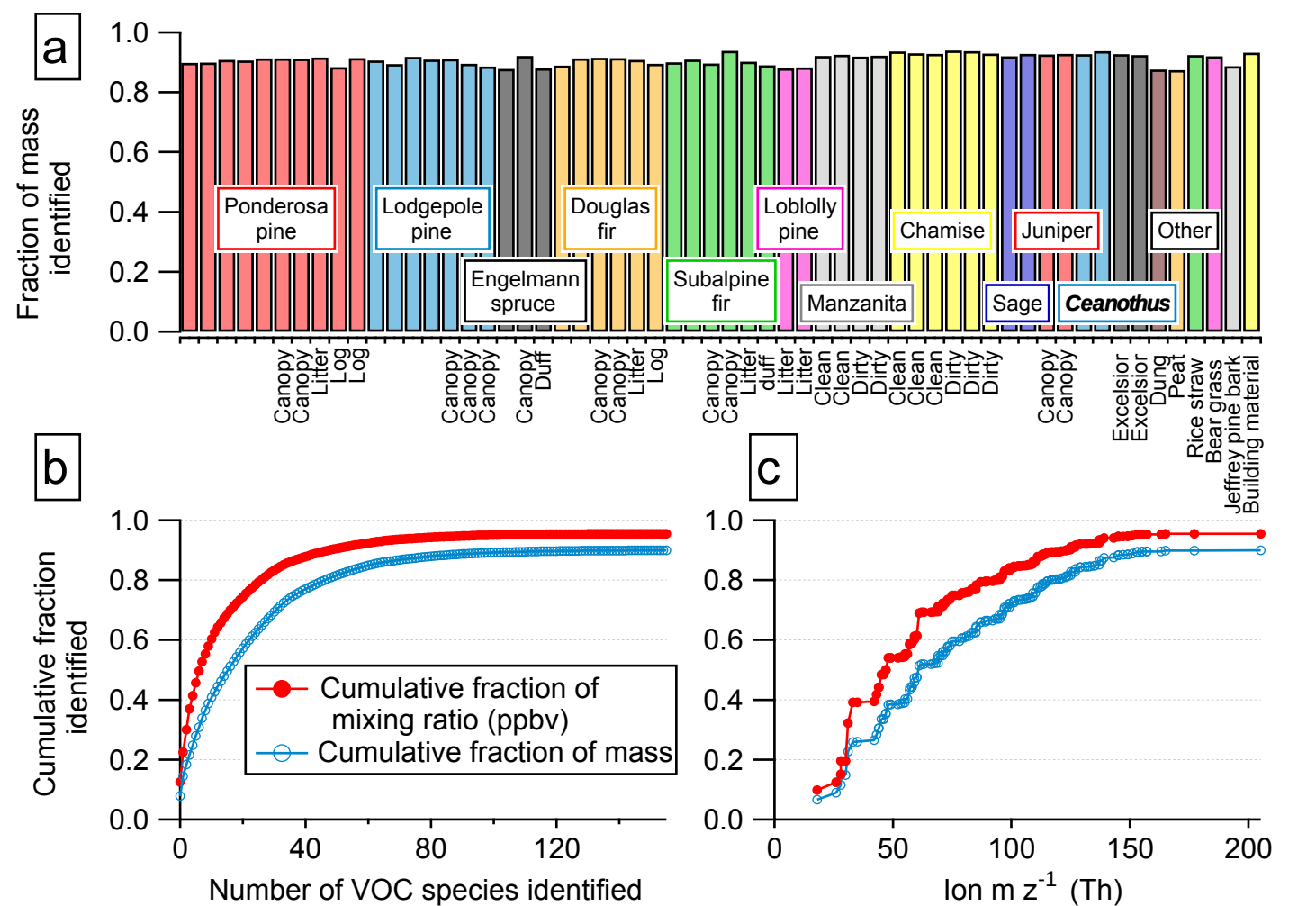
a
Fraction of mass identified
1.0
0.8
0.6
0.4
0.2
0.0
Ponderosa pine
Lodgepole pine
Engelmann spruce
Douglas fir
Subalpine fir
Loblolly pine
Manzanita
Chamise
Sage
Juniper
Ceanothus
Other
Canopy
Canopy
Litter
Log
Log
Canopy
Canopy
Canopy
Canopy
Duff
Canopy
Canopy
Litter
Log
Canopy
Canopy
Litter
duff
Litter
Litter
Clean
Clean
Dirty
Dirty
Clean
Clean
Clean
Dirty
Dirty
Dirty
Canopy
Canopy
Excelsior
Excelsior
Dung
Peat
Rice straw
Bear grass
Jeffrey pine bark
Building material
b
Cumulative fraction identified
1.0
0.8
0.6
0.4
0.2
0.0
Cumulative fraction of mixing ratio (ppbv)
Cumulative fraction of mass
0
40
80
120
Number of VOC species identified
c
1.0
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
Ion m z-1 (Th)