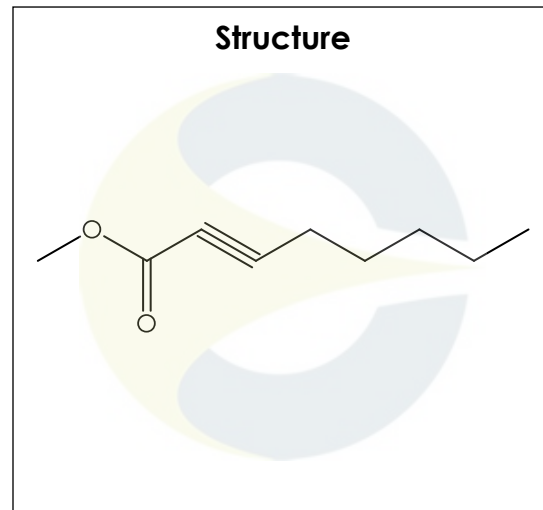


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PRODUCT NAME	Methyl-2-octynoate
PART NUMBER	00013622
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00013622-A01
REPORT NUMBER	CDXA-RSS-1954-02
SAMPLE NUMBER	CDXA-07-2052
DATE OF SAMPLE	08/15/2007
DATE OF RE-EVALUATION	12/09/2013 (1 st); 07/30/2018 (2 nd)
DATE OF REPORT	08/14/2018



CHEMICAL NAMES	2-Octynoic acid methyl ester; Folione; Methyl-2-octynoate
CHEMICAL FORMULA	C ₉ H ₁₄ O ₂
MOLECULAR WEIGHT (MW)	154.21
CHEMICAL FAMILY	Fatty acids
CAS NUMBER	[111-12-6]
EC#(EINECS)	203-836-6
RTECS	RI2735000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	99.1-04-3.0-000120	NA	97.7%
Mass Spectrum	99.1-04-3.0-000120	Conforms	Conforms
Appearance	NA	NA	Liquid

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	07/2023 under the above conditions.

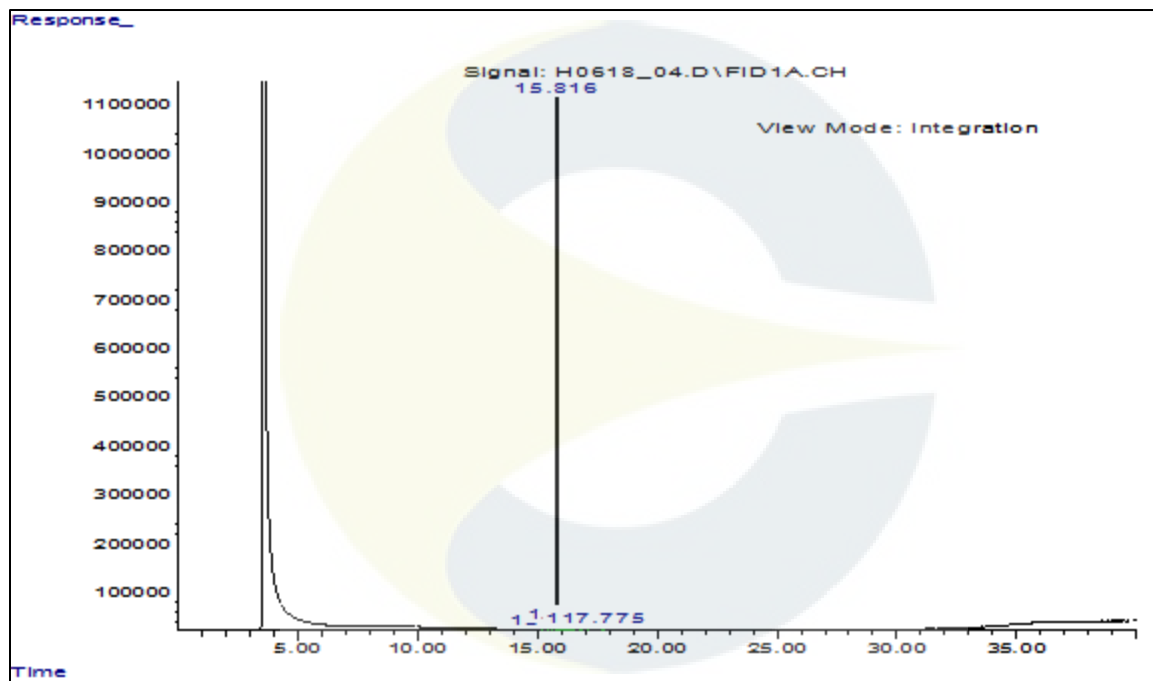
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ANALYTICAL CONDITIONS

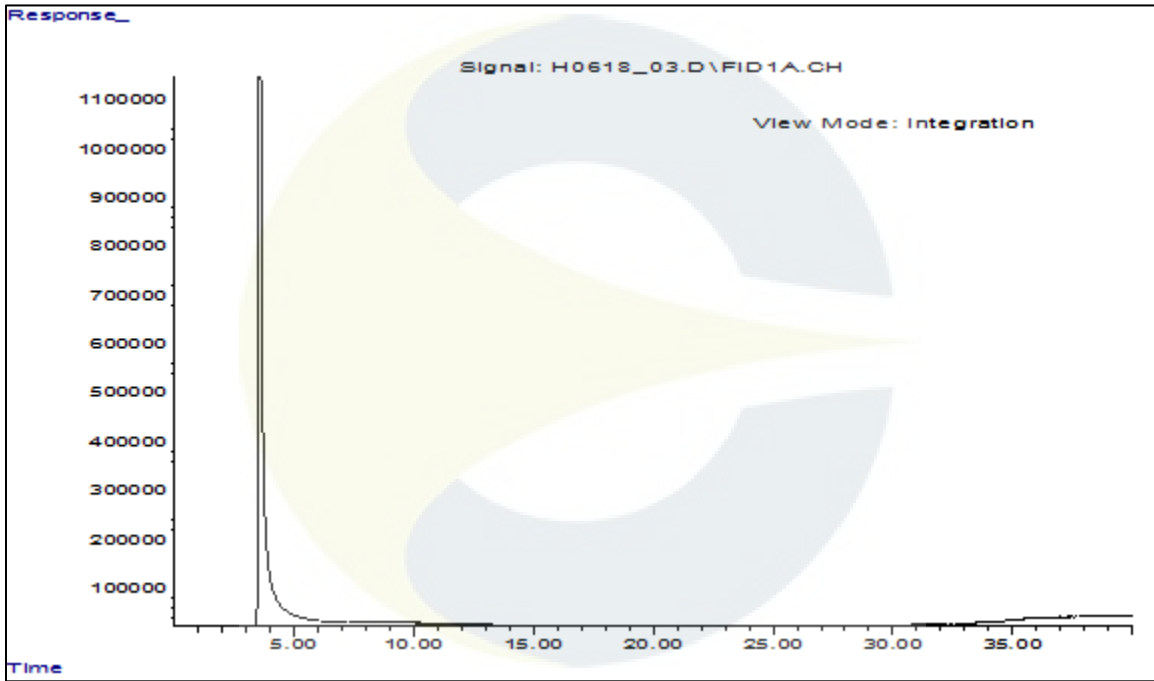
INSTRUMENT	AGILENT 6890N WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5973N MSD
COLUMN	Phenomenex Zebron ZB-5HT Inferno, 30 m x 0.32 mm x 0.25 µm; connected to an MXT Y-union, connected to a Restek Siltek deactivated guard column: 10 m x 0.25 mm to FID; and a 5 m x 100 µm transfer line to MSD.
CARRIER GAS	Helium
COLUMN TEMP.	Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 340 °C. Hold at 340 °C for 5.0 minutes.
FLOW RATE	2.0 mL/minute
INJECTOR TEMP.	300 °C
INJECTOR SPLIT RATIO	20:1
INJECTION VOL.	1.0 µL
INJECTION CONC.	1.1 mg/mL in Methanol
DETECTION	FID (300 °C) & MSD (300 °C)

GC CHROMATOGRAM OF METHYL-2-OCTYNOATE (CDXA-07-2052)

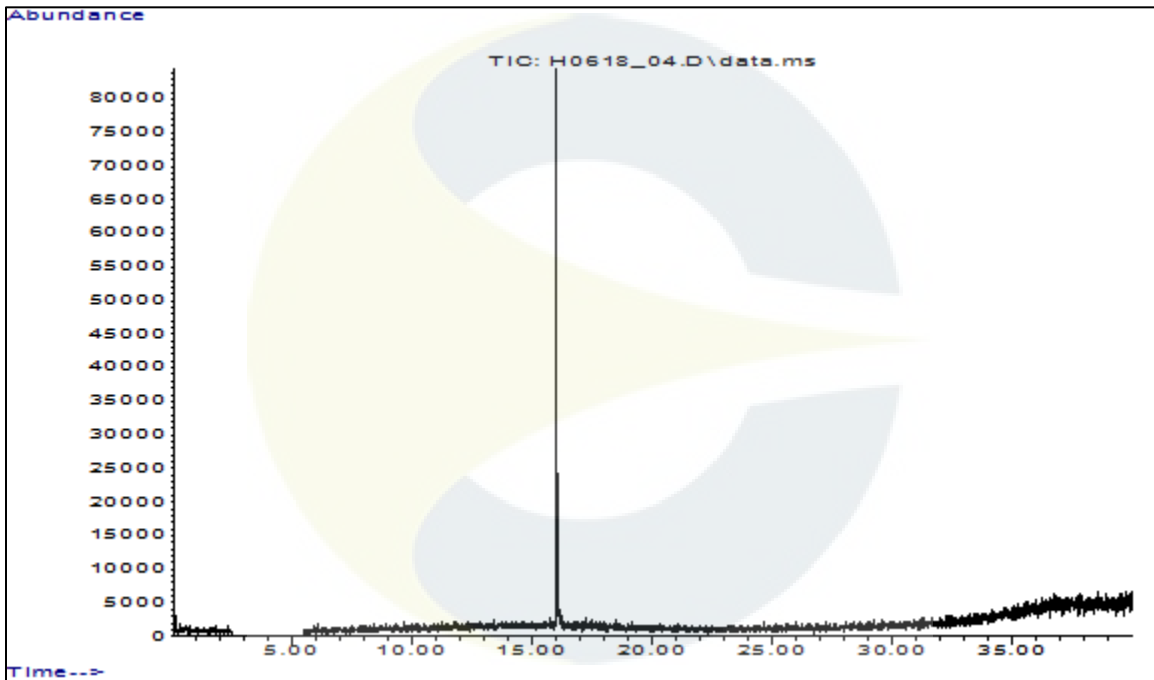


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GC CHROMATOGRAM OF DILUENT BLANK

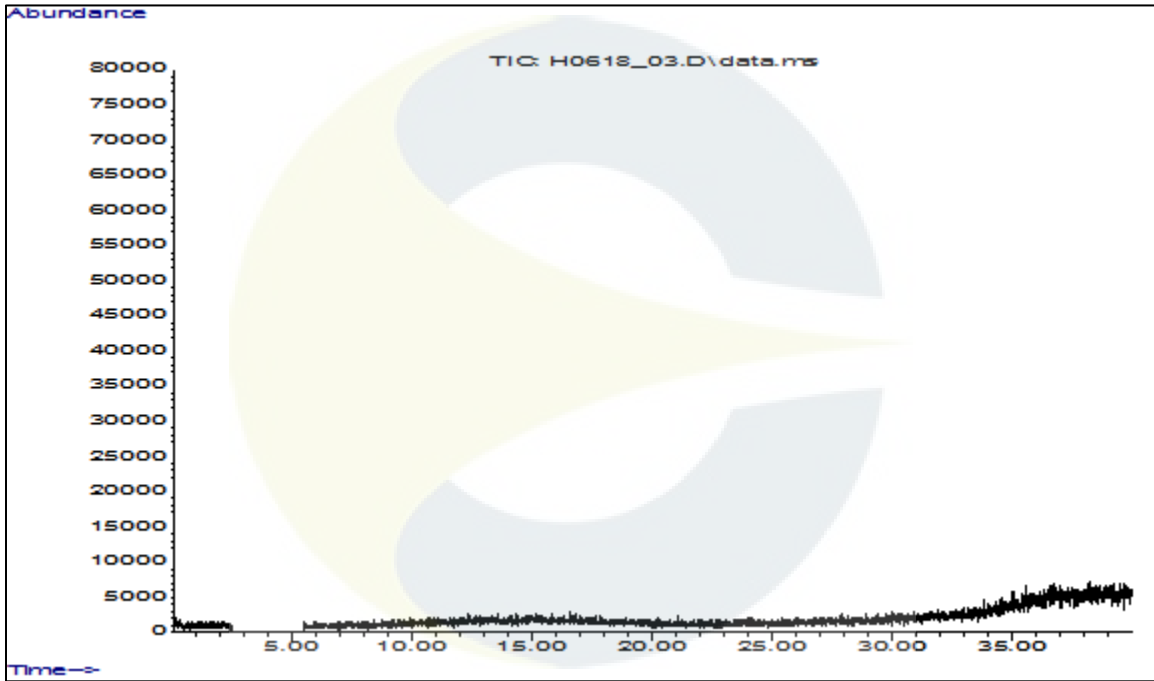


TOTAL ION CHROMATOGRAM OF METHYL-2-OCTYNOATE (CDXA-07-2052)

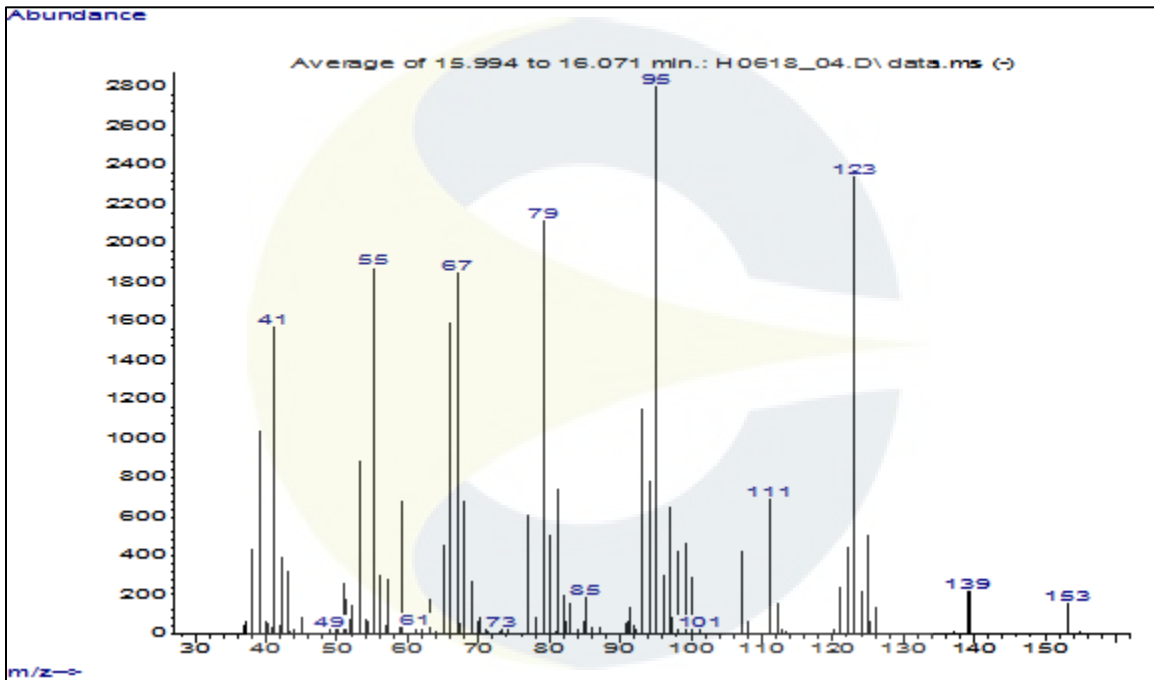


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TOTAL ION CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF METHYL-2-OCTYNOATE (CDXA-07-2052)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/23/2007	New report
01	01/06/2014	Material passed re-evaluation. Updated expiration date.
02	08/14/2018	Passed re-evaluation by GC. Removed Melting Point. Updated Chemical Names, chromatograms, spectra, Analytical Conditions and expiration date. Added TIC and TIC of diluent blank.

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