The figure illustrates the absorbance spectra of two different species, C. curvatus and R. toruloides, over a period of time from 0 H to 168 H. The spectra are overlaid to show changes in absorbance over time, with specific features labeled to indicate changes in acyl chains, amide I and II, wall sugars, and phosphates.

For C. curvatus (A), absorbance peaks are observed at various wavenumbers, with labels indicating changes in the spectrum over time. The peaks at approximately 2900 cm⁻¹ are labeled as CH₂/CH₃, indicating fatty acid methyl carbons. Absorbance bands at 1700 cm⁻¹ are labeled as C=O, indicating esters. Amide I and II bands are also visible at around 1600 cm⁻¹ and 1550 cm⁻¹, respectively.

For R. toruloides (B), similar absorbance peaks and bands are observed, with additional peaks at 2800 cm⁻¹ labeled as CH₂/CH₃, possibly indicating differences in the lipid composition compared to C. curvatus.

The absorbance values are plotted against wavenumber (cm⁻¹) on the x-axis, with absorbance on the y-axis, showing how spectral features change over time.