

Table S1. Physical and chemical characterization of the selected soils.

Soil	pH	Cation Exchange Capacity (cmol kg ⁻¹)	Organic Carbon Content (%)	Soil Constitution		
				Loam (%)	Sand (%)	Clay (%)
Black soil	6.2	20.3	2.68	31.6	52.8	15.6
Laterite soil	6.5	15.3	0.82	24.7	60.4	14.9
Chestnut soil	7.1	13.2	0.98	17.7	59.6	22.7
Yellow brown soil	6.7	31.2	1.63	5.2	64.7	30.1

Table S2. Vertical distribution of procymidone in soil column.

Soil	Percentage of Pesticide Content in soil Columns (%)			Leaching Solution (µg)
	0–10 cm	10–20 cm	20–30 cm	
Laterite soil	65.8	22.4	11.8	ND ^a
Yellow brown soil	80.9	15.9	3.2	ND
Black soil	82.5	13.6	3.9	ND
Chestnut soil	92.2	7.8	ND	ND

^aND represents no detection.

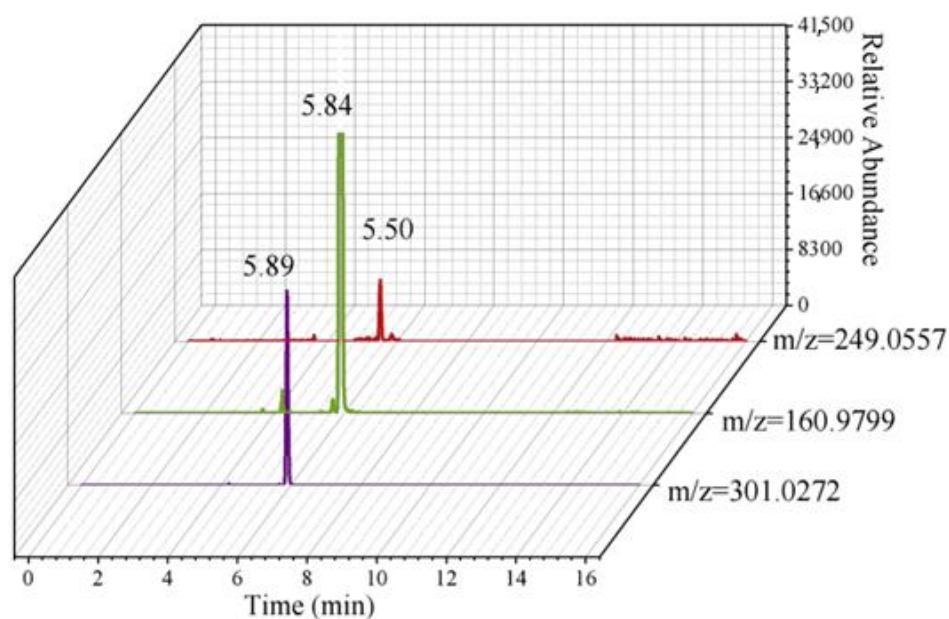


Figure S1. The extracted ion chromatograms of three products of procymidone in soil.