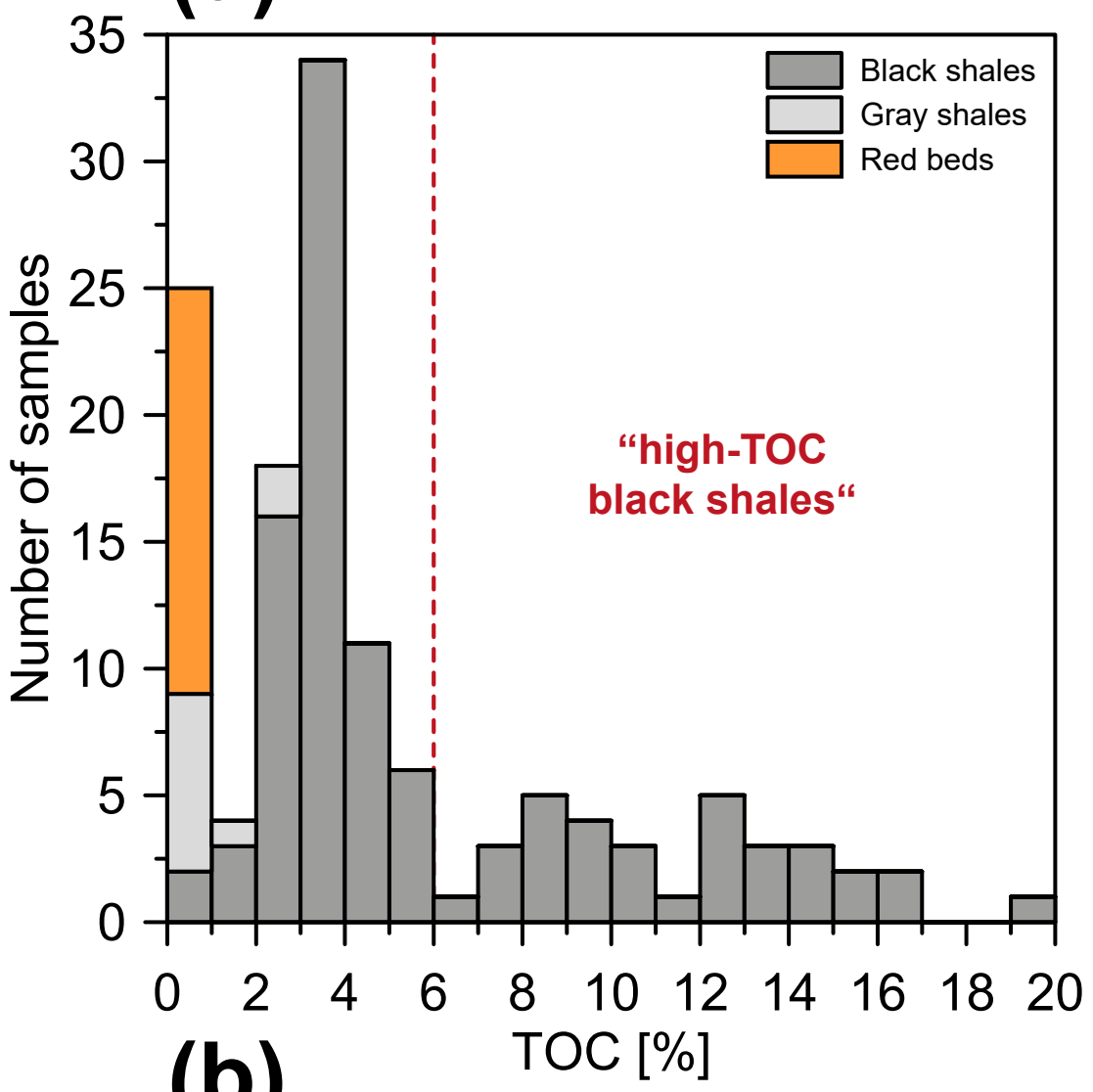
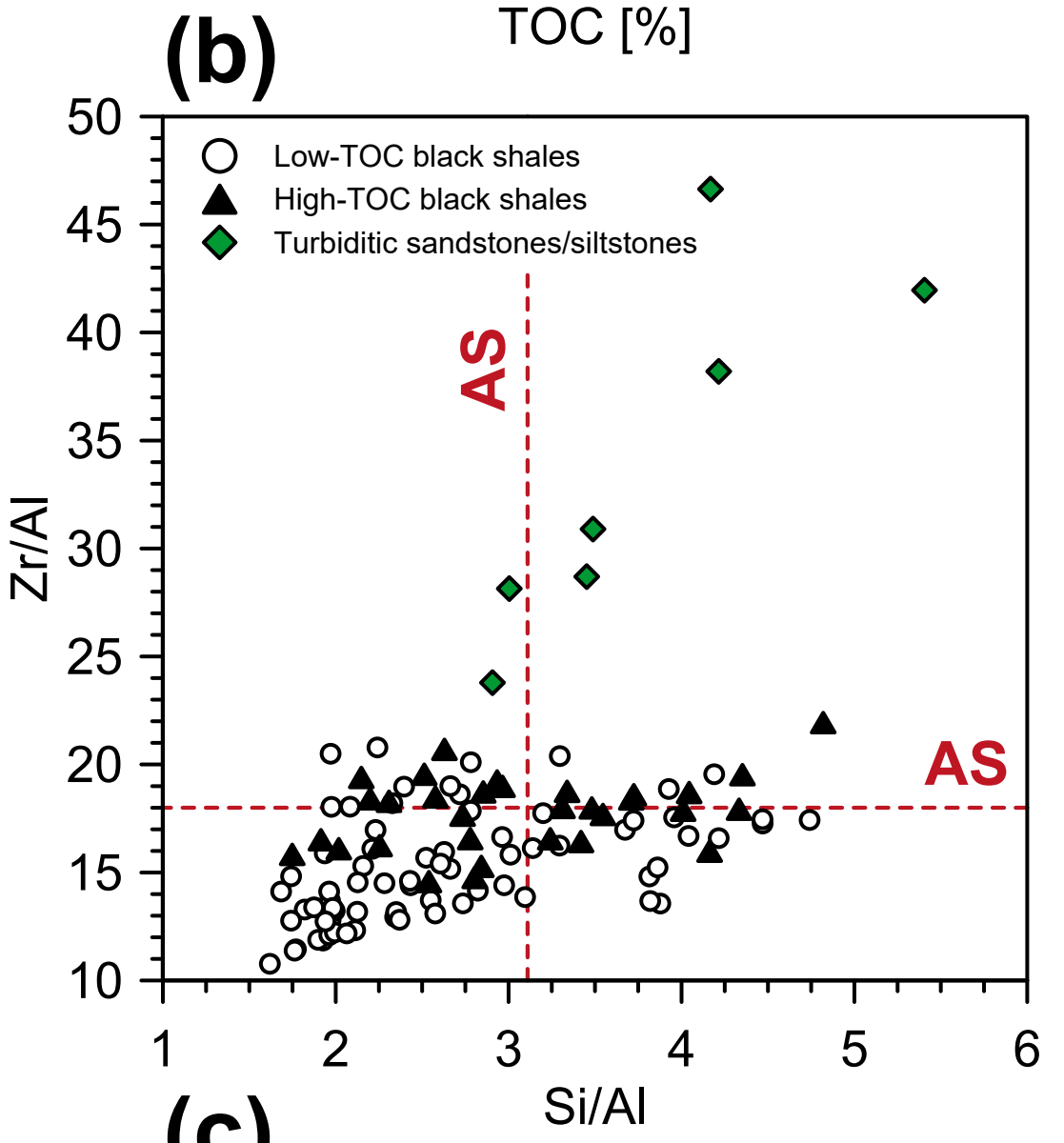
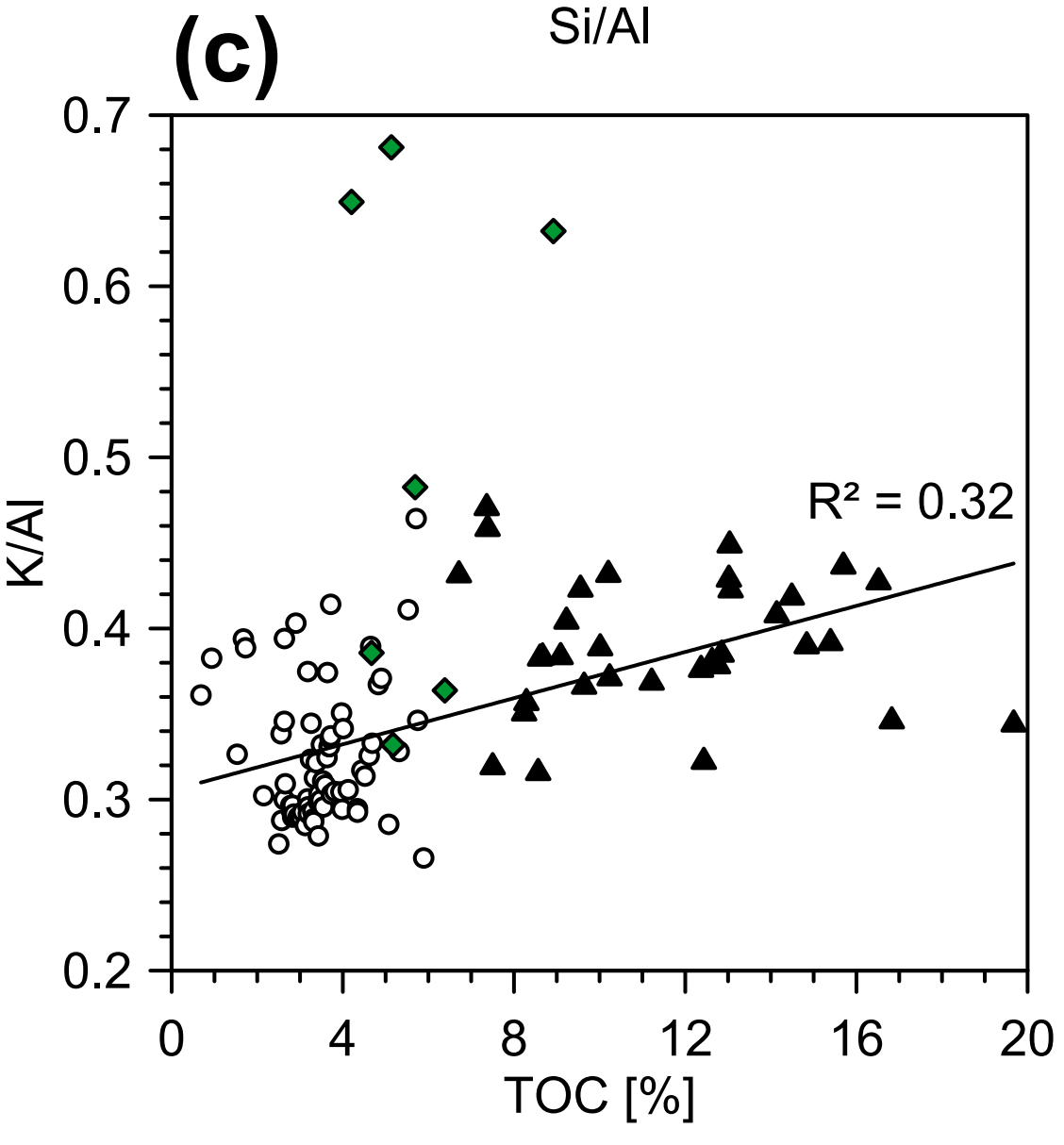

(a)
Black shales
Gray shales
Red beds
"high-TOC black shales"
Number of samples
TOC [%]
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12
14
16
18
20


(b)
Low-TOC black shales
High-TOC black shales
Turbiditic sandstones/siltstones
AS
AS
Zr/Al
Si/Al
10
15
20
25
30
35
40
45
50
1
2
3
4
5
6


(c)
R² = 0.32
K/Al
TOC [%]
0.2
0.3
0.4
0.5
0.6
0.7
0
4
8
12
16
20