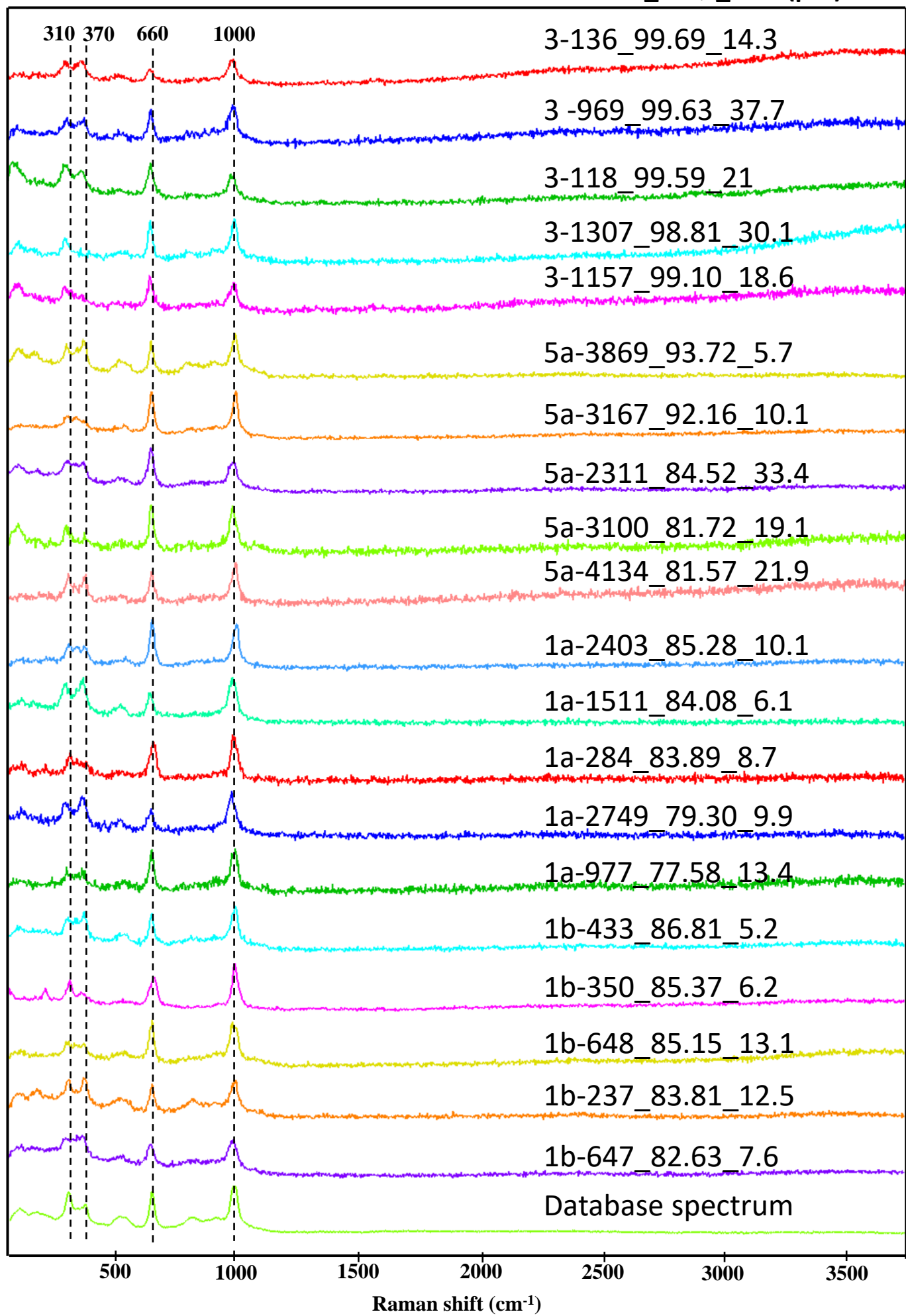


# Representative Raman Spectra (Unprocessed) for Various Phases in the CE-5 Soil

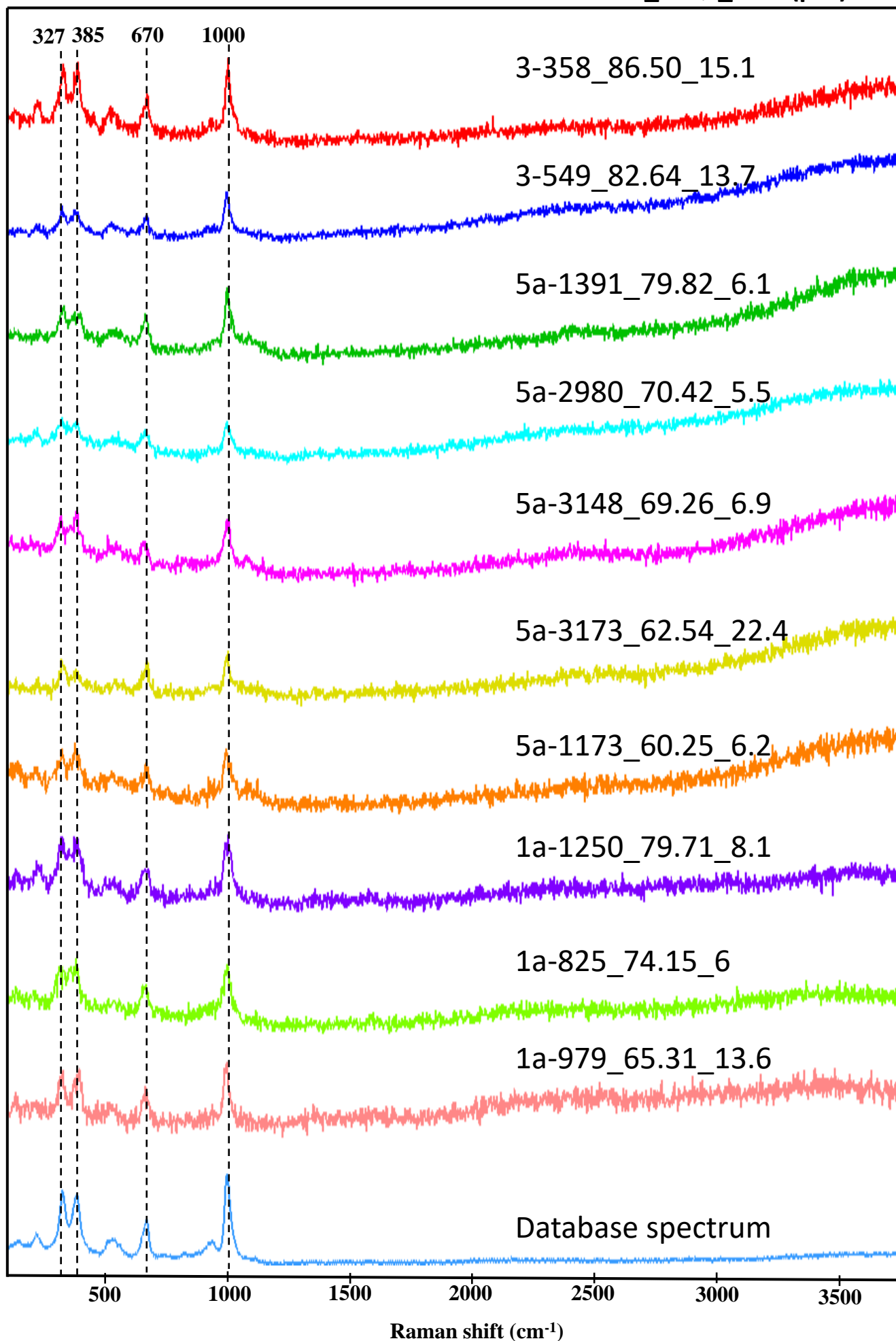
# Clinopyroxene

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )



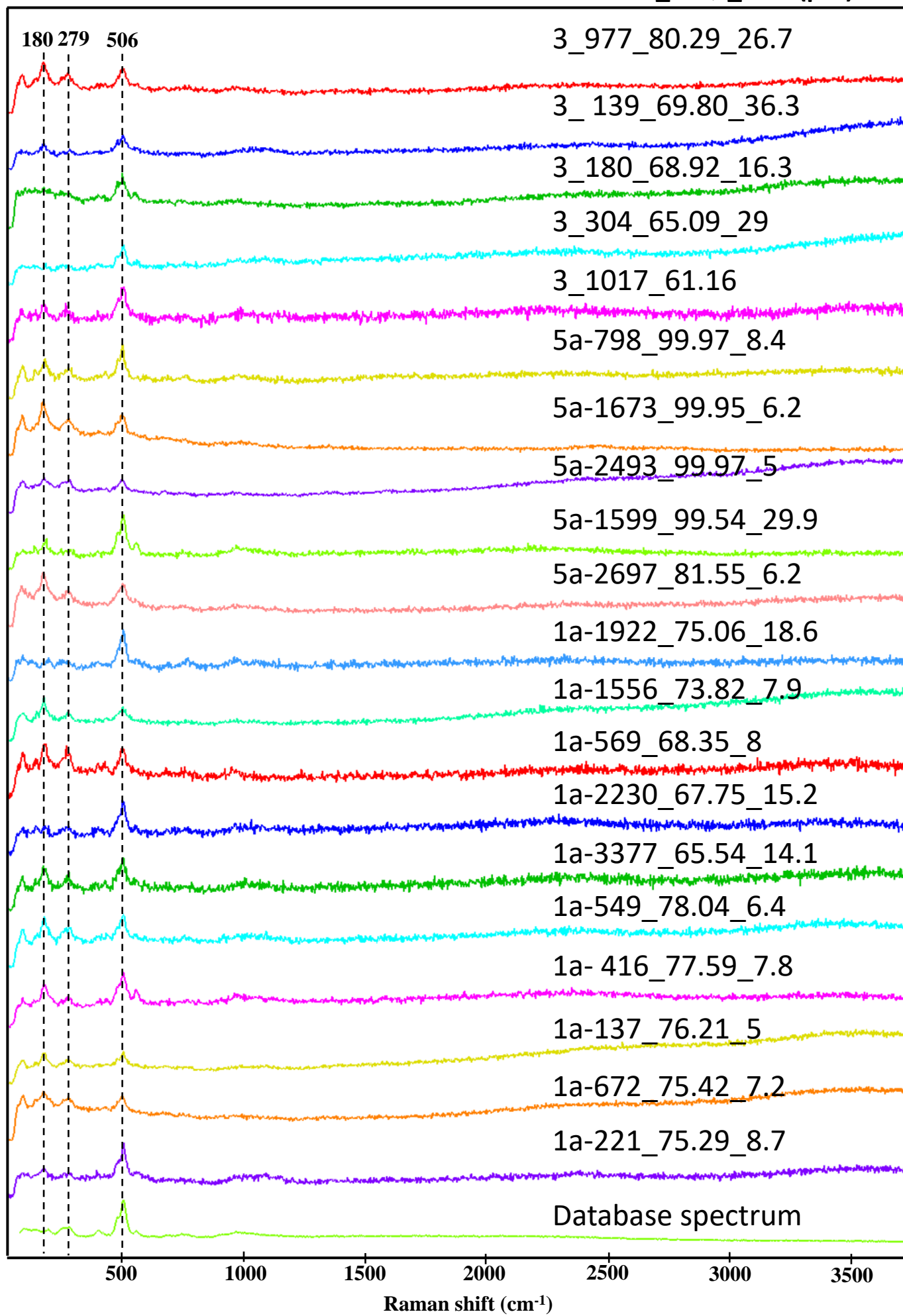
# Orthopyroxene

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )



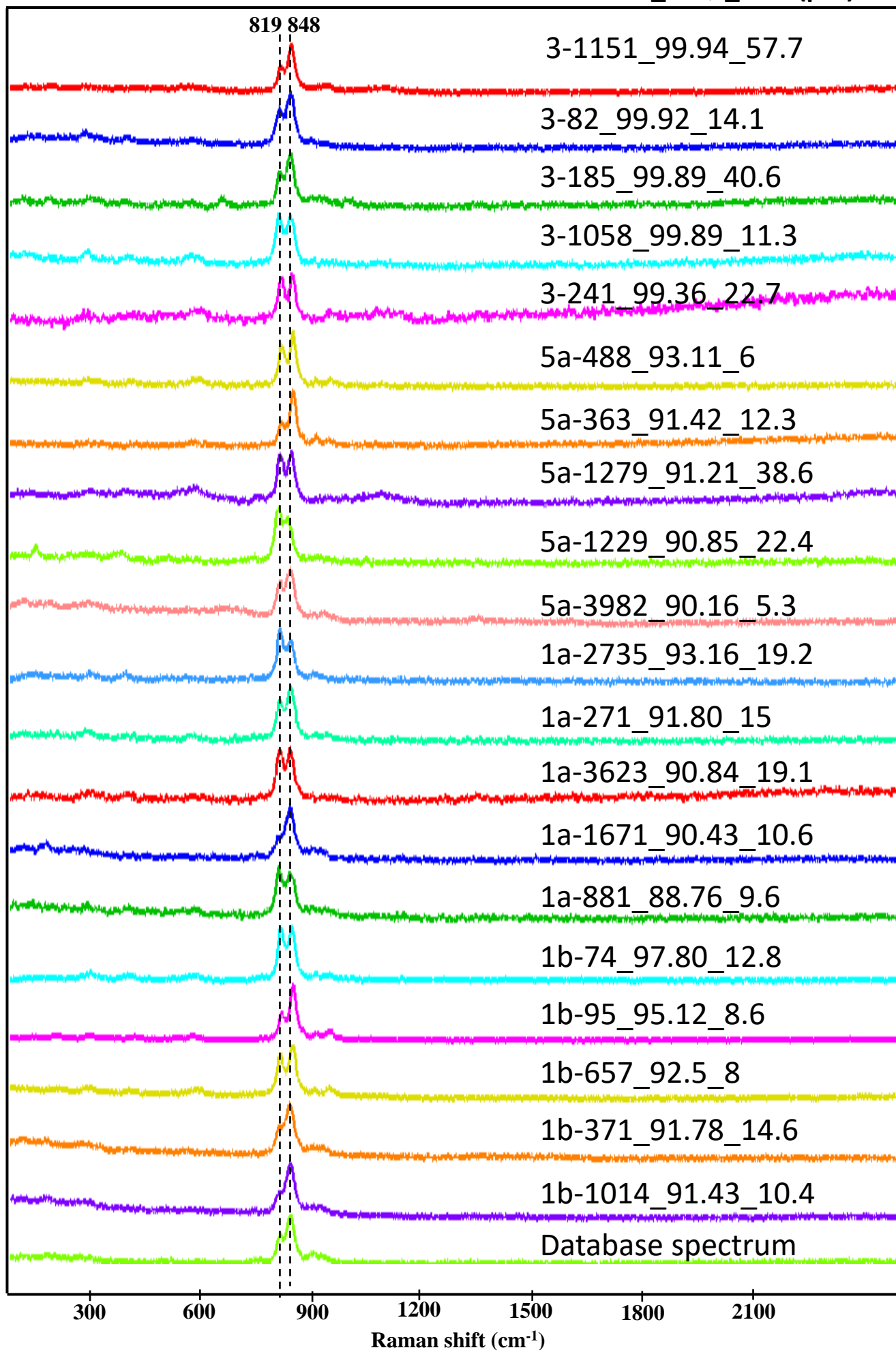
# Plagioclase

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )



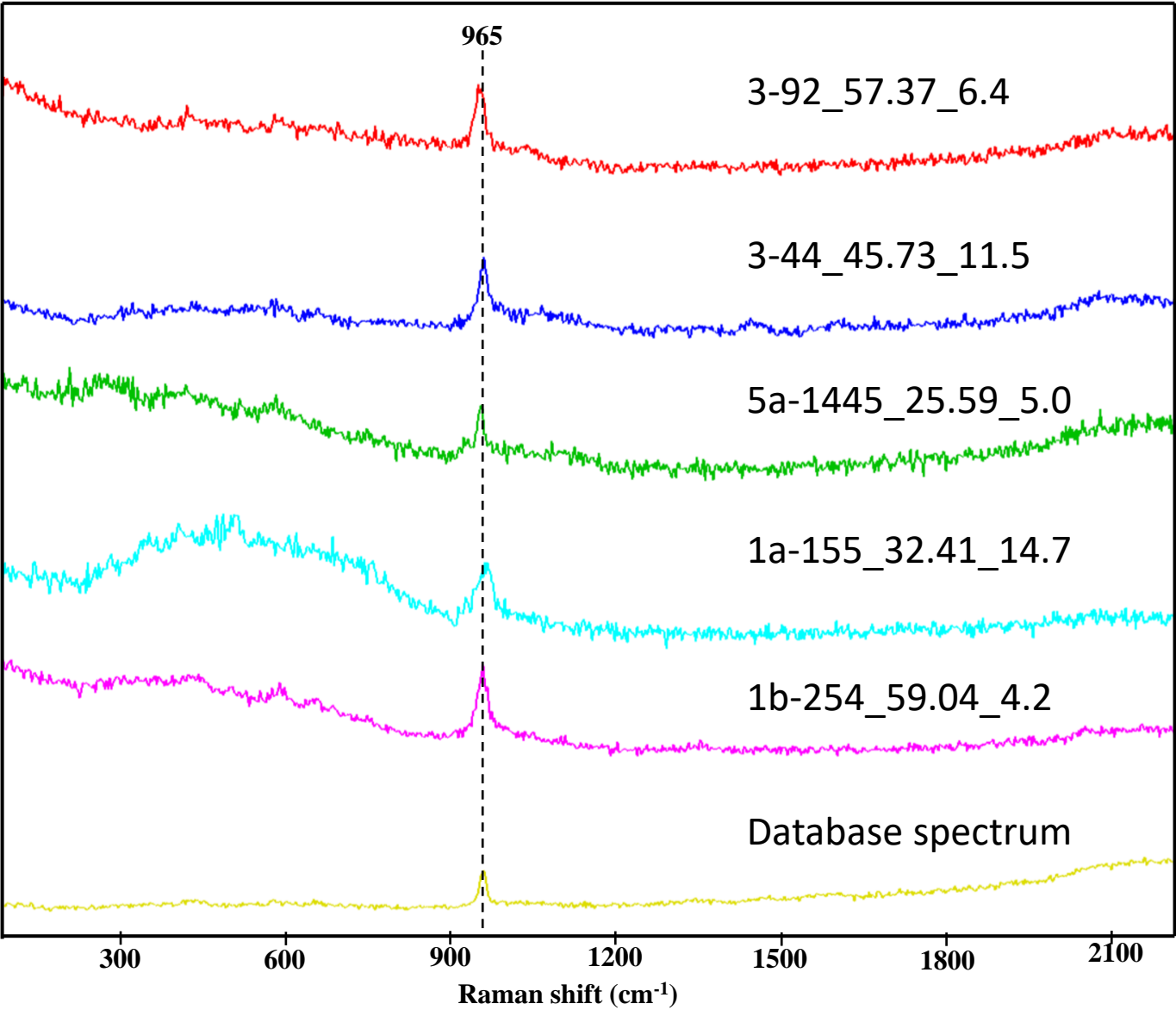
# Olivine

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )



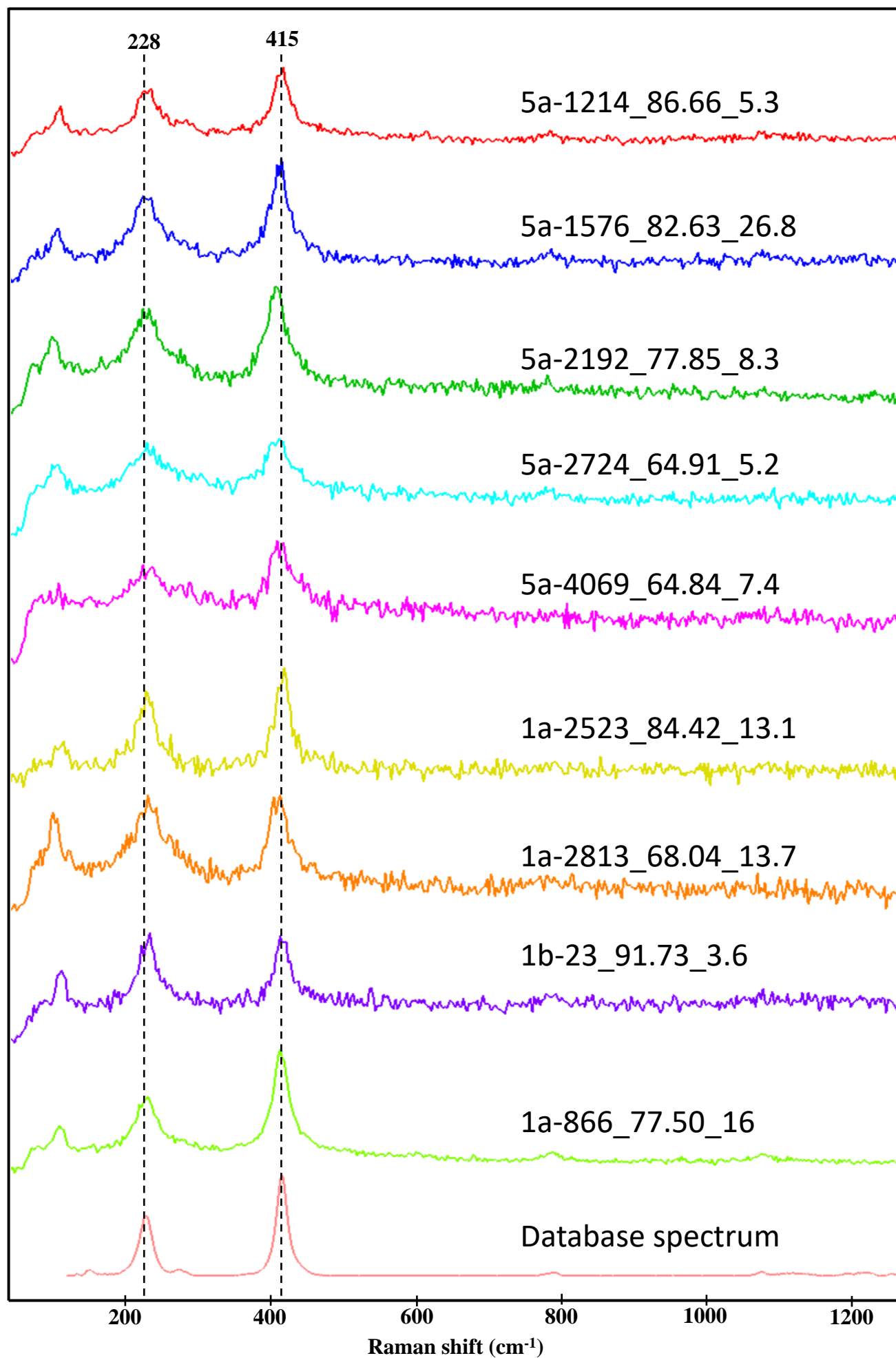
# Apatite

Particle No.\_ HQI \_ size (μm)



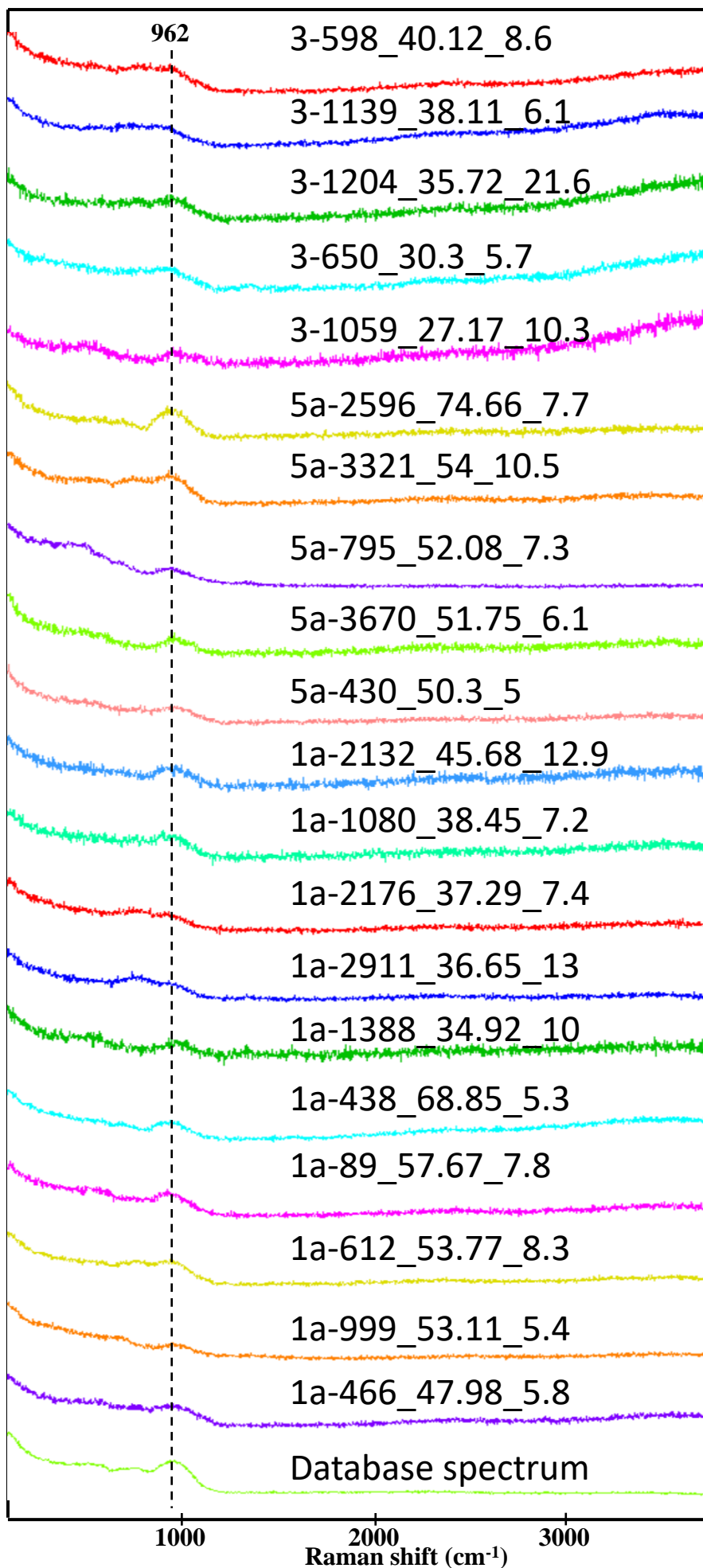
# Cristobalite

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )



# Glass

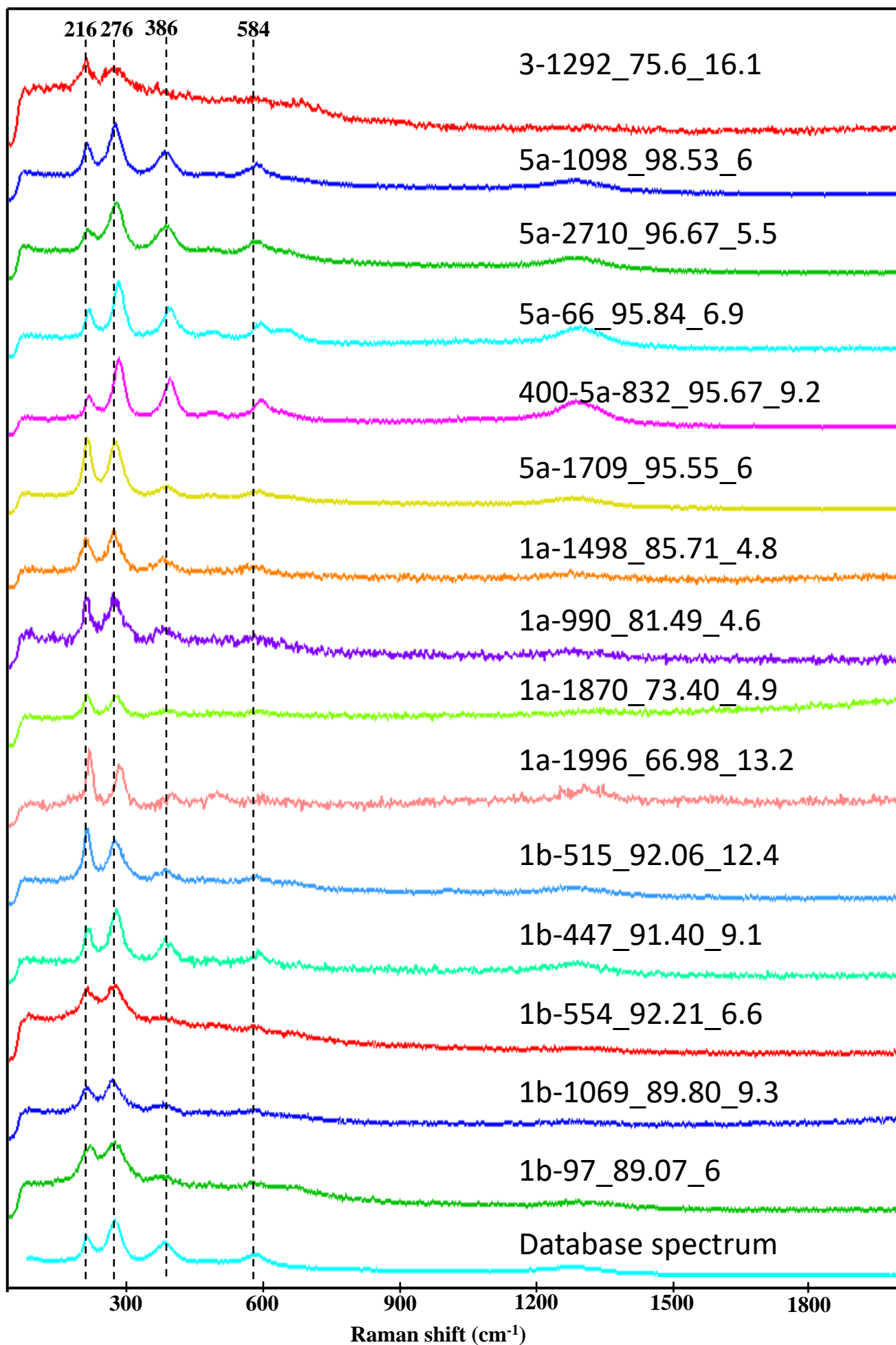
Particle No. \_ HQI \_ size ( $\mu\text{m}$ )





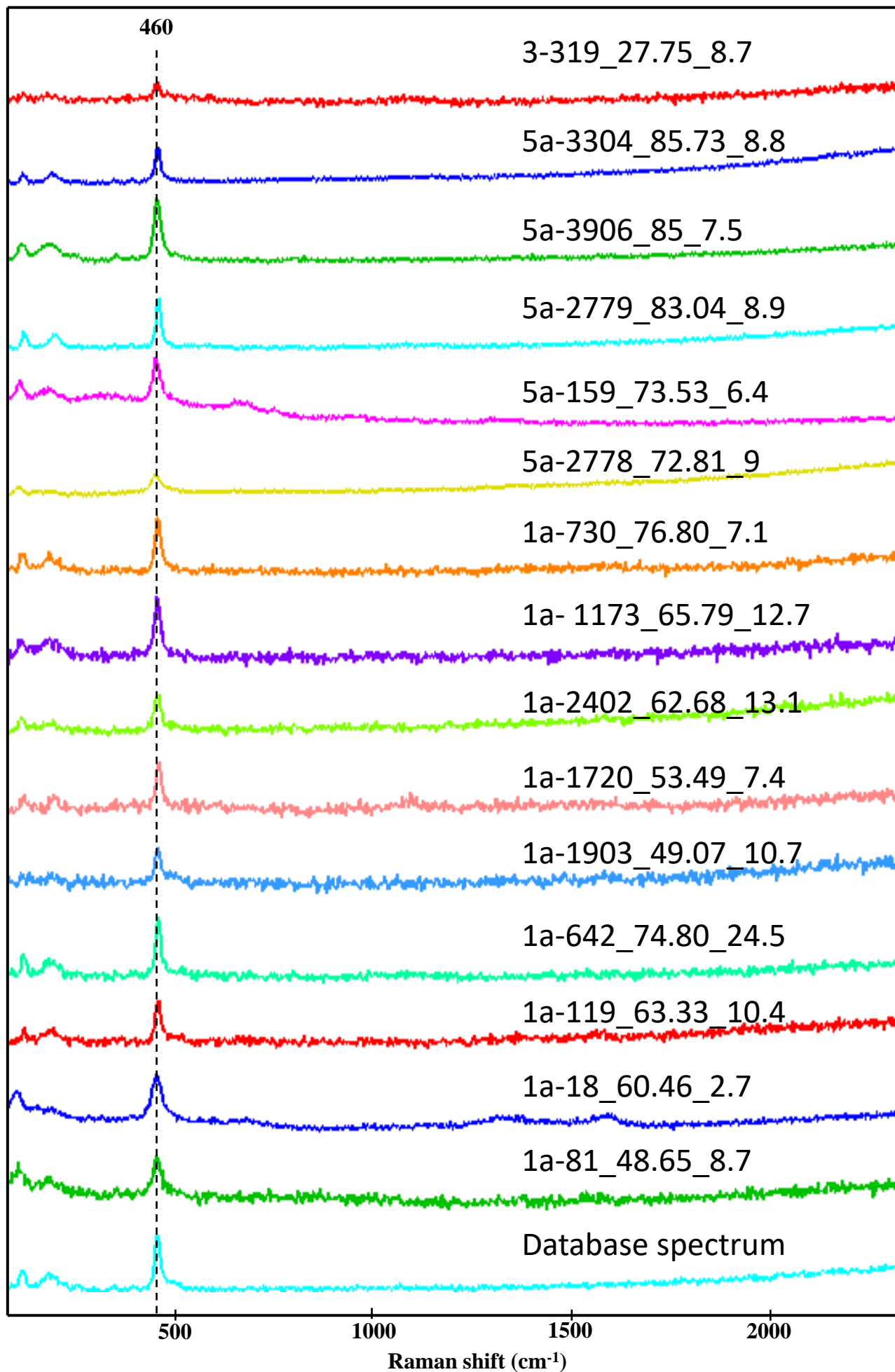
# Ulvöspinel

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )



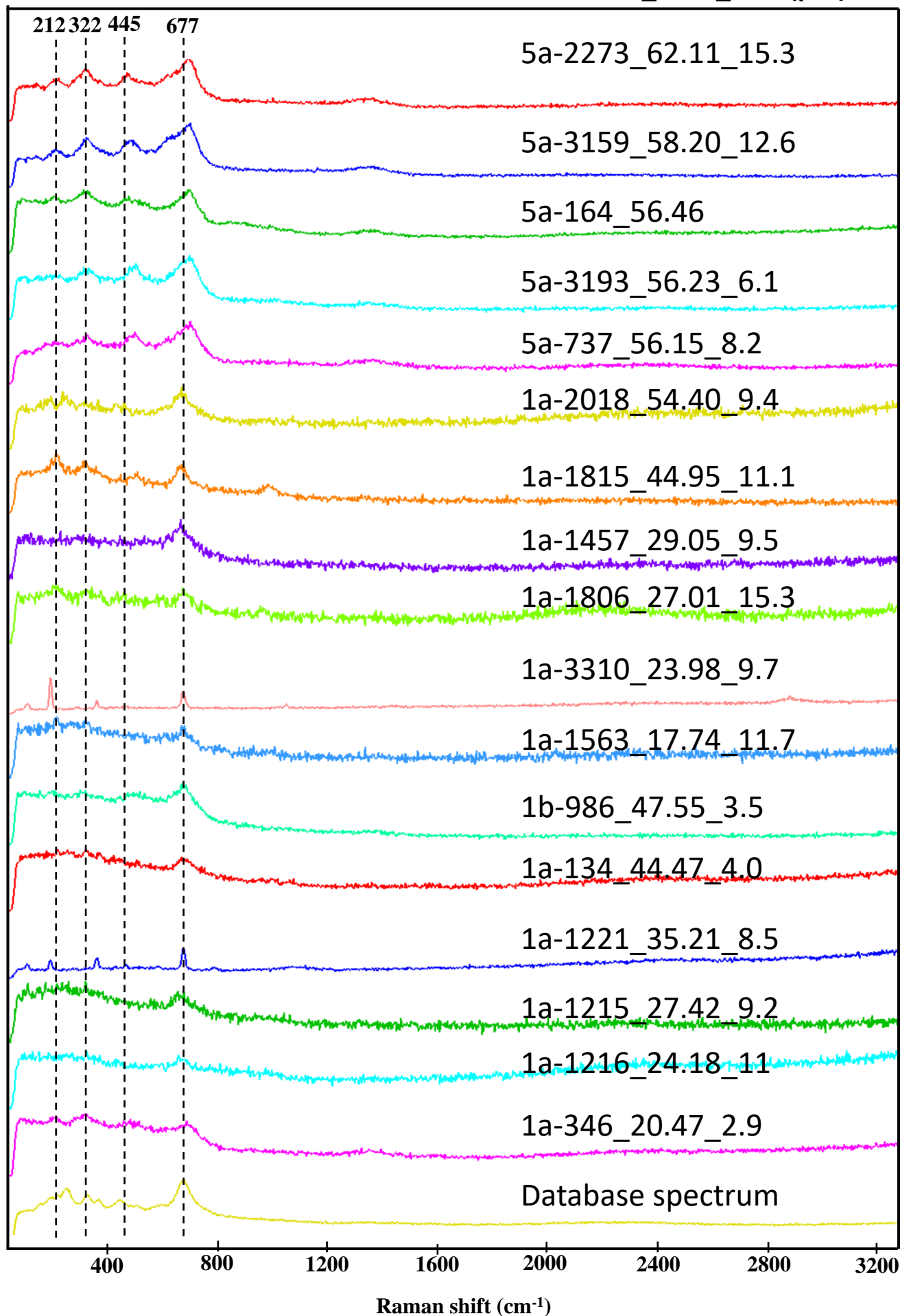
# Quartz

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )



# Ilmenite

Particle No. \_ HQL \_ size ( $\mu\text{m}$ )



# Merrillite

Particle No. \_ HQI \_ size ( $\mu\text{m}$ )

