

Supporting Information

for

Stereochemistry of ring-opening/cross metathesis reactions of *exo*- and *endo*-7-oxabicyclo[2.2.1]hept-5-ene-2- carbonitriles with allyl alcohol and allyl acetate

Piotr Wałejko*, Michał Dąbrowski, Lech Szczepaniak, Jacek W. Morzycki and Stanisław Witkowski

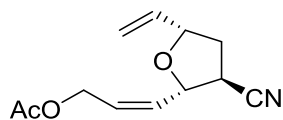
Address: Institute of Chemistry, University of Białystok, ul. Ciołkowskiego 1K, 15-245 Białystok,
Poland

Email: Piotr Wałejko - pwalejko@uwb.edu.pl

*Corresponding author

MS spectra and retention indices of all compounds 5–12

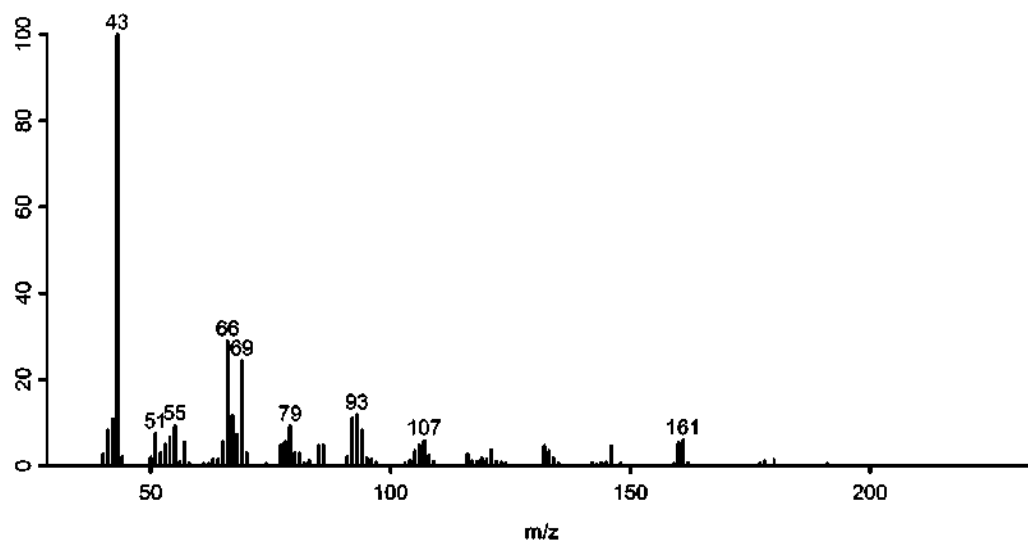
5Z: (*Z*)-3'-(3-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetate

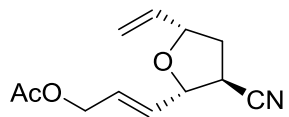
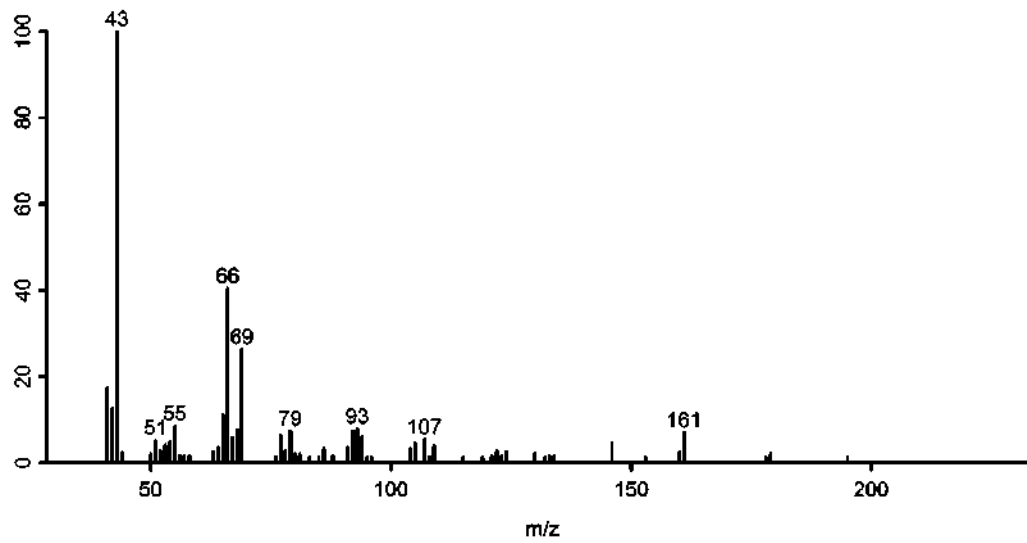
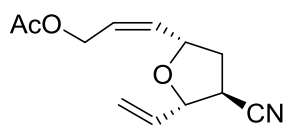
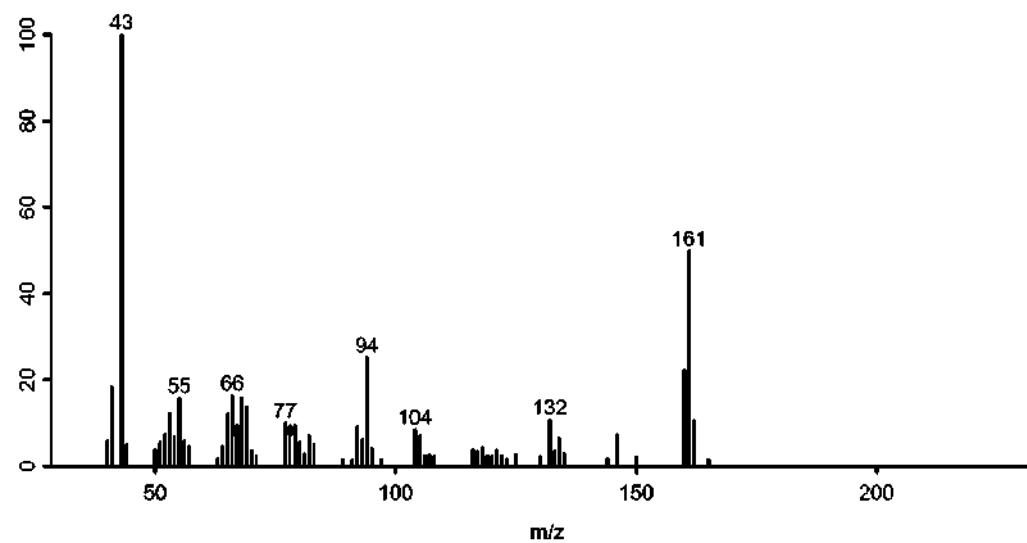


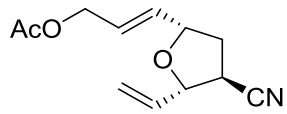
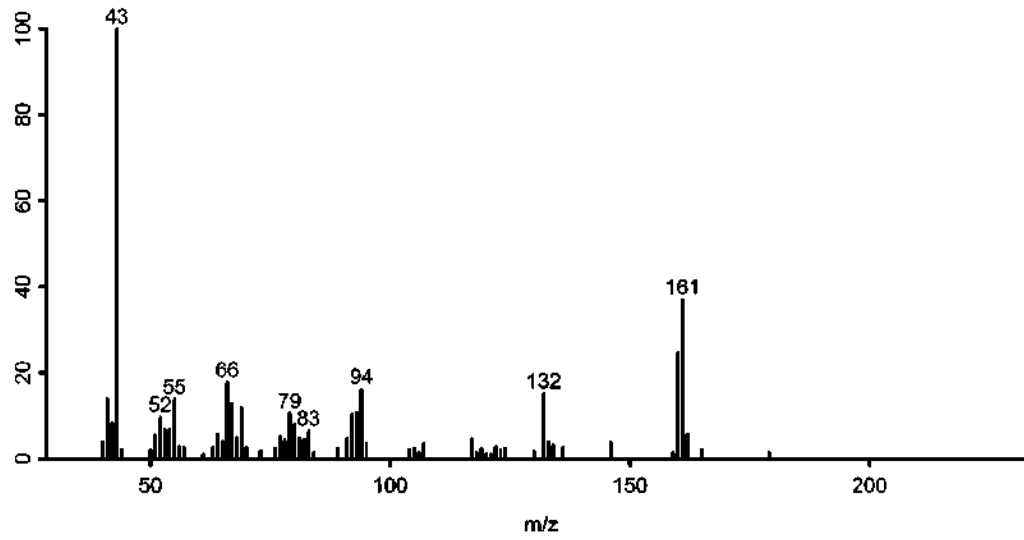
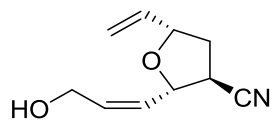
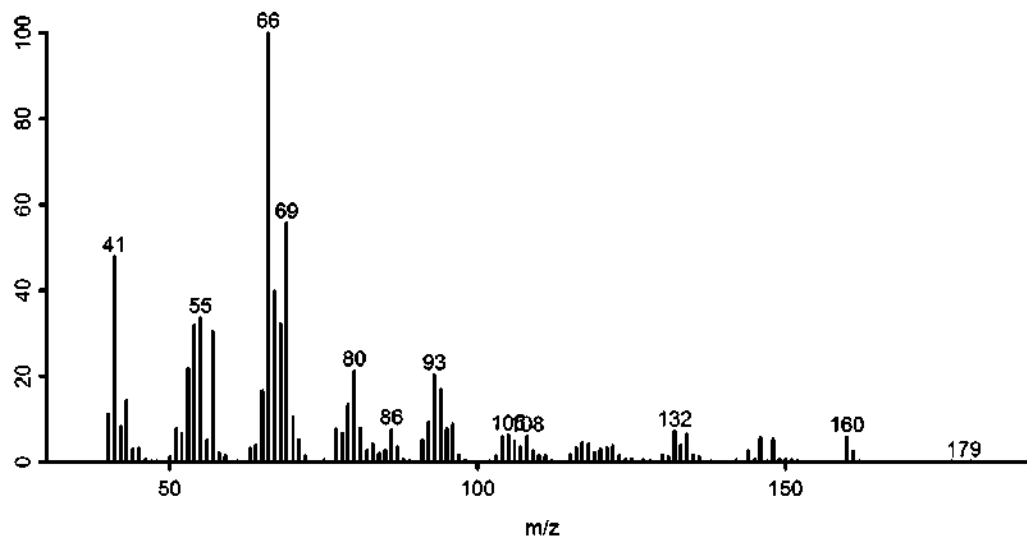
Formuła: **C₁₂H₁₅NO₃**

MolWt: **221.1048**

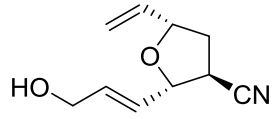
Retention index: **1630**



5E: (E)-3'-(3-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetateFormuła: **C₁₂H₁₅NO₃**MoWt: **221.1048**Retention index: **1653****6Z: (Z)-3'-(4-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetate**Formuła: **C₁₂H₁₅NO₃**MoWt: **221.1048**Retention index: **1636**

6E: (E)-3'-(4-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetateFormuła: **C₁₂H₁₅NO₃**MolWt: **221.1048**Retention index: **1666****7Z: 2-((Z)-3'-Hydroxyprop-1'-en-1'-yl)-5-vinyltetrahydrofuran-3-carbonitrile**Formuła: **C₁₀H₁₃NO₂**MolWt: **179.0943**Retention index: **1503**

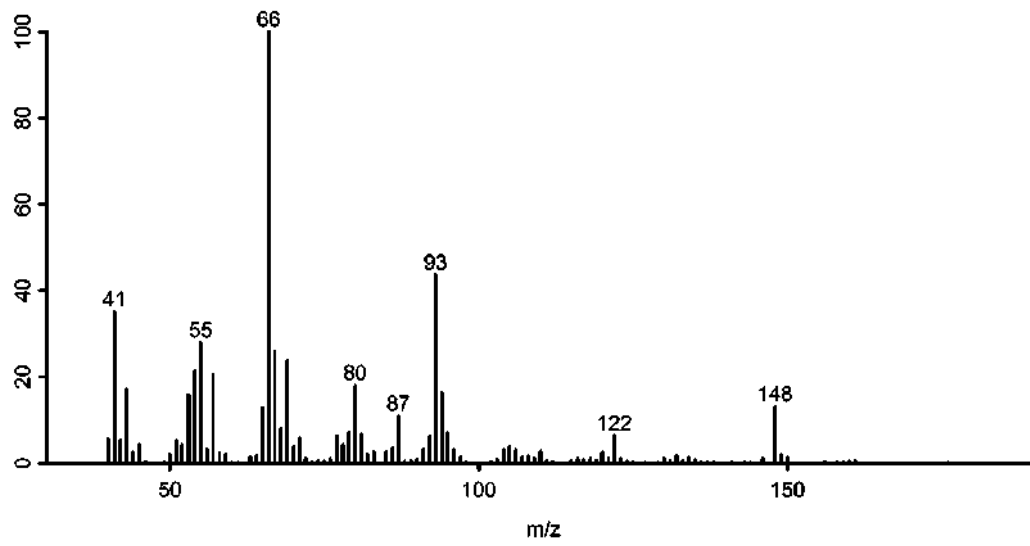
7E: 2-((E)-3'-Hydroxyprop-1'-en-1'-yl)-5-vinyltetrahydrofuran-3-carbonitrile



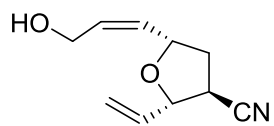
Formuła: **C₁₀H₁₃NO₂**

MolWt: **179.0943**

Retention index: **1547**



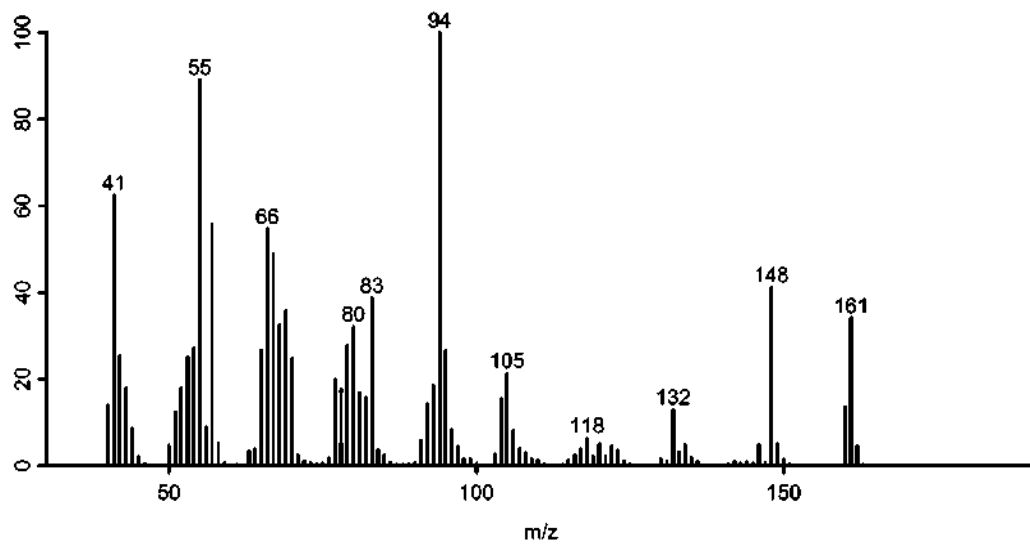
8Z: 5-((Z)-3'-Hydroxyprop-1'-en-1'-yl)-2-vinyltetrahydrofuran-3-carbonitrile

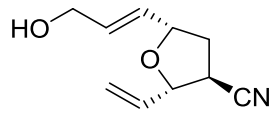
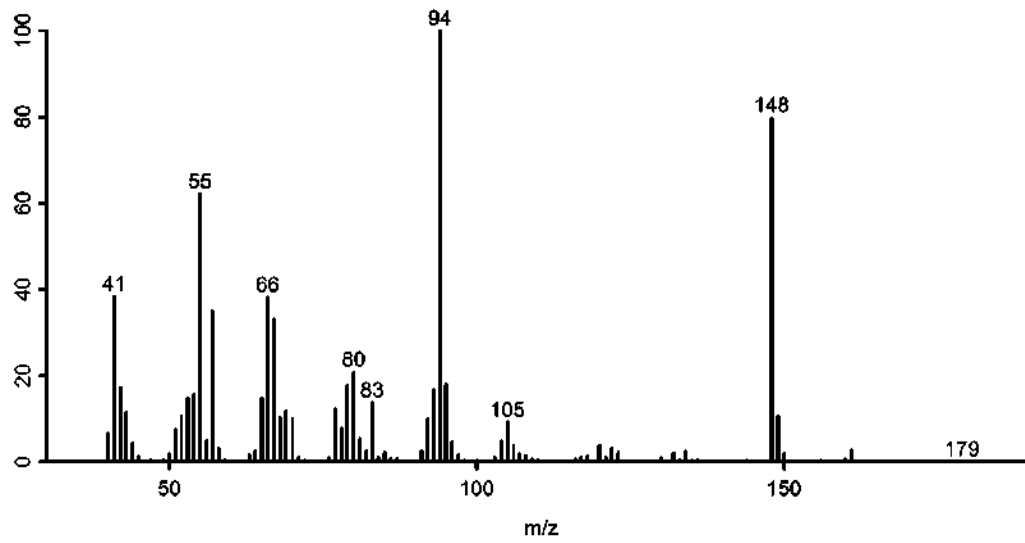
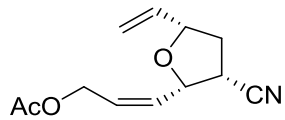
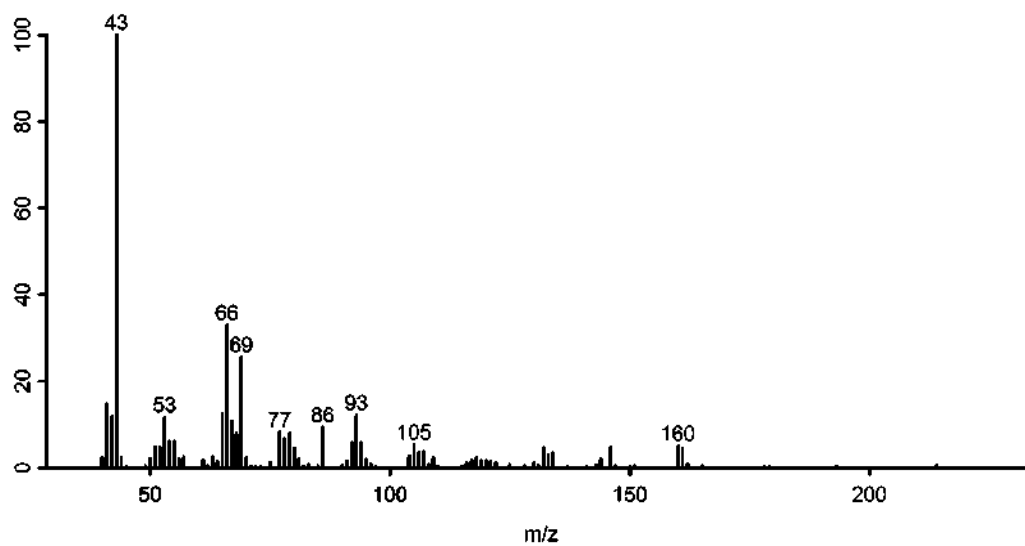


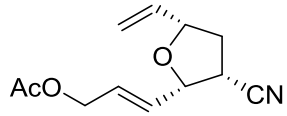
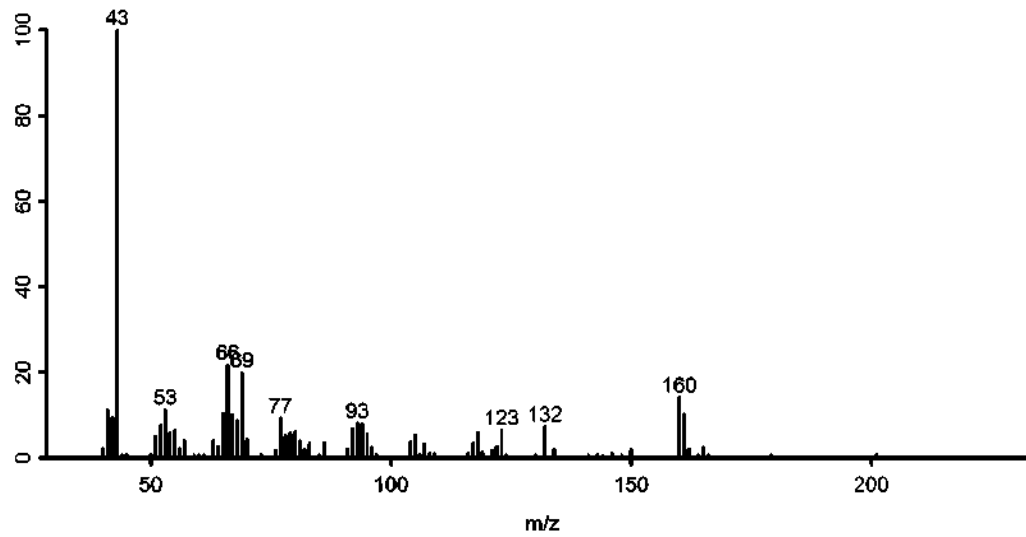
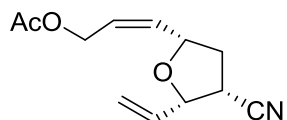
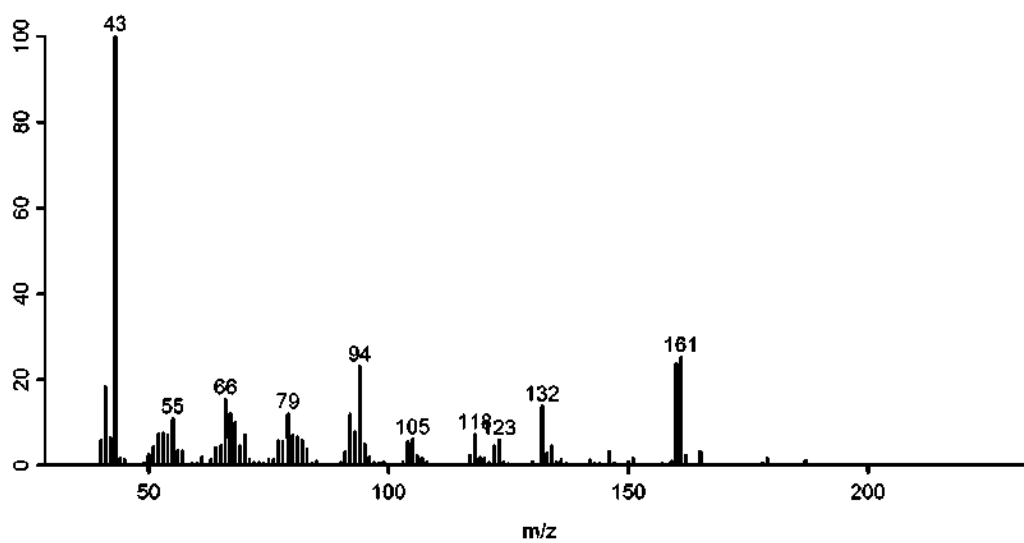
Formuła: **C₁₀H₁₃NO₂**

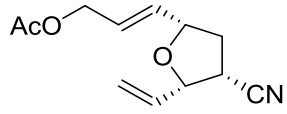
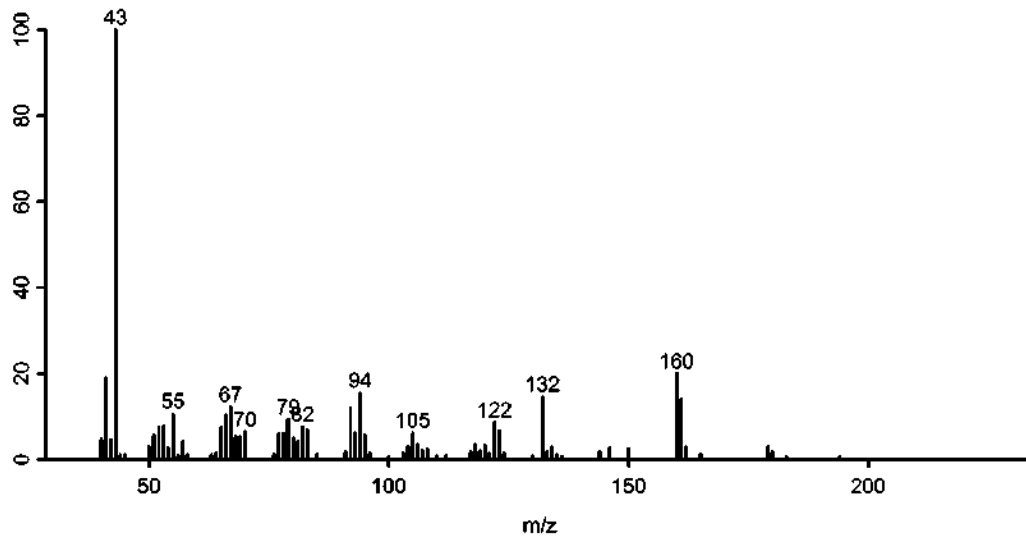
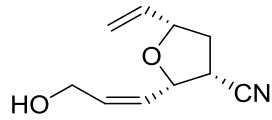
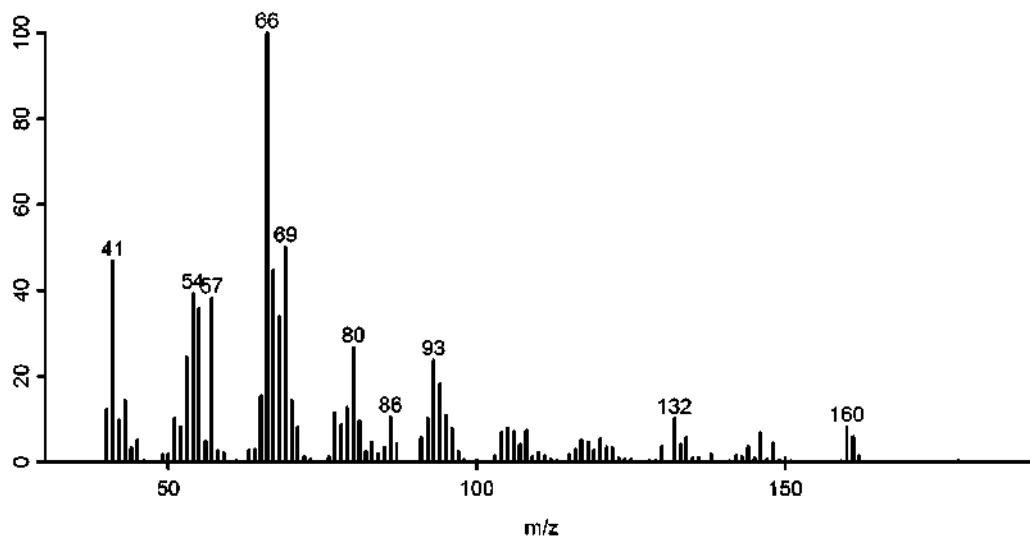
MolWt: **179.0943**

Retention index: **1527**

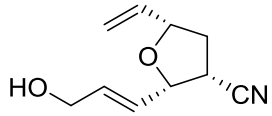


8E: 5-((E)-3'-Hydroxyprop-1'-en-1'-yl)-2-vinyltetrahydrofuran-3-carbonitrileFormula: **C₁₀H₁₃NO₂**MolWt: **179.0943**Retention index: **1551****9Z: (Z)-3'-(3-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetate**Formula: **C₁₂H₁₅NO₃**MolWt: **221.1048**Retention index: **1675**

9E: (E)-3'-(3-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetateFormuła: **C₁₂H₁₅NO₃**MolWt: **221.1048**Retention index: **1711****10Z: (Z)-3'-(4-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetate**Formuła: **C₁₂H₁₅NO₃**MolWt: **221.1048**Retention index: **1713**

10E: (E)-3'-(4-Cyano-5-vinyltetrahydrofuran-2-yl)allyl acetateFormuła: **C₁₂H₁₅NO₃**MolWt: **221.1048**Retention index: **1738****11Z: 2-((Z)-3'-Hydroxyprop-1'-en-1'-yl)-5-vinyltetrahydrofuran-3-carbonitrile**Formuła: **C₁₀H₁₃NO₂**MolWt: **179.0943**Retention index: **1574**

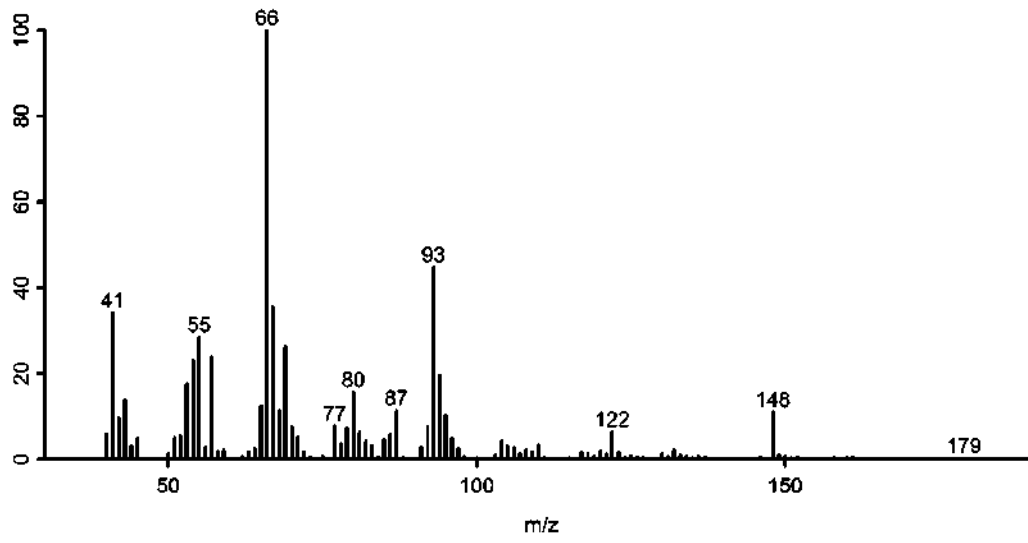
11E: 2-((E)-3'-Hydroxyprop-1'-en-1'-yl)-5-vinyltetrahydrofuran-3-carbonitrile



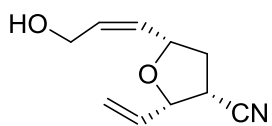
Formuła: **C₁₀H₁₃NO₂**

MolWt: **179.0943**

Retention index: **1582**



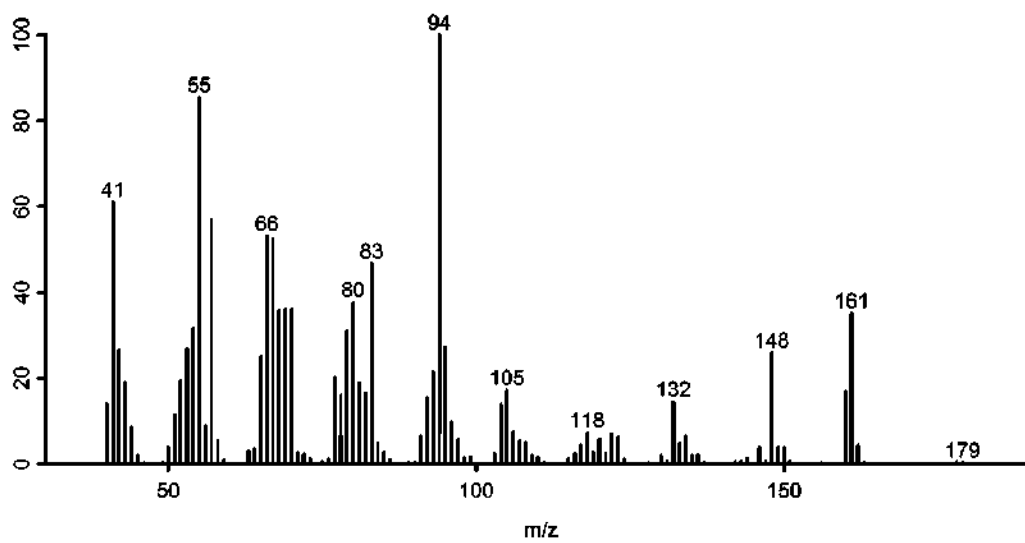
12Z: 5-((E)-3'-Hydroxyprop-1'-en-1'-yl)-2-vinyltetrahydrofuran-3-carbonitrile

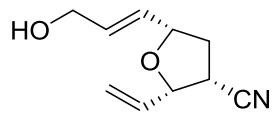


Formuła: **C₁₀H₁₃NO₂**

MolWt: **179.0943**

Retention index: **1601**



12E: 5-((E)-3'-Hydroxyprop-1'-en-1'-yl)-2-vinyltetrahydrofuran-3-carbonitrileFormuła: **C₁₀H₁₃NO₂**MolWt: **179.0943**Retention index: **1613**