

Supplementary material for the article:

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## **Assessment of Degradation of Sulfonylurea Herbicides in Water by Chlorine Dioxide**

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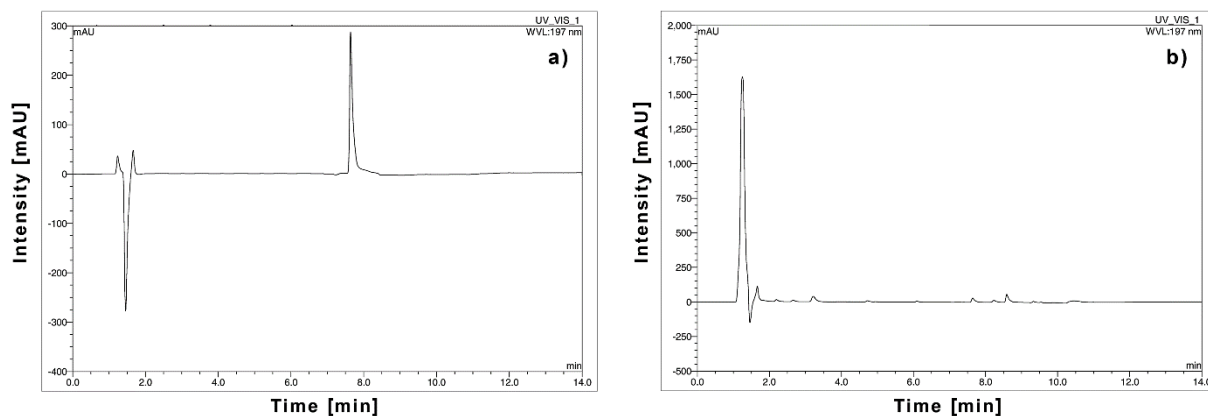
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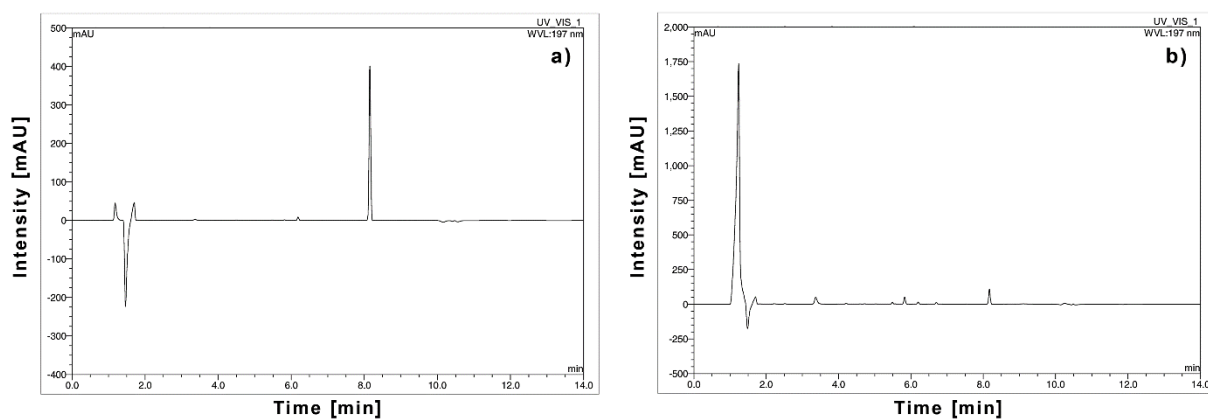
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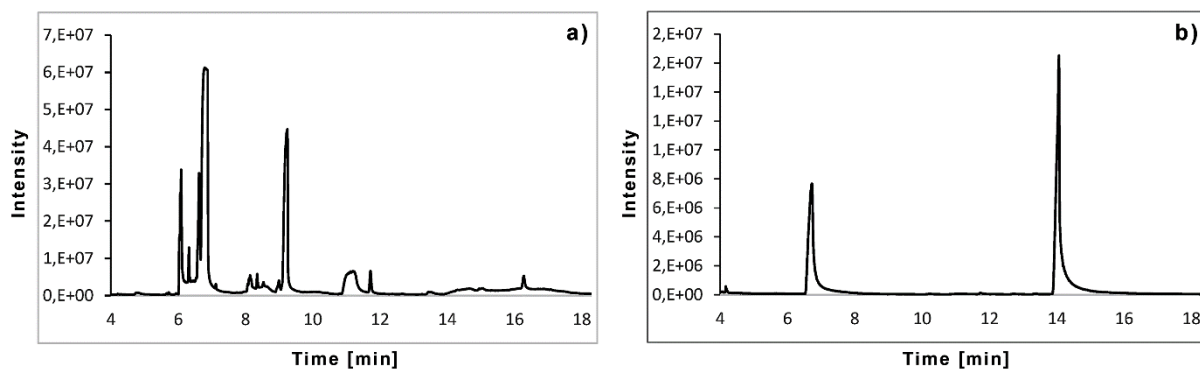
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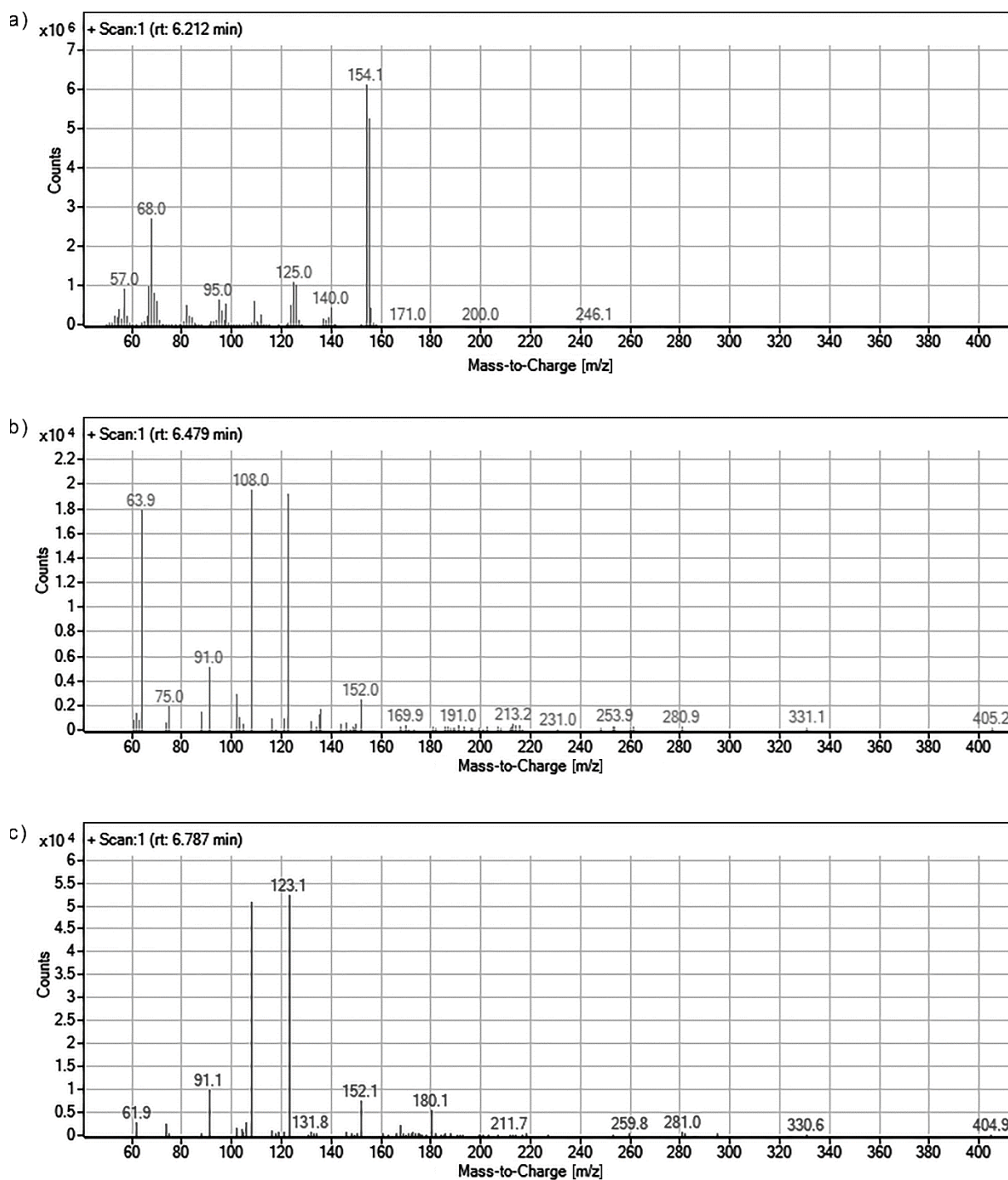
**Fig. S1** HPLC chromatograms of initial nicosulfuron (10 mg/L) and degradation products (with 10 mg/L  $\text{ClO}_2$  at pH 3.00 during 6 h degradation by chlorine dioxide)



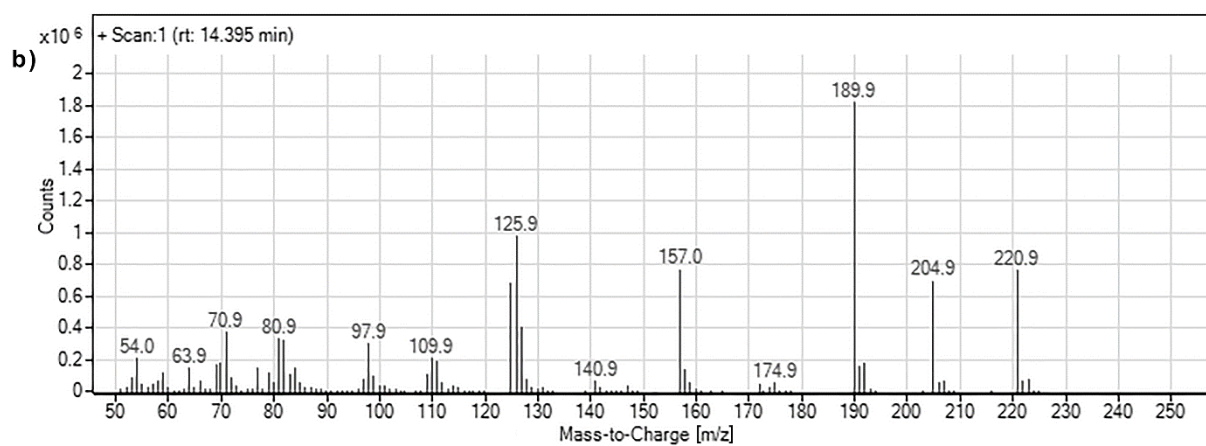
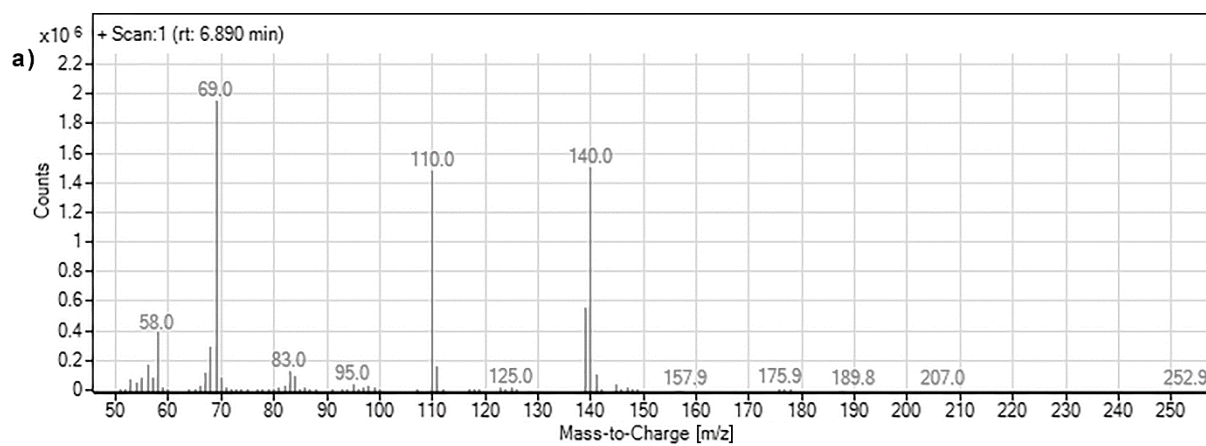
**Fig. S2** HPLC chromatograms of parent thifensulfuron methyl (10 mg/L) and degradation products (with 10 mg/L  $\text{ClO}_2$  after 24 h without pH adjustment)



**Fig. S3** GC-QQQ chromatograms for degradation products of the sulfonylurea herbicides: (a) nicosulfuron and (b) thifensulfonyl methyl



**Fig. S4** Mass spectra for degradation products of nicosulfuron



**Fig. S5** Mass spectra for degradation products of thifensulfuron methyl