

Name:	Lovastatin Diol Lactone 4-tert-Butyldimethylsilyl Ether
Lot#:	GR-9-191
Test Date:	04/28/2021 (re-test date: 04/28/2026)
CAS No.:	79902-31-1
MF:	C ₂₅ H ₄₂ O ₄ Si
MW:	434.68
Appearance:	White solid
Purity:	98.1% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (+)	Conforms (shows peaks at m/z = 435.3 [M+H] ⁺ and 417.3 [M-H ₂ O+H] ⁺)
Storage	Store at -18°C in a dry place away from direct sunlight

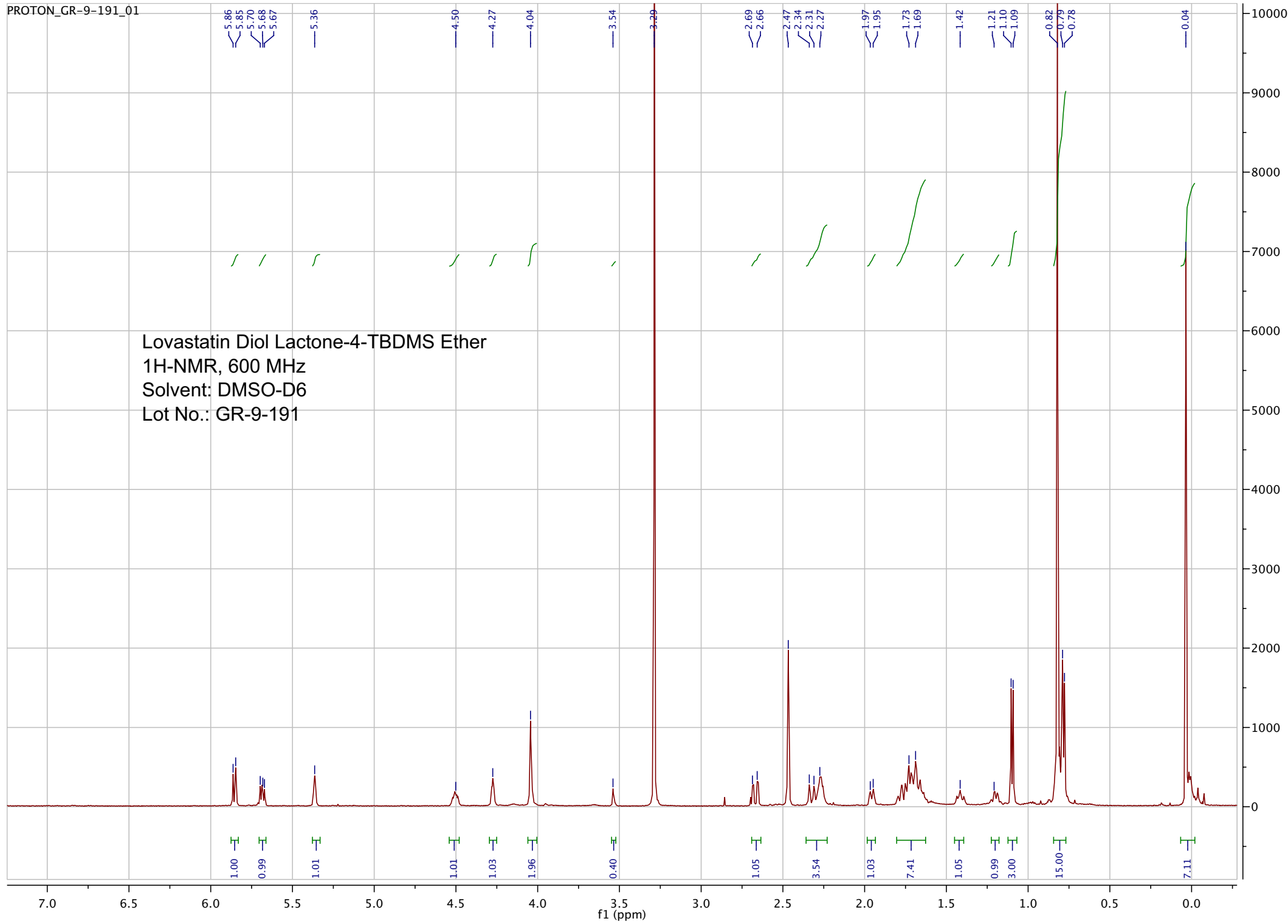
Approved by:

Date: 04/29/2021

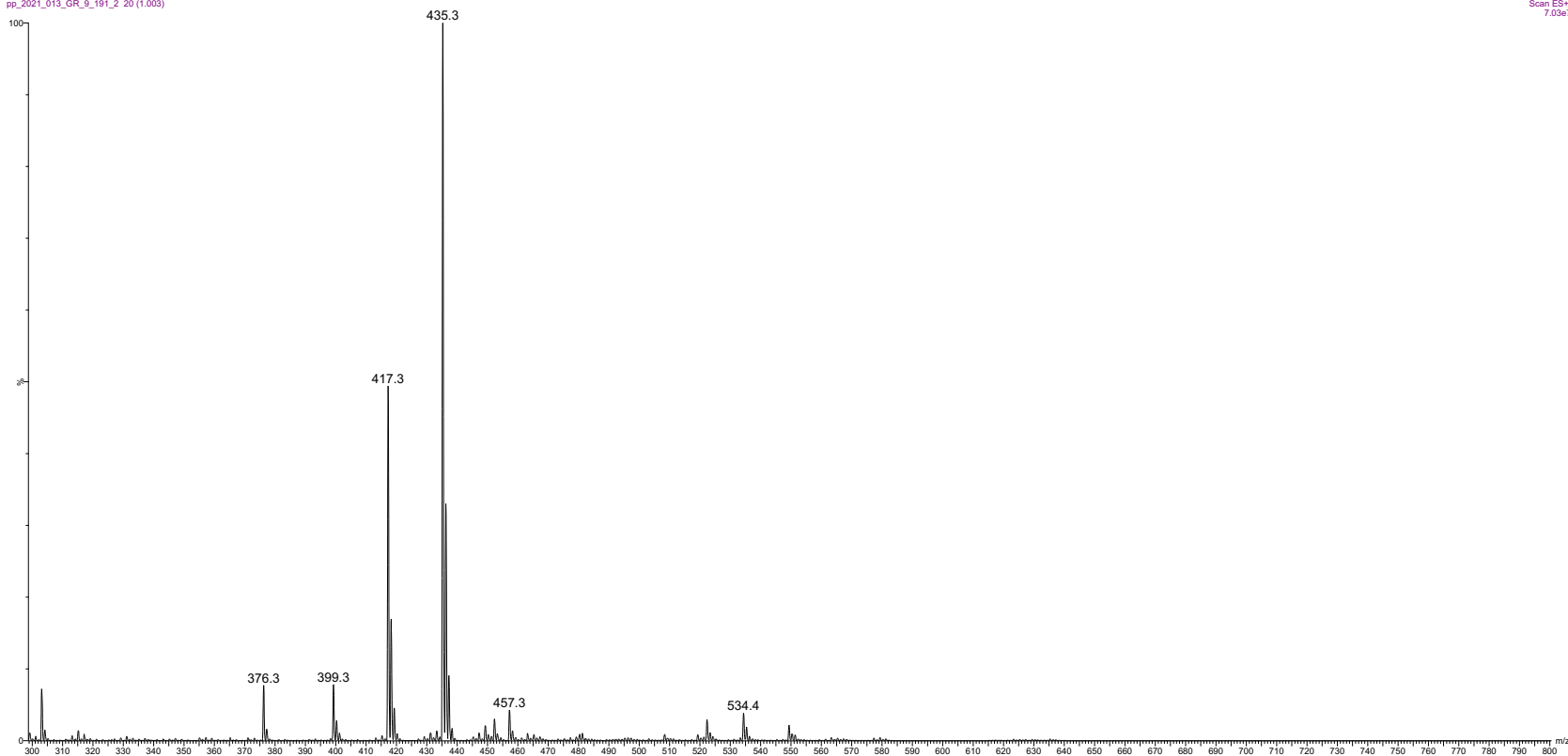


Viorica Rusu, QC/QA Manager

Lovastatin Diol Lactone-4-TBDMS Ether
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-9-191

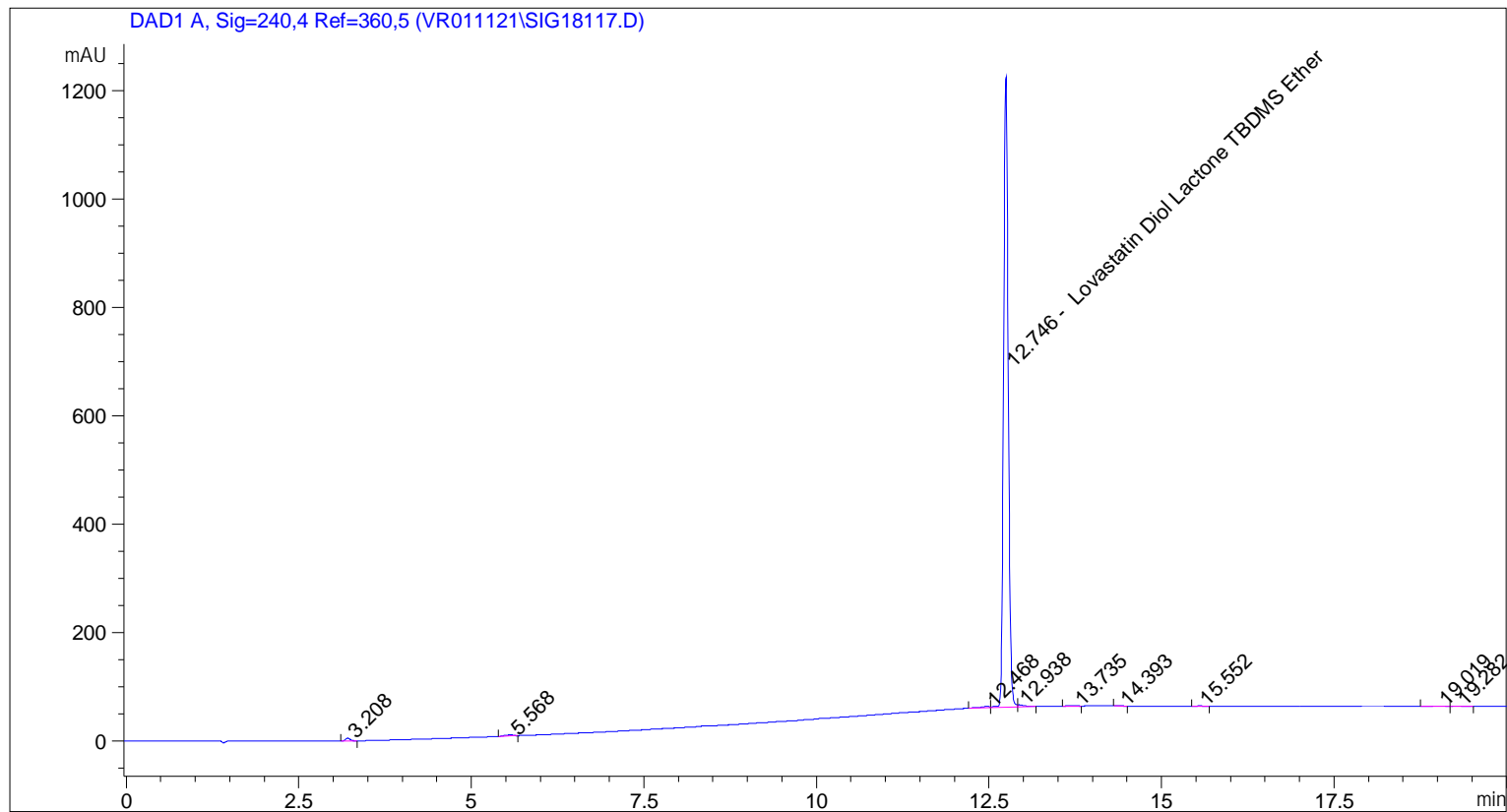


pp_2021_013_GR_9_191_2_20 (1.003)



ESI-MS spectrum for sample GR-9-191. Shows monoisotopic $[M+H]^+$ mass.

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 9
Injection Date : 4/28/2021 9:37:10 AM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR042821_191.M
Last changed : 4/28/2021 9:36:20 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR042821_191PM.M
Last changed : 4/28/2021 3:31:04 PM by vrusu



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

Sorted By : Signal
Calib. Data Modified : 4/28/2021 3:28:16 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.208	BB	0.0720	23.98557	0.4302	?
2	5.568	BB	0.0957	16.03547	0.2876	?
3	12.468	BV	0.1143	19.53314	0.3504	?
4	12.746	VV	0.0747	5467.85400	98.0767	Lovastatin Diol Lactone TBDMS Ether
5	12.938	VB	0.0821	19.46982	0.3492	?
6	13.735	BB	0.1170	7.59764	0.1363	?
7	14.393	BB	0.0860	2.97928	0.0534	?
8	15.552	BB	0.1051	2.25418	0.0404	?

Sample Name: GR-9-191

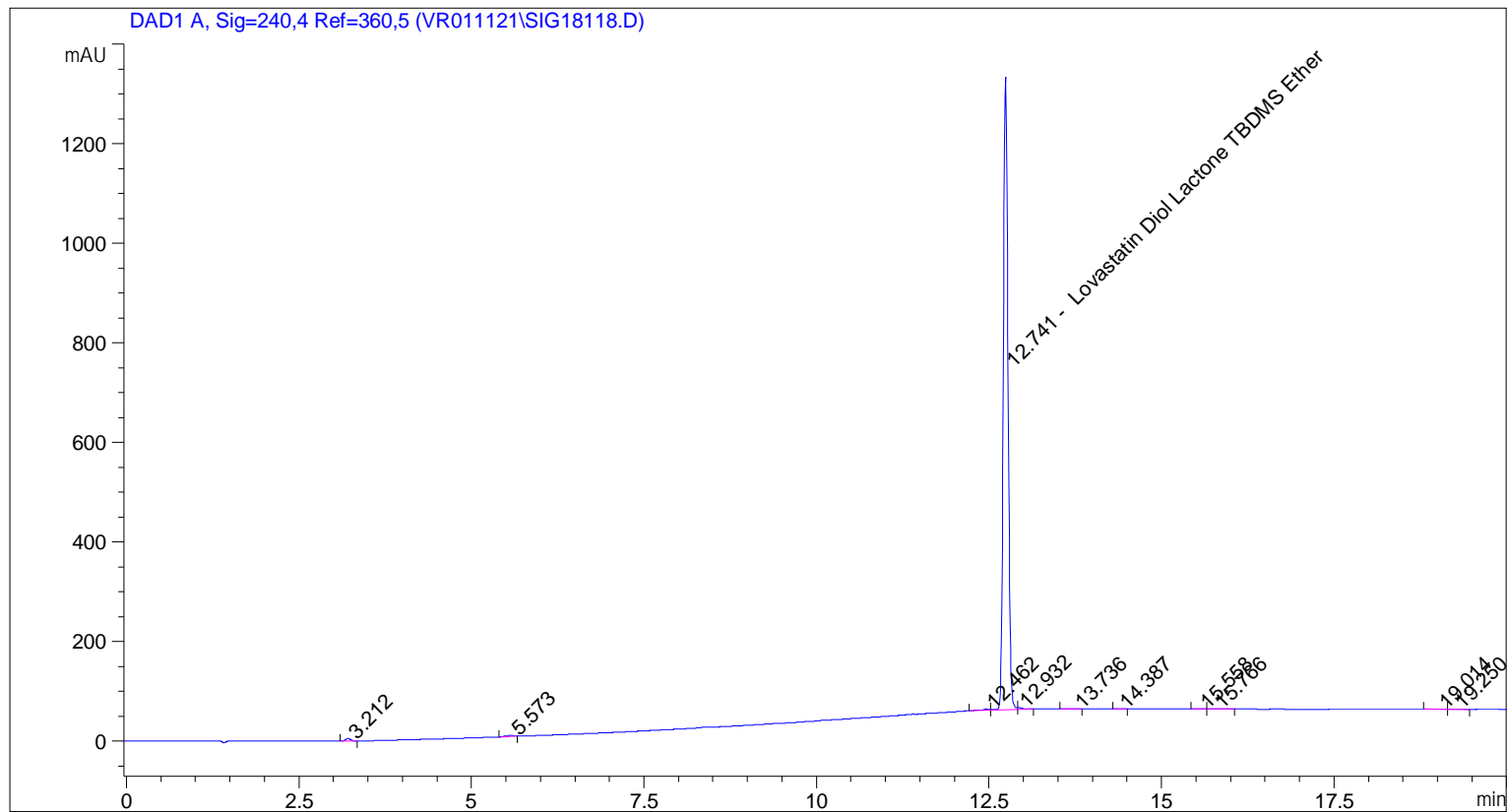
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	19.019	BV	0.1759	9.34614	0.1676	?
10	19.282	VB	0.1426	6.02204	0.1080	?

Totals : 5575.07727

=====
*** End of Report ***

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 10
Injection Date  : 4/28/2021 10:04:32 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR042821_191.M
Last changed    : 4/28/2021 10:03:42 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR042821_191PM.M
Last changed    : 4/28/2021 3:31:04 PM by vrusu
  
```



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

```

Sorted By           :      Signal
Calib. Data Modified :      4/28/2021 3:28:16 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.212	BB	0.0718	26.31924	0.4339	?
2	5.573	BB	0.0960	17.08463	0.2816	?
3	12.462	BV	0.1140	20.29105	0.3345	?
4	12.741	VV	0.0726	5947.14160	98.0358	Lovastatin Diol Lactone TBDMS Ether
5	12.932	VB	0.0765	18.44850	0.3041	?
6	13.736	BB	0.1183	8.37709	0.1381	?
7	14.387	BB	0.0912	3.47557	0.0573	?
8	15.558	BV	0.1062	2.51522	0.0415	?

Sample Name: GR-9-191 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	15.766	VB	0.1437	4.38061	0.0722	?
10	19.014	BV	0.1736	10.34861	0.1706	?
11	19.250	VB	0.1370	7.91473	0.1305	?

Totals : 6066.29684

=====
*** End of Report ***