

Electronic Supporting Information

**Palladium-catalyzed cycloisomerization of (Z)-enynols into furans
using green solvents: Glycerol vs water**

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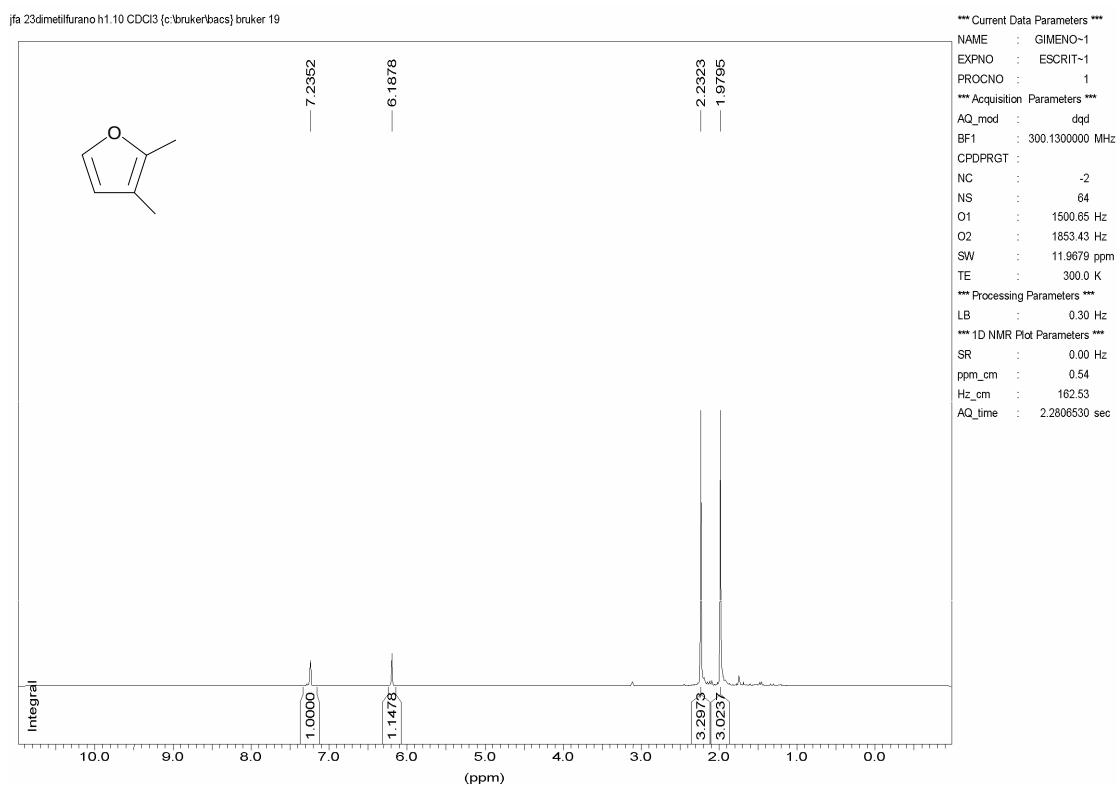
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Organometálica “Enrique Moles” (Unidad Asociada al CSIC), Universidad de Oviedo,
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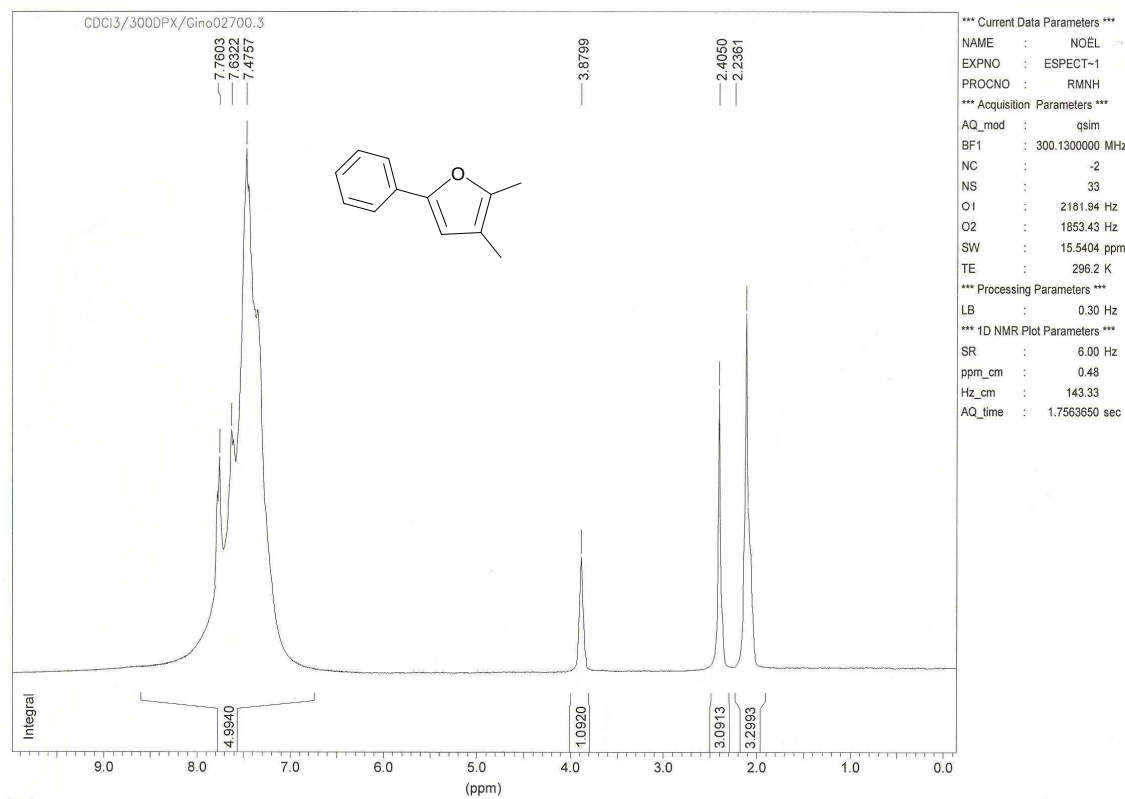
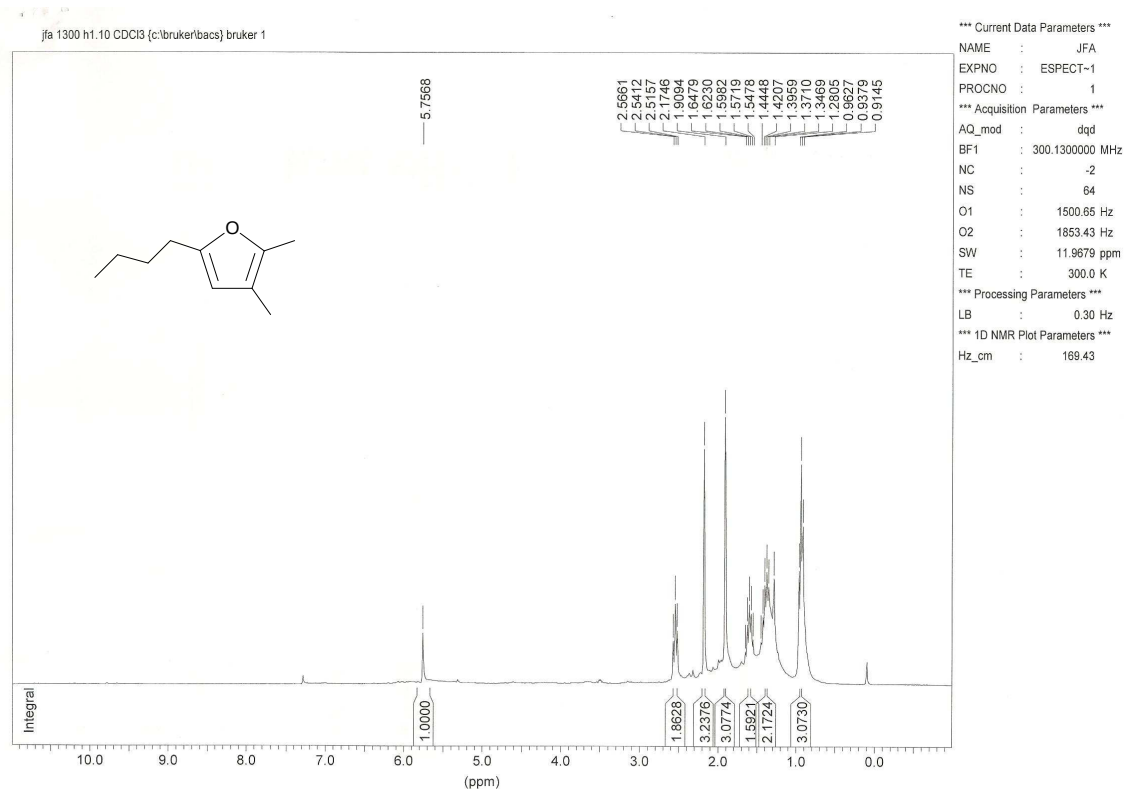
Fax: (34)985103446; Tel: (34)985102985; e-mail: vcm@uniovi.es (V.C.)

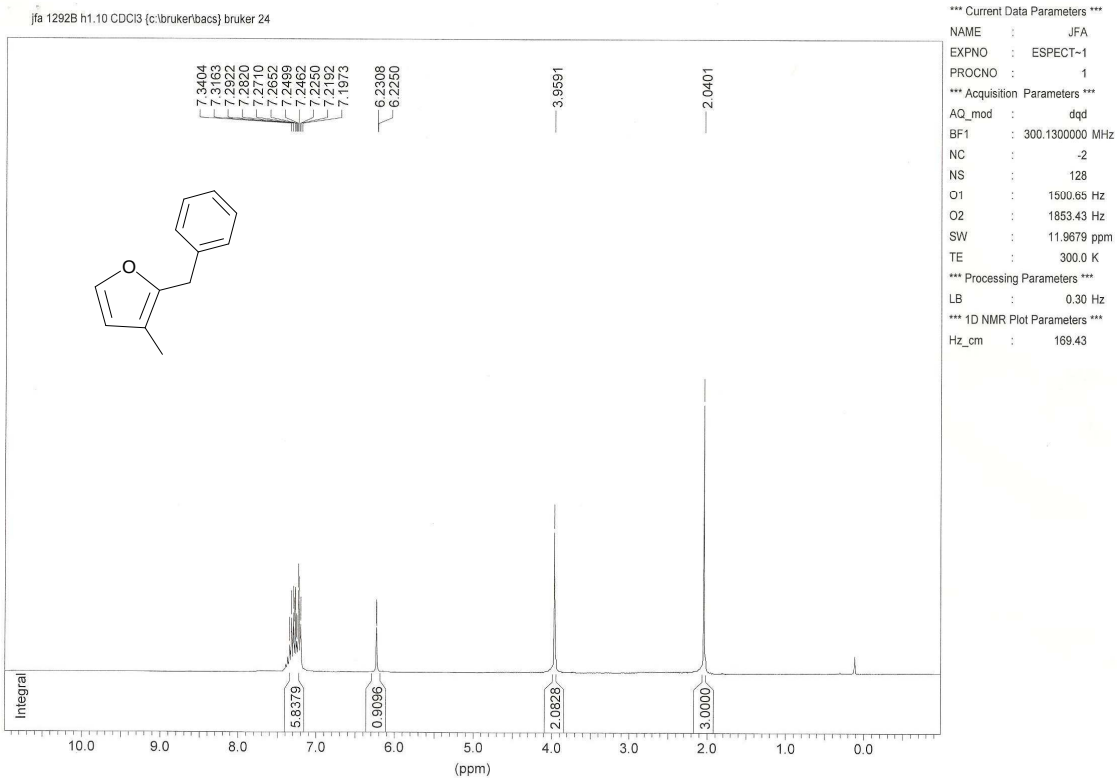
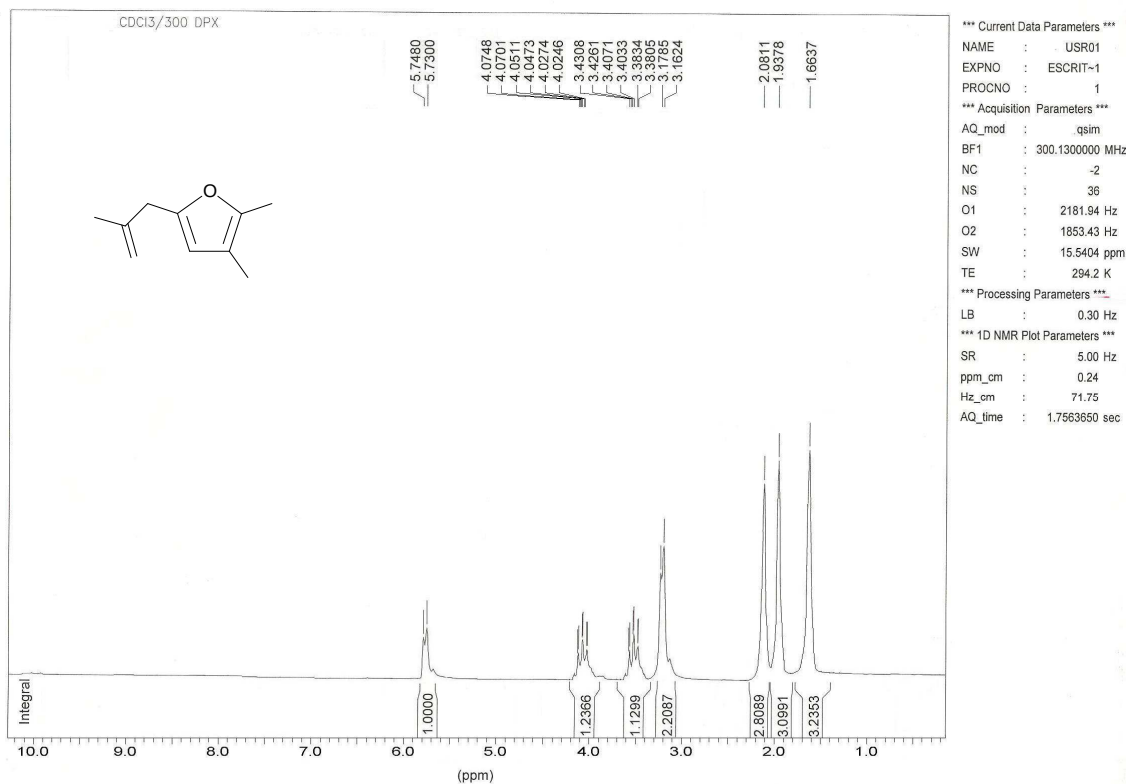
Copies of the ^1H NMR and GC/MS spectra of all isolated furans, as well as gas chromatographs of the reactions collected in Table 2.

General Comments: ^1H NMR spectra were recorded on a Bruker DPX300 instrument at 300 MHz using CDCl_3 as solvent. GC/MS measurements were performed on a Agilent 6890N equipment coupled to a 5973 mass detector (70eV electron impact ionization) using a HP-1MS column. GC measurements were made on a Hewlett-Packard HP6890 equipment using a Supelco Beta-DexTM 120 (30 m, 250 μm) column.

^1H NMR spectra of isolated furans are as follows:

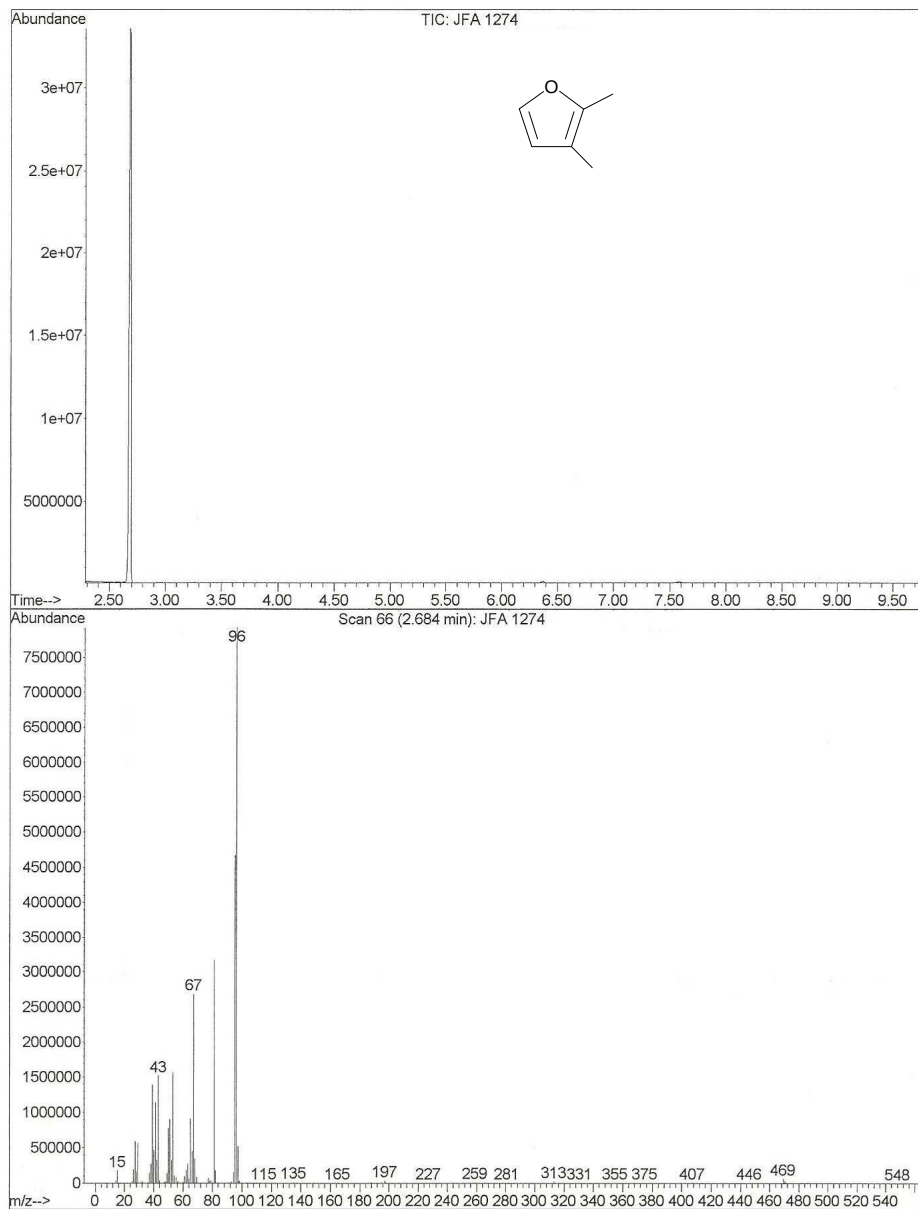




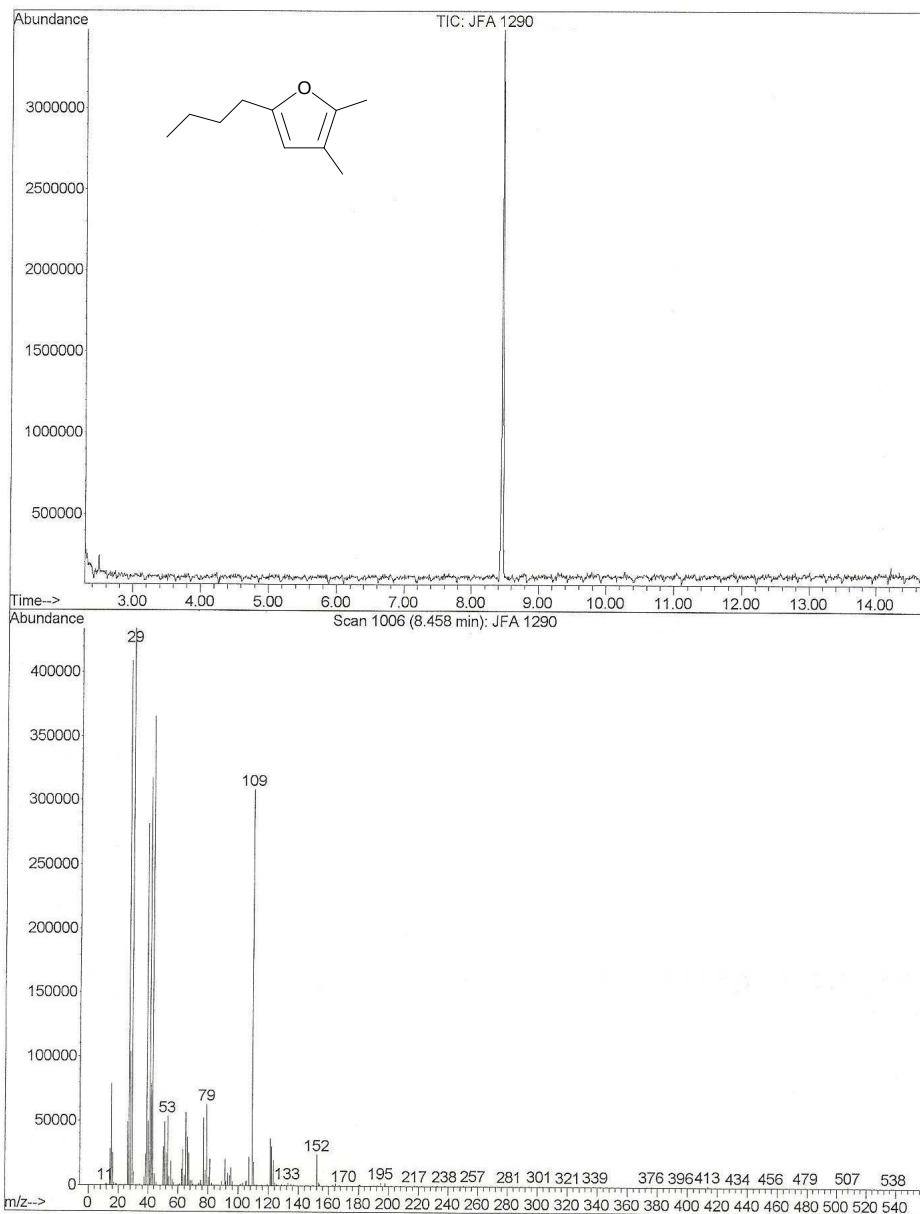


GC/MS spectra of isolated furans are as follows:

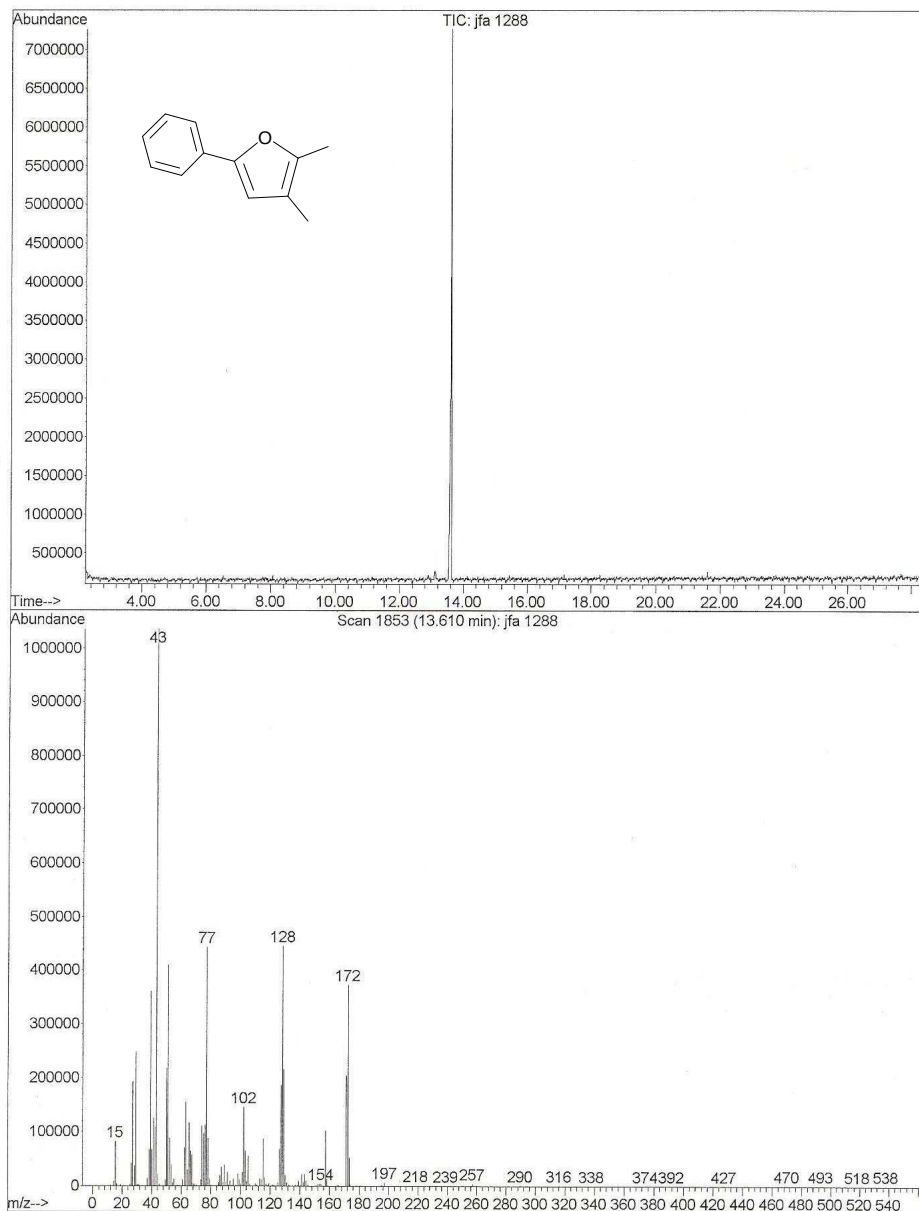
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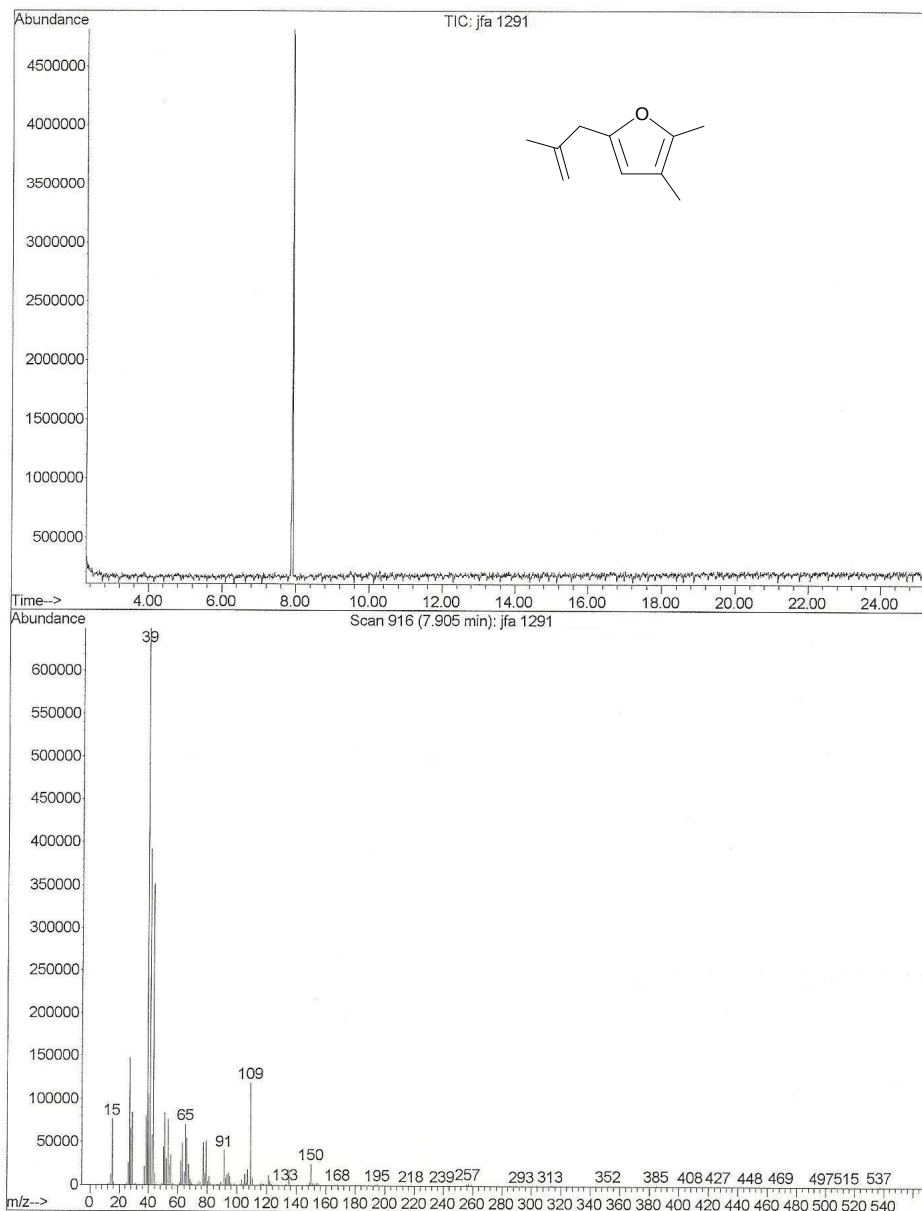
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Vial Number: 23



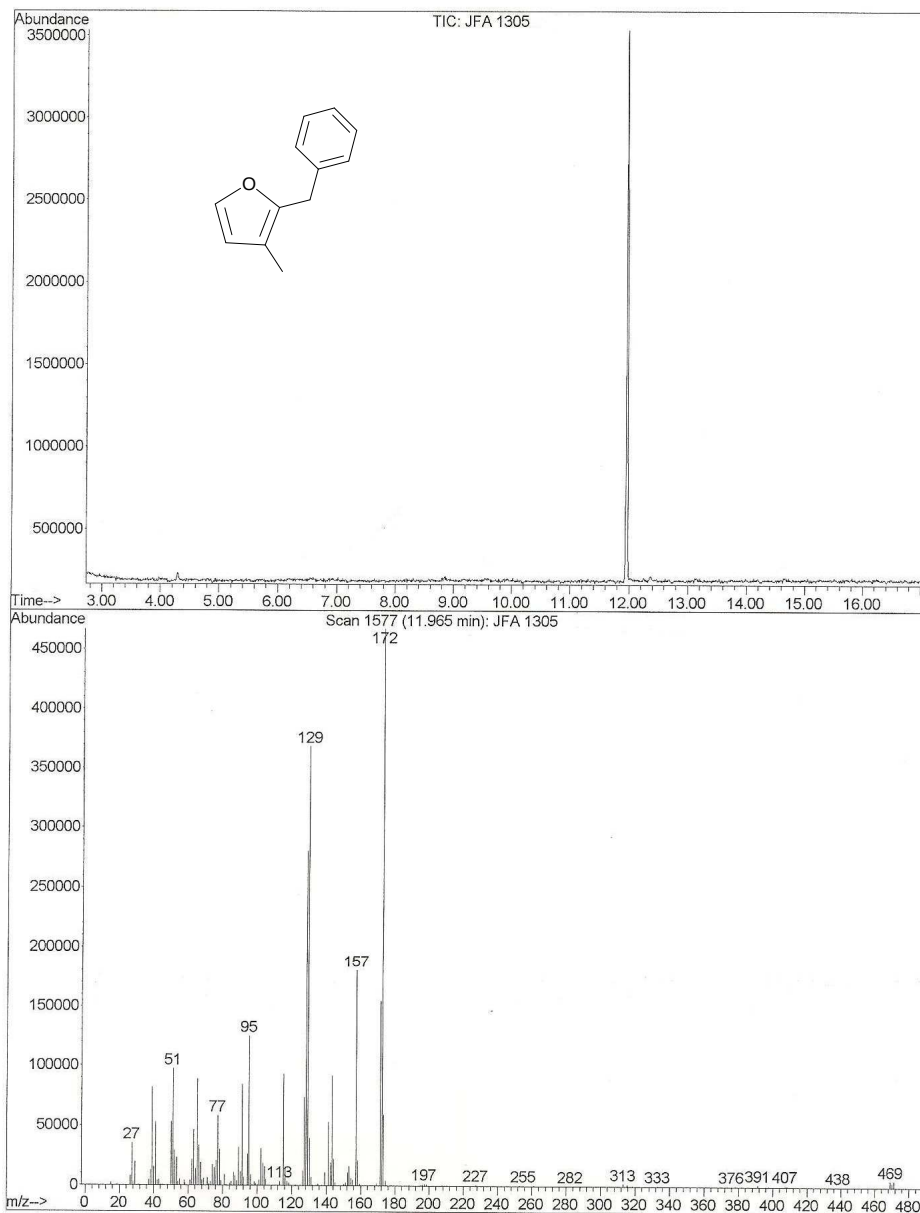
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Vial Number: 32



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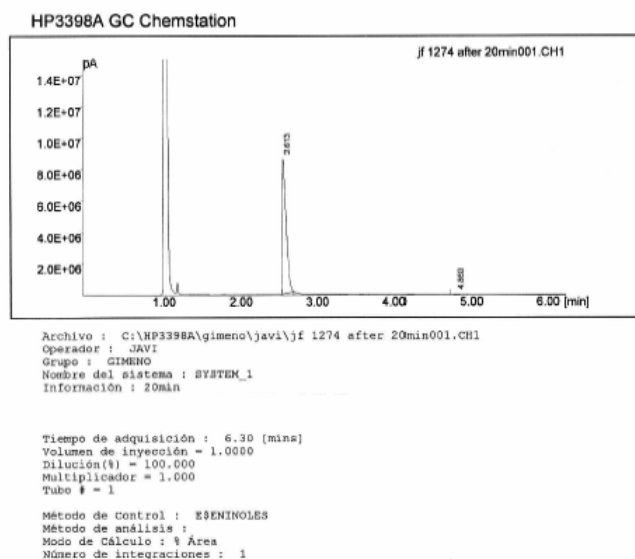


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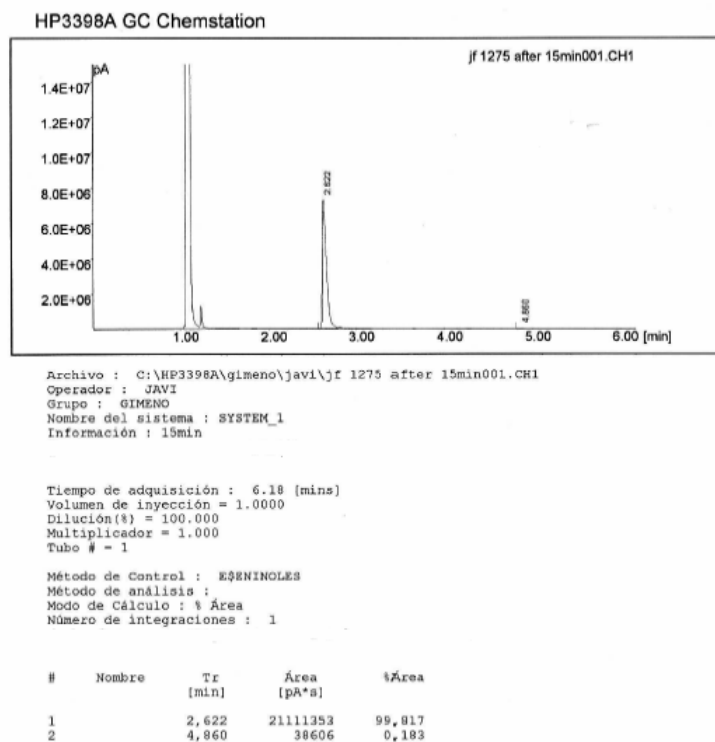


Gas chromatographs of the reactions collected in Table 2 are as follows:

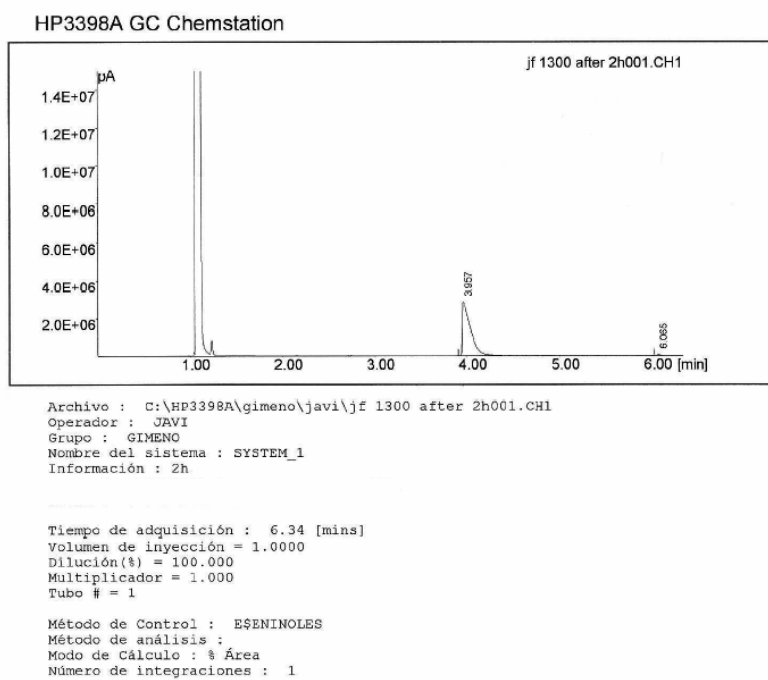
Entry 1: Tr = 2.6 min (furan), 4.8 min (enynol).



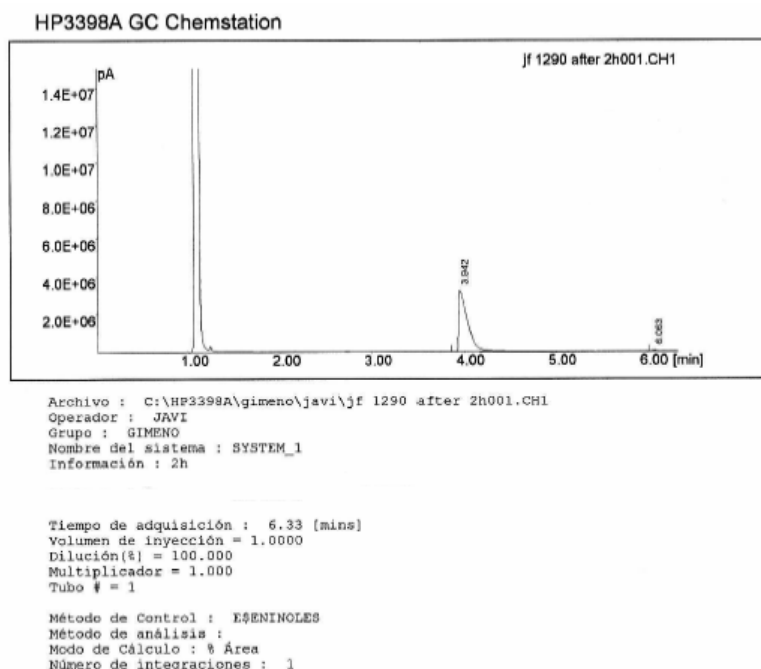
Entry 2: Tr = 2.6 min (furan), 4.8 min (enynol).



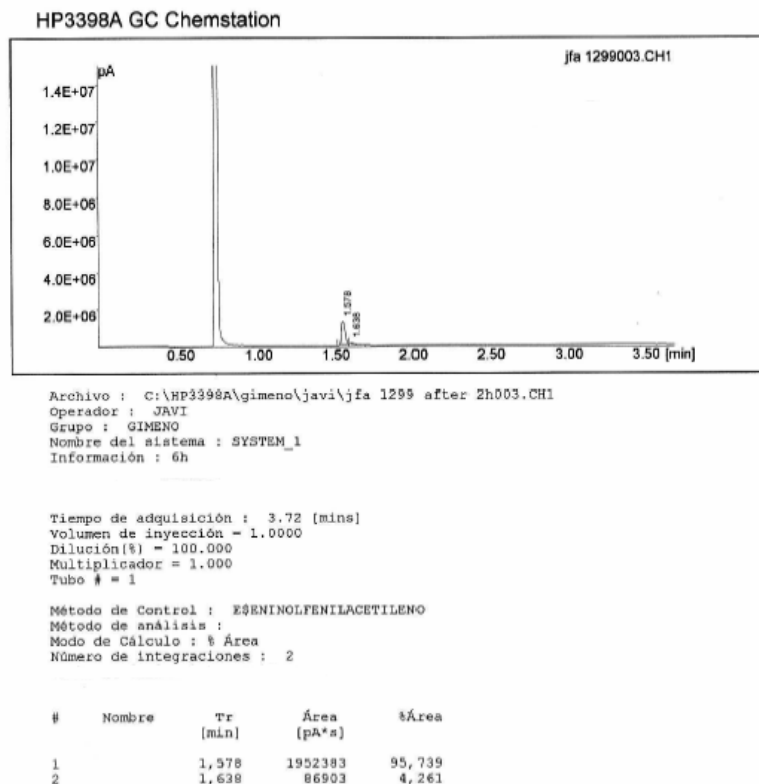
Entry 3: Tr = 3.9 min (furan), 6.0 min (enynol).



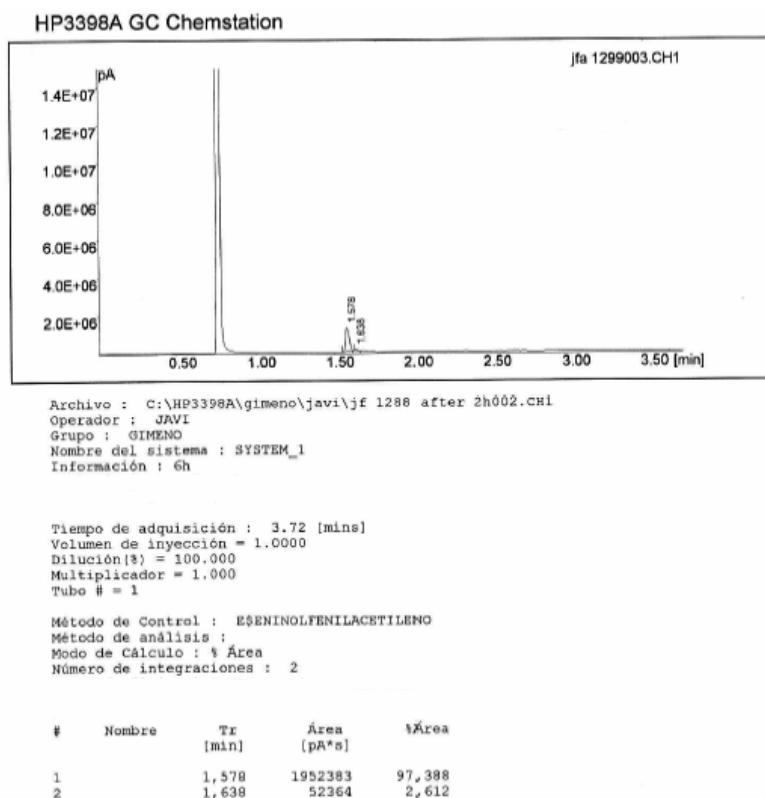
Entry 4: Tr = 3.9 min (furan), 6.0 min (enynol).



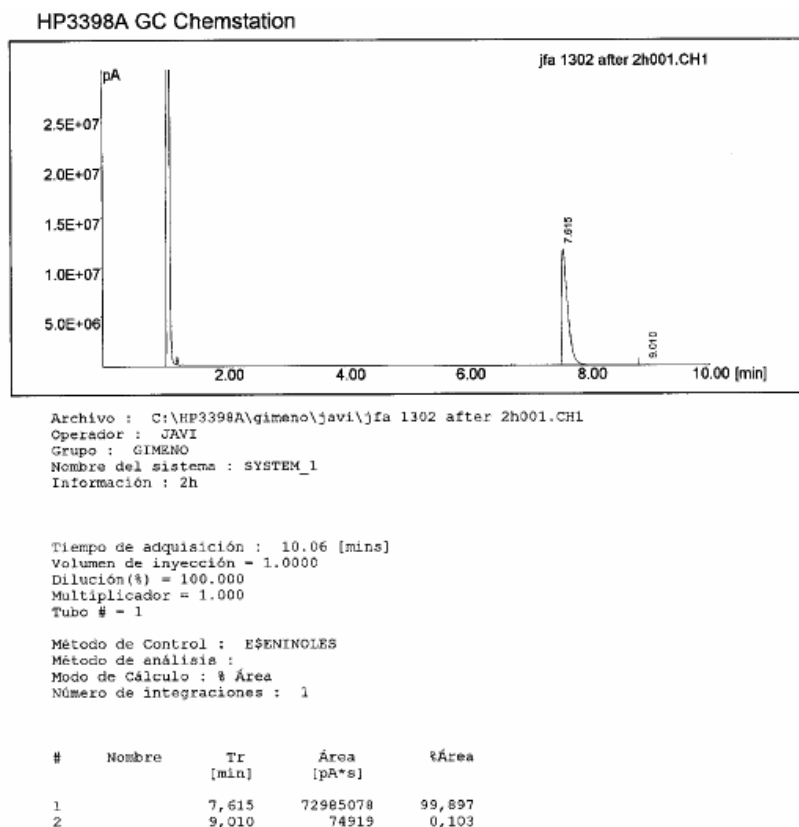
Entry 5: Tr = 1.5 min (furan), 1.6 min (enynol).



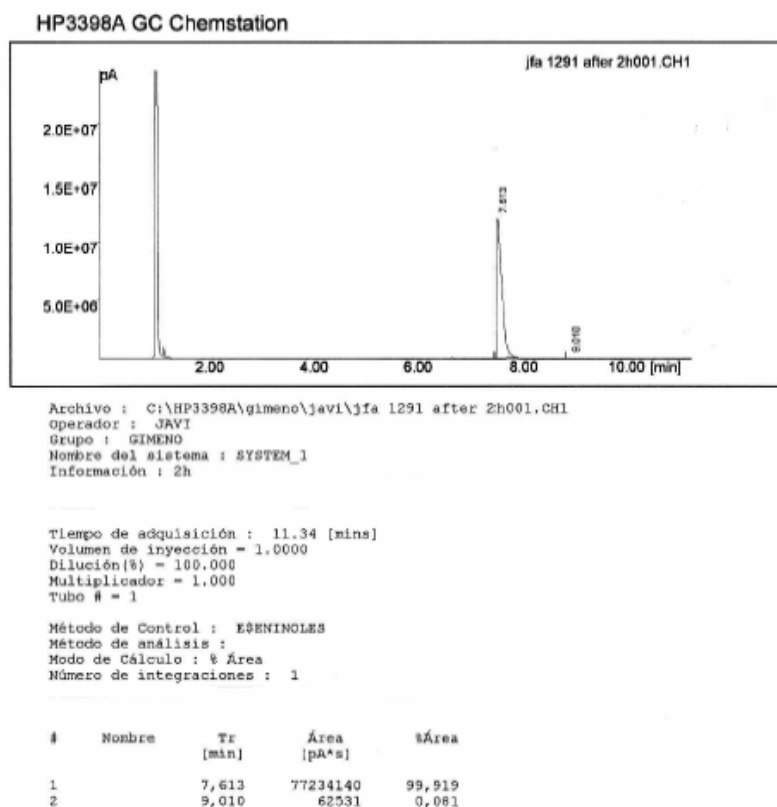
Entry 6: Tr = 1.5 min (furan), 1.6 min (enynol).



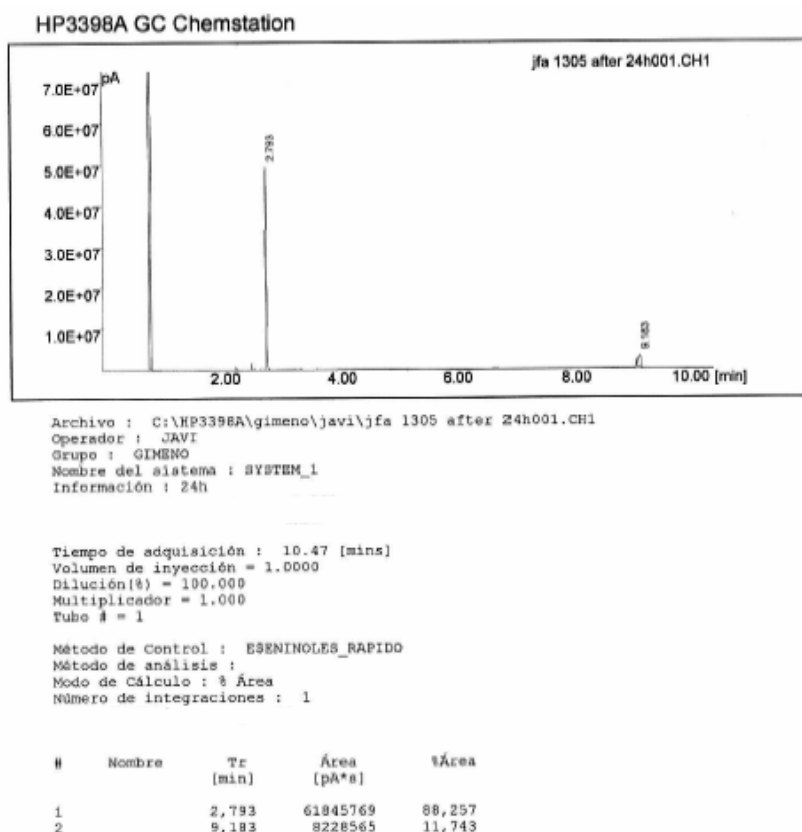
Entry 7: Tr = 7.6 min (furan), 9.0 min (enynol).



Entry 8: Tr = 7.6 min (furan), 9.0 min (enynol).



Entry 9: Tr = 2.7 min (furan), 9.1 min (enynol).



Entry 10: Tr = 2.7 min (furan), 9.1 min (enynol).

