Key Unknown #34

$C_8H_9NO_2$ (D.U. = 5)

0-H stretch
N-H stretch
C=O stretch

Para, although looks like could also be meta; see NMR
Key Unknown #34

\[
\text{C}_8\text{H}_9\text{NO}_2
\]

Para pattern

\( a \), note how at 2 ppm, next to carbonyl carbon

\( b \) and \( c \) tough to tell apart

Impurity

0.90, 0.01