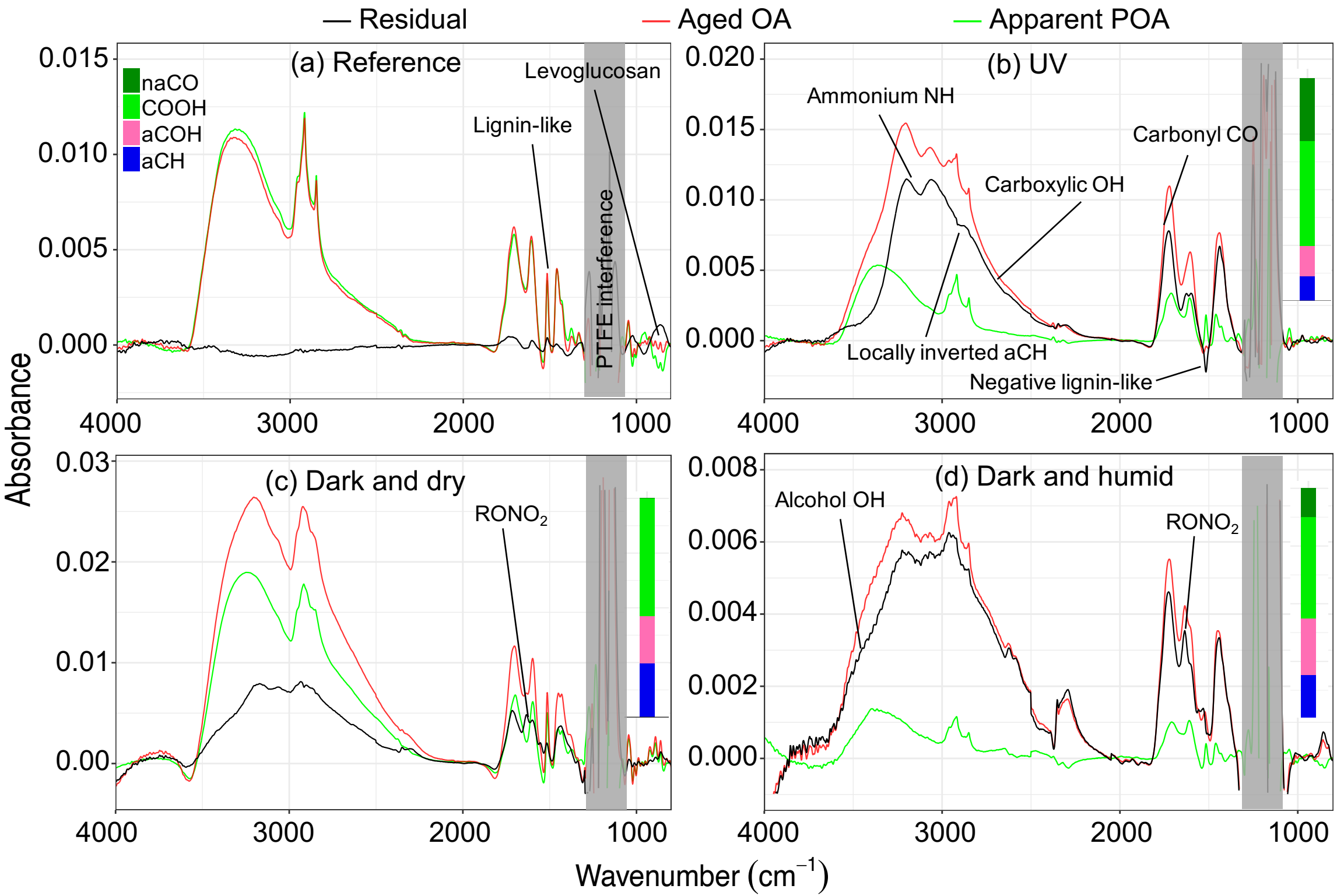
Residual
Aged OA
Apparent POA
(a) Reference
naCO
COOH
aCOH
aCH
Levoglucosan
Lignin-like
PTFE interference
(b) UV
Ammonium NH
Carbonyl CO
Carboxylic OH
Locally inverted aCH
Negative lignin-like
(c) Dark and dry
RONO2
(d) Dark and humid
Alcohol OH
RONO2
Absorbance
Wavenumber (cm−1)