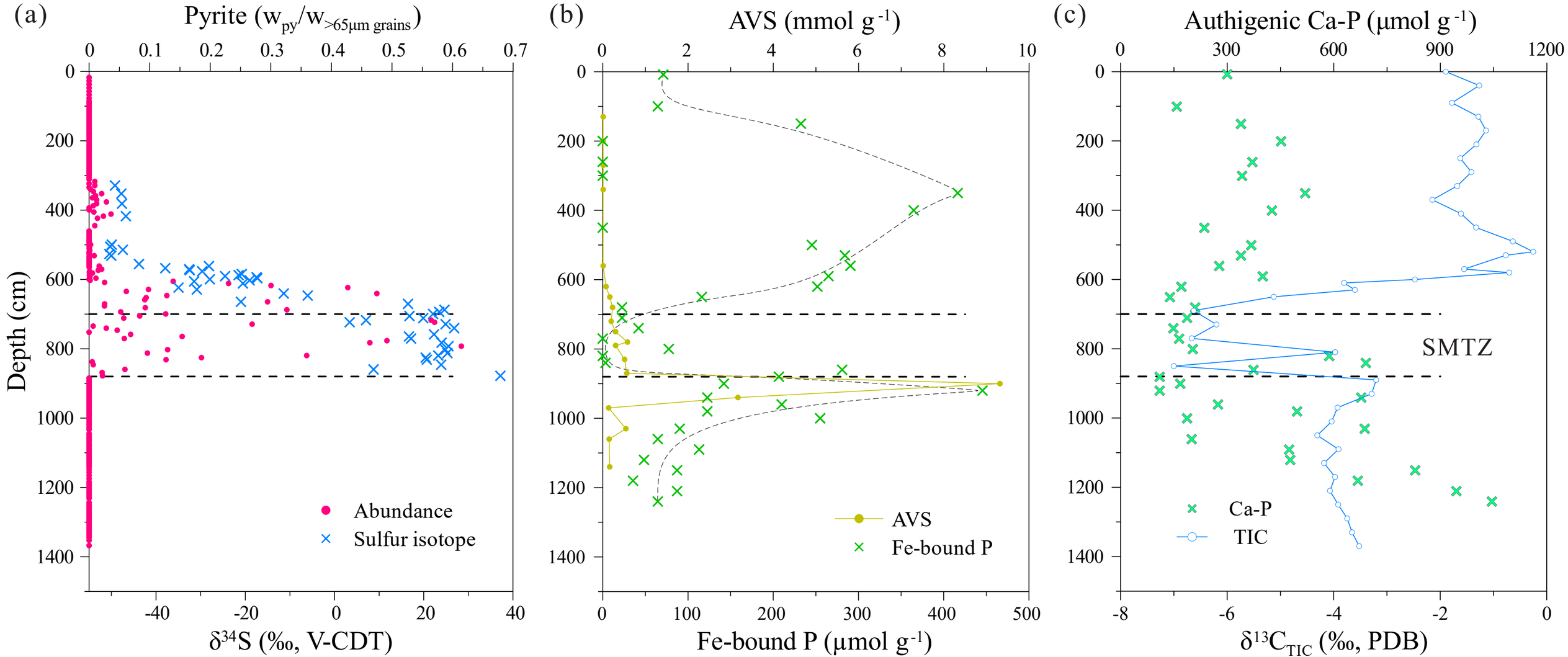
(a)
Pyrite ($w_{py}/w_{>65\mu m\ grains}$)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Depth (cm)
0
200
400
600
800
1000
1200
1400
Abundance
Sulfur isotope
-40
-20
0
20
40
$\delta^{34}S$ (‰, V-CDT)
(b)
AVS (mmol g^{-1})
0
2
4
6
8
10
AVS
Fe-bound P
0
100
200
300
400
500
Fe-bound P (μmol g^{-1})
(c)
Authigenic Ca-P (μmol g^{-1})
0
300
600
900
1200
SMTZ
Ca-P
TIC
-8
-6
-4
-2
0
$\delta^{13}C_{TIC}$ (‰, PDB)