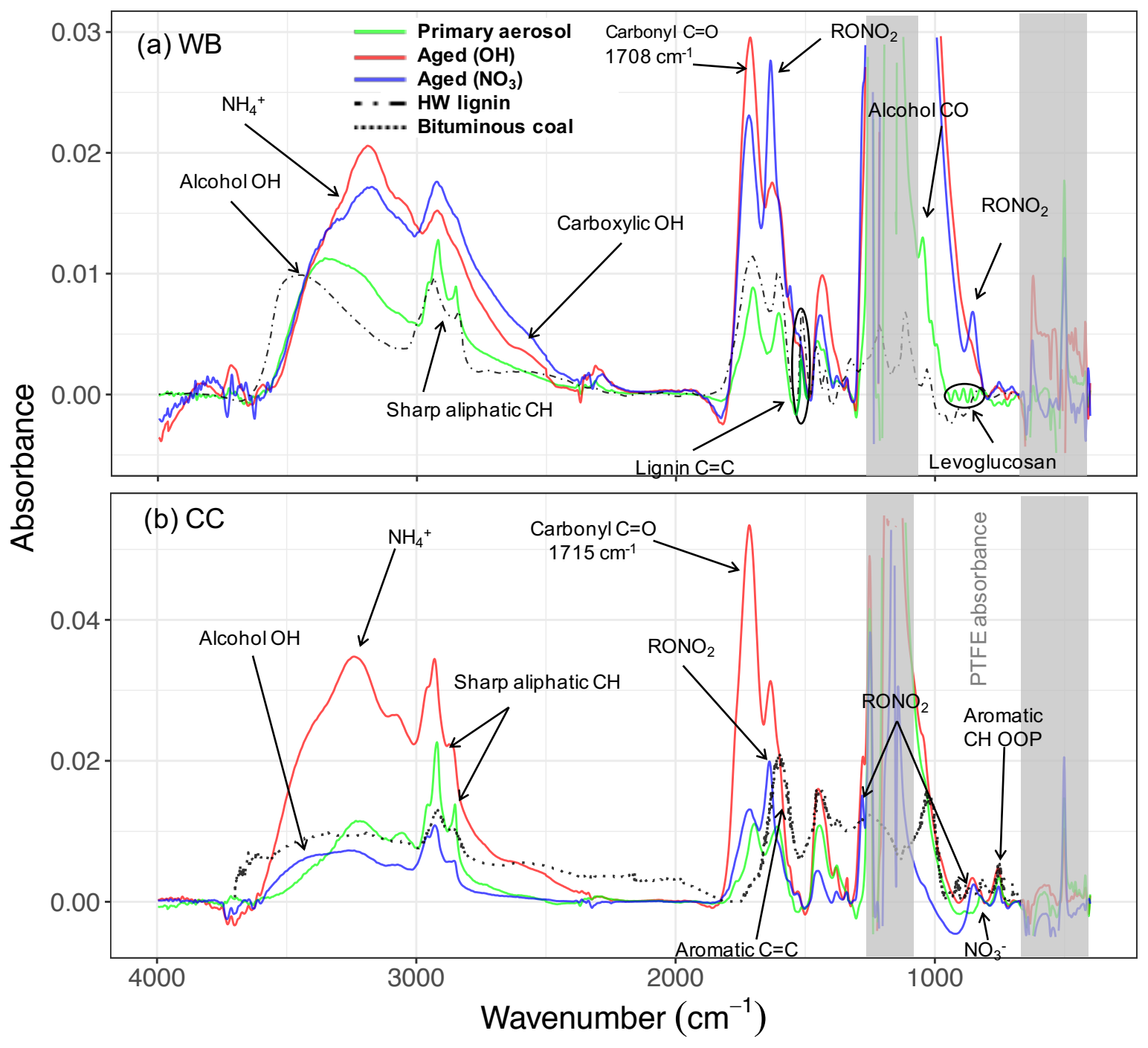
(a) WB
Primary aerosol
Aged (OH)
Aged (NO3)
HW lignin
Bituminous coal
Carbonyl C=O
1708 cm-1
RONO2
NH4+
Alcohol CO
Alcohol OH
Carboxylic OH
RONO2
Sharp aliphatic CH
Lignin C=C
Levoglucosan
(b) CC
NH4+
Carbonyl C=O
1715 cm-1
PTFE absorbance
Alcohol OH
RONO2
Sharp aliphatic CH
RONO2
Aromatic
CH OOP
Aromatic C=C
NO3-
Absorbance
Wavenumber (cm−1)
0.03
0.02
0.01
0.00
0.04
0.02
0.00
4000
3000
2000
1000