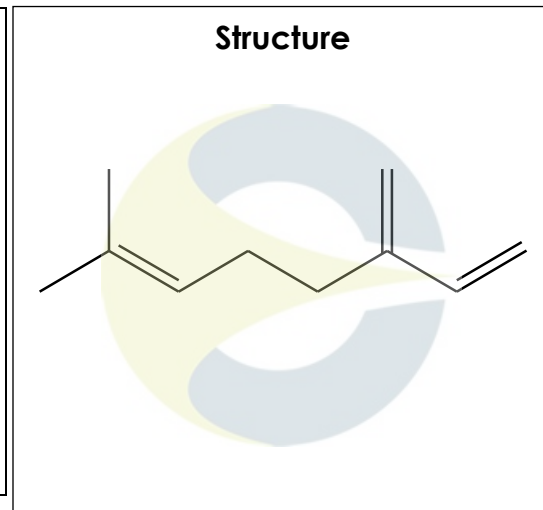


Certificate of Analysis
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PRODUCT NAME	Myrcene
PART NUMBER	00013918
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00013918-9399
REPORT NUMBER	CDXA-RSS-5975-02
SAMPLE NUMBER	CDXA-13-9399
DATE OF SAMPLE	12/19/2013
DATE OF RE-EVALUATION	02/28/2018 (1 st); 01/10/2022 (2 nd)
DATE OF REPORT	02/08/2022



CHEMICAL NAMES	7-Methyl-3-methylene-1,6-octadiene; 2-Methyl-6-methylene-2,7-octadiene; β -Myrcene; β -Geraniolene
CHEMICAL FORMULA	C ₁₀ H ₁₆
MOLECULAR WEIGHT (MW)	136.23
CHEMICAL FAMILY	Monoterpenes
CAS NUMBER	[123-35-3]
EC#(EINECS)	204-622-5
RTECS	RG5365000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	86.5%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Oil

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	01/2027 under the above conditions.

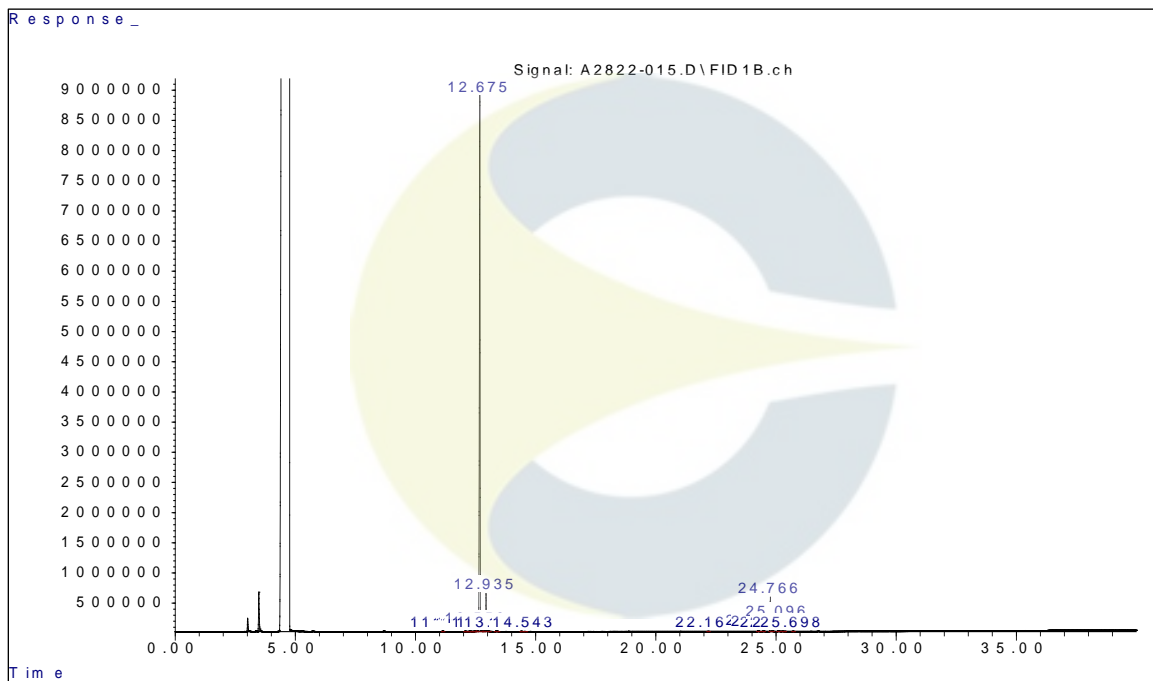
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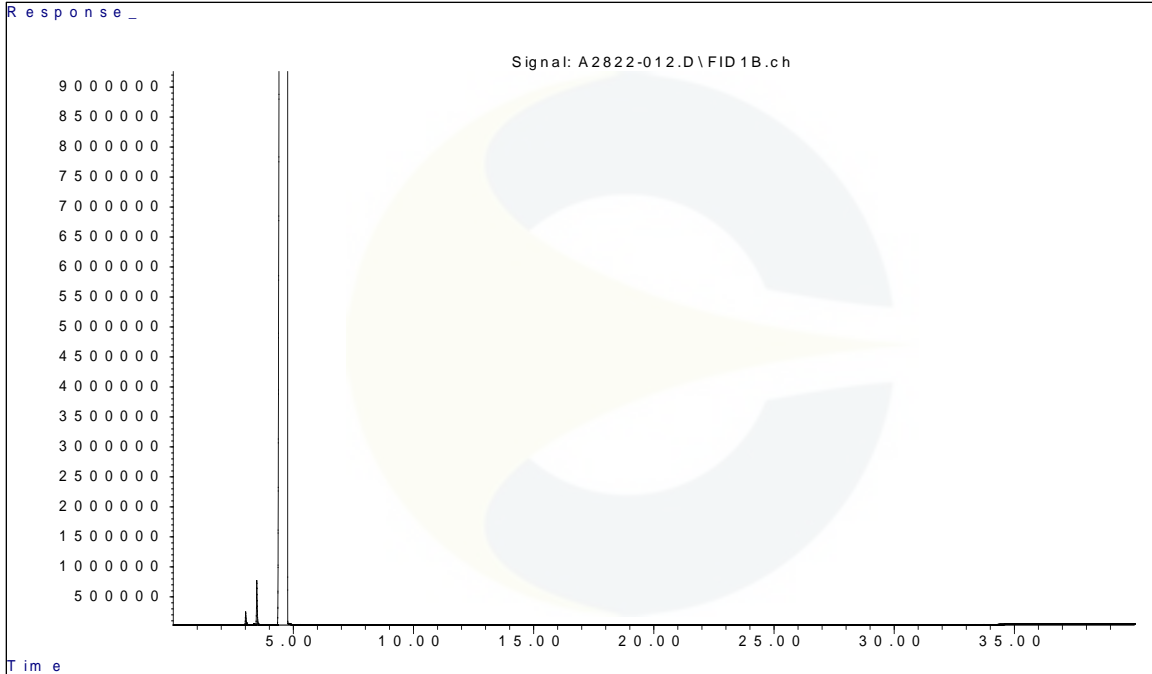
ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
COLUMN	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 µm
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.	2.5 mg/mL in Chloroform
DETECTION	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

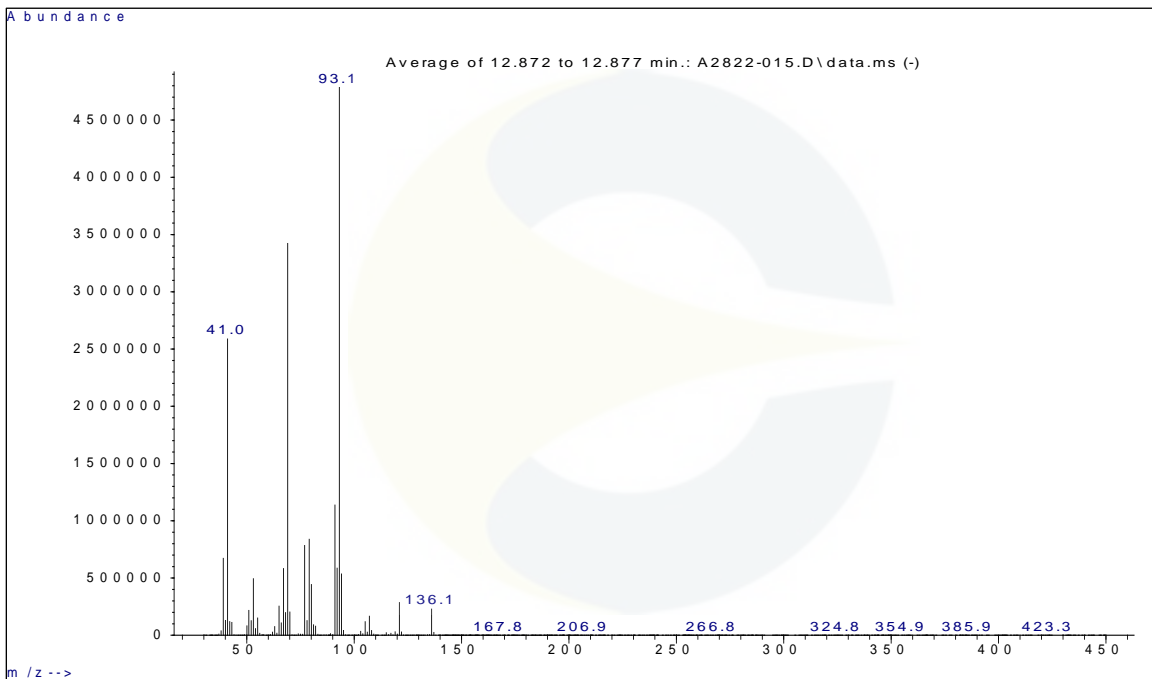
GC CHROMATOGRAM OF MYRCENE (CDXA-13-9399)


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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF MYRCENE (CDXA-13-9399)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	01/14/2014	New report
01	03/07/2018	Passed re-evaluation by GC/MS. Updated expiration date, analytical method, analytical conditions, chromatograms, and results. Removed melting point.
02	02/08/2022	Passed re-evaluation by GC/MS. Updated expiration date, analytical method, analytical conditions, chromatograms, chemical family, and results.

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