

Chemical Information:

Name: 6,10-Dimethyl-5,9-undecadiene-2-one
 CAS No.: 3796-70-1
 Tox21_ID No.: Tox21_202156
 NTP_CID No.: 4983

Date of Analysis: 29 June 2016

Supplier: Sigma-Aldrich
 Lot No.: 08296PH
 MW: 194.31 g/mol

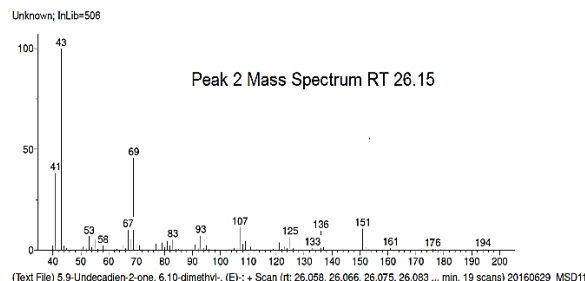
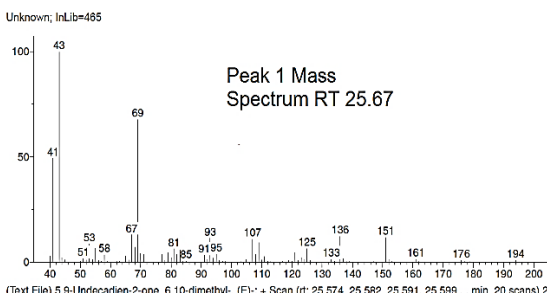
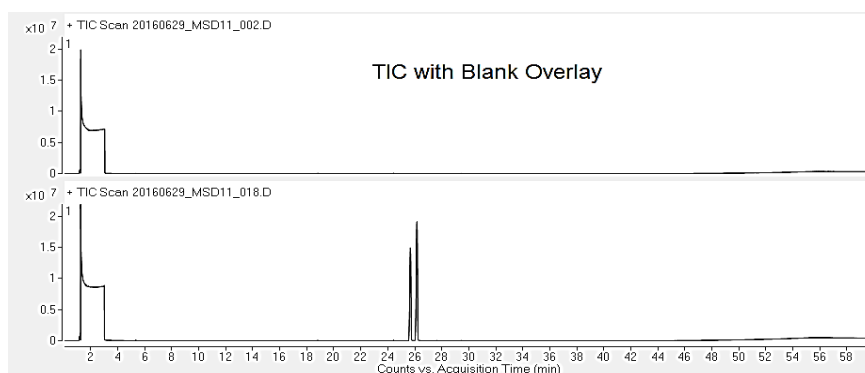
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
6,10-Dimethyl-5,9-undecadiene-2-one	25.67	43.39
6,10-Dimethyl-5,9-undecadiene-2-one	26.15	56.01

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1-μm film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 800 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014



Hit 5 : 5,9-Undecadien-2-one, 6,10-dimethyl-, (E)
 C₁₃H₂₂O; MF: 916; RMF: 916; Prob 9.91%; CAS: 3796-70-1; Lib: replib; ID: 1741.

