| 66) Styrene                   | 10.110 | 104  | 215093   | 10.429 | ug/l   | 99       |
| 67) Bromoform                 | 10.286 | 173  | 35555    | 10.987 | ug/l   | 99       |
| 69) Isopropylbenzene          | 10.479 | 105  | 350313   | 10.116 | ug/l   | 97       |
| 70) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 68558    | 10.169 | ug/l   | 95       |
| 71) 1,2,3-Trichloropropane    | 10.823 | 75   | 46163m   | 9.613  | ug/l   |          |
| 72) Bromobenzene              | 10.778 | 156  | 80277    | 10.412 | ug/l   | 100      |
| 73) n-propylbenzene           | 10.904 | 120  | 95035    | 10.255 | ug/l   | 99       |
| 74) 2-Chlorotoluene           | 10.984 | 126  | 82484    | 10.281 | ug/l   | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 291926   | 10.410 | ug/l   | 100      |
| 76) 4-Chlorotoluene           | 11.093 | 126  | 87819    | 10.536 | ug/l   | 100      |
| 77) tert-Butylbenzene         | 11.418 | 119  | 301855   | 10.350 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 301505   | 10.502 | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.640 | 105  | 403920   | 10.654 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.206 | 77   | 9231     | 52.114 | ug/l # | 94       |
| 81) p-Isopropyltoluene        | 11.791 | 119  | 328946   | 10.994 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 168962   | 10.294 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 167363   | 10.229 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.206 | 91   | 300594   | 11.185 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.209 | 146  | 158390   | 10.067 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.990 | 75   | 10054    | 11.217 | ug/l   | 89       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 101660   | 10.130 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 57240    | 10.695 | ug/l   | 98       |
| 89) Naphthalene               | 14.084 | 128  | 165680   | 10.661 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 90121    | 10.122 | ug/l   | 100      |

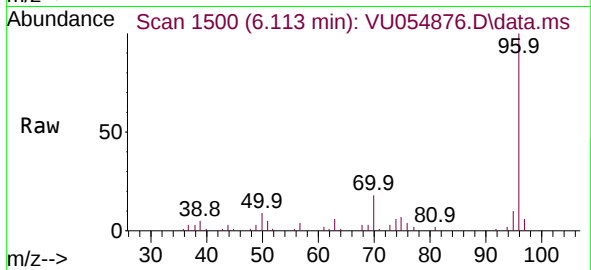
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.113 min Scan# 1500  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

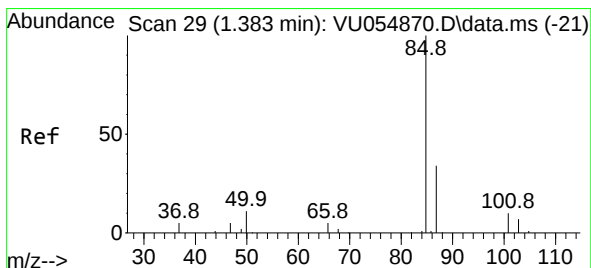
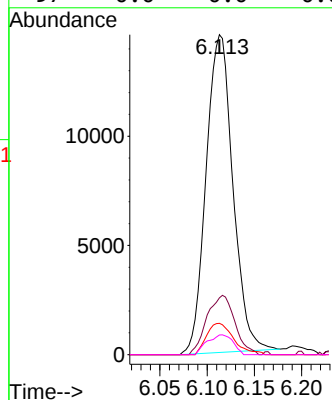
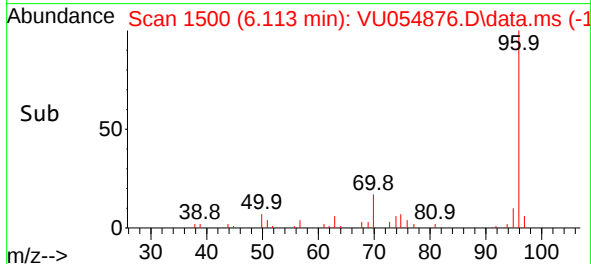
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 70      | 19.4  | 14.0  | 21.0  |
| 95      | 10.0  | 8.7   | 13.1  |
| 97      | 0.0   | 0.0   | 0.0   |

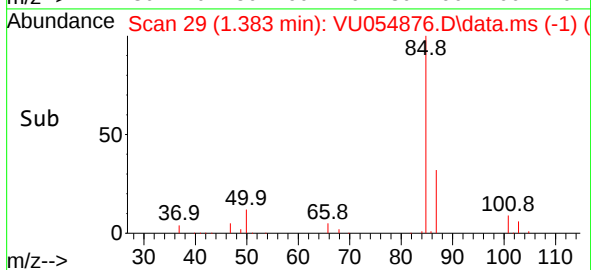
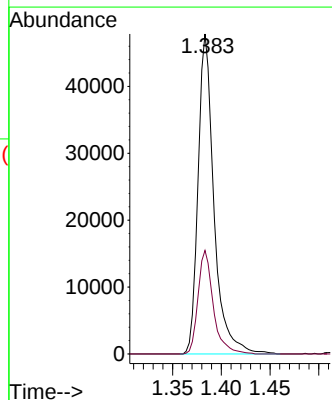
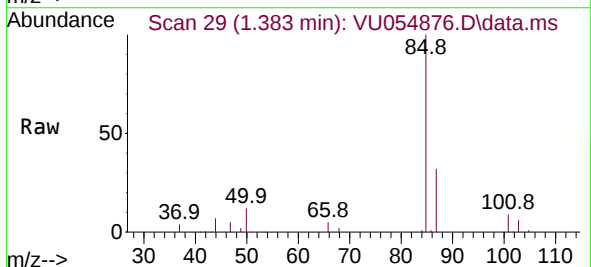
Manual Integrations  
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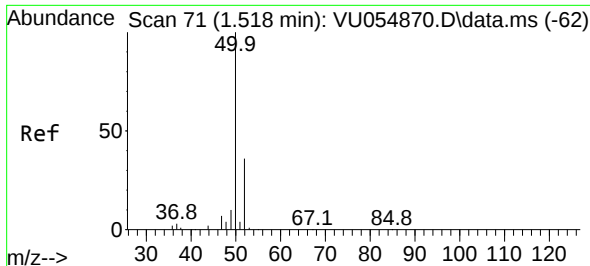
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#2  
Dichlorodifluoromethane  
Concen: 9.893 ug/l  
RT: 1.383 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.4  | 16.2  | 48.6  |





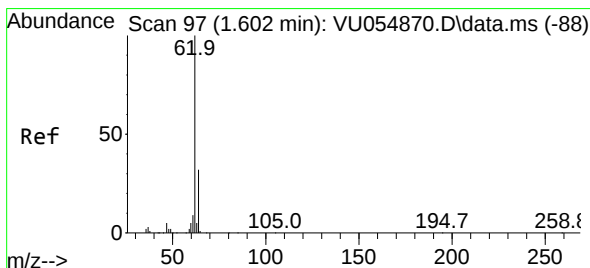
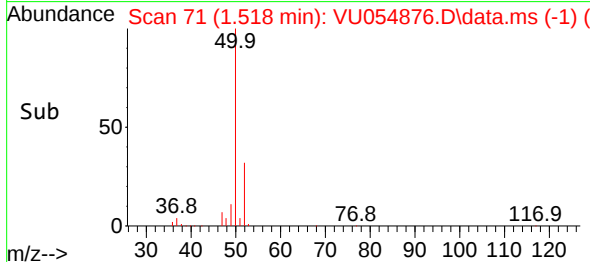
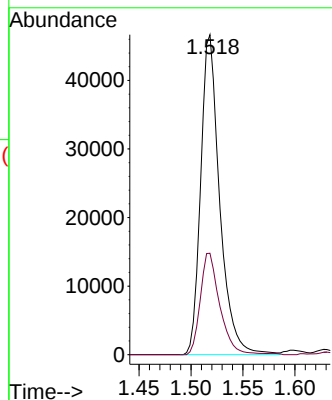
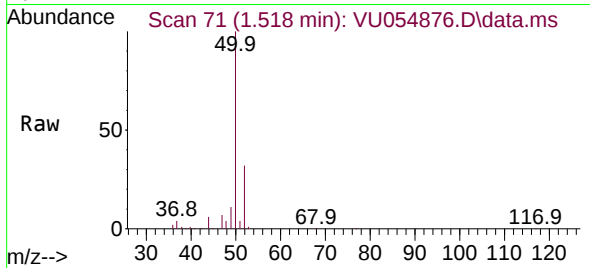
#3  
Chloromethane  
Concen: 9.675 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

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MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 50 Resp: 5945  
Ion Ratio Lower Upper  
50 100  
52 31.7 28.2 42.2

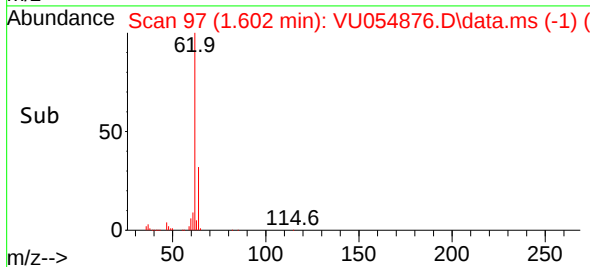
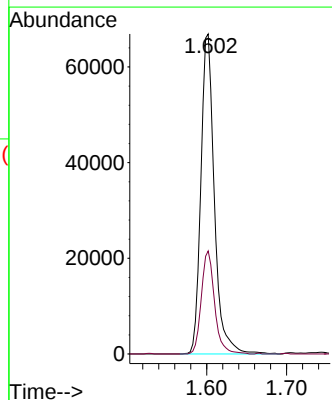
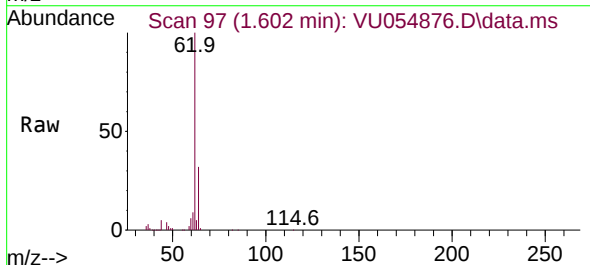
Manual Integrations  
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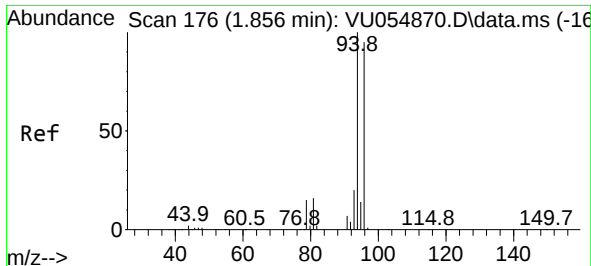
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#4  
Vinyl Chloride  
Concen: 9.603 ug/l  
RT: 1.602 min Scan# 97  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 62 Resp: 78816  
Ion Ratio Lower Upper  
62 100  
64 32.2 26.4 39.6





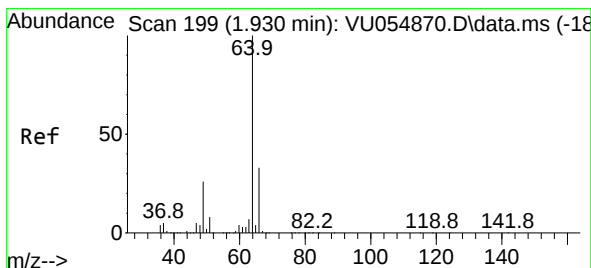
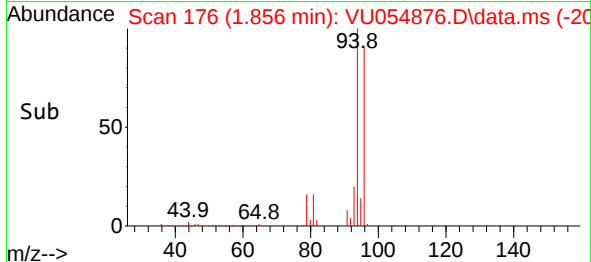
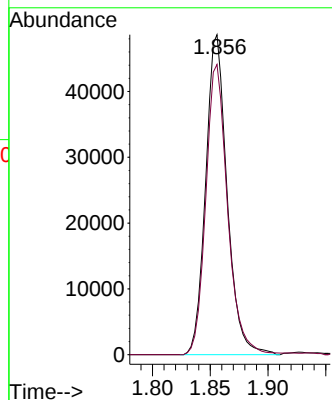
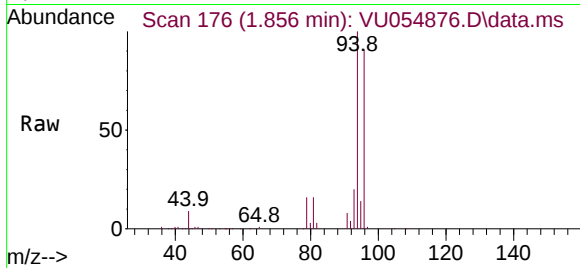
#5  
Bromomethane  
Concen: 9.638 ug/l  
RT: 1.856 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Tgt Ion: 94 Resp: 6275  
Ion Ratio Lower Upper  
94 100  
96 90.7 74.6 111.8

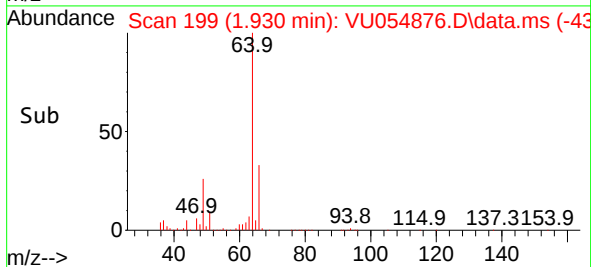
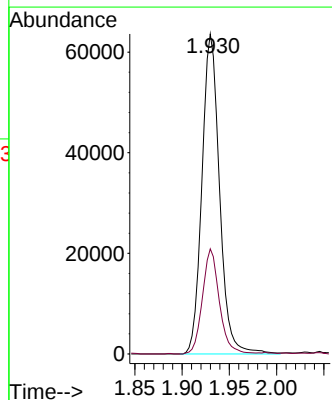
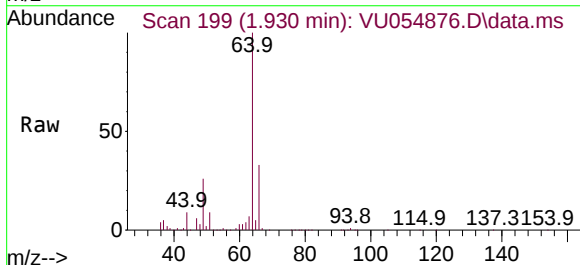
Manual Integrations  
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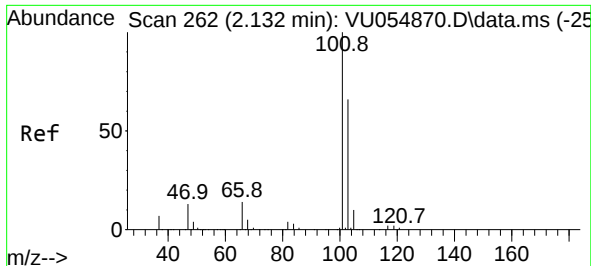
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#6  
Chloroethane  
Concen: 9.711 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 64 Resp: 82382  
Ion Ratio Lower Upper  
64 100  
66 32.9 26.2 39.4





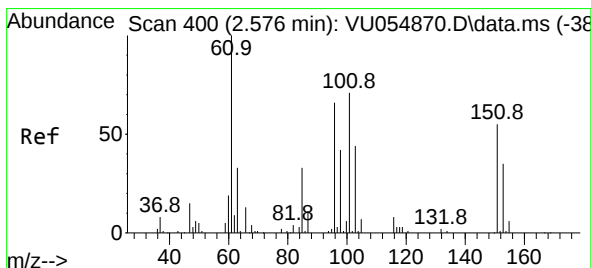
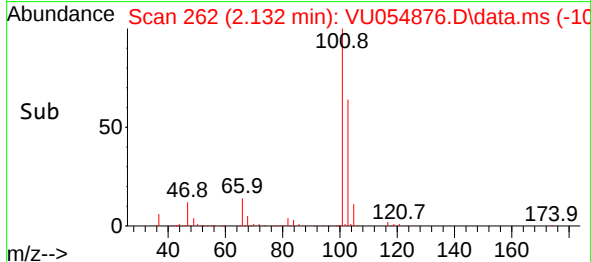
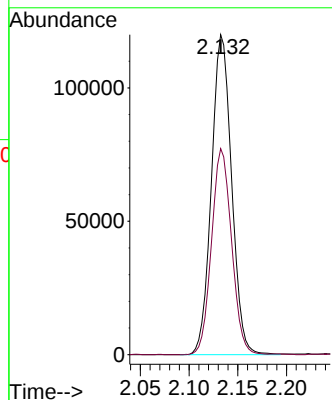
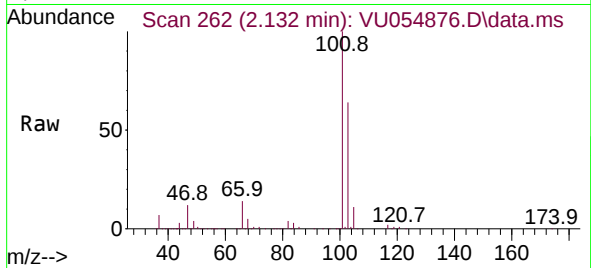
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 Trichlorofluoromethane  
 Concen: 8.951 ug/l  
 RT: 2.132 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion:101 Resp: 17259  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 52.9 79.3

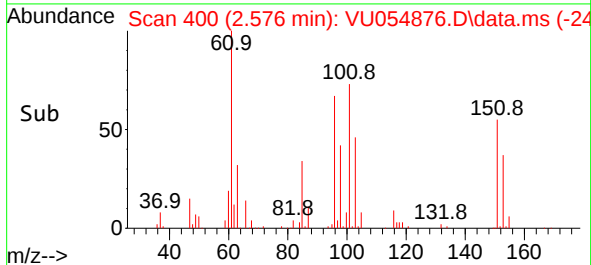
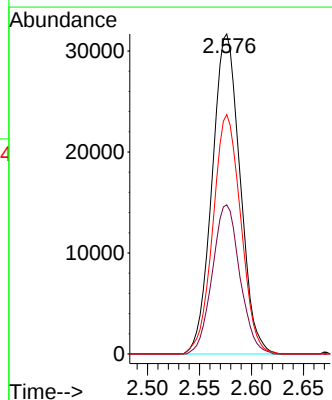
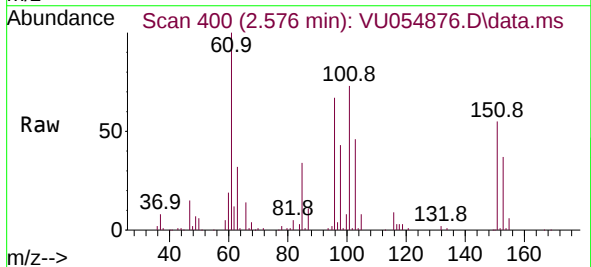
Manual Integrations  
 APPROVED

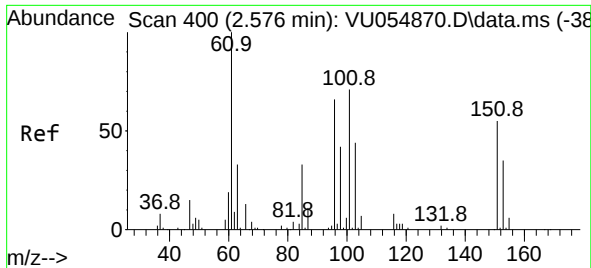
Reviewed By :Semsettin Yesilyurt 07/31/2023  
 Supervised By :Mahesh Dadoda 07/31/2023



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 9.469 ug/l  
 RT: 2.576 min Scan# 400  
 Delta R.T. -0.000 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

Tgt Ion:101 Resp: 59166  
 Ion Ratio Lower Upper  
 101 100  
 85 45.9 34.8 52.2  
 151 74.7 60.5 90.7





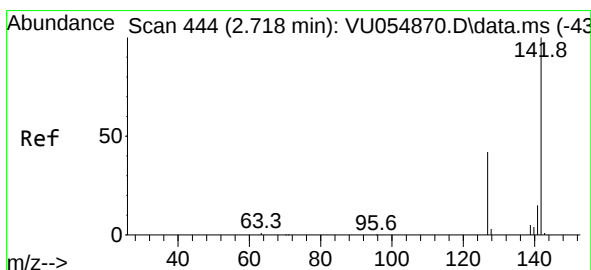
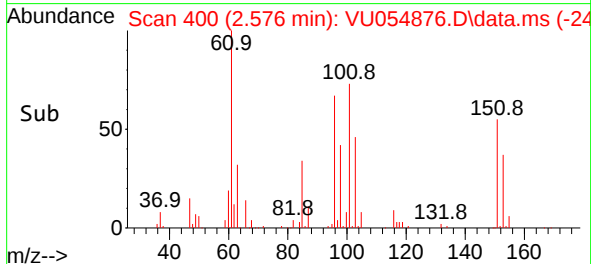
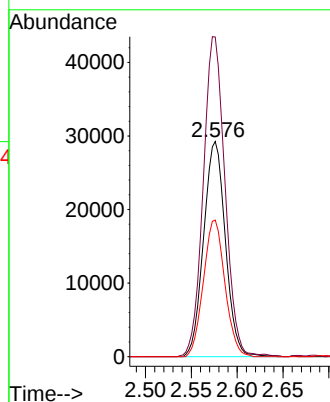
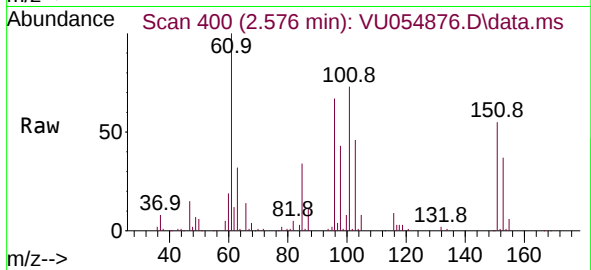
#9  
1,1-Dichloroethene  
Concen: 9.738 ug/l  
RT: 2.576 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 96 Resp: 4830  
Ion Ratio Lower Upper  
96 100  
61 148.2 0.0 440.1  
98 65.7 0.0 121.8

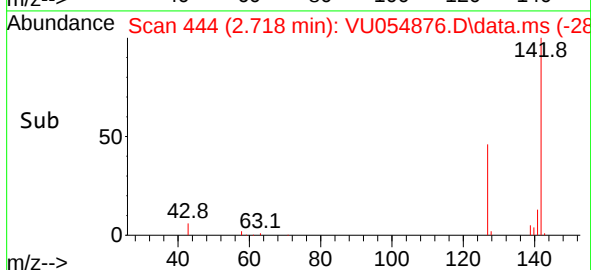
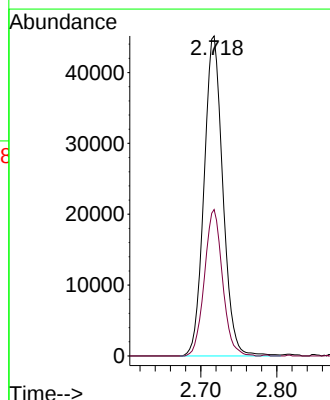
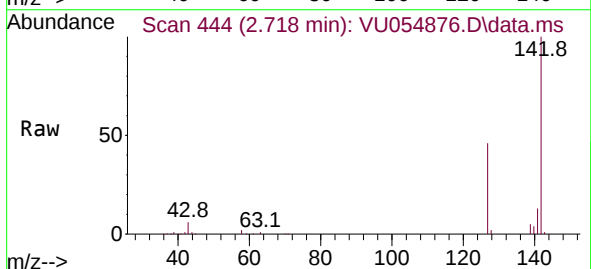
Manual Integrations  
APPROVED

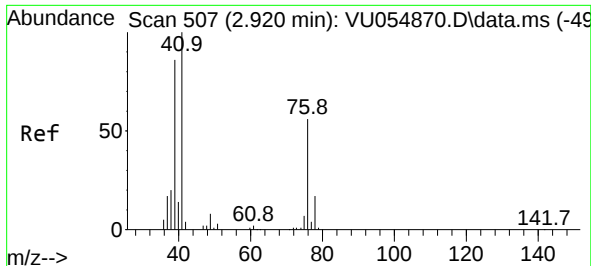
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#10  
Iodomethane  
Concen: 10.026 ug/l  
RT: 2.718 min Scan# 444  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion:142 Resp: 77632  
Ion Ratio Lower Upper  
142 100  
127 44.0 34.3 51.5





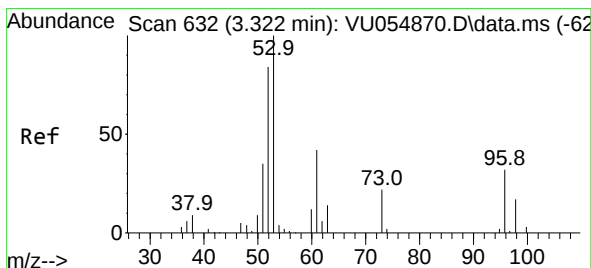
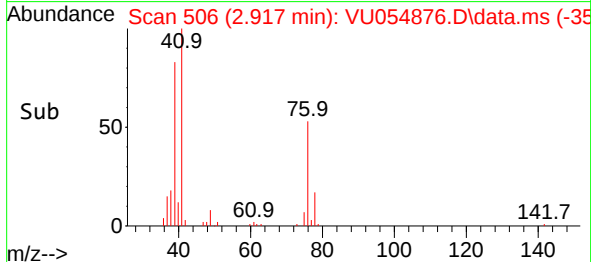
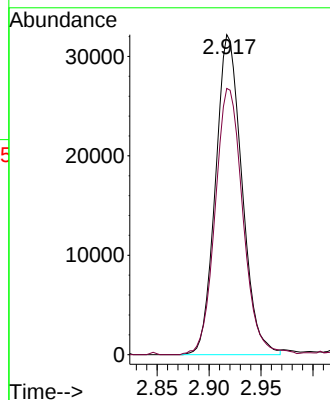
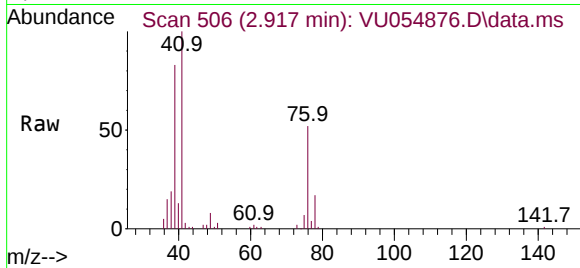
#11  
 Allyl Chloride  
 Concen: 9.626 ug/l  
 RT: 2.917 min Scan# 506  
 Delta R.T. -0.003 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 41 Resp: 57059  
 Ion Ratio Lower Upper  
 41 100  
 39 87.4 70.2 105.2

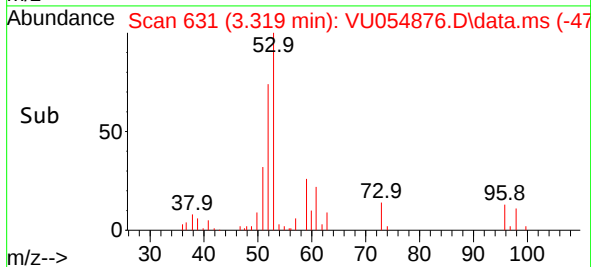
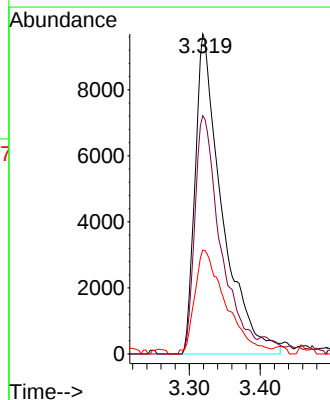
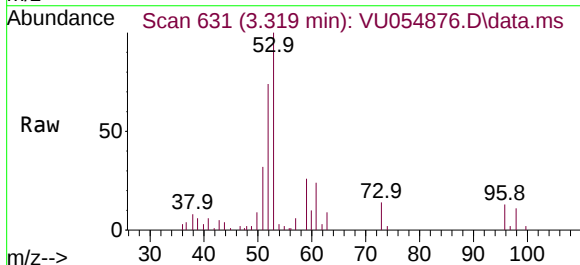
Manual Integrations  
 APPROVED

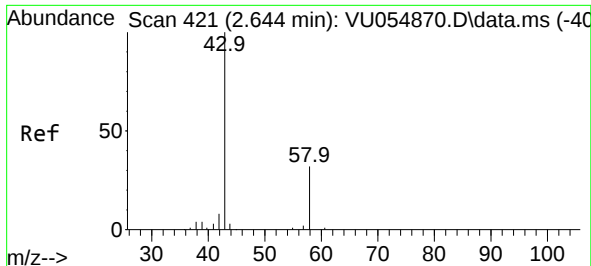
Reviewed By :Semsettin Yesilyurt 07/31/2023  
 Supervised By :Mahesh Dadoda 07/31/2023



#12  
 Acrylonitrile  
 Concen: 20.453 ug/l  
 RT: 3.319 min Scan# 631  
 Delta R.T. -0.003 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

Tgt Ion: 53 Resp: 25459  
 Ion Ratio Lower Upper  
 53 100  
 52 71.5 64.2 96.4  
 51 37.6 33.6 50.4





#13

Acetone

Concen: 71.200 ug/l

RT: 2.640 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 92634

Ion Ratio Lower Upper

43 100

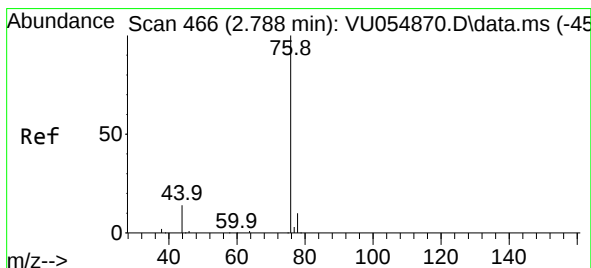
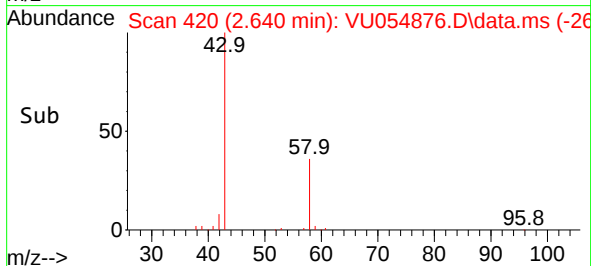
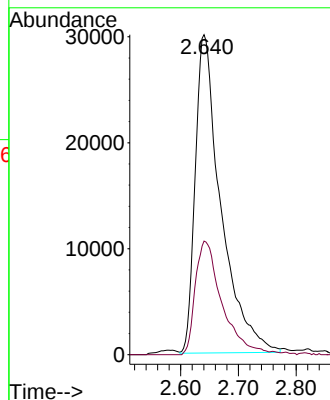
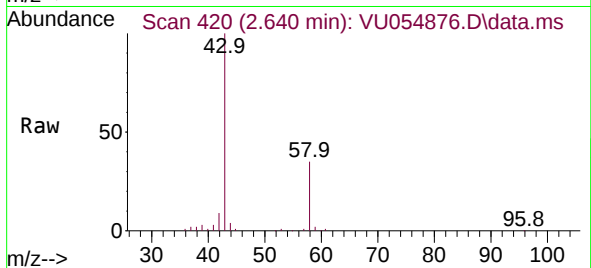
58 35.8 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 8.942 ug/l

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU054876.D

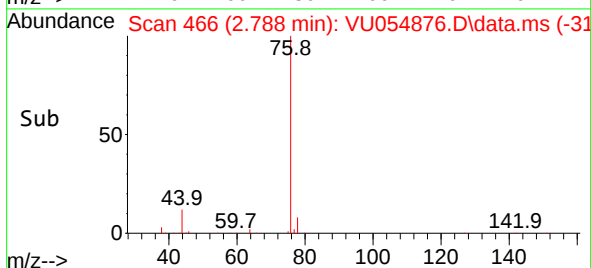
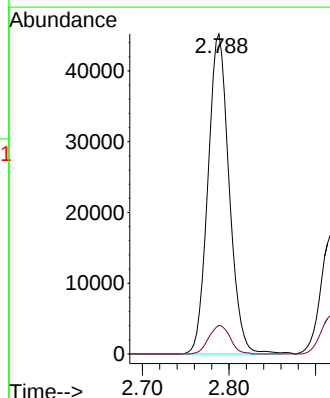
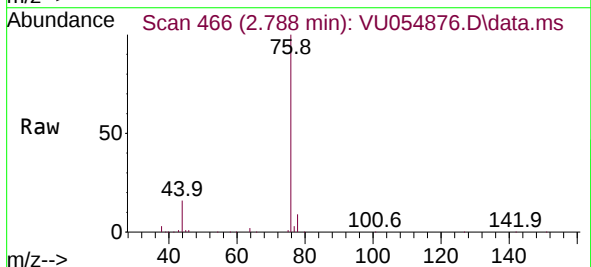
Acq: 26 Jul 2023 14:24

Tgt Ion: 76 Resp: 76835

Ion Ratio Lower Upper

76 100

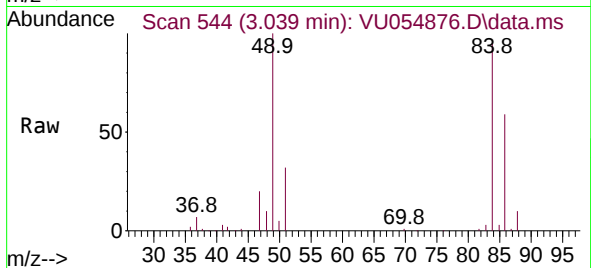
78 8.9 7.1 10.7





#15  
Methylene Chloride  
Concen: 11.879 ug/l  
RT: 3.039 min Scan# 545  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

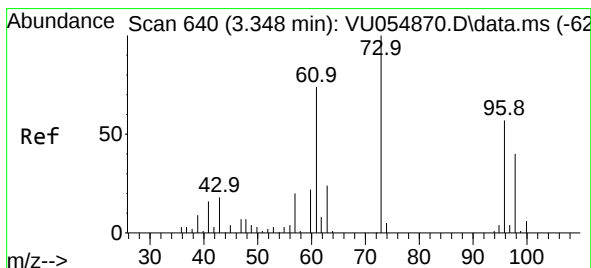
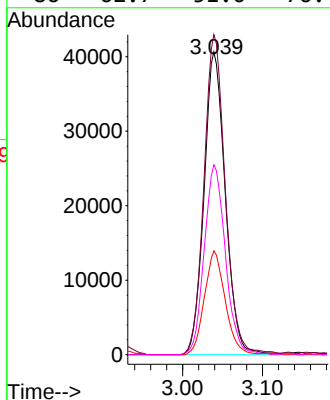
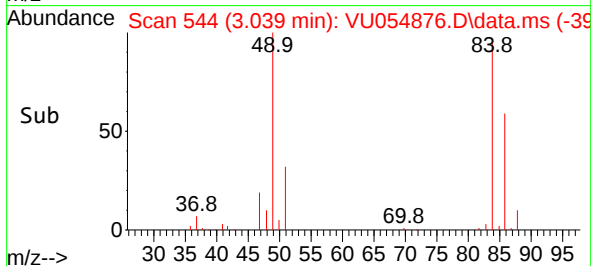


Tgt Ion: 84 Resp: 75128

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 105.7 | 87.8  | 131.6 |
| 51  | 34.3  | 0.0   | 68.2  |
| 86  | 62.7  | 51.0  | 76.4  |

Manual Integrations  
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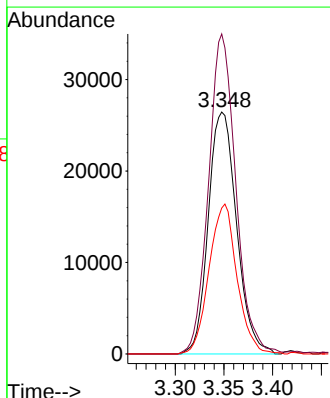
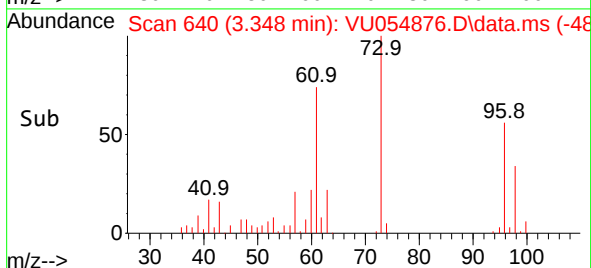
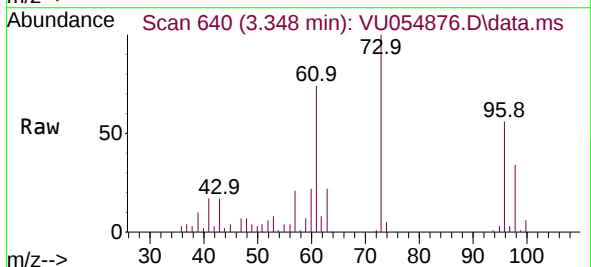
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

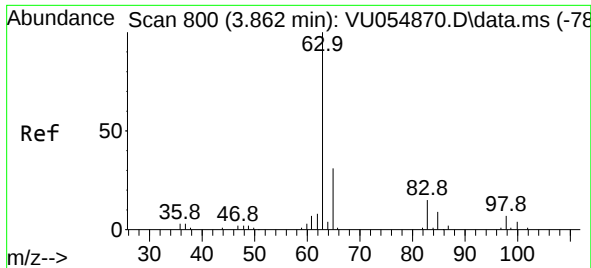


#16  
trans-1,2-Dichloroethene  
Concen: 9.907 ug/l  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 96 Resp: 53492

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.2 | 96.4  | 144.6 |
| 98  | 60.3  | 49.3  | 73.9  |





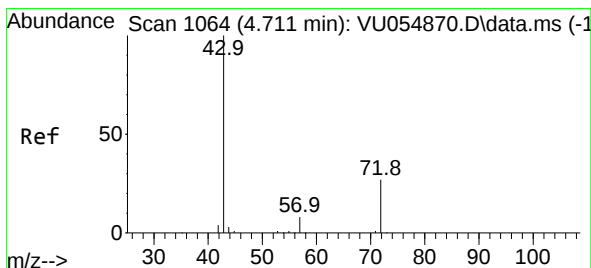
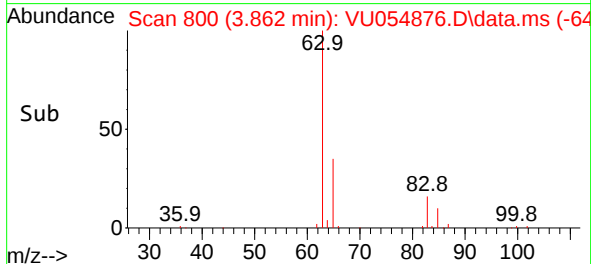
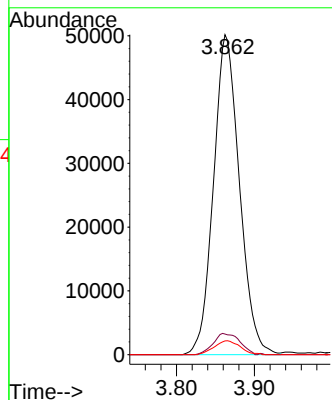
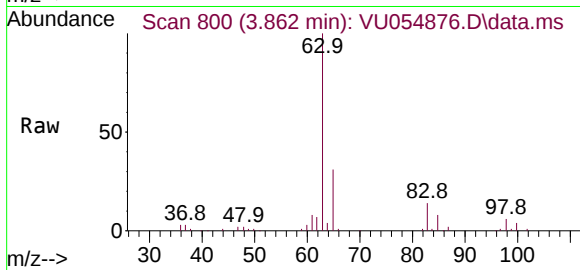
#17  
1,1-Dichloroethane  
Concen: 9.604 ug/l  
RT: 3.862 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 63 Resp: 11598  
Ion Ratio Lower Upper  
63 100  
98 6.4 3.6 10.8  
100 4.3 2.8 8.4

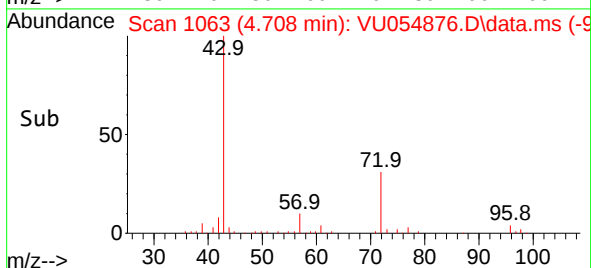
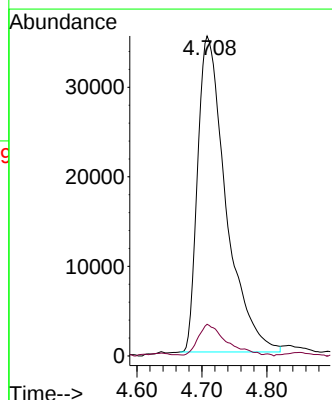
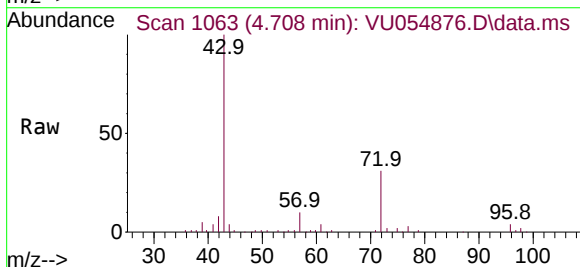
Manual Integrations  
APPROVED

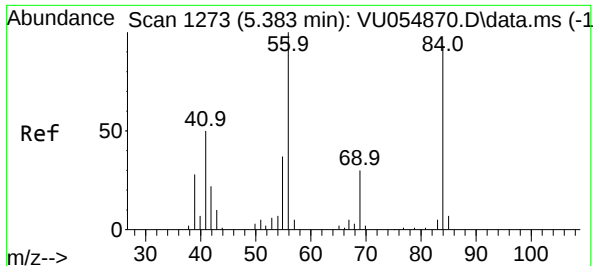
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#18  
2-Butanone  
Concen: 65.195 ug/l  
RT: 4.708 min Scan# 1063  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 43 Resp: 107001  
Ion Ratio Lower Upper  
43 100  
57 9.7 0.0 20.8





#19

Cyclohexane

Concen: 11.040 ug/l m

RT: 5.383 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

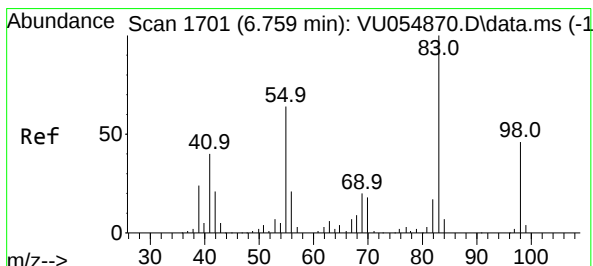
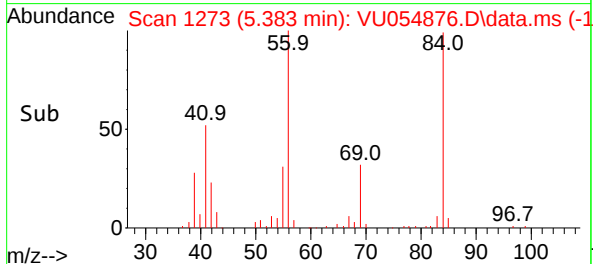
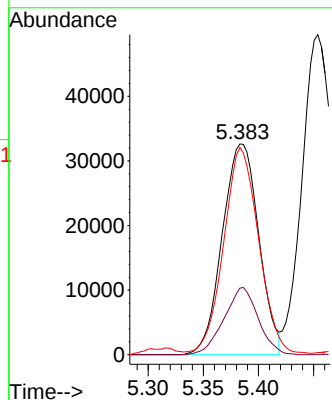
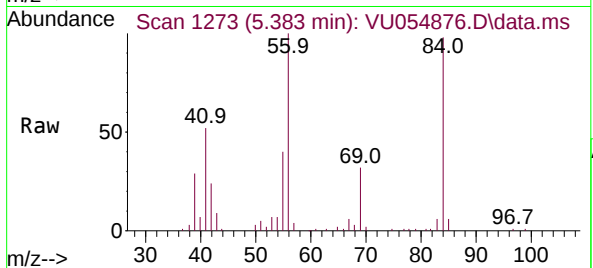
Tgt Ion: 56 Resp: 75020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 29.9  | 24.7  | 37.1  |
| 84  | 92.1  | 76.5  | 114.7 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#20

Methylcyclohexane

Concen: 10.187 ug/l

RT: 6.759 min Scan# 1701

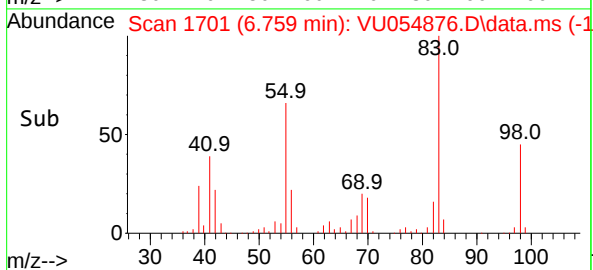
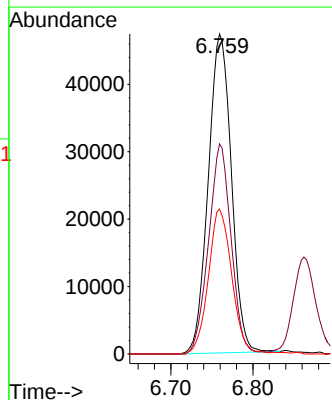
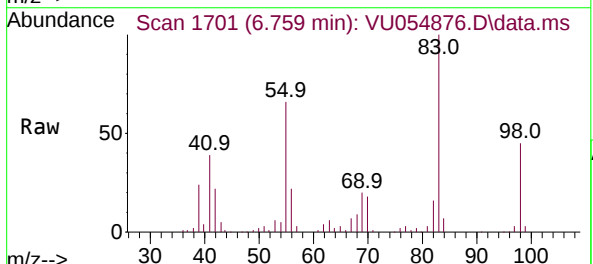
Delta R.T. -0.000 min

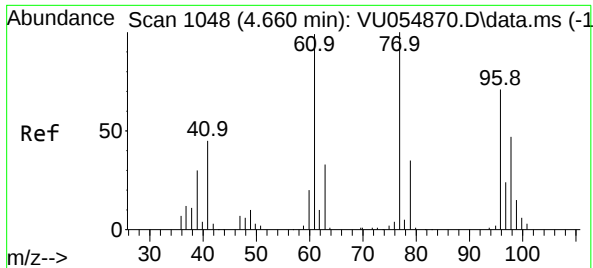
Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Tgt Ion: 83 Resp: 92566

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 63.2  | 51.6  | 77.4  |
| 98  | 45.2  | 38.2  | 57.2  |





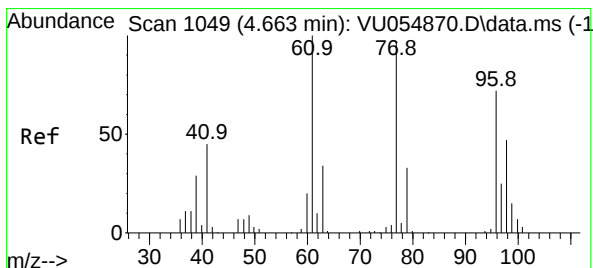
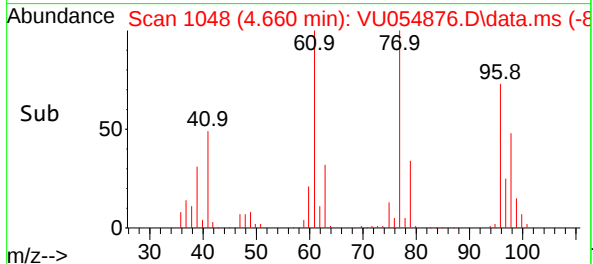
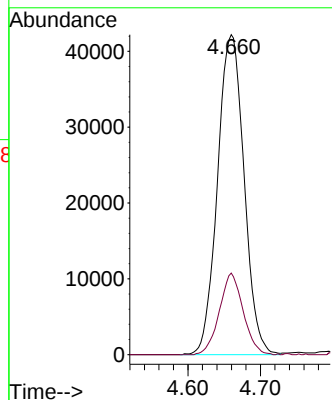
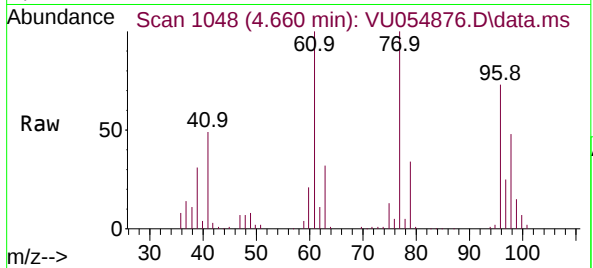
#21  
2,2-Dichloropropane  
Concen: 9.591 ug/l  
RT: 4.660 min Scan# 1048  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 77 Resp: 10736  
Ion Ratio Lower Upper  
77 100  
97 22.8 18.0 27.0

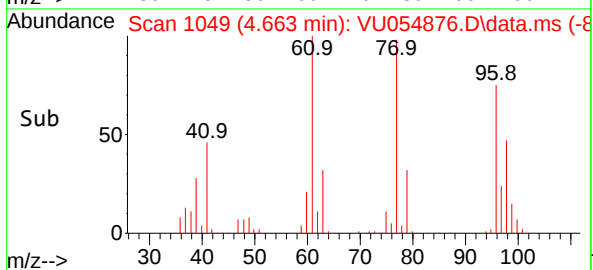
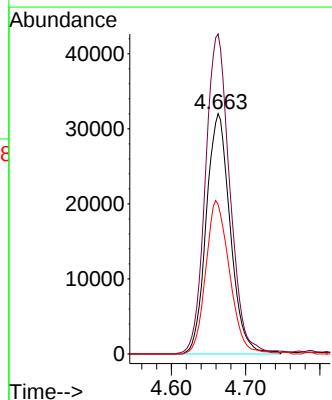
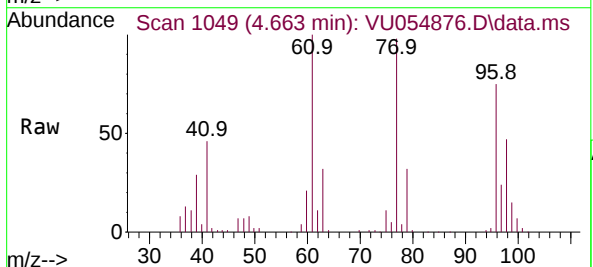
Manual Integrations  
APPROVED

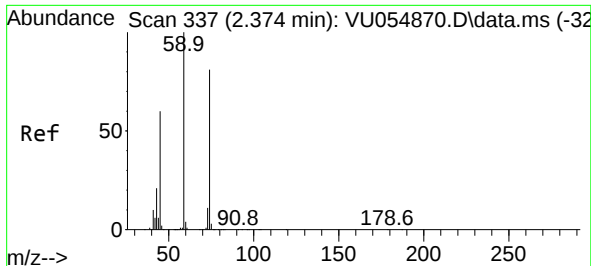
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#22  
cis-1,2-Dichloroethene  
Concen: 10.022 ug/l  
RT: 4.663 min Scan# 1049  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 96 Resp: 71916  
Ion Ratio Lower Upper  
96 100  
61 134.8 0.0 332.0  
98 63.0 32.5 97.5





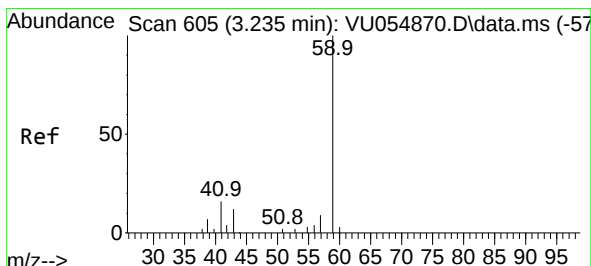
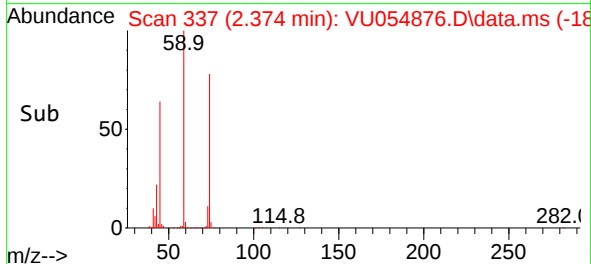
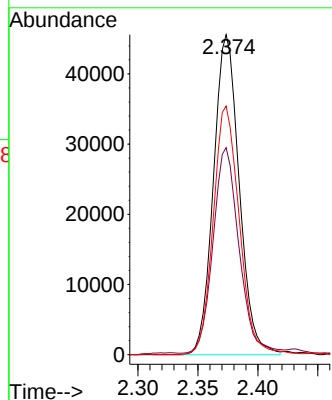
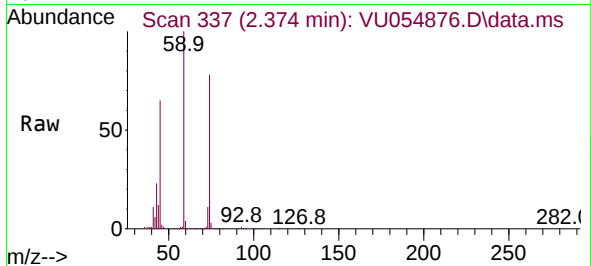
#23  
Diethyl Ether  
Concen: 9.273 ug/l  
RT: 2.374 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 59 Resp: 6785  
Ion Ratio Lower Upper  
59 100  
45 64.7 51.4 77.0  
74 78.9 63.1 94.7

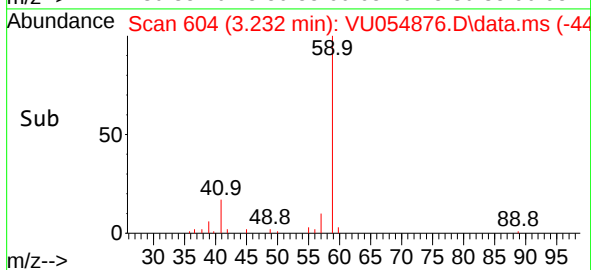
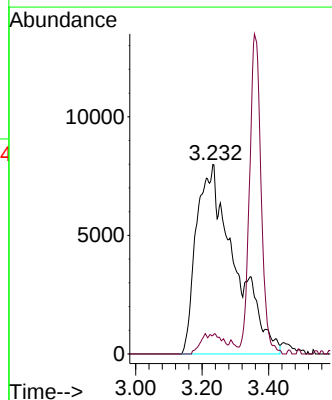
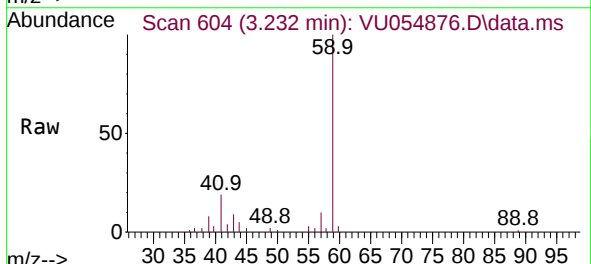
Manual Integrations  
APPROVED

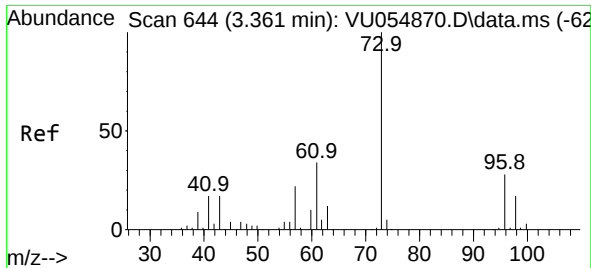
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#24  
tert-Butyl Alcohol  
Concen: 93.702 ug/l m  
RT: 3.232 min Scan# 604  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 59 Resp: 63789  
Ion Ratio Lower Upper  
59 100  
57 2.1 2.2 3.2#





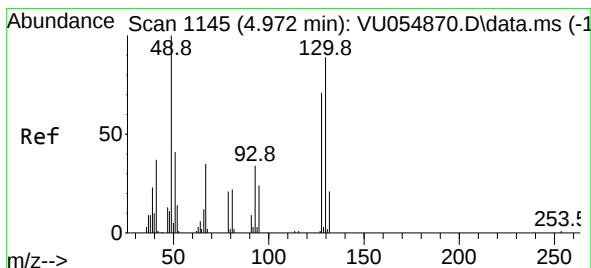
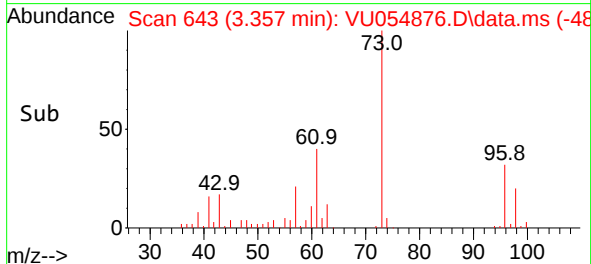
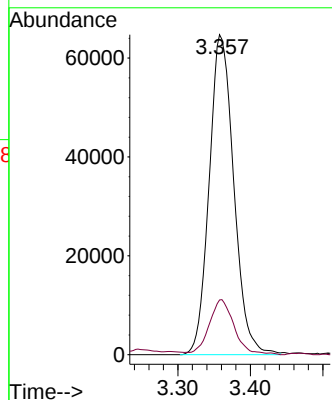
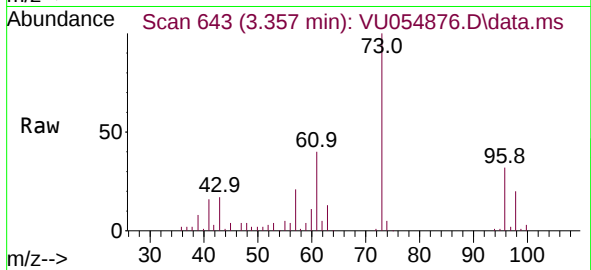
#25  
Methyl tert-Butyl Ether  
Concen: 9.943 ug/l  
RT: 3.357 min Scan# 644  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 73 Resp: 15261  
Ion Ratio Lower Upper  
73 100  
43 16.1 14.6 22.0

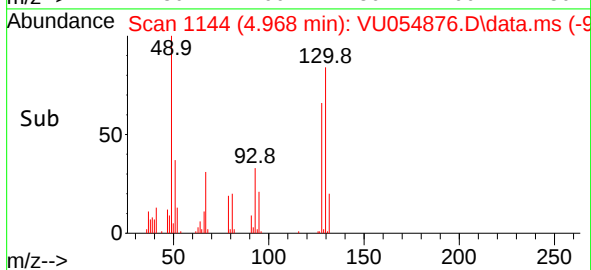
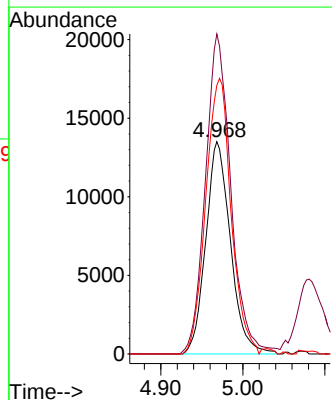
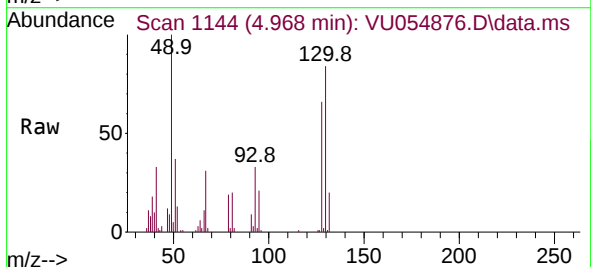
Manual Integrations  
APPROVED

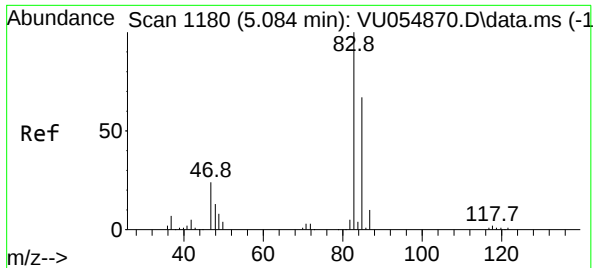
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#26  
Bromochloromethane  
Concen: 9.614 ug/l  
RT: 4.968 min Scan# 1144  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion:128 Resp: 28293  
Ion Ratio Lower Upper  
128 100  
49 155.2 0.0 304.0  
130 133.5 104.3 156.5





#27

Chloroform

Concen: 9.897 ug/l

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 128350

Ion Ratio Lower Upper

83 100

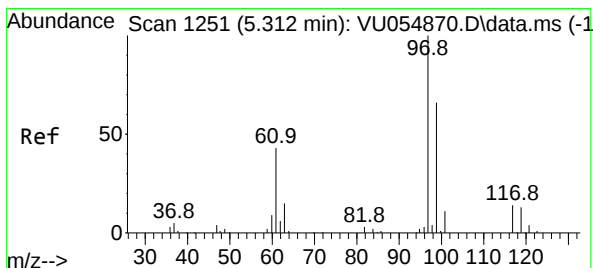
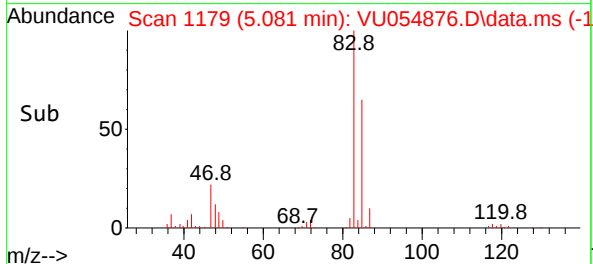
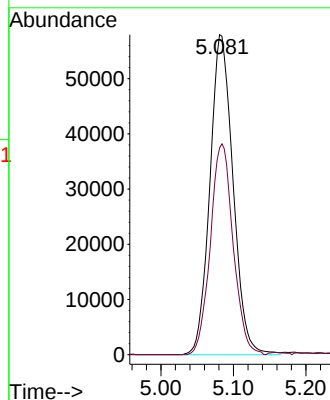
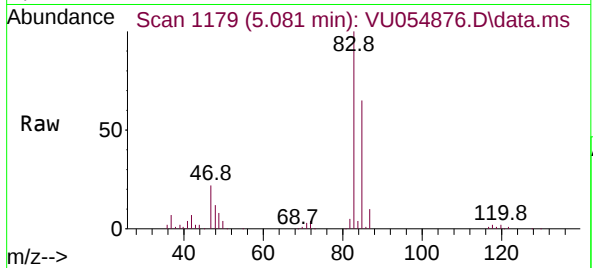
85 64.6 0.0 135.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#28

1,1,1-Trichloroethane

Concen: 9.951 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

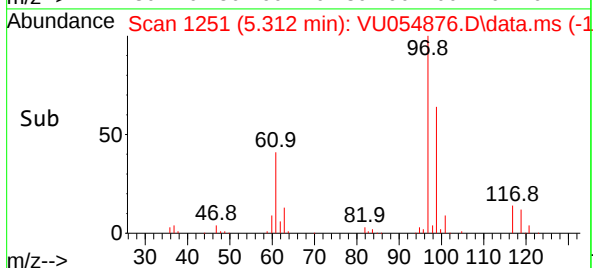
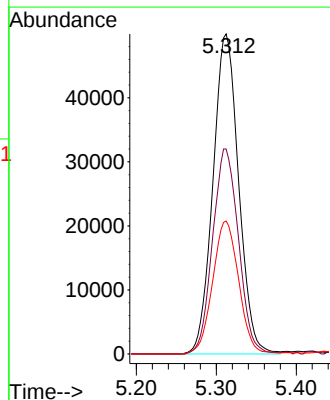
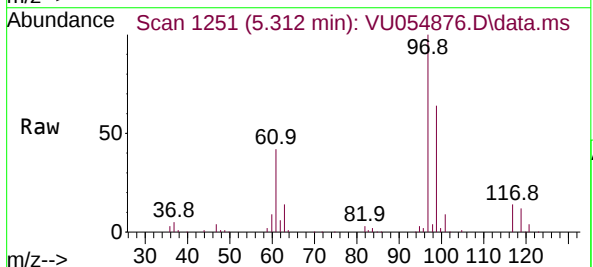
Tgt Ion: 97 Resp: 111468

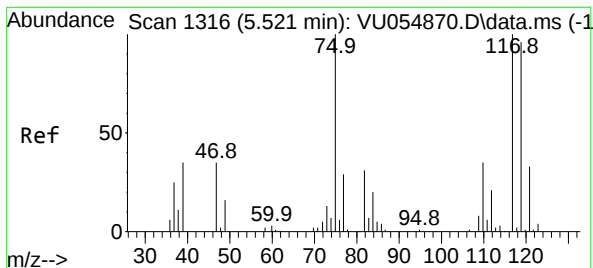
Ion Ratio Lower Upper

97 100

99 64.5 32.0 96.2

61 42.2 21.0 63.0





#29

1,1-Dichloropropene

Concen: 9.618 ug/l

RT: 5.521 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

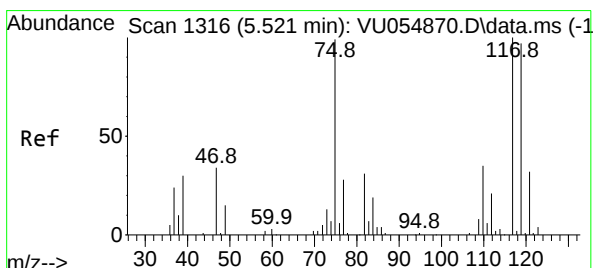
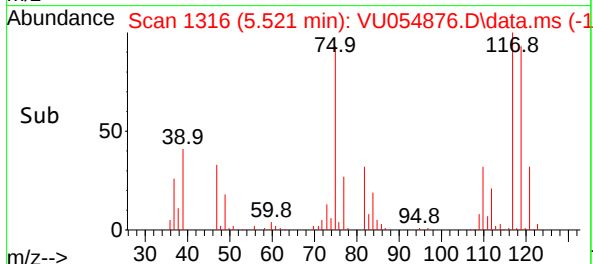
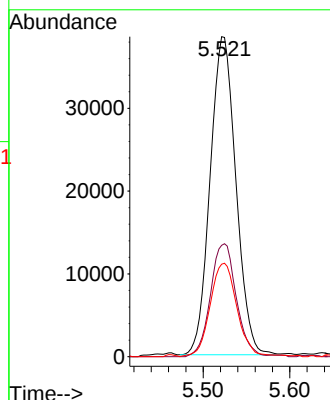
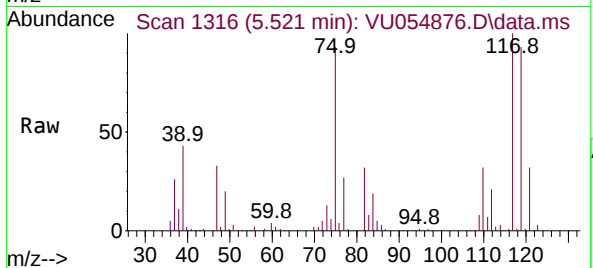
Tgt Ion: 75 Resp: 79475

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 35.5  | 18.5  | 55.5  |
| 77  | 30.5  | 24.9  | 37.3  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#30

Carbon Tetrachloride

Concen: 9.818 ug/l

RT: 5.518 min Scan# 1315

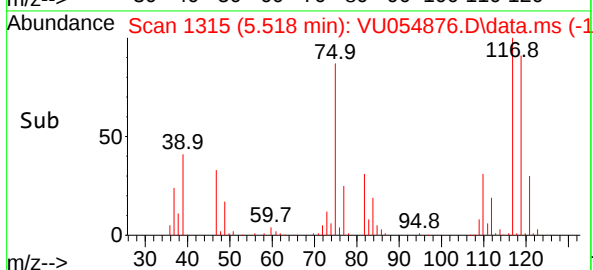
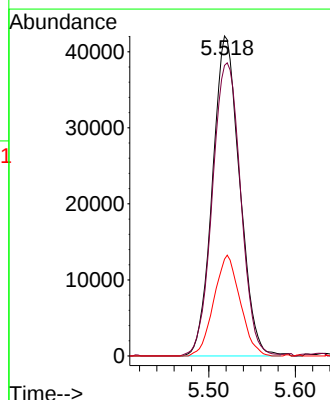
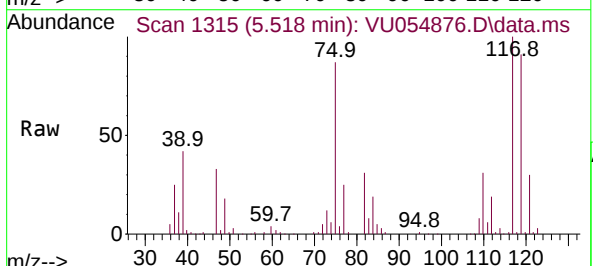
Delta R.T. -0.003 min

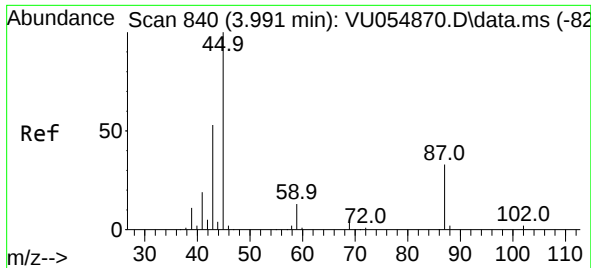
Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Tgt Ion:117 Resp: 91796

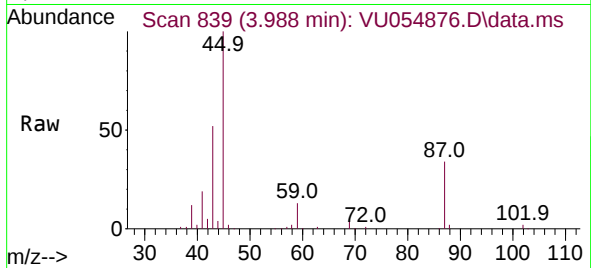
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 90.8  | 75.6  | 113.4 |
| 121 | 30.8  | 23.4  | 35.0  |





#31  
Isopropyl Ether  
Concen: 9.850 ug/l  
RT: 3.988 min Scan# 839  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

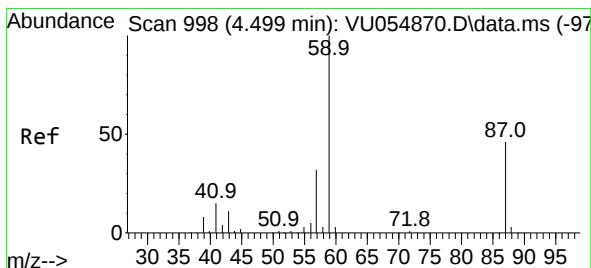
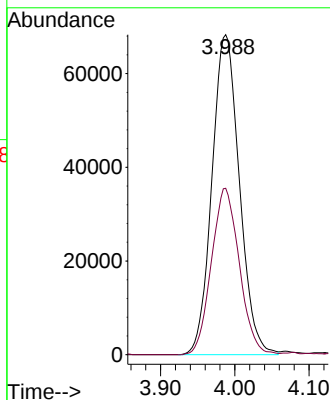
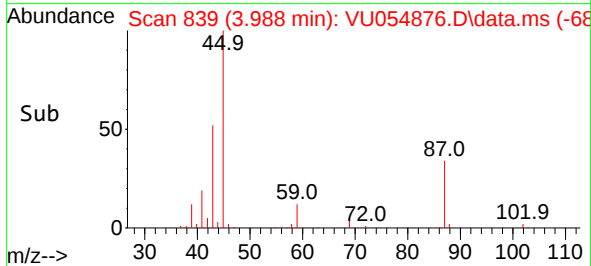
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



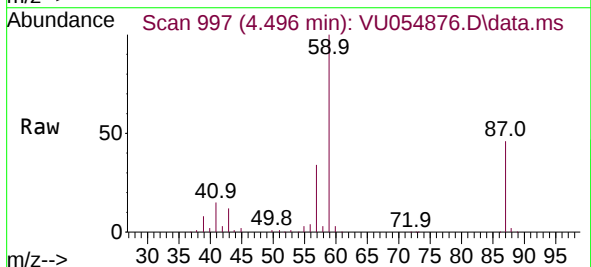
Tgt Ion: 45 Resp: 175589  
Ion Ratio Lower Upper  
45 100  
43 52.8 26.4 79.2

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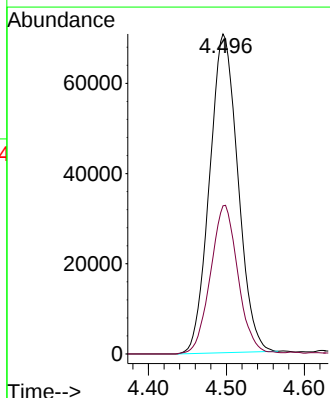
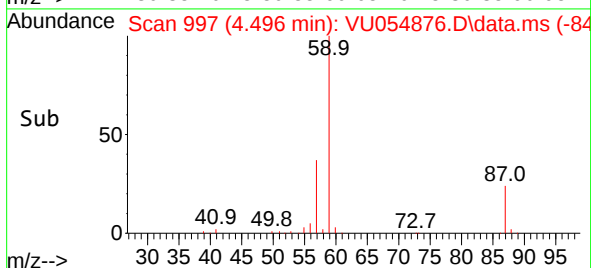
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

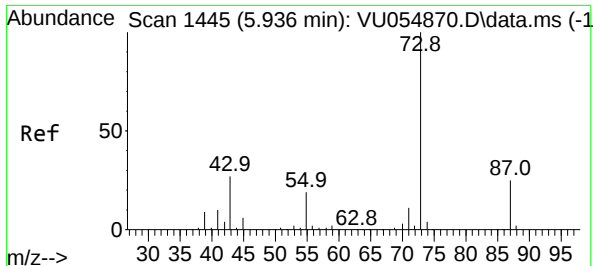


#32  
Ethyl-t-butyl ether  
Concen: 9.745 ug/l  
RT: 4.496 min Scan# 997  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



Tgt Ion: 59 Resp: 178857  
Ion Ratio Lower Upper  
59 100  
87 44.8 35.7 53.5





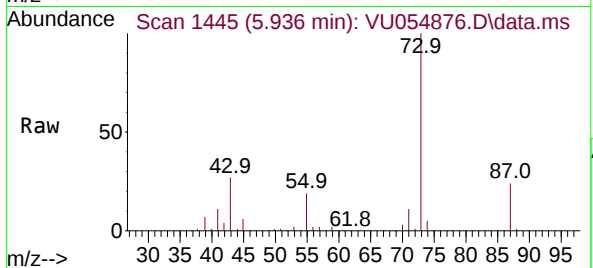
#33  
Tert-Amyl methyl ether  
Concen: 9.818 ug/l  
RT: 5.936 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

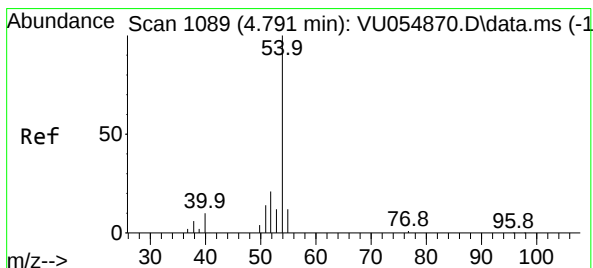
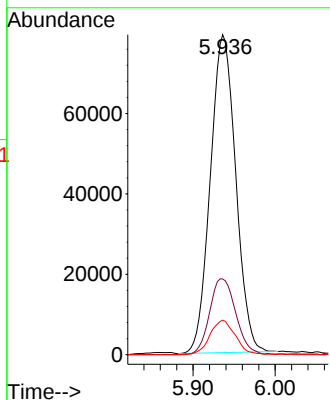
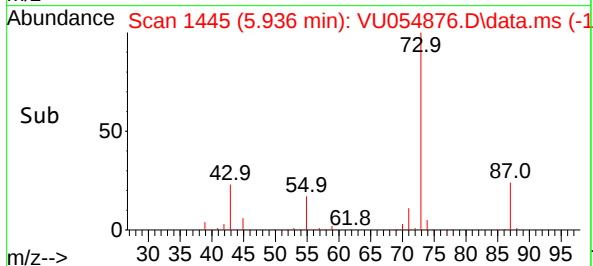


Tgt Ion: 73 Resp: 17038  
Ion Ratio Lower Upper  
73 100  
87 24.3 19.6 29.4  
71 10.9 9.1 13.7

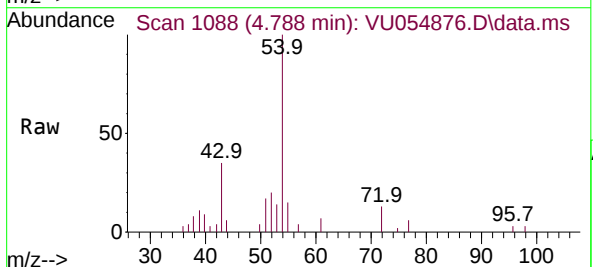
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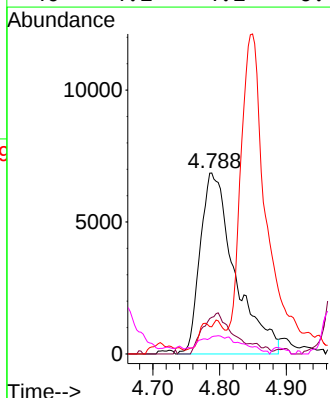
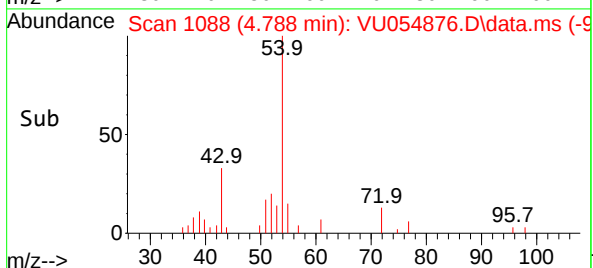
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

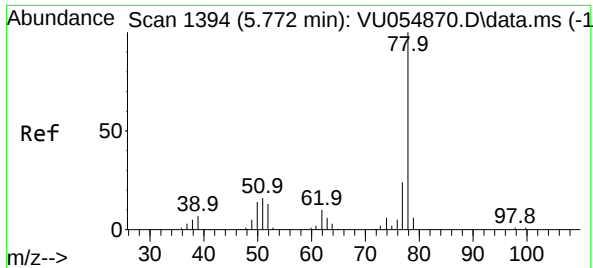


#34  
Propionitrile  
Concen: 54.636 ug/l m  
RT: 4.788 min Scan# 1088  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



Tgt Ion: 54 Resp: 24722  
Ion Ratio Lower Upper  
54 100  
52 18.8 13.8 20.8  
55 5.3 4.8 7.2  
40 4.2 4.2 6.4





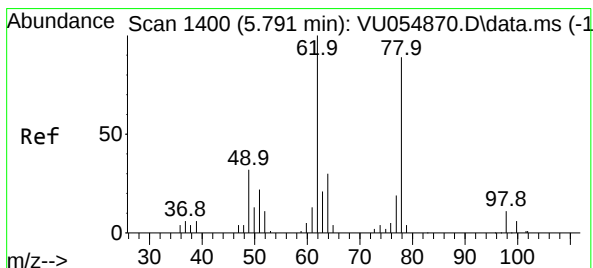
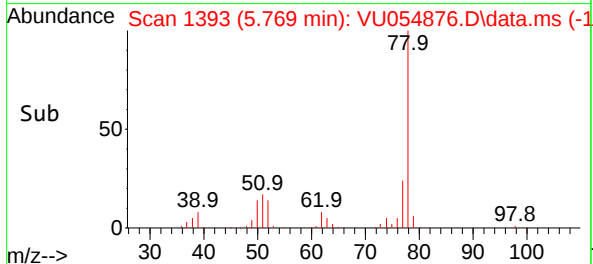
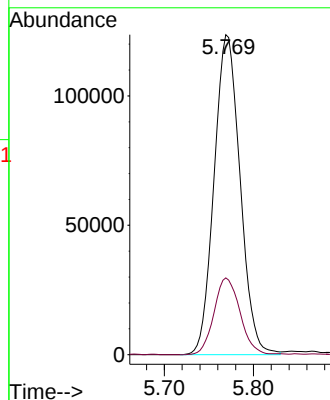
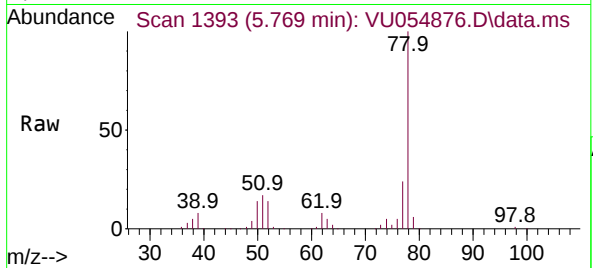
#35  
Benzene  
Concen: 9.687 ug/l  
RT: 5.769 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 78 Resp: 250664  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.4 29.2

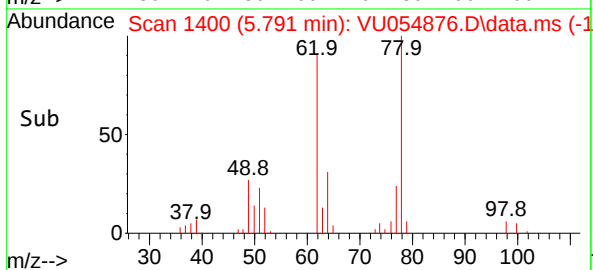
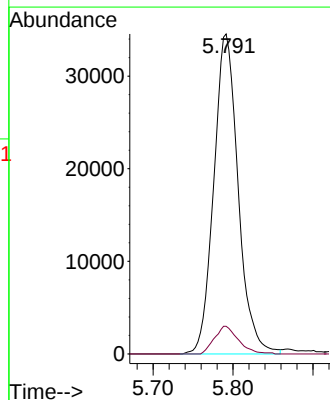
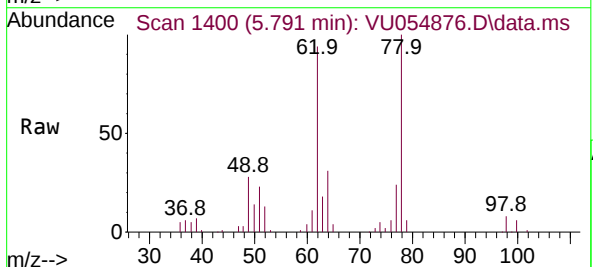
Manual Integrations  
APPROVED

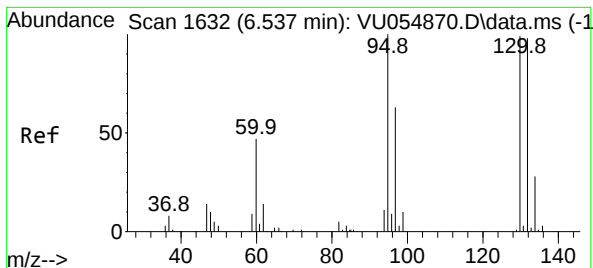
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#36  
1,2-Dichloroethane  
Concen: 9.930 ug/l  
RT: 5.791 min Scan# 1400  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 62 Resp: 73095  
Ion Ratio Lower Upper  
62 100  
98 8.5 7.8 11.8





#37

Trichloroethene

Concen: 10.025 ug/l

RT: 6.537 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion:130 Resp: 6976

Ion Ratio Lower Upper

130 100

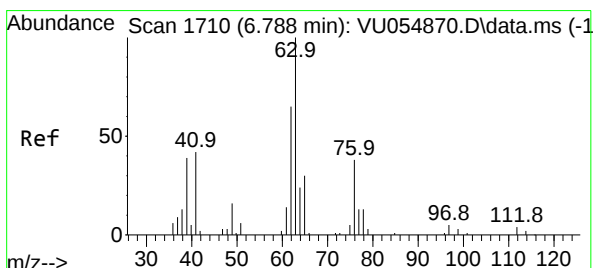
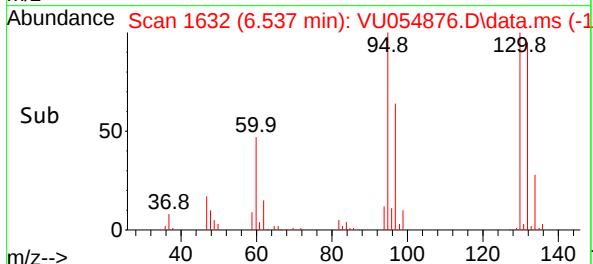
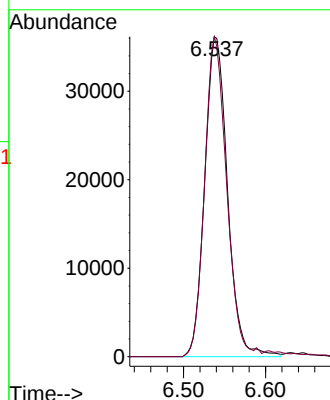
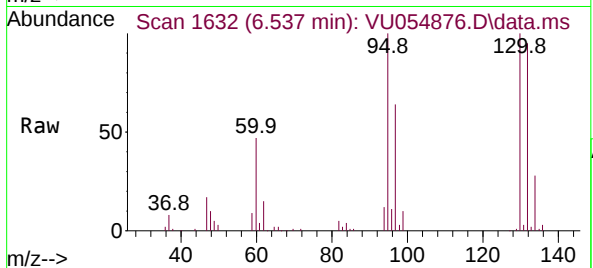
95 100.0 76.8 115.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#38

1,2-Dichloropropane

Concen: 9.662 ug/l

RT: 6.785 min Scan# 1709

Delta R.T. -0.003 min

Lab File: VU054876.D

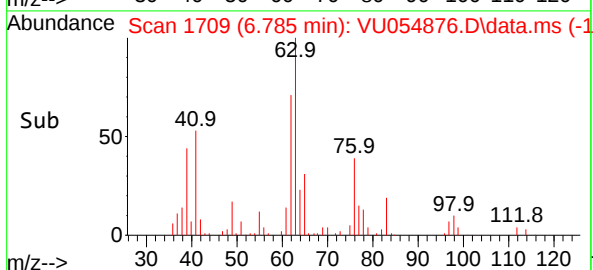
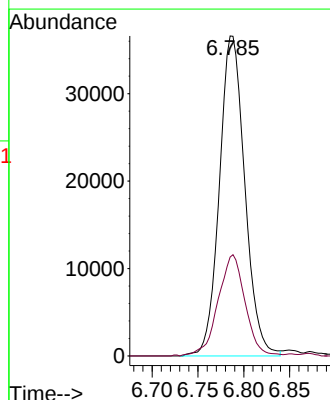
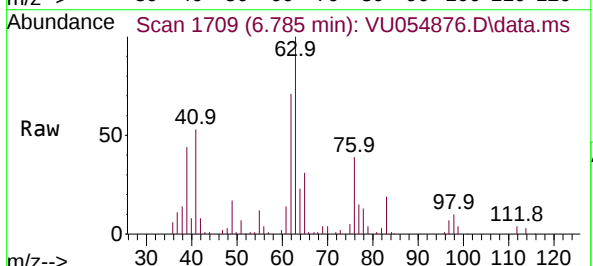
Acq: 26 Jul 2023 14:24

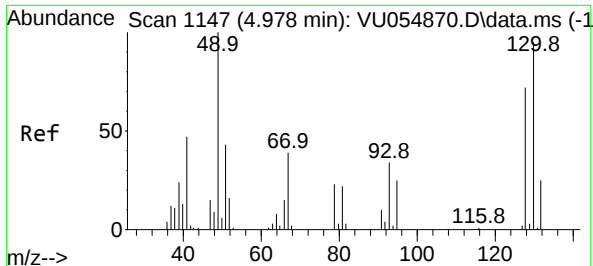
Tgt Ion: 63 Resp: 70677

Ion Ratio Lower Upper

63 100

65 30.9 24.3 36.5





#39

Methacrylonitrile

Concen: 9.750 ug/l

RT: 4.975 min Scan# 1146

Delta R.T. -0.003 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 1768

Ion Ratio Lower Upper

41 100

67 95.5 77.0 115.4

39 57.4 50.4 75.6

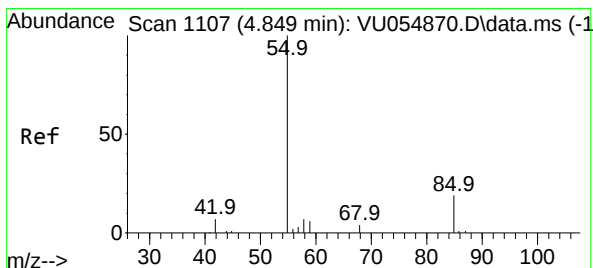
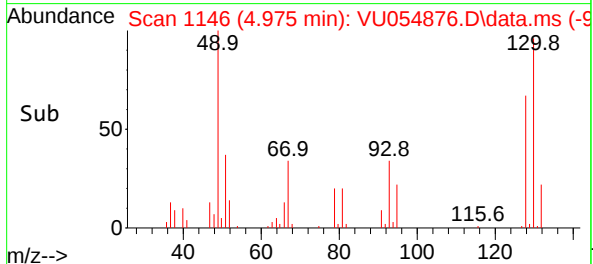
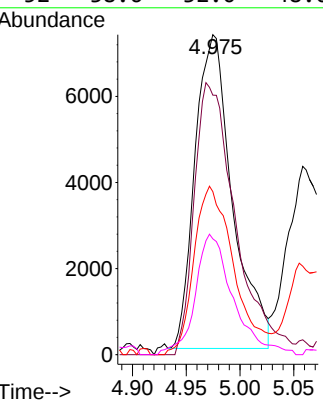
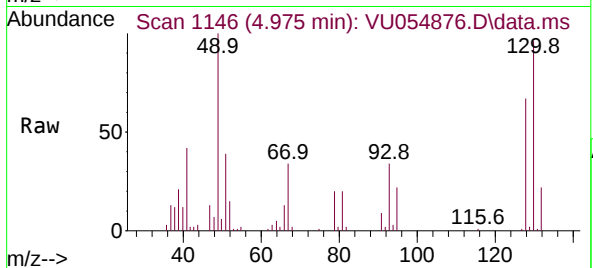
52 38.6 32.0 48.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

Concen: 9.384 ug/l

RT: 4.849 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Tgt Ion: 55 Resp: 27068

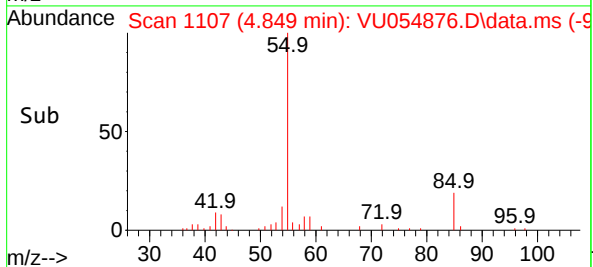
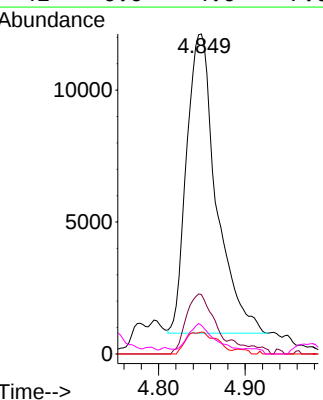
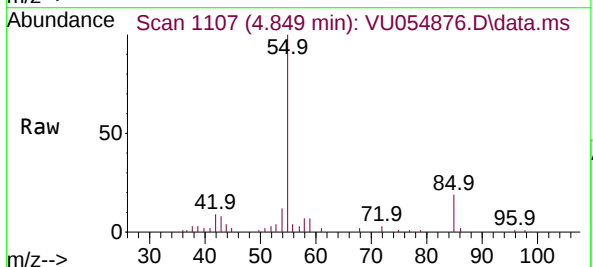
Ion Ratio Lower Upper

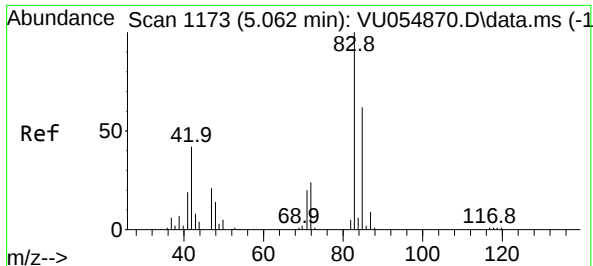
55 100

85 18.4 13.0 19.6

58 7.6 5.7 8.5

42 6.6 4.6 7.0





#41

Tetrahydrofuran

Concen: 17.338 ug/l

RT: 5.058 min Scan# 1173

Delta R.T. -0.003 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

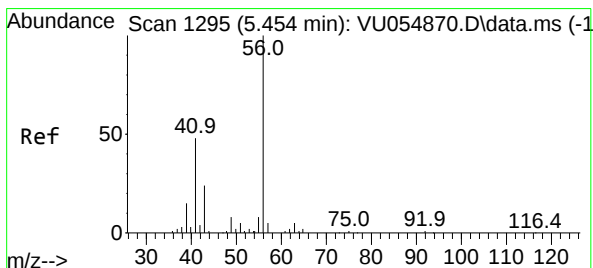
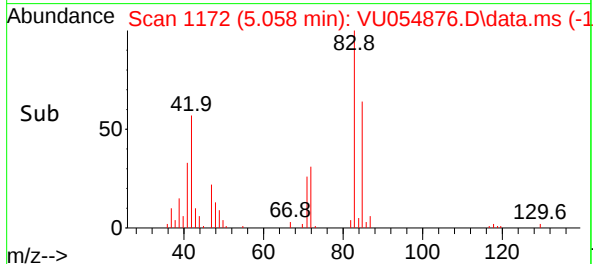
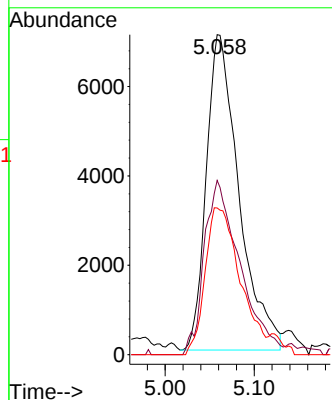
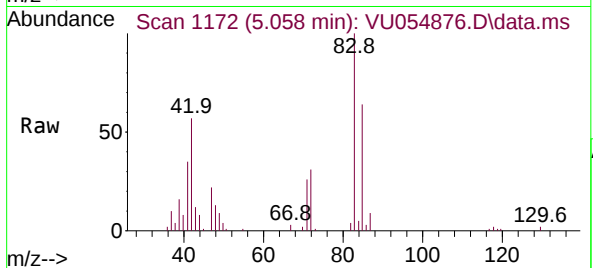
VSTDCCC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 17984 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 60.5  | 42.1  | 63.1  |
| 71        | 49.6  | 39.7  | 59.5  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#42

1-Chlorobutane

Concen: 9.511 ug/l

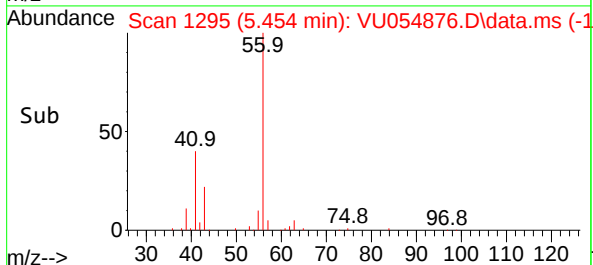
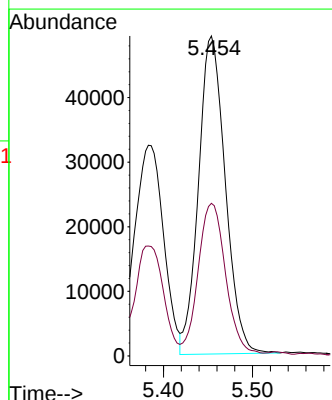
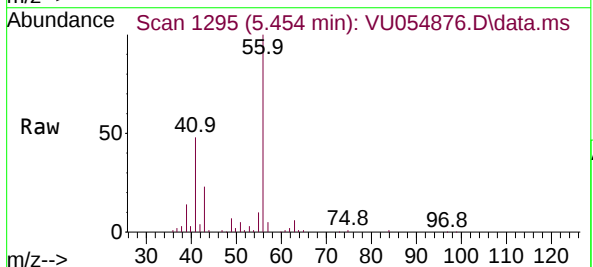
RT: 5.454 min Scan# 1295

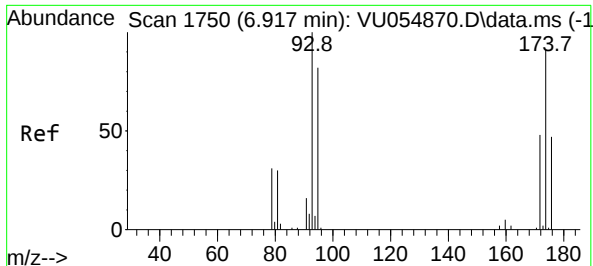
Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 102901 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 41        | 48.1  | 23.9  | 71.7   |





#43

Dibromomethane

Concen: 10.193 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

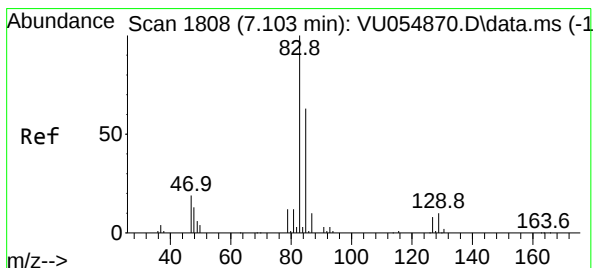
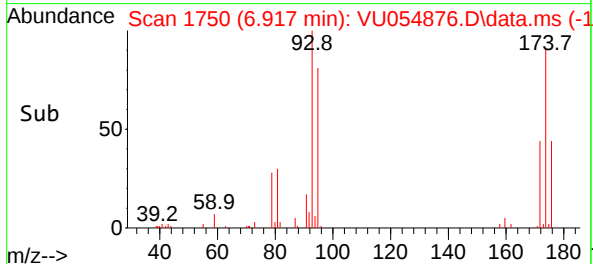
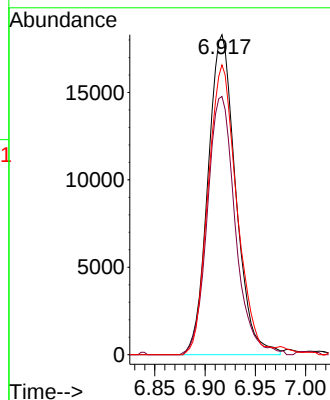
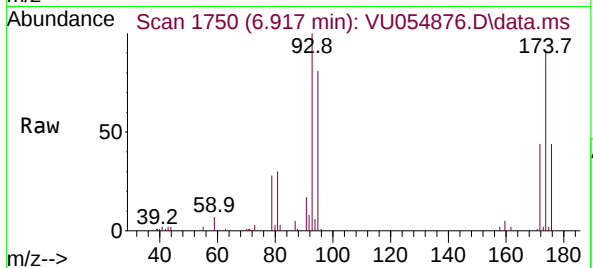
Tgt Ion: 93 Resp: 35020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 81.3  | 64.7  | 97.1  |
| 174 | 93.6  | 74.4  | 111.6 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#44

Bromodichloromethane

Concen: 10.197 ug/l

RT: 7.100 min Scan# 1807

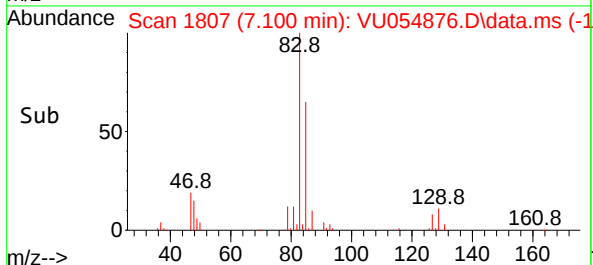
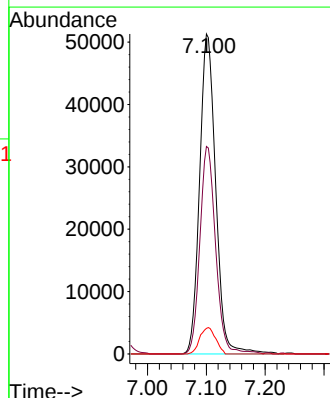
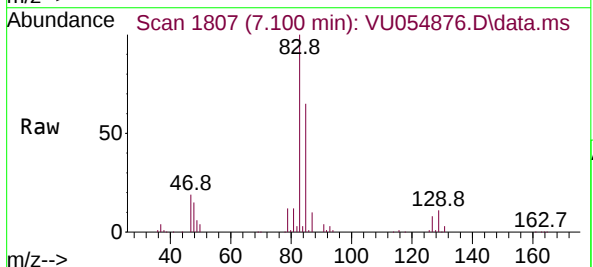
Delta R.T. -0.003 min

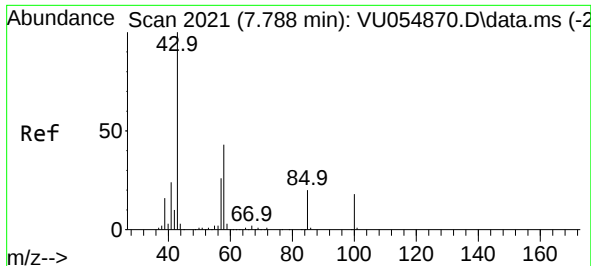
Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Tgt Ion: 83 Resp: 97612

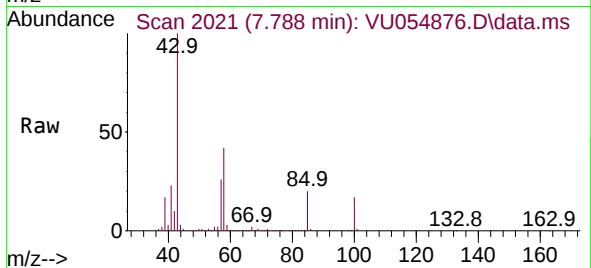
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.8  | 52.2  | 78.2  |
| 127 | 8.0   | 6.1   | 9.1   |





#45  
4-Methyl-2-Pentanone  
Concen: 51.651 ug/l  
RT: 7.788 min Scan# 2021  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

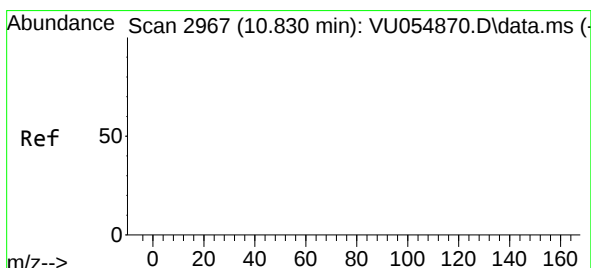
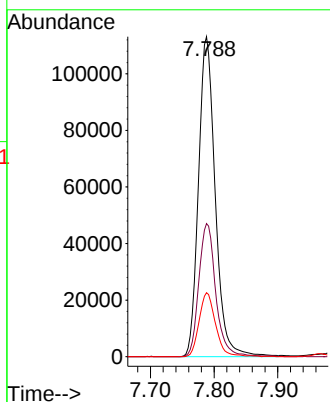
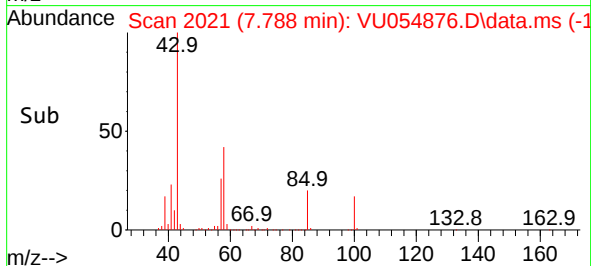
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 207062  
Ion Ratio Lower Upper  
43 100  
58 42.1 21.3 63.7  
85 19.7 15.3 22.9

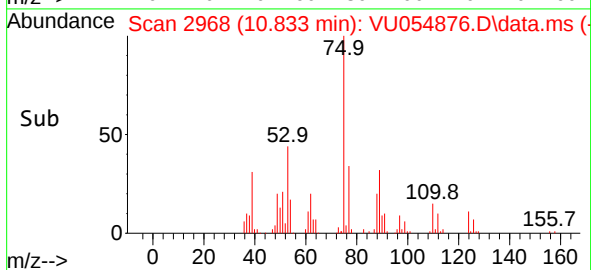
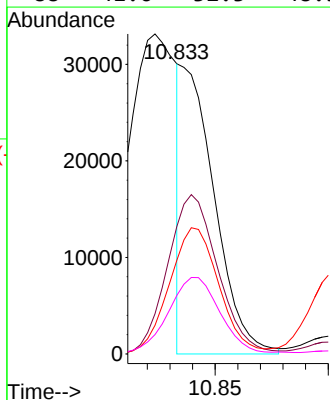
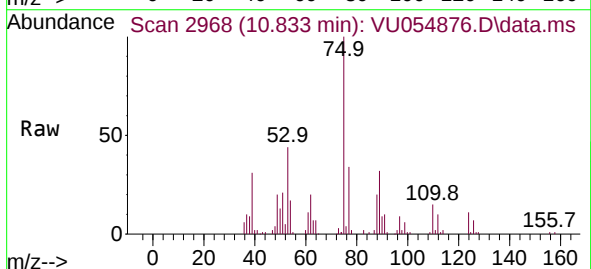
Manual Integrations  
APPROVED

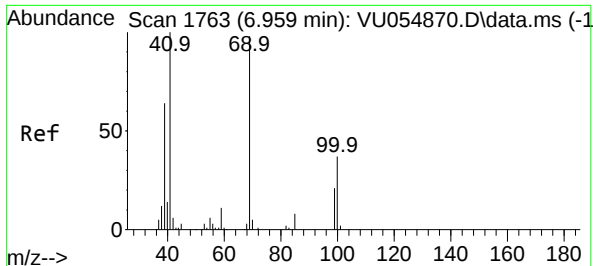
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#46  
t-1,4-Dichloro-2-butene  
Concen: 19.004 ug/l m  
RT: 10.833 min Scan# 2968  
Delta R.T. 0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion: 75 Resp: 30654  
Ion Ratio Lower Upper  
75 100  
53 83.2 62.9 94.3  
89 65.3 47.8 71.8  
88 41.6 32.3 48.5





#47

Methyl methacrylate

Concen: 20.620 ug/l

RT: 6.959 min Scan# 1763

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 64769

Ion Ratio Lower Upper

69 100

41 96.3 0.0 193.0

39 64.8 50.4 75.6

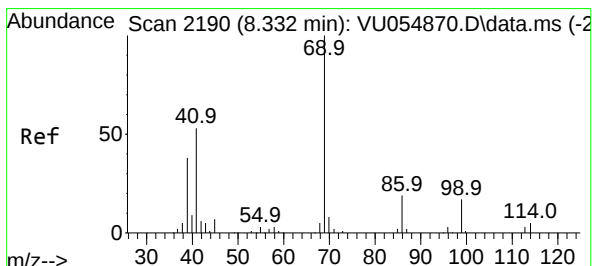
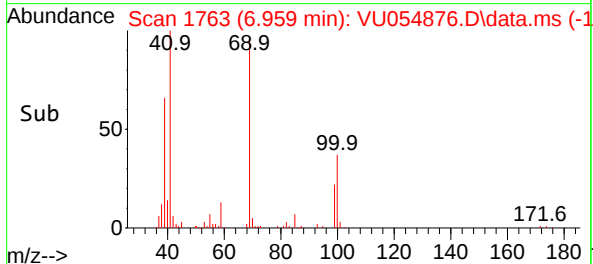
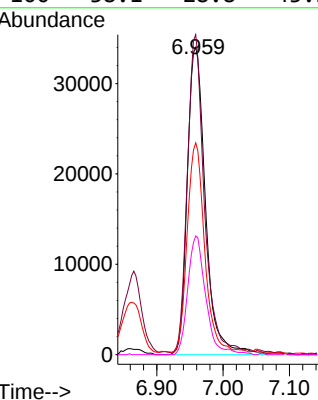
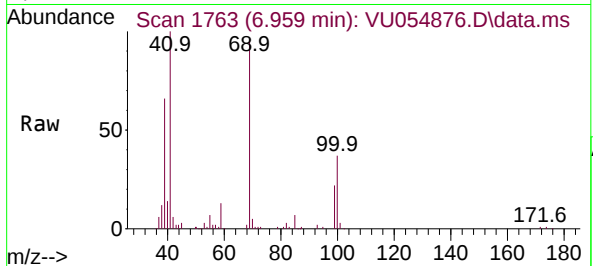
100 38.1 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#48

Ethyl methacrylate

Concen: 10.528 ug/l

RT: 8.331 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VU054876.D

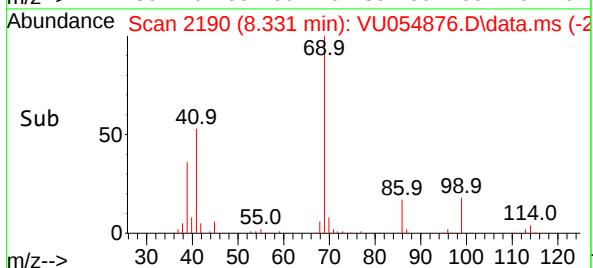
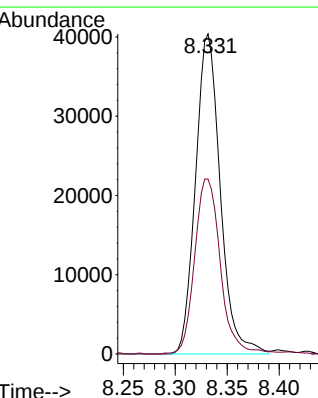
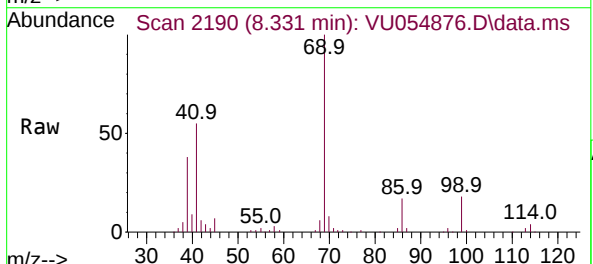
Acq: 26 Jul 2023 14:24

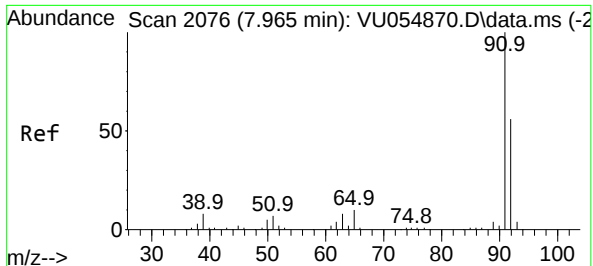
Tgt Ion: 69 Resp: 66883

Ion Ratio Lower Upper

69 100

41 56.9 28.8 86.5





#49

Toluene

Concen: 10.108 ug/l

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 92 Resp: 16661

Ion Ratio Lower Upper

92 100

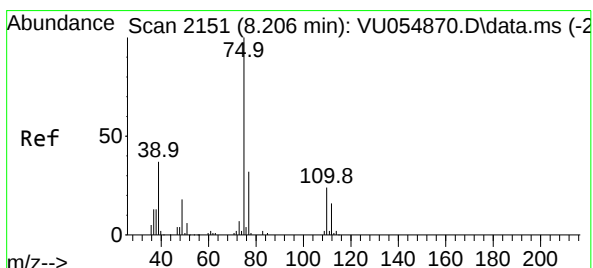
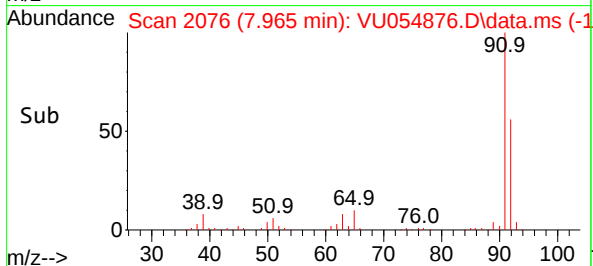
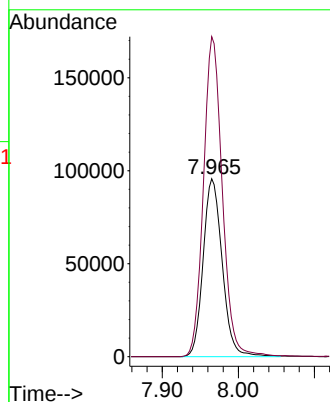
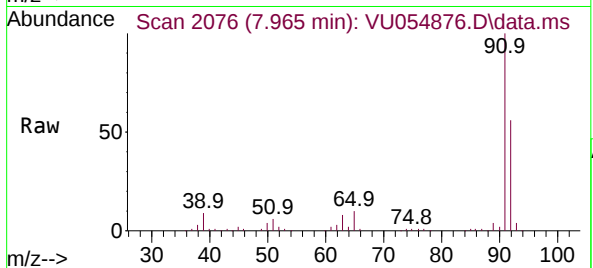
91 177.8 142.9 214.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#50

t-1,3-Dichloropropene

Concen: 10.243 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054876.D

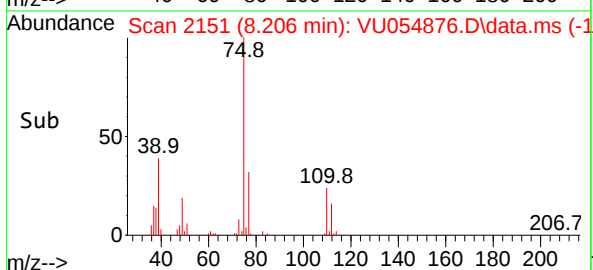
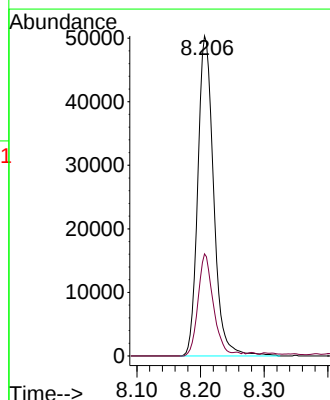
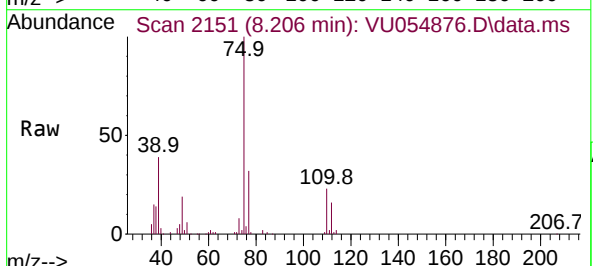
Acq: 26 Jul 2023 14:24

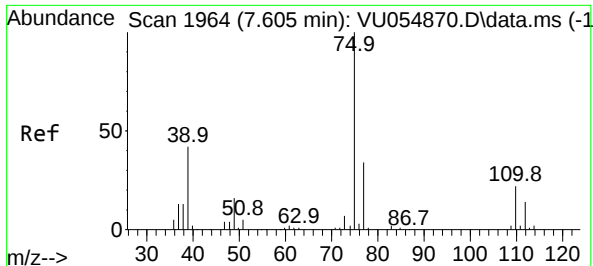
Tgt Ion: 75 Resp: 87051

Ion Ratio Lower Upper

75 100

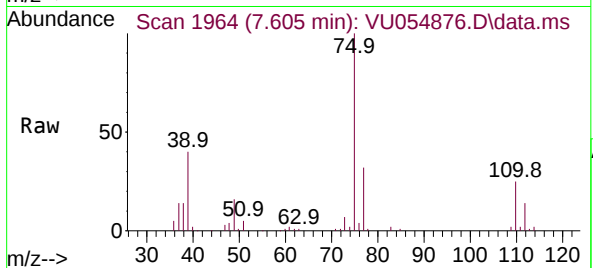
77 31.9 24.9 37.3





#51  
 cis-1,3-Dichloropropene  
 Concen: 9.994 ug/l  
 RT: 7.605 min Scan# 1964  
 Delta R.T. -0.000 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

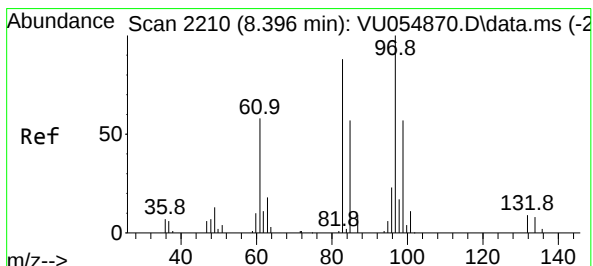
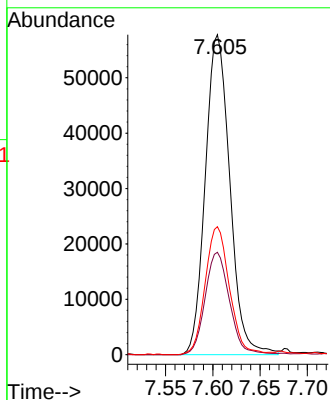
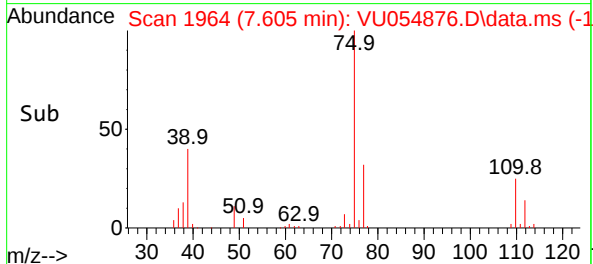
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion: 75 Resp: 10440  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.8 38.8  
 39 40.0 31.7 47.5

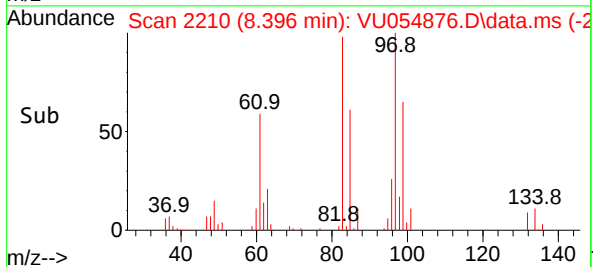
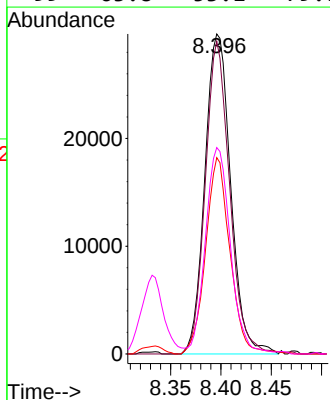
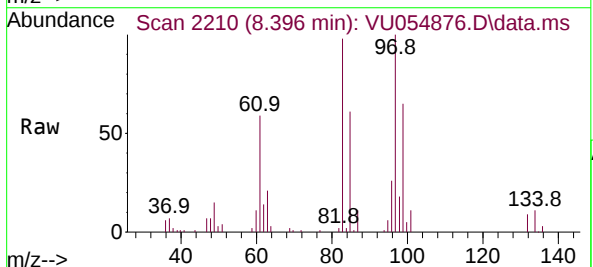
Manual Integrations  
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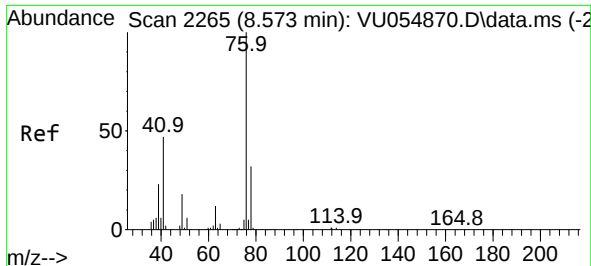
Reviewed By :Semsettin Yesilyurt 07/31/2023  
 Supervised By :Mahesh Dadoda 07/31/2023



#52  
 1,1,2-Trichloroethane  
 Concen: 9.749 ug/l  
 RT: 8.396 min Scan# 2210  
 Delta R.T. -0.000 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

Tgt Ion: 97 Resp: 53098  
 Ion Ratio Lower Upper  
 97 100  
 83 97.7 77.4 116.2  
 85 61.4 47.8 71.8  
 99 63.8 53.1 79.7





#53

1,3-Dichloropropane

Concen: 10.211 ug/l

RT: 8.573 min Scan# 2265

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 8996

Ion Ratio Lower Upper

76 100

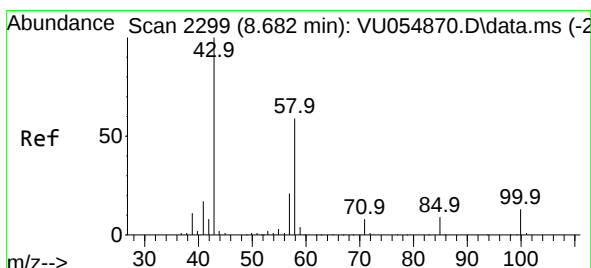
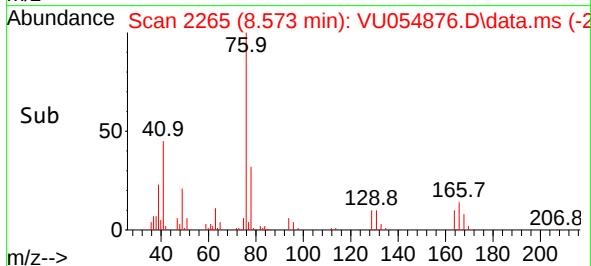
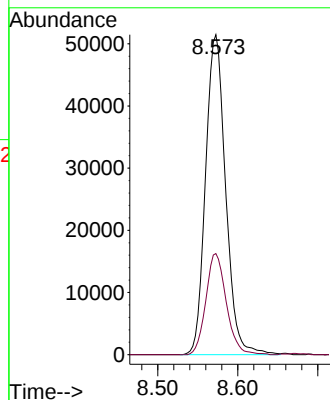
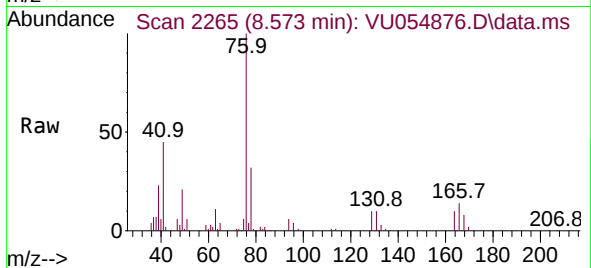
78 32.2 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#54

2-Hexanone

Concen: 63.724 ug/l

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

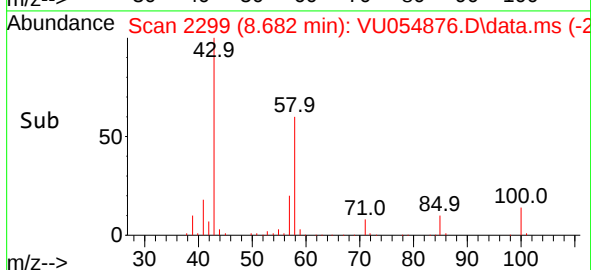
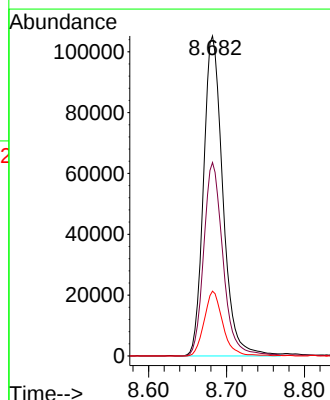
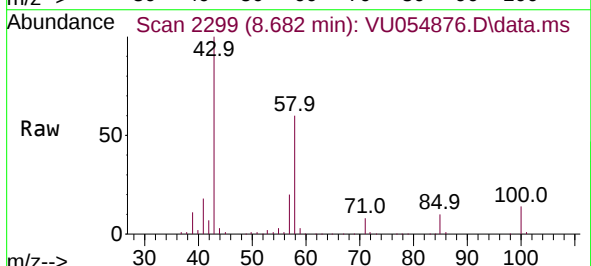
Tgt Ion: 43 Resp: 181525

Ion Ratio Lower Upper

43 100

58 60.2 38.9 78.9

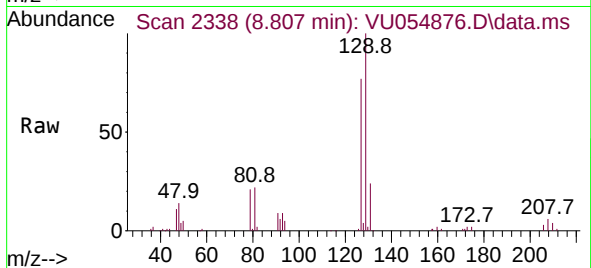
57 19.6 0.0 38.7





#55  
Dibromochloromethane  
Concen: 10.386 ug/l  
RT: 8.807 min Scan# 2338  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

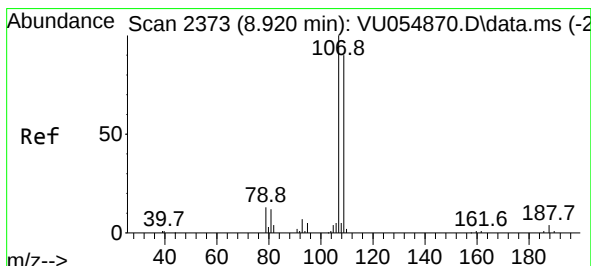
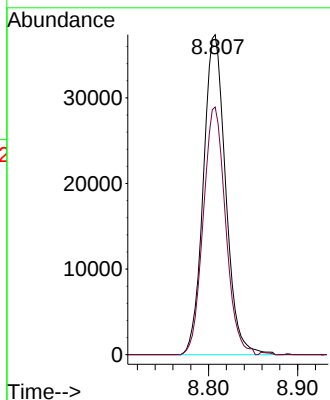
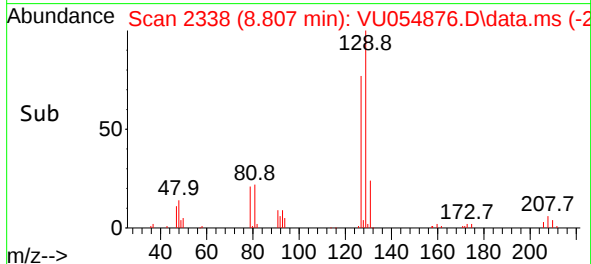
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



Tgt Ion:129 Resp: 64814  
Ion Ratio Lower Upper  
129 100  
127 77.6 61.4 92.0

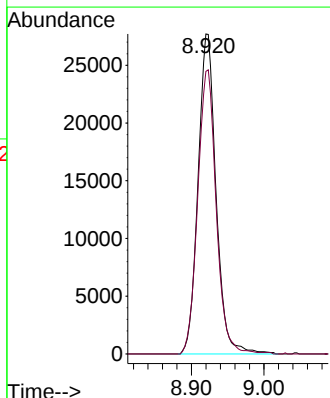
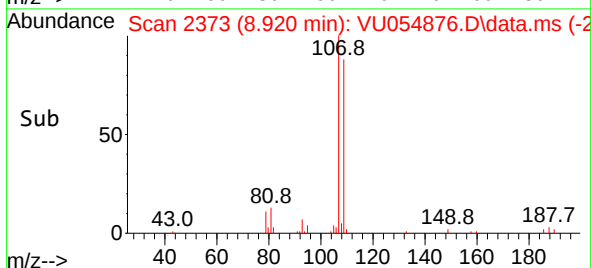
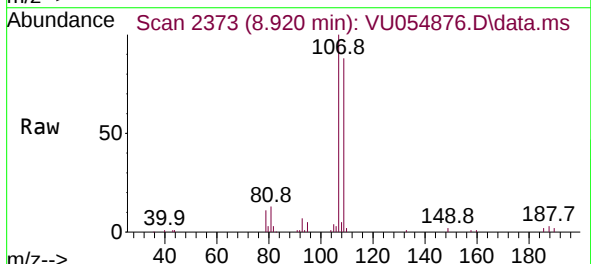
Manual Integrations  
APPROVED

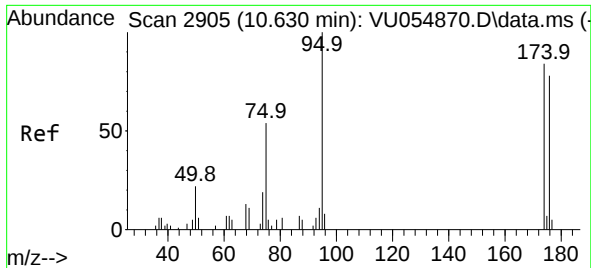
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#56  
1,2-Dibromoethane  
Concen: 10.368 ug/l  
RT: 8.920 min Scan# 2373  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

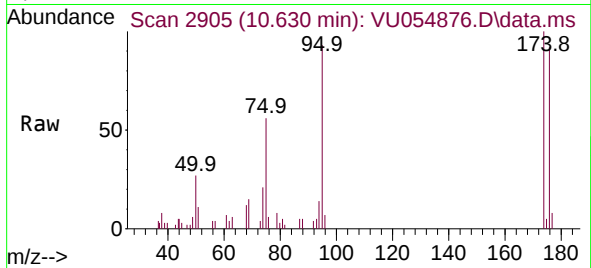
Tgt Ion:107 Resp: 47856  
Ion Ratio Lower Upper  
107 100  
109 91.1 0.0 185.4





#57  
4-Bromofluorobenzene  
Concen: 1.030 ug/l  
RT: 10.630 min Scan# 2905  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

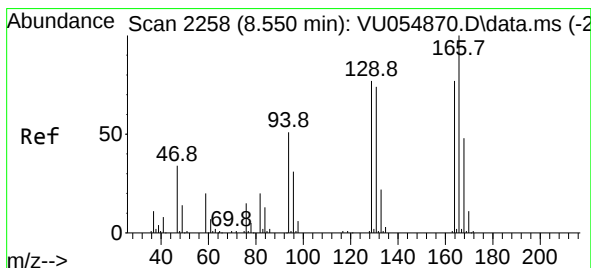
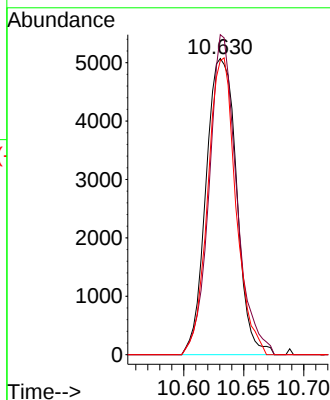
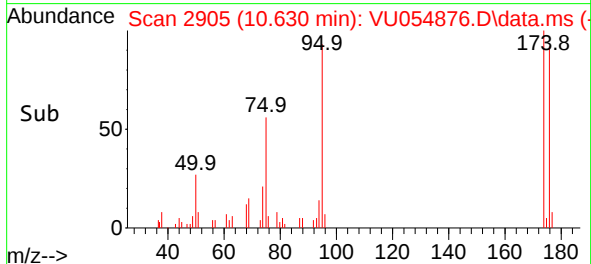
Instrument : MSVOA\_U  
ClientSampleId : VSTDCCC010



Tgt Ion: 95 Resp: 8970  
Ion Ratio Lower Upper  
95 100  
174 97.0 79.3 118.9  
176 91.9 71.5 107.3

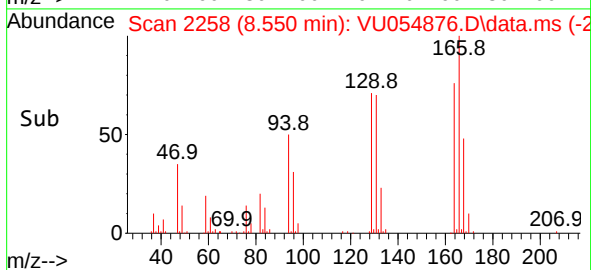
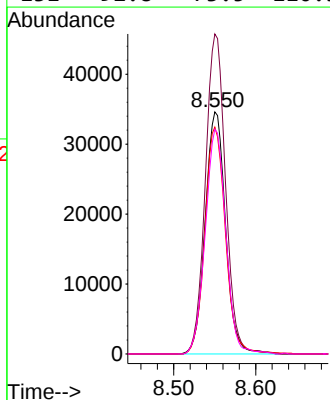
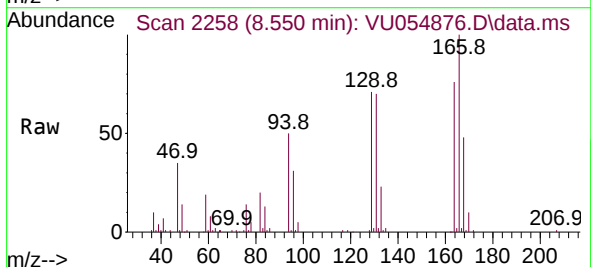
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#58  
Tetrachloroethene  
Concen: 9.841 ug/l  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

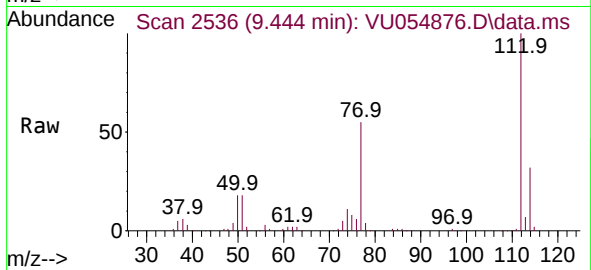
Tgt Ion:164 Resp: 59781  
Ion Ratio Lower Upper  
164 100  
166 132.2 100.4 150.6  
129 93.8 71.9 107.9  
131 92.8 73.5 110.3





#59  
Chlorobenzene  
Concen: 9.930 ug/l  
RT: 9.444 min Scan# 2536  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

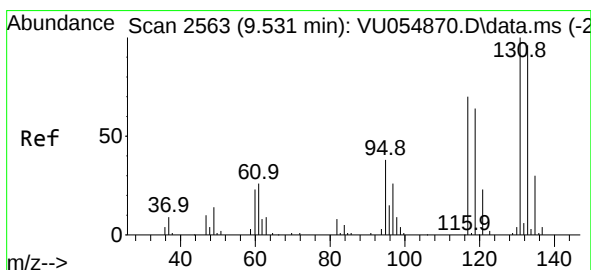
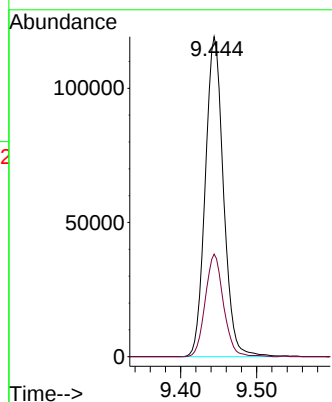
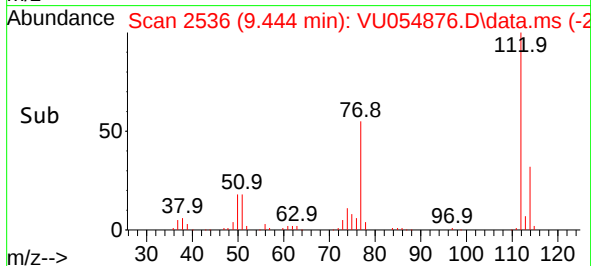
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



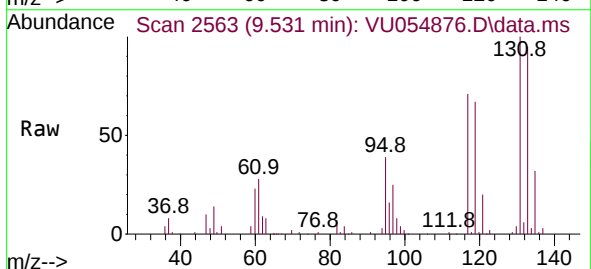
Tgt Ion:112 Resp: 198630  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.0 37.6

Manual Integrations  
APPROVED

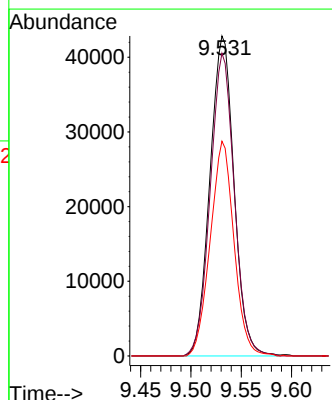
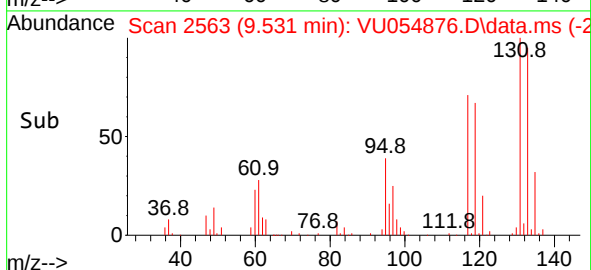
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

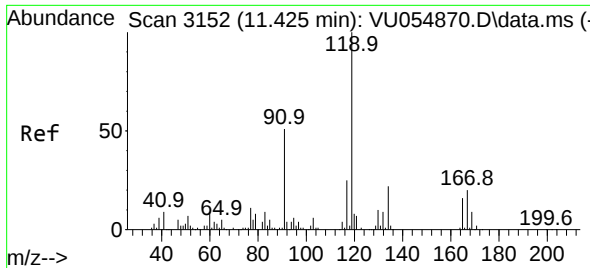


#60  
1,1,1,2-Tetrachloroethane  
Concen: 10.112 ug/l  
RT: 9.531 min Scan# 2563  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



Tgt Ion:131 Resp: 71415  
Ion Ratio Lower Upper  
131 100  
133 94.4 74.2 111.4  
119 66.1 51.0 76.4





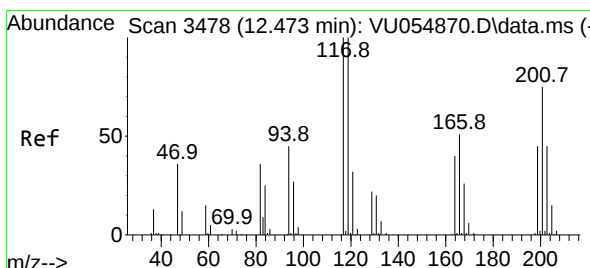
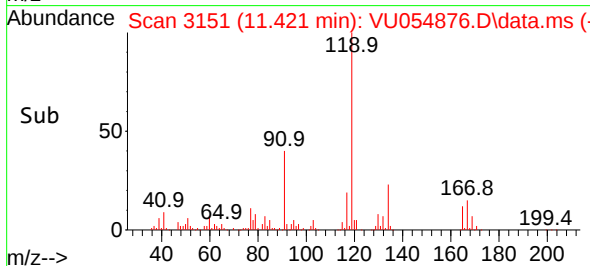
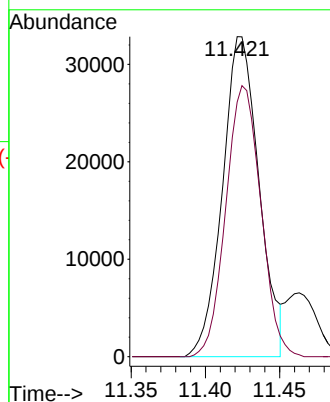
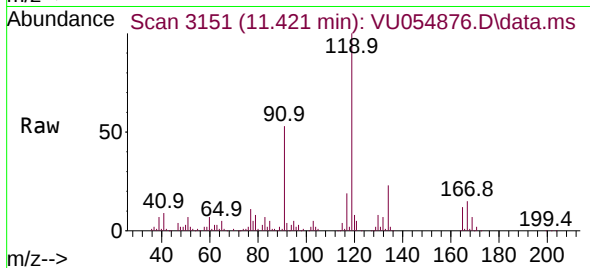
#61  
Pentachloroethane  
Concen: 10.199 ug/l  
RT: 11.421 min Scan# 3152  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:117 Resp: 56272  
Ion Ratio Lower Upper  
117 100  
167 81.0 65.3 97.9

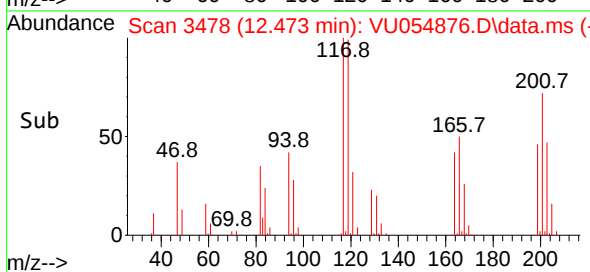
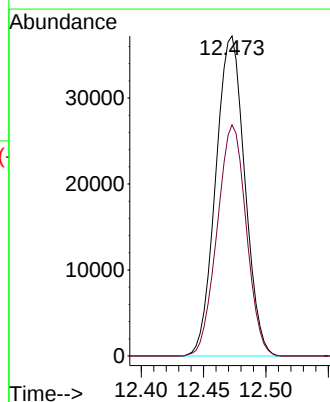
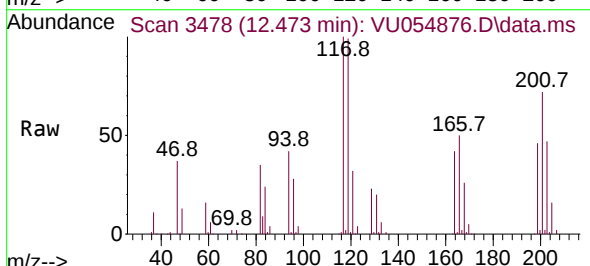
Manual Integrations  
APPROVED

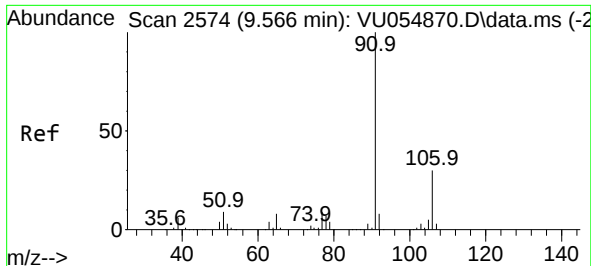
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#62  
Hexachloroethane  
Concen: 10.661 ug/l  
RT: 12.473 min Scan# 3478  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

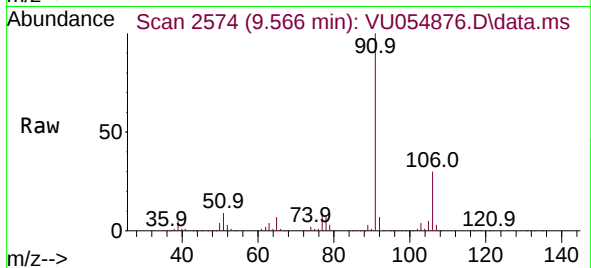
Tgt Ion:117 Resp: 60489  
Ion Ratio Lower Upper  
117 100  
201 72.3 56.1 84.1





#63  
Ethyl Benzene  
Concen: 10.130 ug/l  
RT: 9.566 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

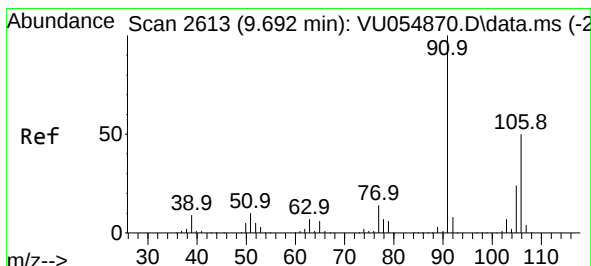
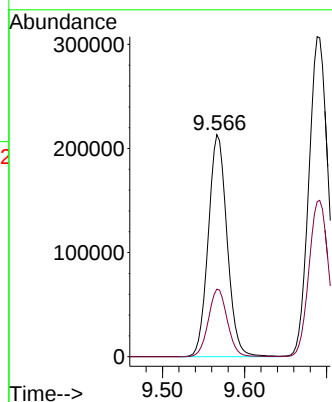
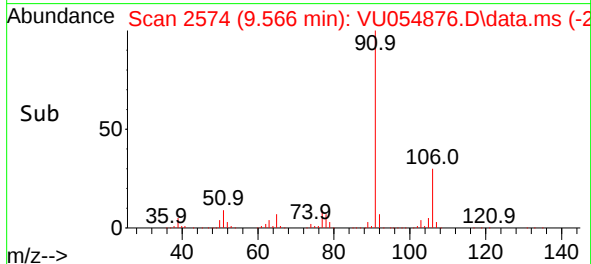
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



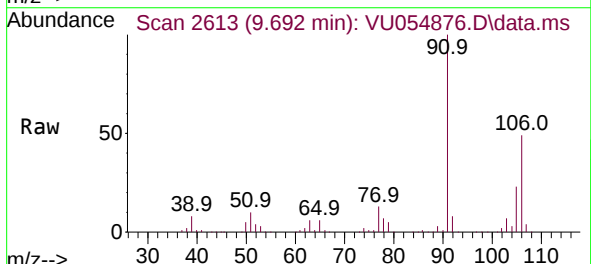
Tgt Ion: 91 Resp: 340034  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.2 36.2

Manual Integrations  
APPROVED

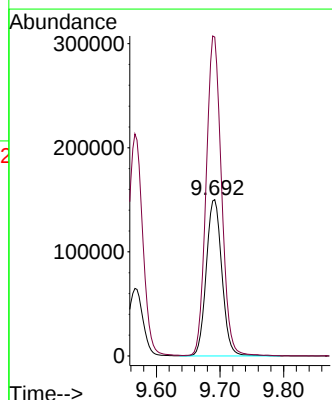
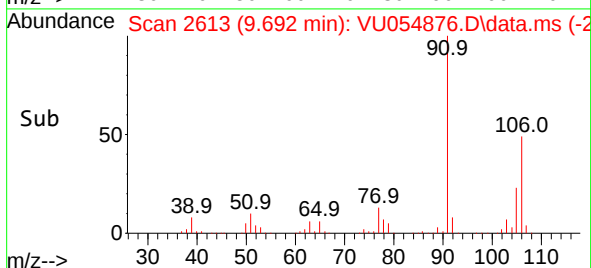
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

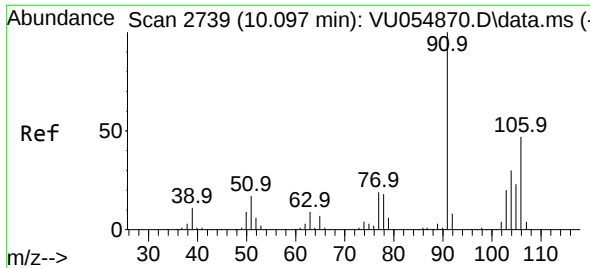


#64  
m/p-Xylenes  
Concen: 20.372 ug/l  
RT: 9.692 min Scan# 2613  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



Tgt Ion:106 Resp: 255833  
Ion Ratio Lower Upper  
106 100  
91 200.6 158.8 238.2





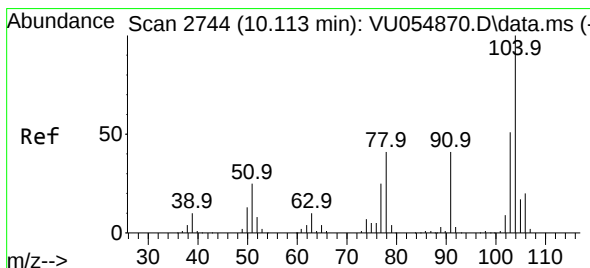
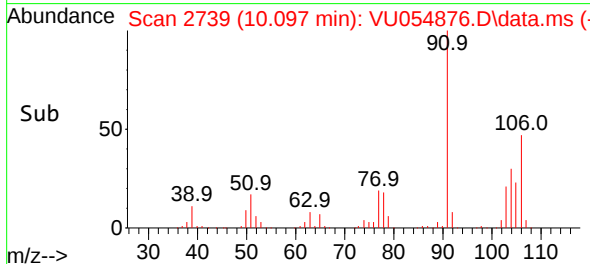
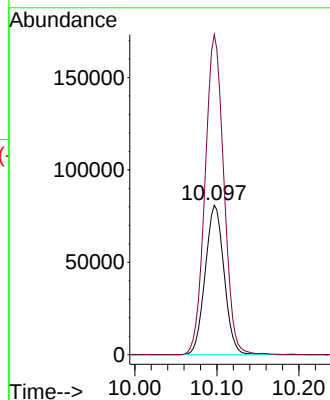
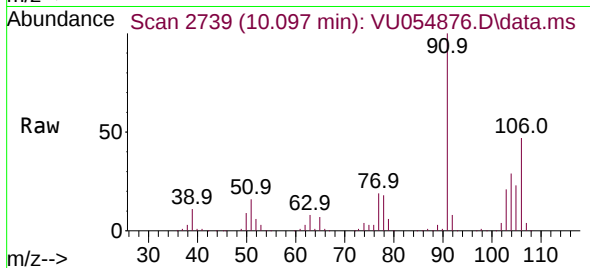
#65  
o-Xylene  
Concen: 10.032 ug/l  
RT: 10.097 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:106 Resp: 129398  
Ion Ratio Lower Upper  
106 100  
91 212.9 108.9 326.8

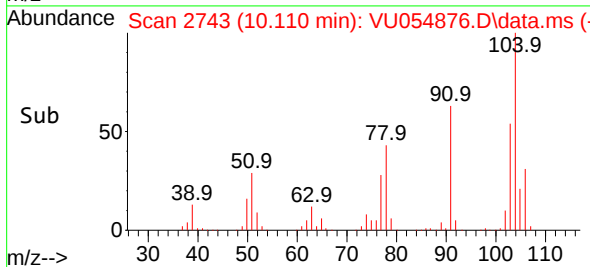
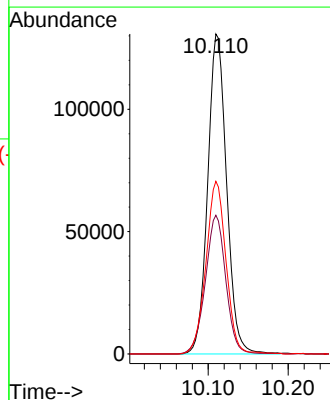
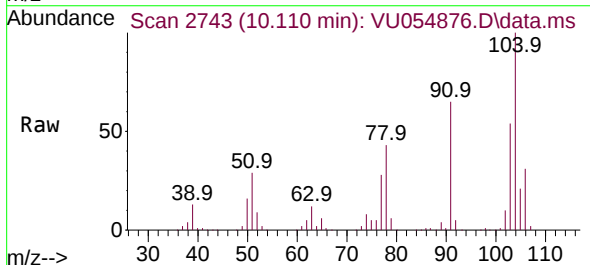
Manual Integrations  
APPROVED

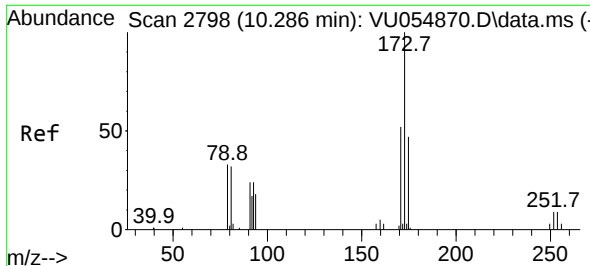
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#66  
Styrene  
Concen: 10.429 ug/l  
RT: 10.110 min Scan# 2743  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

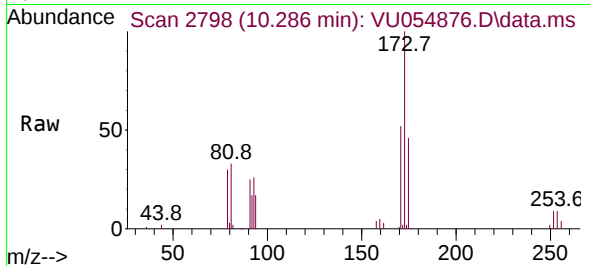
Tgt Ion:104 Resp: 215093  
Ion Ratio Lower Upper  
104 100  
78 46.9 37.5 56.3  
103 57.4 45.2 67.8





#67  
Bromoform  
Concen: 10.987 ug/l  
RT: 10.286 min Scan# 2798  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

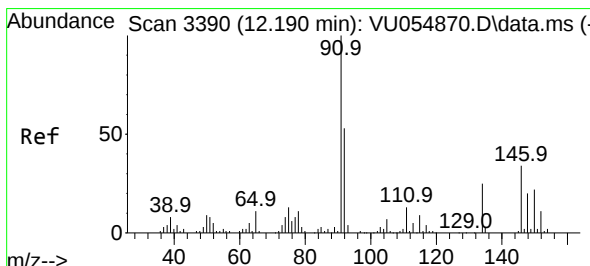
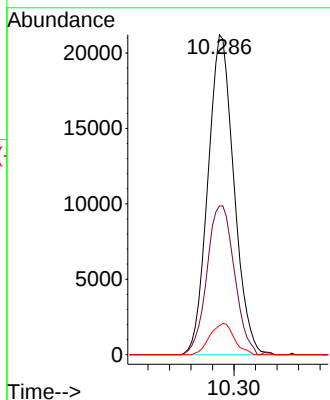
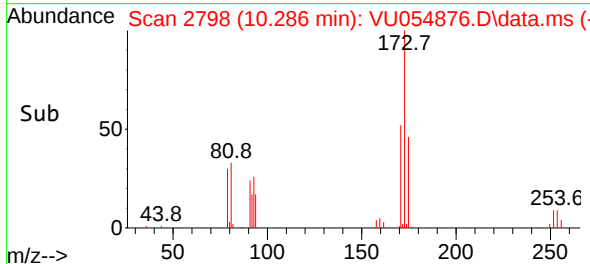
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



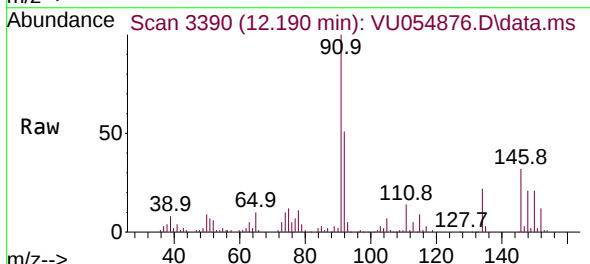
Tgt Ion:173 Resp: 3555  
Ion Ratio Lower Upper  
173 100  
175 49.2 39.0 58.6  
254 9.2 7.4 11.0

Manual Integrations  
APPROVED

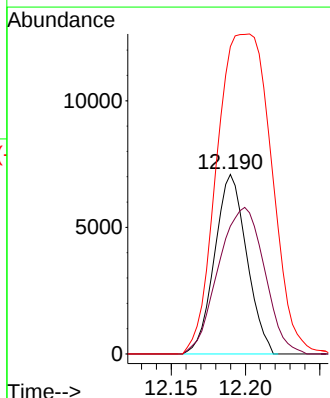
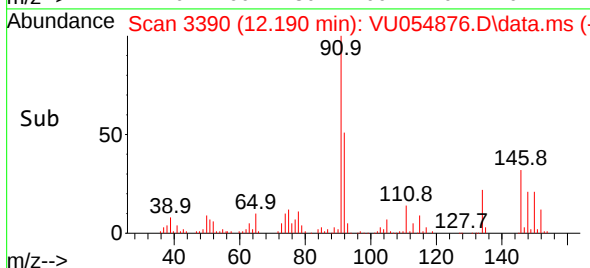
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

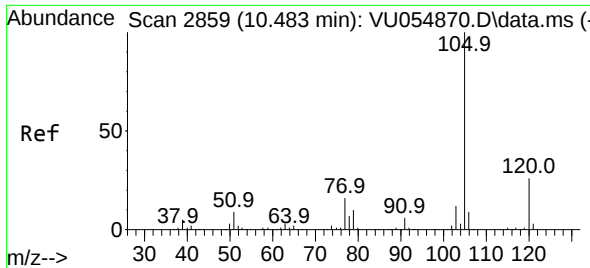


#68  
1,2-Dichlorobenzene-d4  
Concen: 1.084 ug/l  
RT: 12.190 min Scan# 3390  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



Tgt Ion:152 Resp: 10672  
Ion Ratio Lower Upper  
152 100  
115 117.0 0.0 234.8  
150 301.7 0.0 598.2





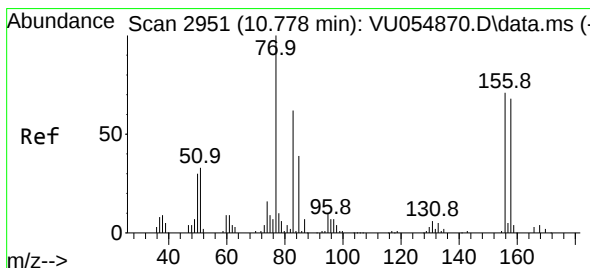
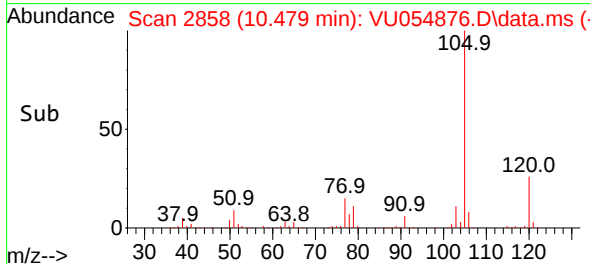
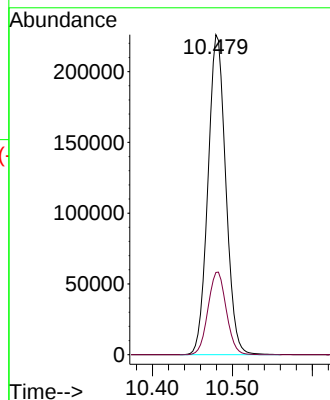
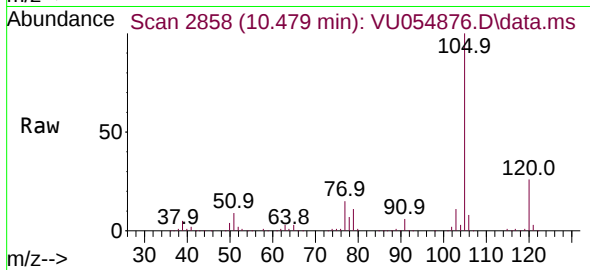
#69  
Isopropylbenzene  
Concen: 10.116 ug/l  
RT: 10.479 min Scan# 2859  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 105 Resp: 35031  
Ion Ratio Lower Upper  
105 100  
120 26.4 12.6 37.6

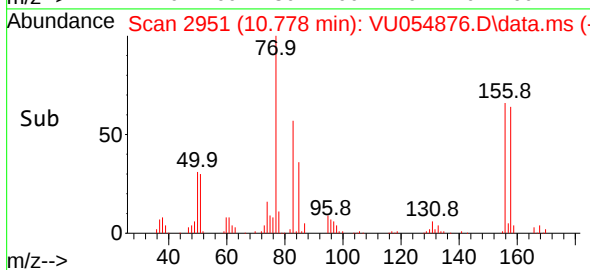
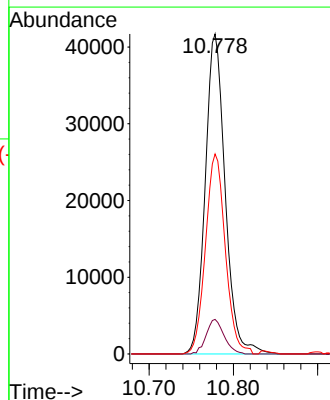
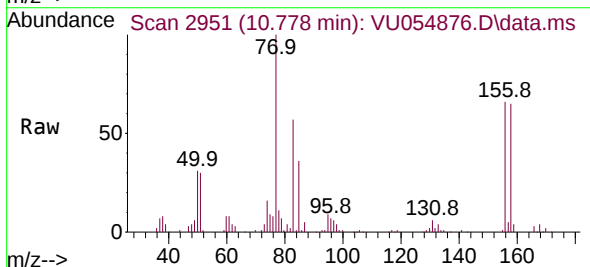
Manual Integrations  
APPROVED

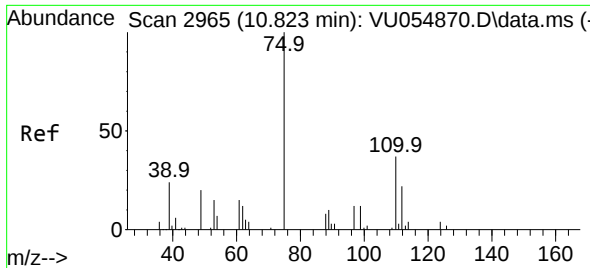
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#70  
1,1,2,2-Tetrachloroethane  
Concen: 10.169 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

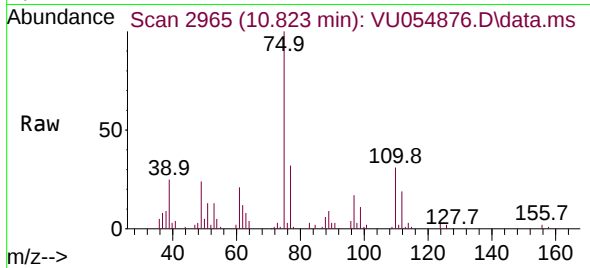
Tgt Ion: 83 Resp: 68558  
Ion Ratio Lower Upper  
83 100  
131 9.8 7.5 11.3  
85 62.2 53.0 79.6





#71  
1,2,3-Trichloropropane  
Concen: 9.613 ug/l m  
RT: 10.823 min Scan# 2965  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

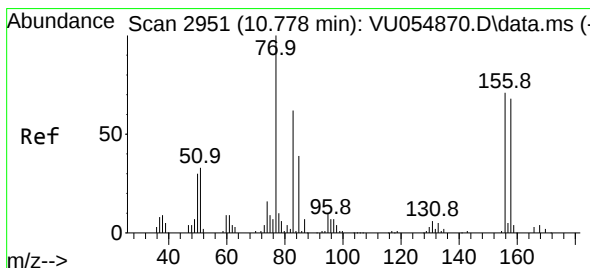
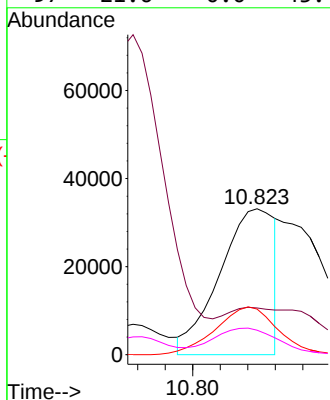
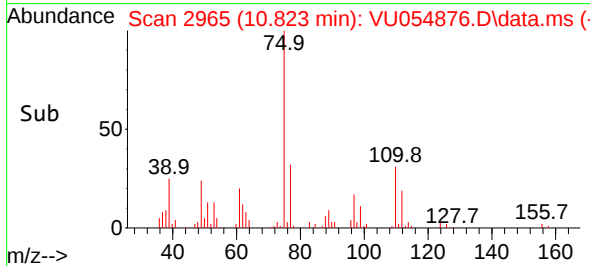
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 75 Resp: 4616  
Ion Ratio Lower Upper  
75 100  
77 51.8 0.0 0.0  
110 37.0 0.0 80.8  
97 21.6 0.0 43.4

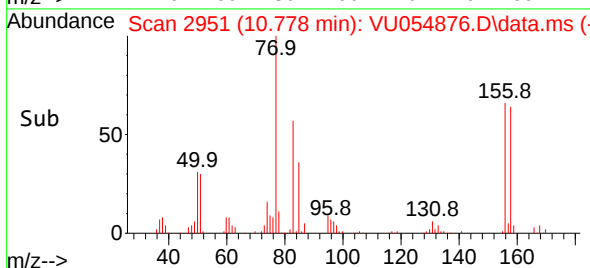
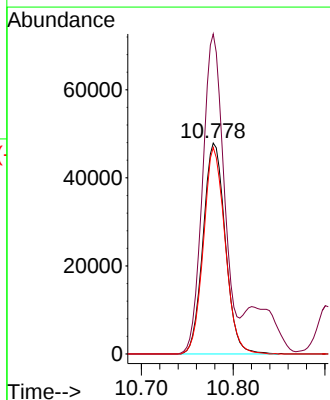
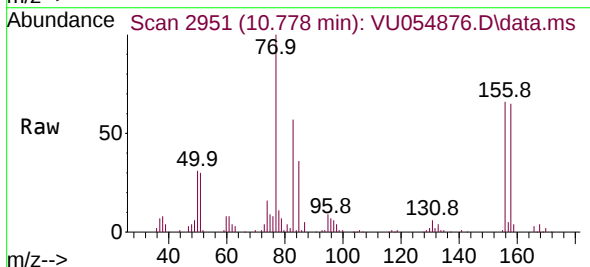
Manual Integrations  
APPROVED

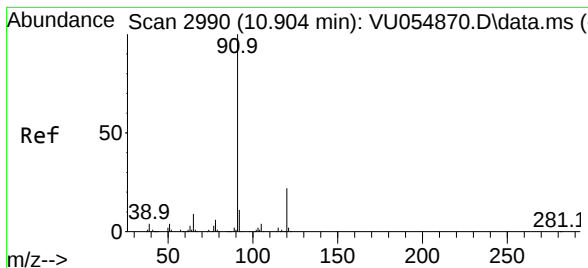
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#72  
Bromobenzene  
Concen: 10.412 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Tgt Ion:156 Resp: 80277  
Ion Ratio Lower Upper  
156 100  
77 147.0 0.0 293.2  
158 95.6 0.0 189.8





#73

n-propylbenzene

Concen: 10.255 ug/l

RT: 10.904 min Scan# 2990

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010

Tgt Ion:120 Resp: 95035

Ion Ratio Lower Upper

120 100

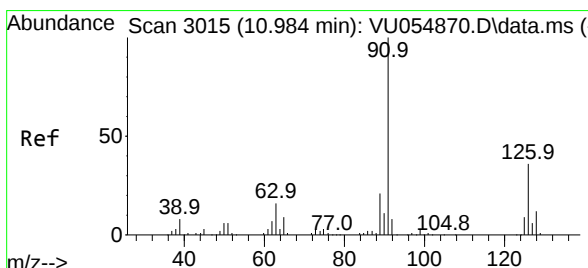
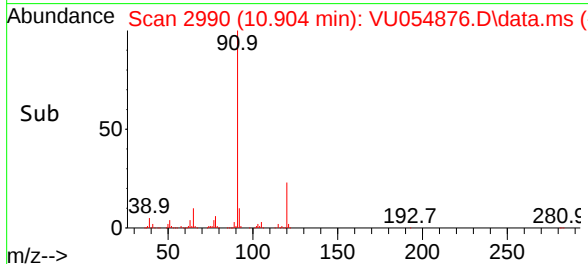
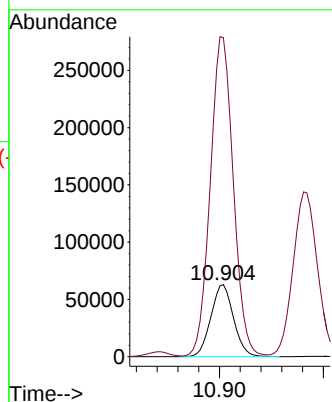
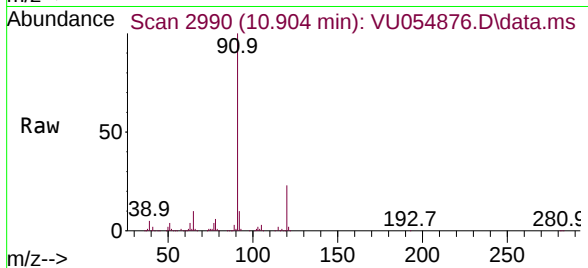
91 449.2 361.8 542.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023

Supervised By :Mahesh Dadoda 07/31/2023



#74

2-Chlorotoluene

Concen: 10.281 ug/l

RT: 10.984 min Scan# 3015

Delta R.T. -0.000 min

Lab File: VU054876.D

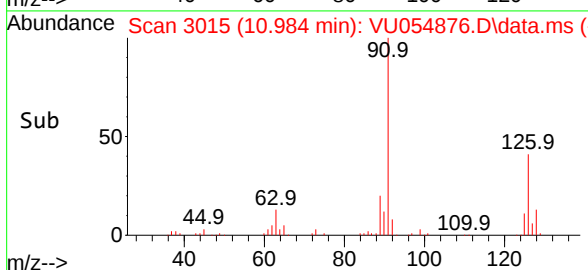
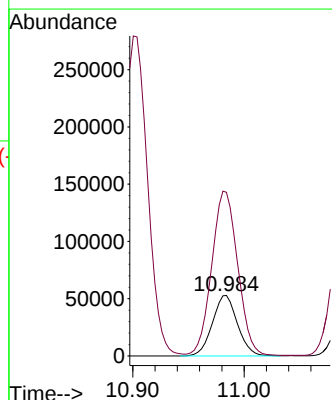
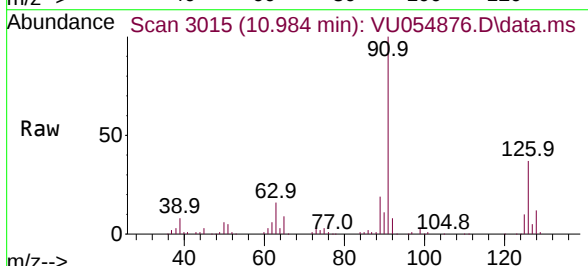
Acq: 26 Jul 2023 14:24

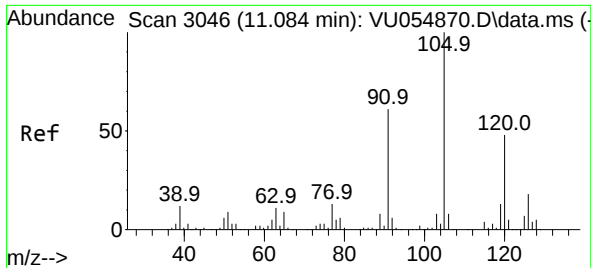
Tgt Ion:126 Resp: 82484

Ion Ratio Lower Upper

126 100

91 281.1 0.0 561.4





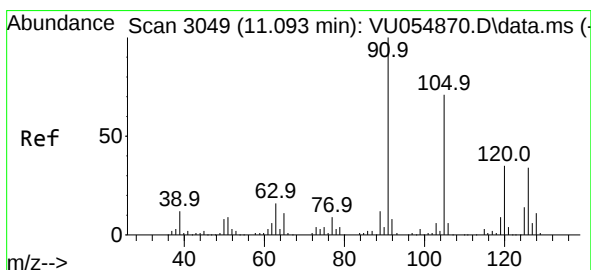
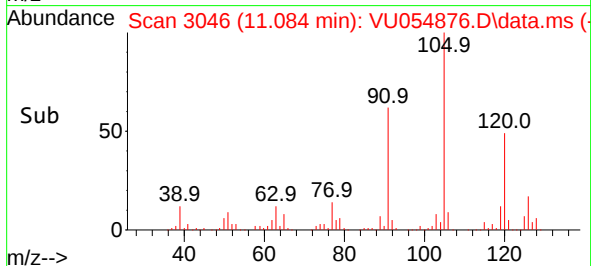
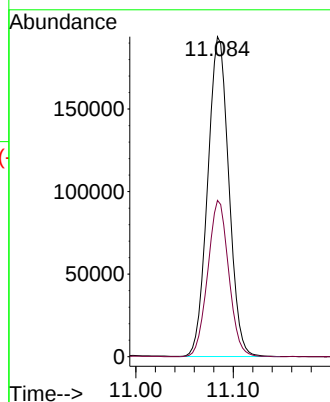
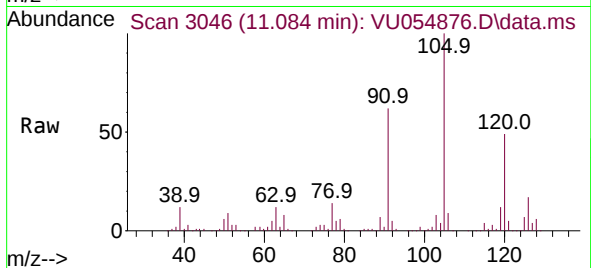
#75  
1,3,5-Trimethylbenzene  
Concen: 10.410 ug/l  
RT: 11.084 min Scan# 3046  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:105 Resp: 291920  
Ion Ratio Lower Upper  
105 100  
120 48.5 39.0 58.4

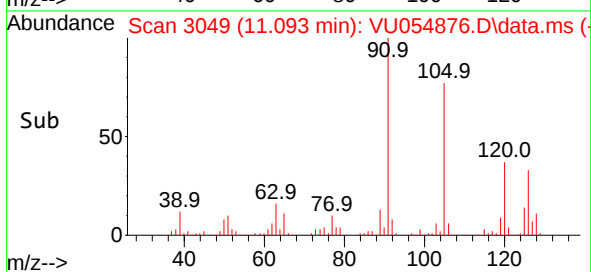
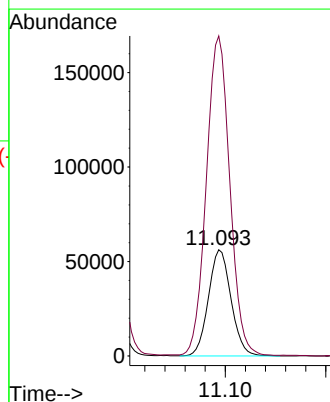
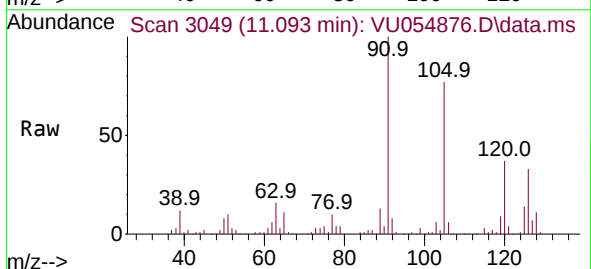
Manual Integrations  
APPROVED

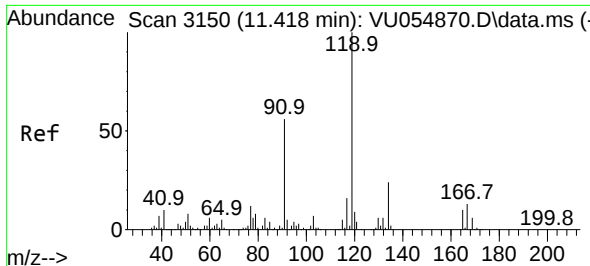
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#76  
4-Chlorotoluene  
Concen: 10.536 ug/l  
RT: 11.093 min Scan# 3049  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

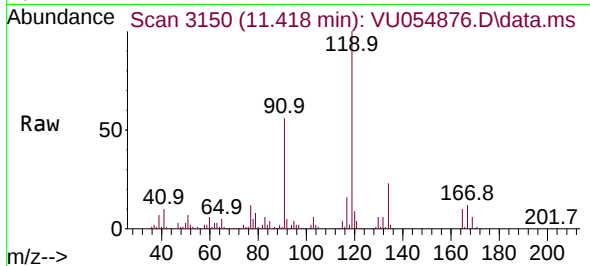
Tgt Ion:126 Resp: 87819  
Ion Ratio Lower Upper  
126 100  
91 311.2 0.0 623.4





#77  
tert-Butylbenzene  
Concen: 10.350 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

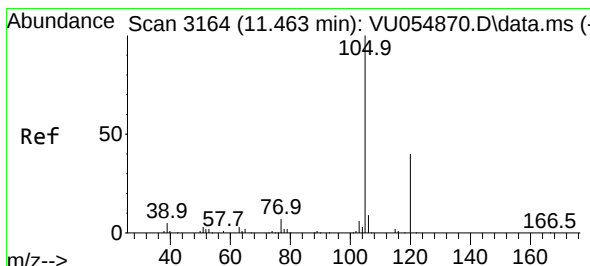
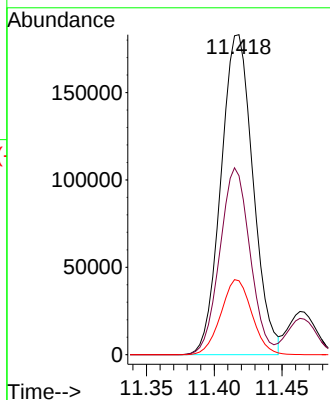
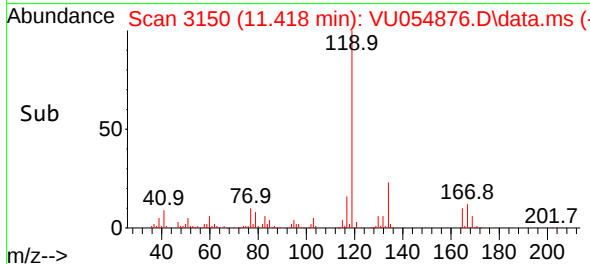
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



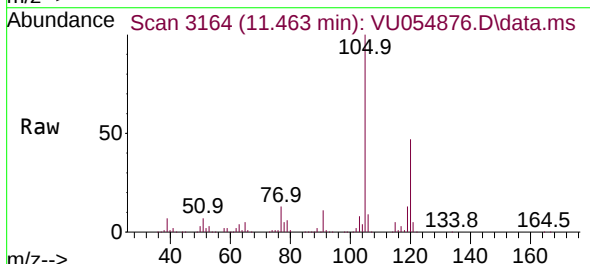
Tgt Ion:119 Resp: 30185  
Ion Ratio Lower Upper  
119 100  
91 54.9 27.7 83.1  
134 22.6 18.6 27.8

Manual Integrations  
APPROVED

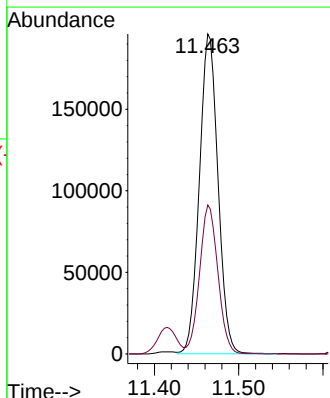
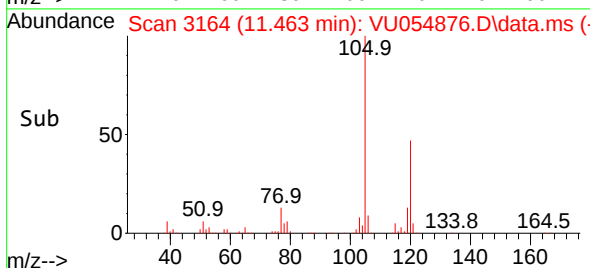
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

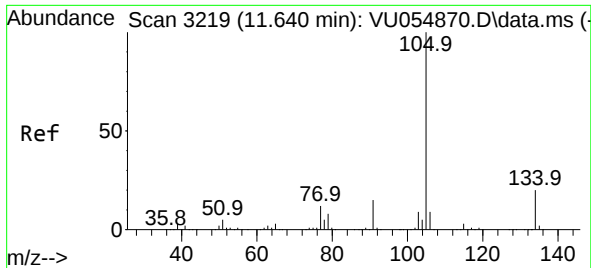


#78  
1,2,4-Trimethylbenzene  
Concen: 10.502 ug/l  
RT: 11.463 min Scan# 3164  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



Tgt Ion:105 Resp: 301505  
Ion Ratio Lower Upper  
105 100  
120 46.1 22.4 67.3





#79  
 sec-Butylbenzene  
 Concen: 10.654 ug/l  
 RT: 11.640 min Scan# 3219  
 Delta R.T. -0.000 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

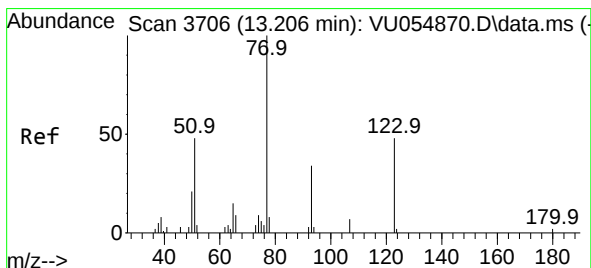
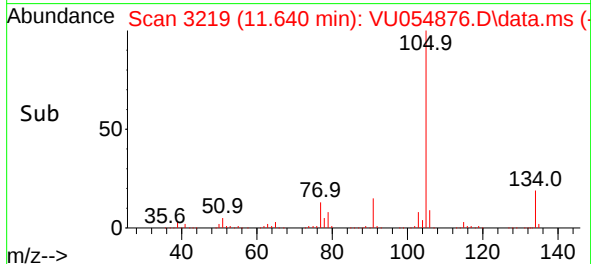
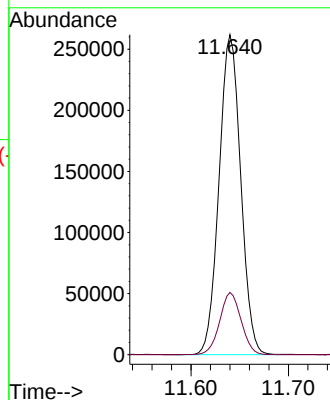
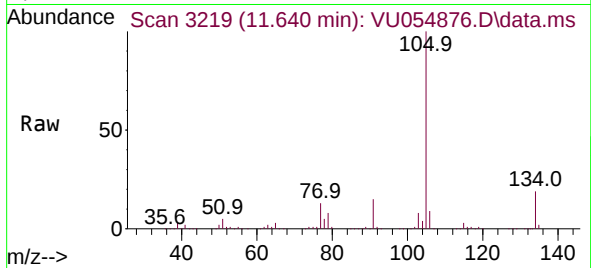
VSTDCCC010

Tgt Ion:105 Resp: 403920  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 15.7 23.5

Manual Integrations

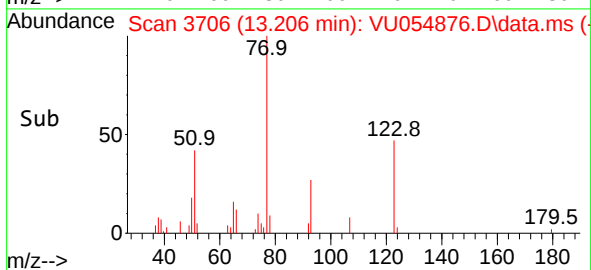
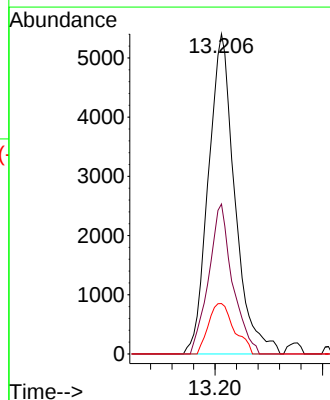
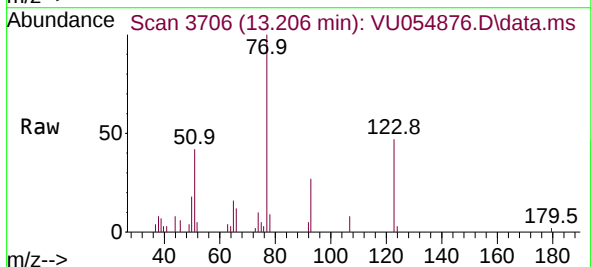
APPROVED

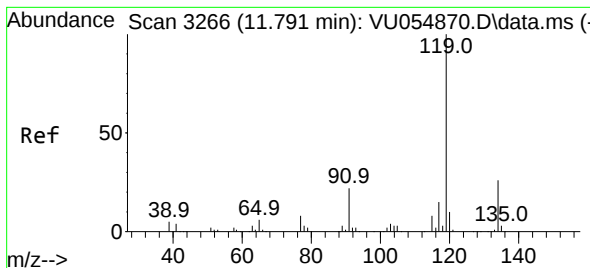
Reviewed By :Semsettin Yesilyurt 07/31/2023  
 Supervised By :Mahesh Dadoda 07/31/2023



#80  
 Nitrobenzene  
 Concen: 52.114 ug/l  
 RT: 13.206 min Scan# 3706  
 Delta R.T. -0.000 min  
 Lab File: VU054876.D  
 Acq: 26 Jul 2023 14:24

Tgt Ion: 77 Resp: 9231  
 Ion Ratio Lower Upper  
 77 100  
 123 42.2 20.2 71.8  
 65 15.3 11.7 14.9#





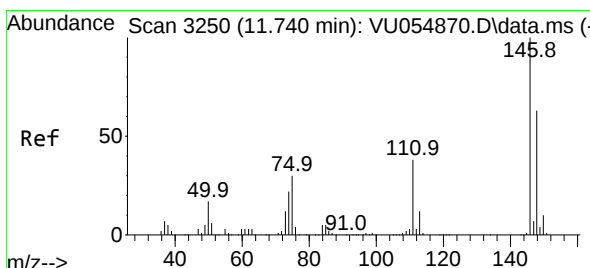
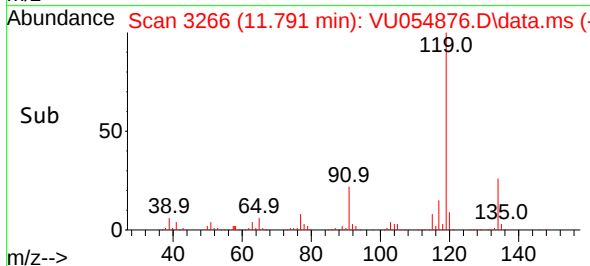
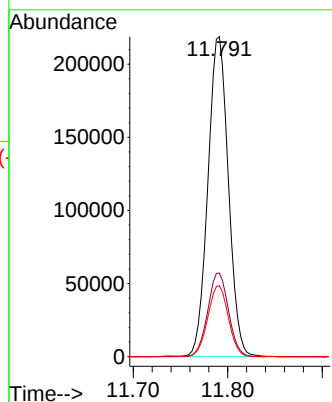
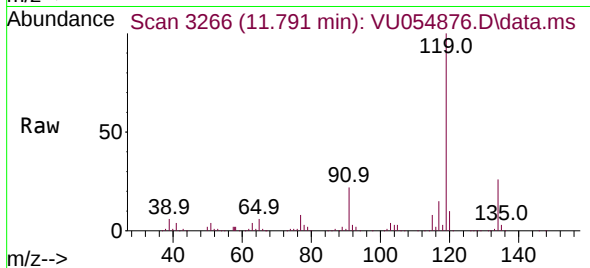
#81  
p-Isopropyltoluene  
Concen: 10.994 ug/l  
RT: 11.791 min Scan# 3266  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010

Tgt Ion:119 Resp: 328940  
Ion Ratio Lower Upper  
119 100  
134 26.5 20.6 31.0  
91 22.4 18.2 27.4

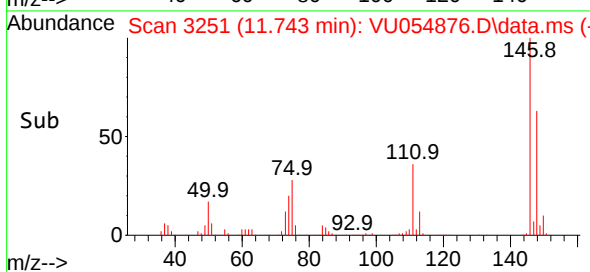
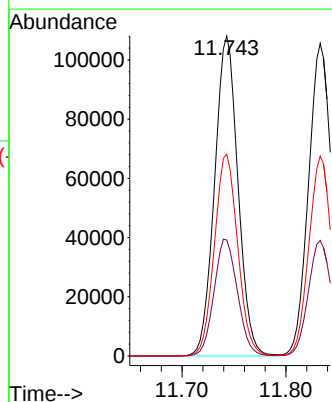
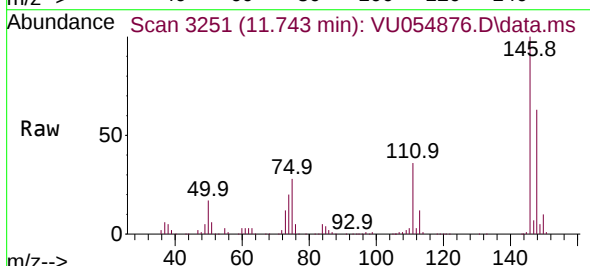
Manual Integrations  
APPROVED

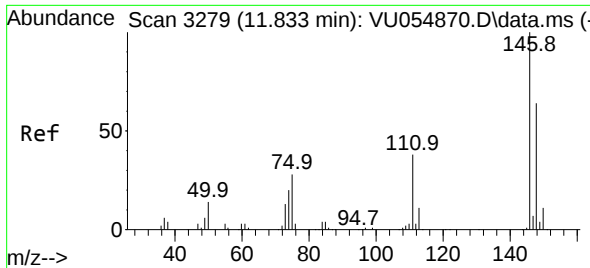
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#82  
1,3-Dichlorobenzene  
Concen: 10.294 ug/l  
RT: 11.743 min Scan# 3251  
Delta R.T. 0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

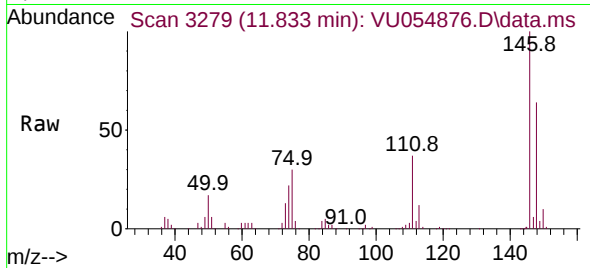
Tgt Ion:146 Resp: 168962  
Ion Ratio Lower Upper  
146 100  
111 36.6 30.5 45.7  
148 62.9 51.0 76.6





#83  
1,4-Dichlorobenzene  
Concen: 10.229 ug/l  
RT: 11.833 min Scan# 3279  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

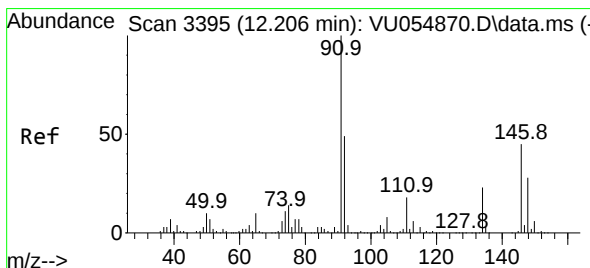
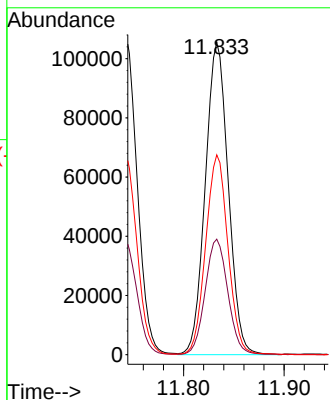
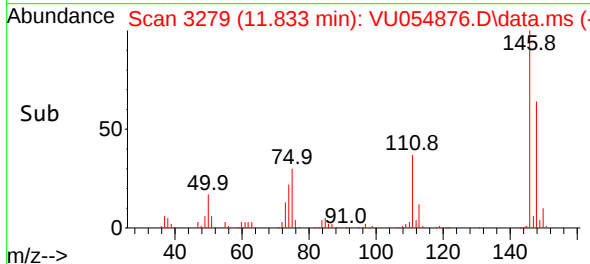
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



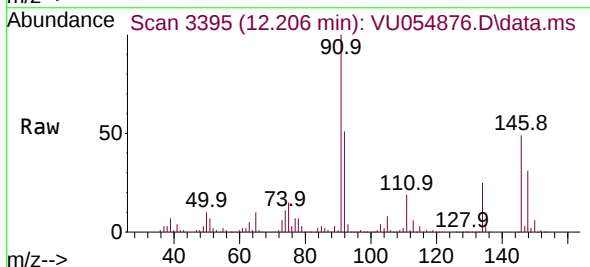
Tgt Ion:146 Resp: 16736  
Ion Ratio Lower Upper  
146 100  
111 36.7 29.5 44.3  
148 62.0 51.2 76.8

Manual Integrations  
APPROVED

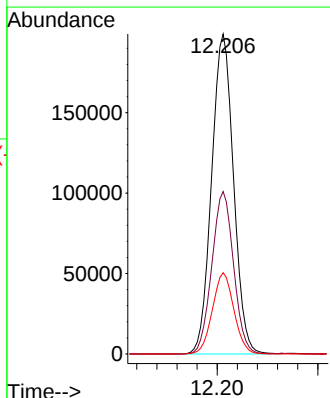
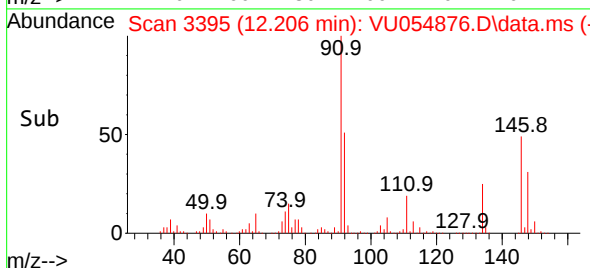
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

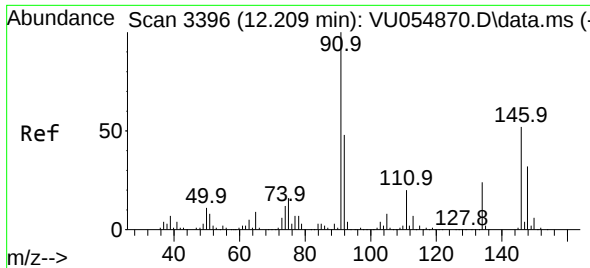


#84  
n-Butylbenzene  
Concen: 11.185 ug/l  
RT: 12.206 min Scan# 3395  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



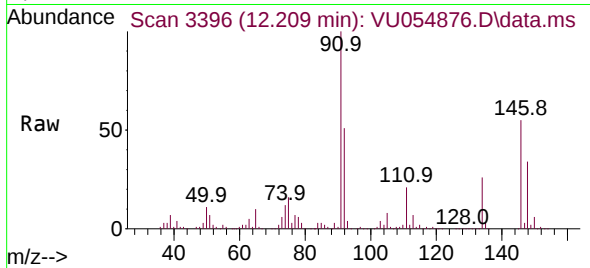
Tgt Ion: 91 Resp: 300594  
Ion Ratio Lower Upper  
91 100  
92 50.6 39.8 59.8  
134 24.9 20.2 30.4





#85  
1,2-Dichlorobenzene  
Concen: 10.067 ug/l  
RT: 12.209 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

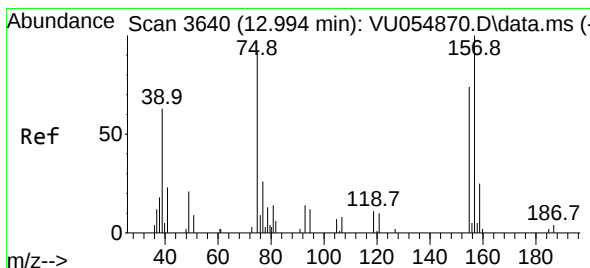
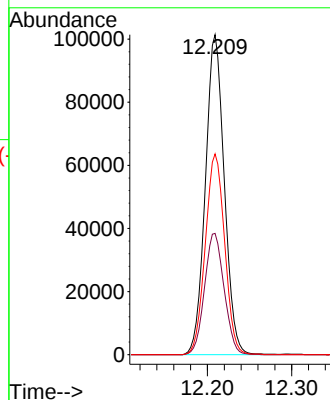
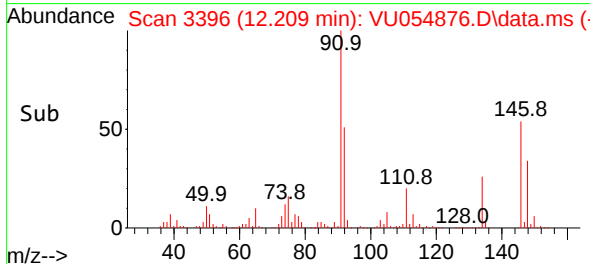
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



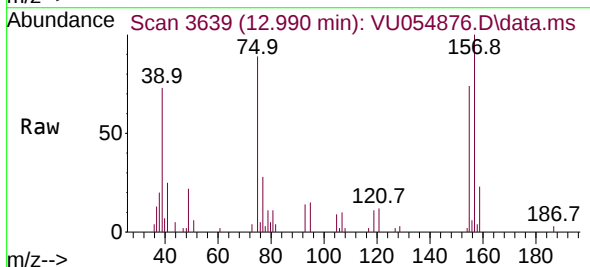
Tgt Ion:146 Resp: 158390  
Ion Ratio Lower Upper  
146 100  
111 39.2 19.8 59.4  
148 64.3 31.8 95.3

Manual Integrations  
APPROVED

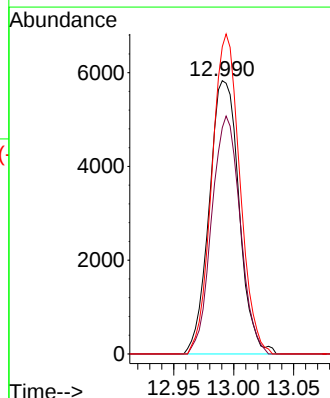
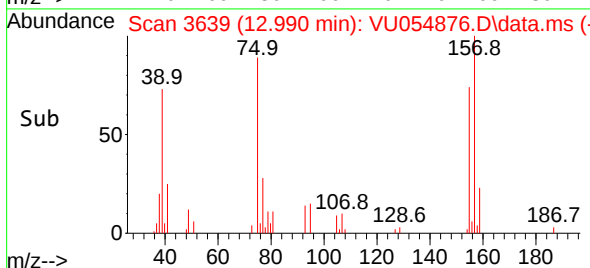
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

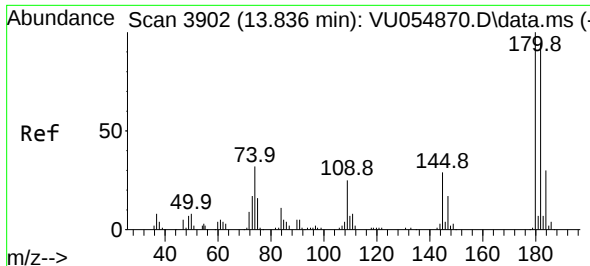


#86  
1,2-Dibromo-3-Chloropropane  
Concen: 11.217 ug/l  
RT: 12.990 min Scan# 3639  
Delta R.T. -0.003 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



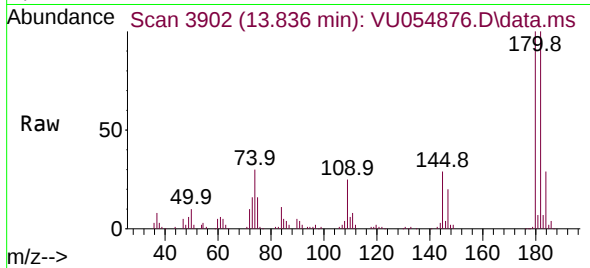
Tgt Ion: 75 Resp: 10054  
Ion Ratio Lower Upper  
75 100  
155 83.0 74.8 112.2  
157 110.0 97.4 146.0





#87  
1,2,4-Trichlorobenzene  
Concen: 10.130 ug/l  
RT: 13.836 min Scan# 3902  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24

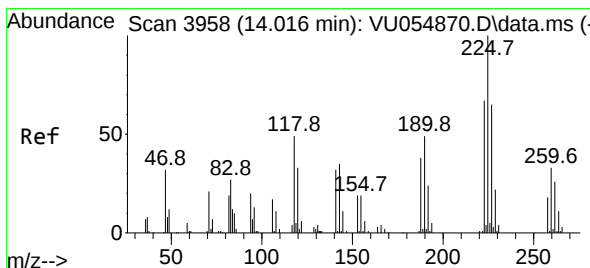
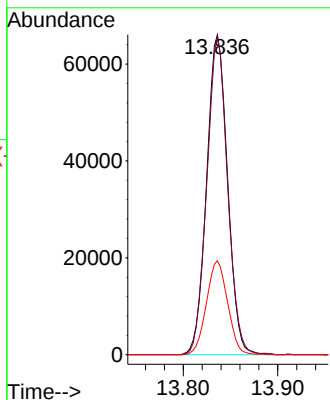
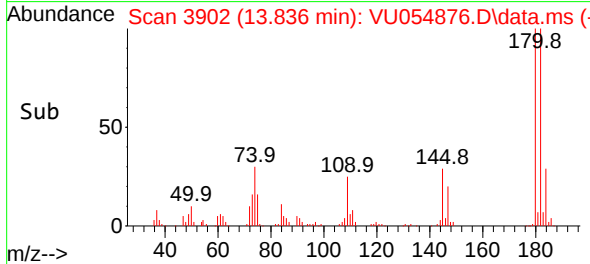
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010



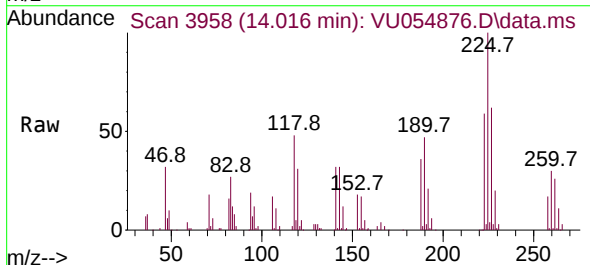
Tgt Ion:180 Resp: 101660  
Ion Ratio Lower Upper  
180 100  
182 98.5 77.0 115.6  
145 29.7 23.4 35.0

Manual Integrations  
APPROVED

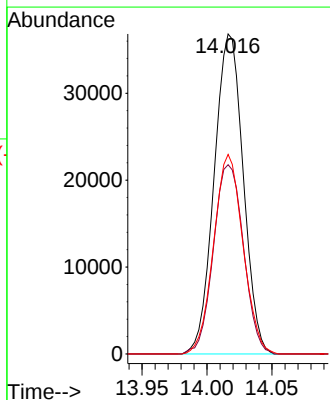
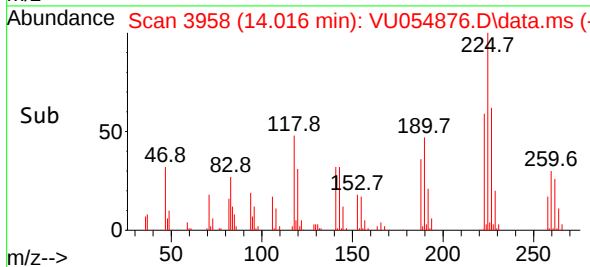
Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023

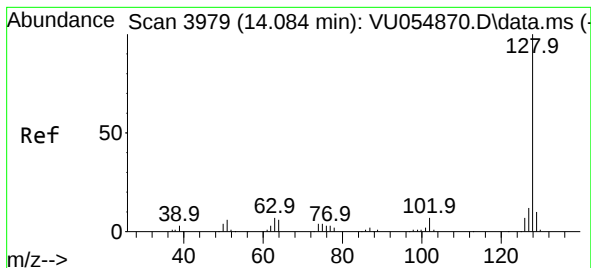


#88  
Hexachlorobutadiene  
Concen: 10.695 ug/l  
RT: 14.016 min Scan# 3958  
Delta R.T. -0.000 min  
Lab File: VU054876.D  
Acq: 26 Jul 2023 14:24



Tgt Ion:225 Resp: 57240  
Ion Ratio Lower Upper  
225 100  
223 61.1 50.6 76.0  
227 62.9 50.7 76.1





#89

Naphthalene

Concen: 10.661 ug/l

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU054876.D

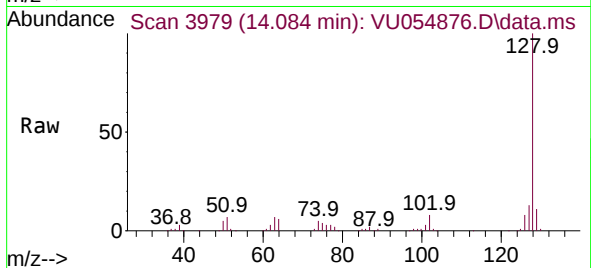
Acq: 26 Jul 2023 14:24

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010



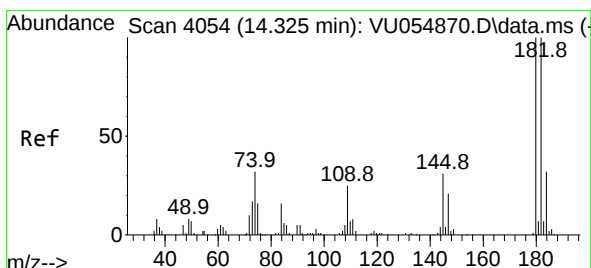
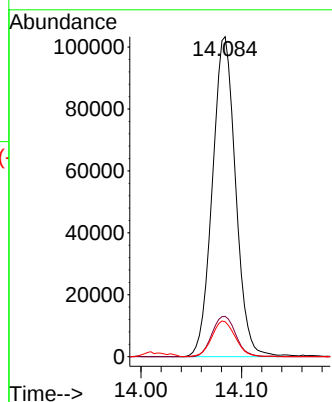
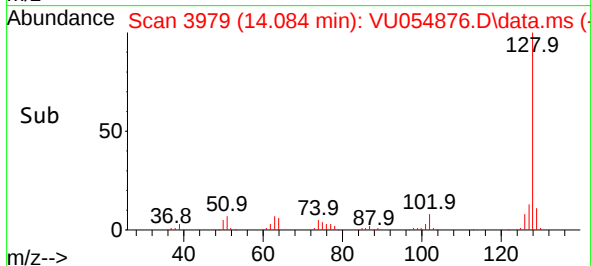
Tgt Ion:128 Resp: 165680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.9  | 10.6  | 15.8  |
| 129 | 11.3  | 8.7   | 13.1  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023  
Supervised By :Mahesh Dadoda 07/31/2023



#90

1,2,3-Trichlorobenzene

Concen: 10.122 ug/l

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054876.D

Acq: 26 Jul 2023 14:24

Tgt Ion:180 Resp: 90121

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.4  | 76.0  | 114.0 |
| 145 | 30.3  | 24.3  | 36.5  |

