

Chemical Information:

Name: 1-Tetradecanamine, N,N-dimethyl-
CAS No.: 112-75-4 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_202738 Lot No.: 363679/1
NTP_CID No.: 2700 MW: 241.46 g/mol

Date of Analysis: 14 December 2016

Purity and Identity Results:

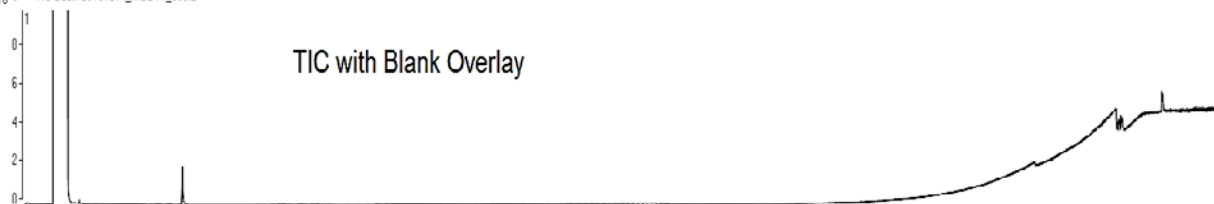
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
1-Tetradecanamine, N,N-dimethyl-	32.27	98.80

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

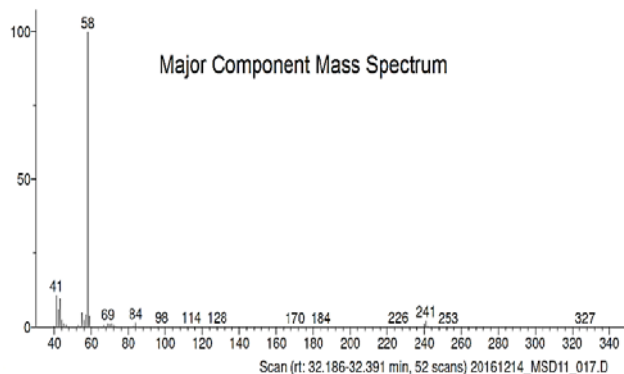
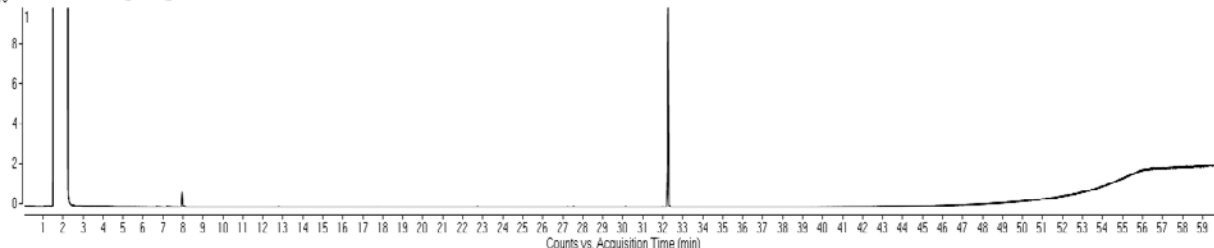
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 380 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / 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 2.2f Build 2014

x10 5 • TIC Scan 20161214_MSD11_003.D



TIC with Blank Overlay

x10 5 • TIC Scan 20161214_MSD11_017.D



Hit 1: 1-Tetradecanamine, N,N-dimethyl-
C16H35N; MF: 900; RMF: 900; Prob 43.9%; CAS: 112-75-4; Lib: mainlib; ID: 24522.

