

Supplementary Material

Synthesis of trialkyl 2-halogeno-1,1,1-ethanetricarboxylates

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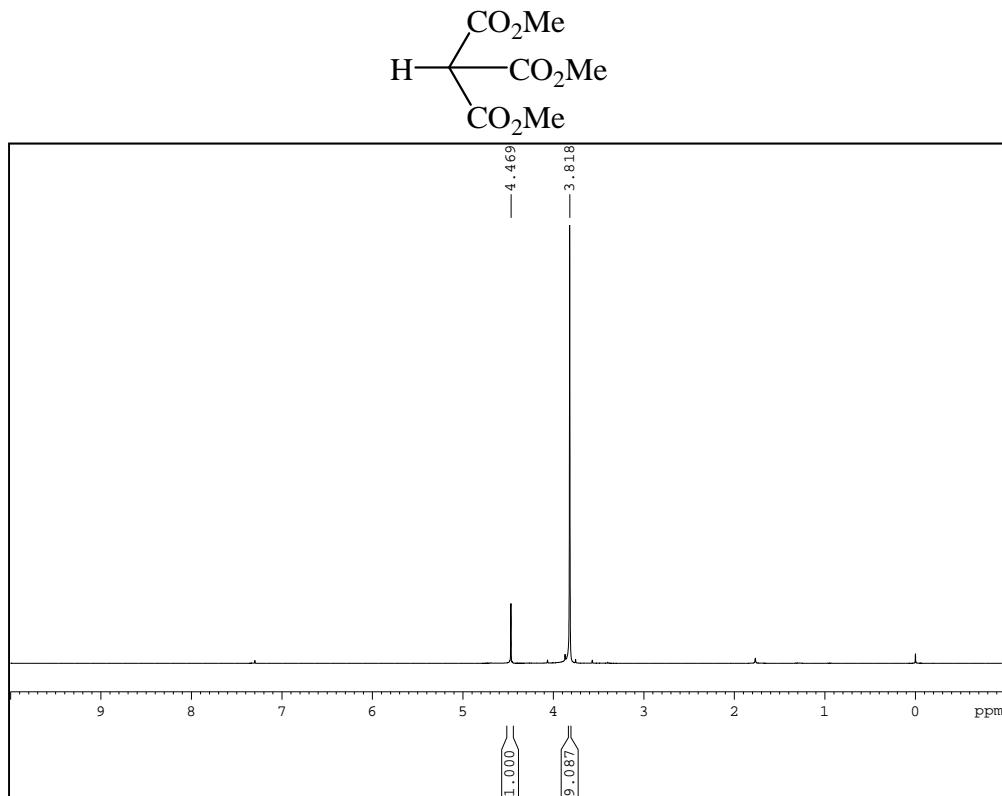


Figure S1. ^1H NMR spectrum.

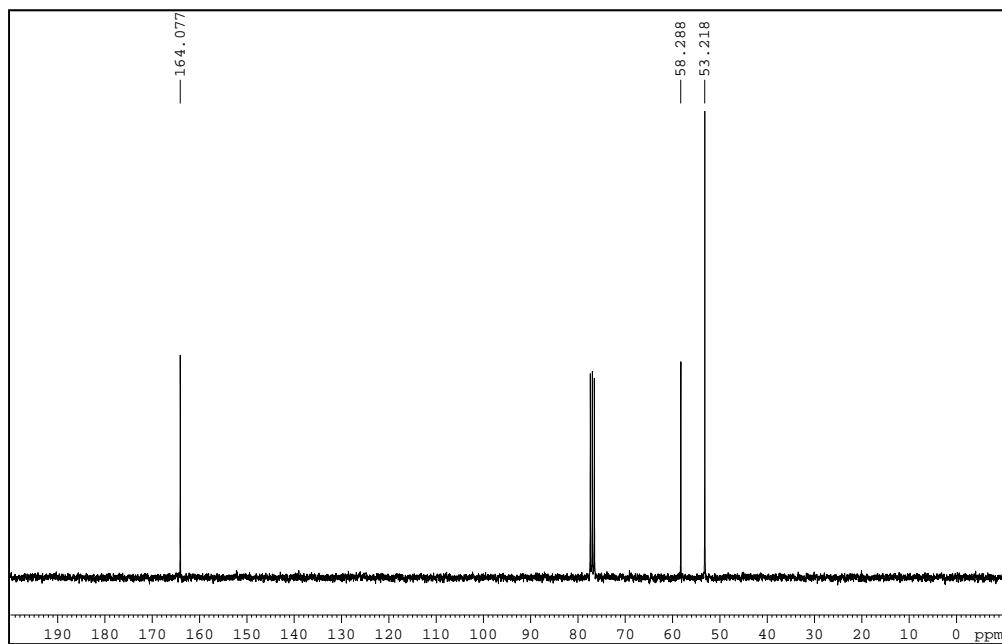


Figure S2. ^{13}C NMR spectrum.

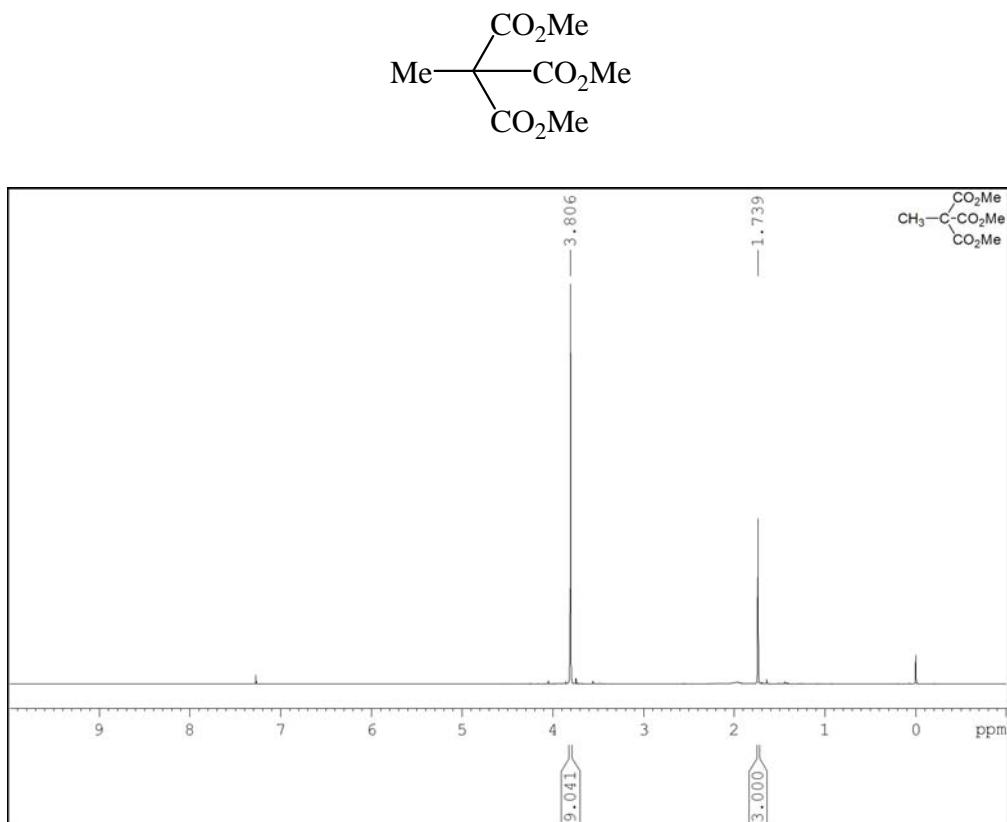


Figure S3. ¹H NMR spectrum.

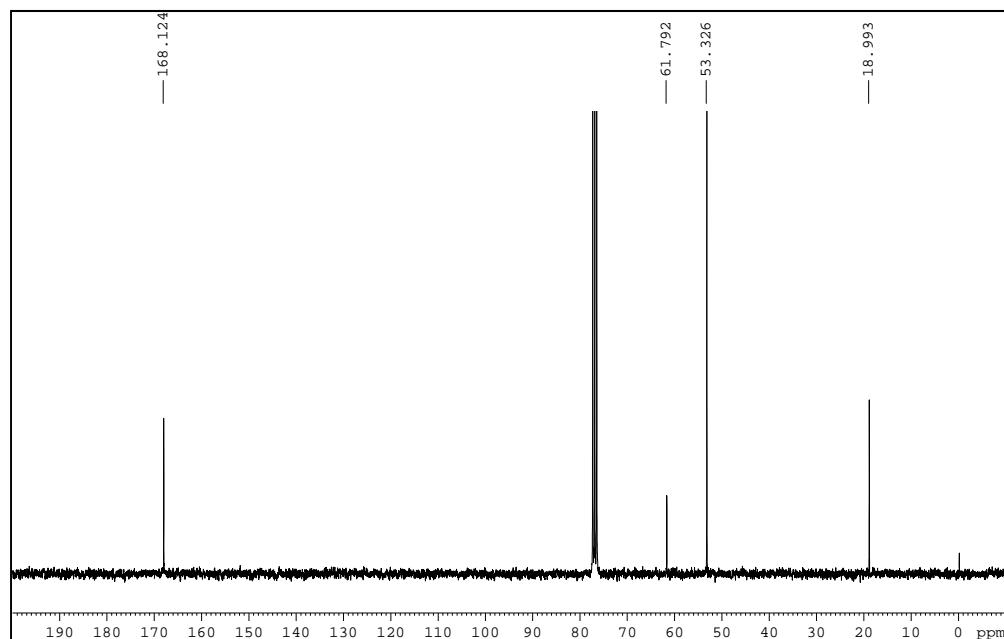


Figure S4. ¹³C NMR spectrum.

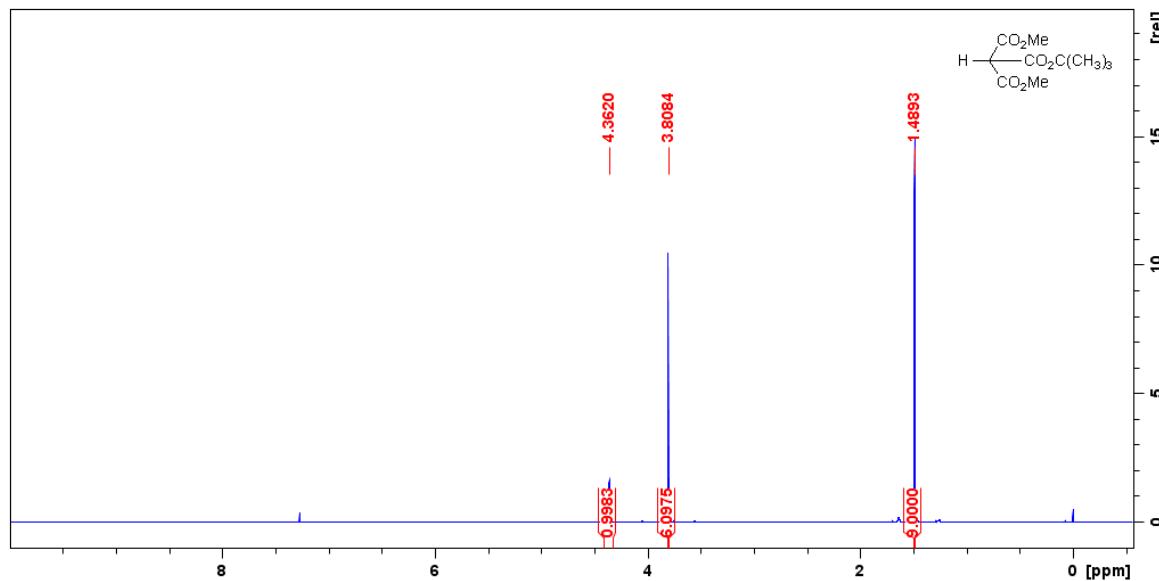
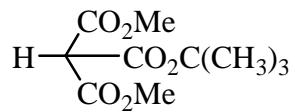


Figure S5. ^1H NMR spectrum.

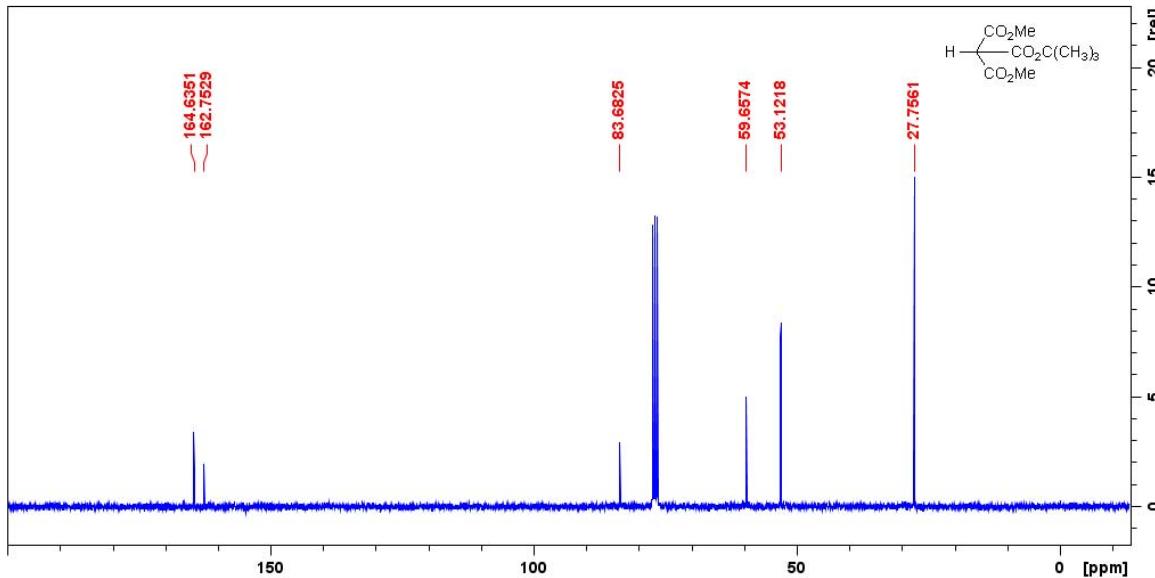


Figure S6. ^{13}C NMR spectrum.

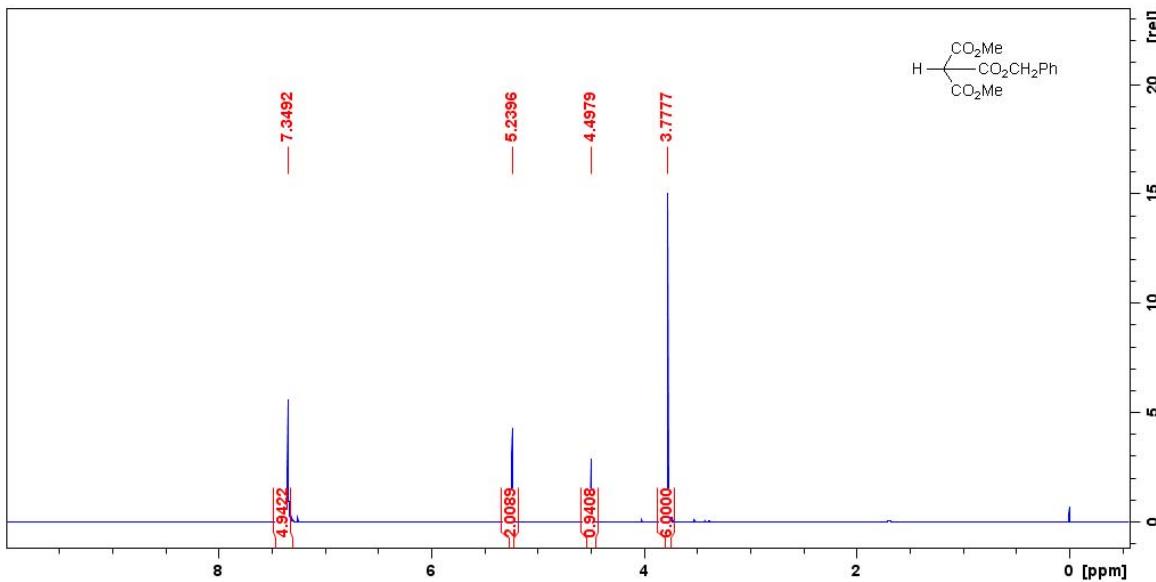
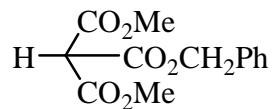


Figure S7. ^1H NMR spectrum.

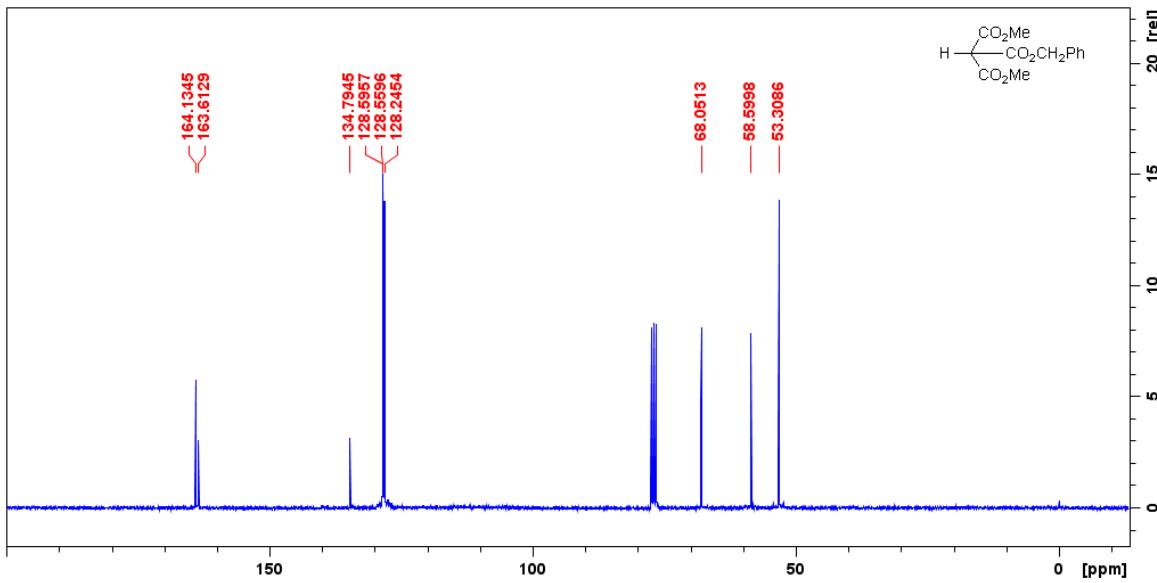


Figure S8. ^{13}C NMR spectrum.

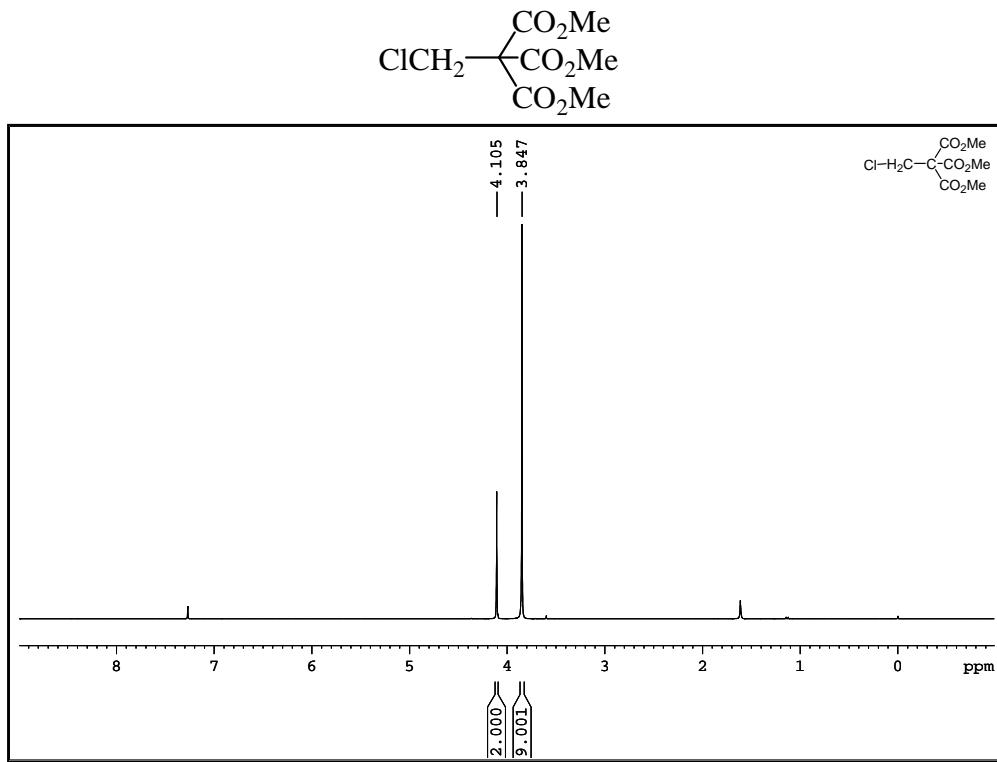


Figure S9. ¹H NMR spectrum.

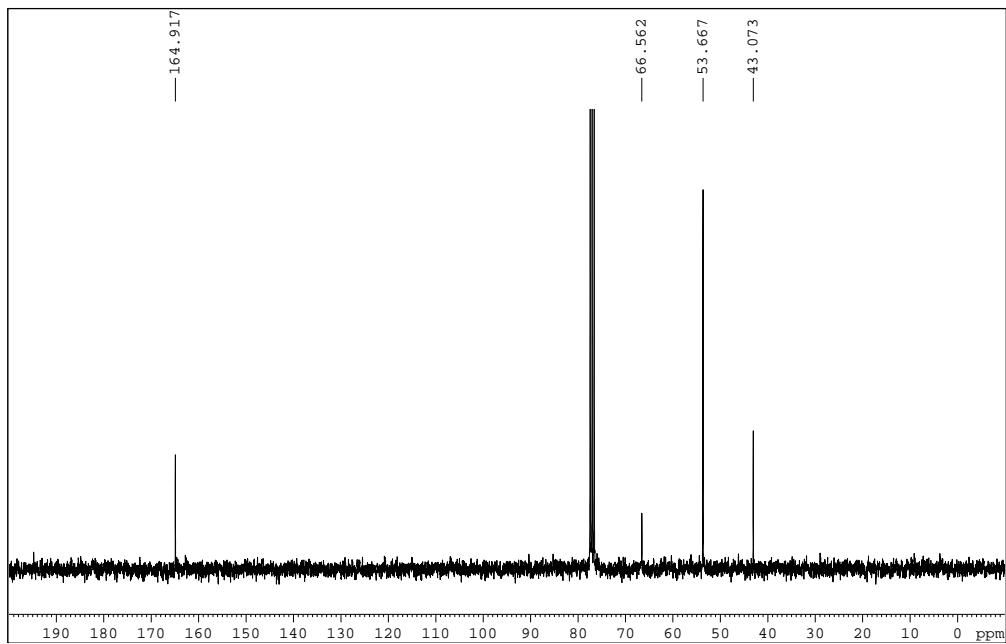


Figure S10. ¹³C NMR spectrum.

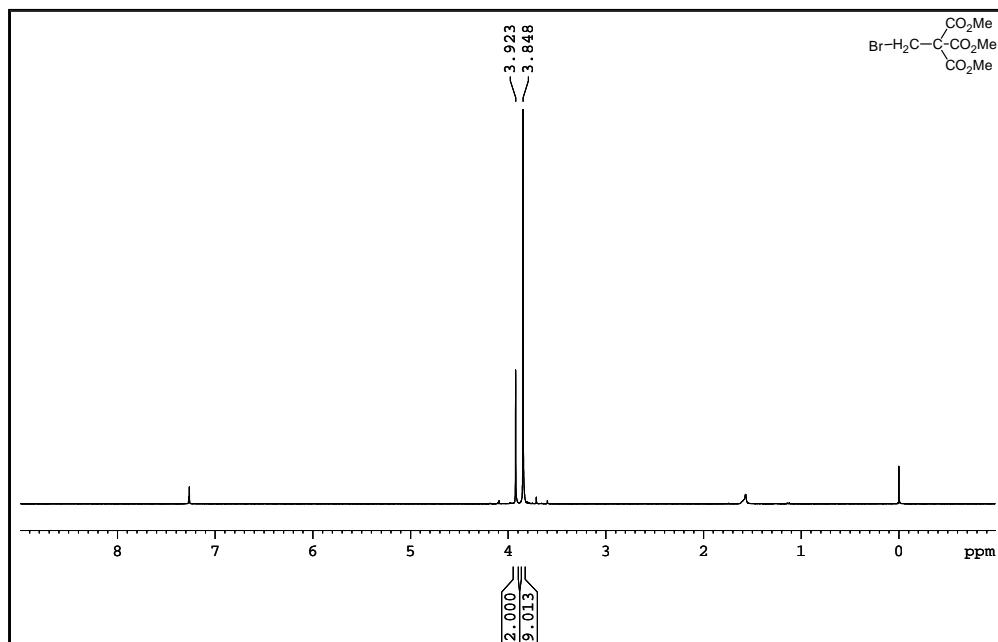
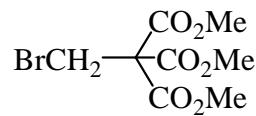


Figure S 11. ^1H NMR spectrum.

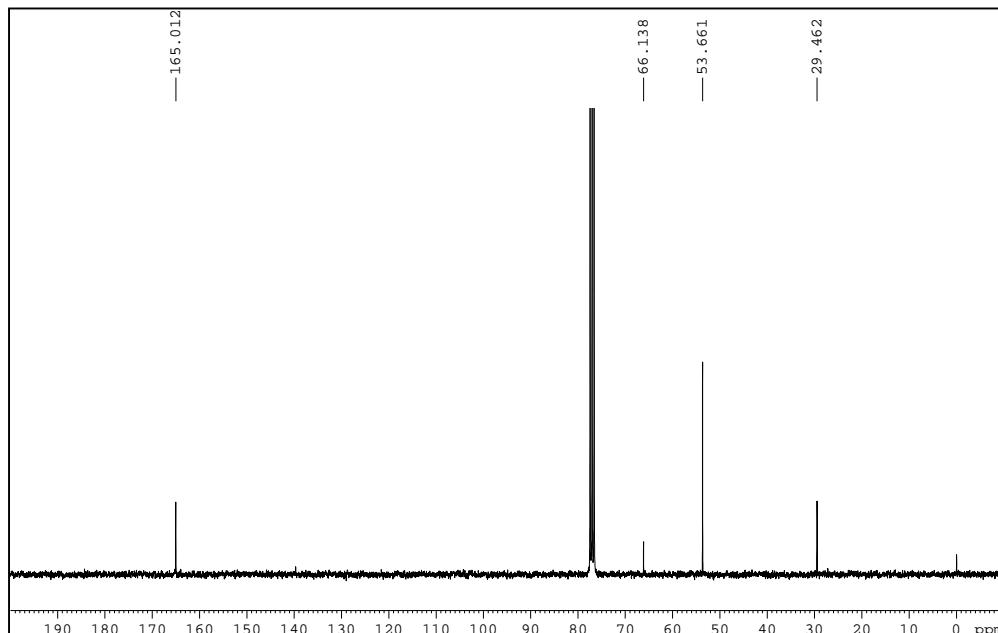


Figure S12. ^{13}C NMR spectrum.

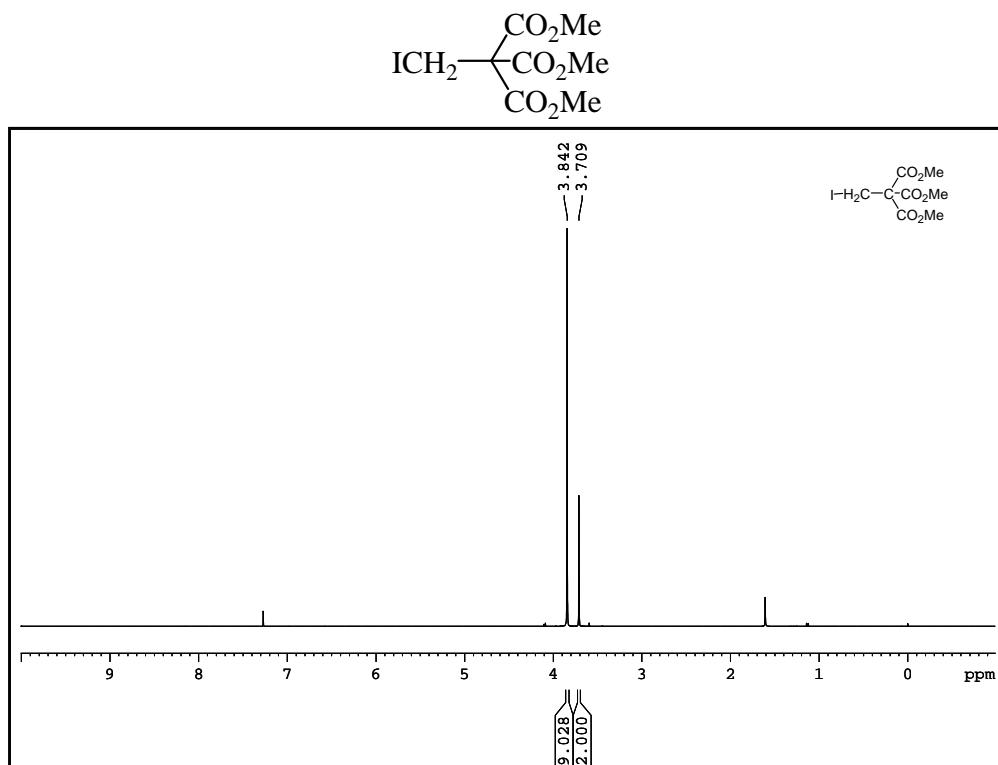


Figure S13. ^1H NMR spectrum.

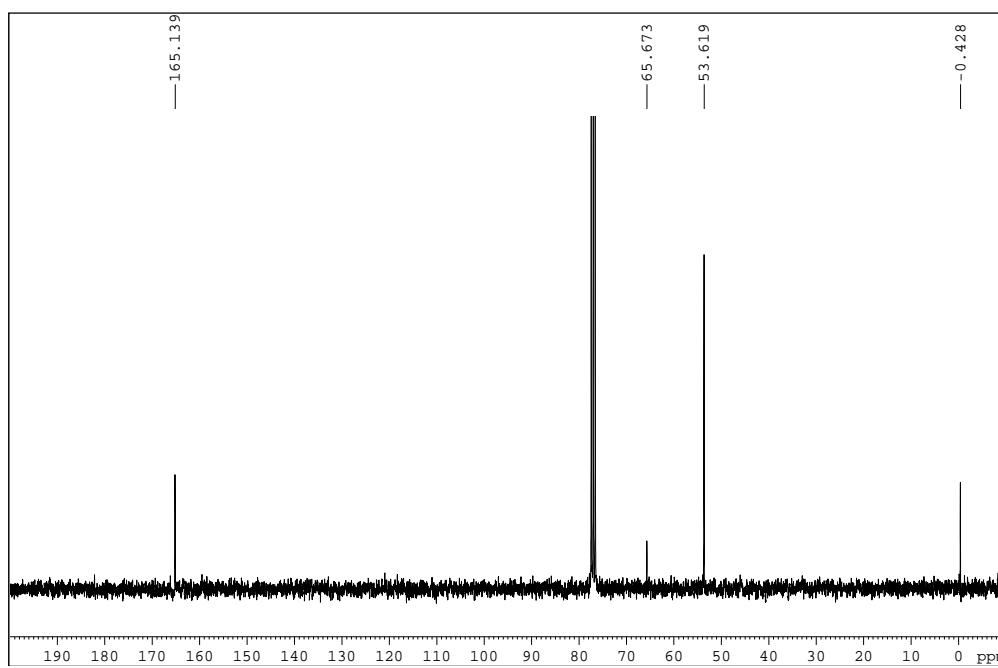


Figure S14. ^{13}C NMR spectrum.

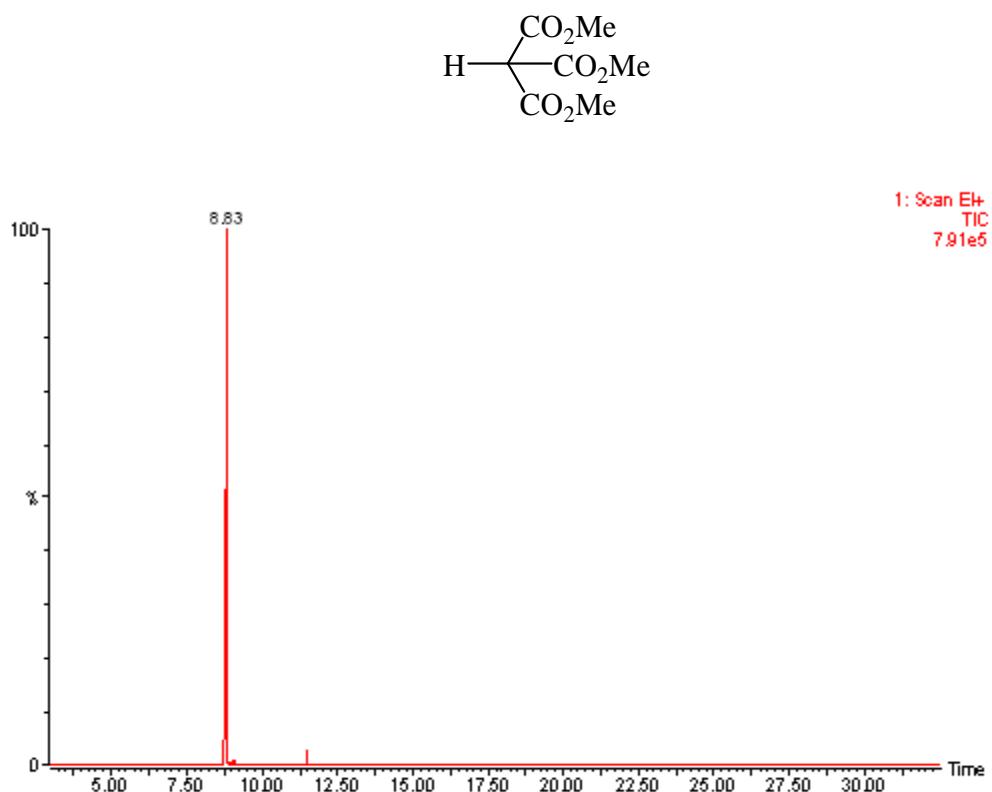


Figure S15. GC chromatogram.

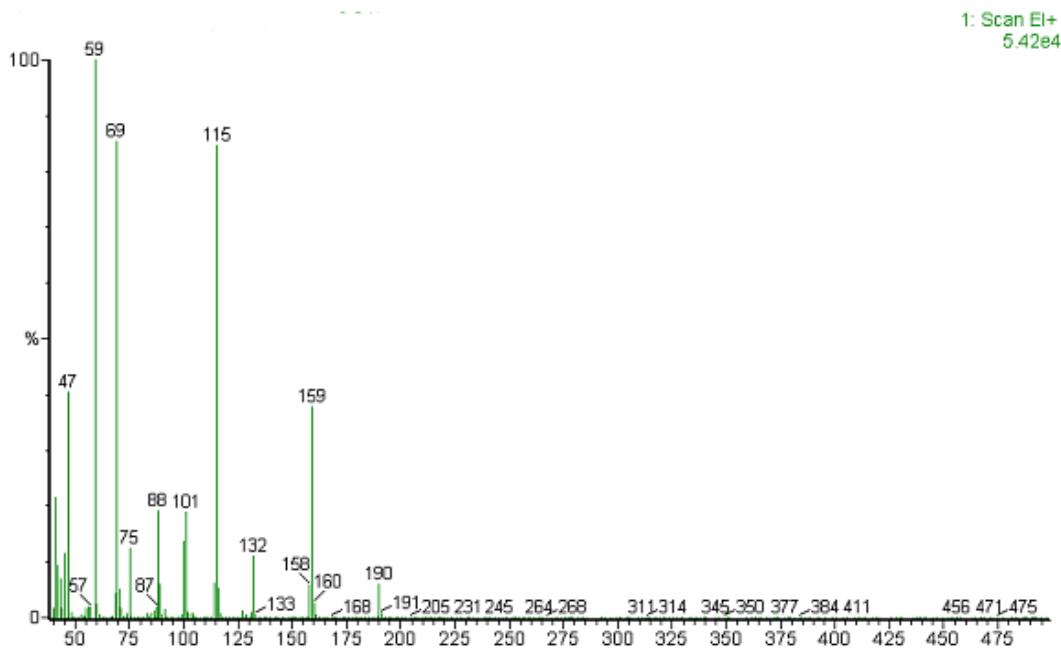
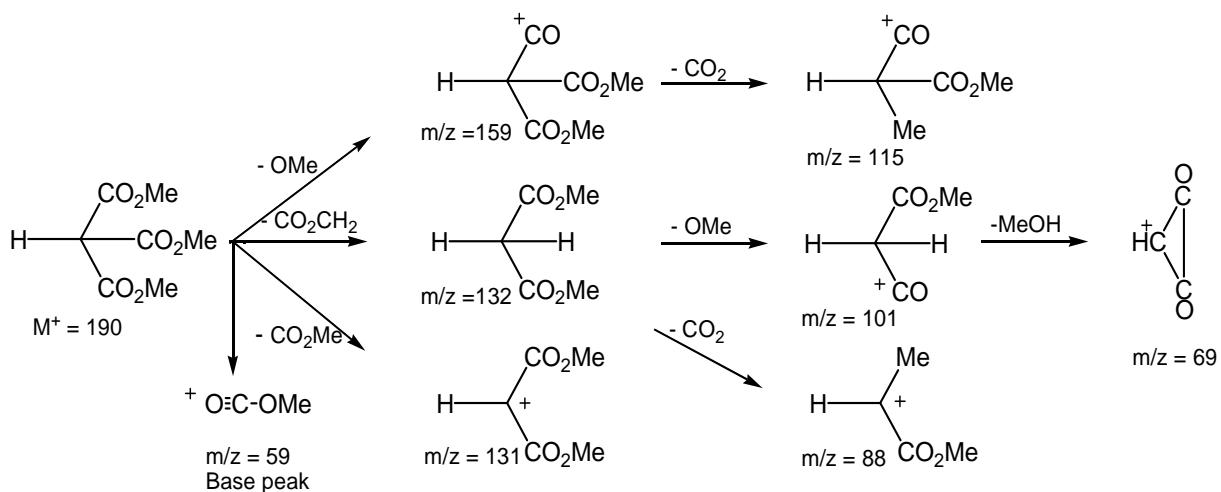
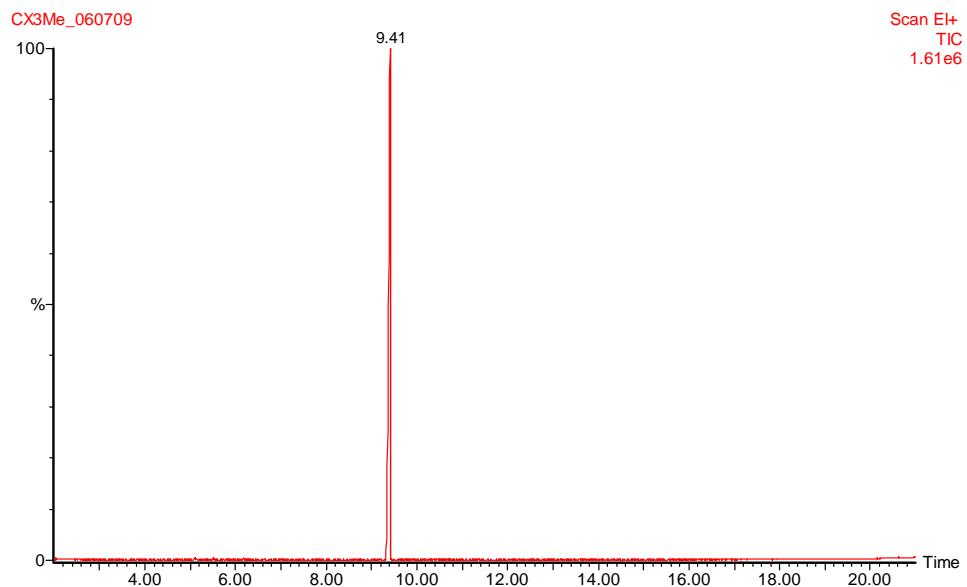
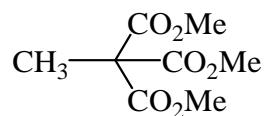


Figure S16. Mass spectrum rt 8.83 min.

**Figure S17.** Proposed fragmentation pathway.**Figure S18.** GC chromatogram.

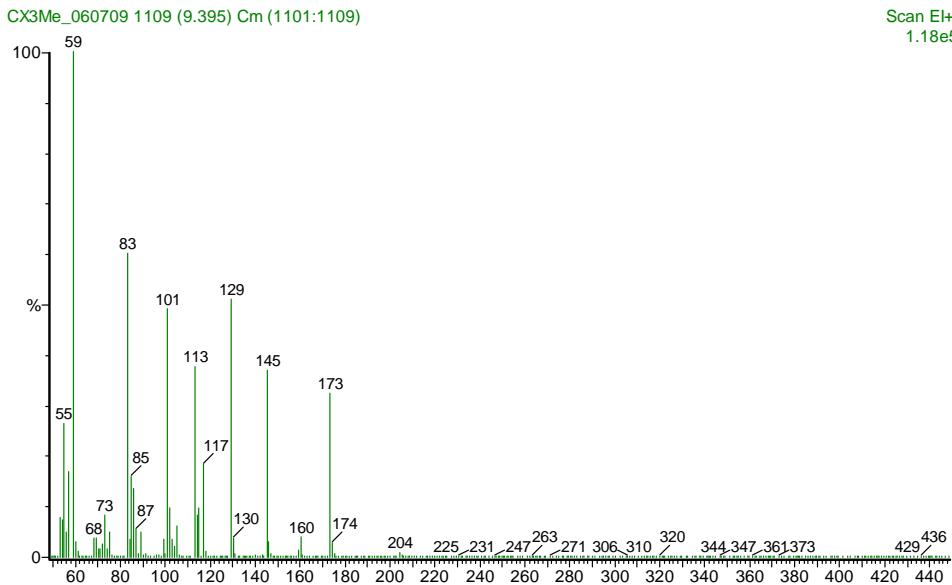


Figure S19. Mass spectrum rt 9.41 min.

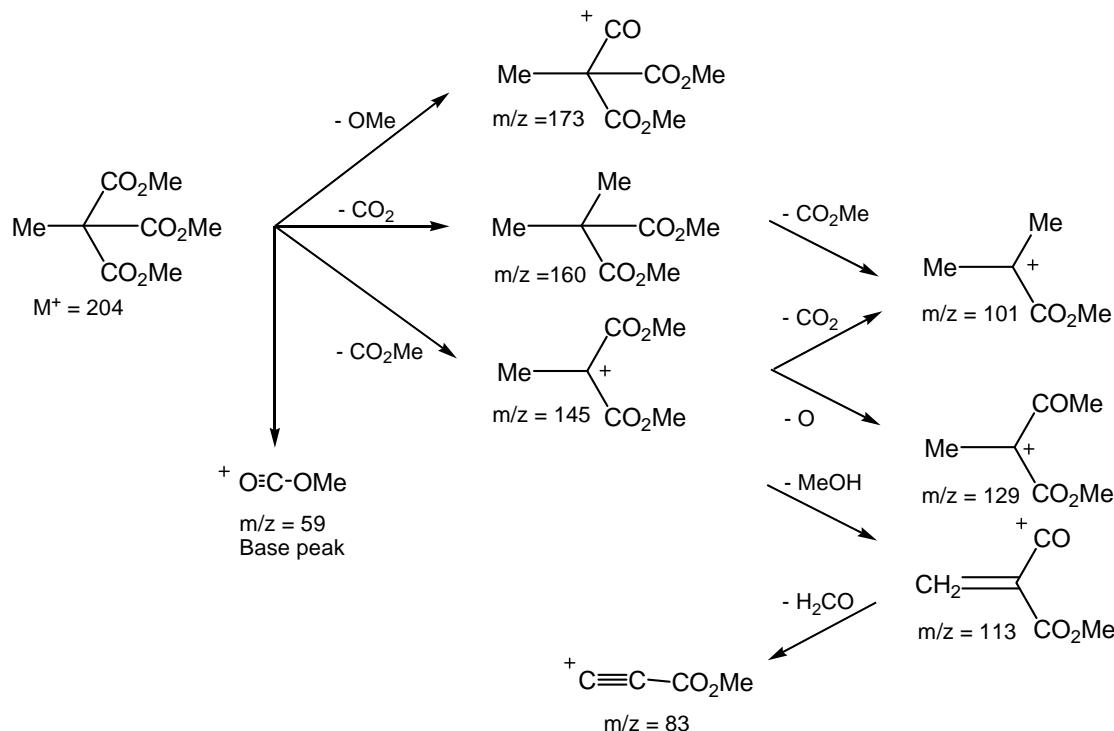


Figure S20. Proposed fragmentation pathway.

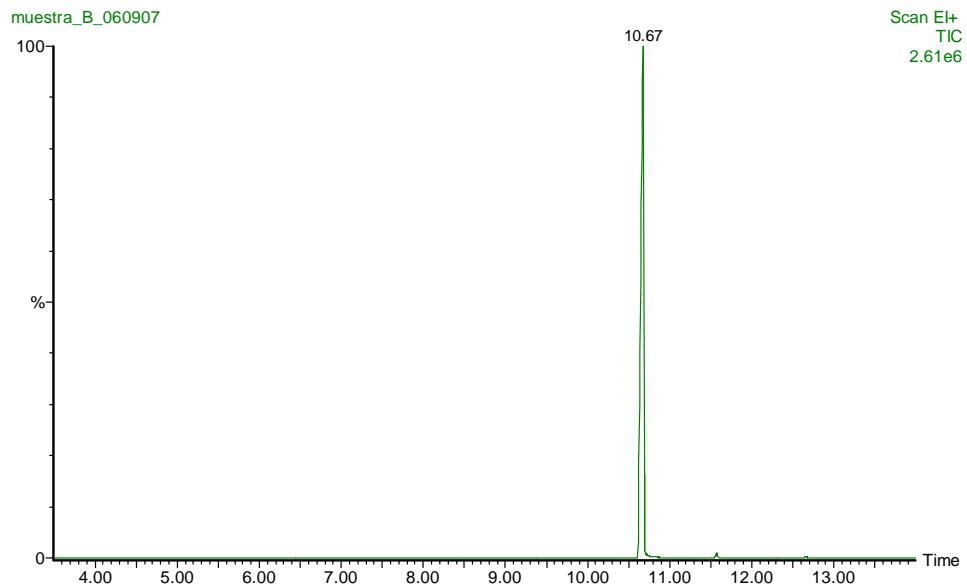
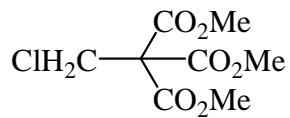


Figure S21. GC chromatogram.

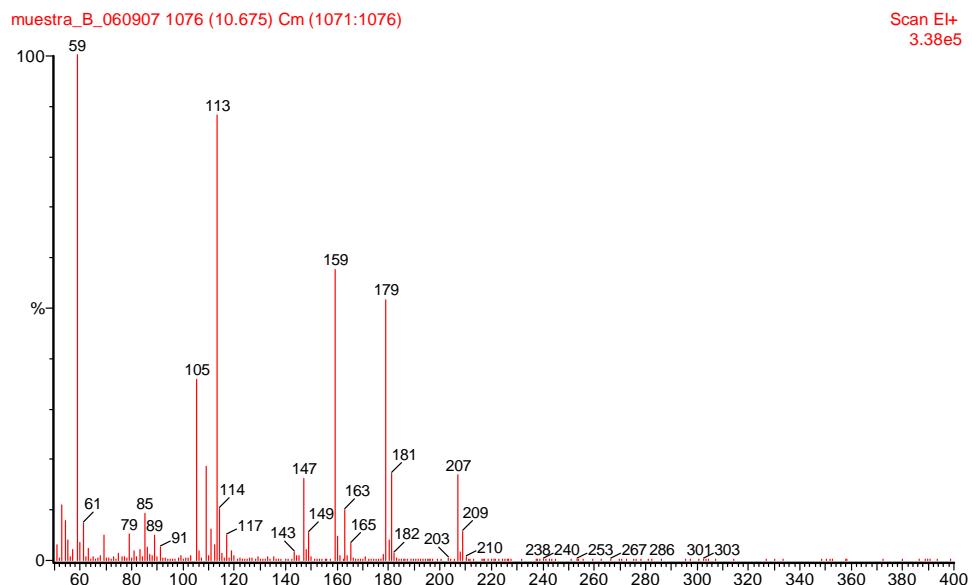
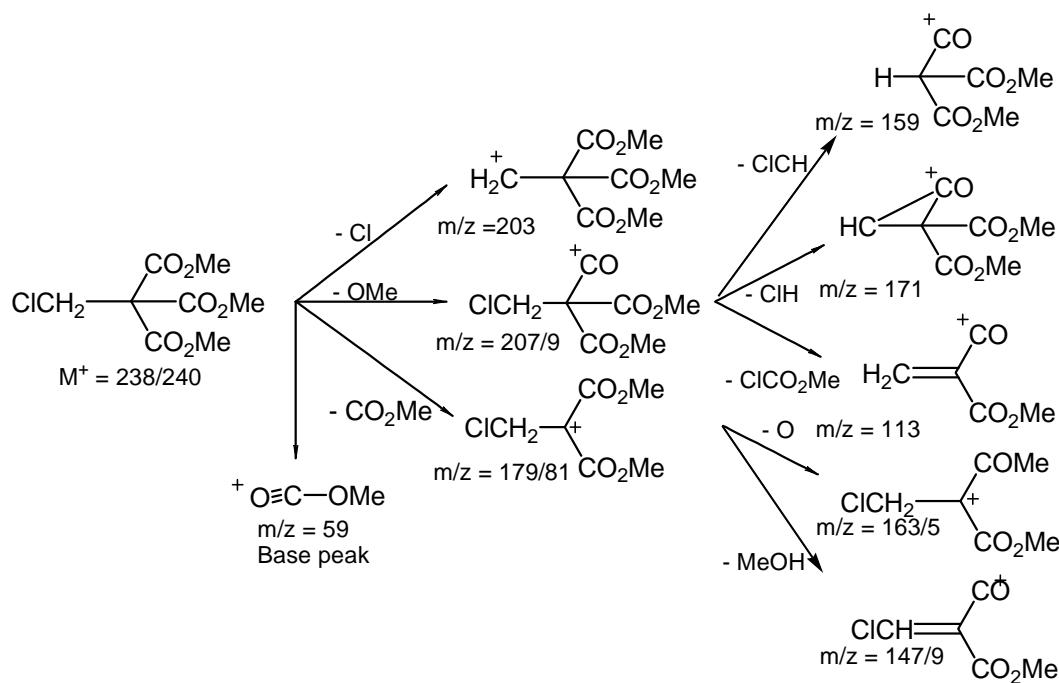
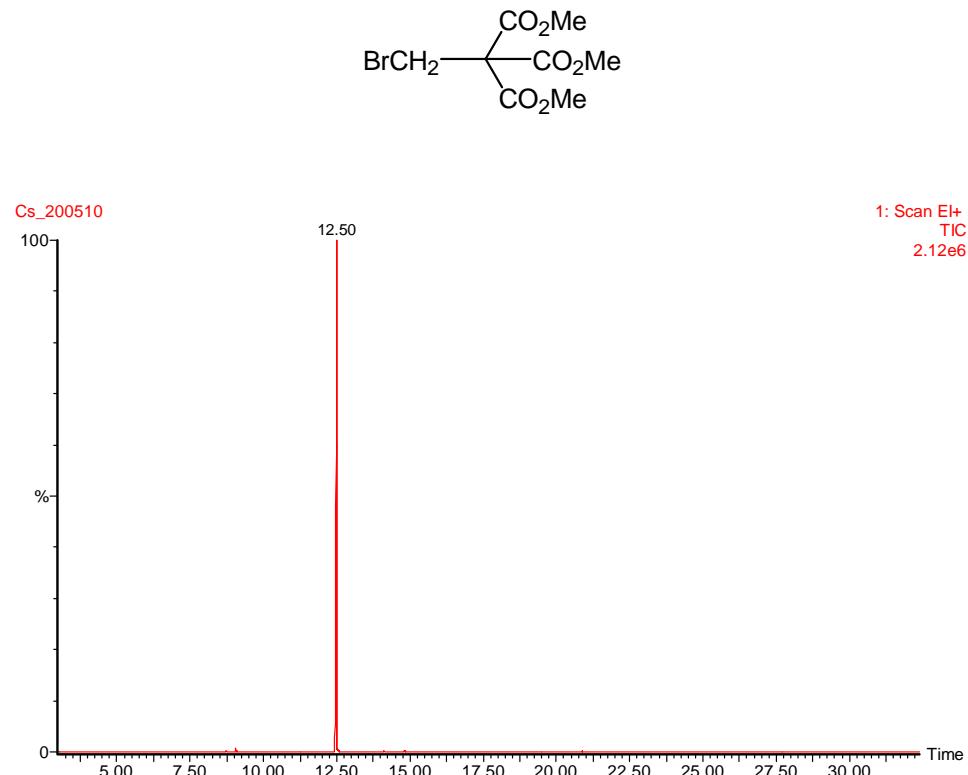


Figure S22. Mass spectrum rt 10.67 min.

**Figure S23.** Proposed fragmentation pathway .**Figure S24.** GC chromatogram.

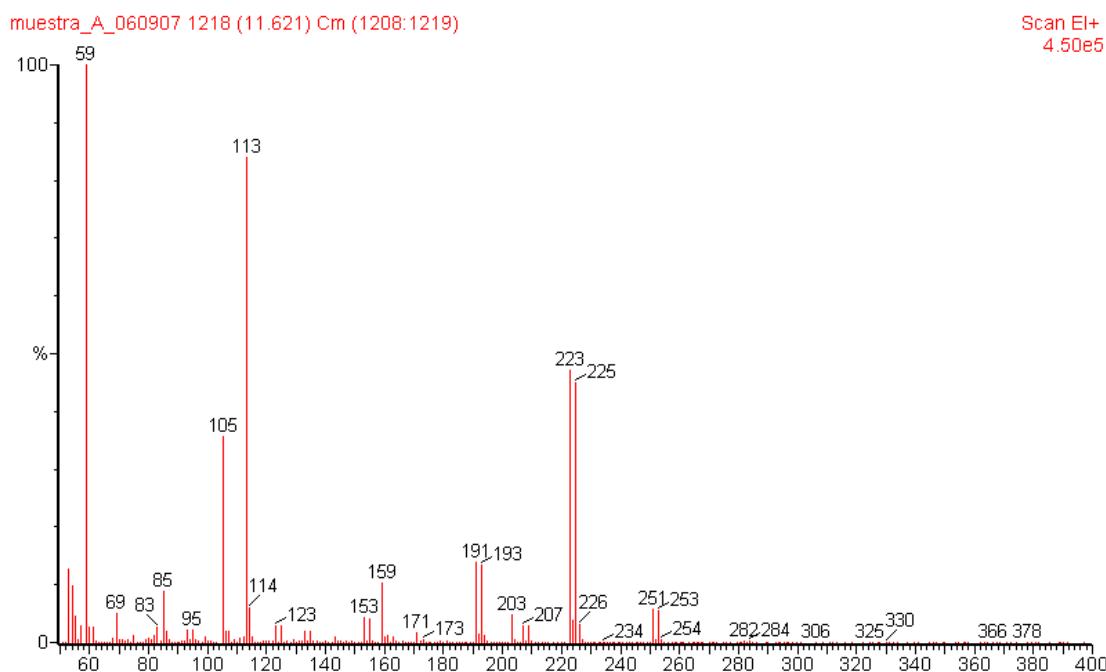


Figure S25. Mass spectrum rt 12.50 min.

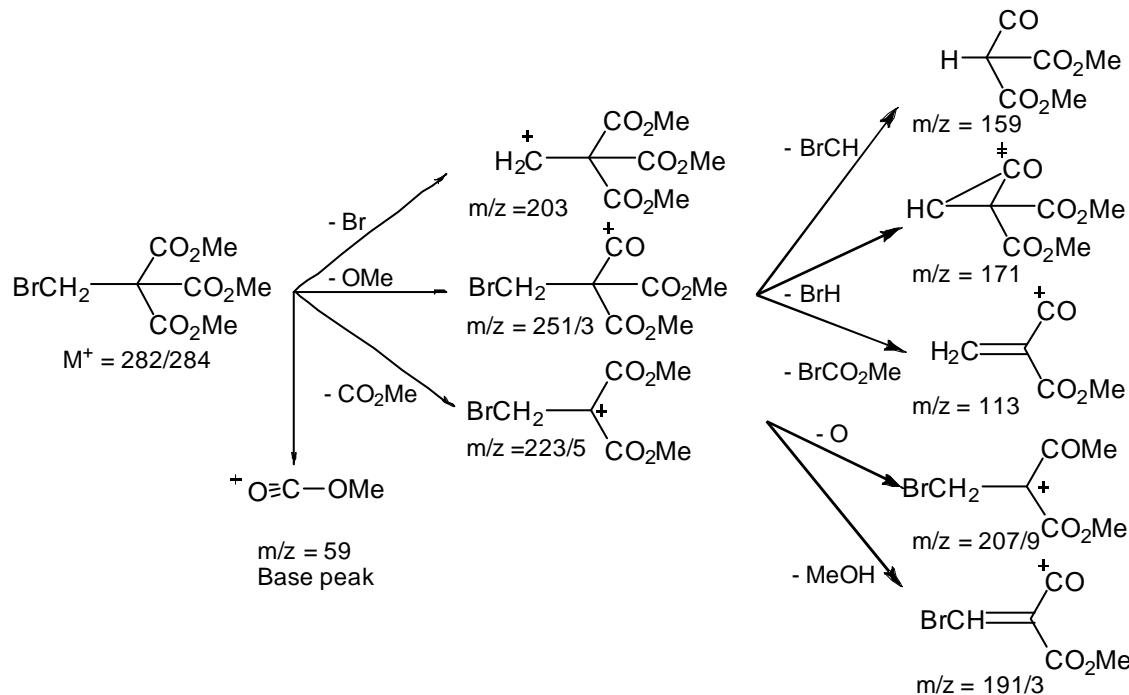
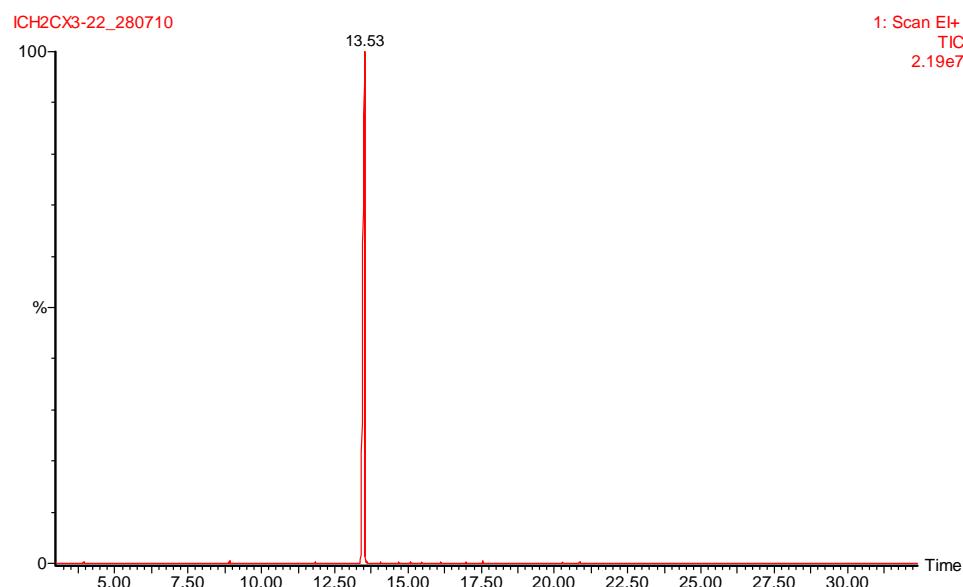
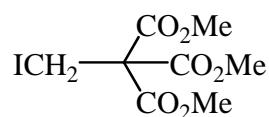
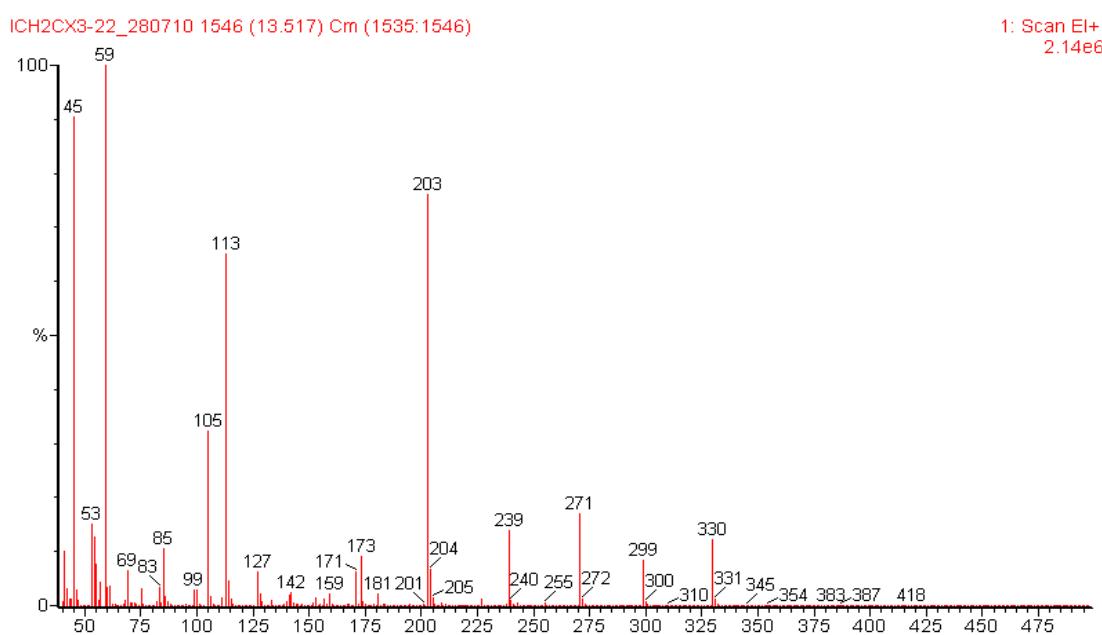
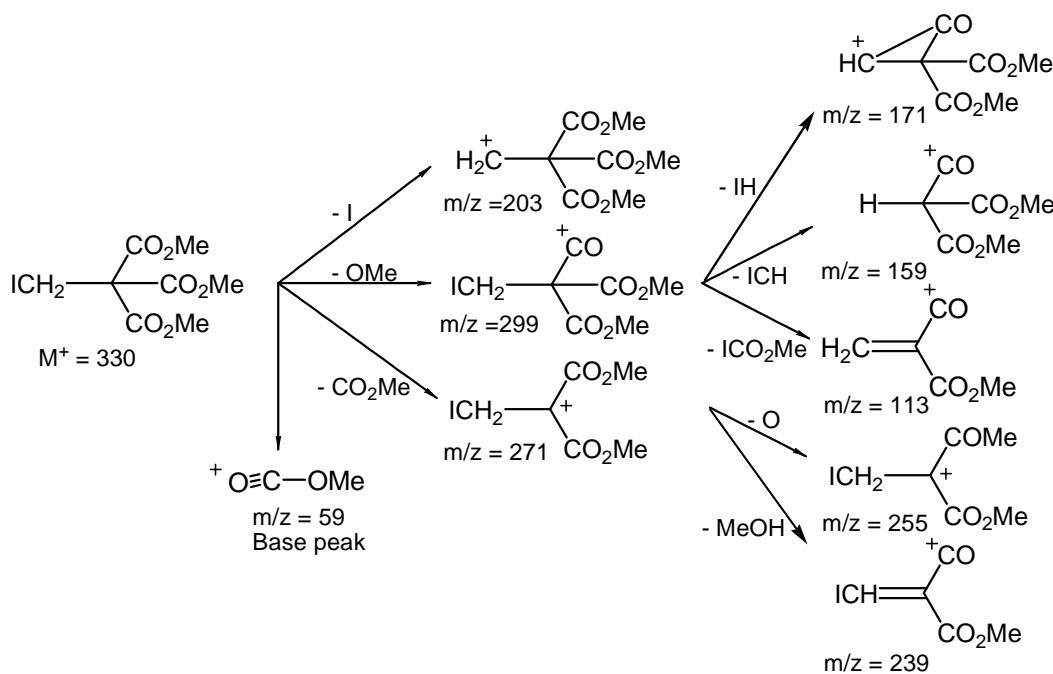
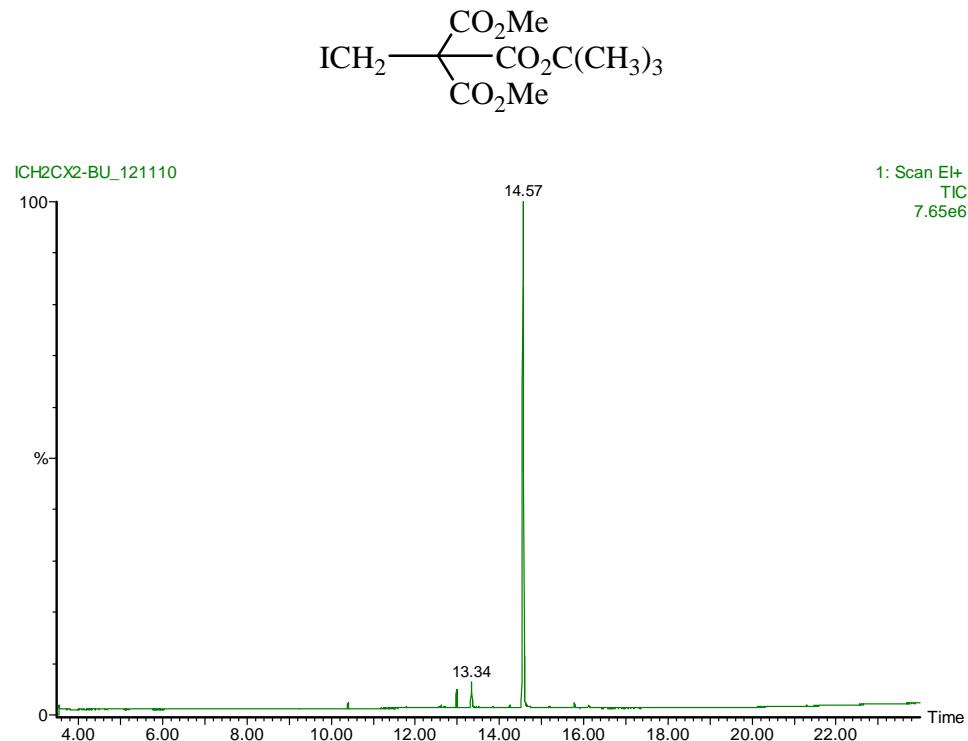


Figure S26. Proposed fragmentation pathway.

**Figure S27.** GC chromatogram.**Figure S28.** Mass spectrum rt 13.53 min.

**Figure S29.** Proposed fragmentation pathway.**Figure S30.** GC chromatogram.

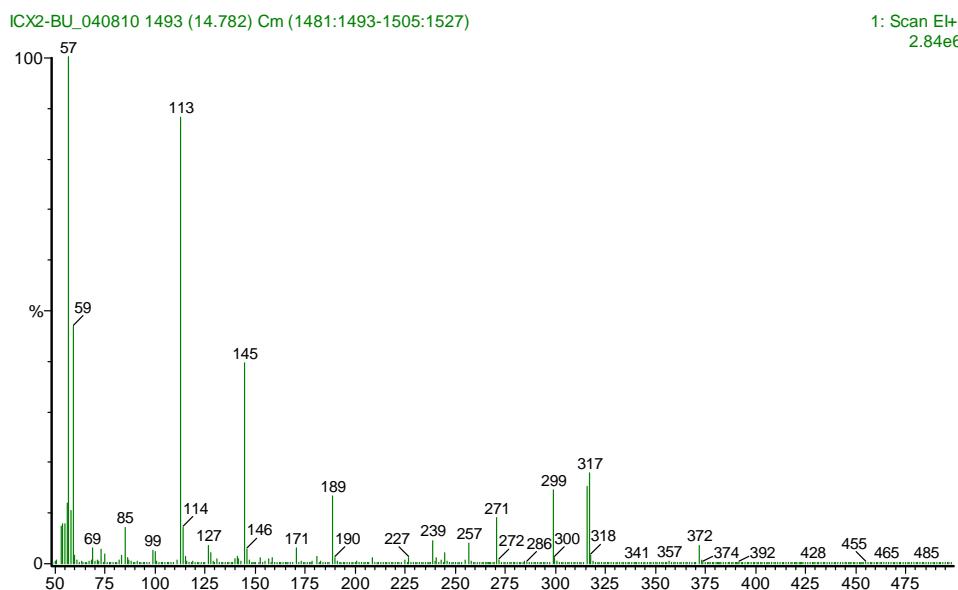


Figure S31. Mass spectrum rt 14.57 min.

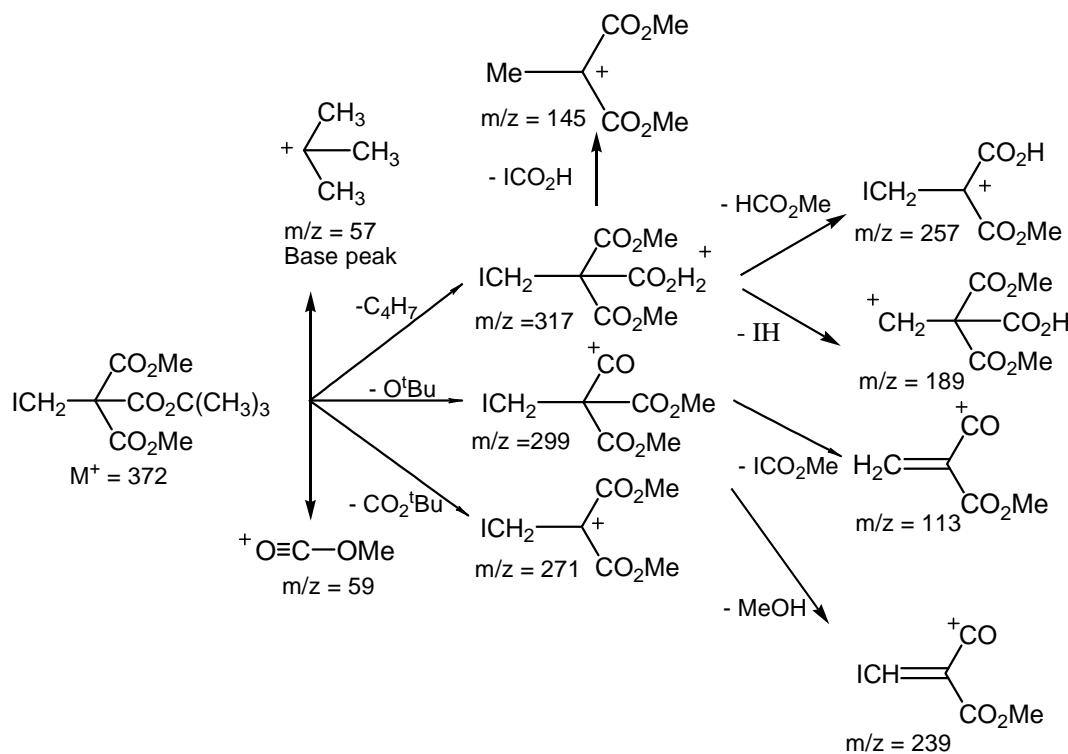
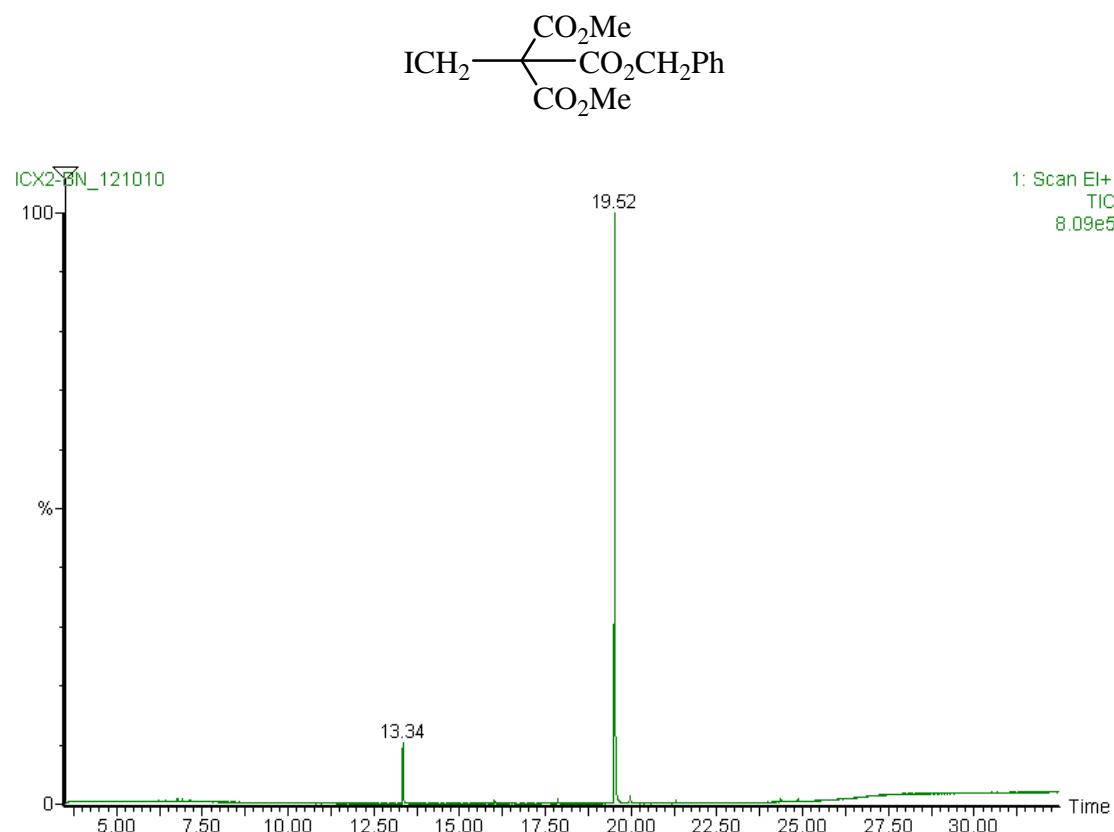
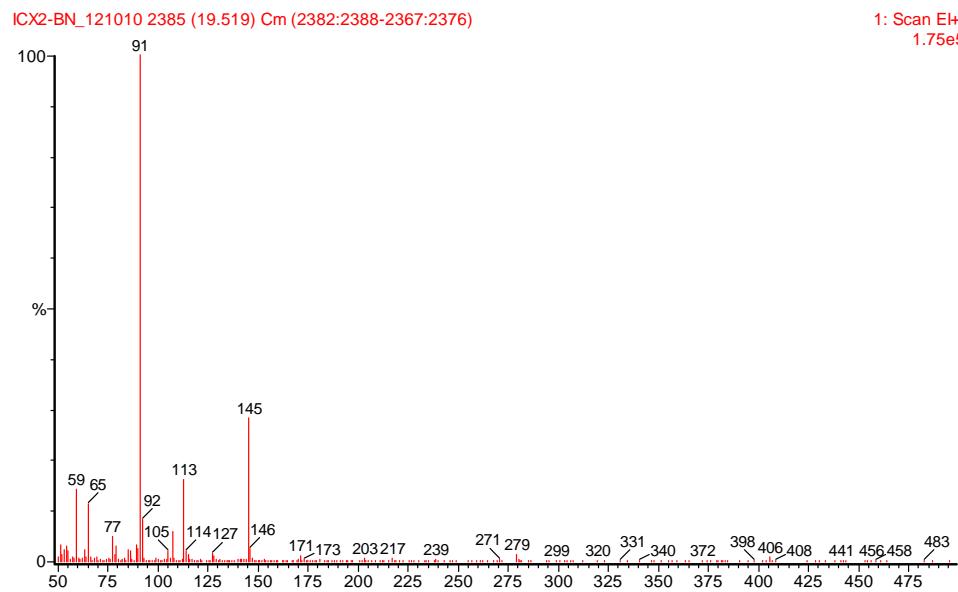
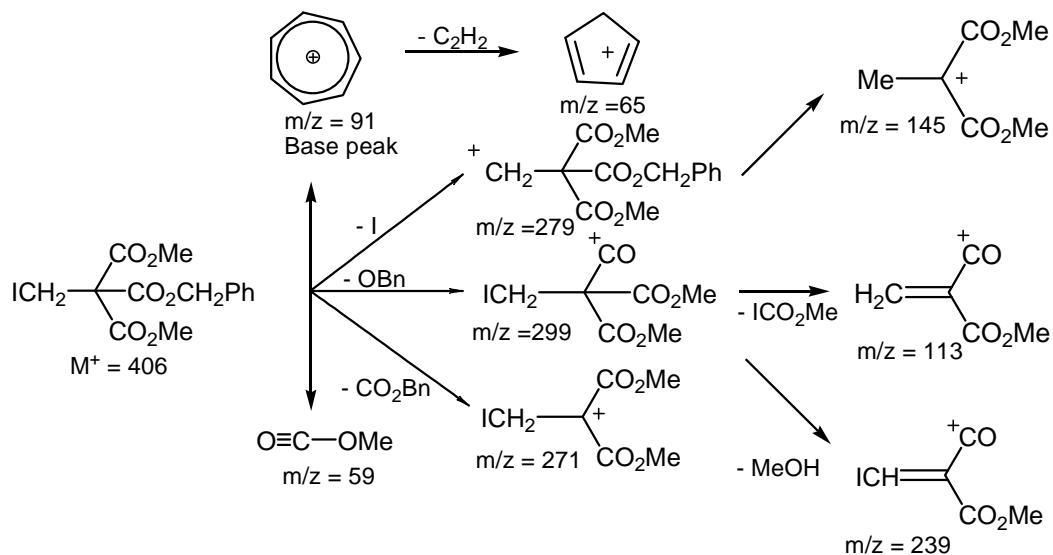
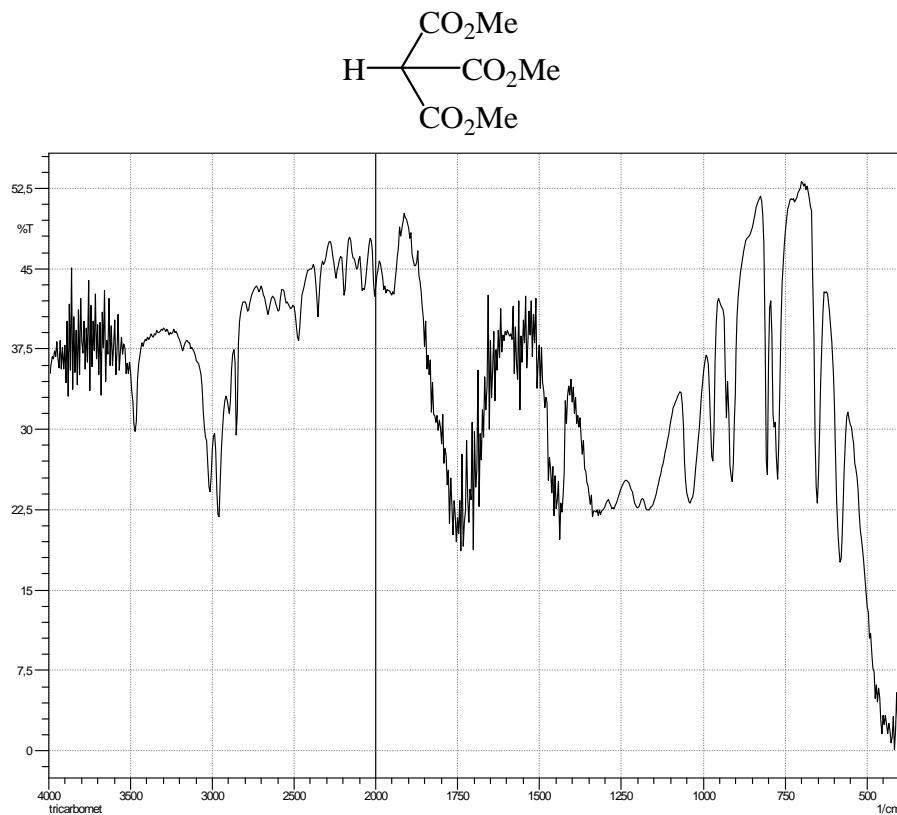
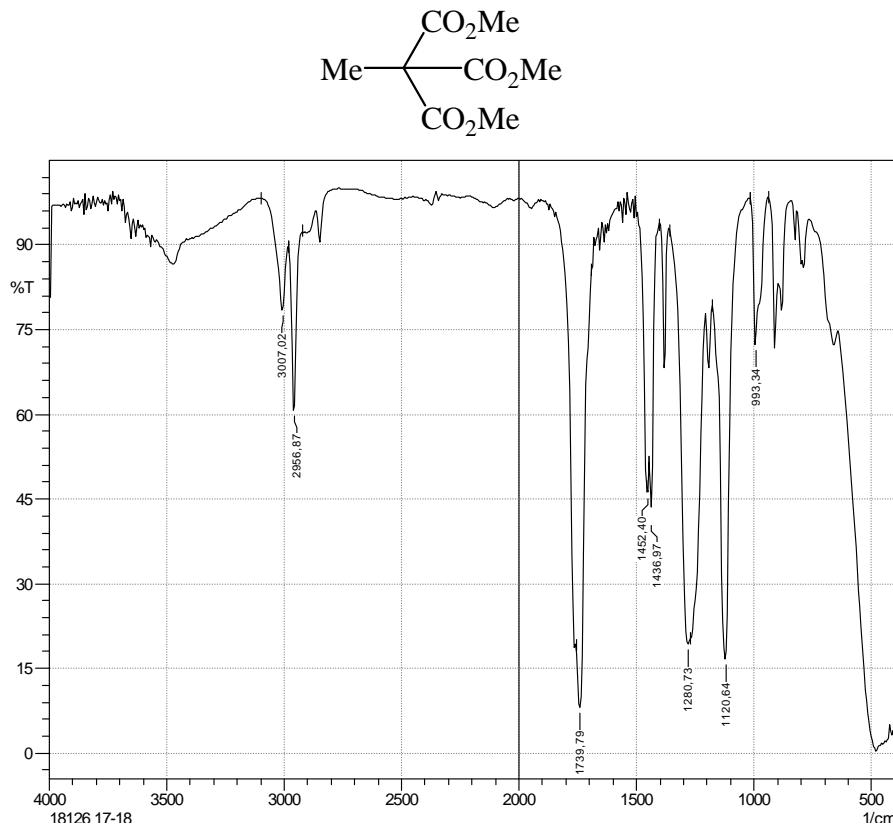
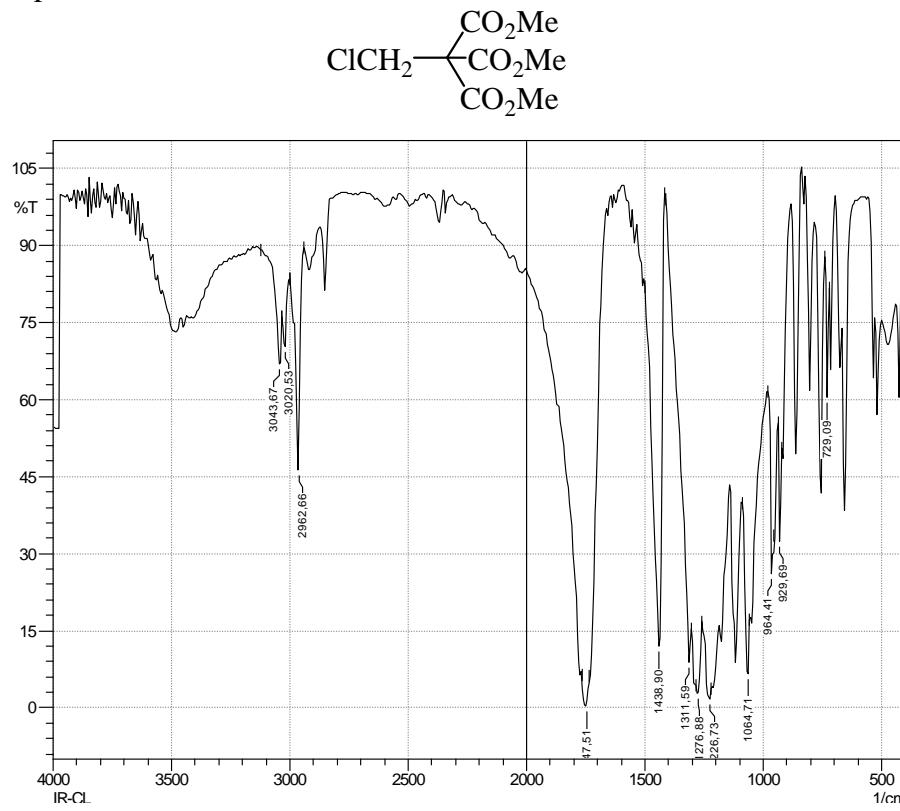
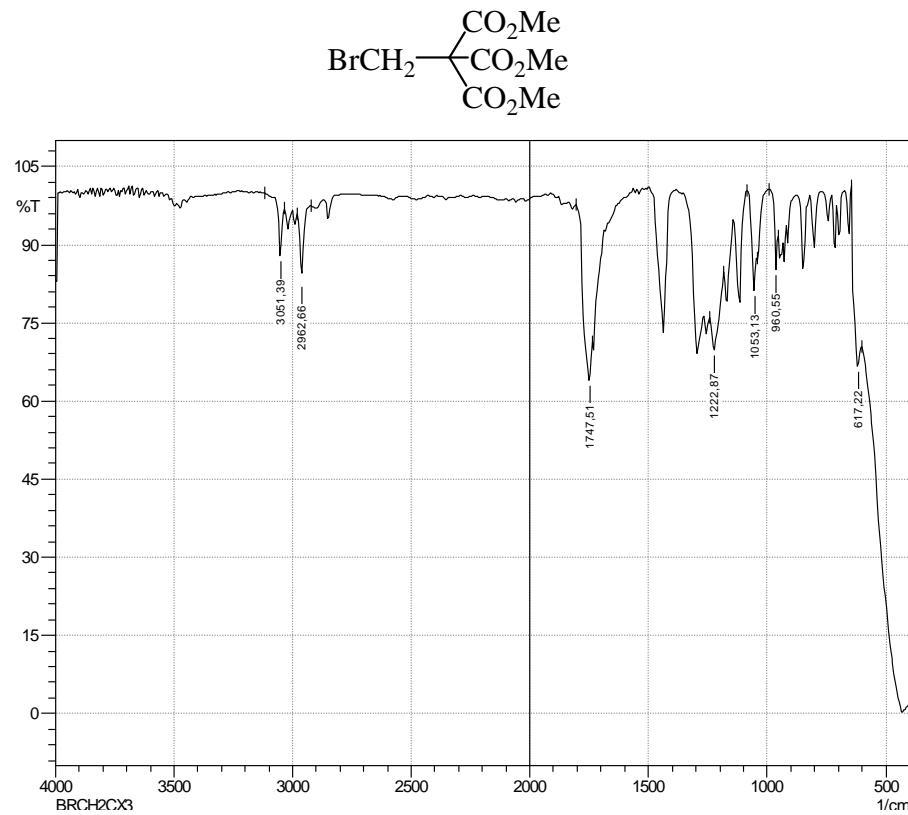
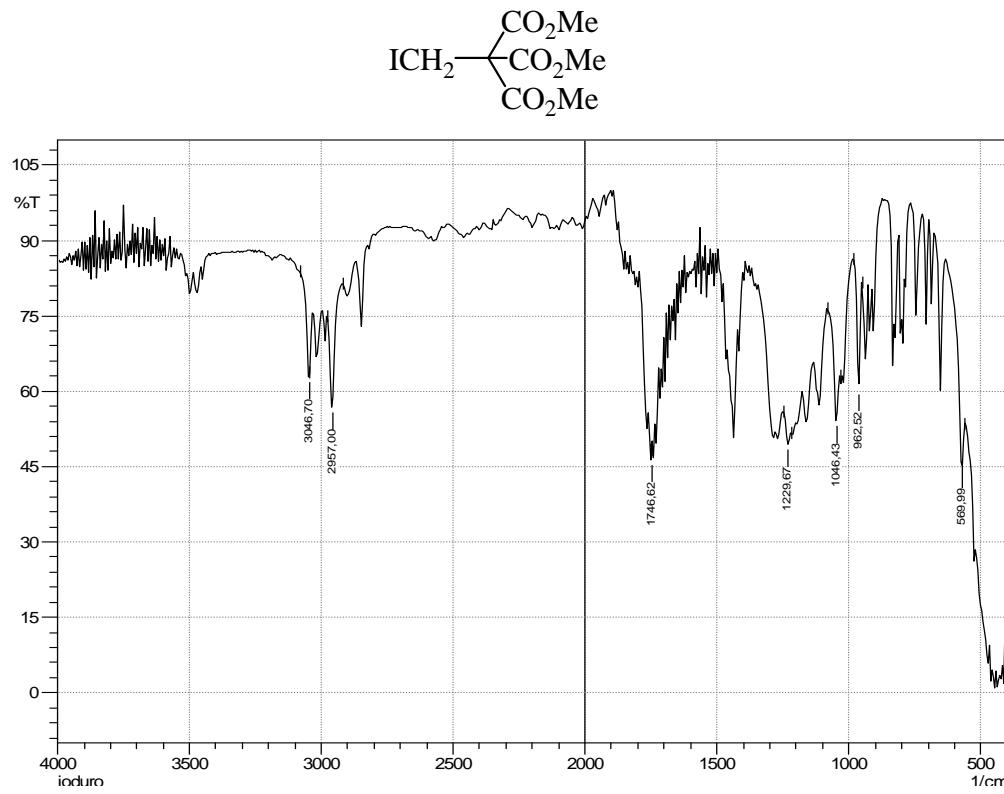


Figure S32. Proposed fragmentation pathway.

**Figure S33.** GC chromatogram.**Figure S34.** Mass spectrum rt 19.52 min.

**Figure S35.** Proposed fragmentation pathway.**Figure S36.** IR spectrum.

**Figure S37.** IR spectrum.**Figure S38.** IR spectrum.

**Figure S39.** IR spectrum.**Figure S40.** IR spectrum.