

“ Supplementary information” Appendix

FIGURE 1. GC-MS-EI spectra of irgarol photoproducts formed by TiO₂ photocatalytic degradation under simulated solar light (Numbers of compounds correspond to the photoproducts listed in the Table 4).

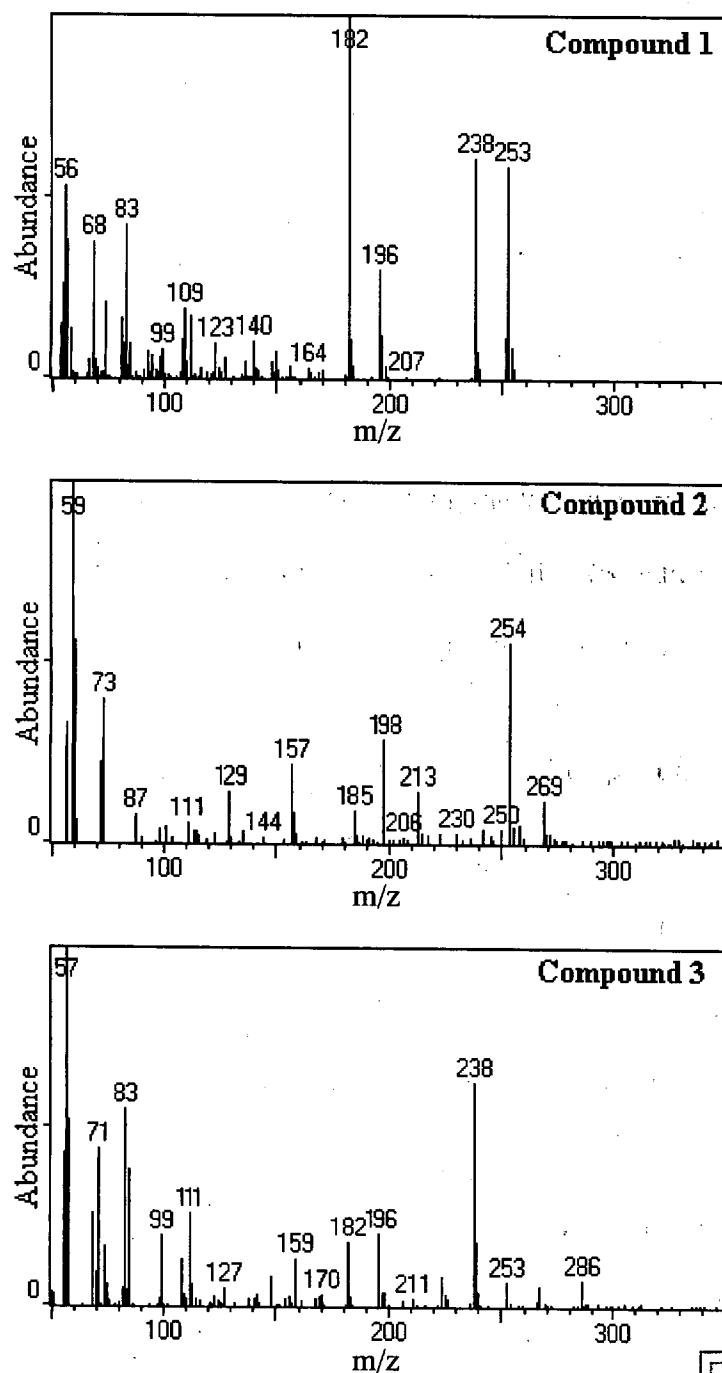
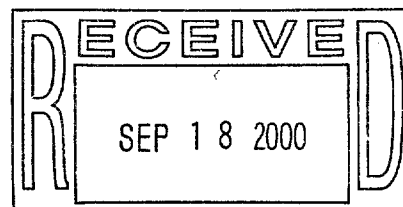


Fig. 1 (continued)

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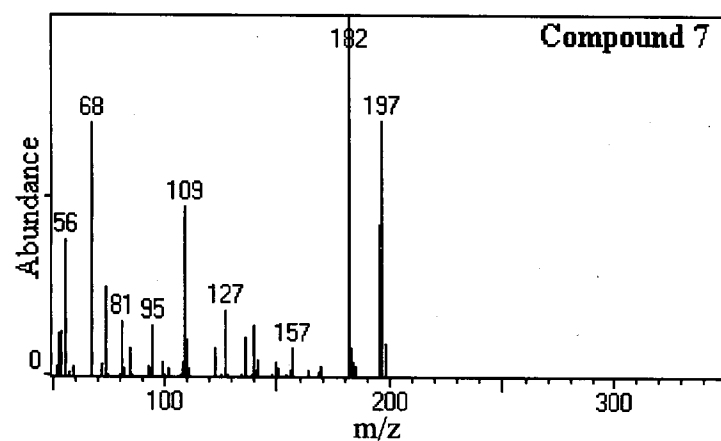
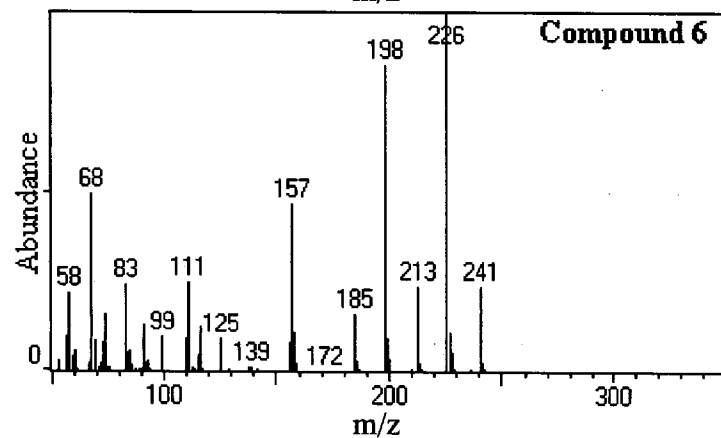
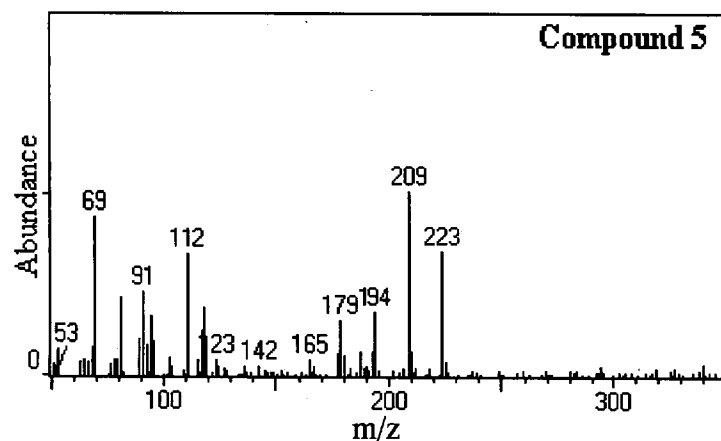
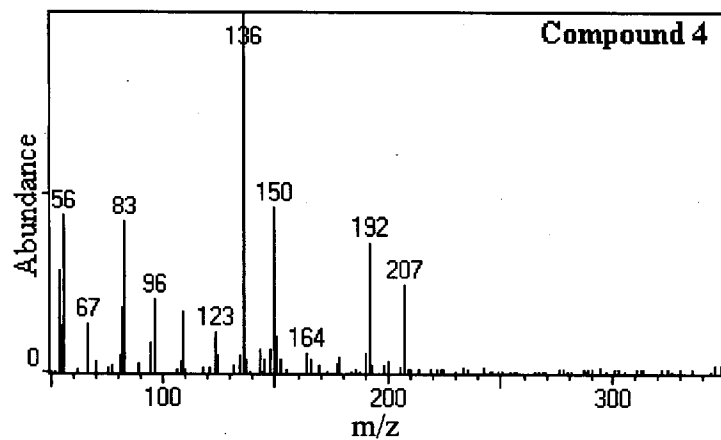


Fig. 1 (continued)

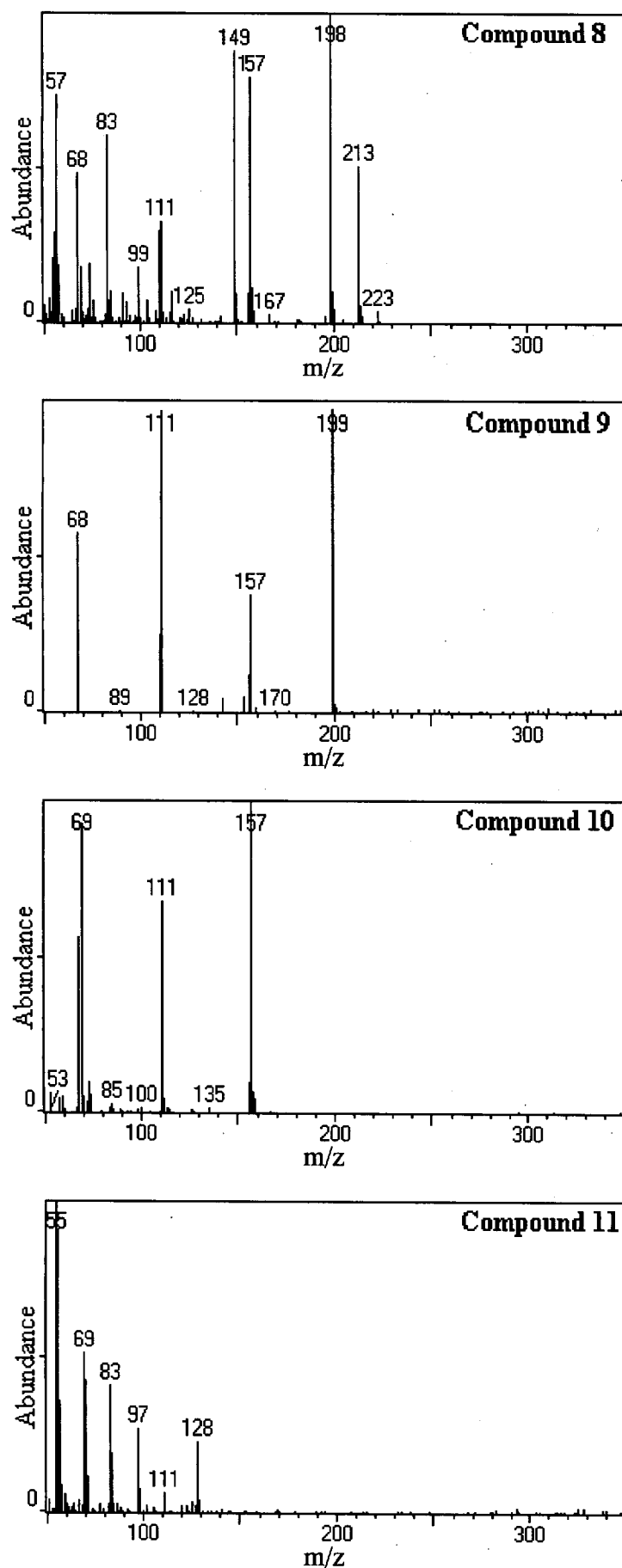


Fig. 1

FIGURE 2. GC-MS-EI spectra of dichlofenthion photoproducts formed by TiO_2 photocatalytic degradation under simulated solar light (1=dichlofenthion, 2=Dichlofenoxon, 3=2,4-dichlorophenol, 4=Dechlorodichlofenthion, 5= 4-chlorophenol, 6=S-ethylidichlofenthion).

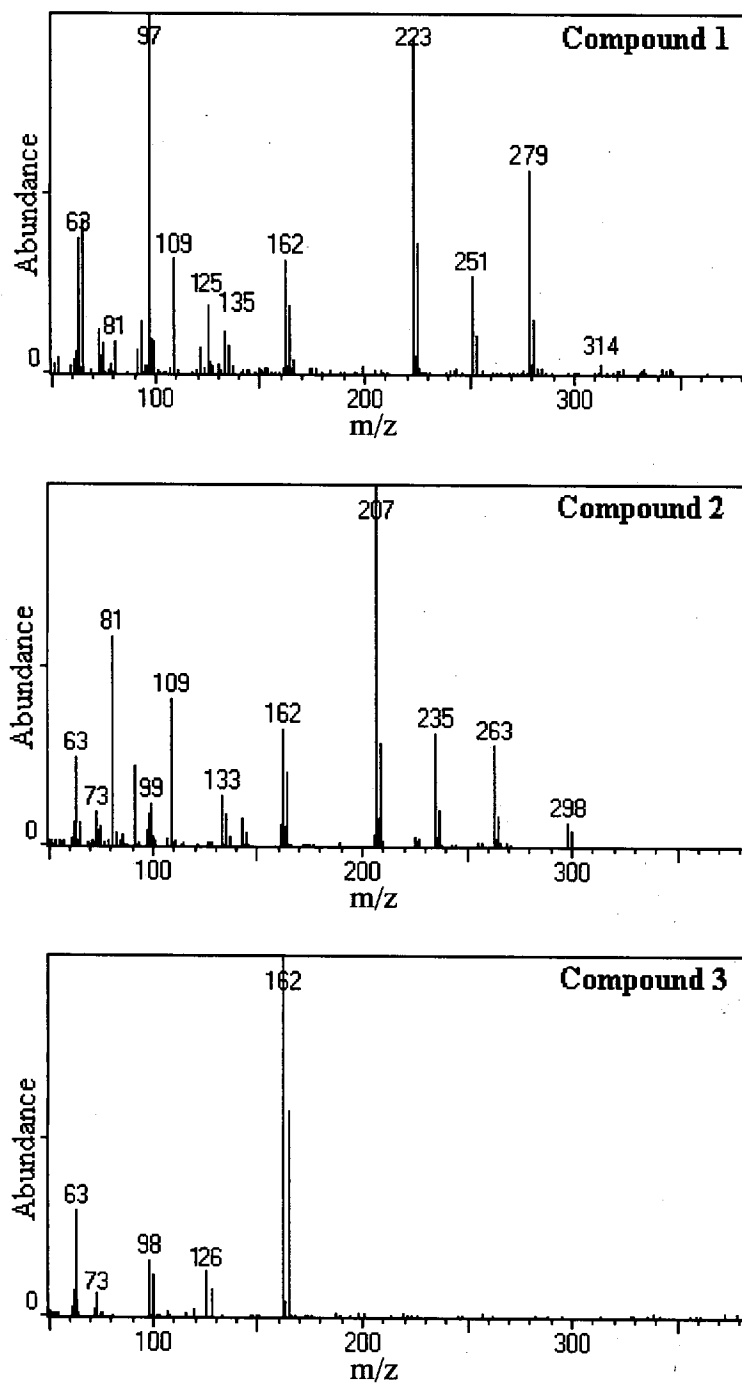


Fig. 2 (continued)

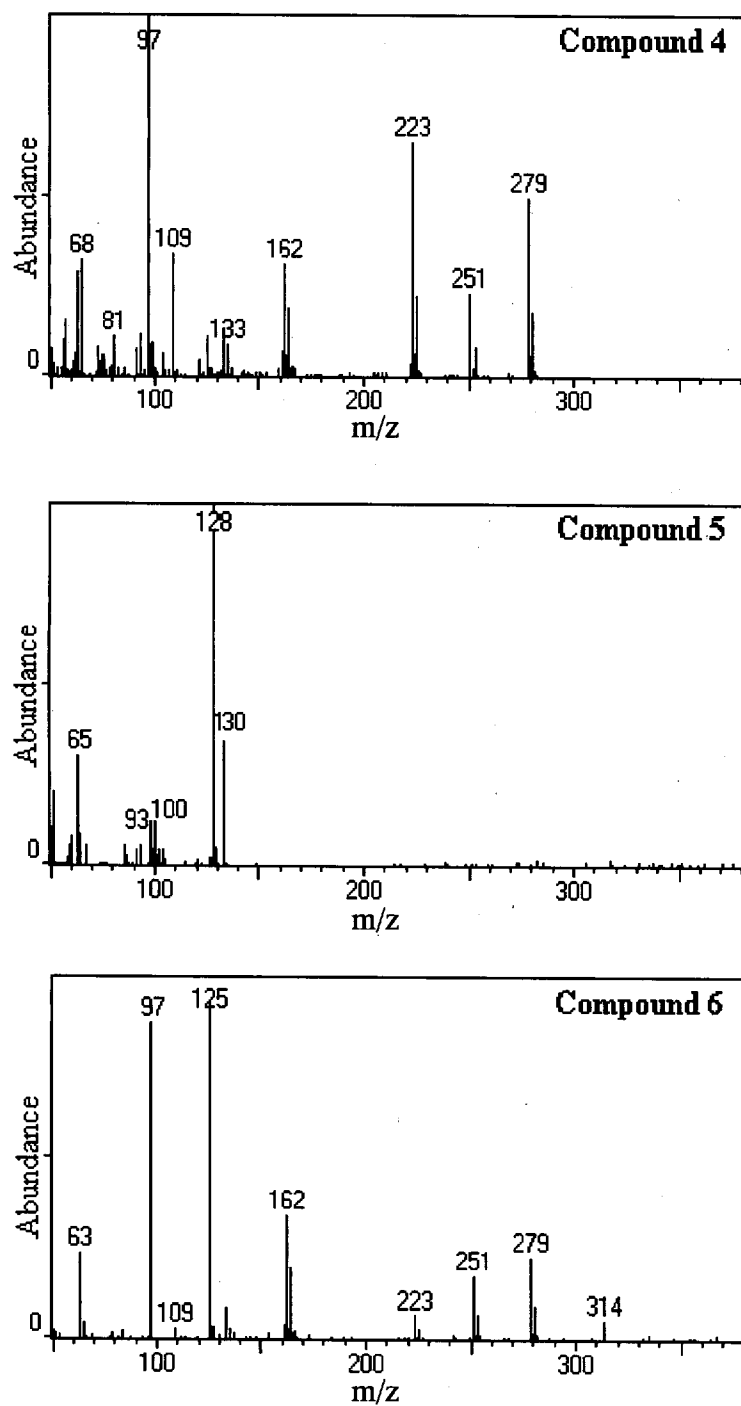


Fig. 2

FIGURE 3. GC-MS-EI spectra of bromophos methyl photoproducts formed by TiO_2 photocatalytic degradation under simulated solar light (1=Bromophos methyl, 2=Bromooxon, 3=4-bromo-2,5-dichlorophenol, 4=O,O,O-trimethyl phosphorothioate, 5= 3-chlorophenol).

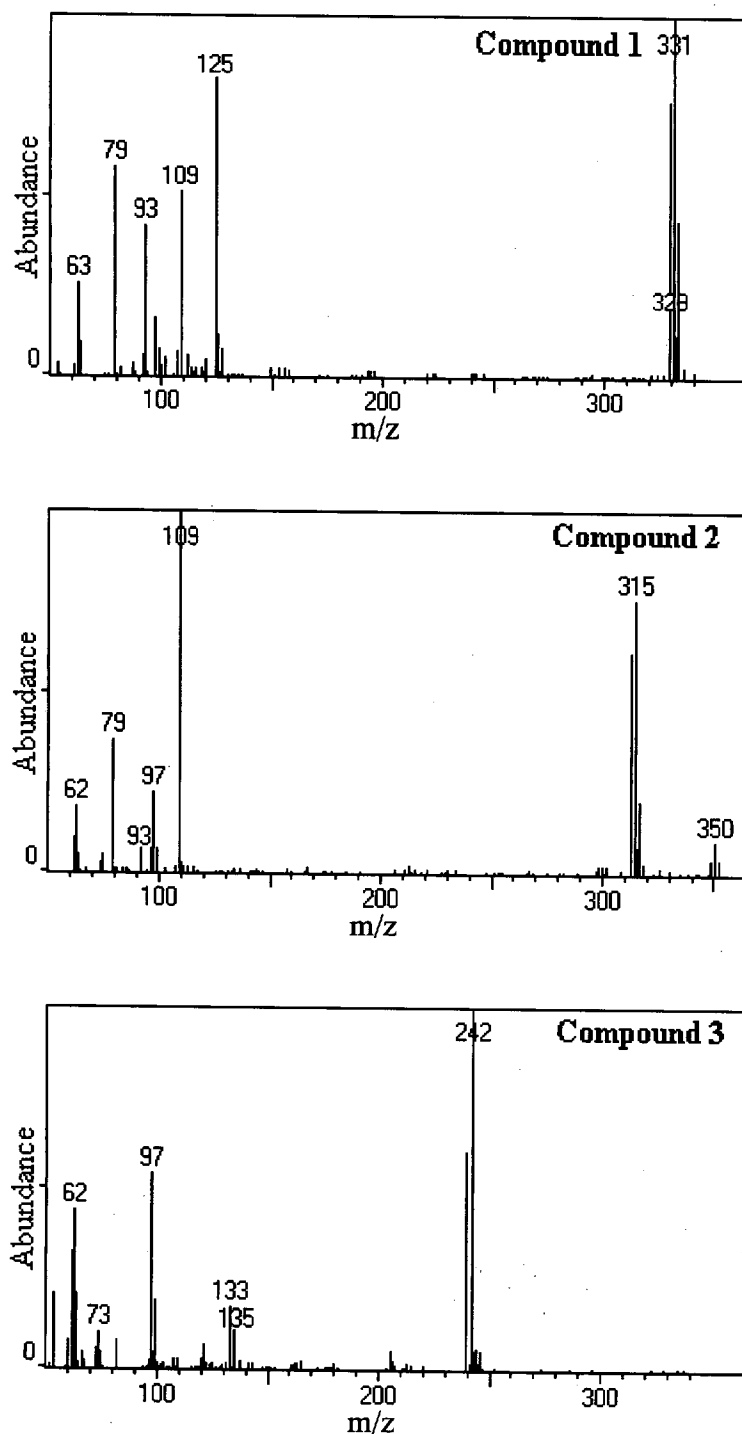


Fig. 3 (continued)

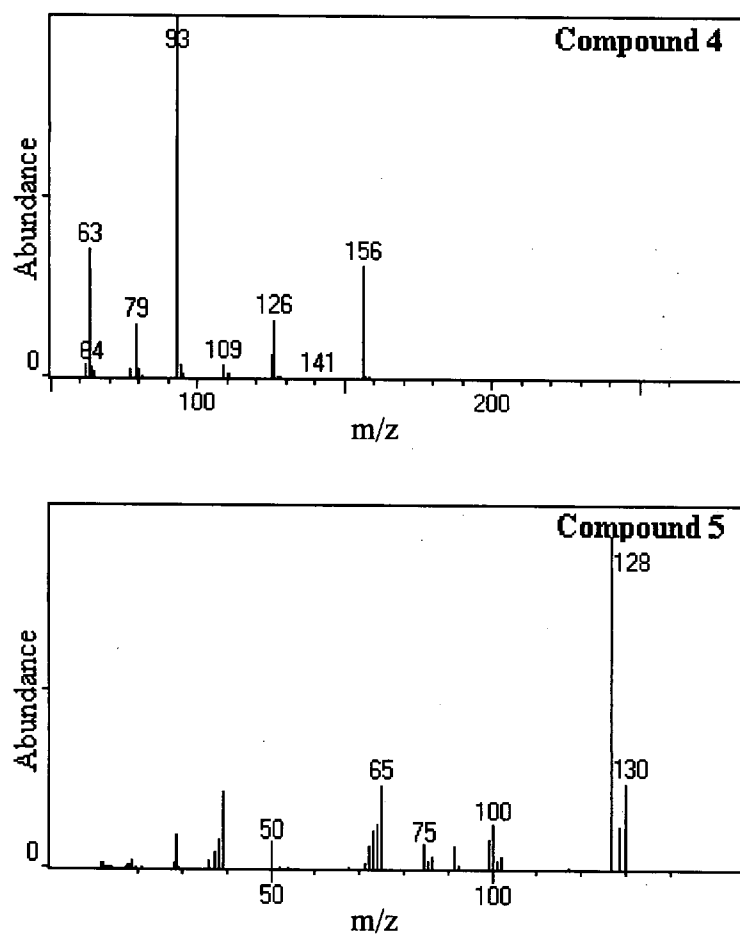


Fig. 3

FIGURE 4 a-c. GC-MS-EI chromatograms of irgarol, dichlofenthion and bromophos methyl photocatalytic degradation by TiO_2 and simulated solar light at the end of the total irradiation time irradiation. (Peak numbers correspond to the photoproducts listed in the Tables 4 and 5 and in reaction pathways of figures 3, 7 and 8 respectively.)

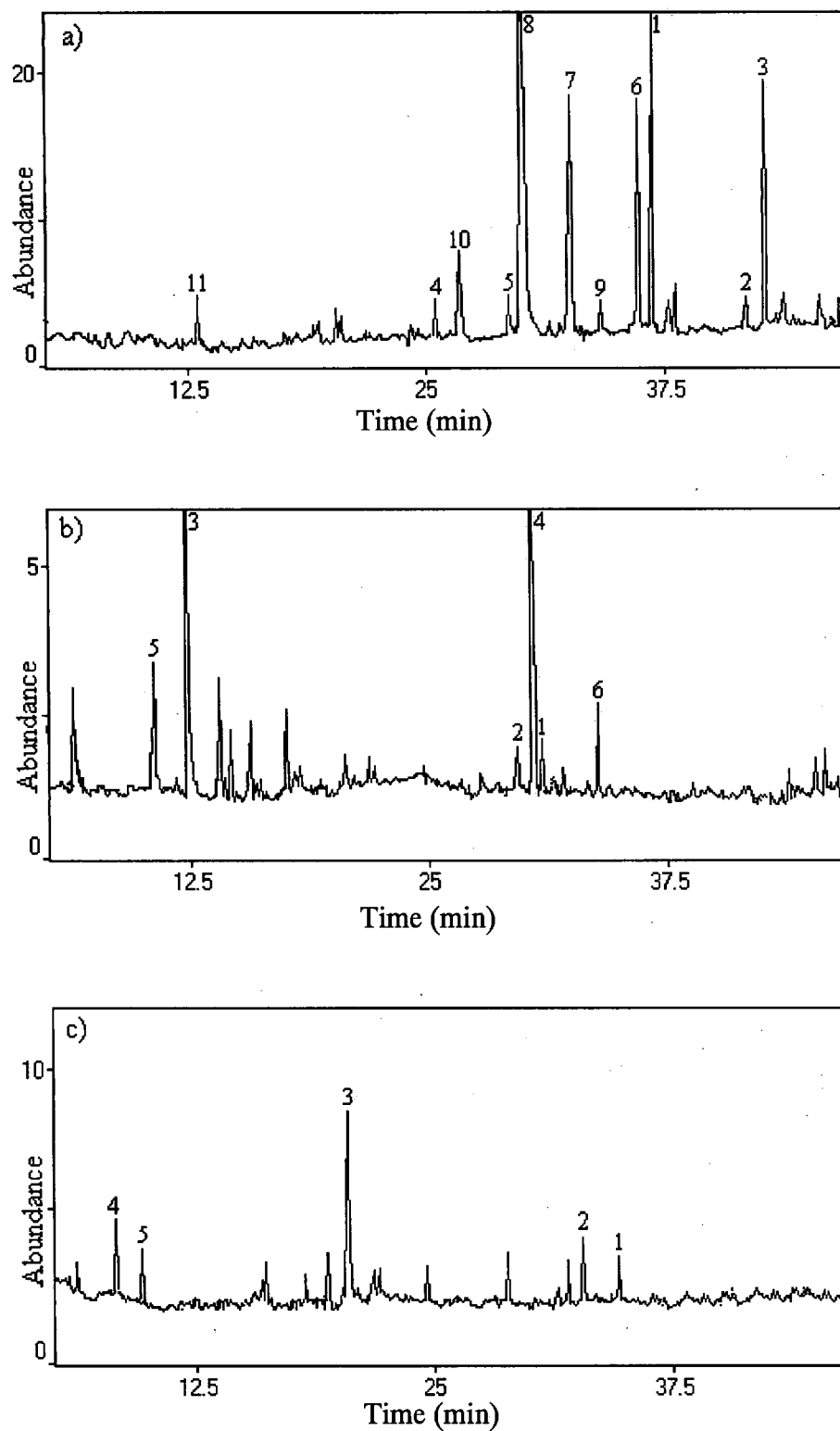


Fig. 4