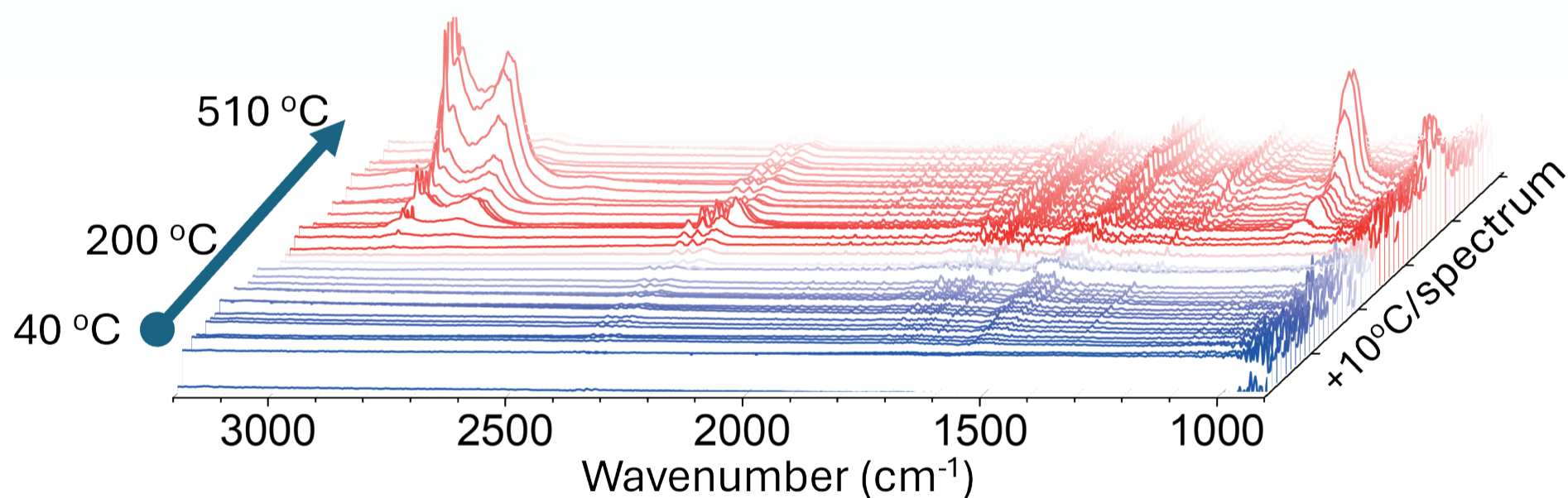
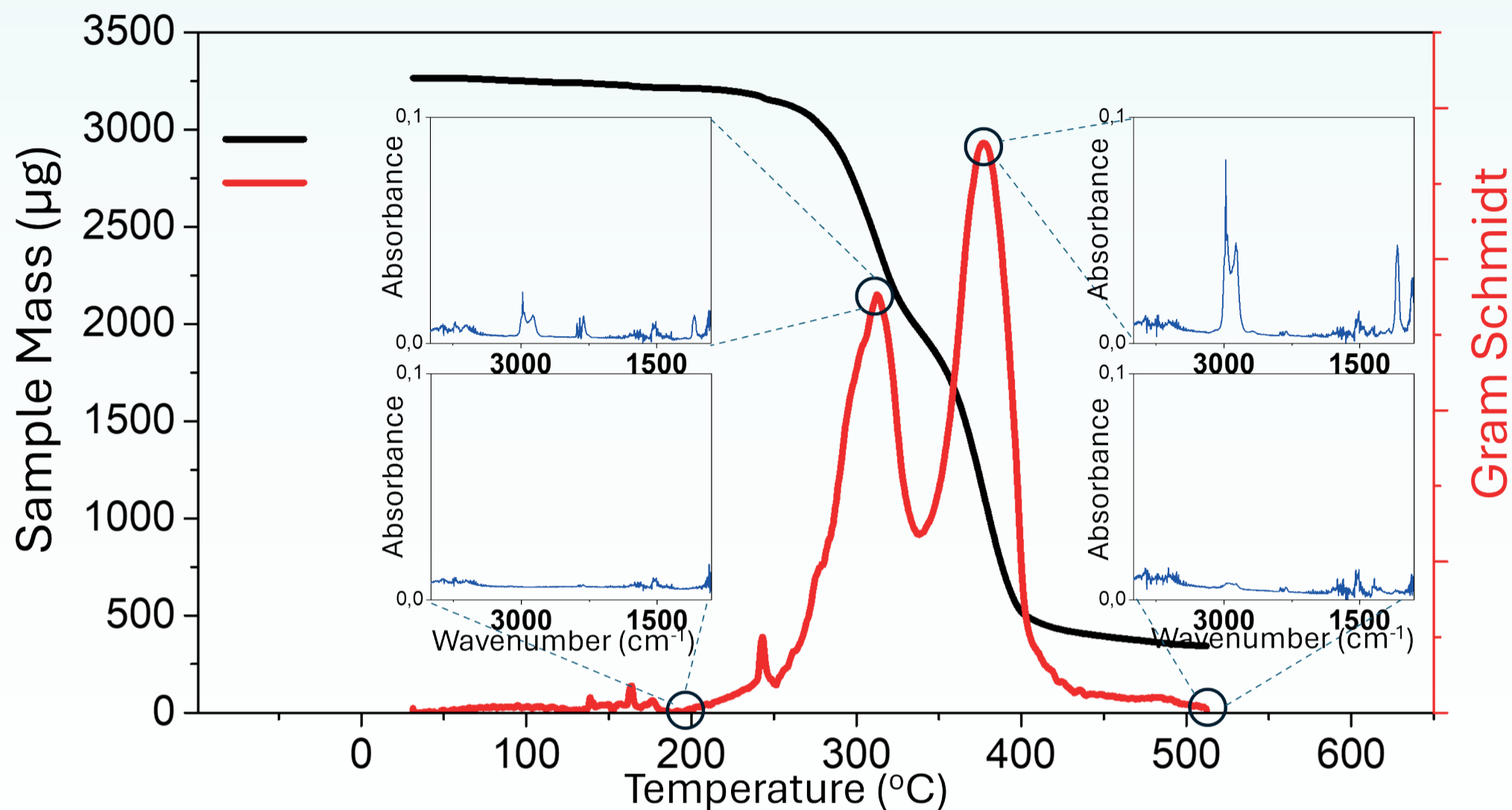


TGA IR Application Note 1

Thermoplastic Polyurethane



SPECSON
INSTRUMENTS



TGA-FTIR Analysis of Thermoplastic Polyurethane.

In this analysis, sample in TGA furnace is gradually heated up to 510°C with 10°C/min heating rate. (Hitachi STA 7300 TGA) Evolved gas is transferred to the IR cell with N₂ carrier gas at 50 sccm constant flow rate. (Specson TGA-IR Interface) Series of IR spectra were recorded with 4 cm⁻¹ resolution and scan number of 40. (Shimadzu IRAffinity-1 FTIR). Each spectrum takes 60 seconds and represents for +10°C increments.