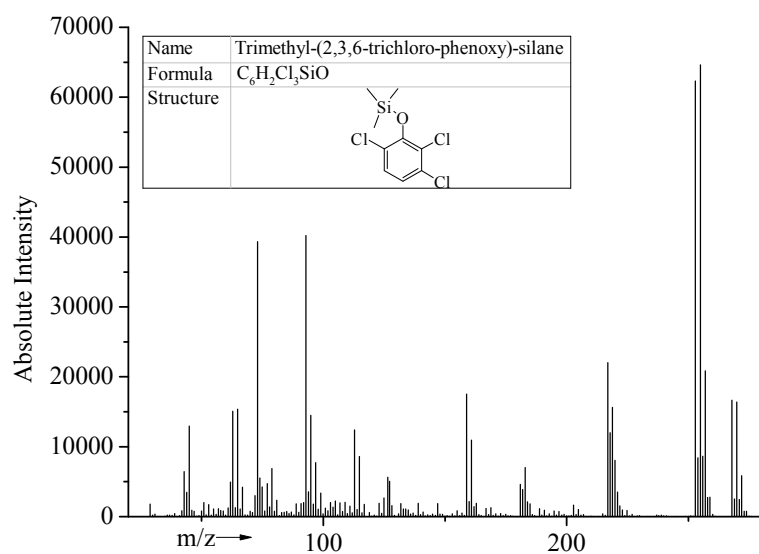


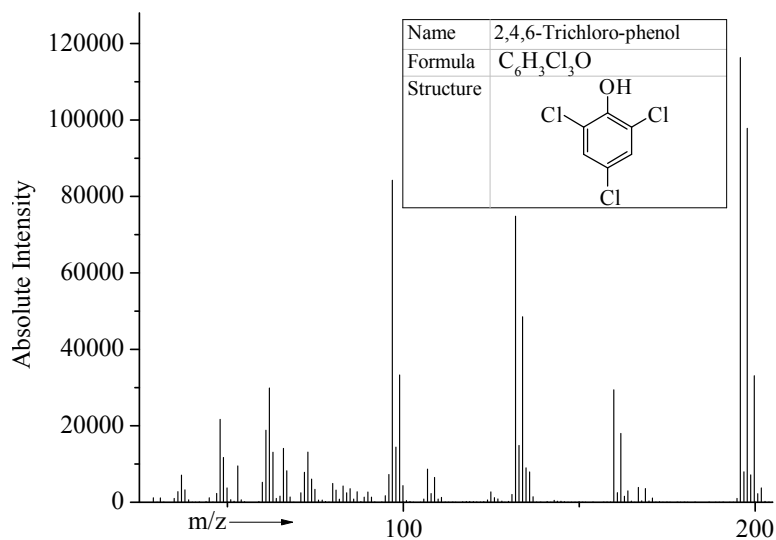
## Electronic Supplementary Information

### **Both Degradation and AOX Accumulation Are Significantly Enhanced in UV/Peroxymonosulfate/4-Chlorophenol/Cl<sup>-</sup> System: Two Sides of the Same Coin?**

Zhaohui Wang<sup>a,b,\*</sup>, Min Feng<sup>a</sup>, Changling Fang<sup>a</sup>, Ying Huang<sup>a</sup>, Luoyan Ai<sup>a</sup>, Fei Yang<sup>a</sup>, Ying Xue<sup>a</sup>, Wenqian Liu<sup>a</sup>, Jianshe Liu<sup>a</sup>



**Fig. S1** The MS spectrum of 4-CP corresponding to the 24.26 min peak on chromatograph at 15 min



**Fig. S2** The MS spectrum of 4-CP corresponding to the 20.6 min peak on chromatograph at 15 min

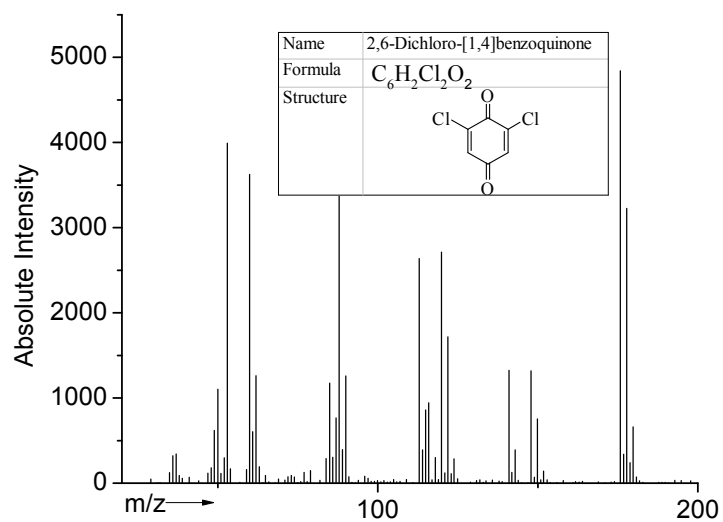


Fig. S3 The MS spectrum of 4-CP corresponding to the 16.085 min peak on chromatograph at 2 h

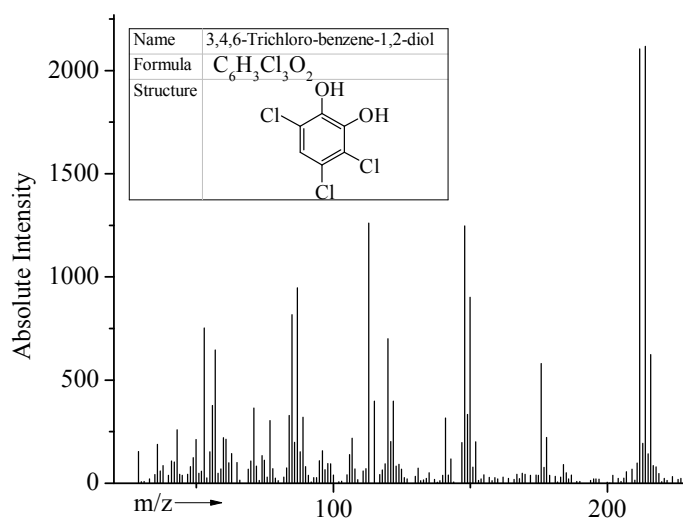
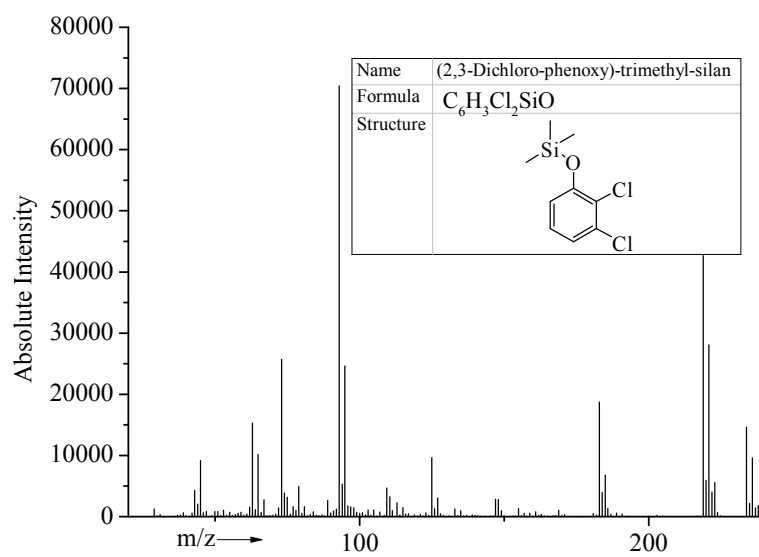
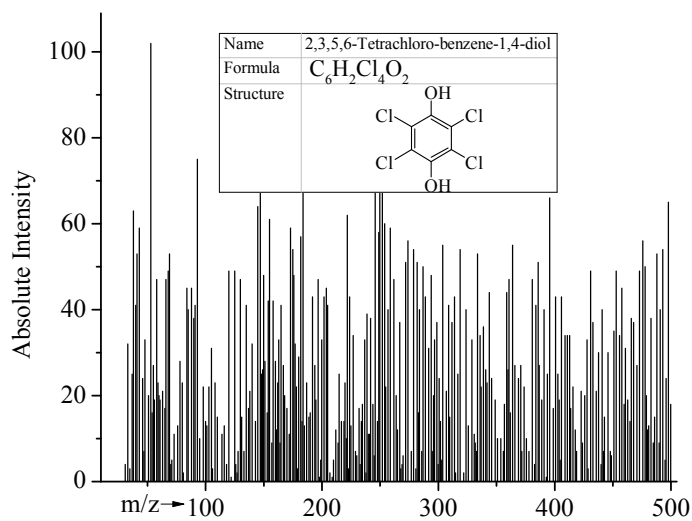


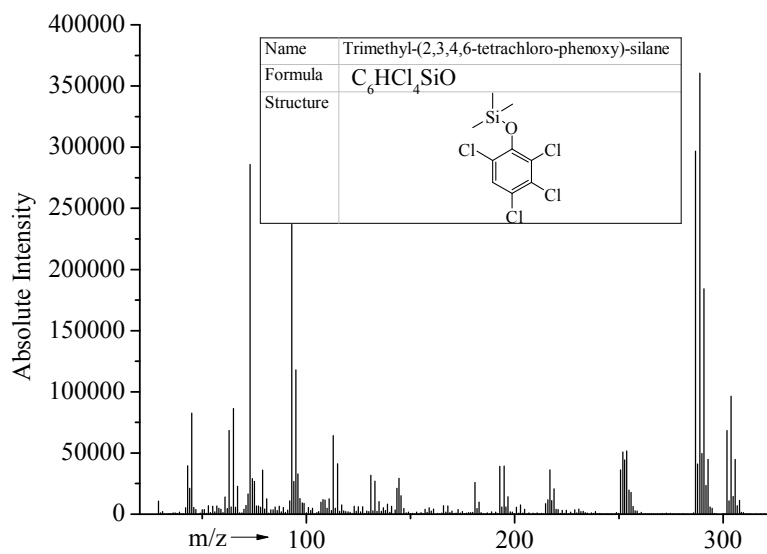
Fig. S4 The MS spectrum of 4-CP corresponding to the 29.3 min peak on chromatograph at 2 h



**Fig. S5** The MS spectrum of 4-CP corresponding to the 20.165 min peak on chromatograph at 15 min



**Fig. S6** The MS spectrum of 4-CP corresponding to the 35.245 min peak on chromatograph at 2 h



**Fig. S7** The MS spectrum of 4-CP corresponding to the 30.29 min peak on chromatograph at 15 min