

Name:	E-3-Methyl-2-Hexenoic Acid-D5 (E-3M2H-D5)
Lot#:	GR-17-117
Test Date:	04/19/2022 (re-test date: 04/19/2027)
CAS No.:	27960-21-0 (unlabelled)
MF:	C ₇ H ₇ D ₅ O ₂
MW:	133.20
Appearance:	Colorless oil
Purity:	99.8% by HPLC (average of two sample preparations; ~3:1 E:Z isomers); 99% atom D (based on D content of 2-Pentanone-D5 from CDN Isotopes)
¹H-NMR:	Conforms (contains a trace of DCM)
MS-ESI (-)	Conforms (shows peak at m/z = 132.12 [M-H] ⁻)
Storage	Store at 0-5°C in a dry place away from direct sunlight

Approved by:

Date: 04/29/2022



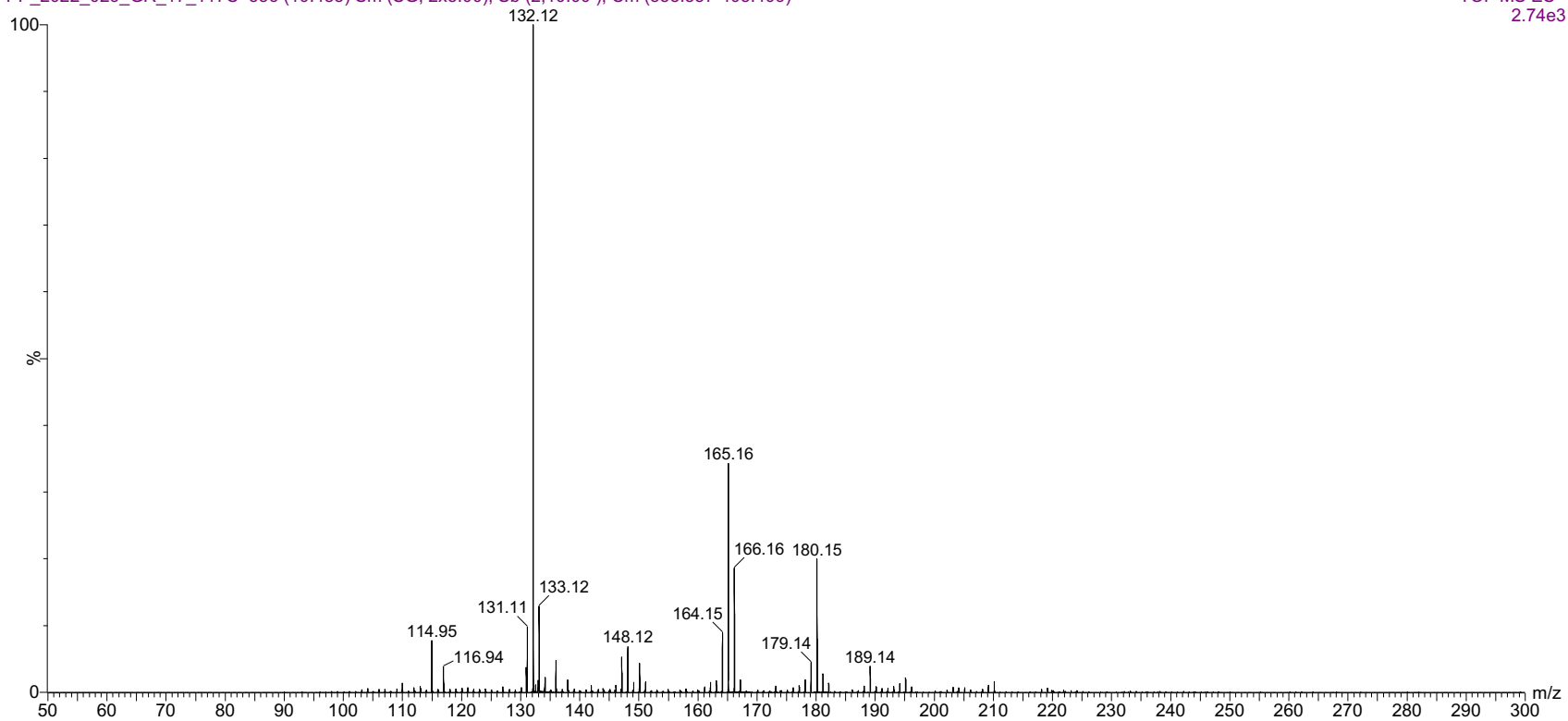
Viorica Rusu, QC/QA Manager

5.0000000

22-Apr-2022, 10:36:47

PP_2022_029_GR_17_117C 556 (10.483) Sm (SG, 2x5.00); Sb (2,10.00); Cm (553:557-405:409)

TOF MS ES-
2.74e3

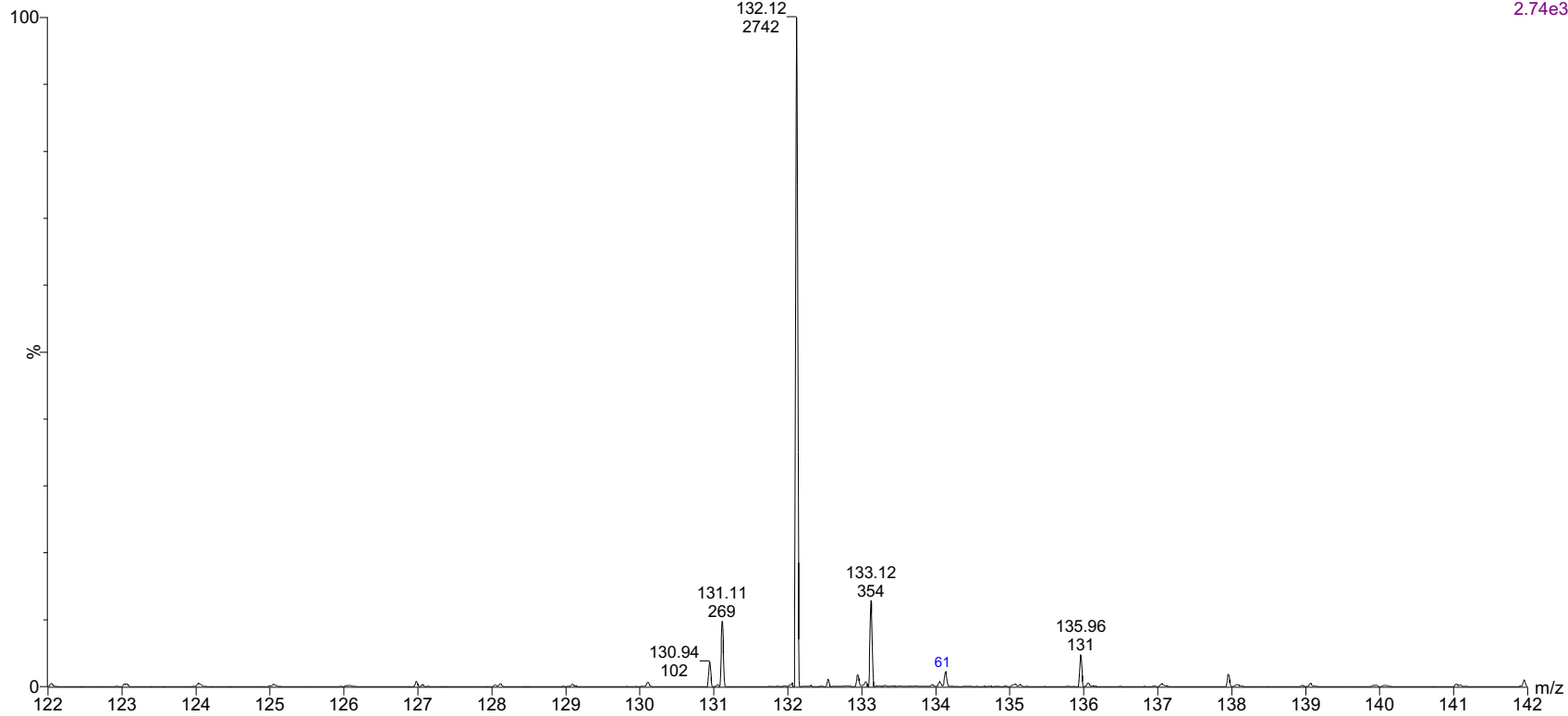


5.0000000

22-Apr-2022, 10:36:47

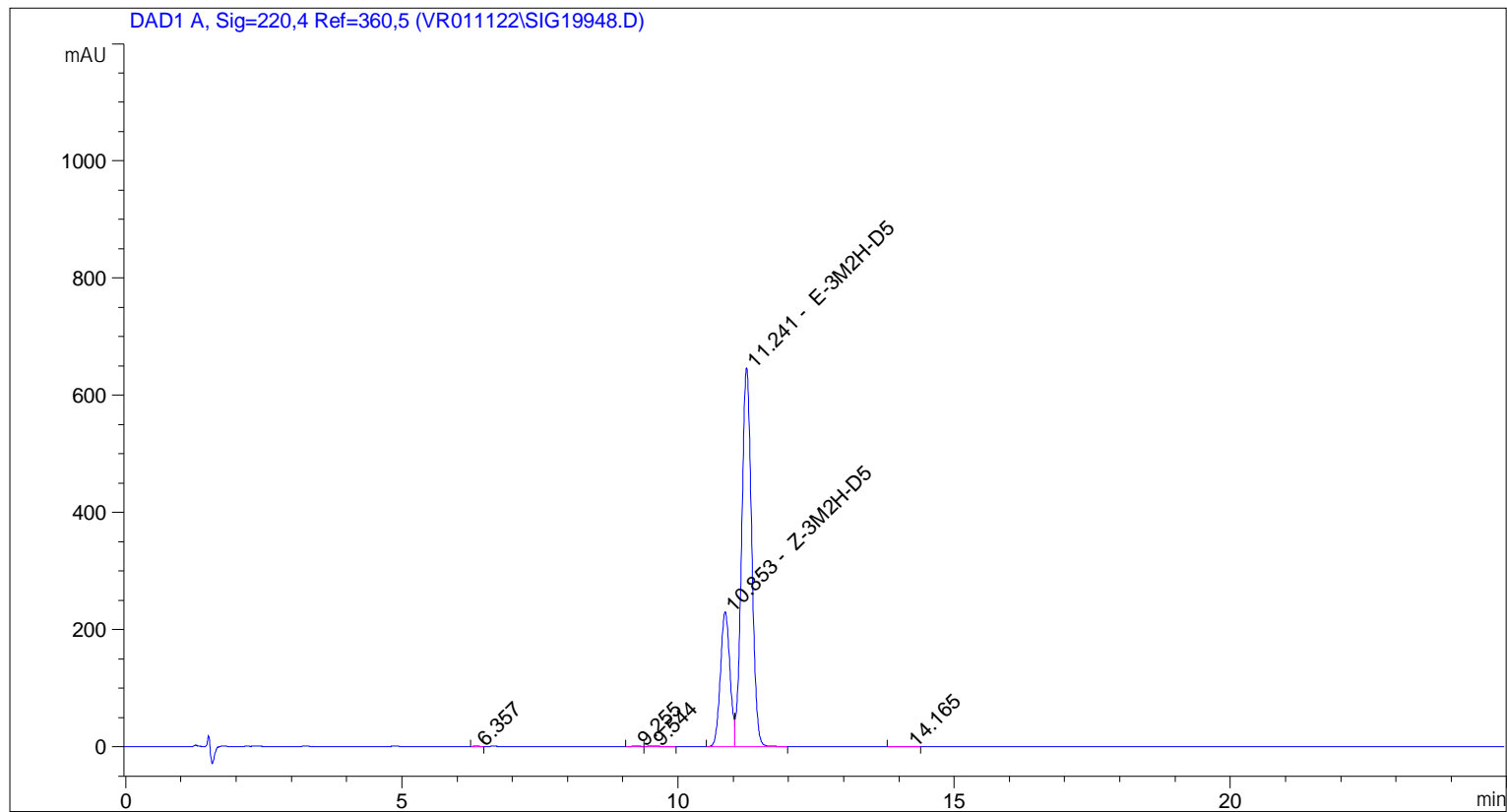
TOF MS ES-
2.74e3

PP_2022_029_GR_17_117C 556 (10.483) Sm (SG, 2x5.00); Sb (2,10.00); Cm (553:557-405:409)



Expansion of above showing intensity labels.

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 54
Injection Date : 4/19/2022 2:51:31 PM Inj Volume : 7.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR041922_117.M
Last changed : 4/19/2022 2:50:36 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR041922_117PM.M
Last changed : 4/19/2022 3:48:46 PM by vrusu



=====
Area Percent Report
=====

Sorted By : Signal
Calib. Data Modified : 4/19/2022 3:45:28 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.357	BB	0.0997	3.91064	0.0356	?
2	9.255	BV	0.1624	5.65431	0.0515	?
3	9.544	VB	0.1933	15.27579	0.1391	?
4	10.853	BV	0.1877	2758.47729	25.1261	Z-3M2H-D5
5	11.241	VB	0.1978	8184.80762	74.5528	E-3M2H-D5
6	14.165	BB	0.2572	10.41393	0.0949	?

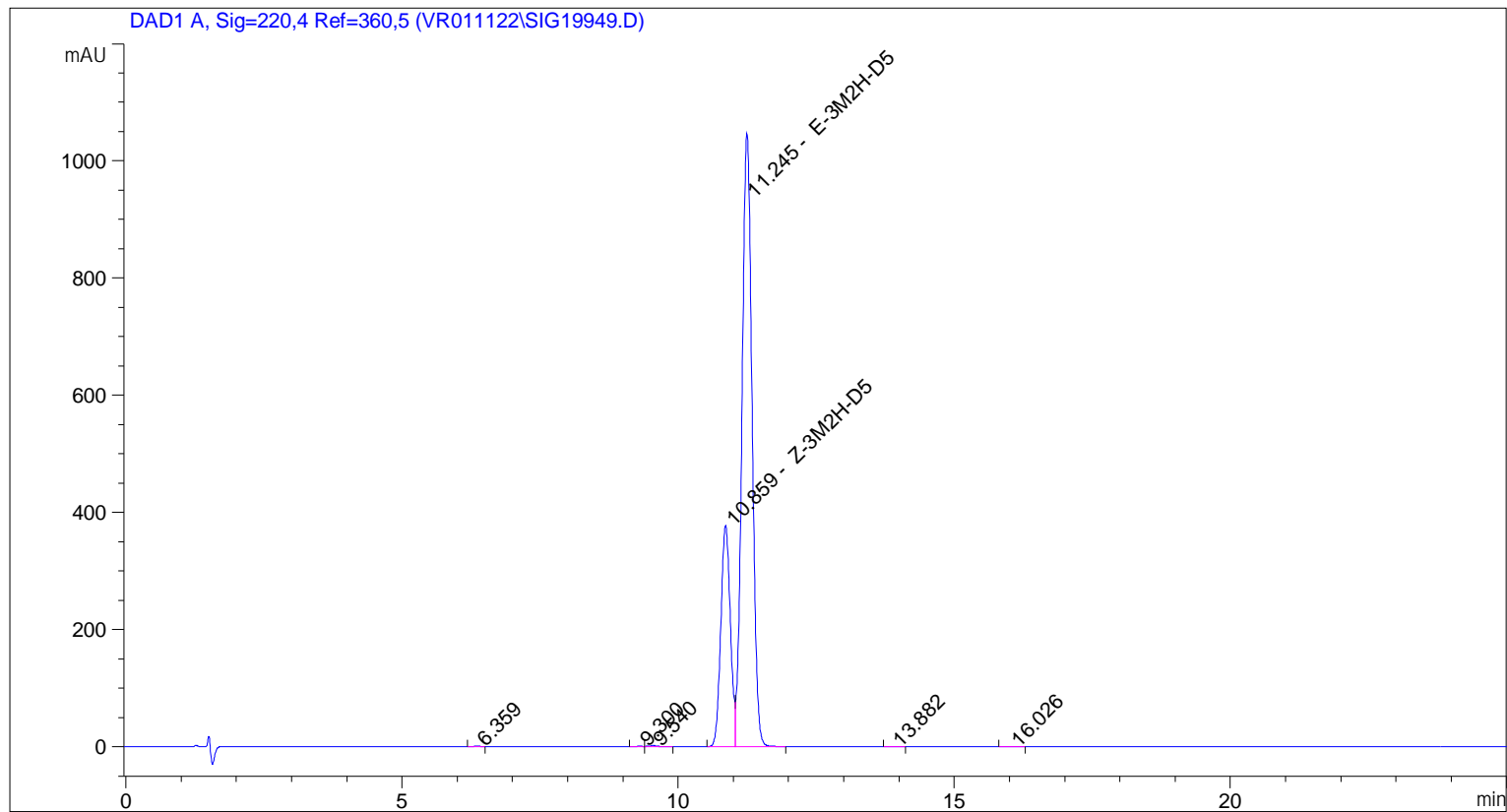
Totals : 1.09785e4

=====

*** End of Report ***

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 55
Injection Date  : 4/19/2022 3:19:15 PM
                                           Inj Volume : 7.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR041922_117.M
Last changed    : 4/19/2022 3:18:19 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR041922_117PM.M
Last changed    : 4/19/2022 3:48:46 PM by vrusu
  
```



=====
 Area Percent Report
 =====

```

Sorted By      :      Signal
Calib. Data Modified : 4/19/2022 3:45:28 PM
Multiplier:    :      1.0000
Dilution:     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	6.359	BB	0.1178	8.08515	0.0450	?
2	9.300	BV	0.1235	6.38719	0.0356	?
3	9.540	VB	0.1721	21.68508	0.1208	?
4	10.859	BV	0.1856	4516.90381	25.1672	Z-3M2H-D5
5	11.245	VB	0.1990	1.33733e4	74.5130	E-3M2H-D5
6	13.882	BB	0.1649	5.22165	0.0291	?
7	16.026	BB	0.1722	5.96809	0.0333	?
8	25.518	BB	0.2624	10.05116	0.0560	?

Sample Name: GR-17-117 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
----- ----- ----- ----- ----- ----- -----						
Totals :				1.79476e4		

=====

*** End of Report ***