

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101724\  
 Data File : VU061141.D  
 Acq On : 17 Oct 2024 11:48  
 Operator : MD/SY  
 Sample : VSTDICC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
 Supervised By :Mahesh Dadoda 10/21/2024

Quant Time: Oct 18 02:33:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:32:42 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.110  | 96   | 29021    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 14471    | 0.938  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 94.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 14367    | 0.946  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 95.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 14683    | 0.919  | ug/l    | 99       |
| 3) Chloromethane             | 1.518  | 50   | 14467    | 0.951  | ug/l    | 100      |
| 4) Vinyl Chloride            | 1.599  | 62   | 14253    | 0.913  | ug/l    | 100      |
| 5) Bromomethane              | 1.849  | 94   | 10460    | 1.066  | ug/l    | 98       |
| 6) Chloroethane              | 1.927  | 64   | 9046     | 0.864  | ug/l    | 98       |
| 7) Trichlorofluoromethane    | 2.132  | 101  | 19715    | 0.887  | ug/l    | 96       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 10025    | 0.908  | ug/l    | 98       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 10298    | 0.894  | ug/l    | 97       |
| 10) Iodomethane              | 2.714  | 142  | 10241    | 1.357  | ug/l    | 99       |
| 11) Allyl Chloride           | 2.917  | 41   | 13381    | 0.902  | ug/l    | 98       |
| 12) Acrylonitrile            | 3.329  | 53   | 4209m    | 1.817  | ug/l    |          |
| 13) Acetone                  | 2.628  | 43   | 14261m   | 4.722  | ug/l    |          |
| 14) Carbon Disulfide         | 2.788  | 76   | 35768    | 0.902  | ug/l    | 98       |
| 15) Methylene Chloride       | 3.039  | 84   | 14135    | 0.949  | ug/l    | 96       |
| 16) trans-1,2-Dichloroethene | 3.348  | 96   | 12471    | 0.924  | ug/l    | 97       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 22440    | 0.937  | ug/l    | 98       |
| 18) 2-Butanone               | 4.721  | 43   | 17721m   | 4.930  | ug/l    |          |
| 19) Cyclohexane              | 5.377  | 56   | 19806m   | 0.924  | ug/l    |          |
| 20) Methylcyclohexane        | 6.753  | 83   | 21493    | 0.899  | ug/l    | 99       |
| 21) 2,2-Dichloropropane      | 4.653  | 77   | 19853    | 0.899  | ug/l    | 96       |
| 22) cis-1,2-Dichloroethene   | 4.663  | 96   | 13832    | 0.940  | ug/l    | 97       |
| 23) Diethyl Ether            | 2.374  | 59   | 8286     | 0.926  | ug/l    | 94       |
| 24) tert-Butyl Alcohol       | 3.190  | 59   | 10107    | 10.850 | ug/l    | # 90     |
| 25) Methyl tert-Butyl Ether  | 3.357  | 73   | 28409    | 0.921  | ug/l    | 97       |
| 26) Bromochloromethane       | 4.972  | 128  | 5458     | 0.887  | ug/l    | 99       |
| 27) Chloroform               | 5.081  | 83   | 23168    | 0.923  | ug/l    | 98       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 20477    | 0.925  | ug/l    | 97       |
| 29) 1,1-Dichloropropene      | 5.521  | 75   | 18225    | 0.931  | ug/l    | 96       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 17062    | 0.888  | ug/l    | 99       |
| 31) Isopropyl Ether          | 3.981  | 45   | 30901    | 0.905  | ug/l    | 100      |
| 32) Ethyl-t-butyl ether      | 4.492  | 59   | 31028    | 0.883  | ug/l    | 99       |
| 33) Tert-Amyl methyl ether   | 5.930  | 73   | 28109    | 0.889  | ug/l    | 99       |
| 34) Propionitrile            | 4.798  | 54   | 3742m    | 4.207  | ug/l    |          |
| 35) Benzene                  | 5.766  | 78   | 49717    | 0.903  | ug/l    | 97       |
| 36) 1,2-Dichloroethane       | 5.791  | 62   | 14381    | 0.925  | ug/l    | 97       |
| 37) Trichloroethene          | 6.537  | 130  | 13379    | 0.910  | ug/l    | 93       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 12525    | 0.898  | ug/l    | 100      |
| 39) Methacrylonitrile        | 4.991  | 41   | 2446     | 0.770  | ug/l    | # 90     |
| 40) Methyl acrylate          | 4.878  | 55   | 5443m    | 0.852  | ug/l    |          |
| 41) Tetrahydrofuran          | 5.065  | 42   | 3815m    | 2.020  | ug/l    |          |
| 42) 1-Chlorobutane           | 5.454  | 56   | 23035    | 0.918  | ug/l    | 97       |
| 43) Dibromomethane           | 6.914  | 93   | 6735     | 0.931  | ug/l    | 97       |
| 44) Bromodichloromethane     | 7.097  | 83   | 16044    | 0.912  | ug/l    | 100      |

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 Acq On : 17 Oct 2024 11:48  
 Operator : MD/SY  
 Sample : VSTDIC001  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

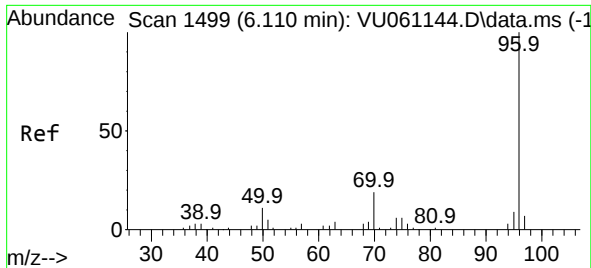
Reviewed By :Semsettin Yesilyurt 10/21/2024  
 Supervised By :Mahesh Dadoda 10/21/2024

Quant Time: Oct 18 02:33:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:32:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.785  | 43   | 31871    | 4.388 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.827 | 75   | 5635m    | 1.875 | ug/l   |          |
| 47) Methyl methacrylate       | 6.959  | 69   | 10238    | 1.628 | ug/l   | 92       |
| 48) Ethyl methacrylate        | 8.332  | 69   | 11478    | 0.856 | ug/l   | 97       |
| 49) Toluene                   | 7.965  | 92   | 30509    | 0.877 | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.209  | 75   | 14467    | 0.853 | ug/l   | 97       |
| 51) cis-1,3-Dichloropropene   | 7.605  | 75   | 18561    | 0.892 | ug/l   | 98       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 8907     | 0.913 | ug/l   | 97       |
| 53) 1,3-Dichloropropane       | 8.569  | 76   | 15587    | 0.910 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.682  | 43   | 26514    | 4.444 | ug/l   | 97       |
| 55) Dibromochloromethane      | 8.801  | 129  | 9919     | 0.861 | ug/l   | 100      |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 8717     | 0.931 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.547  | 164  | 11467    | 0.920 | ug/l   | 94       |
| 59) Chlorobenzene             | 9.441  | 112  | 32757    | 0.874 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 11607    | 0.918 | ug/l   | 96       |
| 61) Pentachloroethane         | 11.418 | 117  | 8252     | 0.853 | ug/l   | 95       |
| 62) Hexachloroethane          | 12.466 | 117  | 8342     | 0.837 | ug/l   | 96       |
| 63) Ethyl Benzene             | 9.563  | 91   | 59269    | 0.883 | ug/l   | 98       |
| 64) m/p-Xylenes               | 9.688  | 106  | 44390    | 1.737 | ug/l   | 100      |
| 65) o-Xylene                  | 10.094 | 106  | 22054    | 0.876 | ug/l   | 99       |
| 66) Styrene                   | 10.110 | 104  | 33224    | 0.849 | ug/l   | 100      |
| 67) Bromoform                 | 10.283 | 173  | 4944     | 0.820 | ug/l # | 95       |
| 69) Isopropylbenzene          | 10.476 | 105  | 51594    | 0.862 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 10603    | 0.895 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 9458m    | 0.972 | ug/l   |          |
| 72) Bromobenzene              | 10.778 | 156  | 12896    | 0.896 | ug/l   | 84       |
| 73) n-propylbenzene           | 10.901 | 120  | 14752    | 0.844 | ug/l   | 99       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 12787    | 0.846 | ug/l   | 91       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 46000    | 0.852 | ug/l   | 98       |
| 76) 4-Chlorotoluene           | 11.093 | 126  | 12812    | 0.834 | ug/l   | 95       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 45826    | 0.859 | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 46788    | 0.858 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 58213    | 0.837 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.222 | 77   | 527      | 5.405 | ug/l # | 94       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 48946    | 0.851 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 23248    | 0.841 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 23057    | 0.837 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.203 | 91   | 43414    | 0.813 | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 22610    | 0.875 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.000 | 75   | 1576     | 0.896 | ug/l   | 89       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 12433    | 0.842 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 7306     | 0.875 | ug/l   | 99       |
| 89) Naphthalene               | 14.087 | 128  | 21387    | 0.820 | ug/l   | 96       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 11832    | 0.892 | ug/l   | 95       |

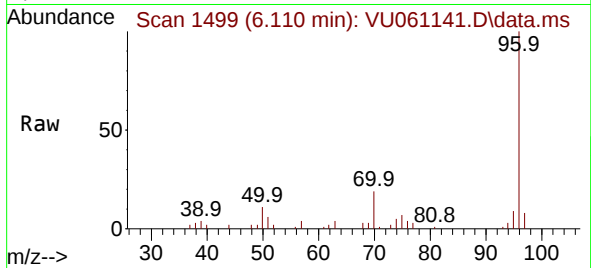
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

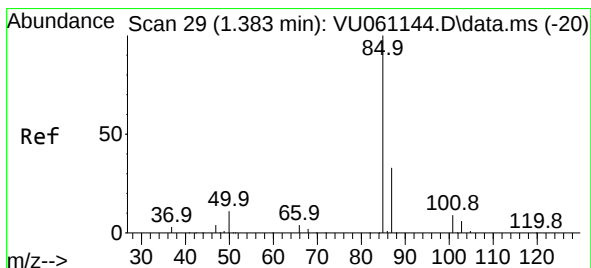
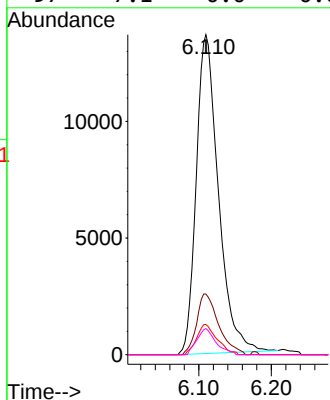
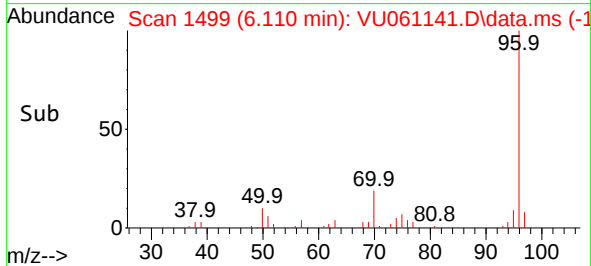
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



| Tgt Ion: | 96    | Resp: | 2902  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 18.8  | 16.1  | 24.1  |
| 95       | 8.8   | 0.0   | 0.0   |
| 97       | 7.1   | 0.0   | 0.0   |

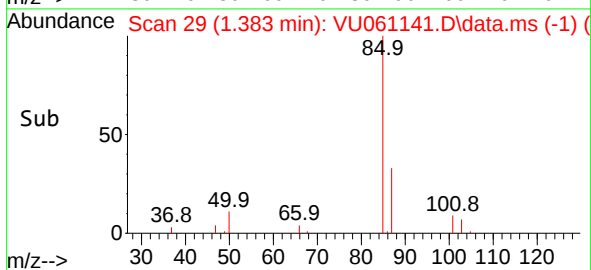
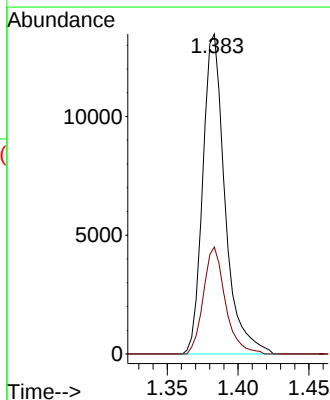
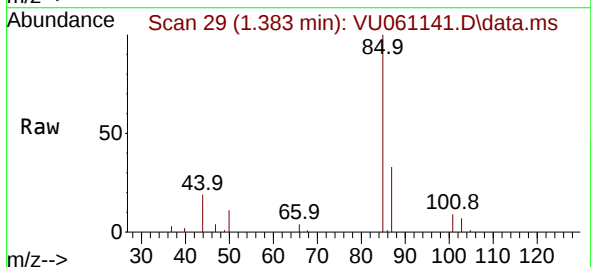
Manual Integrations  
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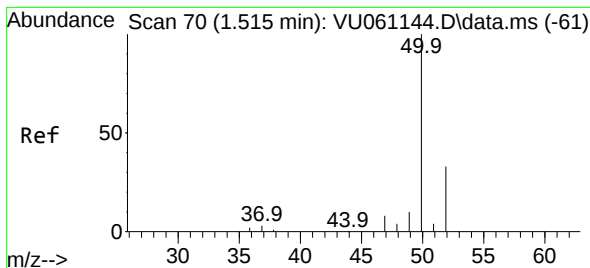
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#2  
Dichlorodifluoromethane  
Concen: 0.919 ug/l  
RT: 1.383 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

| Tgt Ion: | 85    | Resp: | 14683 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 33.4  | 16.3  | 48.9  |





#3

Chloromethane

Concen: 0.951 ug/l

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 50 Resp: 1446

Ion Ratio Lower Upper

50 100

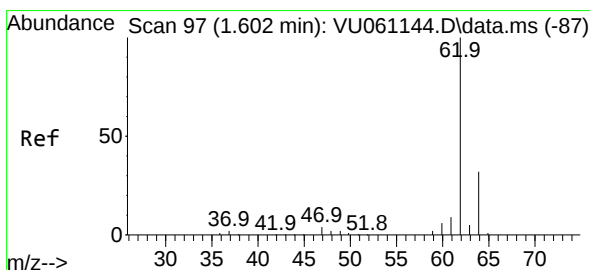
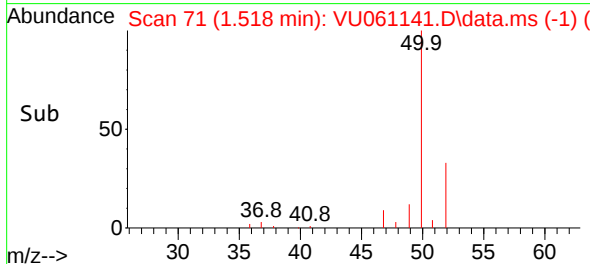
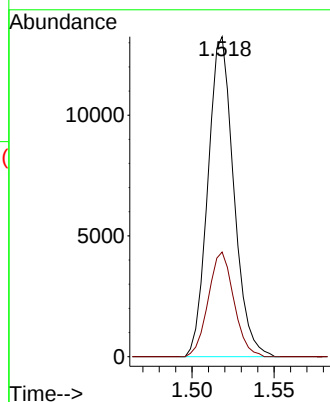
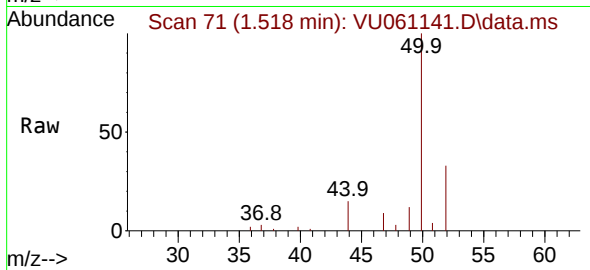
52 32.7 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024

Supervised By :Mahesh Dadoda 10/21/2024



#4

Vinyl Chloride

Concen: 0.913 ug/l

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU061141.D

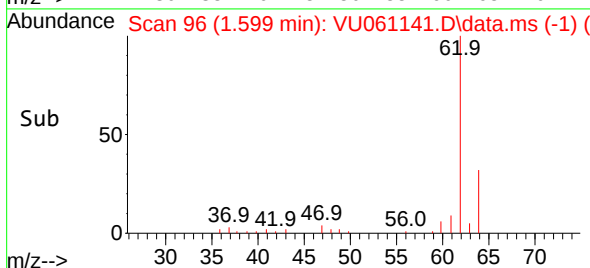
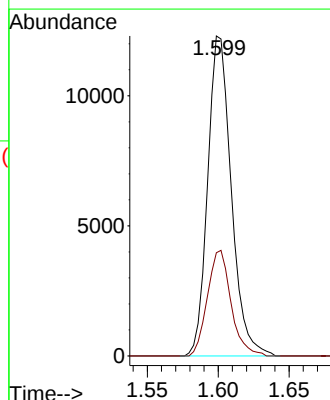
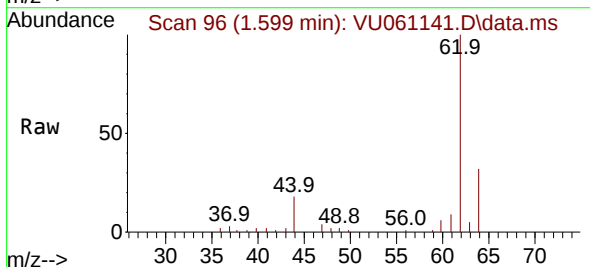
Acq: 17 Oct 2024 11:48

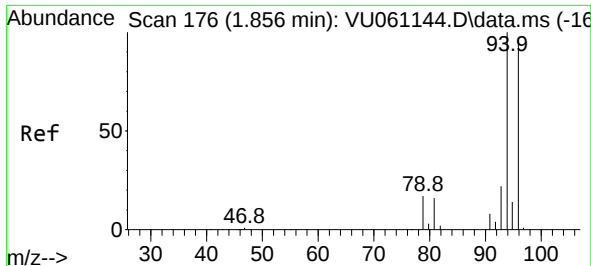
Tgt Ion: 62 Resp: 14253

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





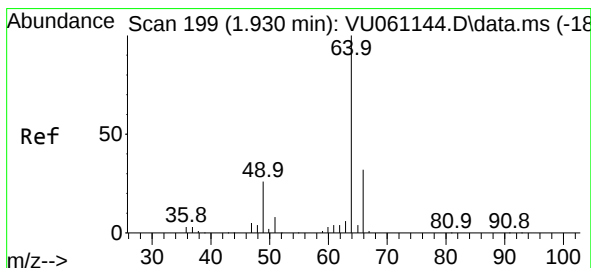
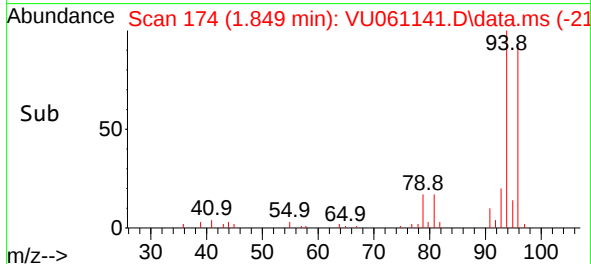
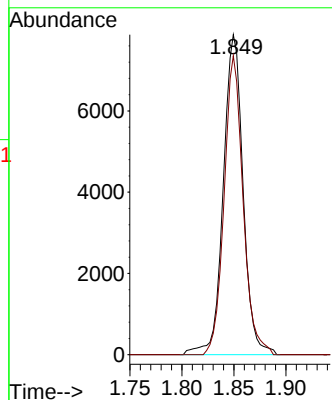
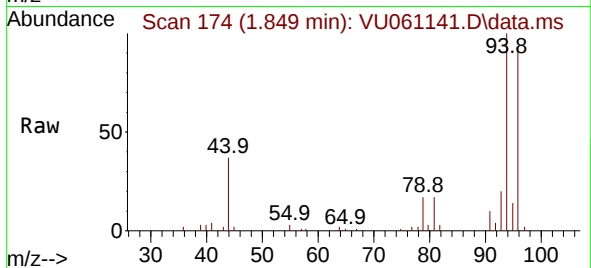
#5  
Bromomethane  
Concen: 1.066 ug/l  
RT: 1.849 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 94 Resp: 10460  
Ion Ratio Lower Upper  
94 100  
96 93.4 76.5 114.7

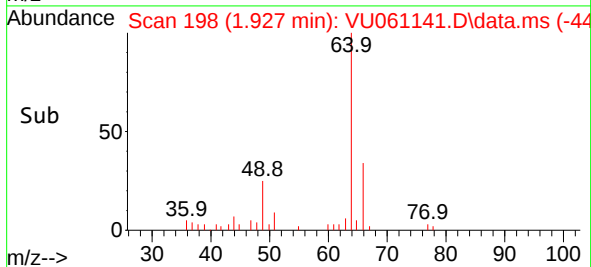
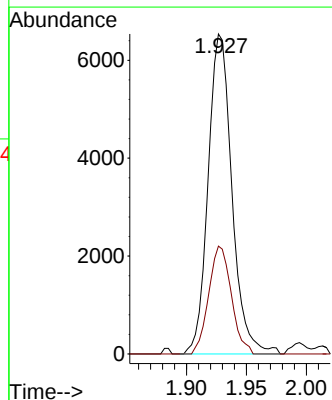
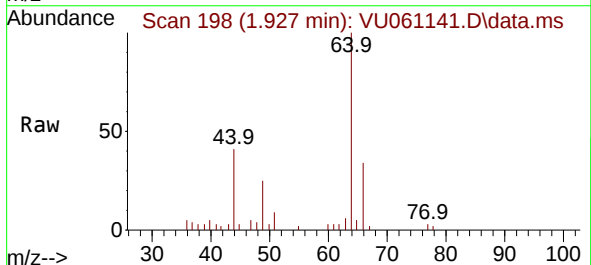
Manual Integrations  
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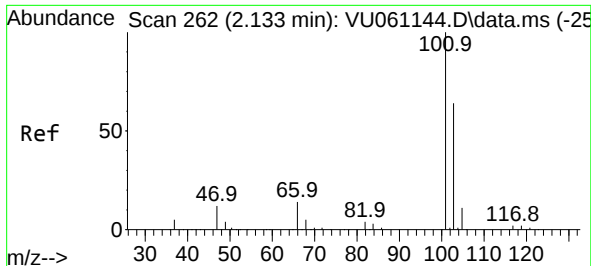
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#6  
Chloroethane  
Concen: 0.864 ug/l  
RT: 1.927 min Scan# 198  
Delta R.T. -0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

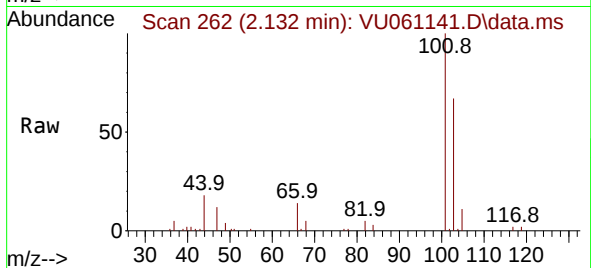
Tgt Ion: 64 Resp: 9046  
Ion Ratio Lower Upper  
64 100  
66 33.7 25.8 38.8





#7  
Trichlorofluoromethane  
Concen: 0.887 ug/l  
RT: 2.132 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

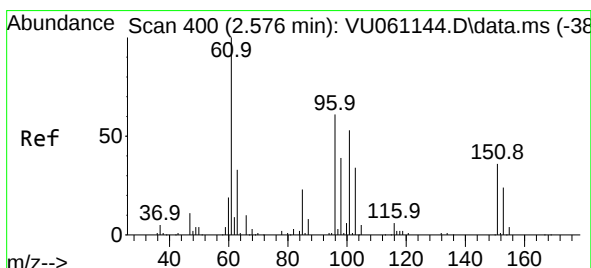
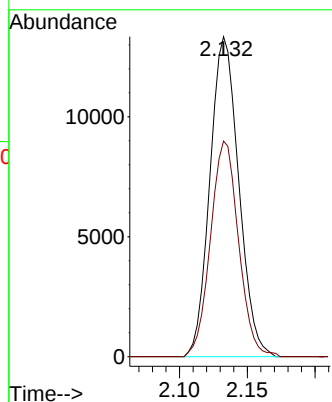
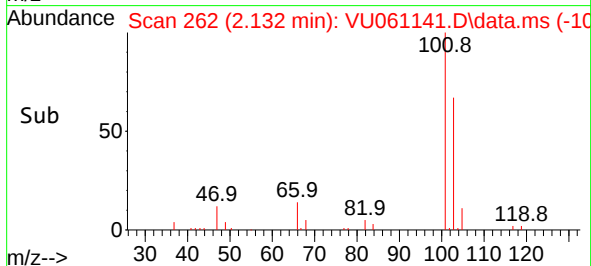
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



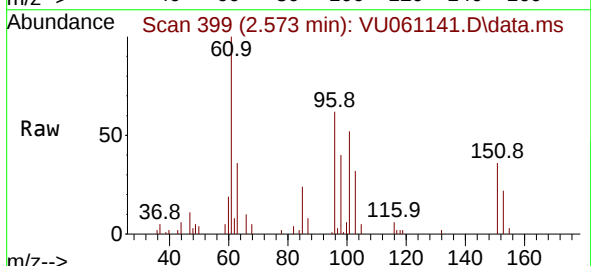
Tgt Ion:101 Resp: 19715  
Ion Ratio Lower Upper  
101 100  
103 67.4 51.5 77.3

Manual Integrations  
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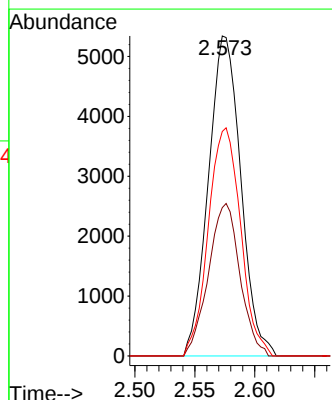
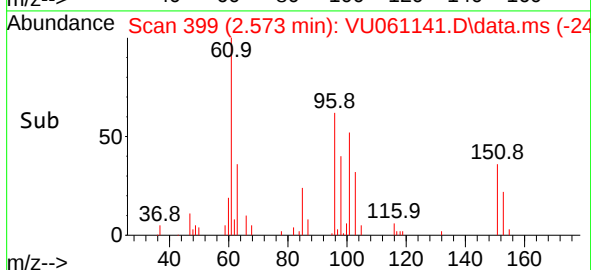
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

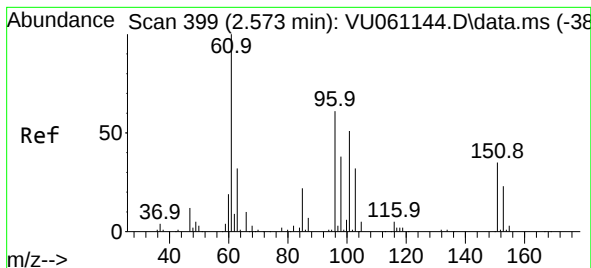


#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.908 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



Tgt Ion:101 Resp: 10025  
Ion Ratio Lower Upper  
101 100  
85 46.4 35.8 53.8  
151 71.1 56.2 84.4





#9

1,1-Dichloroethene

Concen: 0.894 ug/l

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

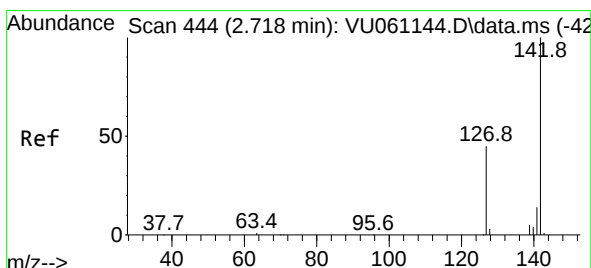
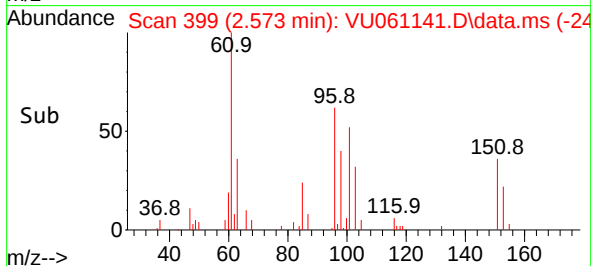
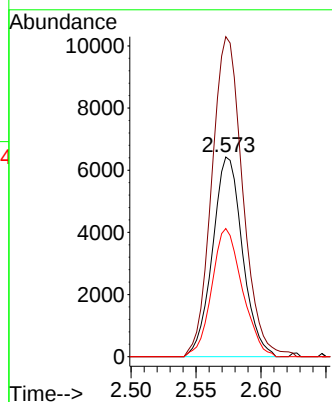
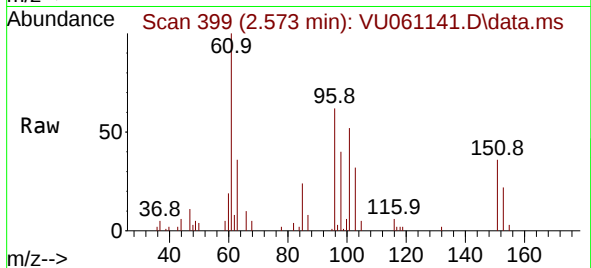
VSTDICC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 10298 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 160.2 | 0.0   | 494.4 |
| 98       | 64.2  | 0.0   | 124.4 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#10

Iodomethane

Concen: 1.357 ug/l

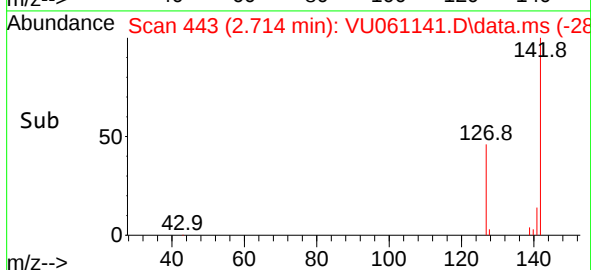
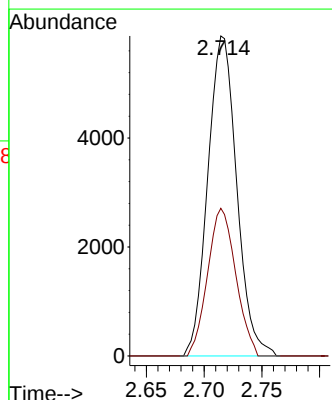
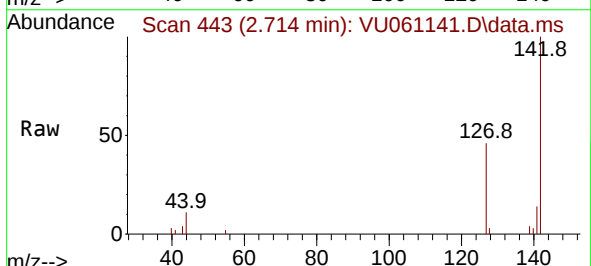
RT: 2.714 min Scan# 443

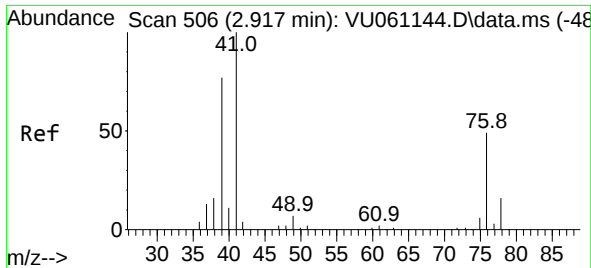
Delta R.T. -0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

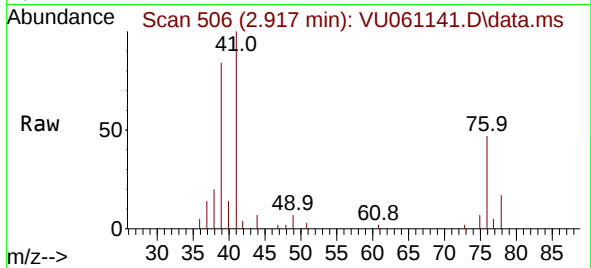
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 10241 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 44.8  | 36.2  | 54.4  |





#11  
 Allyl Chloride  
 Concen: 0.902 ug/l  
 RT: 2.917 min Scan# 506  
 Delta R.T. -0.000 min  
 Lab File: VU061141.D  
 Acq: 17 Oct 2024 11:48

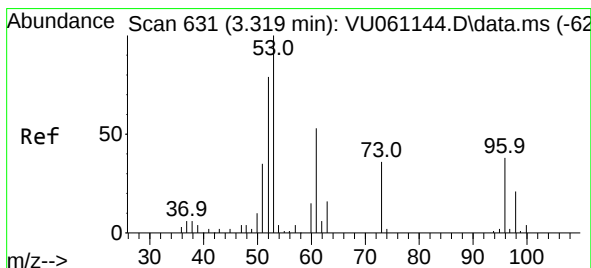
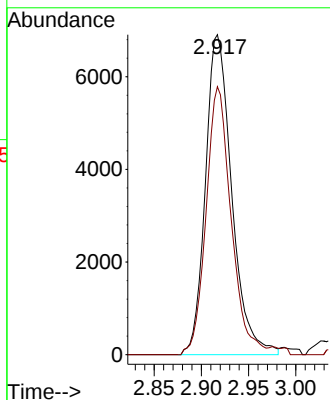
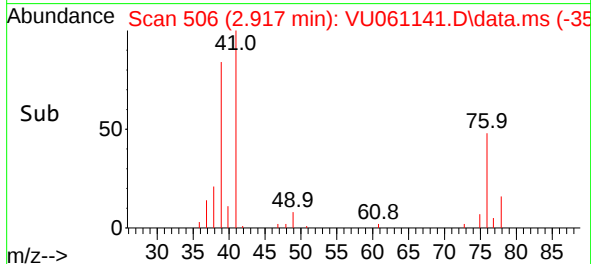
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC001



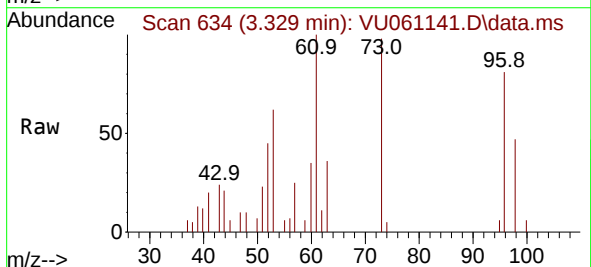
Tgt Ion: 41 Resp: 1338  
 Ion Ratio Lower Upper  
 41 100  
 39 79.6 62.4 93.6

Manual Integrations  
 APPROVED

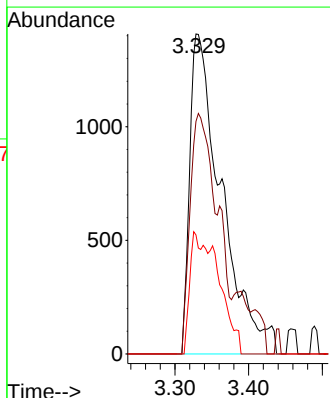
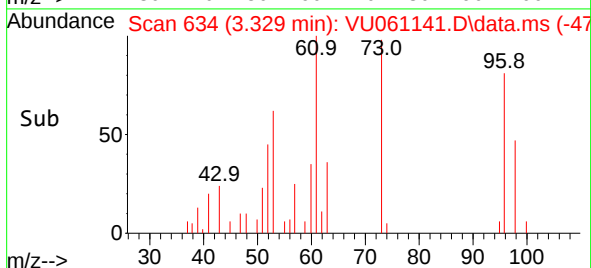
Reviewed By :Semsettin Yesilyurt 10/21/2024  
 Supervised By :Mahesh Dadoda 10/21/2024

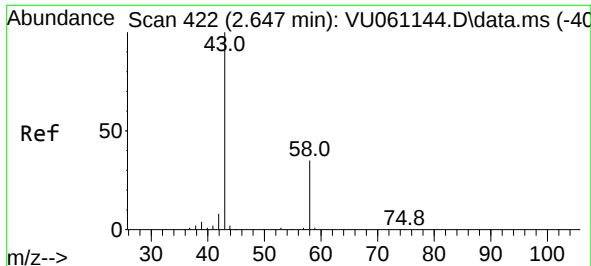


#12  
 Acrylonitrile  
 Concen: 1.817 ug/l m  
 RT: 3.329 min Scan# 634  
 Delta R.T. 0.009 min  
 Lab File: VU061141.D  
 Acq: 17 Oct 2024 11:48



Tgt Ion: 53 Resp: 4209  
 Ion Ratio Lower Upper  
 53 100  
 52 64.7 62.6 94.0  
 51 12.9 30.7 46.1#





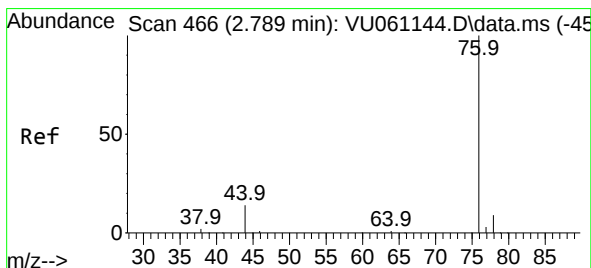
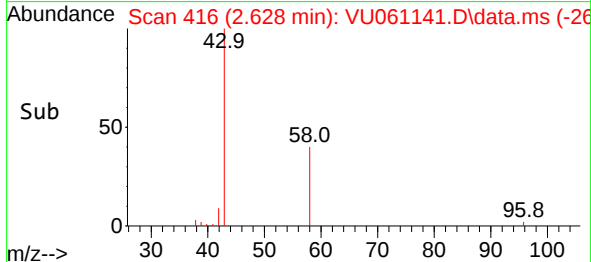
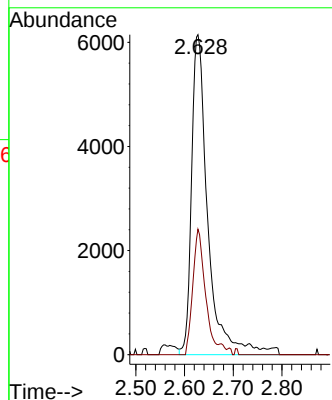
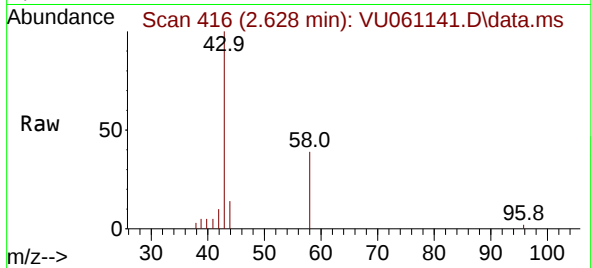
#13  
Acetone  
Concen: 4.722 ug/l m  
RT: 2.628 min Scan# 416  
Delta R.T. -0.019 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 43 Resp: 1426  
Ion Ratio Lower Upper  
43 100  
58 39.2 27.9 41.9

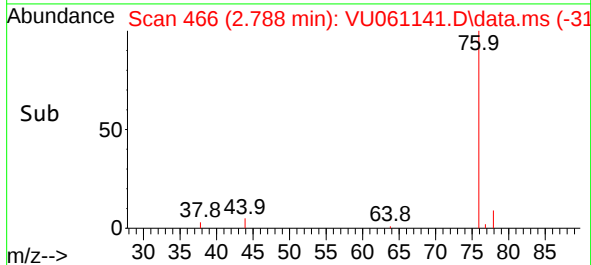
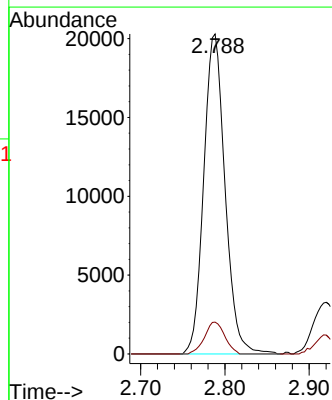
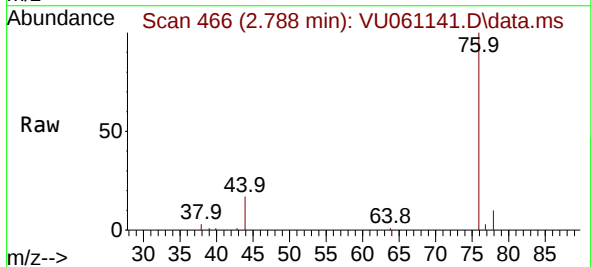
Manual Integrations  
APPROVED

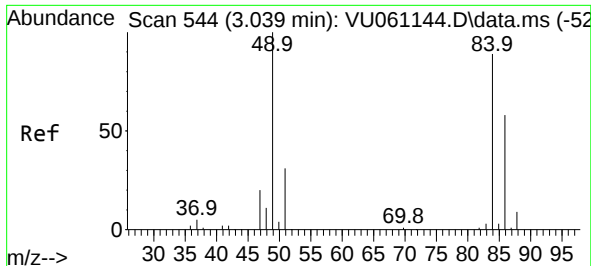
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#14  
Carbon Disulfide  
Concen: 0.902 ug/l  
RT: 2.788 min Scan# 466  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

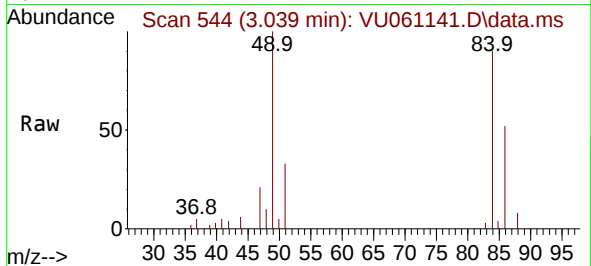
Tgt Ion: 76 Resp: 35768  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.4 11.0





#15  
Methylene Chloride  
Concen: 0.949 ug/l  
RT: 3.039 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

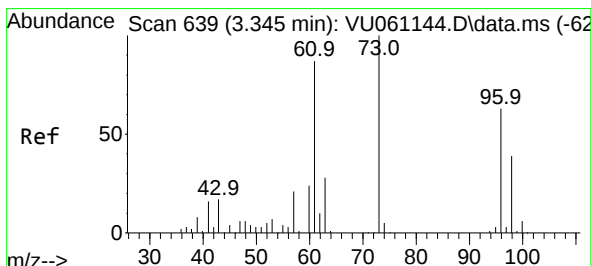
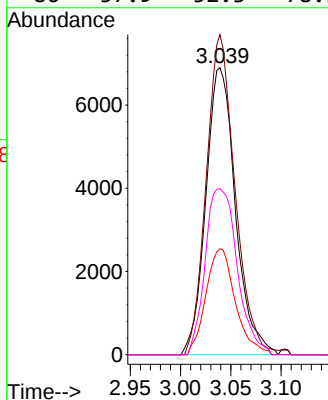
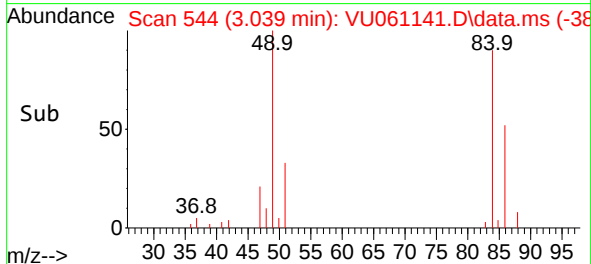
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



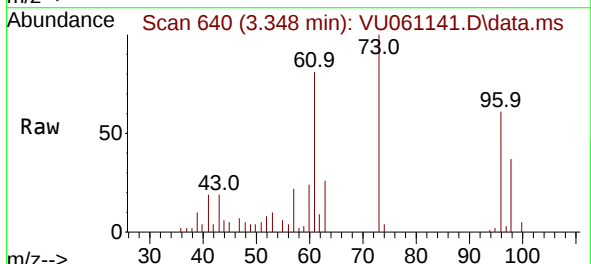
Tgt Ion: 84 Resp: 1413  
Ion Ratio Lower Upper  
84 100  
49 111.5 90.4 135.6  
51 36.9 0.0 70.6  
86 57.9 52.3 78.5

Manual Integrations  
APPROVED

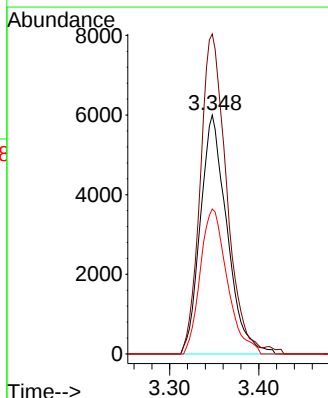
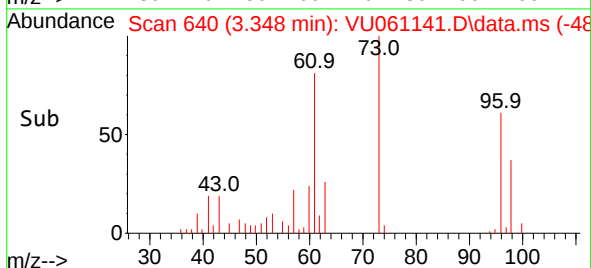
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

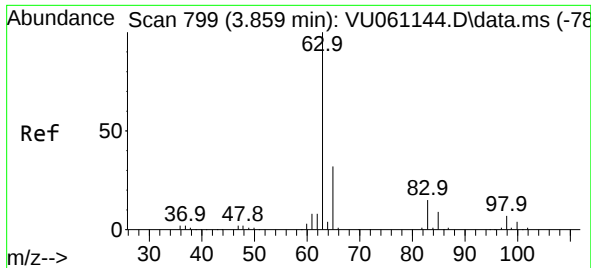


#16  
trans-1,2-Dichloroethene  
Concen: 0.924 ug/l  
RT: 3.348 min Scan# 640  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



Tgt Ion: 96 Resp: 12471  
Ion Ratio Lower Upper  
96 100  
61 134.0 110.6 166.0  
98 60.7 49.8 74.8





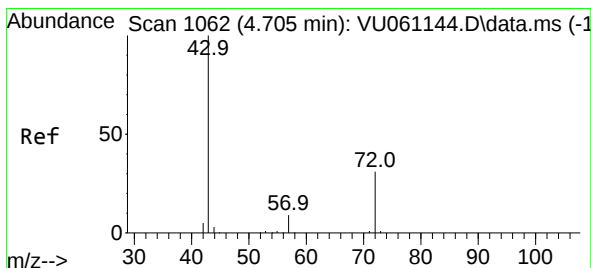
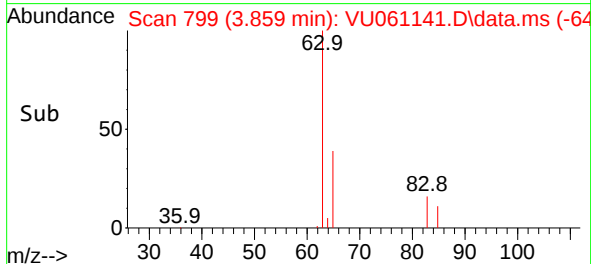
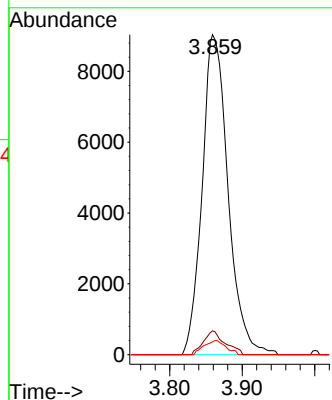
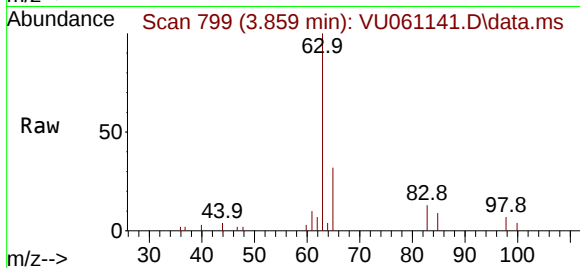
#17  
1,1-Dichloroethane  
Concen: 0.937 ug/l  
RT: 3.859 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 63 Resp: 22440  
Ion Ratio Lower Upper  
63 100  
98 7.4 3.3 9.8  
100 4.0 2.1 6.5

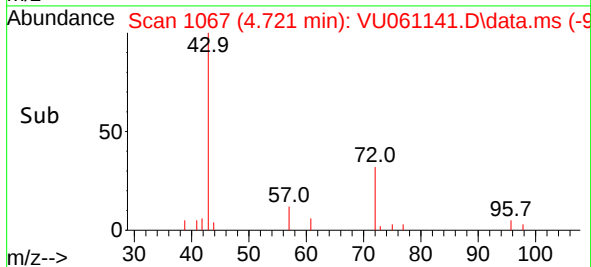
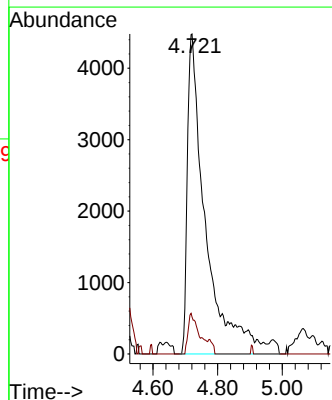
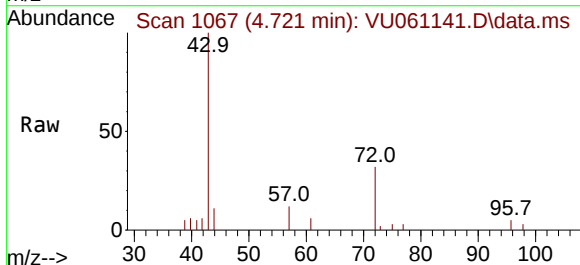
Manual Integrations  
APPROVED

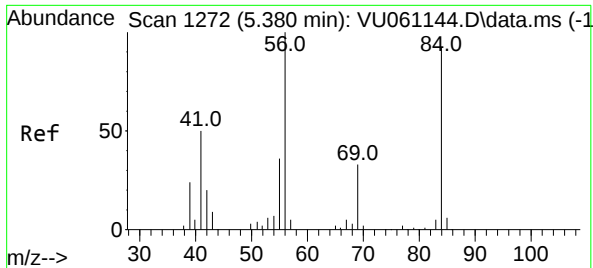
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#18  
2-Butanone  
Concen: 4.930 ug/l m  
RT: 4.721 min Scan# 1067  
Delta R.T. 0.016 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion: 43 Resp: 17721  
Ion Ratio Lower Upper  
43 100  
57 11.6 0.0 19.0





#19

Cyclohexane

Concen: 0.924 ug/l m

RT: 5.377 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

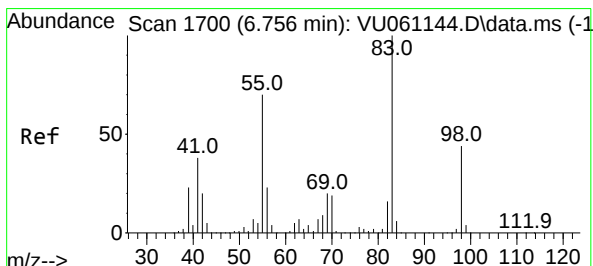
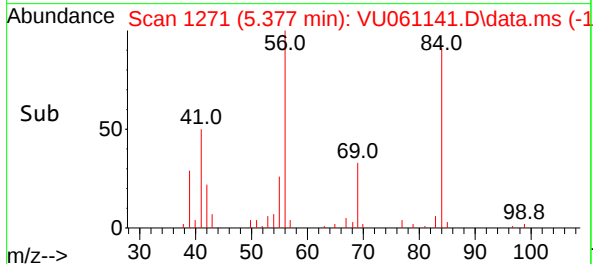
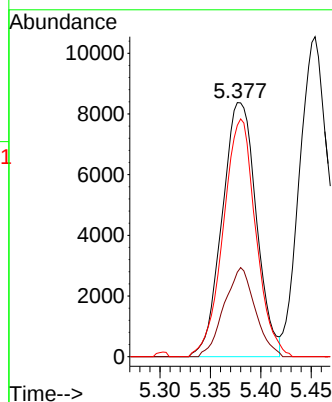
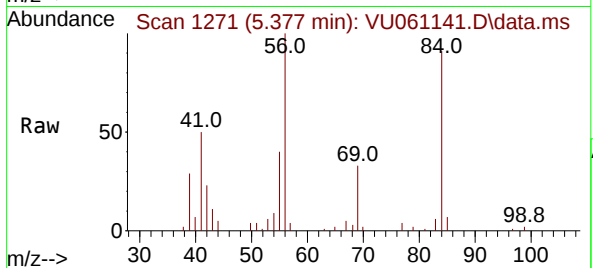
VSTDICC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 1980  |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 31.7  | 26.2  | 39.4  |
| 84        | 88.9  | 72.7  | 109.1 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#20

Methylcyclohexane

Concen: 0.899 ug/l

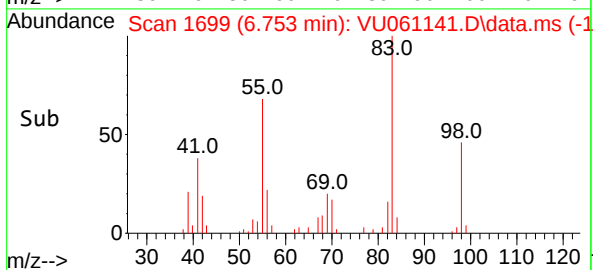
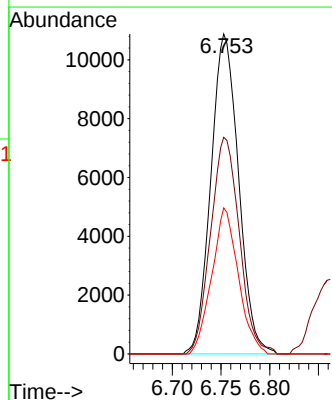
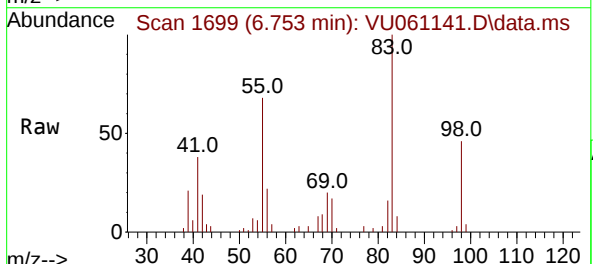
RT: 6.753 min Scan# 1699

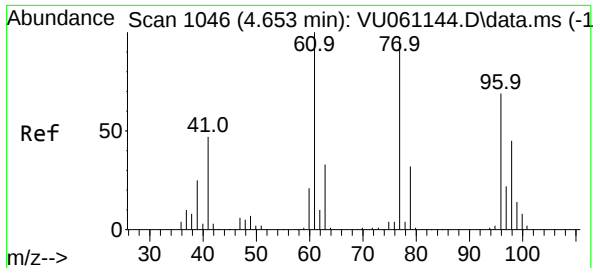
Delta R.T. -0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 21493 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 70.3  | 55.5  | 83.3  |
| 98        | 43.9  | 35.8  | 53.6  |





#21  
2,2-Dichloropropane  
Concen: 0.899 ug/l  
RT: 4.653 min Scan# 1046  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

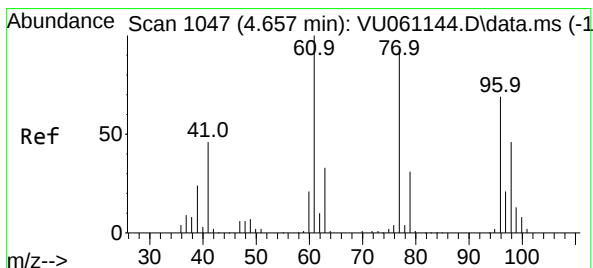
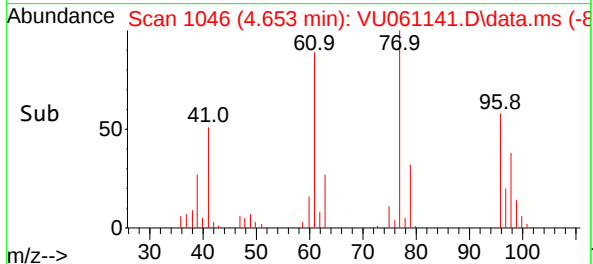
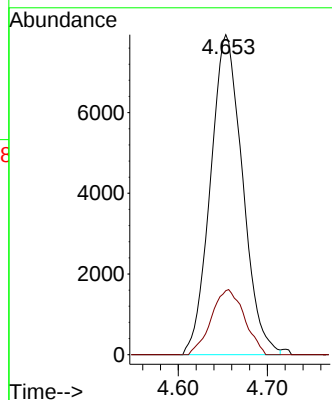
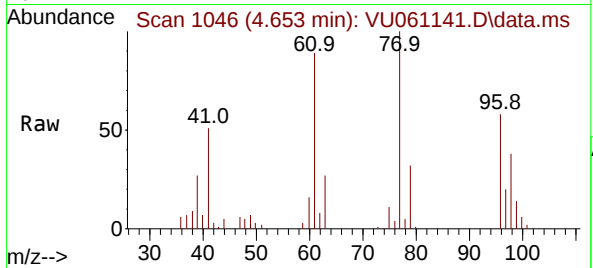
VSTDIC001

Tgt Ion: 77 Resp: 1985  
Ion Ratio Lower Upper  
77 100  
97 21.0 18.3 27.5

Manual Integrations

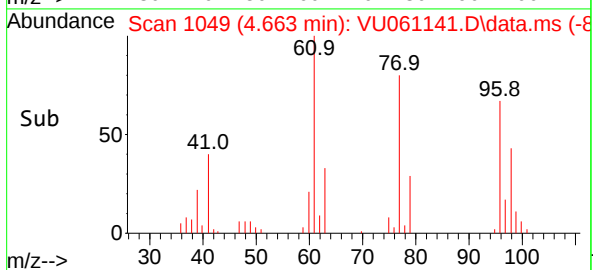
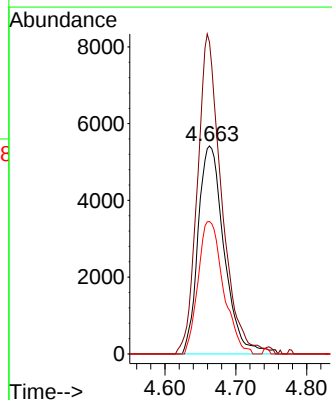
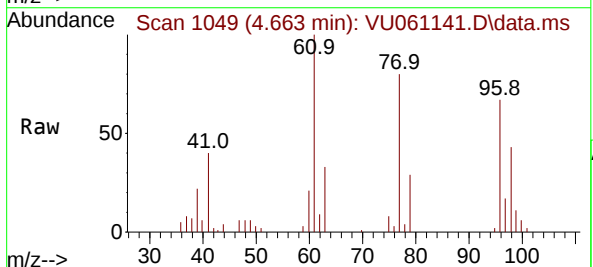
APPROVED

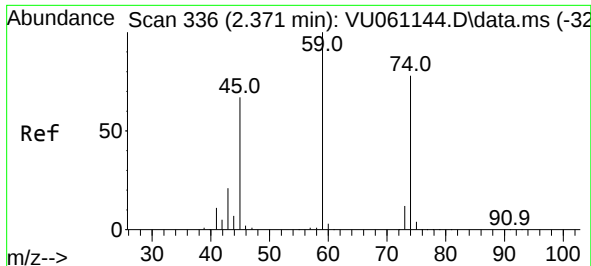
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#22  
cis-1,2-Dichloroethene  
Concen: 0.940 ug/l  
RT: 4.663 min Scan# 1049  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion: 96 Resp: 13832  
Ion Ratio Lower Upper  
96 100  
61 141.9 0.0 364.8  
98 61.6 32.1 96.3





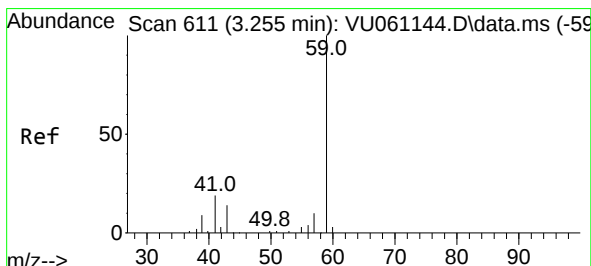
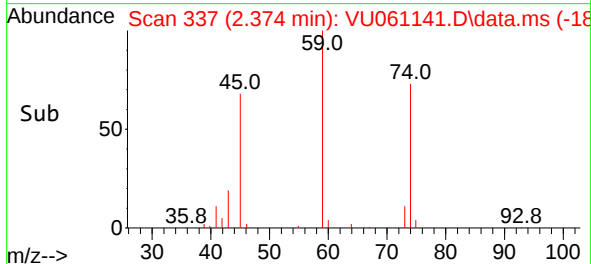
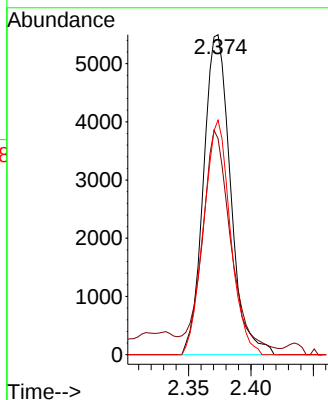
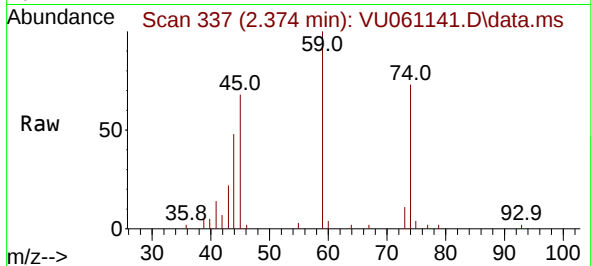
#23  
Diethyl Ether  
Concen: 0.926 ug/l  
RT: 2.374 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 59 Resp: 8280  
Ion Ratio Lower Upper  
59 100  
45 70.4 52.0 78.0  
74 72.7 62.2 93.2

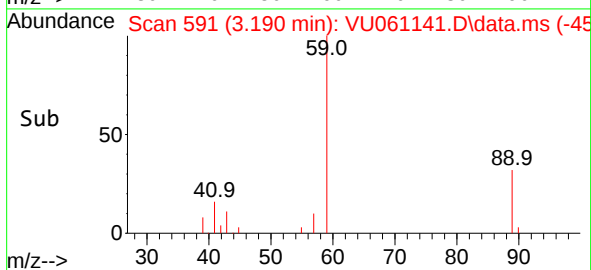
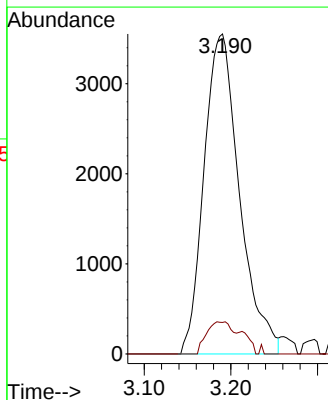
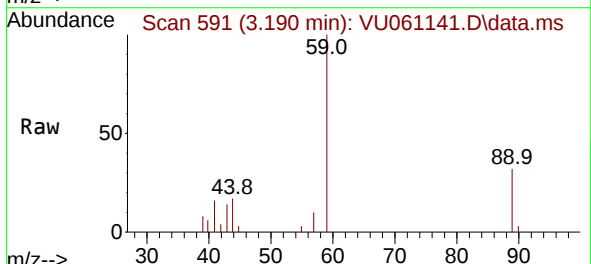
Manual Integrations  
APPROVED

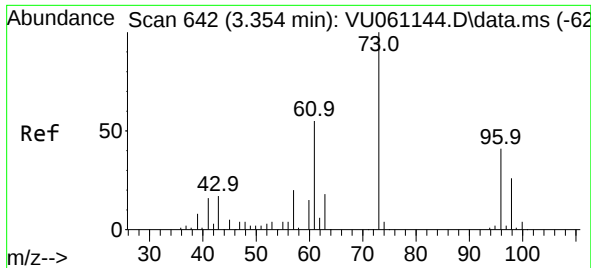
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#24  
tert-Butyl Alcohol  
Concen: 10.850 ug/l  
RT: 3.190 min Scan# 591  
Delta R.T. -0.065 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion: 59 Resp: 10107  
Ion Ratio Lower Upper  
59 100  
57 7.4 3.2 4.8#





#25  
Methyl tert-Butyl Ether  
Concen: 0.921 ug/l  
RT: 3.357 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

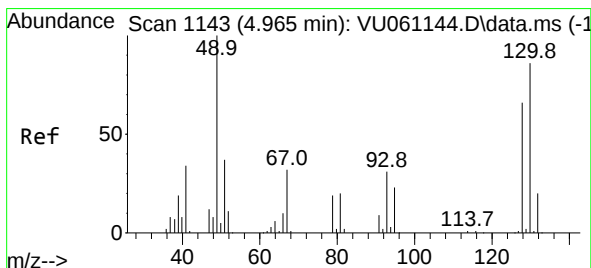
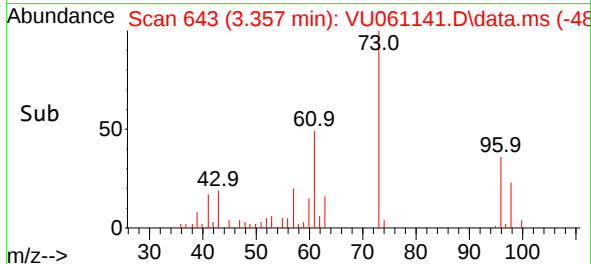
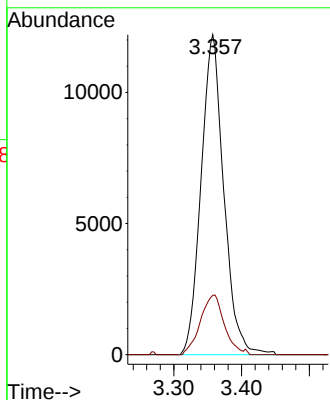
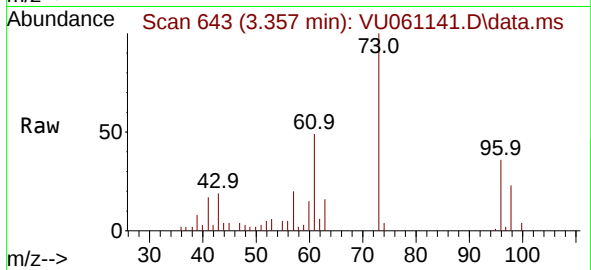
VSTDIC001

Tgt Ion: 73 Resp: 28409  
Ion Ratio Lower Upper  
73 100  
43 19.8 14.7 22.1

Manual Integrations

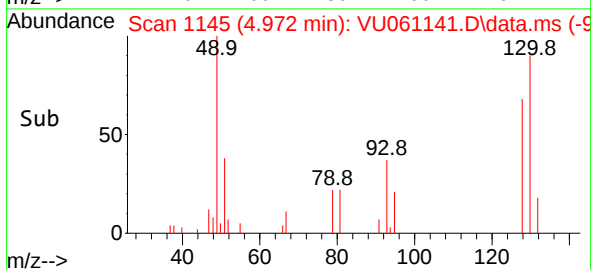
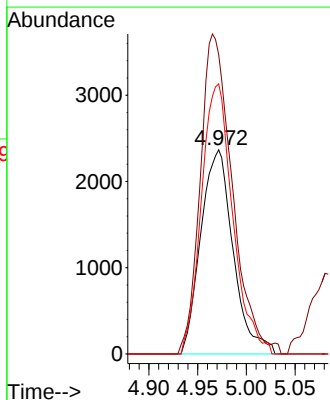
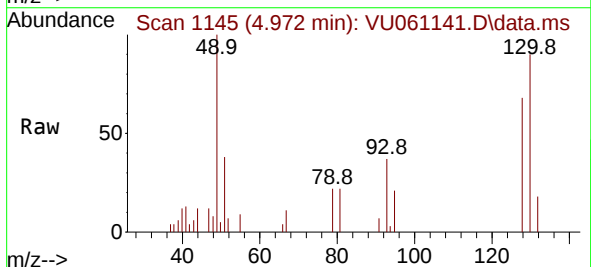
APPROVED

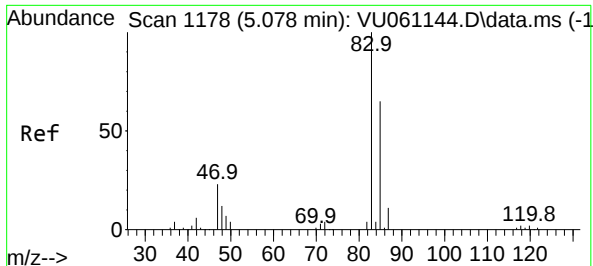
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#26  
Bromochloromethane  
Concen: 0.887 ug/l  
RT: 4.972 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion:128 Resp: 5458  
Ion Ratio Lower Upper  
128 100  
49 154.1 0.0 308.8  
130 128.5 105.3 157.9





#27

Chloroform

Concen: 0.923 ug/l

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 2316

Ion Ratio Lower Upper

83 100

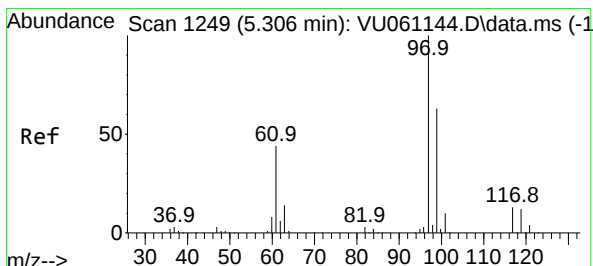
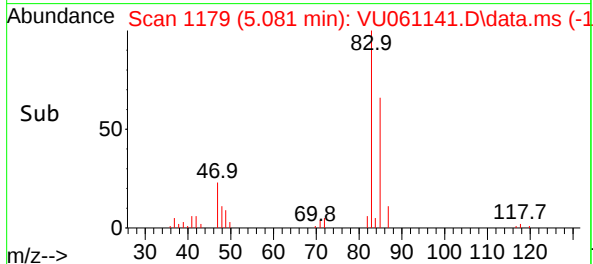
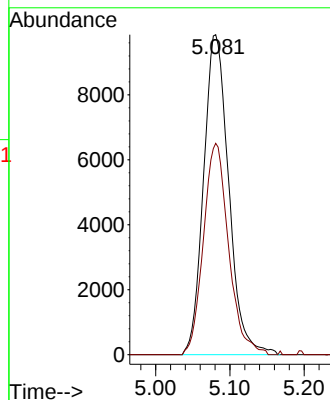
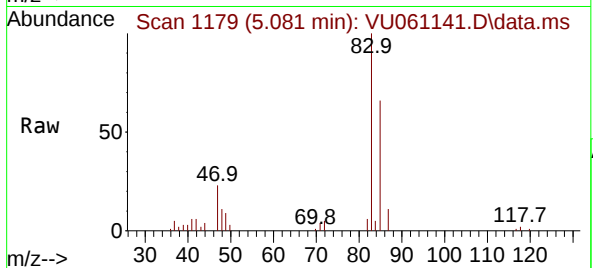
85 66.0 0.0 129.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024

Supervised By :Mahesh Dadoda 10/21/2024



#28

1,1,1-Trichloroethane

Concen: 0.925 ug/l

RT: 5.306 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

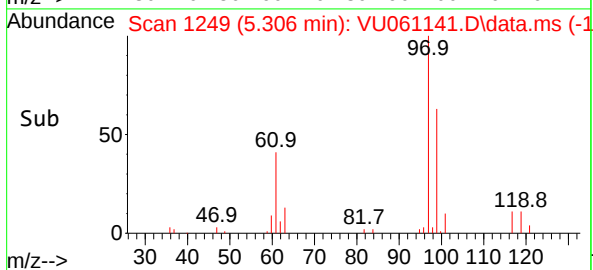
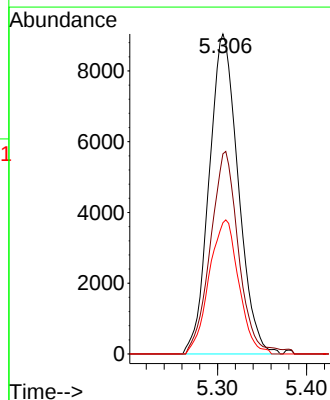
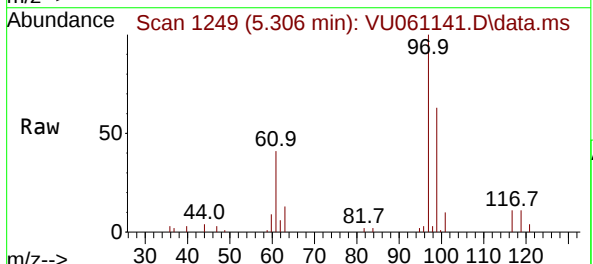
Tgt Ion: 97 Resp: 20477

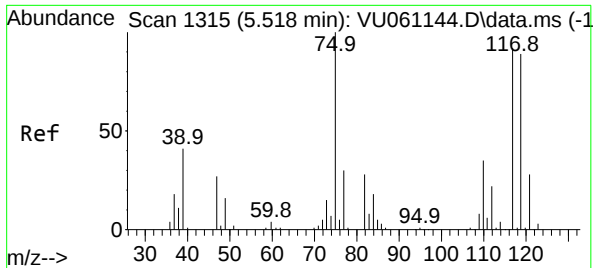
Ion Ratio Lower Upper

97 100

99 61.3 31.9 95.5

61 42.7 22.1 66.1





#29  
1,1-Dichloropropene  
Concen: 0.931 ug/l  
RT: 5.521 min Scan# 1316  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

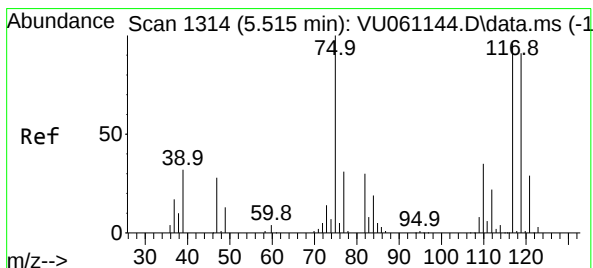
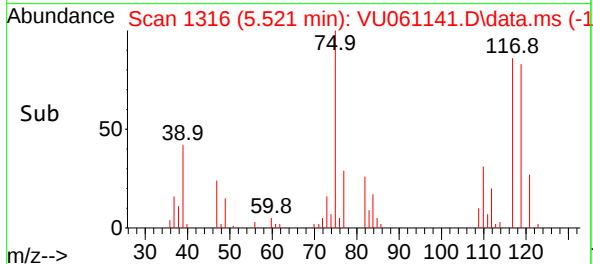
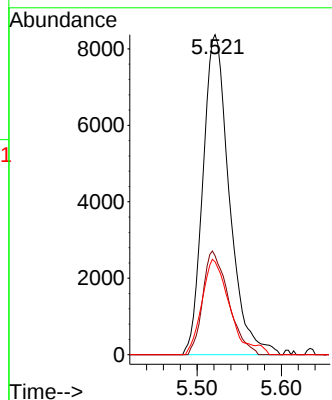
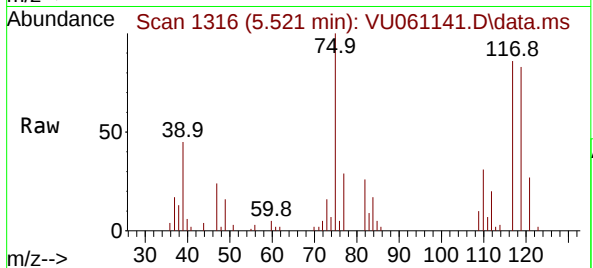
VSTDIC001

Tgt Ion: 75 Resp: 1822  
Ion Ratio Lower Upper  
75 100  
110 31.5 17.8 53.3  
77 31.4 24.6 37.0

Manual Integrations

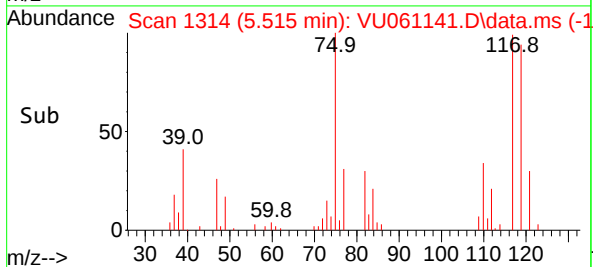
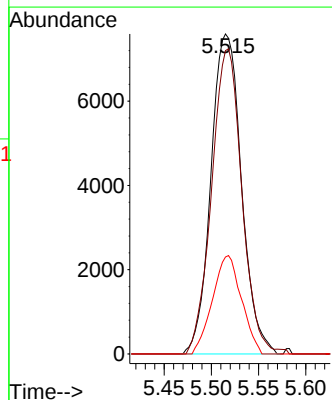
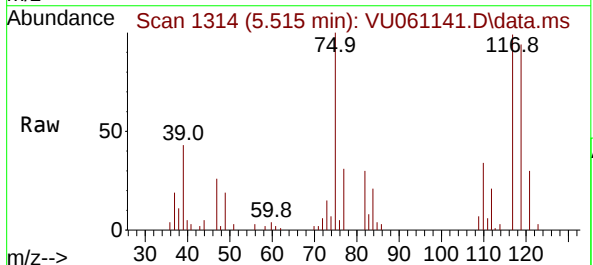
APPROVED

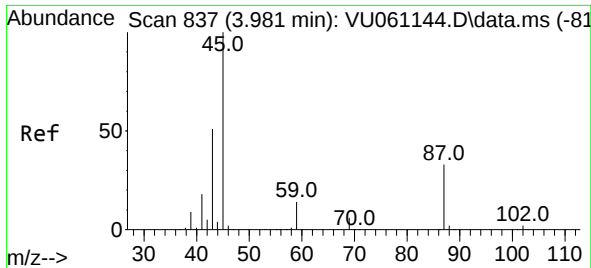
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#30  
Carbon Tetrachloride  
Concen: 0.888 ug/l  
RT: 5.515 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

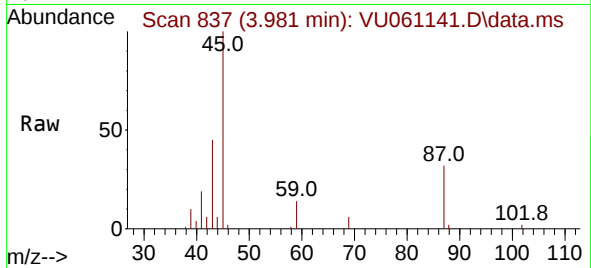
Tgt Ion:117 Resp: 17062  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.4 114.6  
121 30.3 24.1 36.1





#31  
Isopropyl Ether  
Concen: 0.905 ug/l  
RT: 3.981 min Scan# 837  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

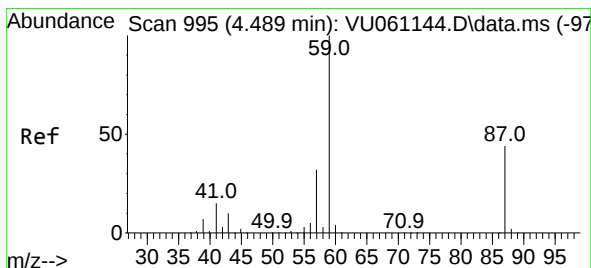
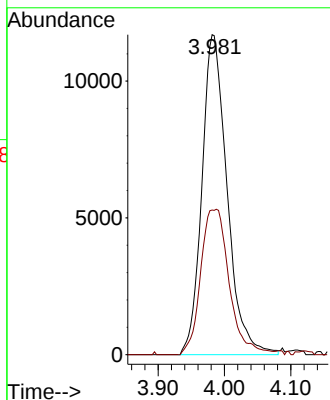
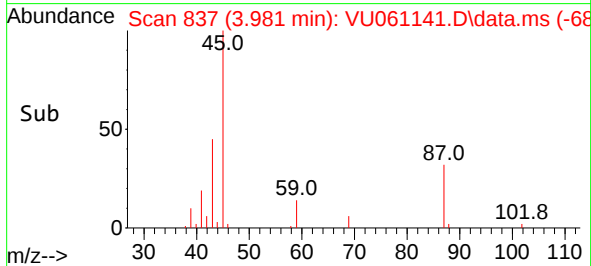
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



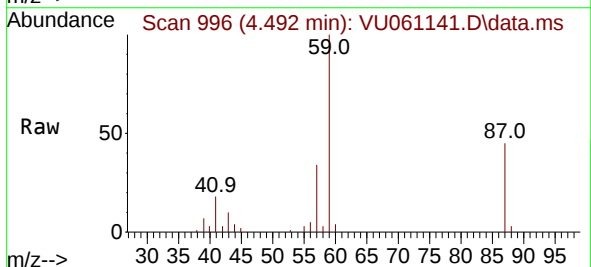
Tgt Ion: 45 Resp: 3090  
Ion Ratio Lower Upper  
45 100  
43 51.4 25.7 77.0

Manual Integrations  
APPROVED

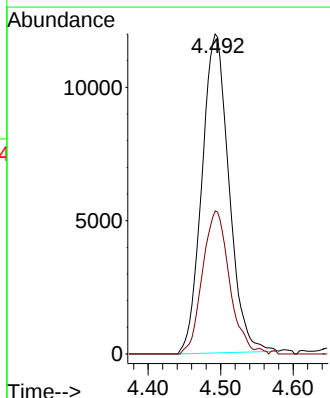
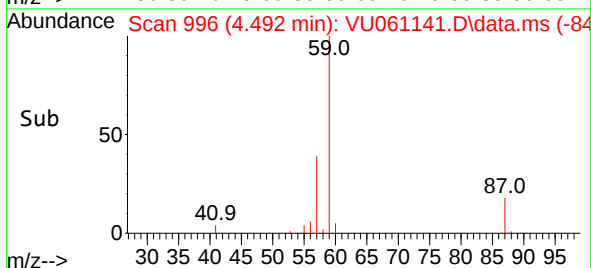
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

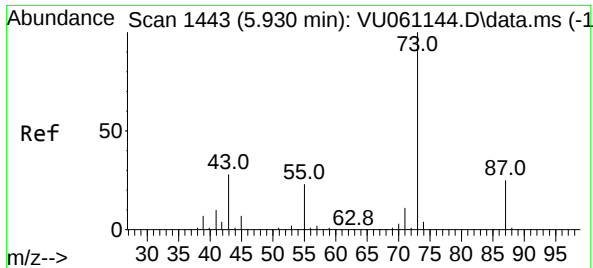


#32  
Ethyl-t-butyl ether  
Concen: 0.883 ug/l  
RT: 4.492 min Scan# 996  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



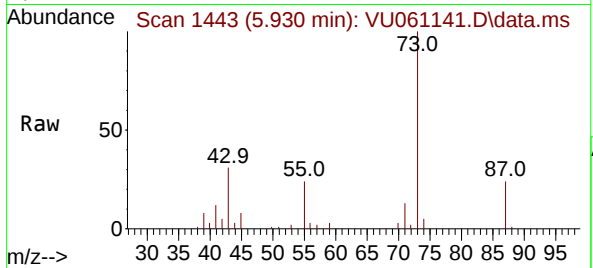
Tgt Ion: 59 Resp: 31028  
Ion Ratio Lower Upper  
59 100  
87 42.7 34.7 52.1





#33  
Tert-Amyl methyl ether  
Concen: 0.889 ug/l  
RT: 5.930 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

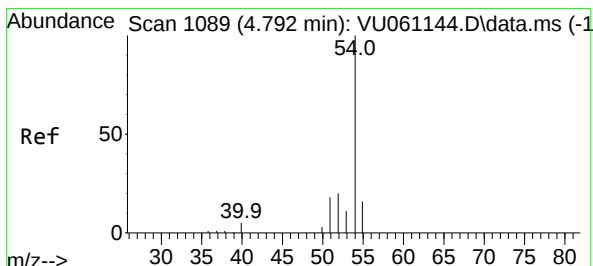
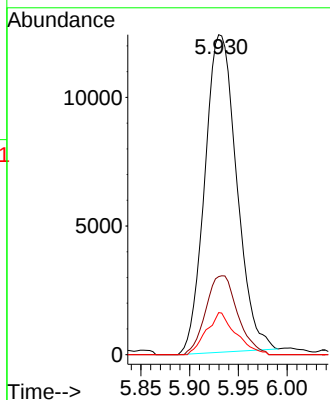
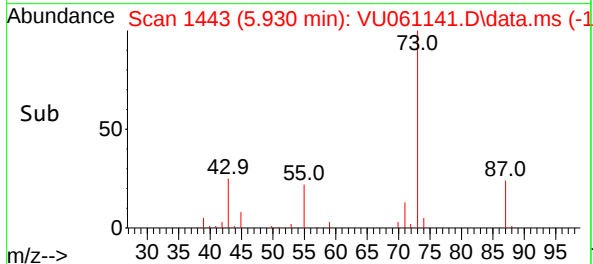
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion: 73 Resp: 28109  
Ion Ratio Lower Upper  
73 100  
87 24.9 19.8 29.8  
71 12.2 8.6 12.8

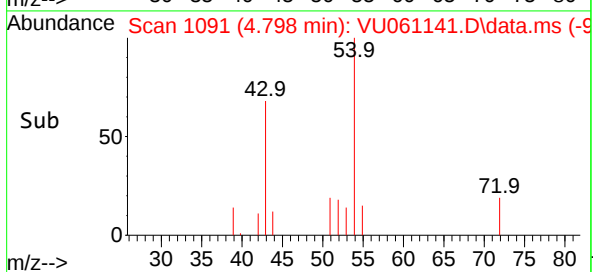
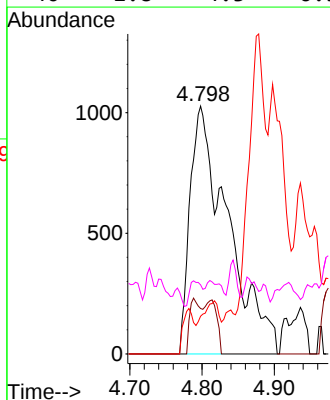
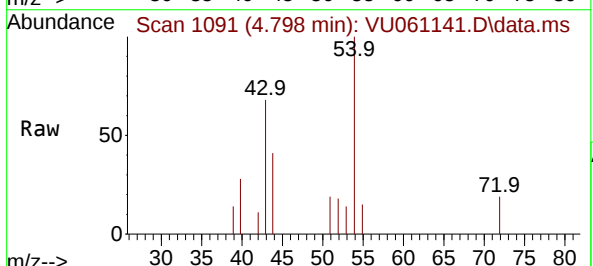
Manual Integrations  
APPROVED

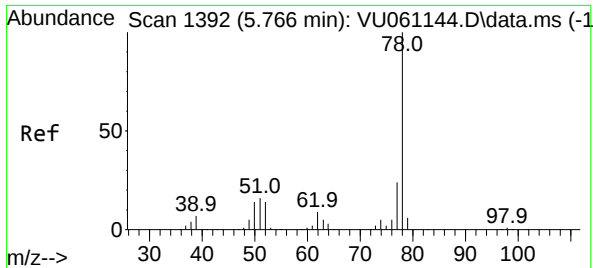
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#34  
Propionitrile  
Concen: 4.207 ug/l m  
RT: 4.798 min Scan# 1091  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion: 54 Resp: 3742  
Ion Ratio Lower Upper  
54 100  
52 0.0 15.3 22.9#  
55 5.1 9.7 14.5#  
40 1.8 4.3 6.5#





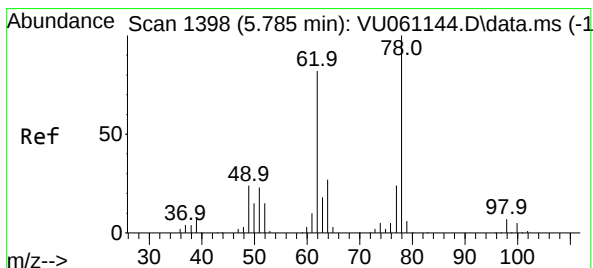
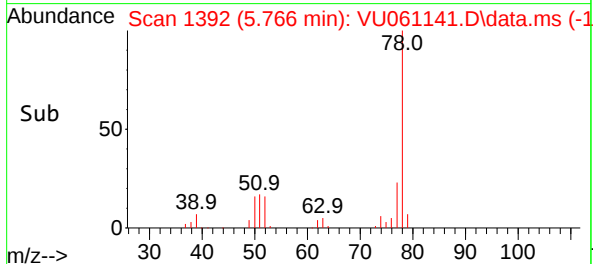
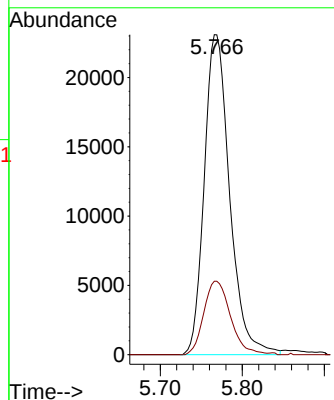
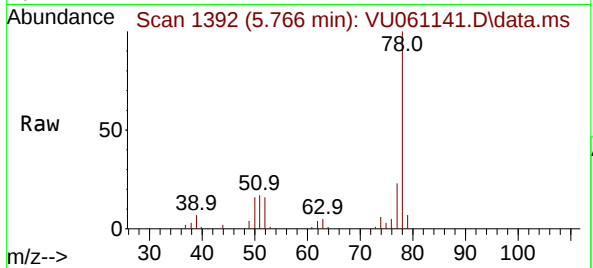
#35  
Benzene  
Concen: 0.903 ug/l  
RT: 5.766 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 78 Resp: 4971  
Ion Ratio Lower Upper  
78 100  
77 23.0 19.4 29.0

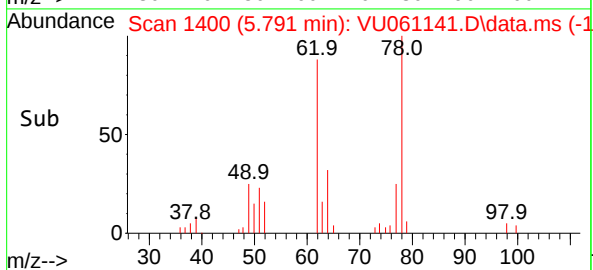
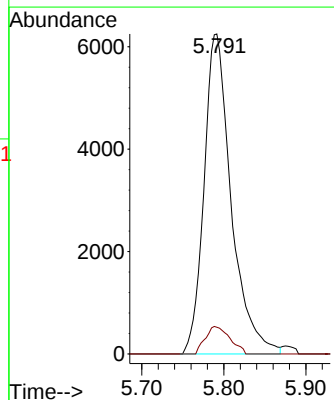
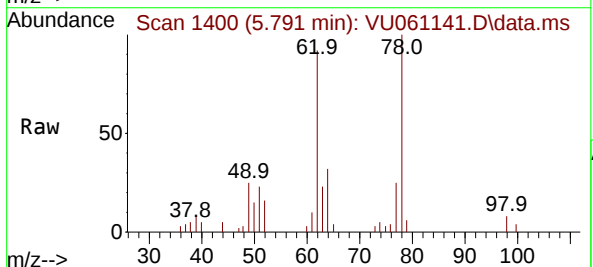
Manual Integrations  
APPROVED

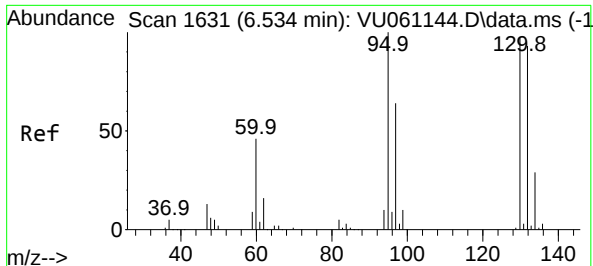
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#36  
1,2-Dichloroethane  
Concen: 0.925 ug/l  
RT: 5.791 min Scan# 1400  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion: 62 Resp: 14381  
Ion Ratio Lower Upper  
62 100  
98 7.7 7.0 10.4





#37

Trichloroethene

Concen: 0.910 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 13379

Ion Ratio Lower Upper

130 100

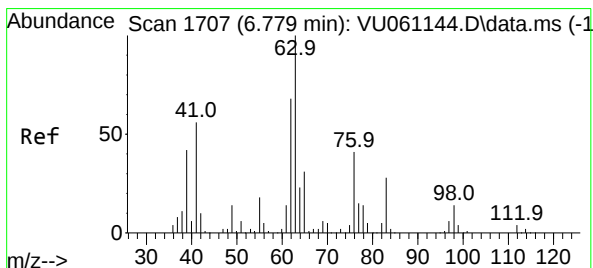
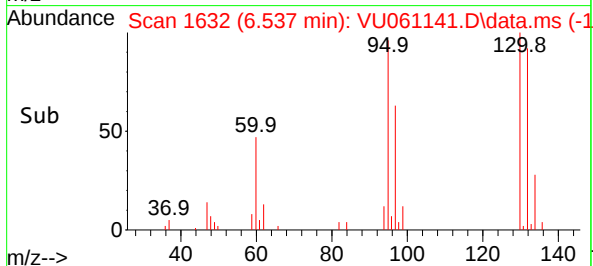
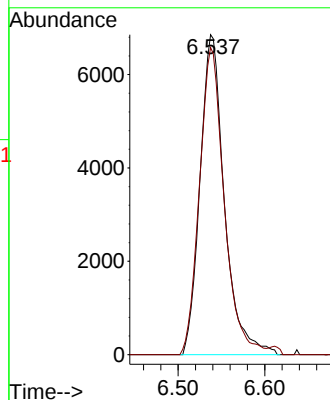
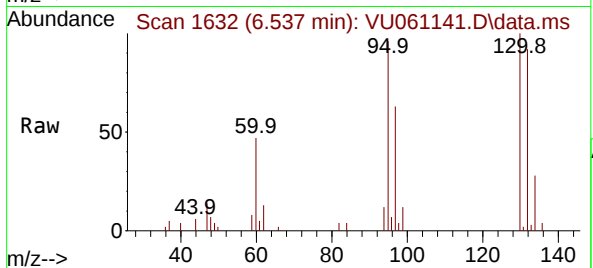
95 96.0 82.6 123.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024

Supervised By :Mahesh Dadoda 10/21/2024



#38

1,2-Dichloropropane

Concen: 0.898 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. 0.003 min

Lab File: VU061141.D

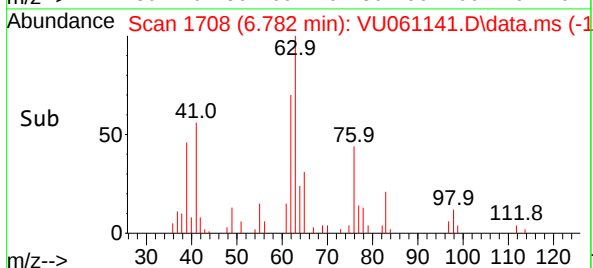
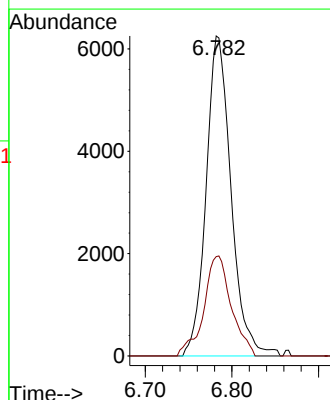
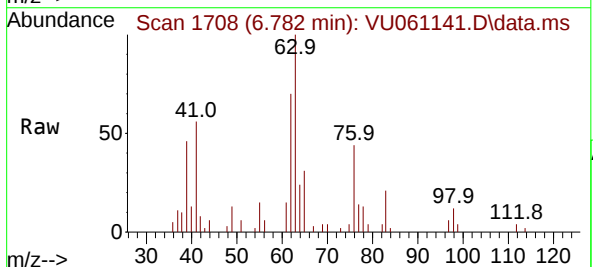
Acq: 17 Oct 2024 11:48

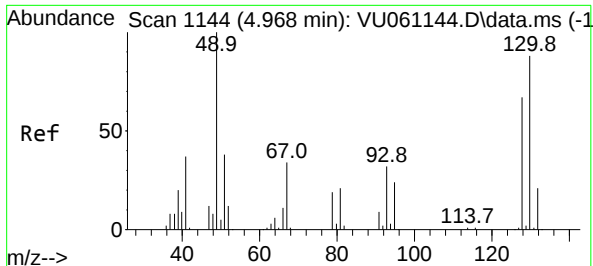
Tgt Ion: 63 Resp: 12525

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.6





#39

Methacrylonitrile

Concen: 0.770 ug/l

RT: 4.991 min Scan# 1151

Delta R.T. 0.022 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

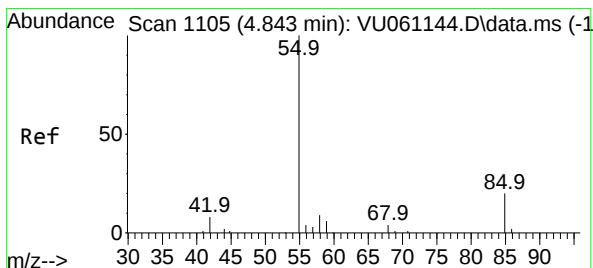
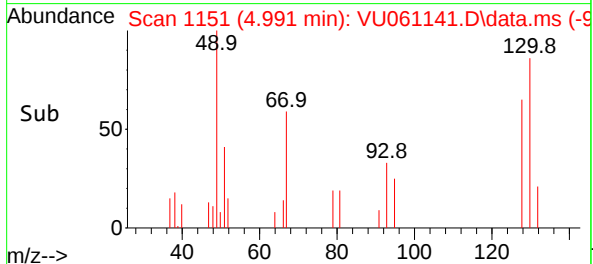
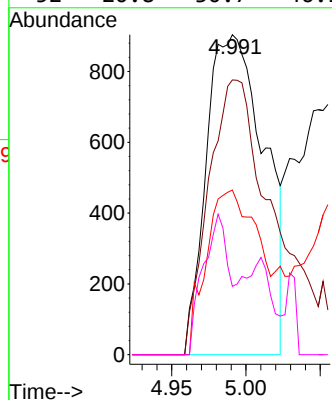
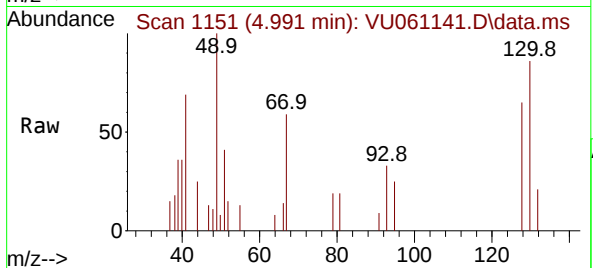
VSTDICC001

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 244   |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 67 95.5     | 78.1 117.1  |
| 39 48.2     | 44.6 67.0   |
| 52 20.8     | 30.7 46.1#  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#40

Methyl acrylate

Concen: 0.852 ug/l m

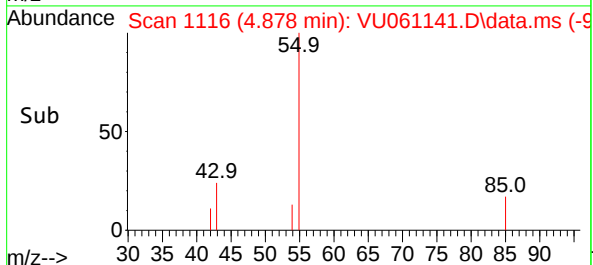
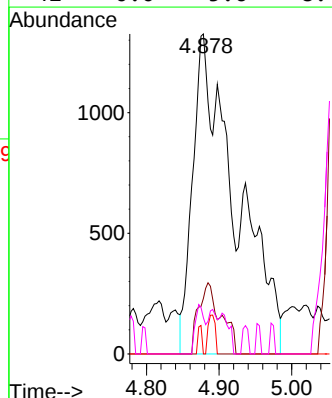
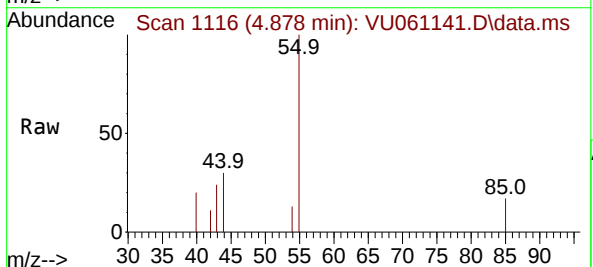
RT: 4.878 min Scan# 1116

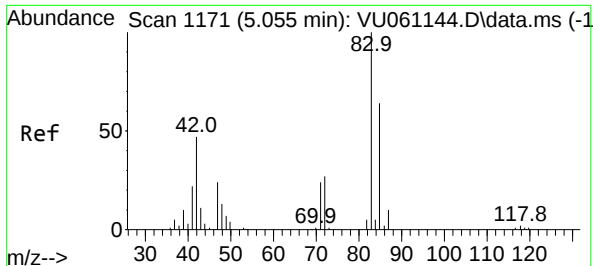
Delta R.T. 0.035 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

|             |             |
|-------------|-------------|
| Tgt Ion: 55 | Resp: 5443  |
| Ion Ratio   | Lower Upper |
| 55 100      |             |
| 85 0.0      | 14.1 21.1#  |
| 58 0.0      | 6.9 10.3#   |
| 42 0.0      | 5.6 8.4#    |





#41

Tetrahydrofuran

Concen: 2.020 ug/l m

RT: 5.065 min Scan# 1171

Delta R.T. 0.009 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

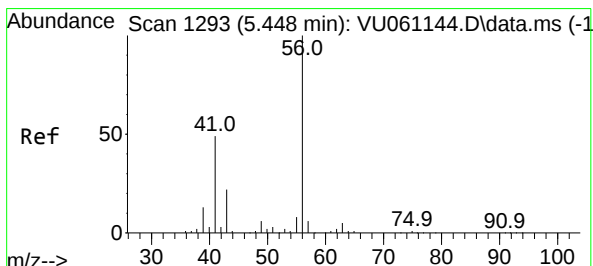
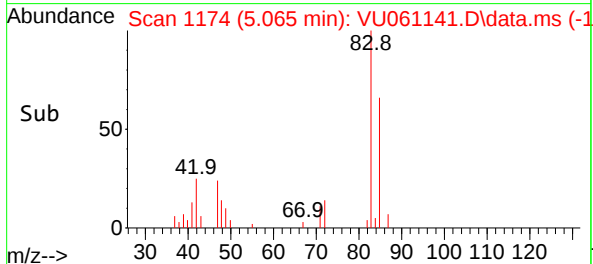
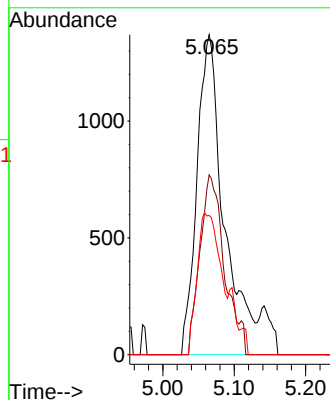
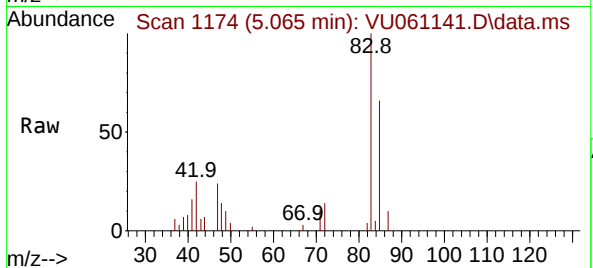
VSTDICC001

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 381  |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 48.1  | 47.8  | 71.8 |
| 71        | 35.7  | 41.5  | 62.3 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#42

1-Chlorobutane

Concen: 0.918 ug/l

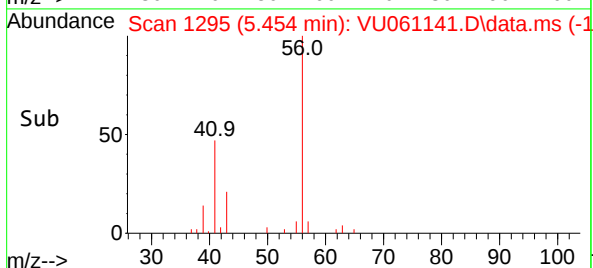
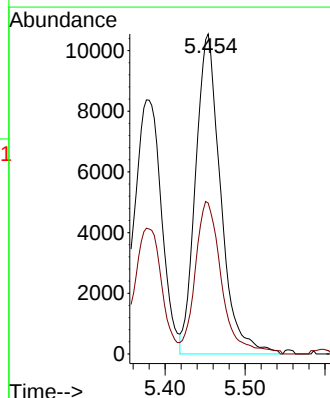
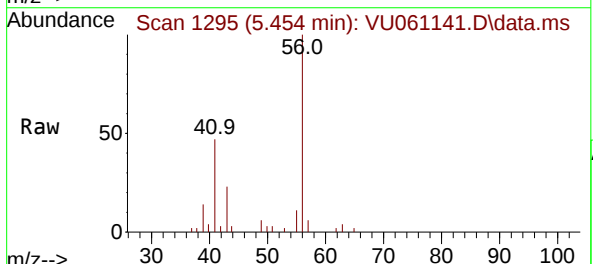
RT: 5.454 min Scan# 1295

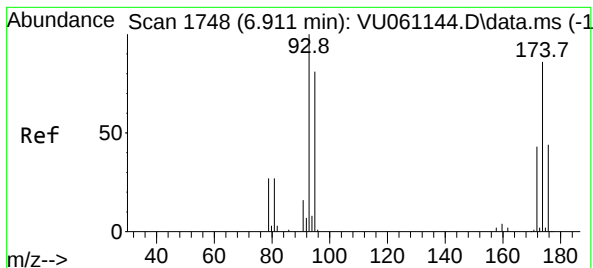
Delta R.T. 0.006 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 23035 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 49.9  | 23.9  | 71.7  |





#43

Dibromomethane

Concen: 0.931 ug/l

RT: 6.914 min Scan# 1748

Delta R.T. 0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

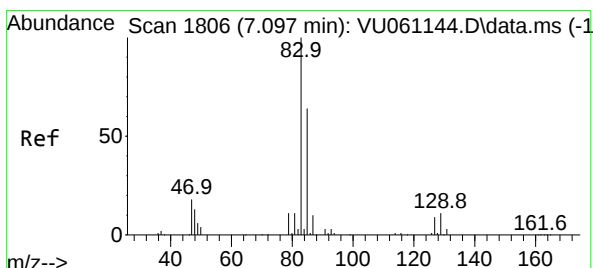
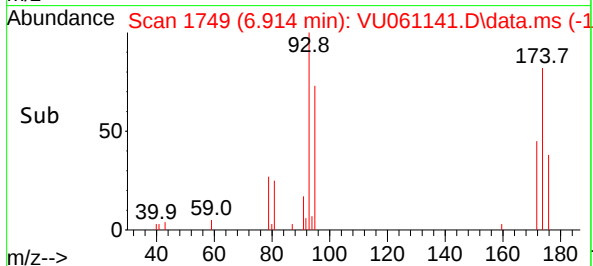
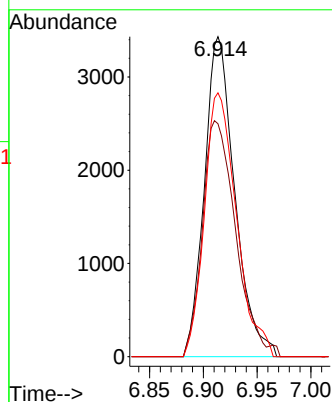
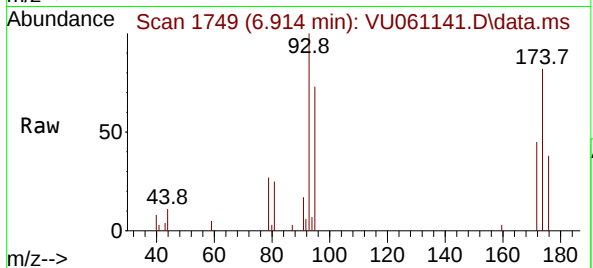
Tgt Ion: 93 Resp: 673

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 80.9  | 67.5  | 101.3 |
| 174 | 86.9  | 71.2  | 106.8 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#44

Bromodichloromethane

Concen: 0.912 ug/l

RT: 7.097 min Scan# 1806

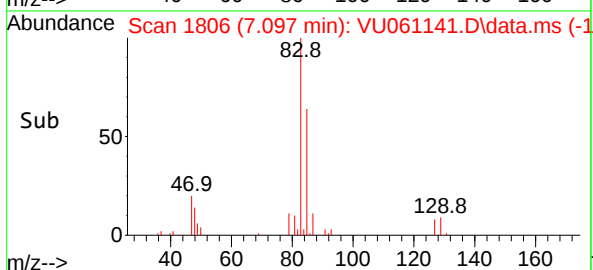
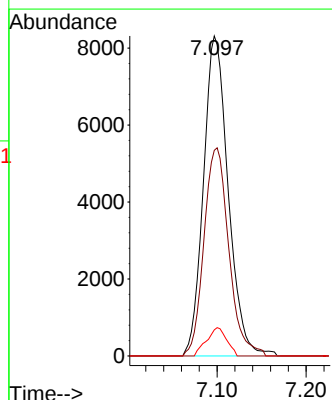
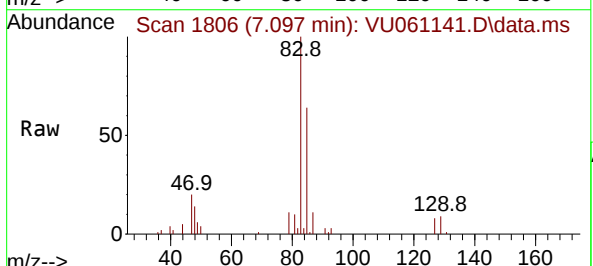
Delta R.T. -0.000 min

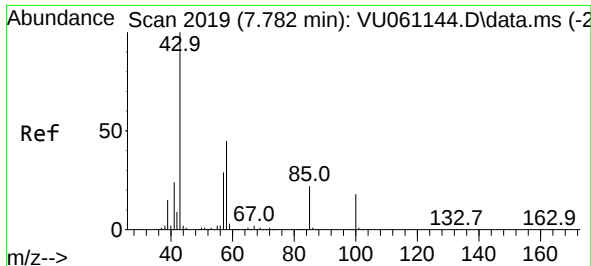
Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Tgt Ion: 83 Resp: 16044

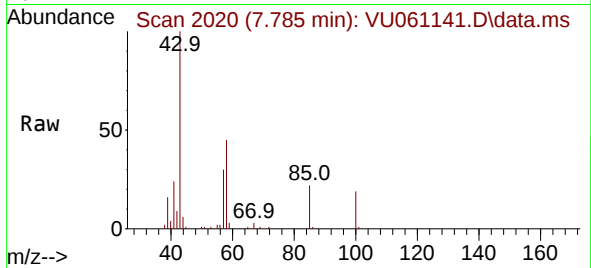
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.3  | 51.4  | 77.2  |
| 127 | 8.2   | 7.4   | 11.2  |





#45  
4-Methyl-2-Pentanone  
Concen: 4.388 ug/l  
RT: 7.785 min Scan# 2019  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

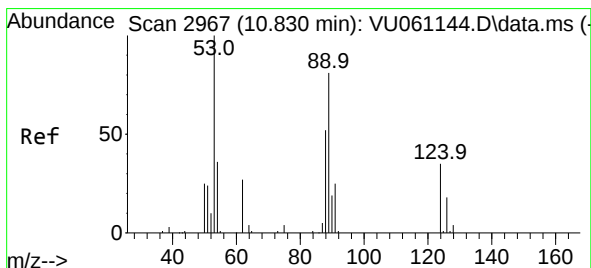
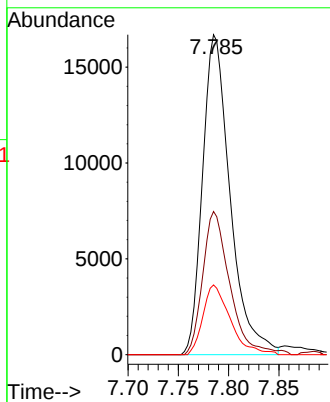
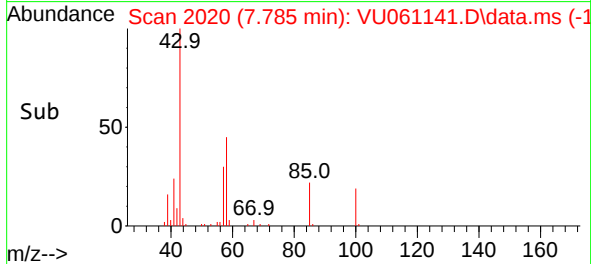
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion: 43 Resp: 3187  
Ion Ratio Lower Upper  
43 100  
58 44.0 22.2 66.6  
85 21.6 17.2 25.8

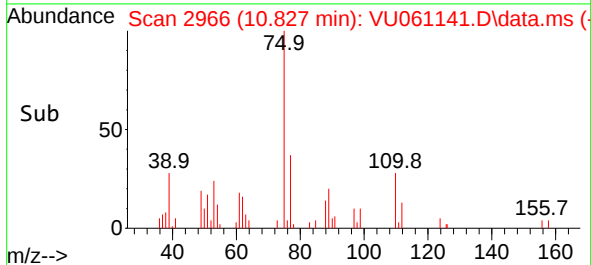
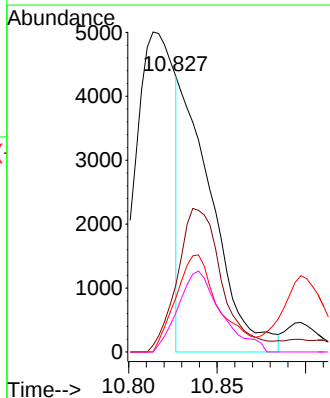
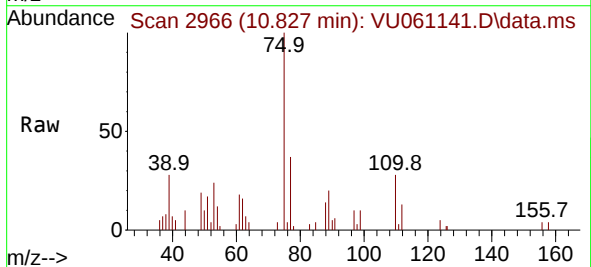
Manual Integrations  
APPROVED

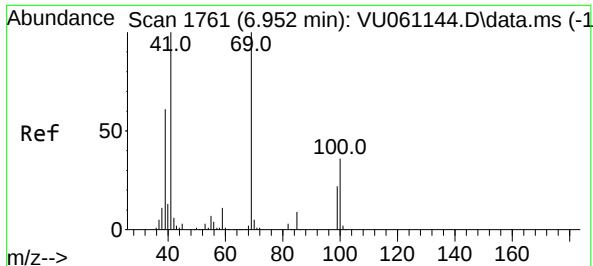
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#46  
t-1,4-Dichloro-2-butene  
Concen: 1.875 ug/l m  
RT: 10.827 min Scan# 2966  
Delta R.T. -0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion: 75 Resp: 5635  
Ion Ratio Lower Upper  
75 100  
53 70.5 66.0 99.0  
89 45.9 48.0 72.0#  
88 38.0 35.7 53.5





#47

Methyl methacrylate

Concen: 1.628 ug/l

RT: 6.959 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC001

Tgt Ion: 69 Resp: 10238

Ion Ratio Lower Upper

69 100

41 104.6 0.0 196.0

39 69.4 48.0 72.0

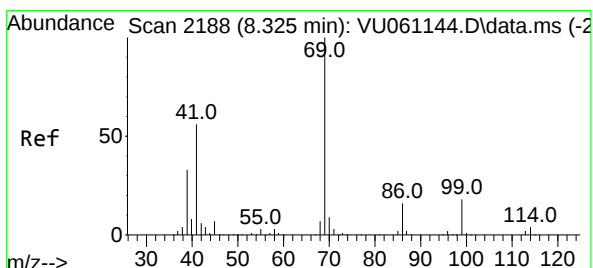
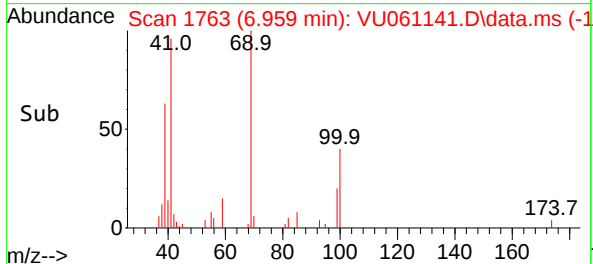
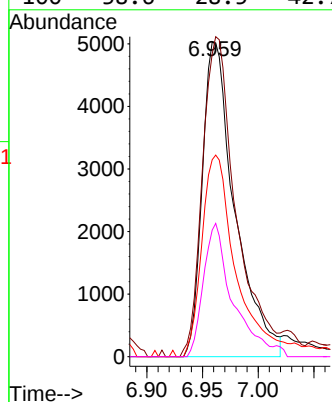
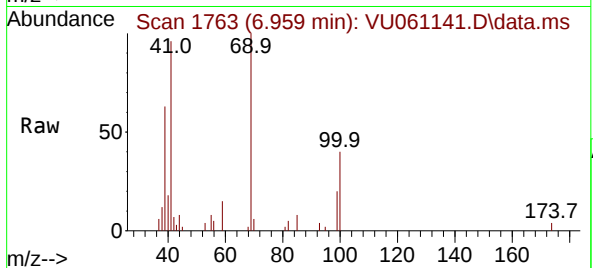
100 38.6 28.5 42.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024

Supervised By :Mahesh Dadoda 10/21/2024



#48

Ethyl methacrylate

Concen: 0.856 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. 0.006 min

Lab File: VU061141.D

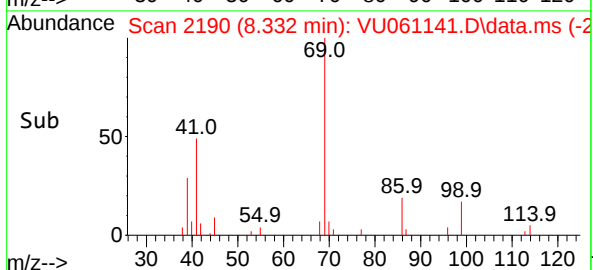
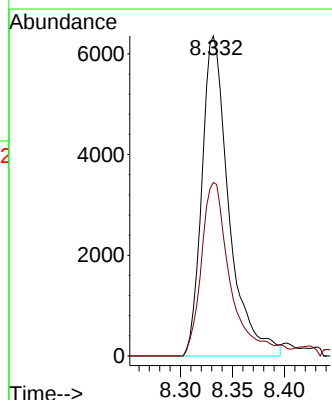
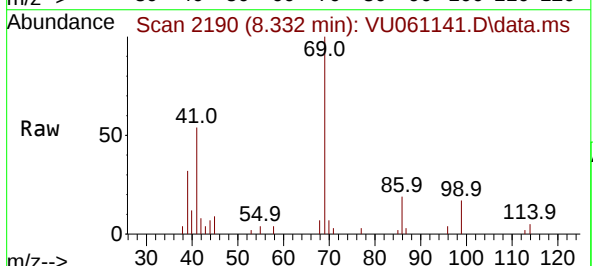
Acq: 17 Oct 2024 11:48

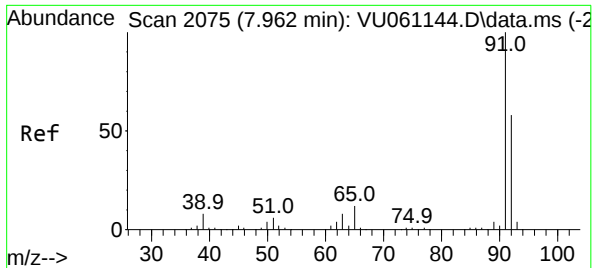
Tgt Ion: 69 Resp: 11478

Ion Ratio Lower Upper

69 100

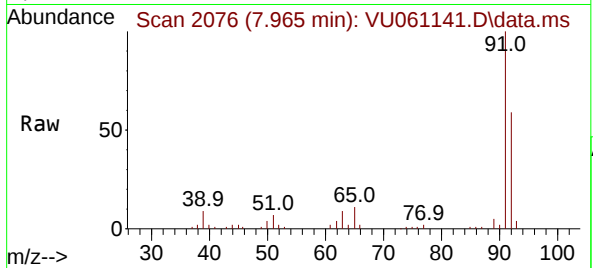
41 58.8 28.1 84.3





#49  
Toluene  
Concen: 0.877 ug/l  
RT: 7.965 min Scan# 2075  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

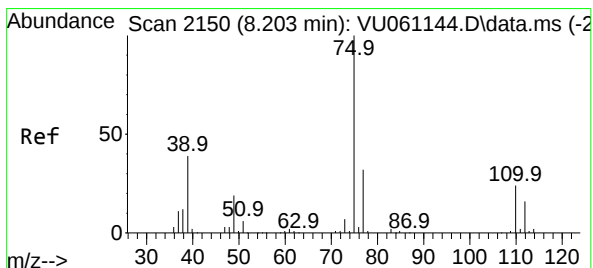
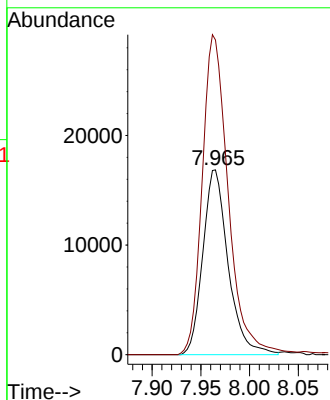
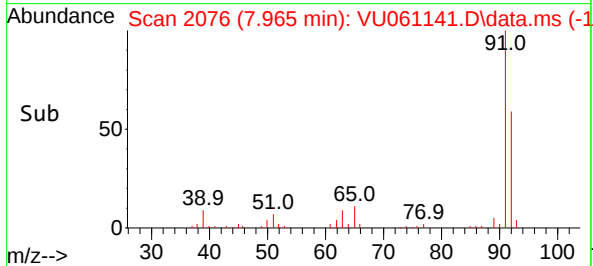
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



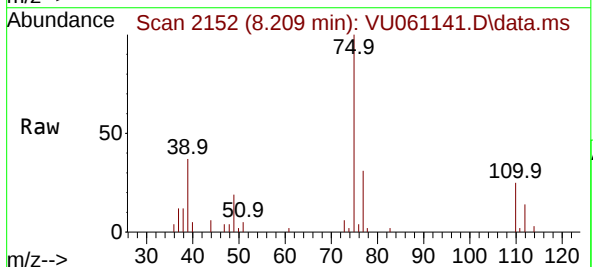
Tgt Ion: 92 Resp: 30509  
Ion Ratio Lower Upper  
92 100  
91 177.7 139.1 208.7

Manual Integrations  
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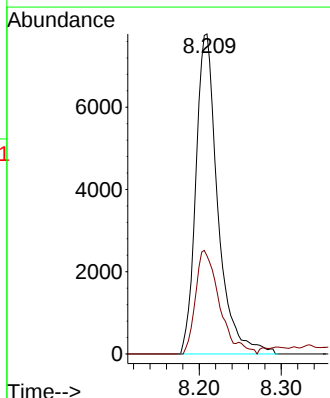
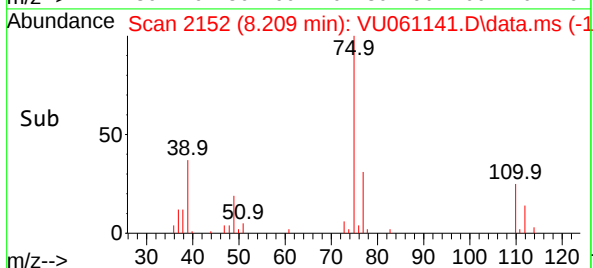
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

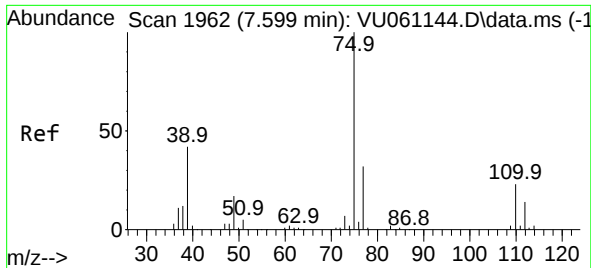


#50  
t-1,3-Dichloropropene  
Concen: 0.853 ug/l  
RT: 8.209 min Scan# 2152  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



Tgt Ion: 75 Resp: 14467  
Ion Ratio Lower Upper  
75 100  
77 30.6 25.9 38.9





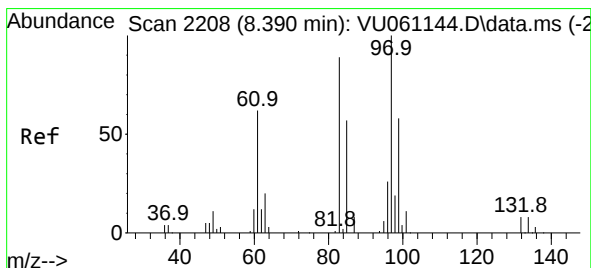
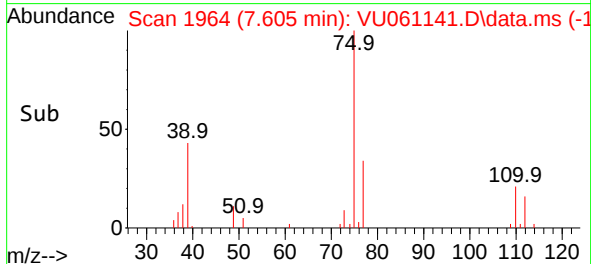
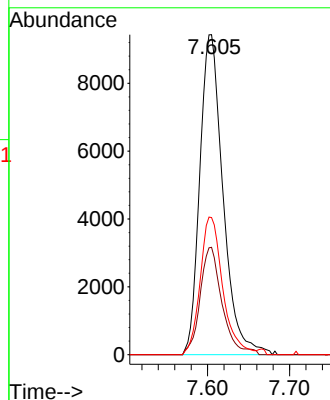
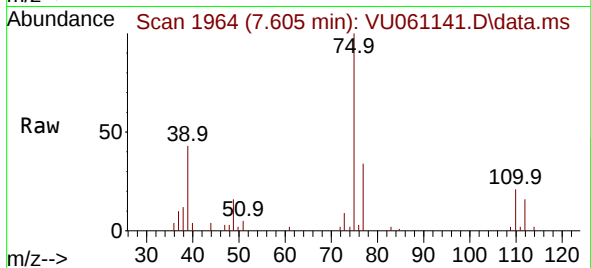
#51  
 cis-1,3-Dichloropropene  
 Concen: 0.892 ug/l  
 RT: 7.605 min Scan# 1962  
 Delta R.T. 0.006 min  
 Lab File: VU061141.D  
 Acq: 17 Oct 2024 11:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC001

Tgt Ion: 75 Resp: 1856  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 25.8 38.8  
 39 42.8 33.7 50.5

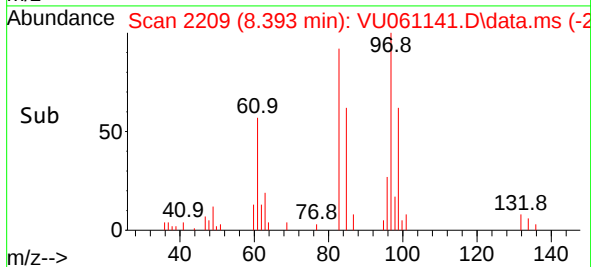
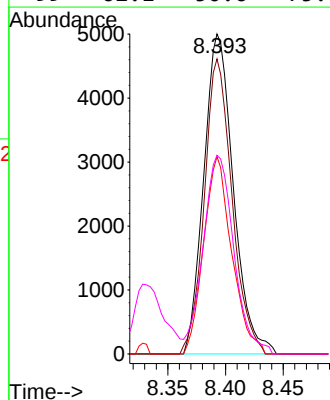
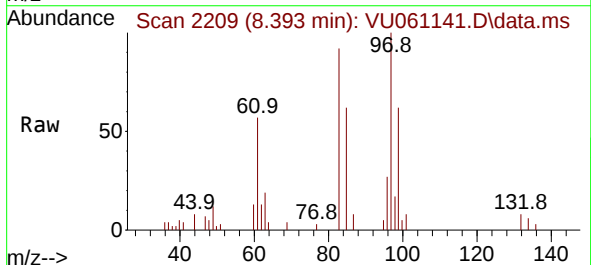
Manual Integrations  
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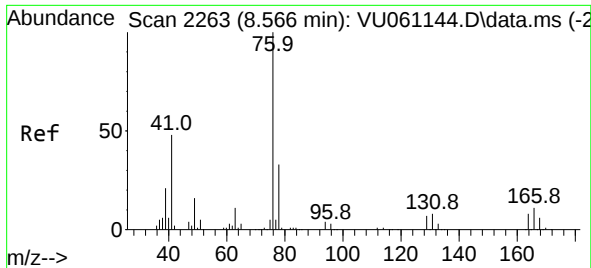
Reviewed By :Semsettin Yesilyurt 10/21/2024  
 Supervised By :Mahesh Dadoda 10/21/2024



#52  
 1,1,2-Trichloroethane  
 Concen: 0.913 ug/l  
 RT: 8.393 min Scan# 2209  
 Delta R.T. 0.003 min  
 Lab File: VU061141.D  
 Acq: 17 Oct 2024 11:48

Tgt Ion: 97 Resp: 8907  
 Ion Ratio Lower Upper  
 97 100  
 83 92.2 71.0 106.4  
 85 61.6 46.1 69.1  
 99 62.1 50.6 75.8





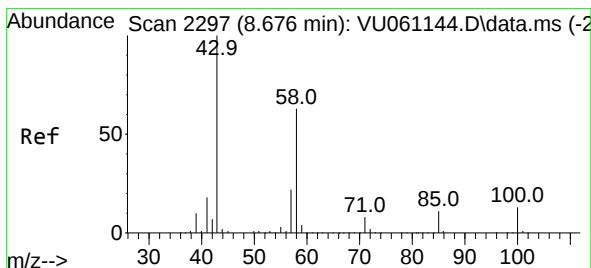
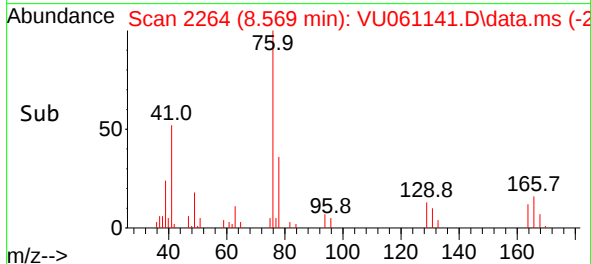
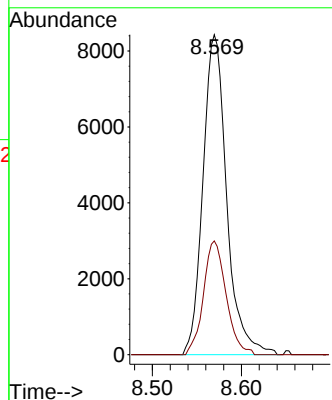
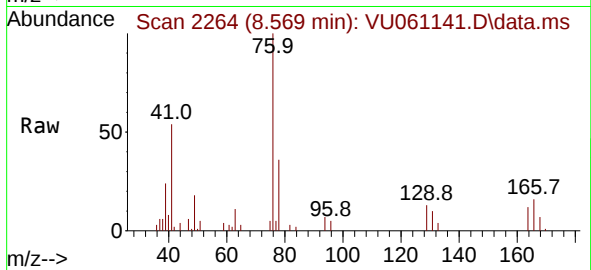
#53  
1,3-Dichloropropane  
Concen: 0.910 ug/l  
RT: 8.569 min Scan# 2263  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion: 76 Resp: 1558  
Ion Ratio Lower Upper  
76 100  
78 34.0 26.2 39.2

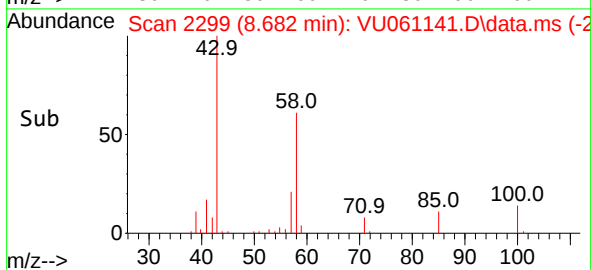
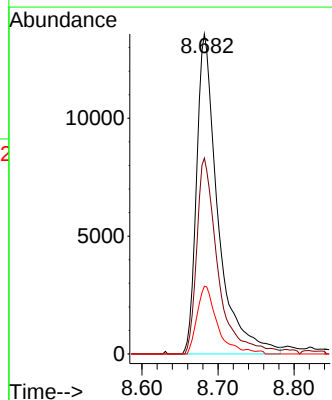
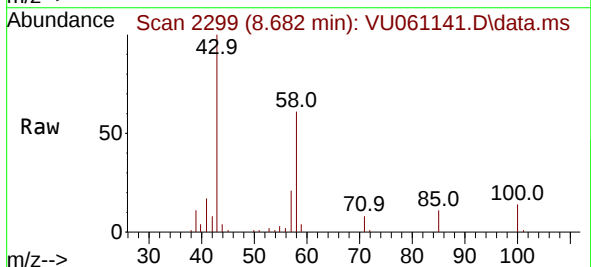
Manual Integrations  
APPROVED

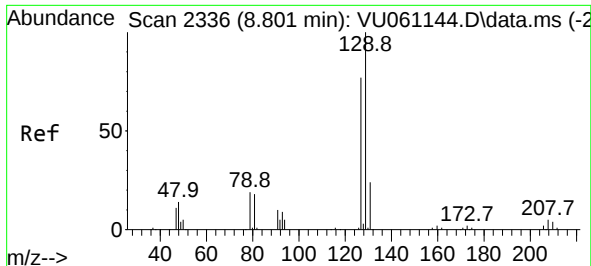
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#54  
2-Hexanone  
Concen: 4.444 ug/l  
RT: 8.682 min Scan# 2299  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

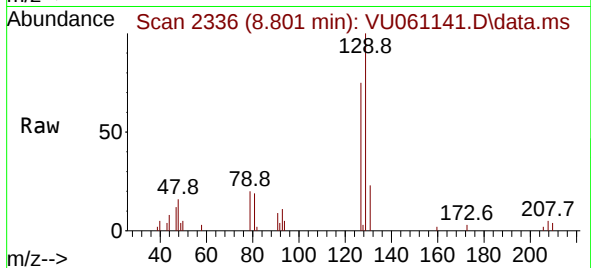
Tgt Ion: 43 Resp: 26514  
Ion Ratio Lower Upper  
43 100  
58 60.2 41.8 81.8  
57 19.5 1.4 41.4





#55  
Dibromochloromethane  
Concen: 0.861 ug/l  
RT: 8.801 min Scan# 2119  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

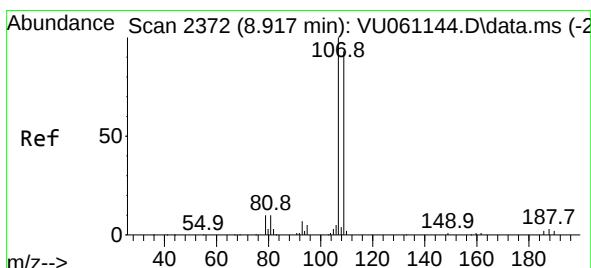
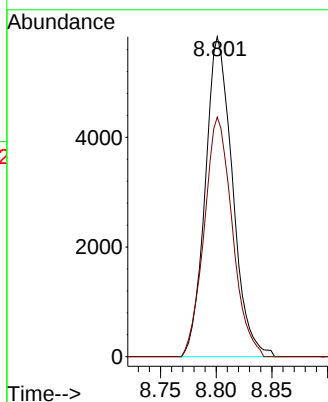
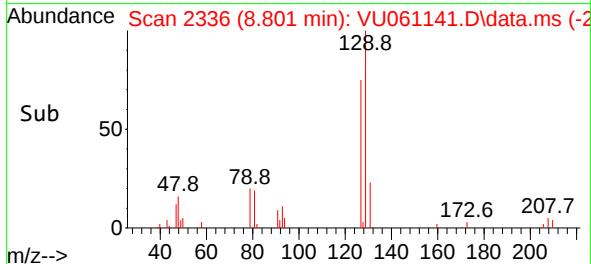
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion:129 Resp: 9919  
Ion Ratio Lower Upper  
129 100  
127 77.2 61.9 92.9

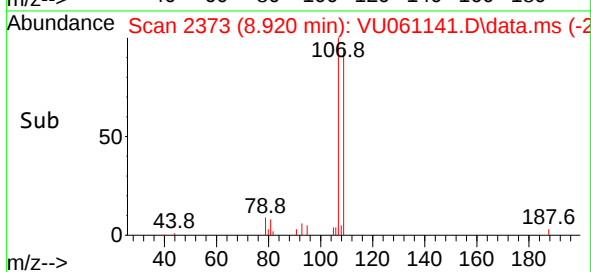
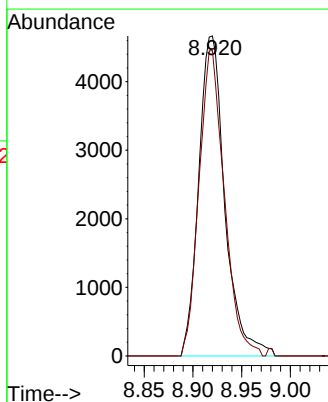
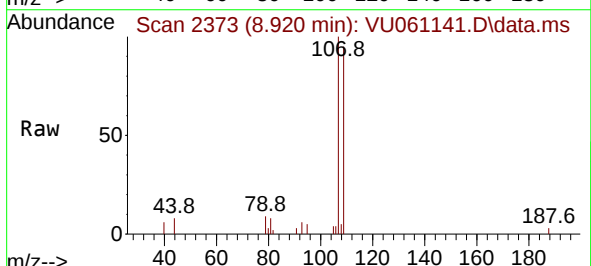
Manual Integrations  
APPROVED

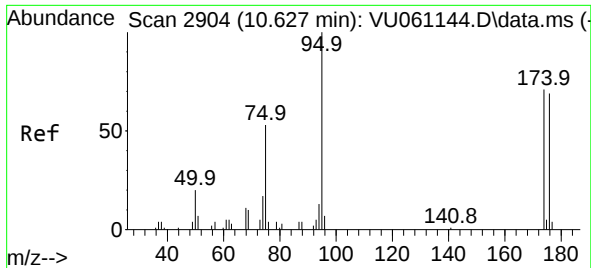
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#56  
1,2-Dibromoethane  
Concen: 0.931 ug/l  
RT: 8.920 min Scan# 2373  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

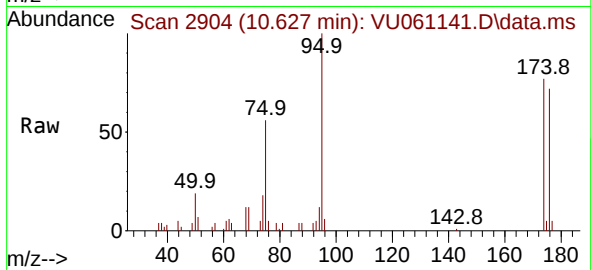
Tgt Ion:107 Resp: 8717  
Ion Ratio Lower Upper  
107 100  
109 92.4 0.0 185.2





#57  
4-Bromofluorobenzene  
Concen: 0.938 ug/l  
RT: 10.627 min Scan# 2904  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

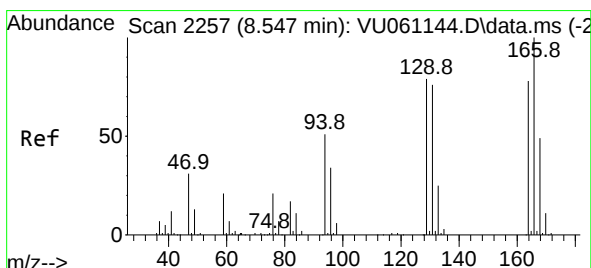
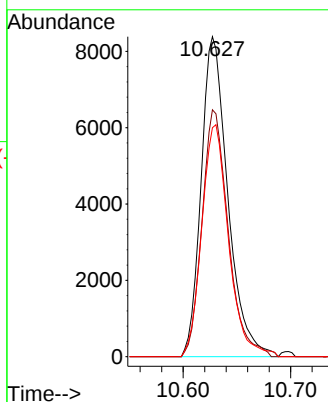
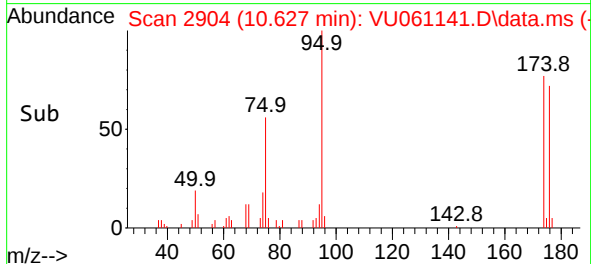
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion: 95 Resp: 1447  
Ion Ratio Lower Upper  
95 100  
174 75.7 55.4 83.0  
176 72.8 54.4 81.6

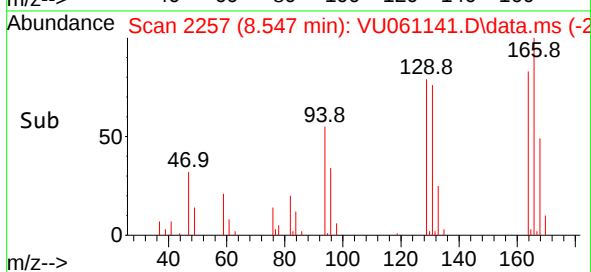
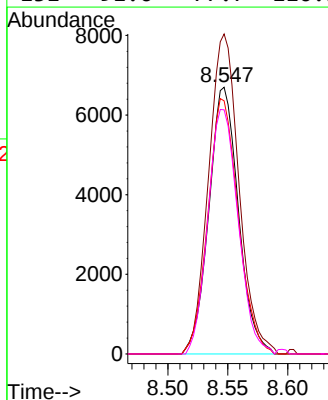
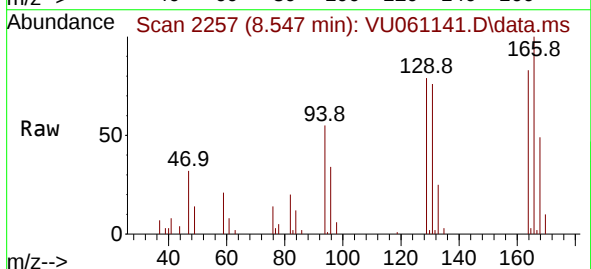
Manual Integrations  
APPROVED

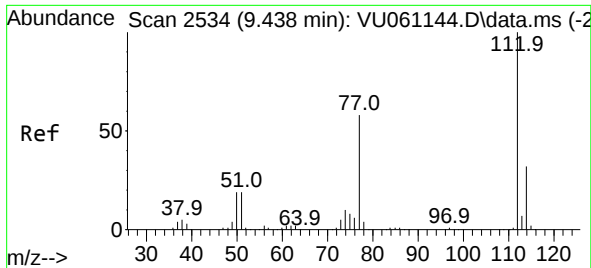
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#58  
Tetrachloroethene  
Concen: 0.920 ug/l  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

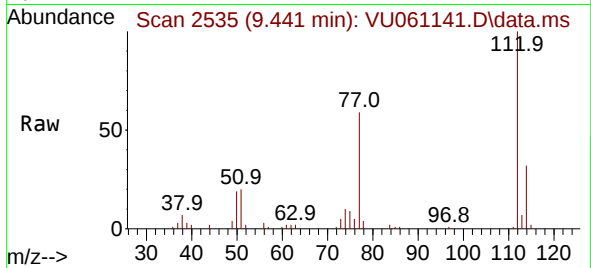
Tgt Ion:164 Resp: 11467  
Ion Ratio Lower Upper  
164 100  
166 120.0 102.1 153.1  
129 95.0 80.6 120.8  
131 91.6 77.7 116.5





#59  
Chlorobenzene  
Concen: 0.874 ug/l  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

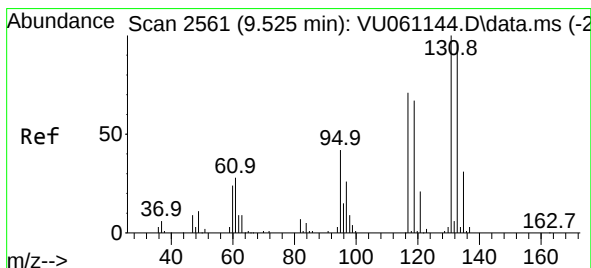
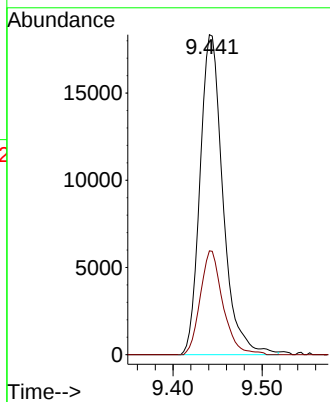
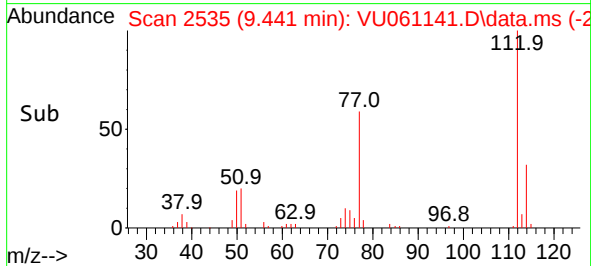
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion:112 Resp: 3275  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.4 38.2

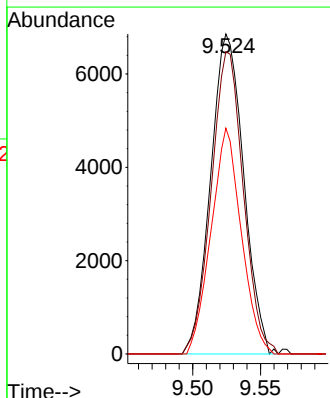
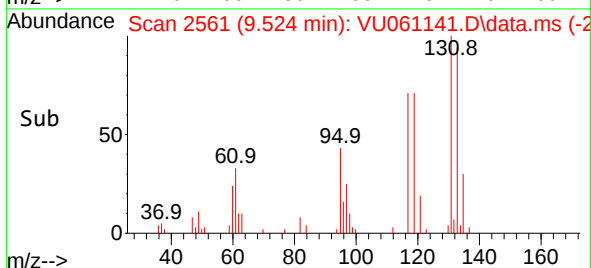
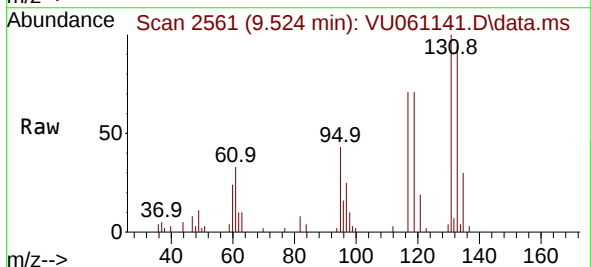
Manual Integrations  
APPROVED

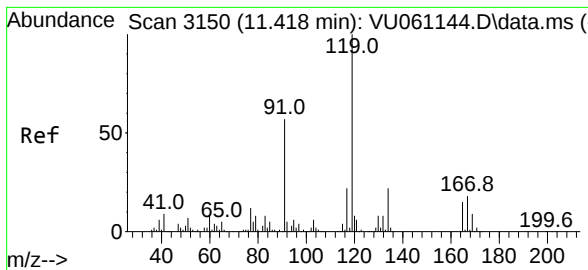
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.918 ug/l  
RT: 9.524 min Scan# 2561  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion:131 Resp: 11607  
Ion Ratio Lower Upper  
131 100  
133 91.8 76.8 115.2  
119 64.7 54.2 81.2





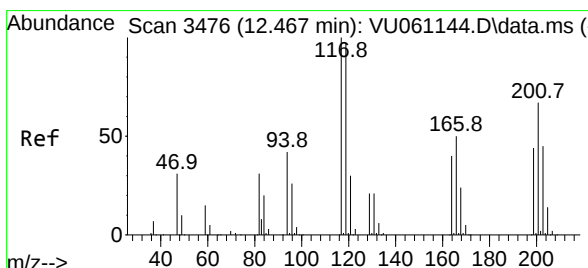
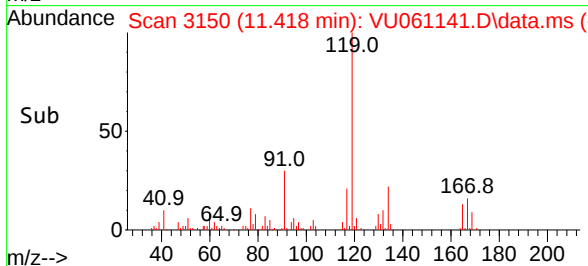
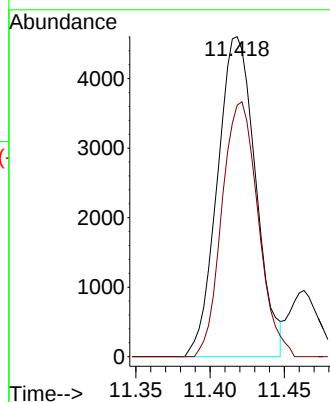
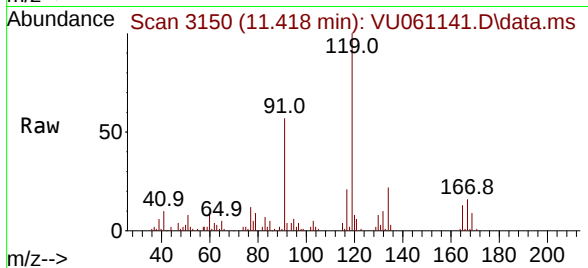
#61  
Pentachloroethane  
Concen: 0.853 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:117 Resp: 825  
Ion Ratio Lower Upper  
117 100  
167 75.2 63.4 95.2

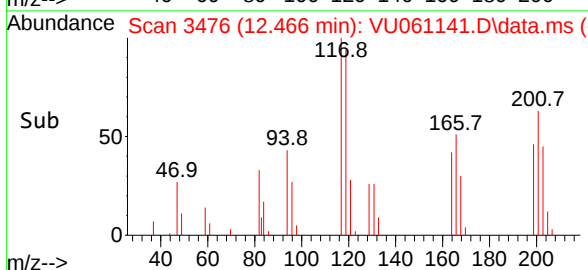
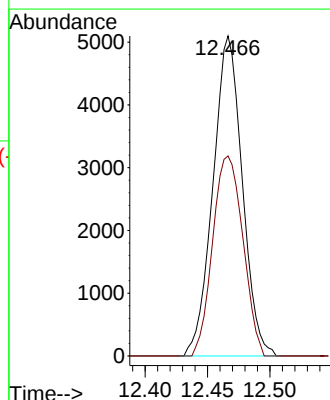
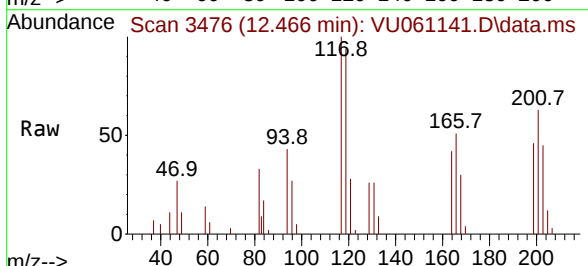
Manual Integrations  
APPROVED

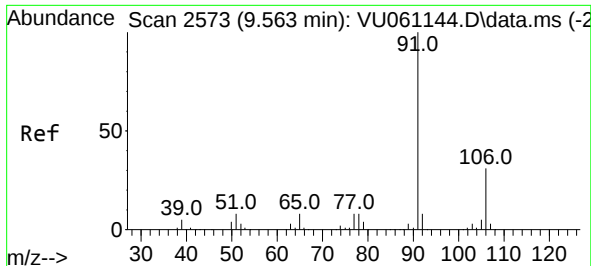
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#62  
Hexachloroethane  
Concen: 0.837 ug/l  
RT: 12.466 min Scan# 3476  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion:117 Resp: 8342  
Ion Ratio Lower Upper  
117 100  
201 64.4 54.3 81.5





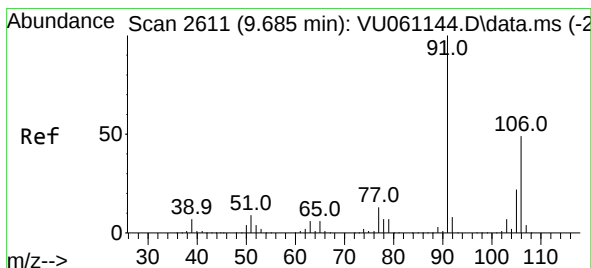
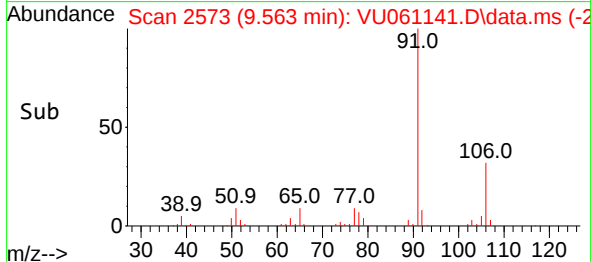
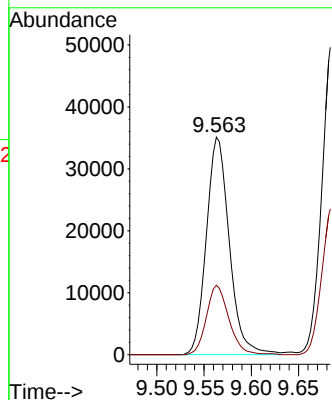
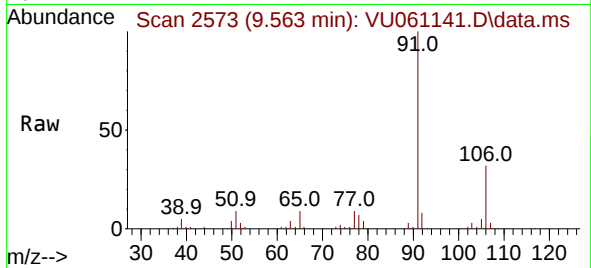
#63  
Ethyl Benzene  
Concen: 0.883 ug/l  
RT: 9.563 min Scan# 2573  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 59269  
Ion Ratio Lower Upper  
91 100  
106 31.9 24.6 37.0

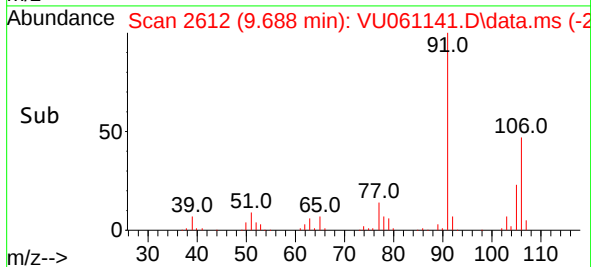
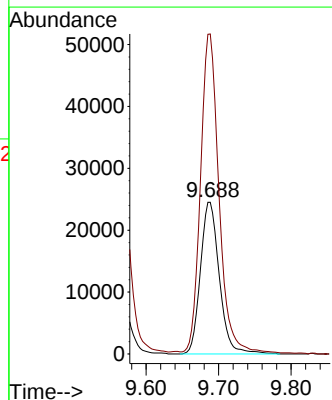
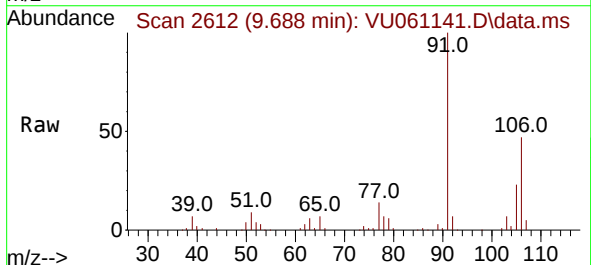
Manual Integrations  
APPROVED

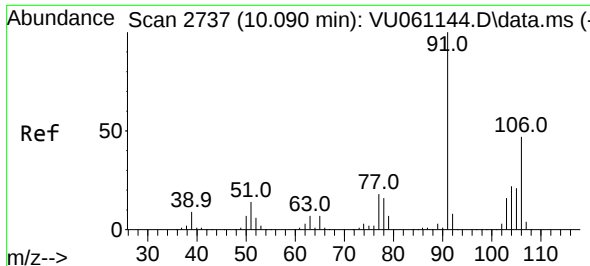
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#64  
m/p-Xylenes  
Concen: 1.737 ug/l  
RT: 9.688 min Scan# 2612  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion:106 Resp: 44390  
Ion Ratio Lower Upper  
106 100  
91 204.4 163.3 244.9





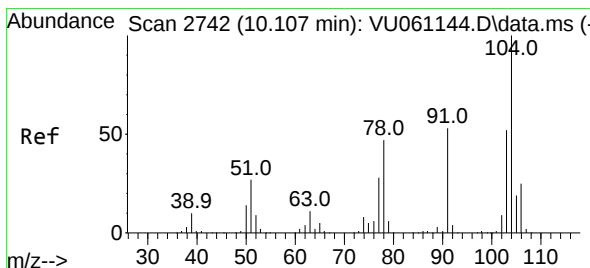
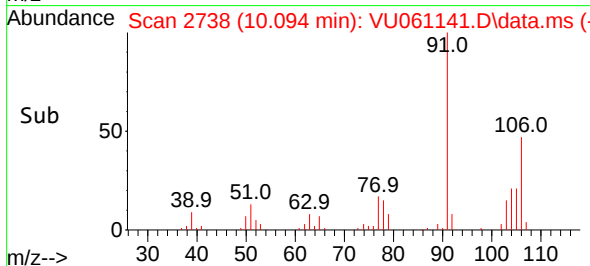
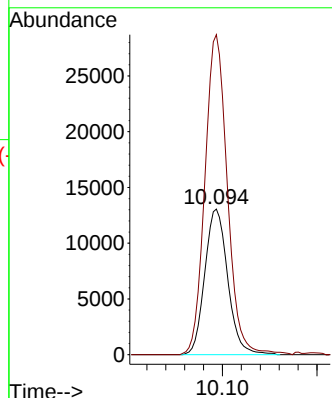
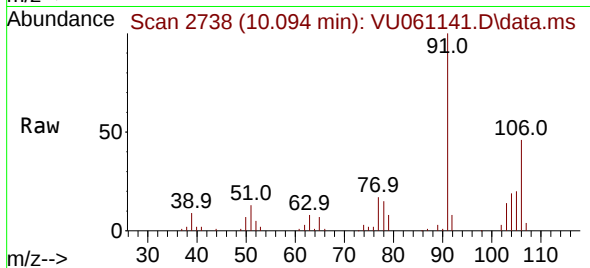
#65  
o-Xylene  
Concen: 0.876 ug/l  
RT: 10.094 min Scan# 2737  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:106 Resp: 22054  
Ion Ratio Lower Upper  
106 100  
91 215.0 106.9 320.8

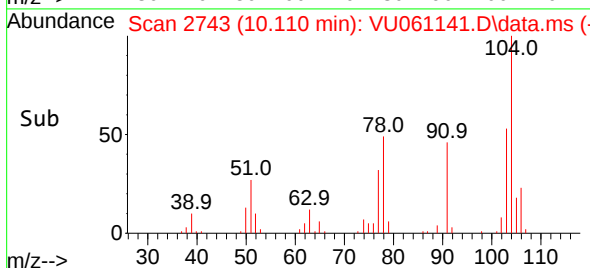
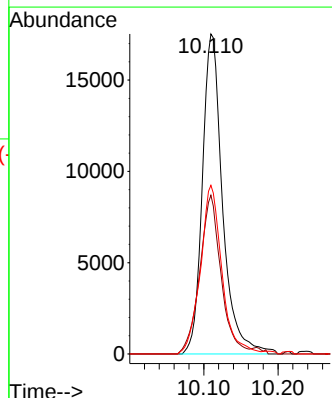
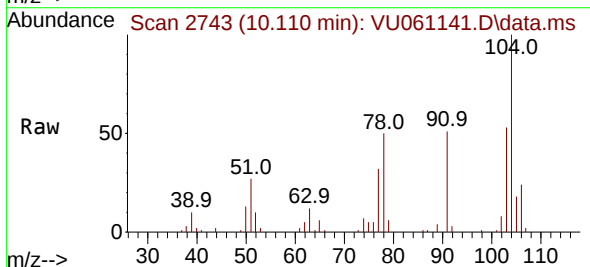
Manual Integrations  
APPROVED

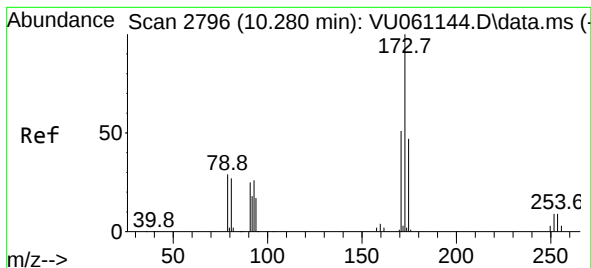
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#66  
Styrene  
Concen: 0.849 ug/l  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion:104 Resp: 33224  
Ion Ratio Lower Upper  
104 100  
78 51.9 41.6 62.4  
103 55.7 45.0 67.6





#67

Bromoform

Concen: 0.820 ug/l

RT: 10.283 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

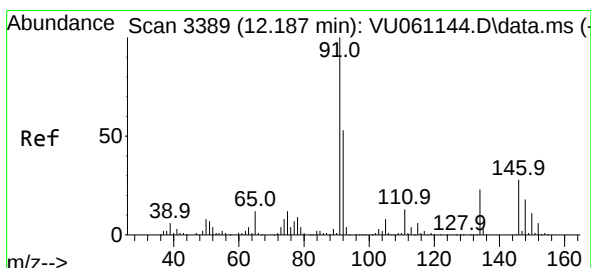
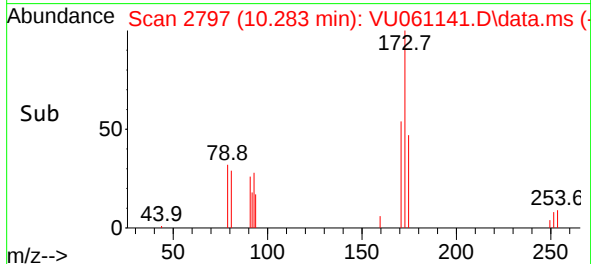
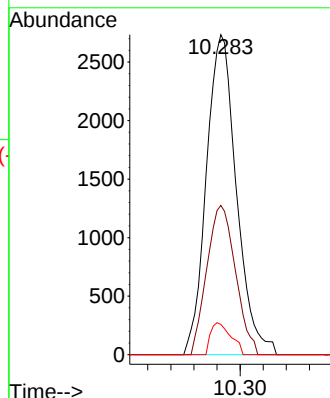
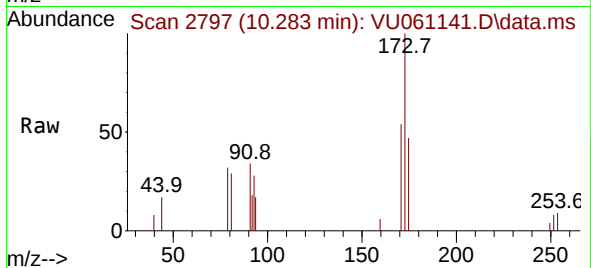
VSTDICC001

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 494  |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 44.3  | 37.8  | 56.8 |
| 254       | 6.7   | 7.0   | 10.4 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#68

1,2-Dichlorobenzene-d4

Concen: 0.946 ug/l

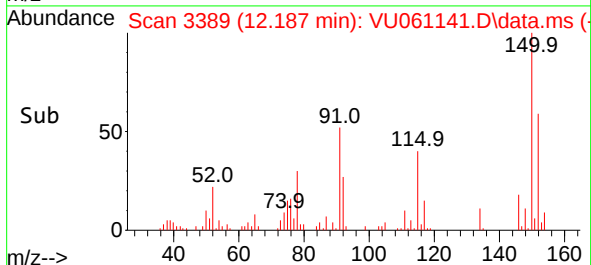
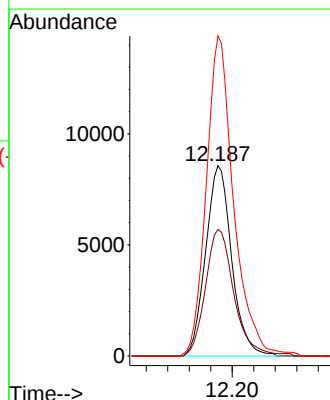
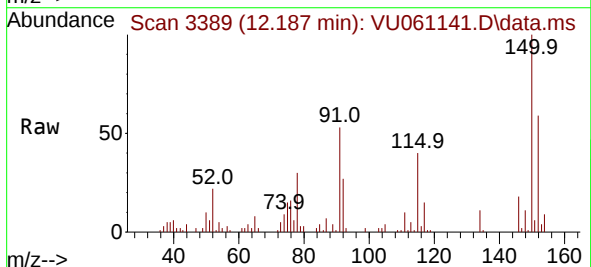
RT: 12.187 min Scan# 3389

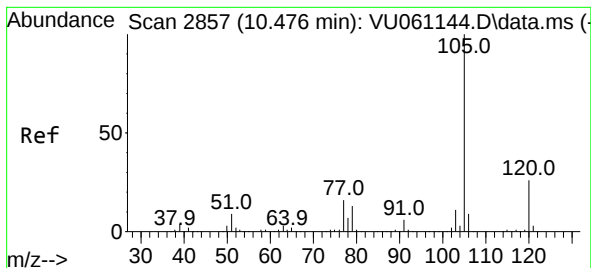
Delta R.T. -0.000 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 14367 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 72.8  | 0.0   | 275.0 |
| 150       | 177.0 | 0.0   | 668.8 |





#69

Isopropylbenzene

Concen: 0.862 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

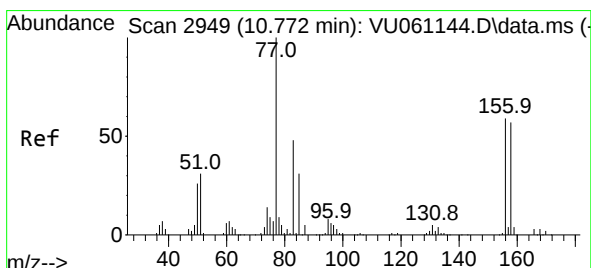
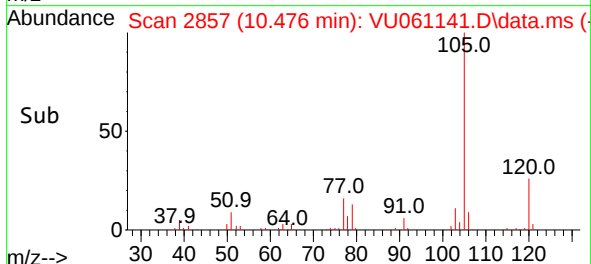
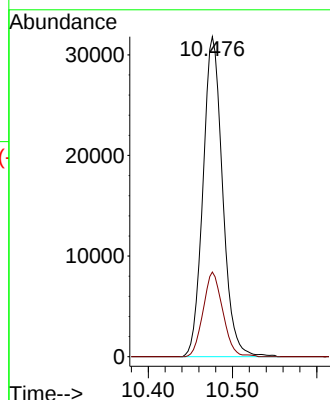
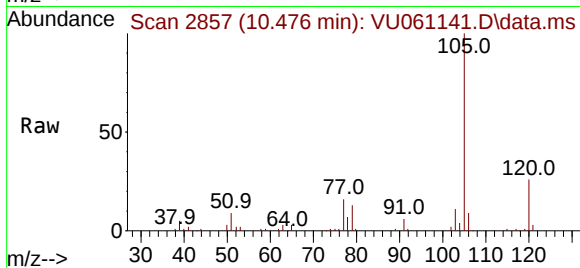
VSTDIC001

Tgt Ion:105 Resp: 51594  
 Ion Ratio Lower Upper  
 105 100  
 120 26.5 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
 Supervised By :Mahesh Dadoda 10/21/2024



#70

1,1,2,2-Tetrachloroethane

Concen: 0.895 ug/l

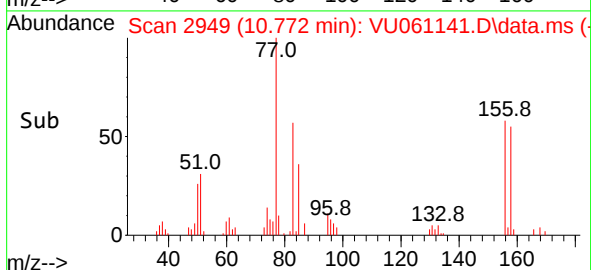
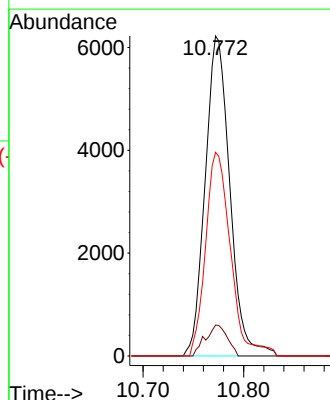
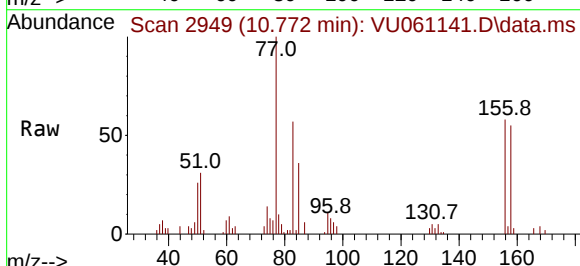
RT: 10.772 min Scan# 2949

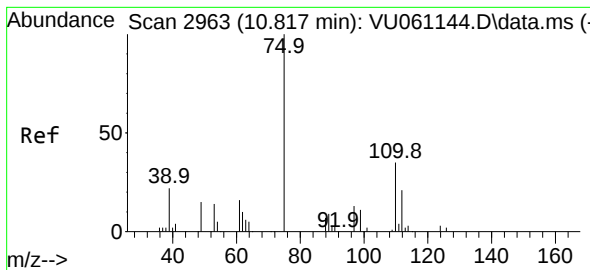
Delta R.T. -0.000 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

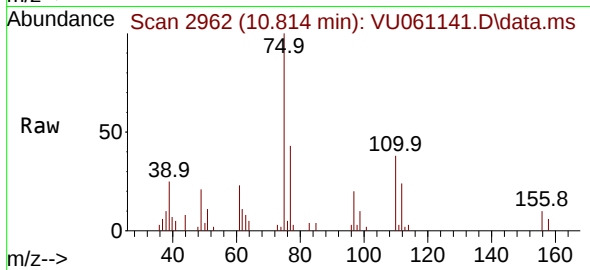
Tgt Ion: 83 Resp: 10603  
 Ion Ratio Lower Upper  
 83 100  
 131 8.5 7.8 11.8  
 85 64.3 50.8 76.2





#71  
1,2,3-Trichloropropane  
Concen: 0.972 ug/l m  
RT: 10.814 min Scan# 2963  
Delta R.T. -0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

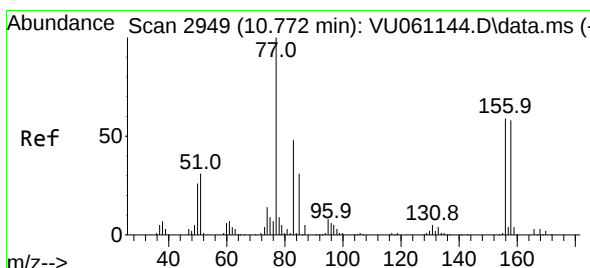
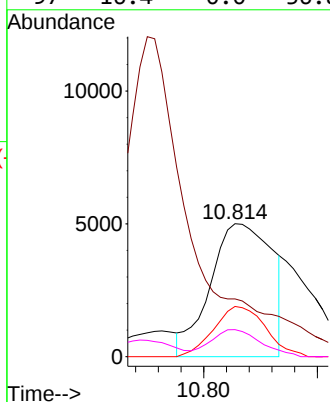
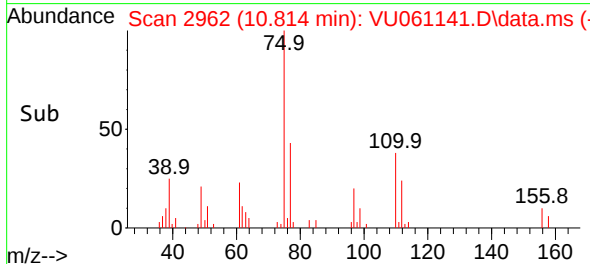
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



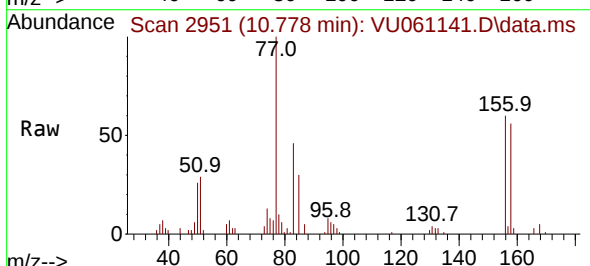
Tgt Ion: 75 Resp: 9458  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0  
110 31.8 0.0 68.6  
97 16.4 0.0 36.8

Manual Integrations  
APPROVED

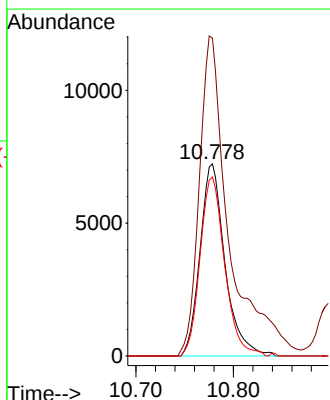
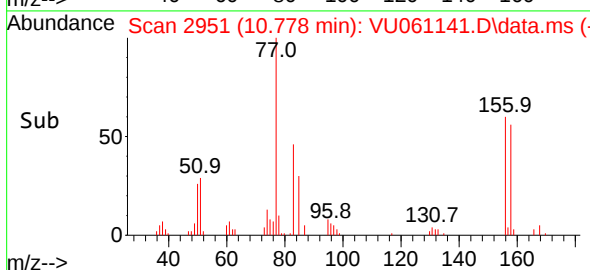
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

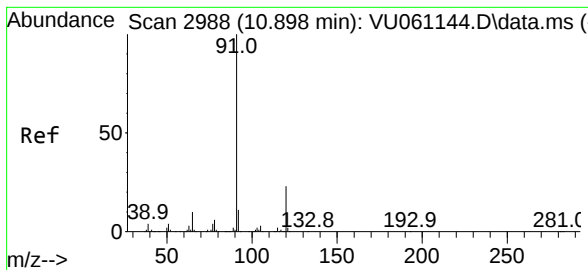


#72  
Bromobenzene  
Concen: 0.896 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



Tgt Ion:156 Resp: 12896  
Ion Ratio Lower Upper  
156 100  
77 197.9 0.0 337.2  
158 91.5 0.0 192.8





#73

n-propylbenzene

Concen: 0.844 ug/l

RT: 10.901 min Scan# 2989

Delta R.T. 0.003 min

Lab File: VU061141.D

Acq: 17 Oct 2024 11:48

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC001

Tgt Ion:120 Resp: 14752

Ion Ratio Lower Upper

120 100

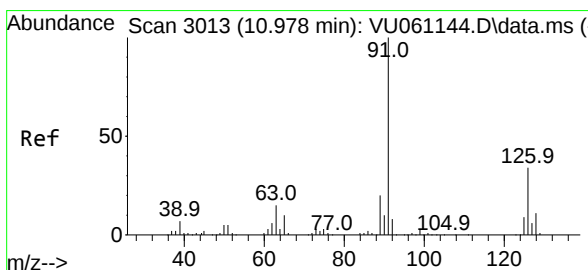
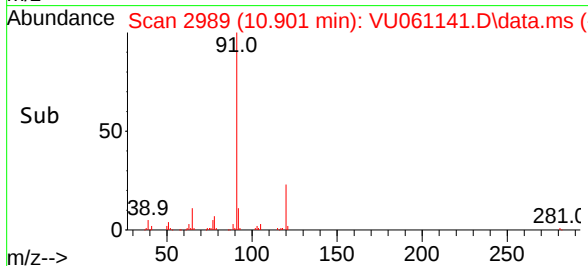
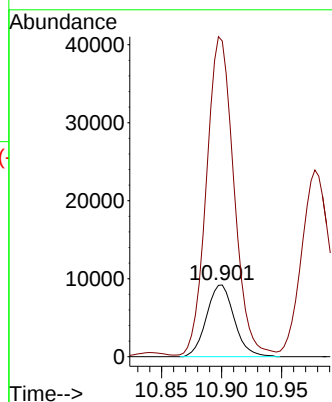
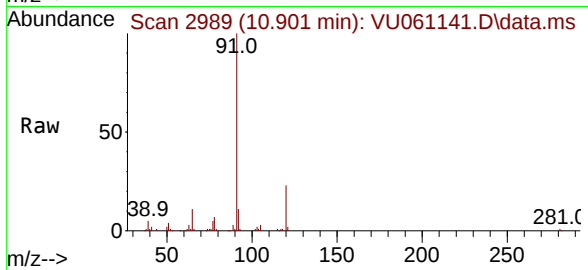
91 439.0 353.6 530.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024

Supervised By :Mahesh Dadoda 10/21/2024



#74

2-Chlorotoluene

Concen: 0.846 ug/l

RT: 10.978 min Scan# 3013

Delta R.T. -0.000 min

Lab File: VU061141.D

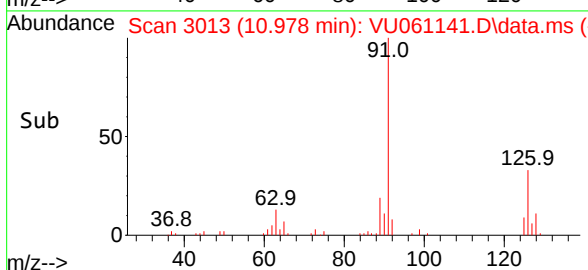
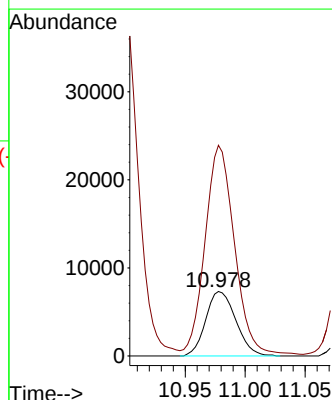
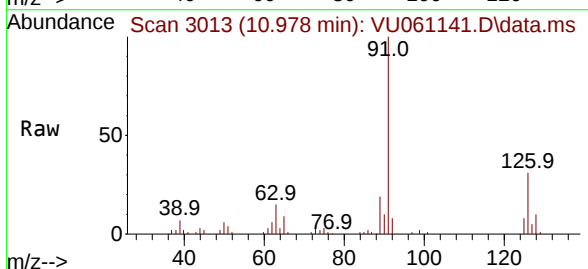
Acq: 17 Oct 2024 11:48

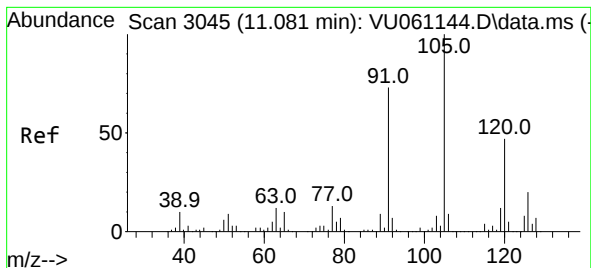
Tgt Ion:126 Resp: 12787

Ion Ratio Lower Upper

126 100

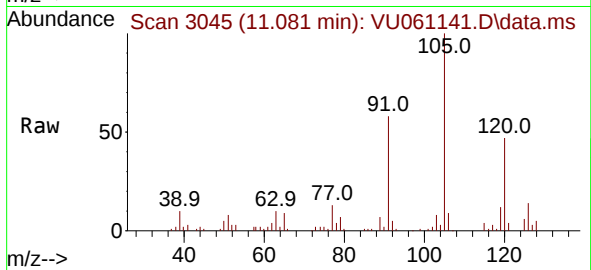
91 314.3 0.0 595.2





#75  
1,3,5-Trimethylbenzene  
Concen: 0.852 ug/l  
RT: 11.081 min Scan# 3045  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

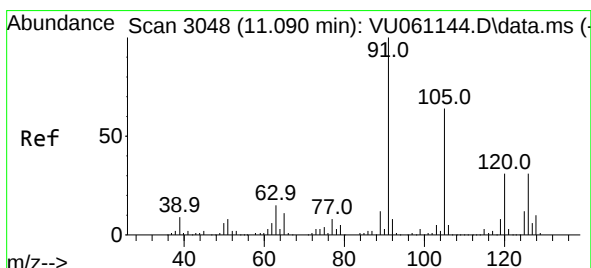
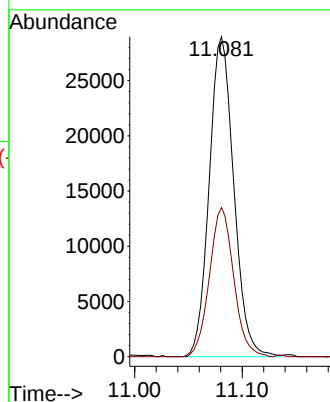
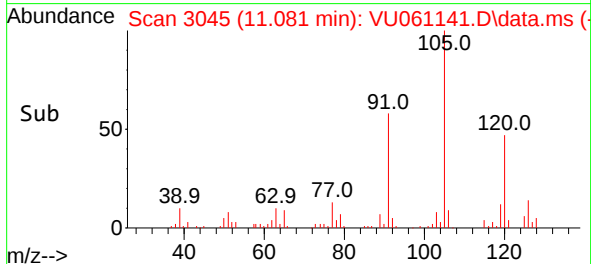
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



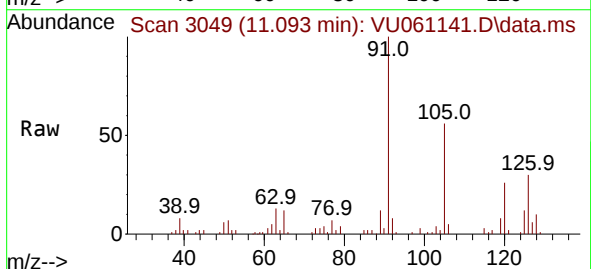
Tgt Ion:105 Resp: 46000  
Ion Ratio Lower Upper  
105 100  
120 46.0 38.0 57.0

Manual Integrations  
APPROVED

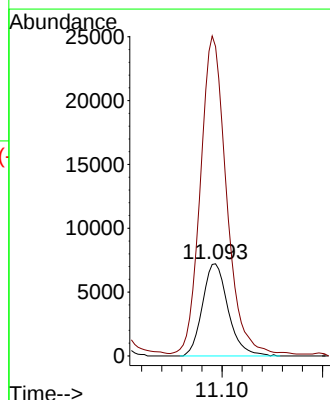
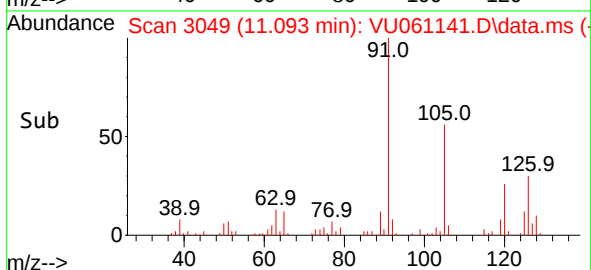
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

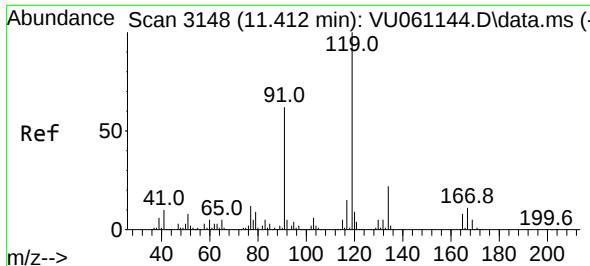


#76  
4-Chlorotoluene  
Concen: 0.834 ug/l  
RT: 11.093 min Scan# 3049  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



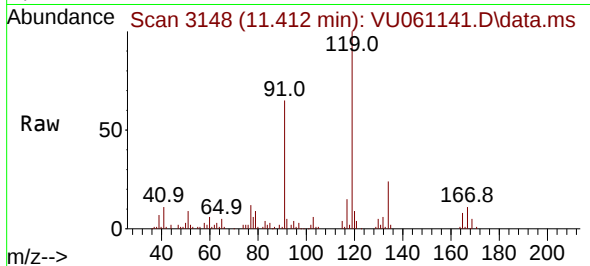
Tgt Ion:126 Resp: 12812  
Ion Ratio Lower Upper  
126 100  
91 348.7 0.0 678.2





#77  
tert-Butylbenzene  
Concen: 0.859 ug/l  
RT: 11.412 min Scan# 3148  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

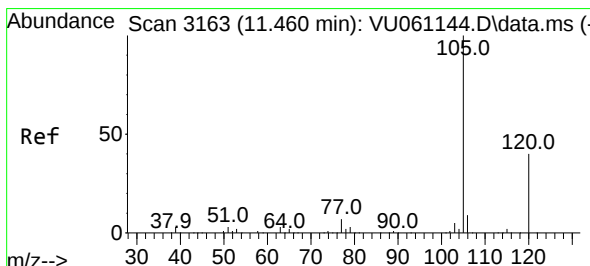
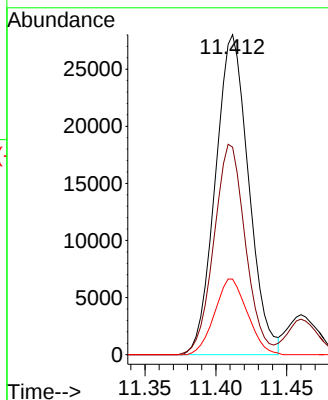
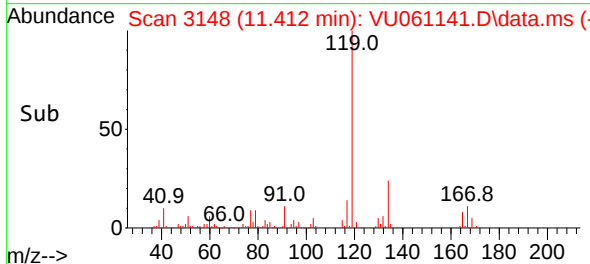
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



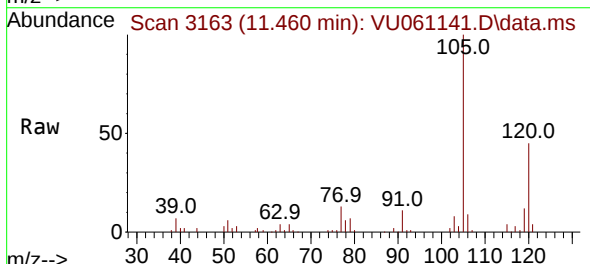
Tgt Ion:119 Resp: 45820  
Ion Ratio Lower Upper  
119 100  
91 62.3 30.1 90.5  
134 23.2 17.5 26.3

Manual Integrations  
APPROVED

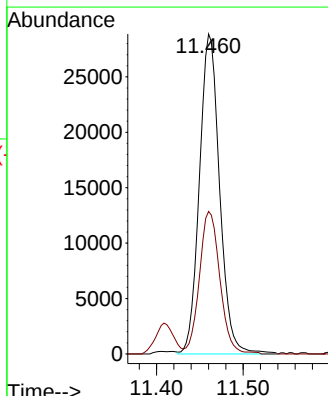
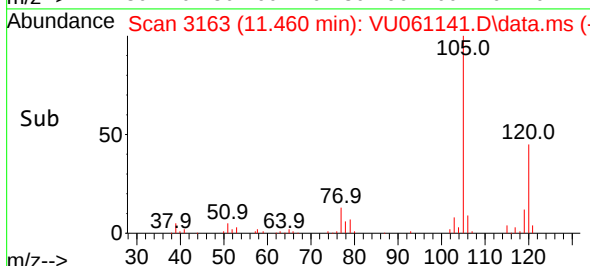
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

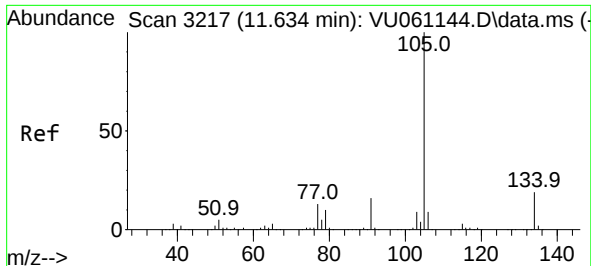


#78  
1,2,4-Trimethylbenzene  
Concen: 0.858 ug/l  
RT: 11.460 min Scan# 3163  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



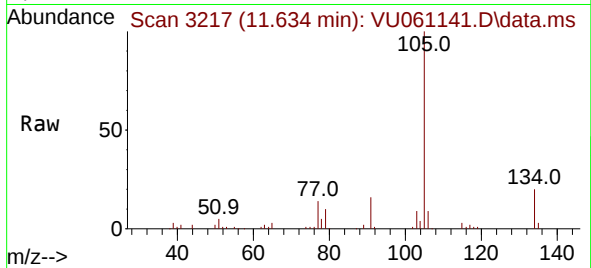
Tgt Ion:105 Resp: 46788  
Ion Ratio Lower Upper  
105 100  
120 45.0 22.3 66.9





#79  
sec-Butylbenzene  
Concen: 0.837 ug/l  
RT: 11.634 min Scan# 3111  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

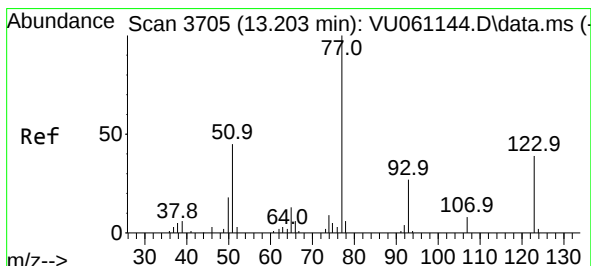
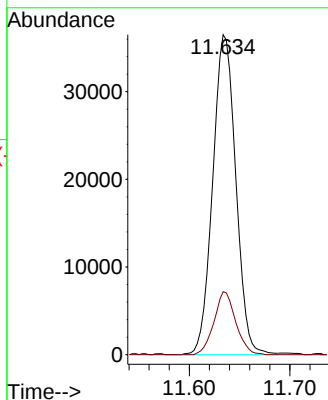
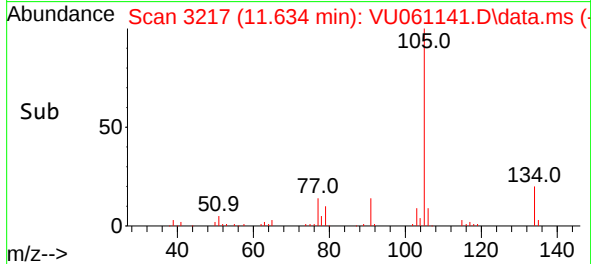
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



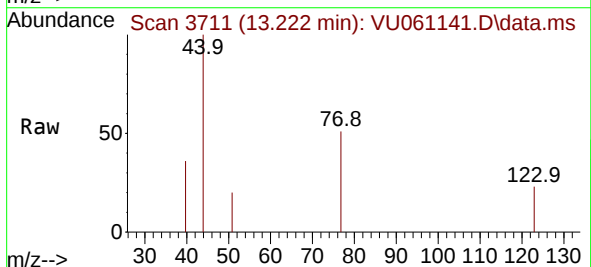
Tgt Ion:105 Resp: 5821  
Ion Ratio Lower Upper  
105 100  
134 18.5 15.5 23.3

Manual Integrations  
APPROVED

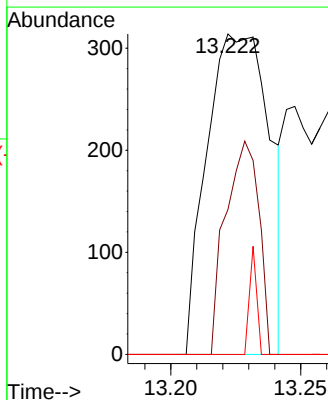
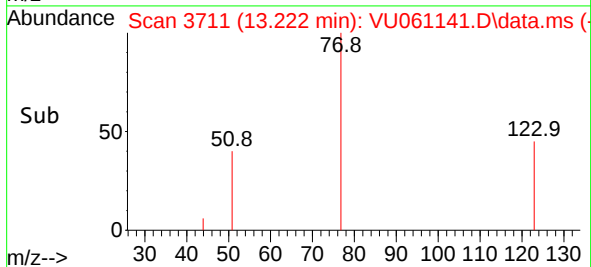
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024

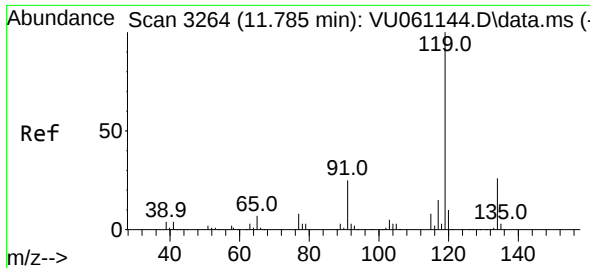


#80  
Nitrobenzene  
Concen: 5.405 ug/l  
RT: 13.222 min Scan# 3711  
Delta R.T. 0.019 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



Tgt Ion: 77 Resp: 527  
Ion Ratio Lower Upper  
77 100  
123 35.3 15.6 55.2  
65 3.8 10.7 13.7#





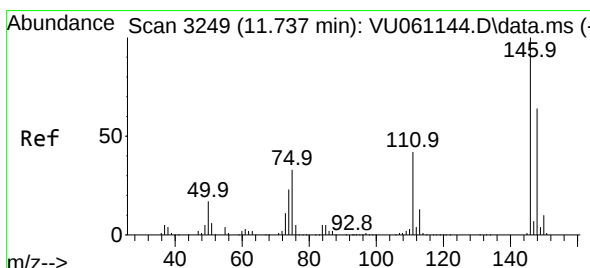
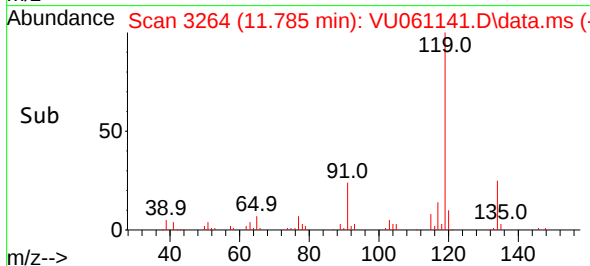
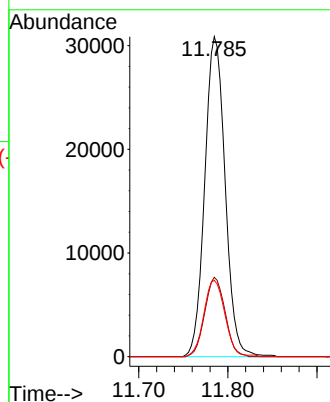
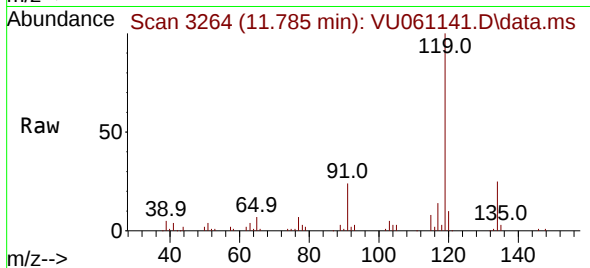
#81  
p-Isopropyltoluene  
Concen: 0.851 ug/l  
RT: 11.785 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001

Tgt Ion:119 Resp: 48940  
Ion Ratio Lower Upper  
119 100  
134 24.6 21.0 31.6  
91 24.6 19.8 29.8

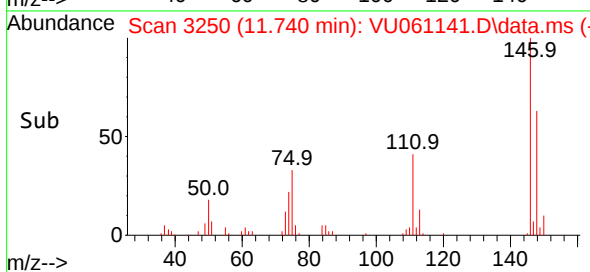
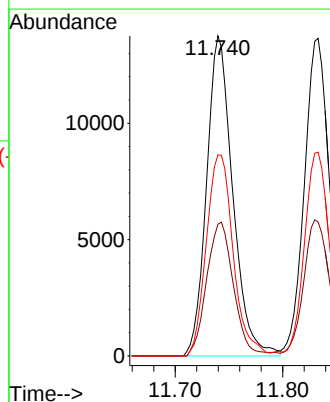
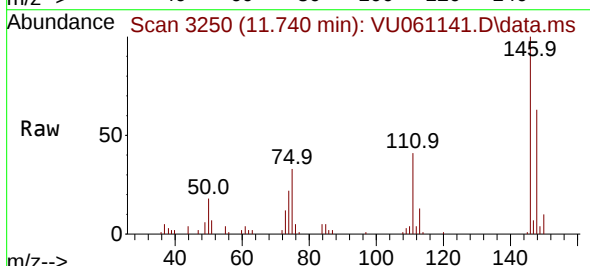
Manual Integrations  
APPROVED

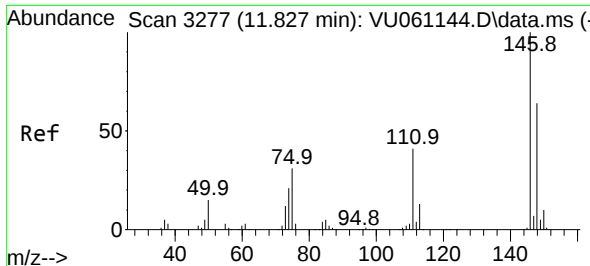
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#82  
1,3-Dichlorobenzene  
Concen: 0.841 ug/l  
RT: 11.740 min Scan# 3250  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Tgt Ion:146 Resp: 23248  
Ion Ratio Lower Upper  
146 100  
111 43.0 34.1 51.1  
148 64.6 51.2 76.8





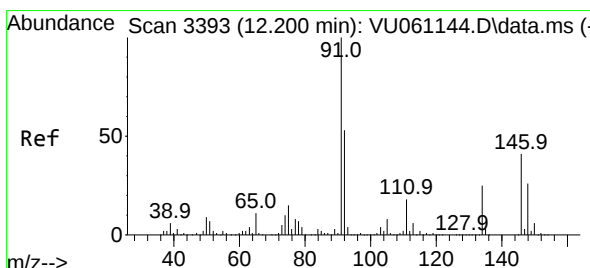
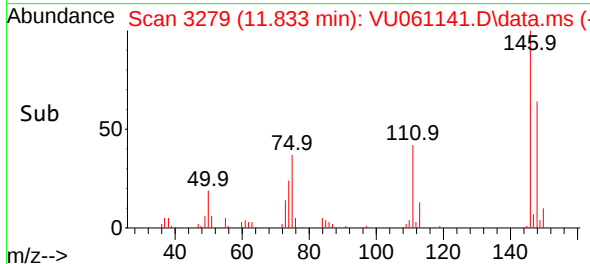
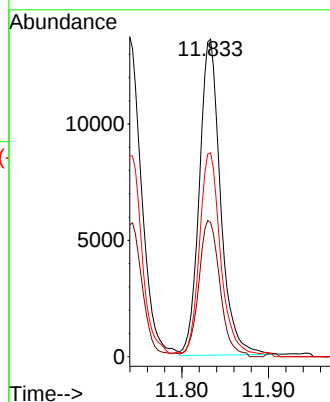
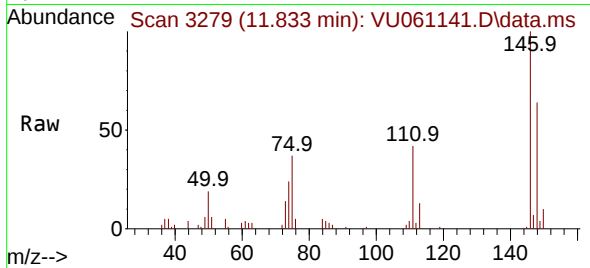
#83  
1,4-Dichlorobenzene  
Concen: 0.837 ug/l  
RT: 11.833 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001

Tgt Ion:146 Resp: 2305  
Ion Ratio Lower Upper  
146 100  
111 43.1 32.1 48.1  
148 63.2 50.3 75.5

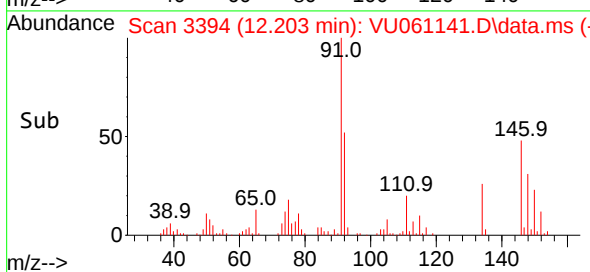
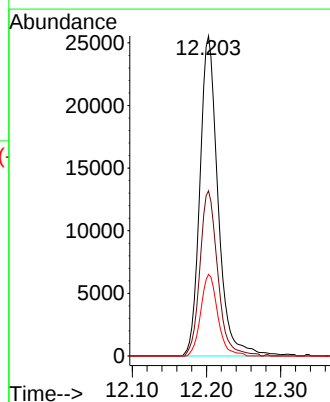
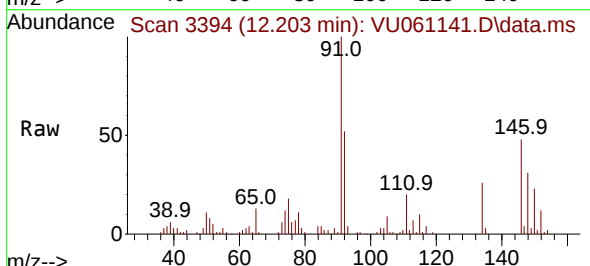
Manual Integrations  
APPROVED

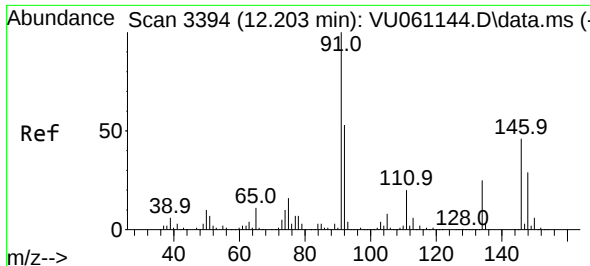
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#84  
n-Butylbenzene  
Concen: 0.813 ug/l  
RT: 12.203 min Scan# 3394  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

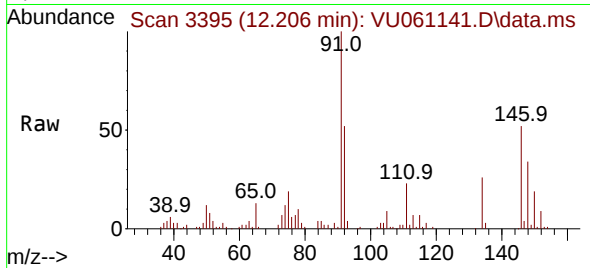
Tgt Ion: 91 Resp: 43414  
Ion Ratio Lower Upper  
91 100  
92 50.6 41.8 62.8  
134 23.8 19.7 29.5





#85  
1,2-Dichlorobenzene  
Concen: 0.875 ug/l  
RT: 12.206 min Scan# 3394  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

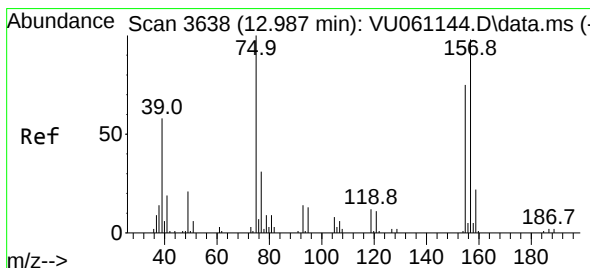
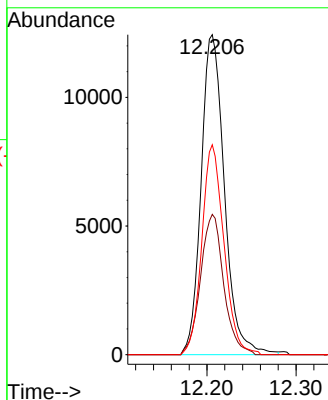
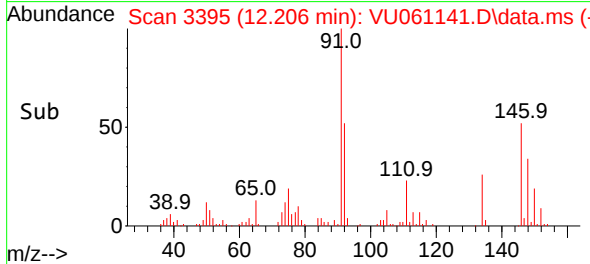
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC001



Tgt Ion:146 Resp: 22610  
Ion Ratio Lower Upper  
146 100  
111 43.6 21.9 65.7  
148 62.3 31.9 95.5

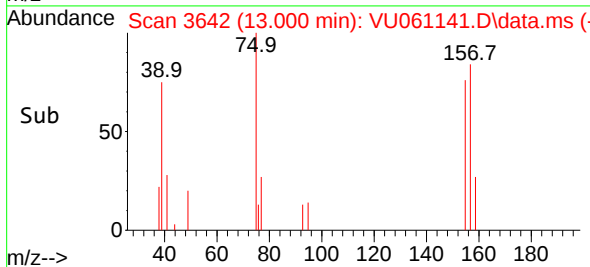
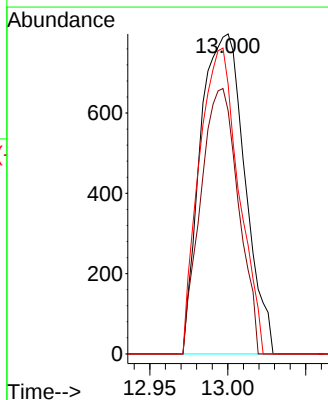
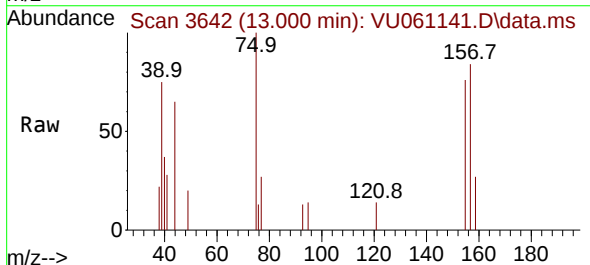
Manual Integrations  
APPROVED

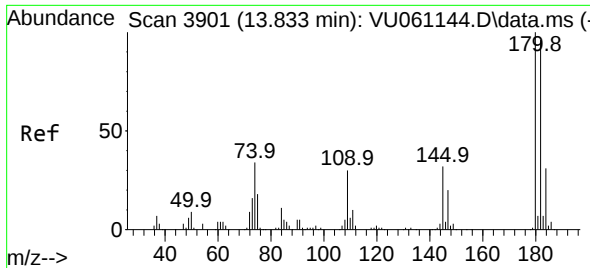
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.896 ug/l  
RT: 13.000 min Scan# 3642  
Delta R.T. 0.013 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

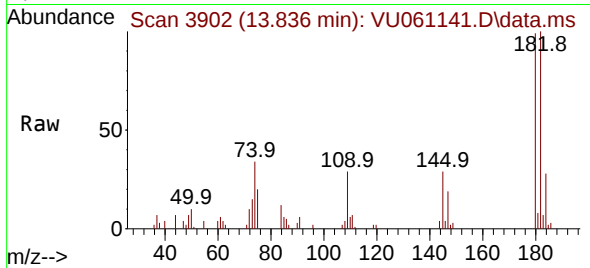
Tgt Ion: 75 Resp: 1576  
Ion Ratio Lower Upper  
75 100  
155 70.6 61.4 92.0  
157 84.8 78.5 117.7





#87  
1,2,4-Trichlorobenzene  
Concen: 0.842 ug/l  
RT: 13.836 min Scan# 3901  
Delta R.T. 0.003 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

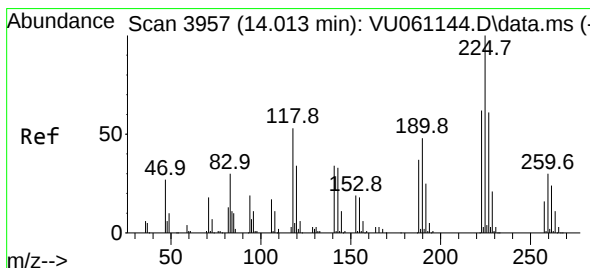
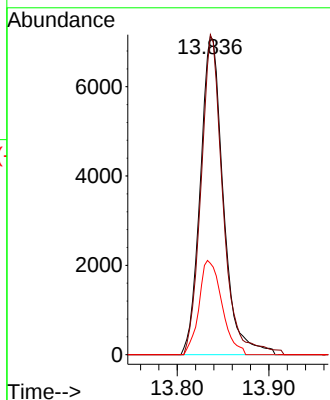
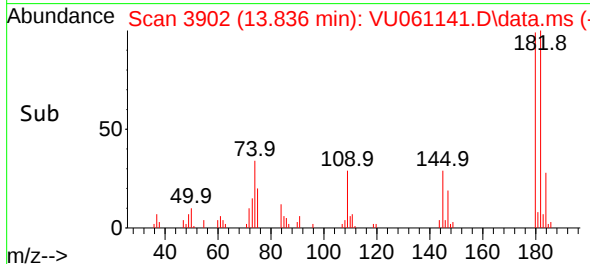
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



Tgt Ion:180 Resp: 1243  
Ion Ratio Lower Upper  
180 100  
182 95.6 77.0 115.6  
145 29.4 25.7 38.5

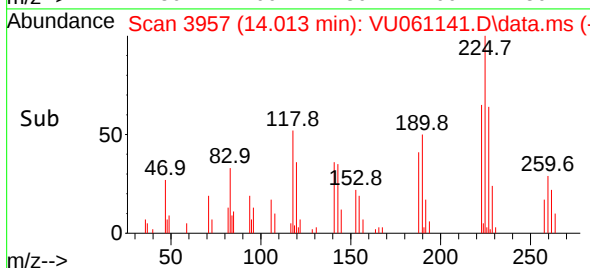
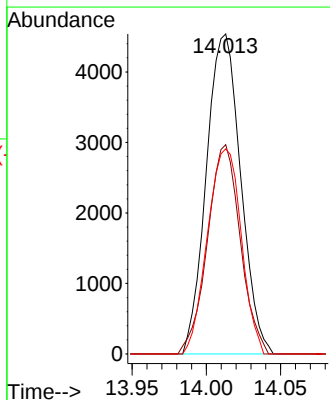
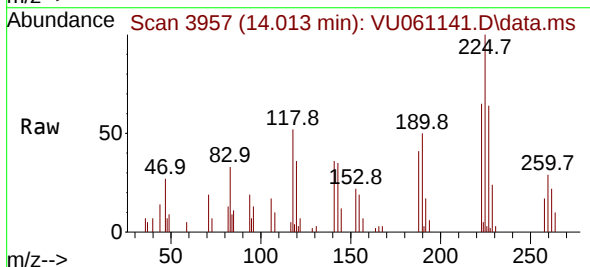
Manual Integrations  
APPROVED

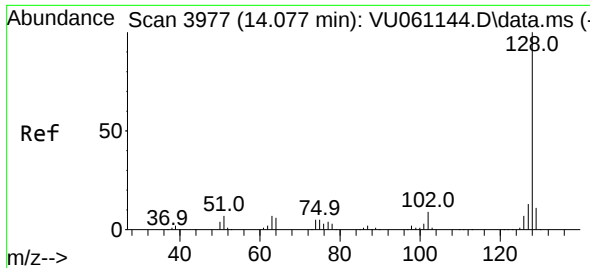
Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#88  
Hexachlorobutadiene  
Concen: 0.875 ug/l  
RT: 14.013 min Scan# 3957  
Delta R.T. -0.000 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

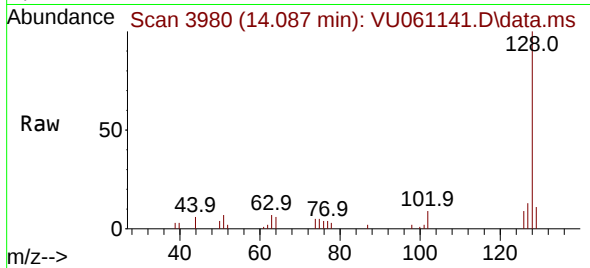
Tgt Ion:225 Resp: 7306  
Ion Ratio Lower Upper  
225 100  
223 62.5 51.4 77.2  
227 63.0 50.3 75.5





#89  
Naphthalene  
Concen: 0.820 ug/l  
RT: 14.087 min Scan# 3977  
Delta R.T. 0.009 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48

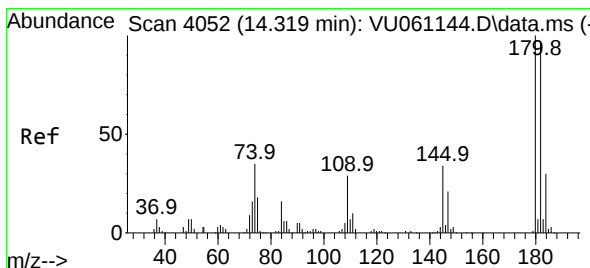
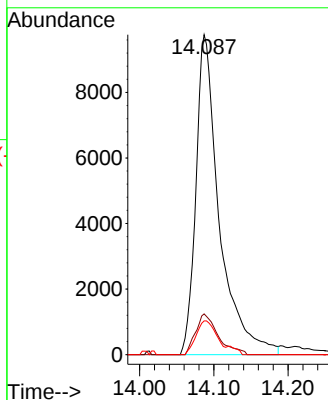
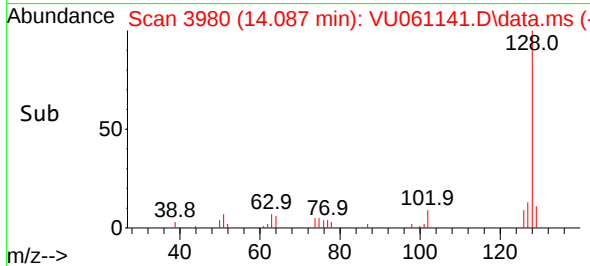
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC001



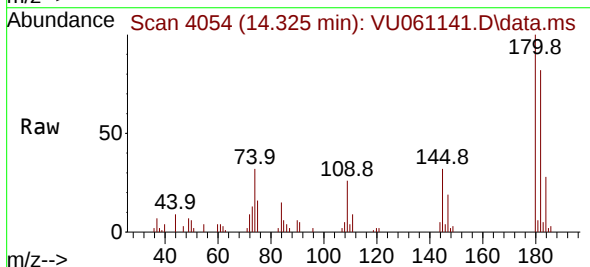
Tgt Ion:128 Resp: 2138  
Ion Ratio Lower Upper  
128 100  
127 12.2 10.6 16.0  
129 9.2 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024  
Supervised By :Mahesh Dadoda 10/21/2024



#90  
1,2,3-Trichlorobenzene  
Concen: 0.892 ug/l  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.006 min  
Lab File: VU061141.D  
Acq: 17 Oct 2024 11:48



Tgt Ion:180 Resp: 11832  
Ion Ratio Lower Upper  
180 100  
182 89.4 76.2 114.4  
145 31.7 26.8 40.2

