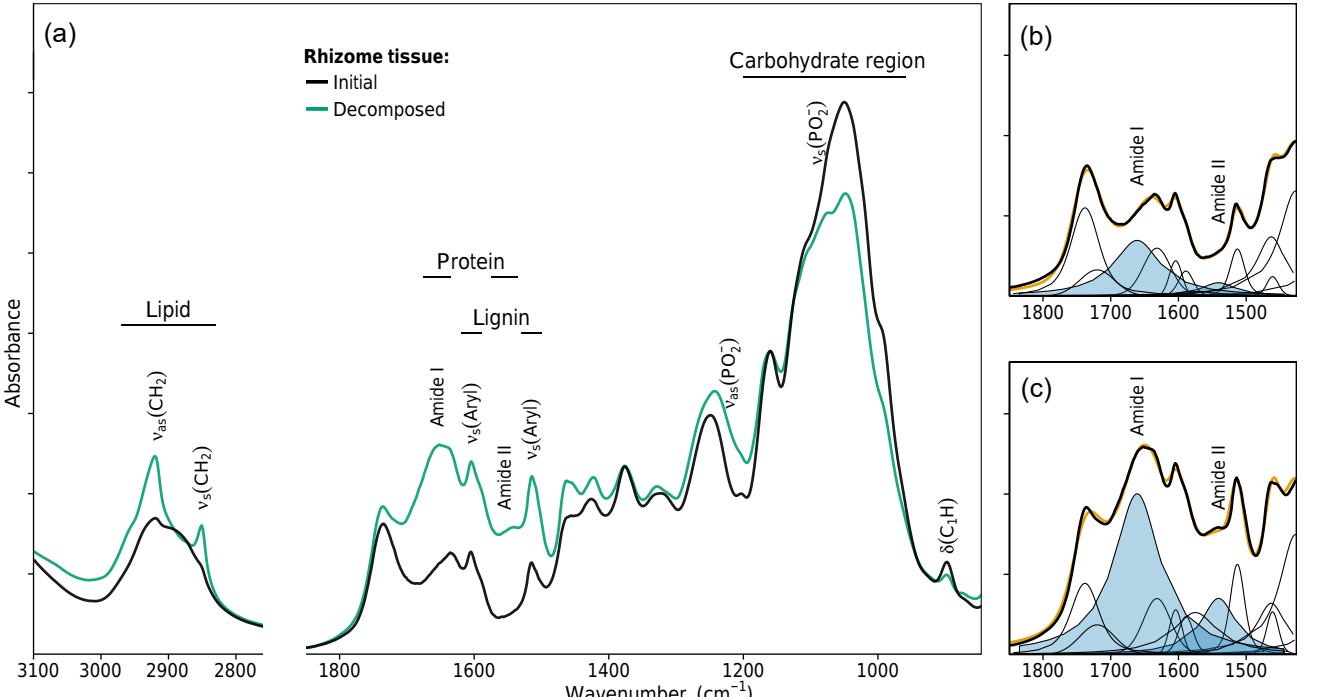
(a)
Rhizome tissue:
Initial
Decomposed
Carbohydrate region
Protein
Lignin
Lipid
Absorbance
$\nu_{as}(CH_2)$
$\nu_s(CH_2)$
Amide I
ν_s(Aryl)
Amide II
ν_s(Aryl)
$\nu_{as}(PO_2^-)$
$\nu_s(PO_2^-)$
$\delta(C_1H)$
3100
3000
2900
2800
1800
1600
1400
1200
1000
Wavenumber (cm^{-1})
(b)
Amide I
Amide II
1800
1700
1600
1500
(c)
Amide I
Amide II
1800
1700
1600
1500