

Source: Alcohol Countermeasure Systems, Inc.

Lot	201411K
Level	0.05g/210L
Manufacture Date	11/25/2014
Expiration Date	11/25/2016

BK

Bottle	Result (g/100mL)
1605	0.061
	0.061
1607	0.061
	0.060
1608	0.061
	0.061
1601	0.061
	0.060
1609	0.061
	0.061
1611	0.061
	0.061
1610	0.060
	0.060
1612	0.060
	0.061
1613	0.060
	0.060
1614	0.061
	0.060

Mean	0.0606
Std. Dev.	0.000502625
Min	0.060
Max	0.061

Loadlist-Alcohol Reference Solution Verification

Location	Sample
1	Volatiles Mix
2	Blank
3	Cerilliant 025
4	Cerilliant 100
5	Cerilliant 200
6	Cerilliant 400
7	Cerilliant 50
8	1605
9	1607
10	1608
11	1601
12	1609
13	1611
14	1610
15	1612
16	1613
17	1614
18	Cerilliant 100
19	1605
20	1607
21	1608
22	1601
23	1609
24	1611
25	1610
26	1612
27	1613
28	1614
29	Cerilliant 300
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	

Instrument Parameters			
Sample Temp	60	C	✓
Needle Temp	70	C	✓
Transfer Temp	80	C	✓
Thermostat time	15	min	✓
Pressurization time	2.0	min	✓
Withdraw time	0.1	min	✓
Injection Time	0.03	min	✓
Cycle Time	4.5	min	✓
inlet temp	90	C	✓
Carrier pressure	15	psi	✓
Column oven temp	55	C	✓
Run Time	5.0	min	✓
FID Temp	200	C	✓
Hydrogen Flow	45	mL/min	✓
Air Flow	450	mL/min	✓
Helium Flow	15	mL/min	✓

Reagents, Calibrators and Controls

Materials	Lot	Exp. Date
Internal Standard	bhk123014	na
Volatiles Mixture	041513dkr	na
Cerilliant 025	FN032210-01	04/2015
Cerilliant 100	FN050312-01	05/2017
Cerilliant 200	FN032712-01	03/2017
Cerilliant 400	FN012712-01	01/2017
Cerilliant 50	FN010912-01	01/2017
Cerilliant 100*	FN050312-01	05/2017
Cerilliant 300	FN09061305	10/2018

*separate ampule

Reference Solution

Level Tested:	0.050 g/210L
Lot #:	201411K
Manufacture Date:	11/25/2014
Expiration Date	11/25/2016

Operator: BR

Date: 1/7/15

Alcohol Analysis QC Summary

Report Date 1/8/2015

Reviewer Brett Kirkland *BK*

Run Summary Data			Ethanol				n-Propanol				
Run Date	Channel	Sample	Lot	RT	Area	Conc.	RT	Area	Conc.	RT	Area
3/5/2014	A	Vols Mix	041513dkr	1.422	14979.42	0.039	2.021	278995.29	0.000	2.022	279457.07
3/5/2014	A	Blank		0.000	0.00						
3/5/2014	A	CER 025	FN032210-01	1.423	9689.83	0.025	2.021	282845.35	0.100	2.021	280956.20
3/5/2014	A	CER 100	FN050312-01	1.423	38567.78	0.201	2.021	281315.43	0.400	2.021	282562.25
3/5/2014	A	CER 200	FN032712-01	1.422	77826.77	0.050	2.021	281529.25	0.061	2.021	279460.72
3/5/2014	A	CER 400	FN012712-01	1.423	19328.39	0.061	2.022	280680.00	0.061	2.021	281643.55
3/5/2014	A	Cerilliant 50	FN010912-01	1.423	23348.83	0.061	2.021	278974.06	0.061	2.021	277141.26
3/5/2014	A	1605	201411K	1.423	23394.18	0.061	2.021	277557.70	0.060	2.021	280550.08
3/5/2014	A	1607	201411K	1.423	23476.04	0.060	2.021	279352.66	0.060	1.998	280530.38
3/5/2014	A	1608	201411K	1.423	23309.95	0.061	2.022	280479.63	0.100	2.021	280479.63
3/5/2014	A	1601	201411K	1.423	23149.37	0.061	2.021	279256.72	0.060	2.022	280566.00
3/5/2014	A	1609	201411K	1.423	23226.10	0.060	2.021	277904.51	0.060	2.022	280432.19
3/5/2014	A	1611	201411K	1.423	23299.48	0.061	2.020	281974.15	0.061	2.022	278203.29
3/5/2014	A	1610	201411K	1.423	23196.58	0.060	2.022	278160.10	0.060	2.022	280655.32
3/5/2014	A	1613	201411K	1.397	23222.39	0.060	2.022	289185.54	0.060	2.022	292135.86
3/5/2014	A	1614	201411K	1.423	23570.20	0.061	2.021	290086.61	0.100	2.021	290086.61
3/5/2014	A	Cerilliant 100	FN050312-01	1.422	38727.36	0.100	2.021		0.100	2.021	
3/5/2014	A	1605	201411K	1.422	23274.04	0.061	2.021		0.061	2.021	
3/5/2014	A	1607	201411K	1.423	23349.58	0.060	2.022		0.060	2.022	
3/5/2014	A	1608	201411K	1.423	23160.41	0.061	2.021		0.061	2.021	
3/5/2014	A	1601	201411K	1.423	23243.00	0.060	2.022		0.060	2.022	
3/5/2014	A	1609	201411K	1.422	23574.66	0.061	2.020		0.061	2.020	
3/5/2014	A	1611	201411K	1.423	23314.01	0.061	2.022		0.061	2.022	
3/5/2014	A	1610	201411K	1.423	23147.61	0.060	2.022		0.060	2.022	
3/5/2014	A	1612	201411K	1.423	23484.48	0.061	2.022		0.061	2.022	
3/5/2014	A	1613	201411K	1.423	23863.74	0.060	2.022		0.060	2.022	
3/5/2014	A	1614	201411K	1.423	24167.12	0.060	2.022		0.060	2.022	
3/5/2014	A	Cerilliant 300	N09061305	1.423	119864.49	0.299	2.021		0.299	2.021	

ALCOHOL ANALYSIS QC SUMMARY

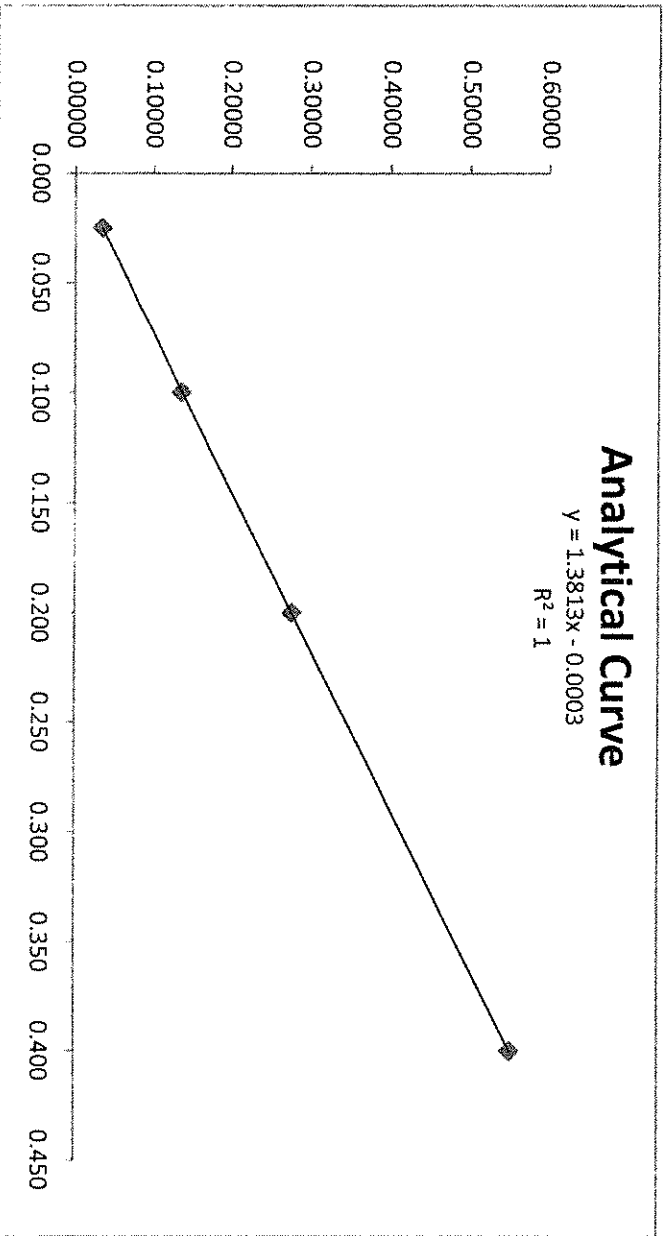
Report Date 1/8/2015

Reviewer Brett Kirkland

BK

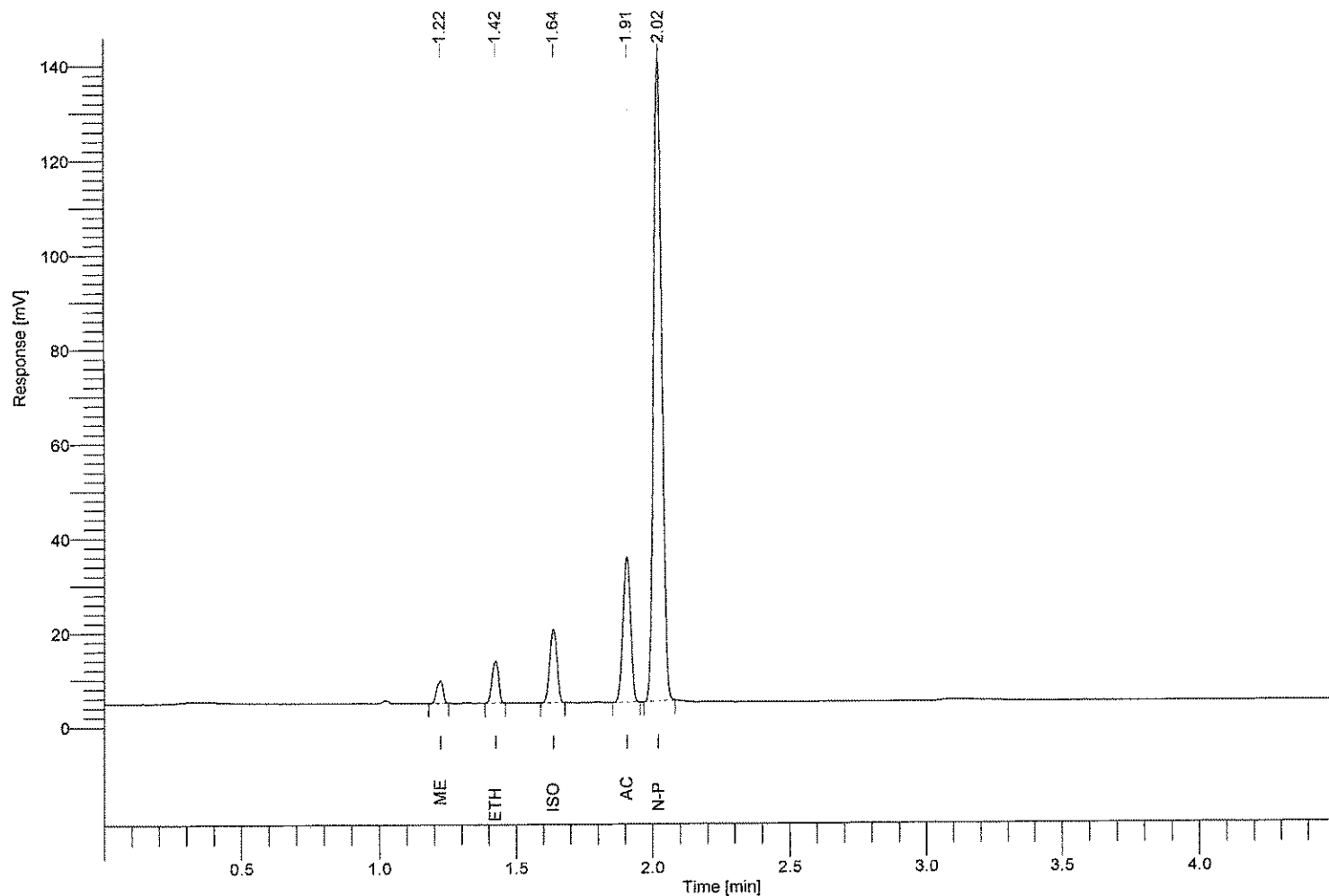
RUN SUMMARY DATA				Ethanol		n-Propanol		
Run Date	Channel	Sample	Lot	RT	Area	Conc.	RT	Area
1/7/2015	A	CER 025	FN032210-01	1.423	9689.83	0.025	2.021	282845.4
1/7/2015	A	CER 100	FN050312-01	1.423	38567.78	0.100	2.021	280956.2
1/7/2015	A	CER 200	FN032712-01	1.422	77826.77	0.201	2.021	281315.4
1/7/2015	A	CER 400	FN012712-01	1.422	155966.1	0.400	2.021	282562.3

Summary		Standard		g/dl	Ratio	Calc.	Diff
Slope	1.3813	Blank	CER 025	0.000	0.00000	0.00000	0.00000
Intercept	-0.0003	CER 100	CER 200	0.100	0.13727	0.09961	-0.00039
Standard Error	0.000652382	CER 200	CER 400	0.200	0.27665	0.20052	0.00052
R-Squared	1.0000	CER 400		0.400	0.55197	0.39984	-0.00016



Software Version : 6.3.2.0646 Date : 1/7/2015 2:13:50 PM
Reprocess Number : gc-pc: 818
Sample Name : Volatile Mix Data Acquisition Time : 1/7/2015 2:09:08 PM
Instrument Name : ClarusGC Channel : A
Rack/Vial : 0/0 Operator : manager BK
Sample Amount : 1.000000 Dilution Factor : 1.000000
Cycle : 1

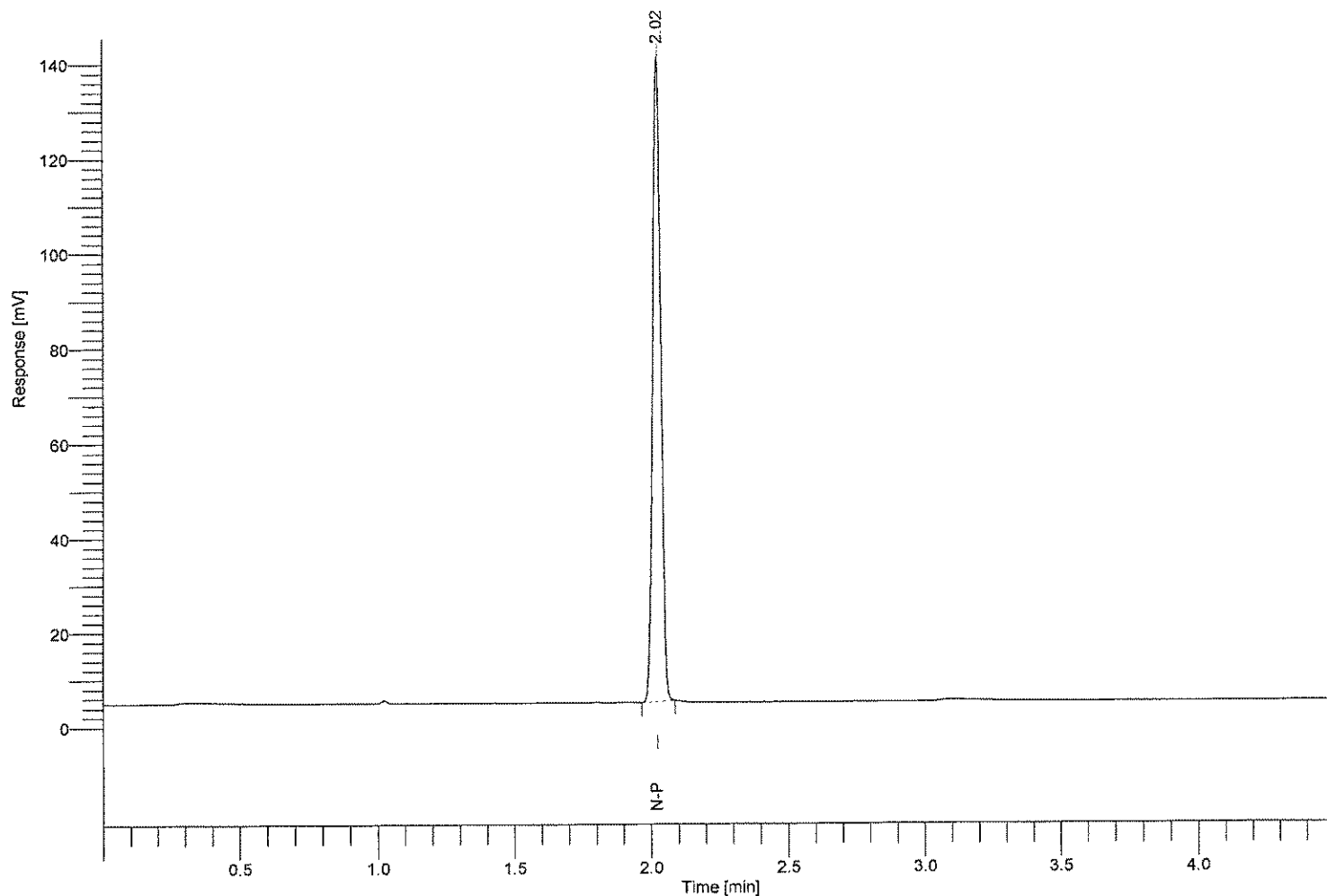
Result File : c:\totalchrom data\01072015\data001.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq



Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.221	0.604	7673.86	0.040
ethanol	1.422	0.704	14979.42	0.039
isopropanol	1.635	0.809	28870.07	0.040
acetone	1.906	0.943	60467.28	0.040
n-propanol	2.021	1.000	278995.29	-----

Software Version : 6.3.2.0646 Date : 1/7/2015 2:18:51 PM
Reprocess Number : gc-pc: 819
Sample Name : Blank Data Acquisition Time : 1/7/2015 2:14:08 PM
Instrument Name : ClarusGC Channel : A
Rack/Vial : 0/0 Operator : manager BK
Sample Amount : 1.000000 Dilution Factor : 1.000000
Cycle : 2

Result File : c:\totalchrom data\01072015\data002.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

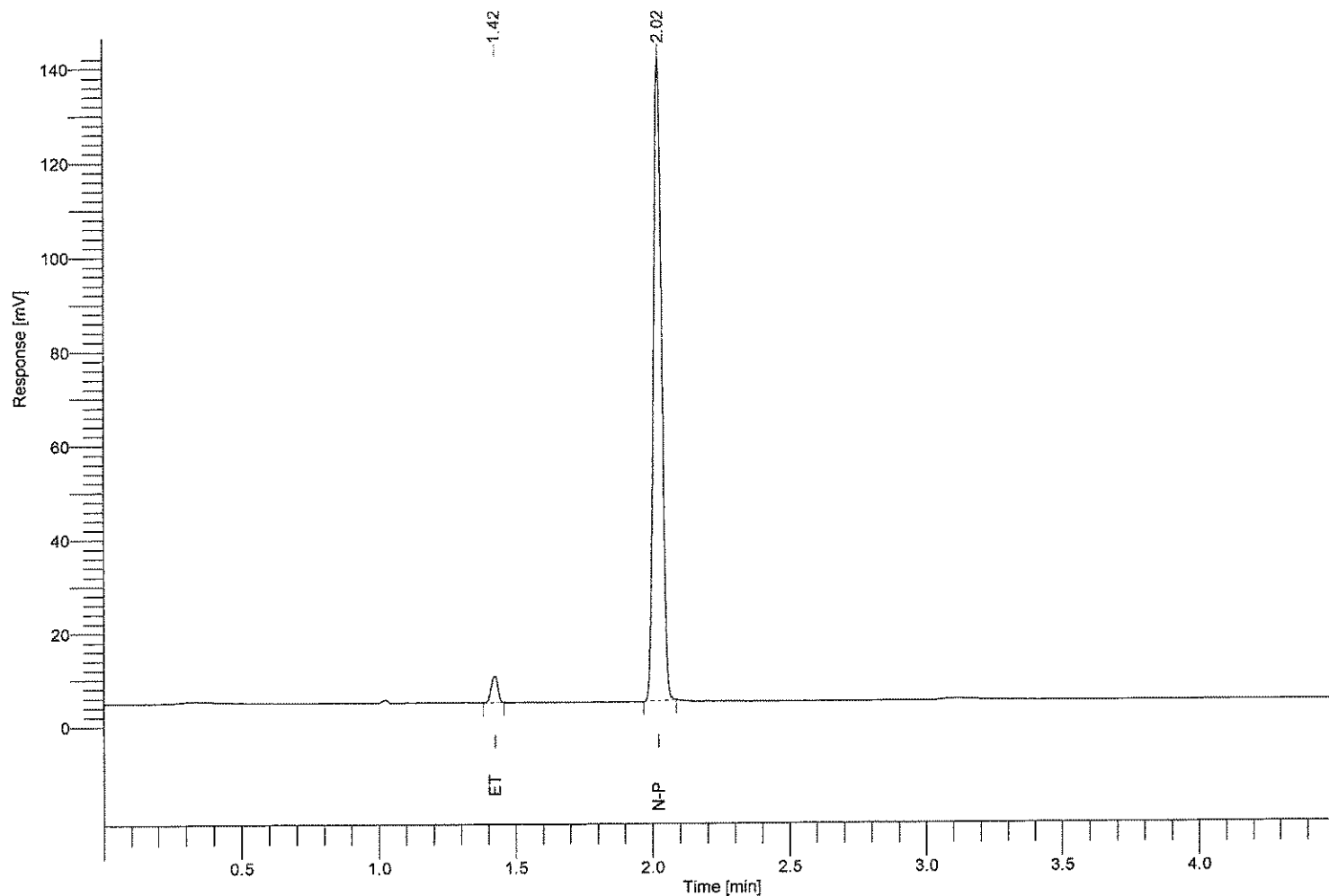


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.420	----	0.00	0.000
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	2.022	1.000	279457.07	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 820
Sample Name : CER 025
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 3

Date : 1/7/2015 2:23:51 PM
Data Acquisition Time : 1/7/2015 2:19:08 PM
Channel : A
Operator : manager BK
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data003.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

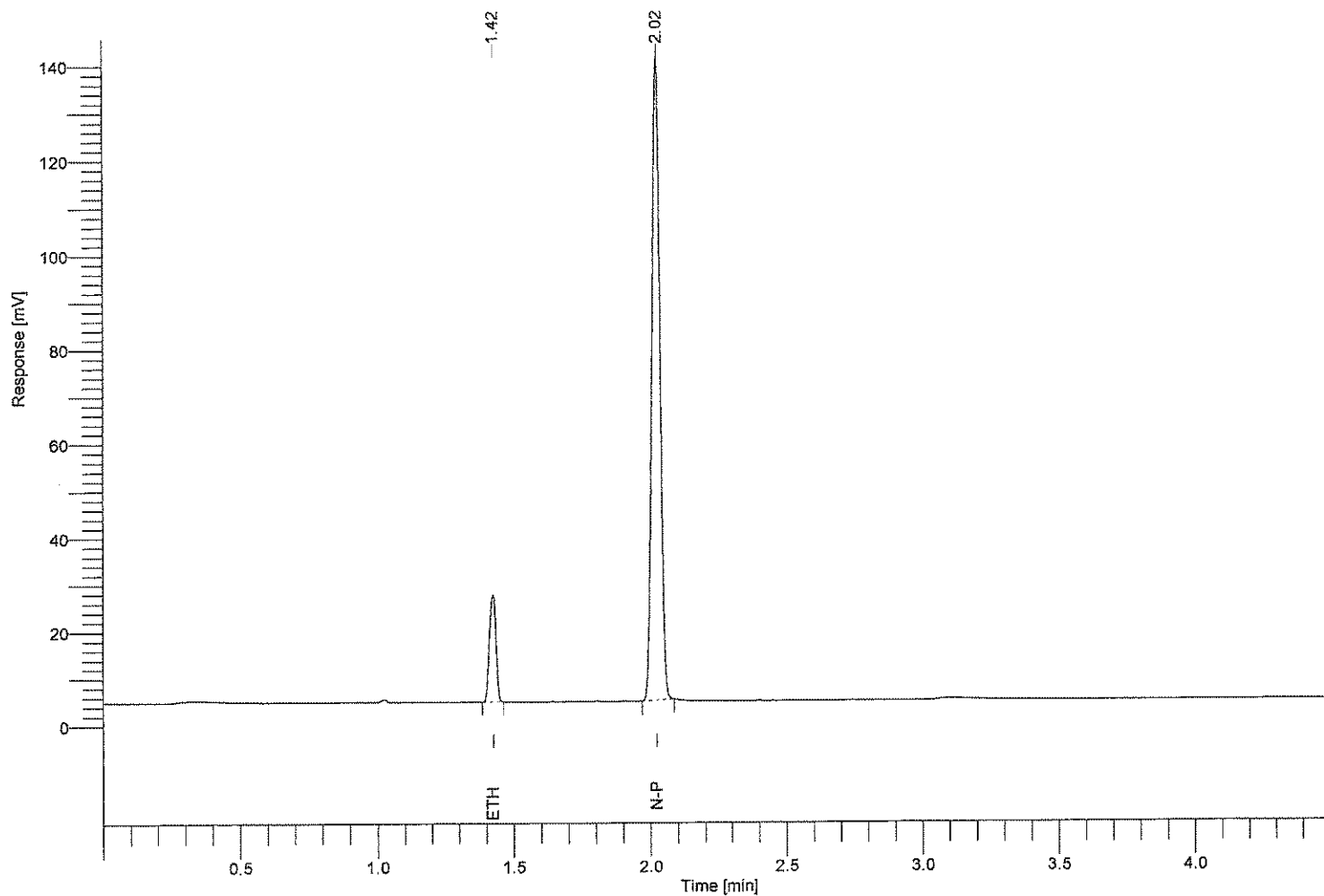


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.423	0.704	9689.83	0.025
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	2.021	1.000	282845.35	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 821
Sample Name : CER 100
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 4

Date : 1/7/2015 2:28:51 PM
Data Acquisition Time : 1/7/2015 2:24:08 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data004.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

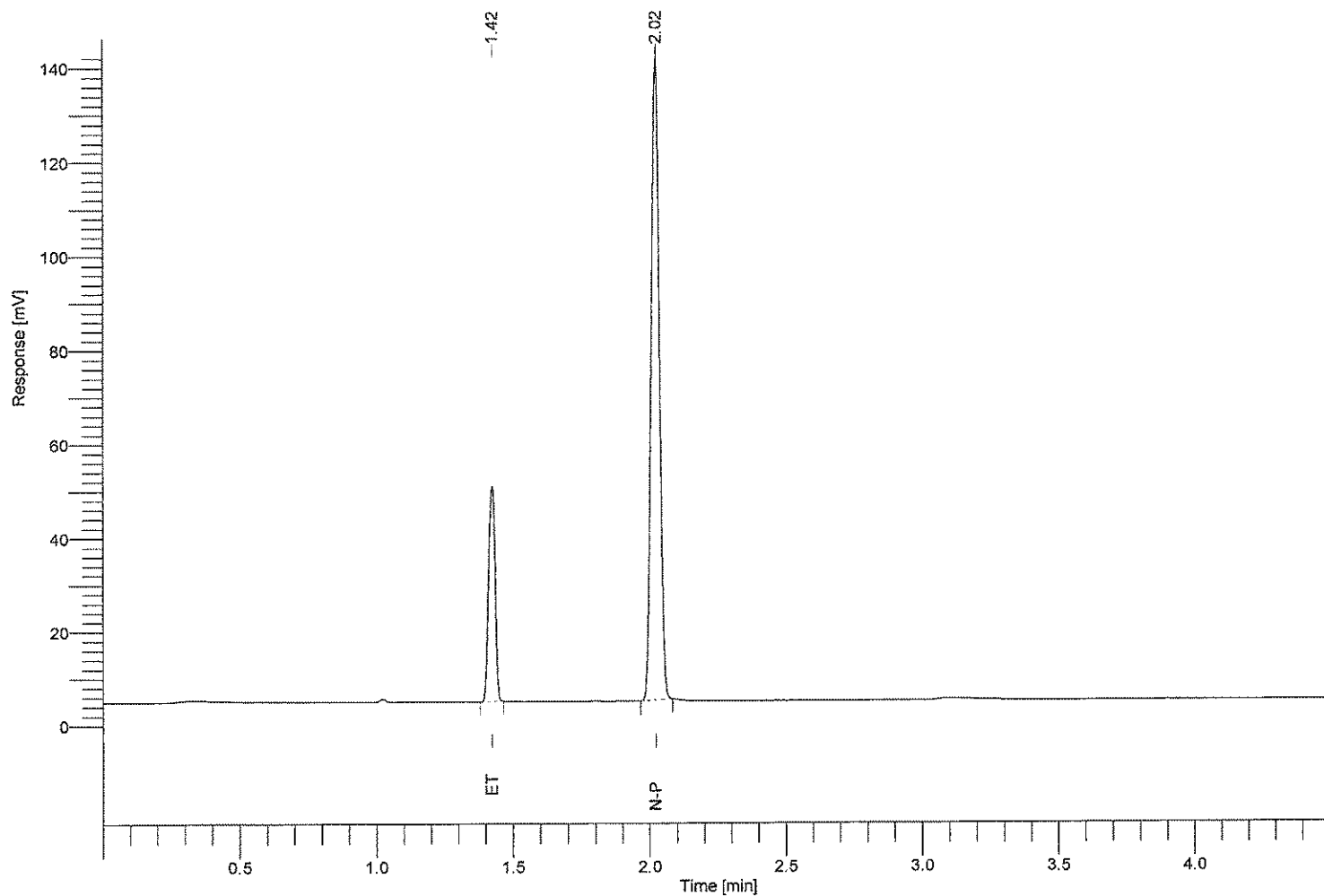


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	38567.78	0.100
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	280956.20	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 822
Sample Name : CER 200
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 5

Date : 1/7/2015 2:33:51 PM
Data Acquisition Time : 1/7/2015 2:29:08 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data005.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

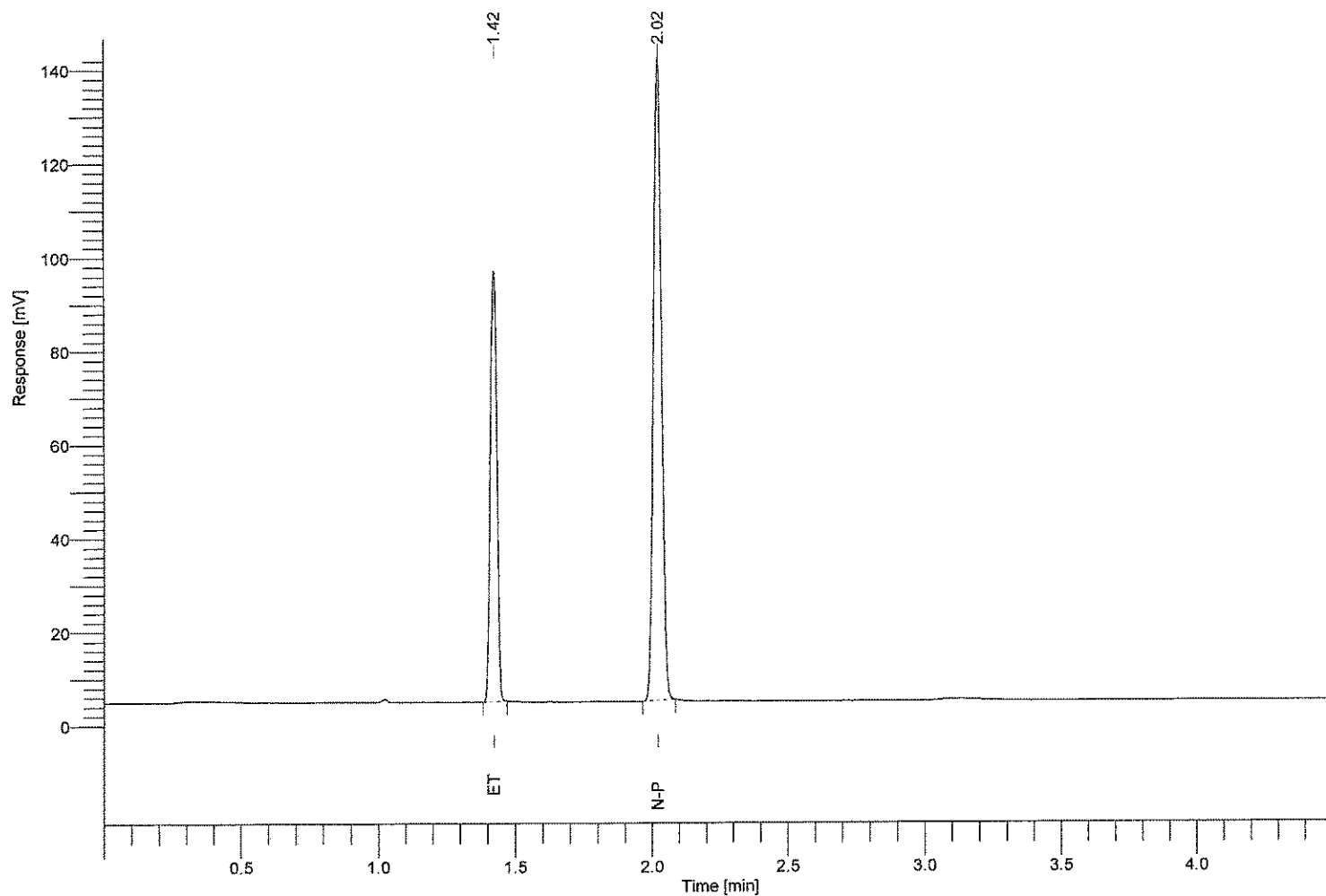


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.422	0.704	77826.77	0.201
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	281315.43	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 823
Sample Name : CER 400
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 6

Date : 1/7/2015 2:38:51 PM
Data Acquisition Time : 1/7/2015 2:34:08 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data006.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

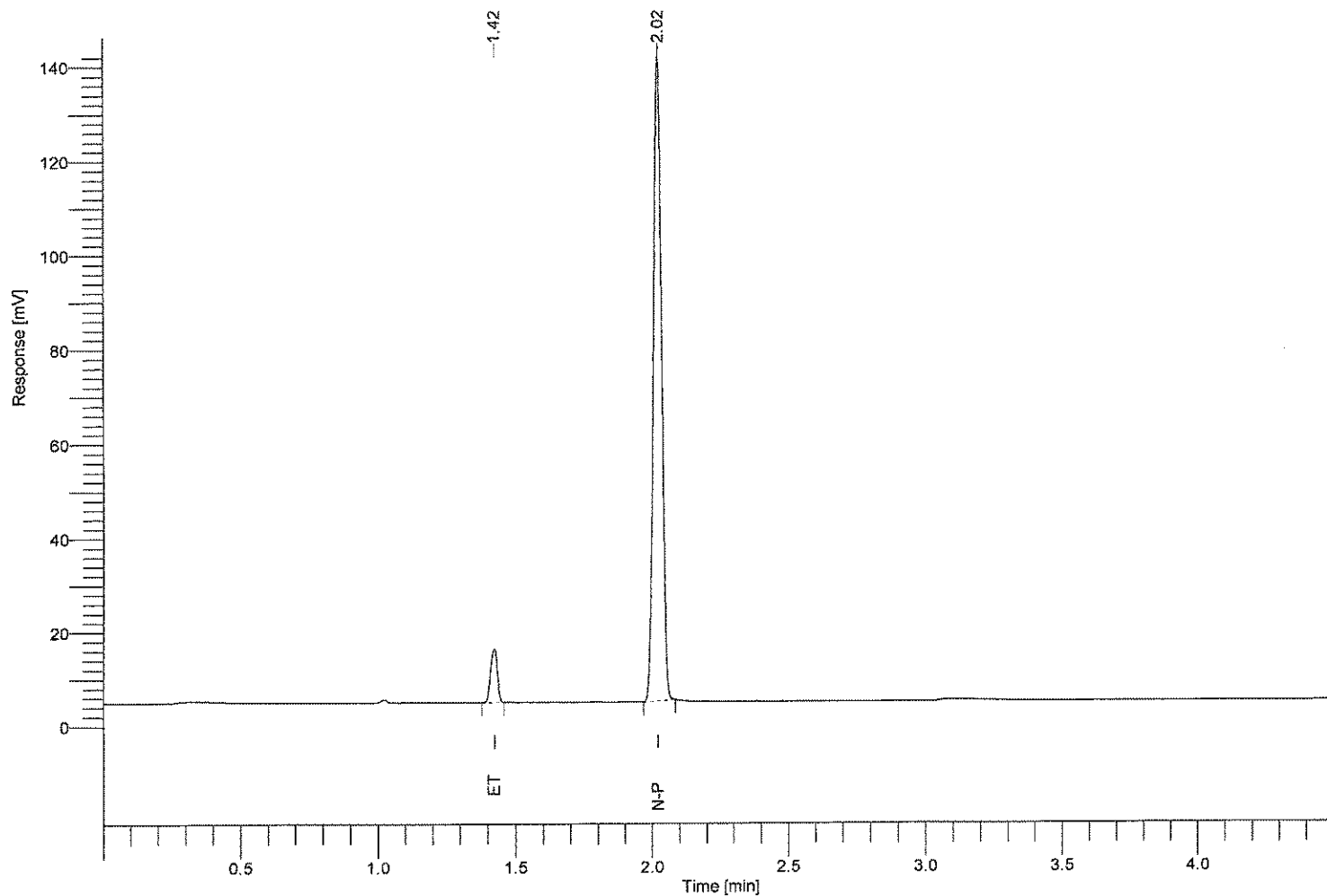


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.422	0.704	155966.06	0.400
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	282562.25	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 824
Sample Name : CER 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 7

Date : 1/7/2015 2:43:51 PM
Data Acquisition Time : 1/7/2015 2:39:08 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data007.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

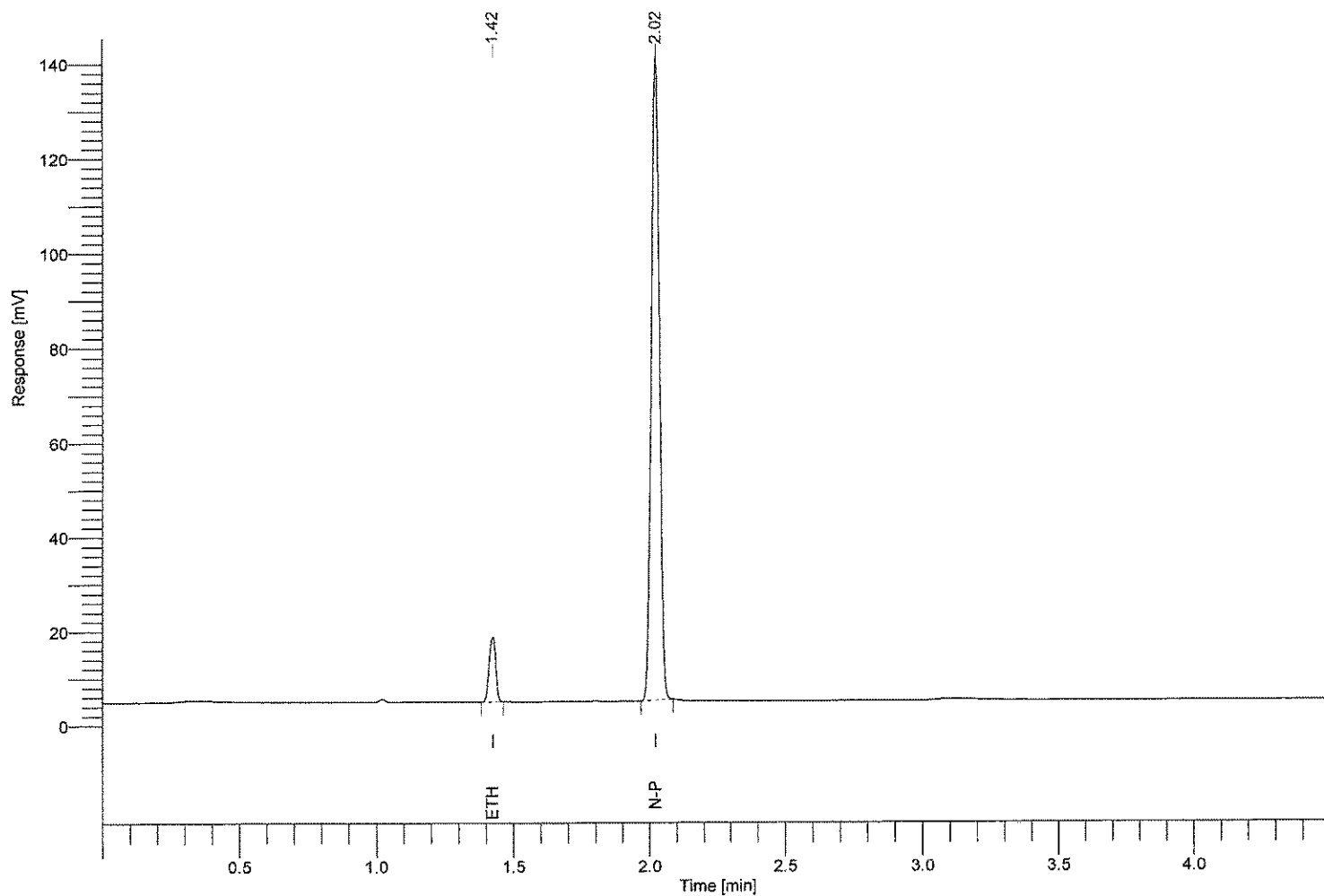


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	19328.39	0.050
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	281529.25	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 825
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 8

Date : 1/7/2015 2:48:51 PM
Data Acquisition Time : 1/7/2015 2:44:08 PM
Channel : A
Operator : manager *AK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data008.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

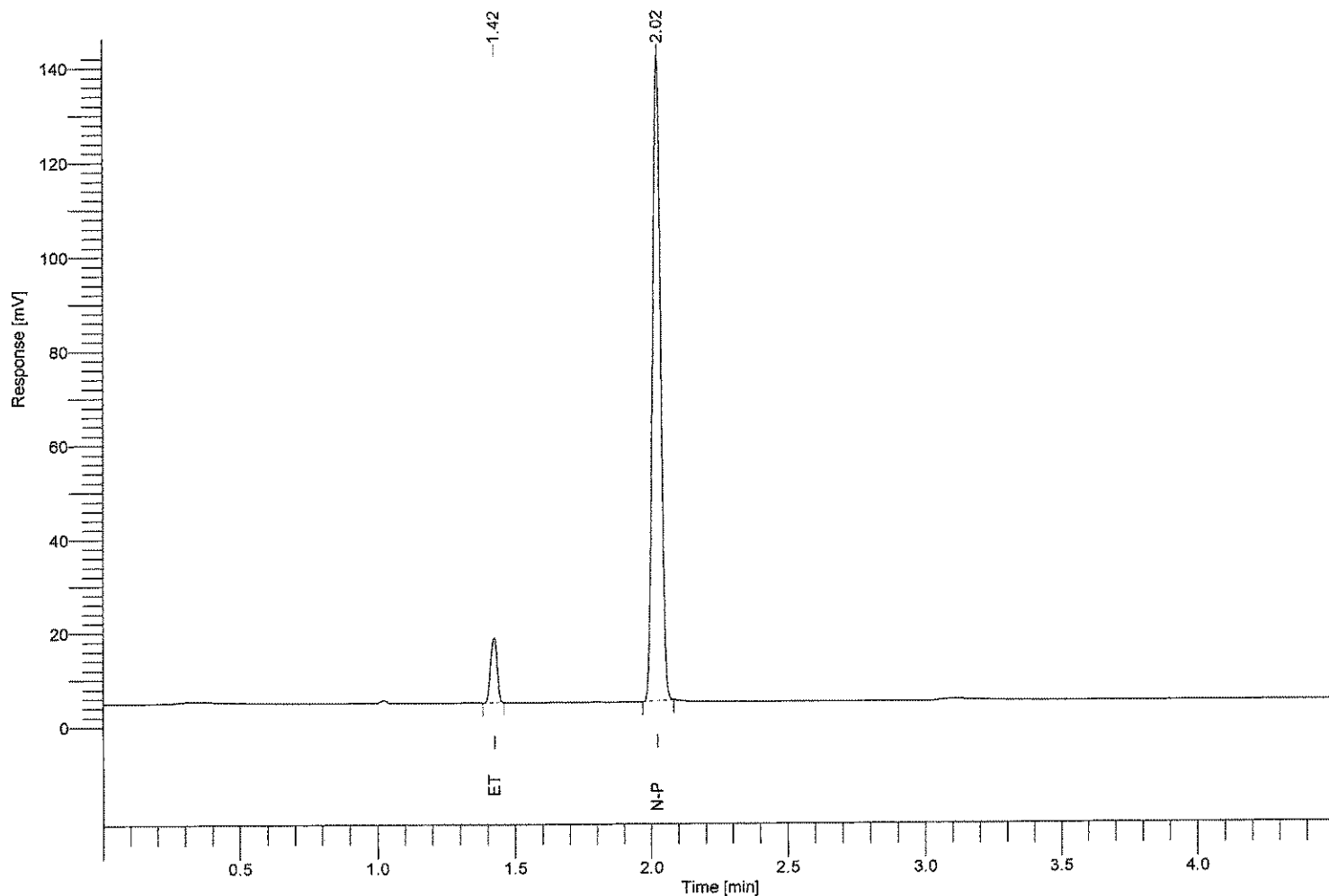


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23348.83	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	279460.72	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 826
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 9

Date : 1/7/2015 2:53:51 PM
Data Acquisition Time : 1/7/2015 2:49:07 PM
Channel : A
Operator : manager BK
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data009.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

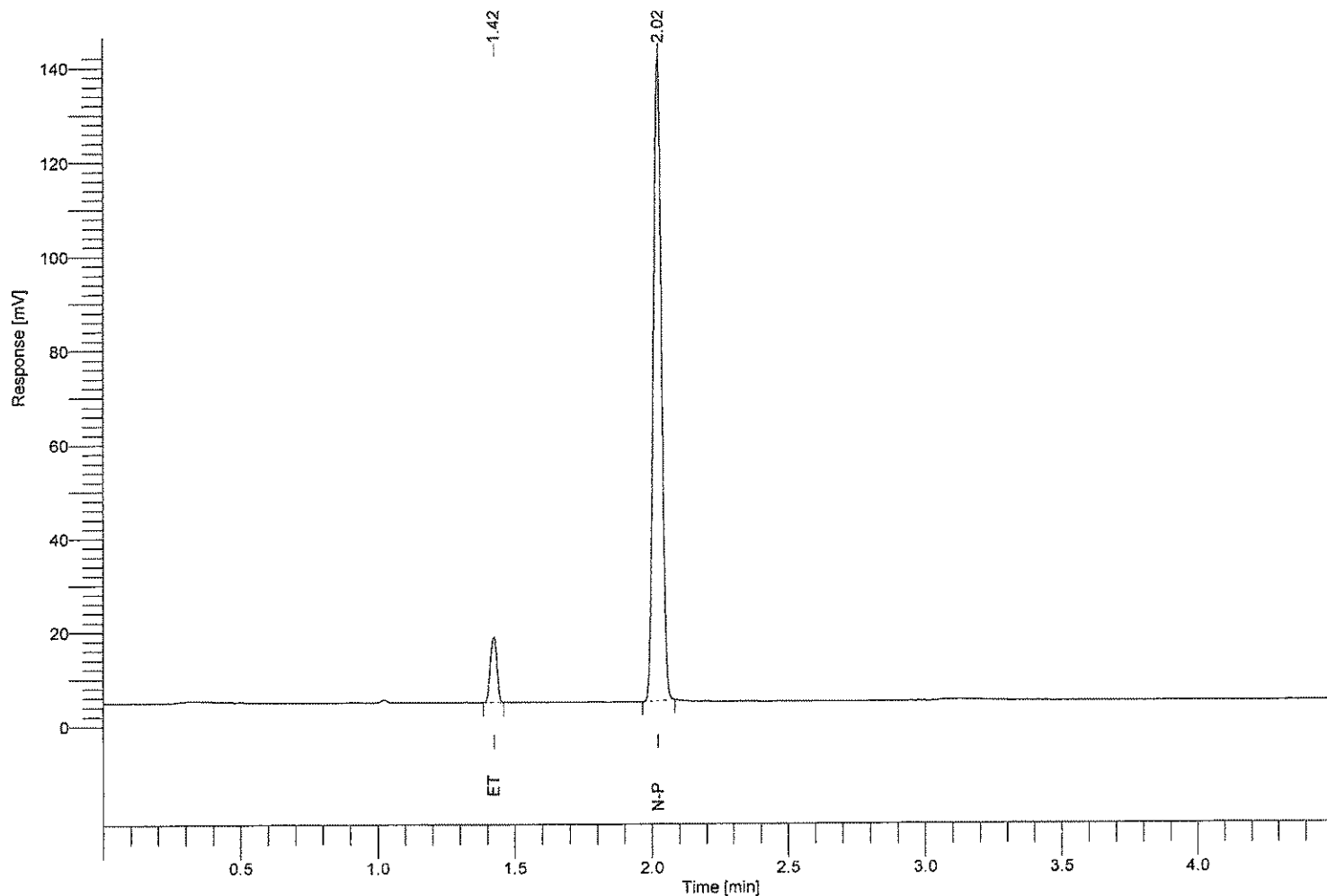


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.423	0.704	23394.18	0.061
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	2.022	1.000	280680.00	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 827
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 10

Date : 1/7/2015 2:58:50 PM
Data Acquisition Time : 1/7/2015 2:54:07 PM
Channel : A
Operator : manager *BSK*
Dilution Factor : 1.000000

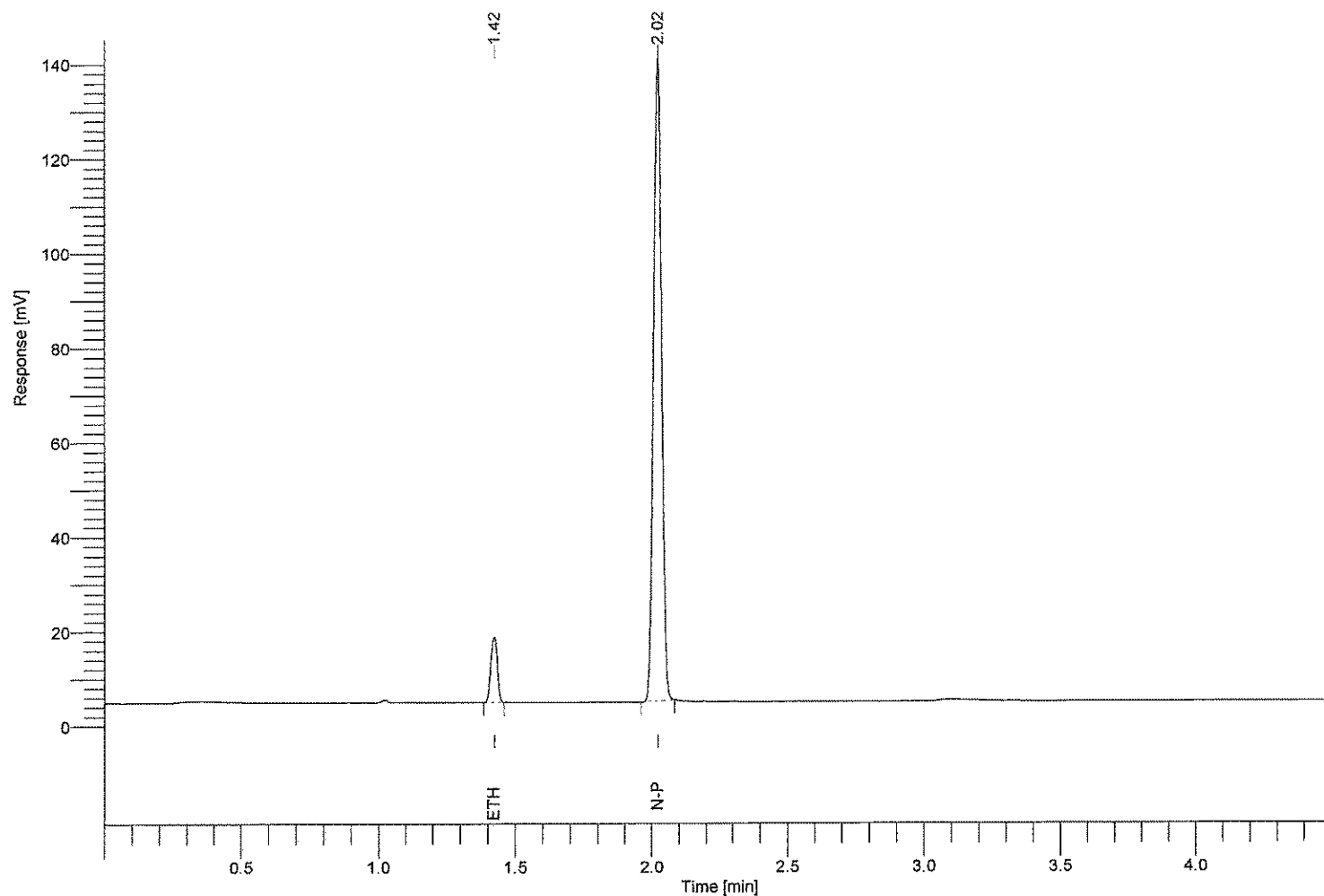
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Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq



Component Name	Time [min]	RRt	Area [$\mu\text{V} \cdot \text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23476.04	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	281643.55	-----

Software Version : 6.3.2.0646 Date : 1/7/2015 3:03:51 PM
Reprocess Number : gc-pc: 828
Sample Name : 50
Instrument Name : ClarusGC Data Acquisition Time : 1/7/2015 2:59:07 PM
Rack/Vial : 0/0 Channel : A
Sample Amount : 1.000000 Operator : manager BK
Cycle : 11 Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data011.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

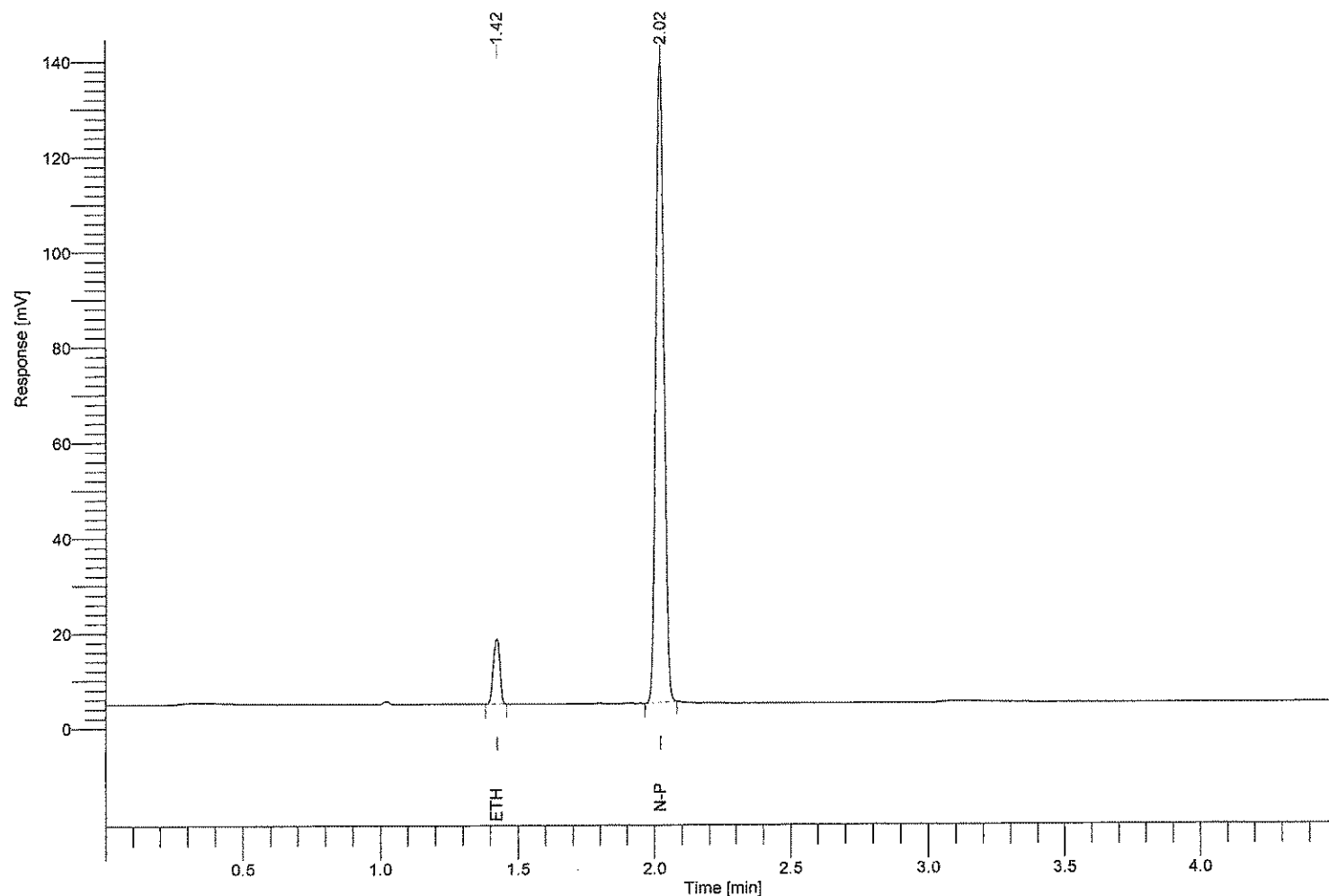


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23309.95	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	278974.06	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 829
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 12

Date : 1/7/2015 3:08:51 PM
Data Acquisition Time : 1/7/2015 3:04:07 PM
Channel : A
Operator : manager *JK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data012.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

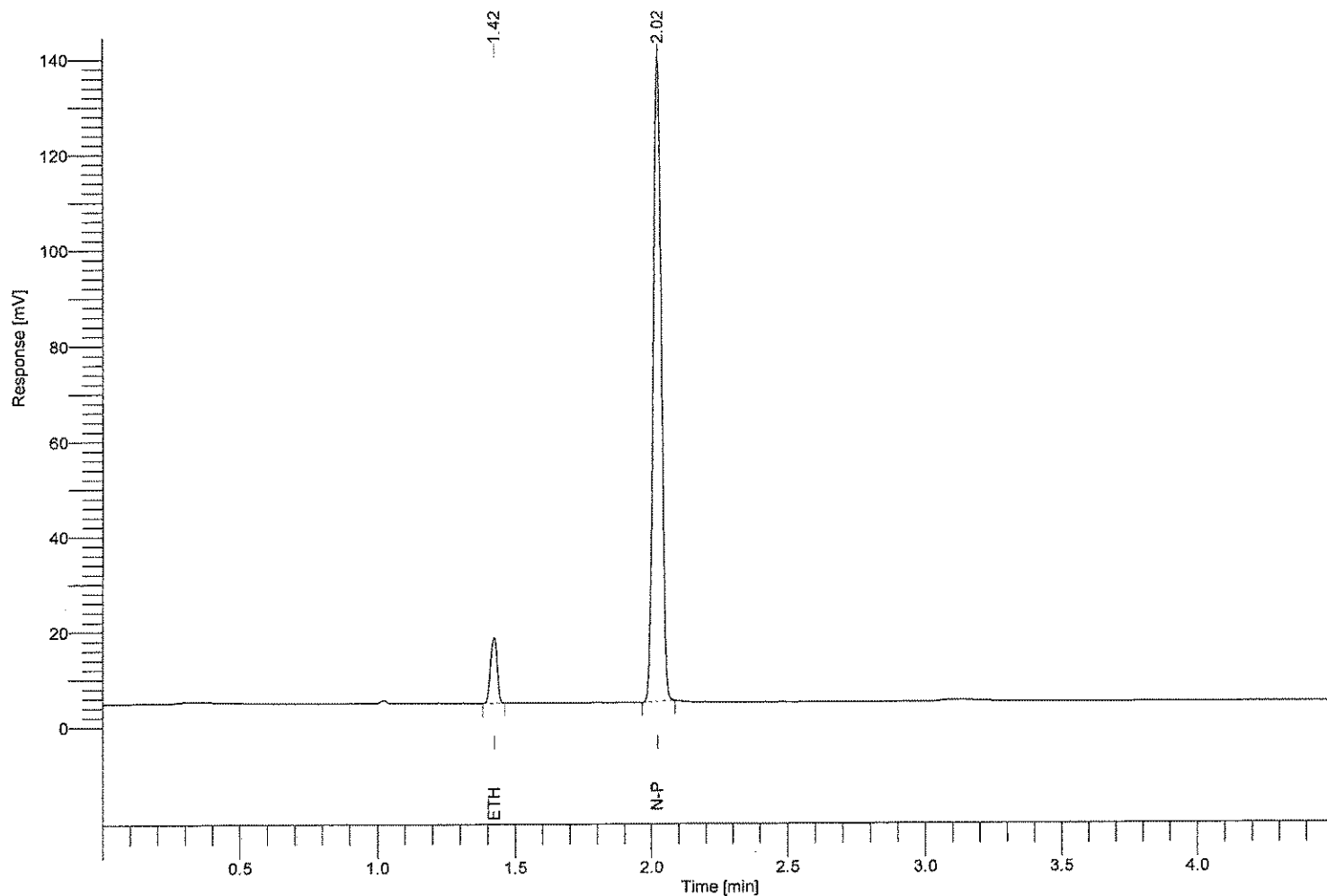


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23149.37	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	277141.26	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 830
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 13

Date : 1/7/2015 3:13:51 PM
Data Acquisition Time : 1/7/2015 3:09:07 PM
Channel : A
Operator : manager BK
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data\013.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

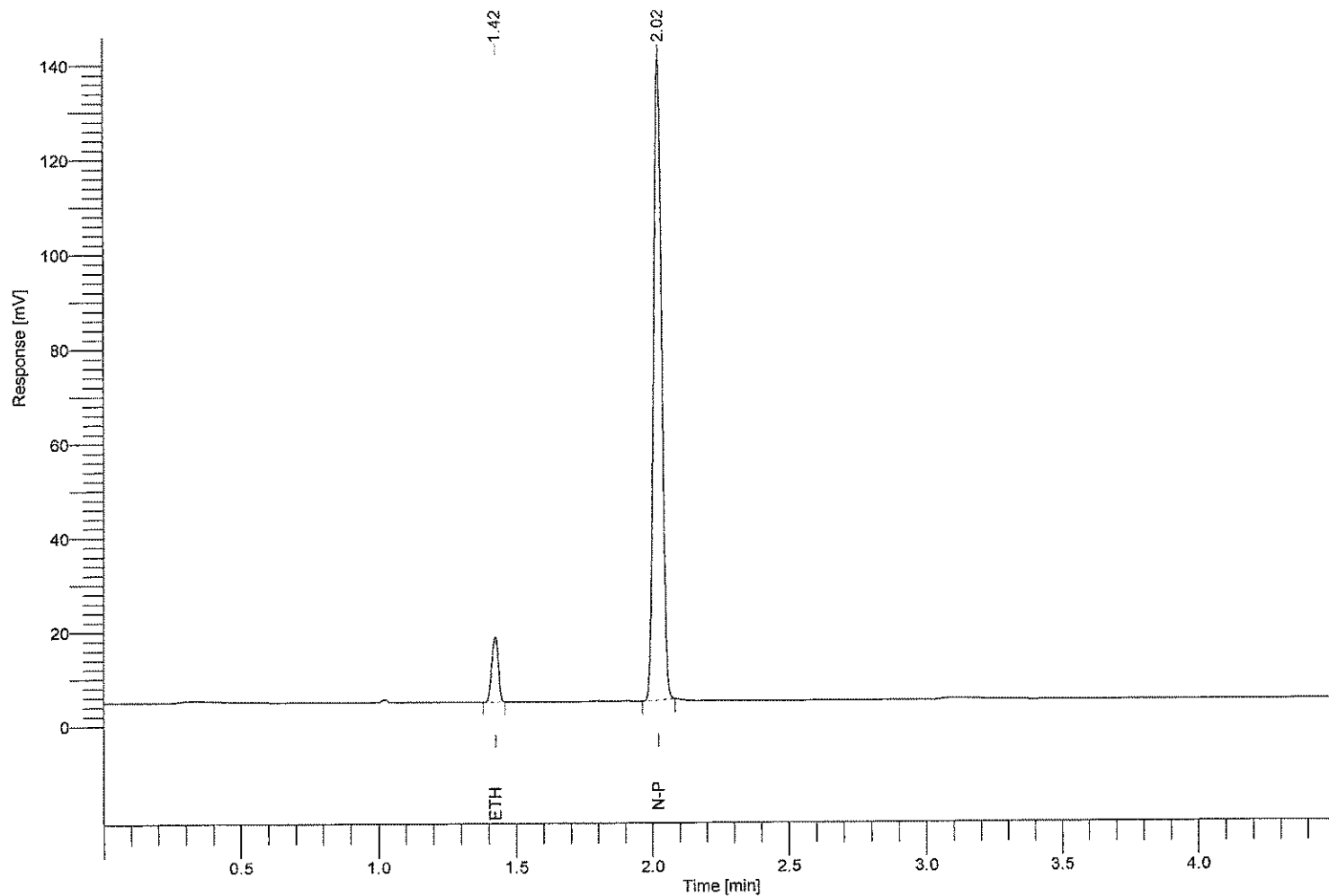


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23226.10	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	277557.70	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 831
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 14

Date : 1/7/2015 3:18:51 PM
Data Acquisition Time : 1/7/2015 3:14:07 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data014.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

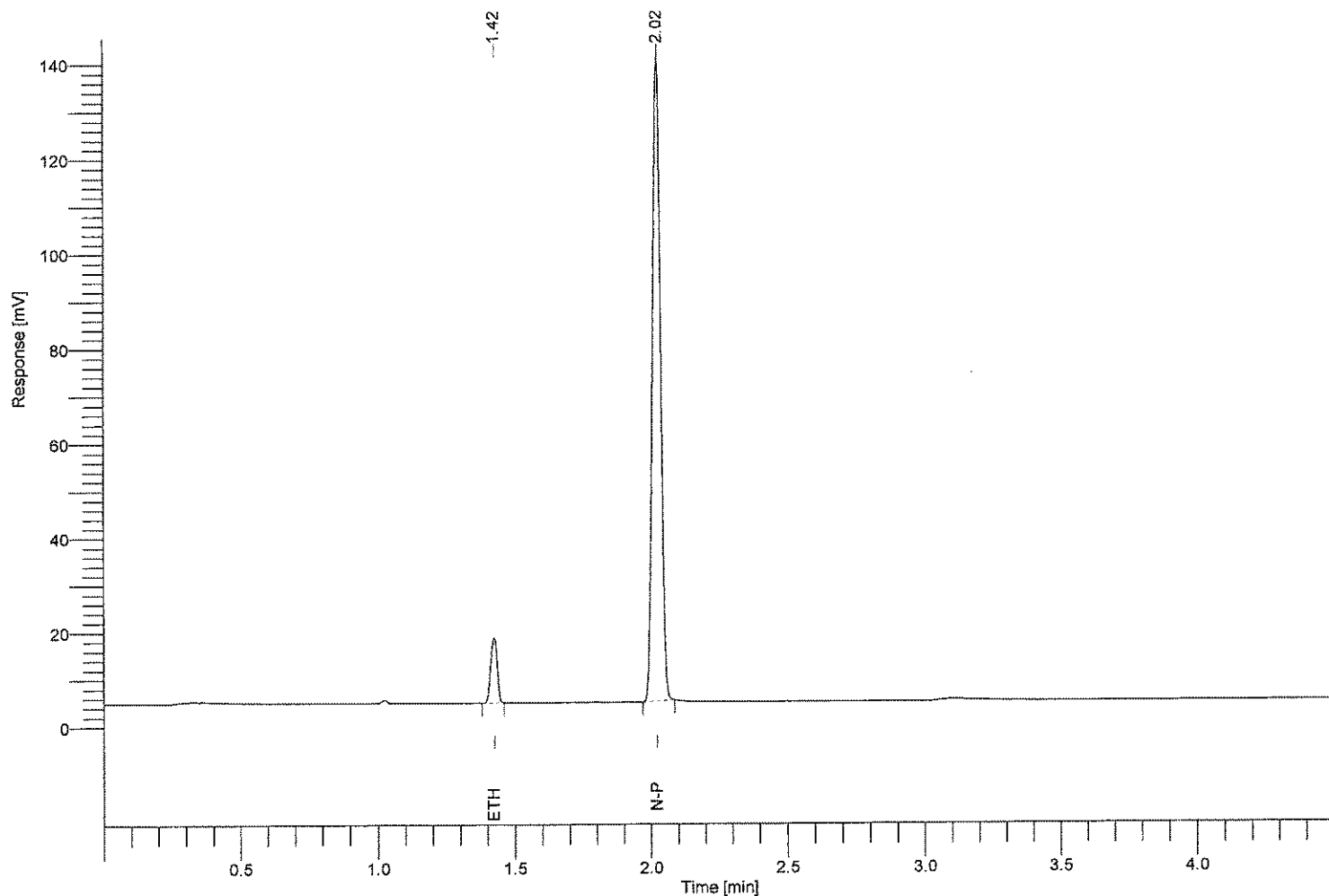


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.423	0.704	23299.48	0.060
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	2.021	1.000	280550.08	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 832
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 15

Date : 1/7/2015 3:23:51 PM
Data Acquisition Time : 1/7/2015 3:19:07 PM
Channel : A
Operator : manager BK
Dilution Factor : 1.000000

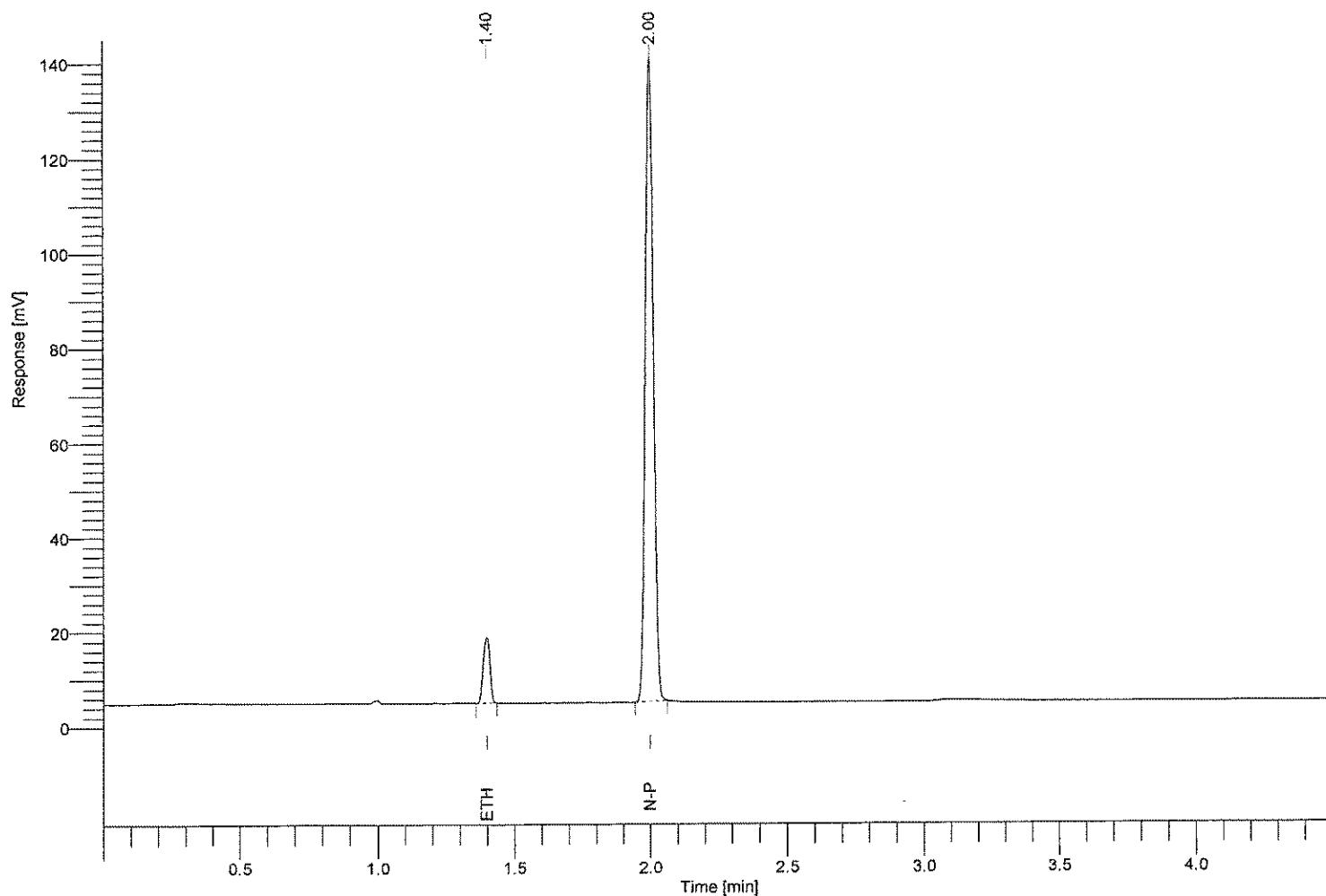
Result File : c:\totalchrom data\01072015a\data015.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq



Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23196.58	0.060
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	279352.66	-----

Software Version : 6.3.2.0646 Date : 1/7/2015 3:28:50 PM
Reprocess Number : gc-pc: 833
Sample Name : 50
Instrument Name : ClarusGC Data Acquisition Time : 1/7/2015 3:24:07 PM
Rack/Vial : 0/0 Channel : A
Sample Amount : 1.000000 Operator : manager BK
Cycle : 16 Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data\016.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

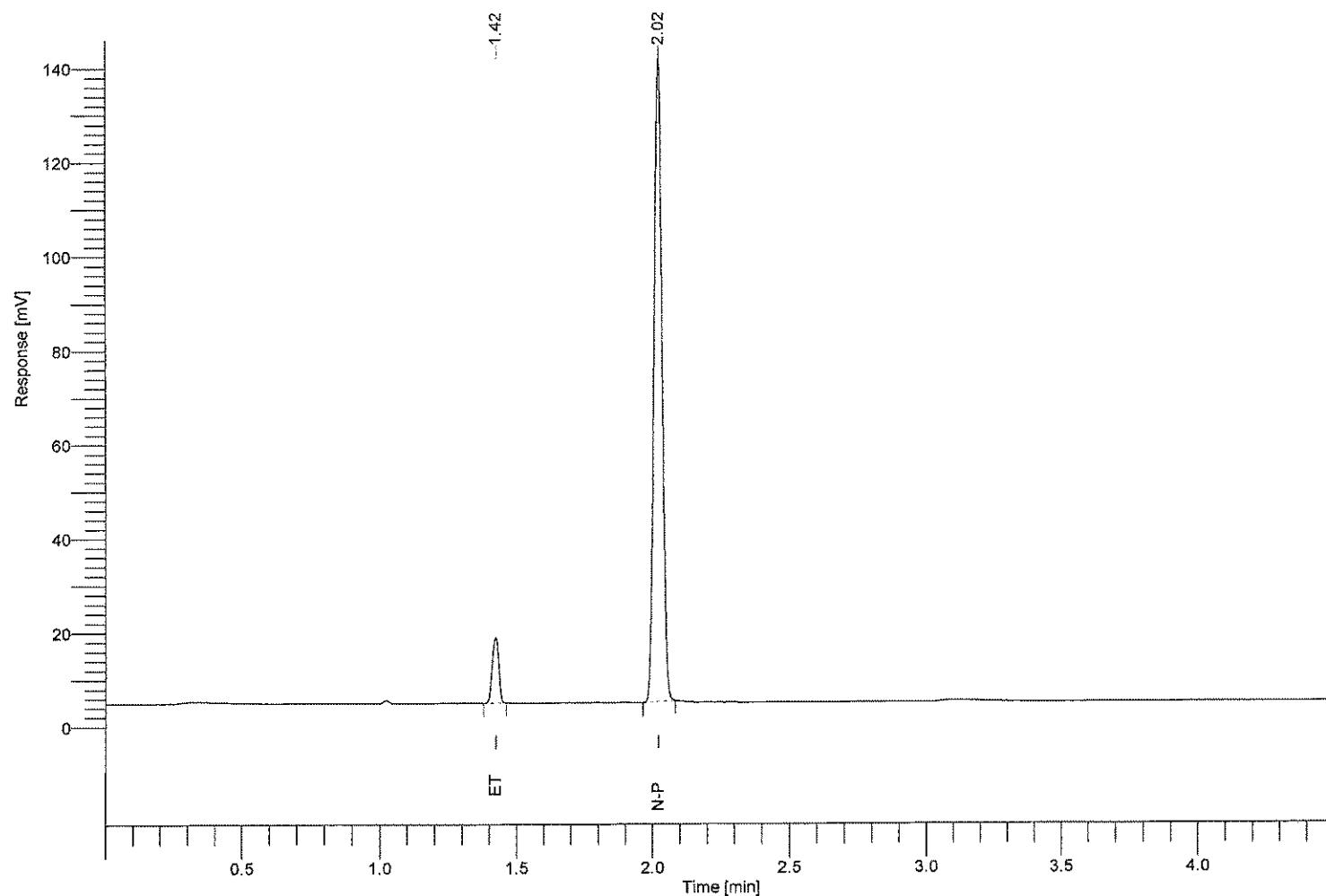


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.397	0.699	23222.39	0.060
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	1.998	1.000	280530.38	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 834
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 17

Date : 1/7/2015 3:33:51 PM
Data Acquisition Time : 1/7/2015 3:29:07 PM
Channel : A
Operator : manager *MSK*
Dilution Factor : 1.000000

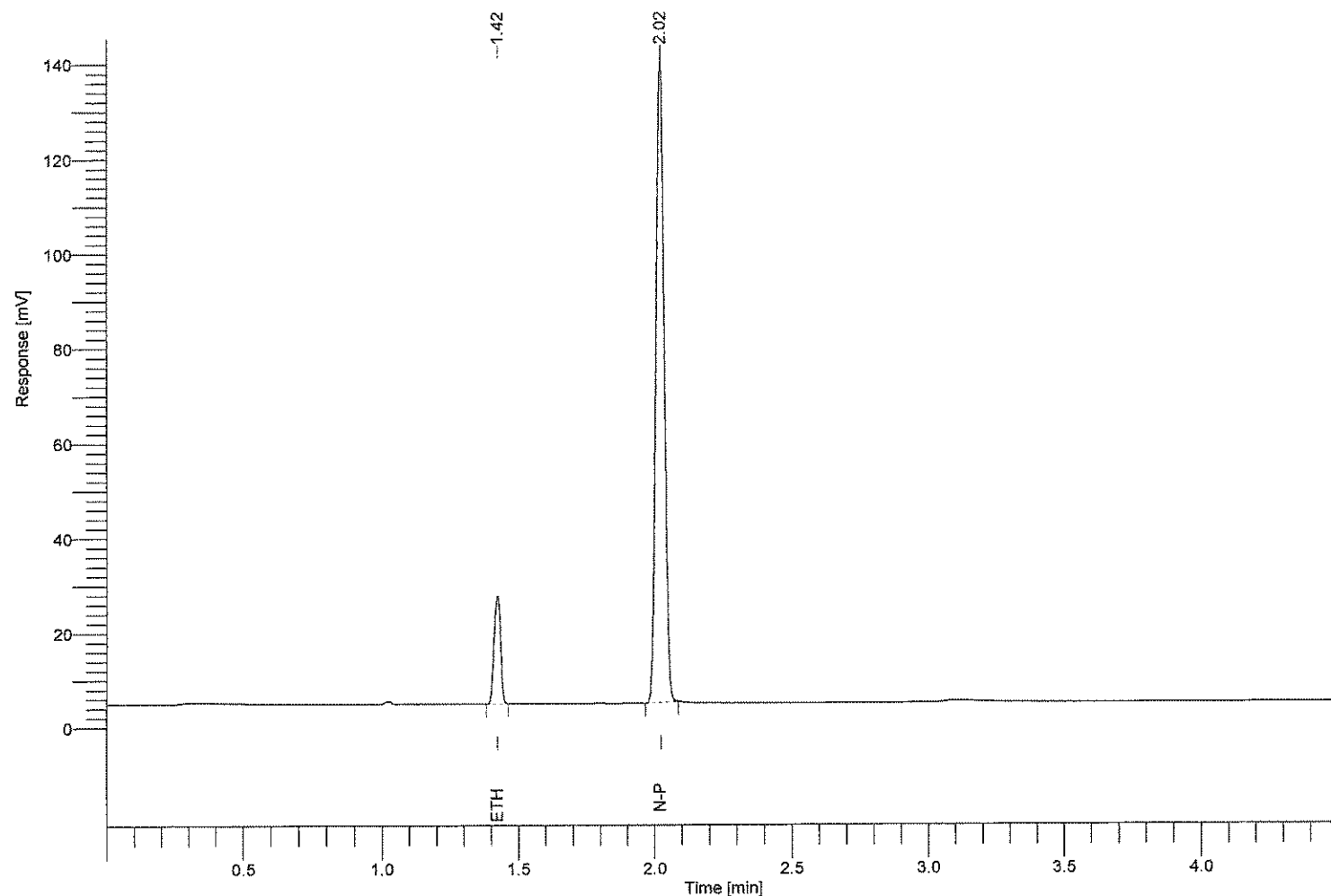
Result File : c:\totalchrom data\01072015\data017.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq



Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23570.20	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	280533.54	-----

Software Version : 6.3.2.0646 Date : 1/7/2015 3:38:50 PM
Reprocess Number : gc-pc: 835
Sample Name : CER 100 Data Acquisition Time : 1/7/2015 3:34:07 PM
Instrument Name : ClarusGC Channel : A
Rack/Vial : 0/0 Operator : manager *MBK*
Sample Amount : 1.000000 Dilution Factor : 1.000000
Cycle : 18

Result File : c:\totalchrom data\01072015\data018.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

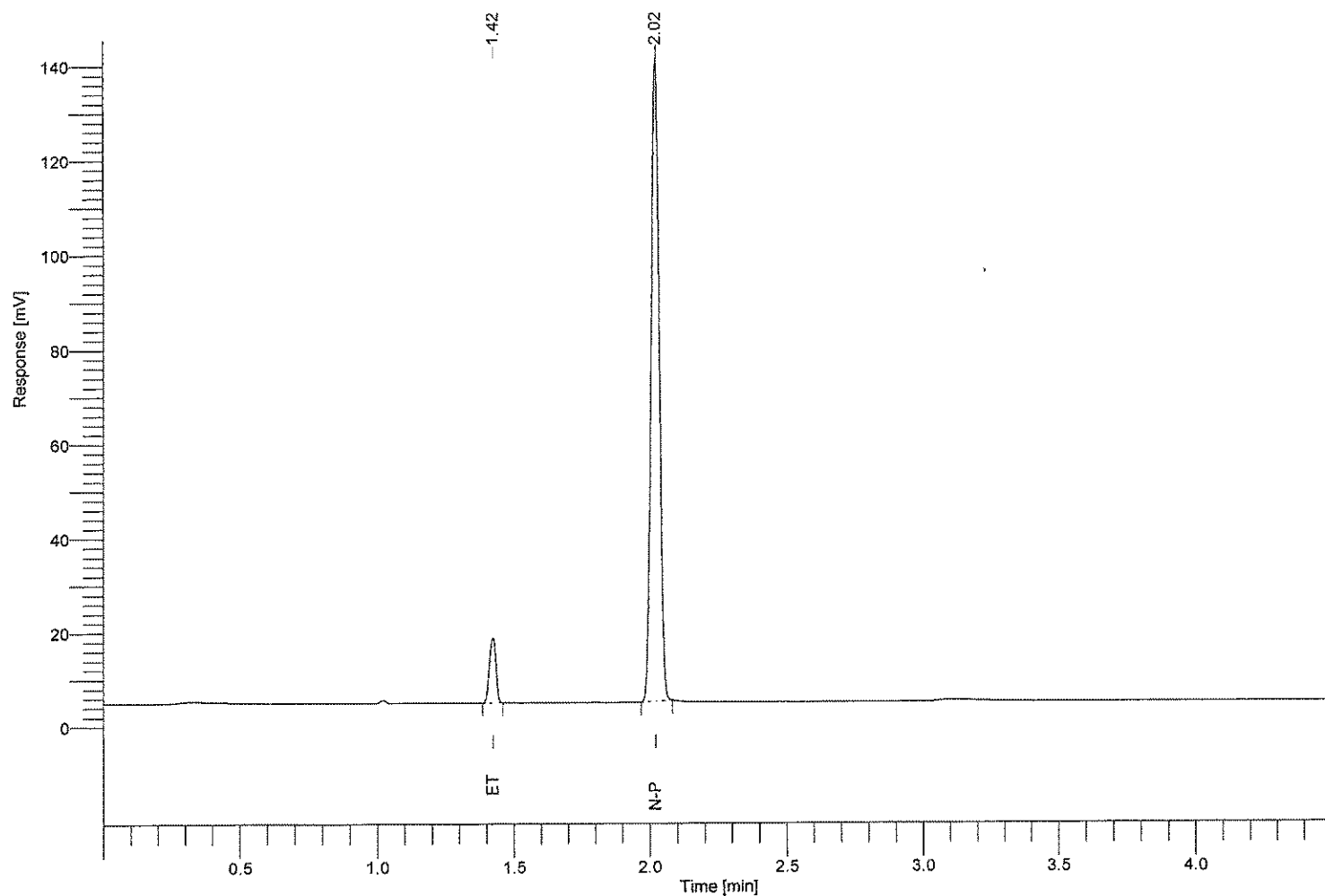


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.422	0.704	38727.36	0.100
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	280479.63	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 836
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 19

Date : 1/7/2015 3:43:51 PM
Data Acquisition Time : 1/7/2015 3:39:06 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data019.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

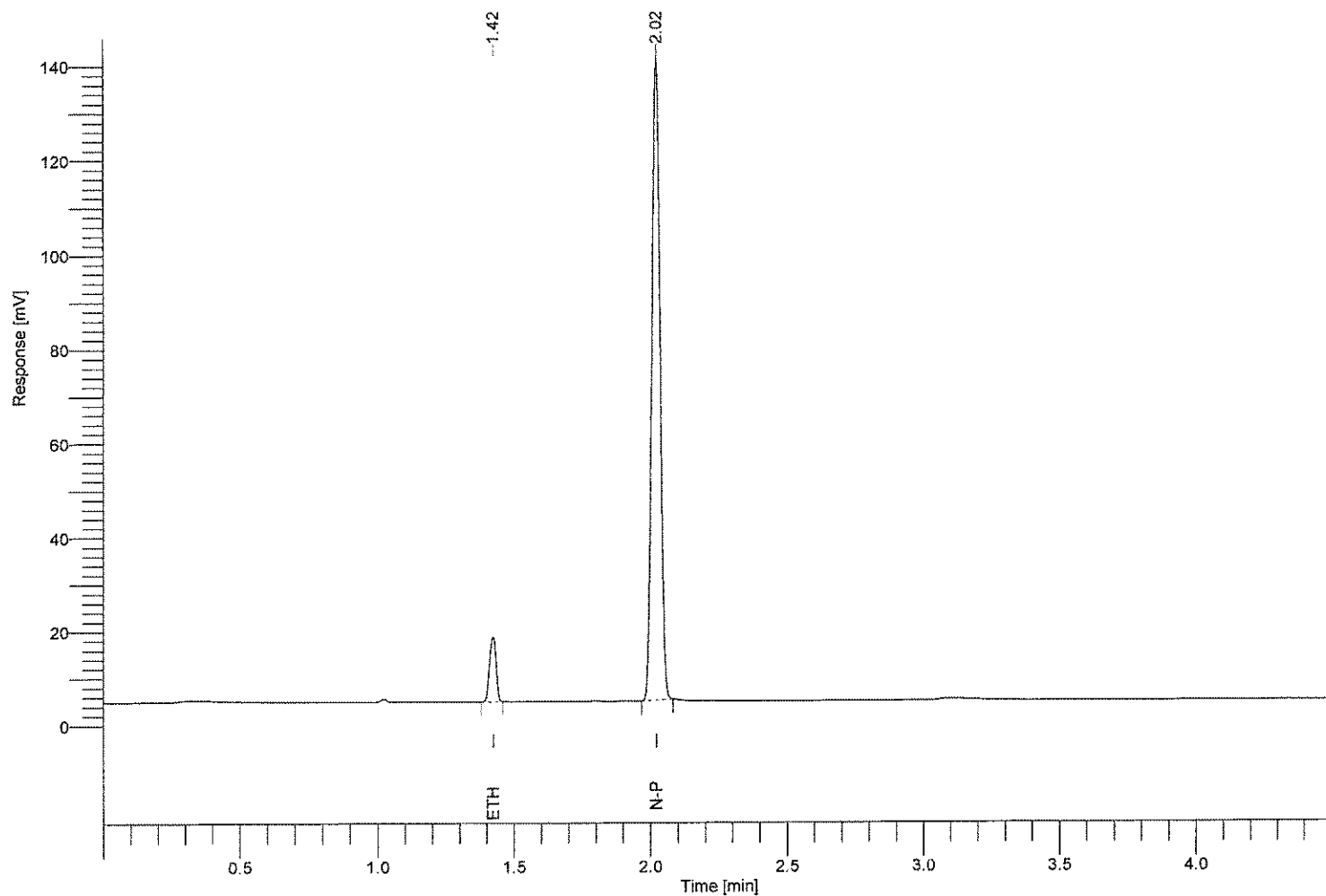


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.422	0.704	23274.04	0.061
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	2.021	1.000	279256.72	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 837
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 20

Date : 1/7/2015 3:48:50 PM
Data Acquisition Time : 1/7/2015 3:44:06 PM
Channel : A
Operator : manager *AK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data020.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

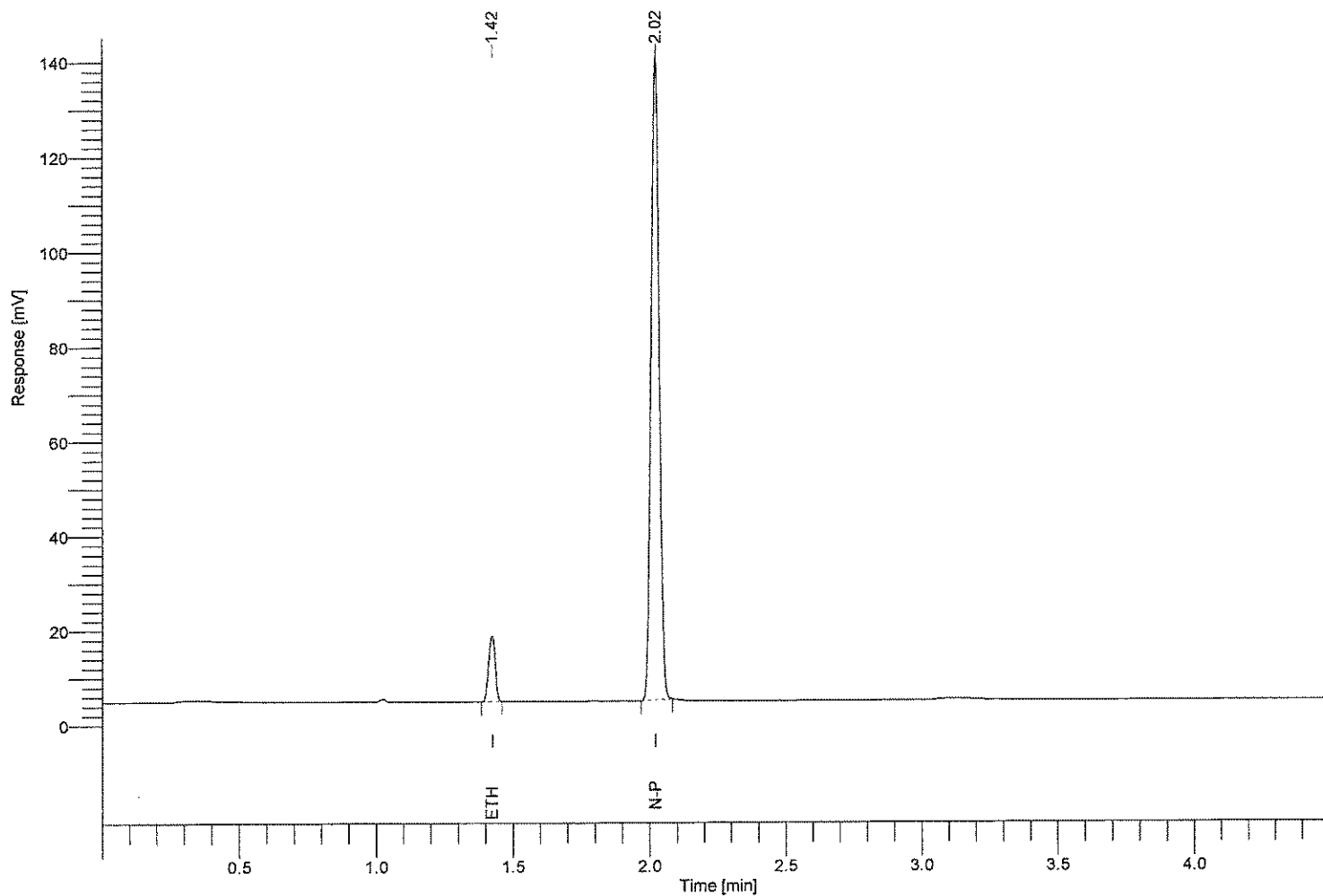


Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.423	0.704	23349.58	0.060
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	2.022	1.000	280566.00	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 838
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 21

Date : 1/7/2015 3:53:51 PM
Data Acquisition Time : 1/7/2015 3:49:06 PM
Channel : A
Operator : manager BK
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data021.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

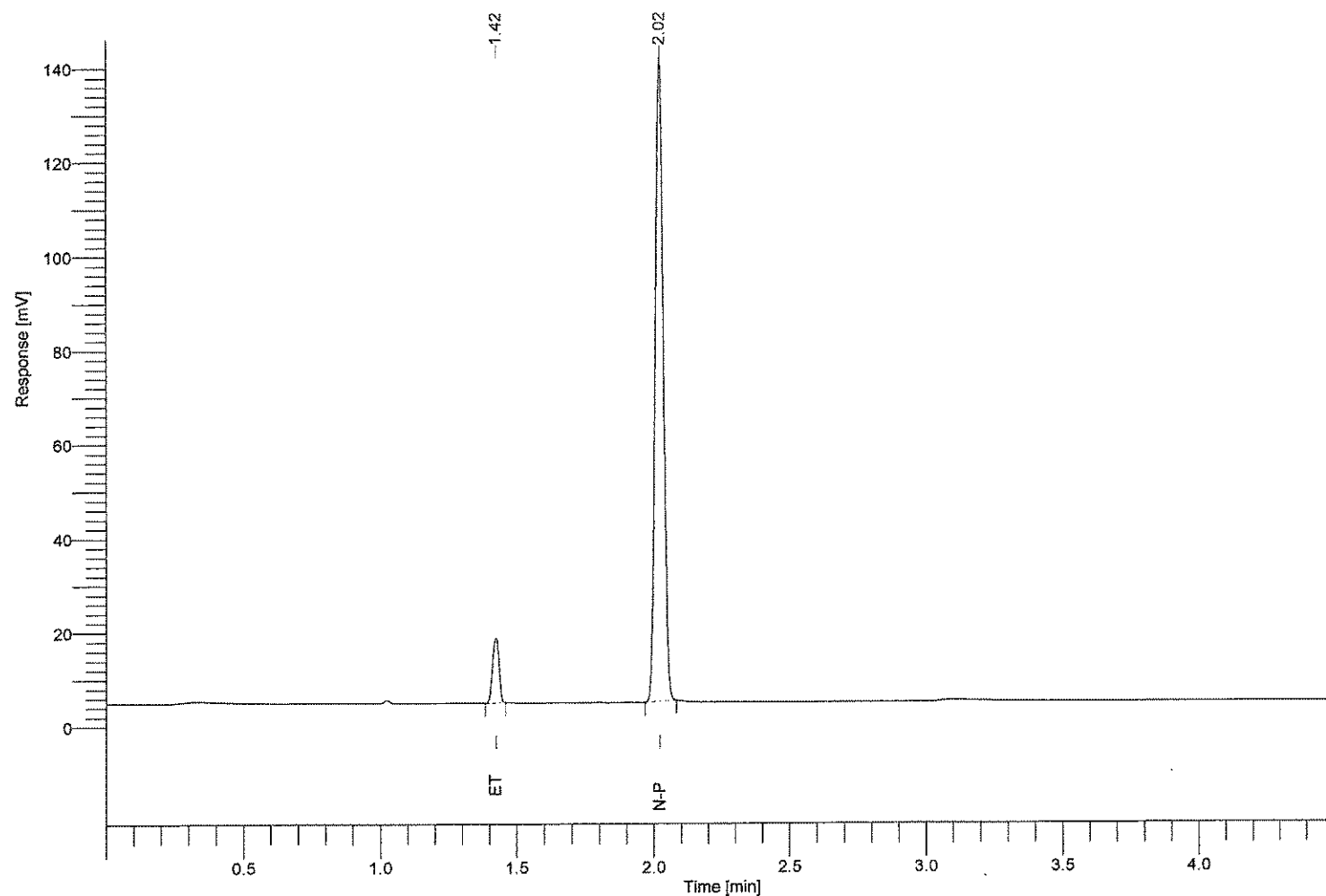


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	----	0.00	0.000
ethanol	1.423	0.704	23160.41	0.061
isopropanol	1.640	----	0.00	0.000
acetone	1.910	----	0.00	0.000
n-propanol	2.021	1.000	277904.51	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 839
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 22

Date : 1/7/2015 3:58:50 PM
Data Acquisition Time : 1/7/2015 3:54:06 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

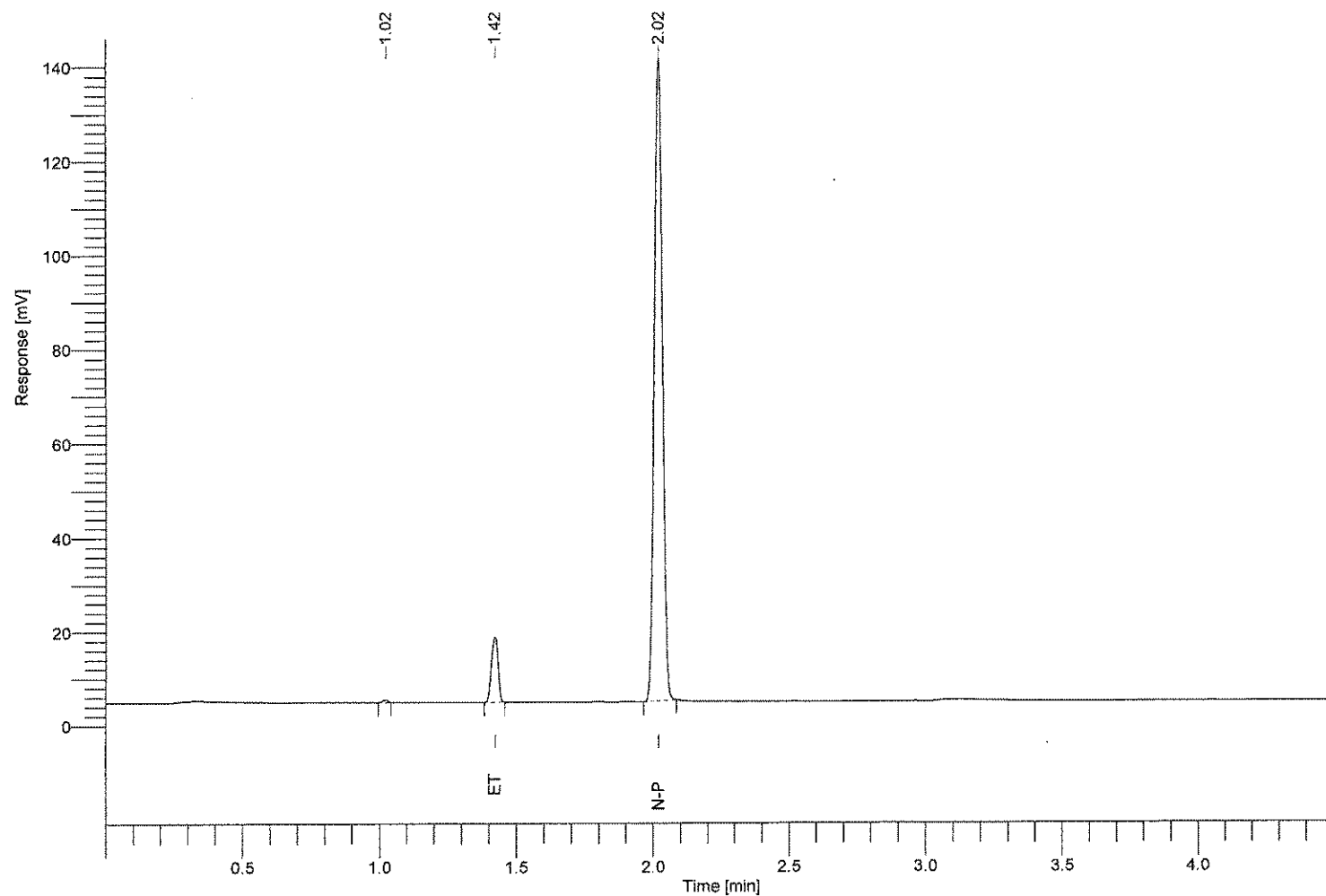
Result File : c:\totalchrom data\01072015\data022.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq



Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23243.00	0.060
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	280432.19	-----

Software Version : 6.3.2.0646 Date : 1/7/2015 4:03:51 PM
Reprocess Number : gc-pc: 840
Sample Name : 50
Instrument Name : ClarusGC Data Acquisition Time : 1/7/2015 3:59:06 PM
Rack/Vial : 0/0 Channel : A
Sample Amount : 1.000000 Operator : manager *SK*
Cycle : 23 Dilution Factor : 1.000000

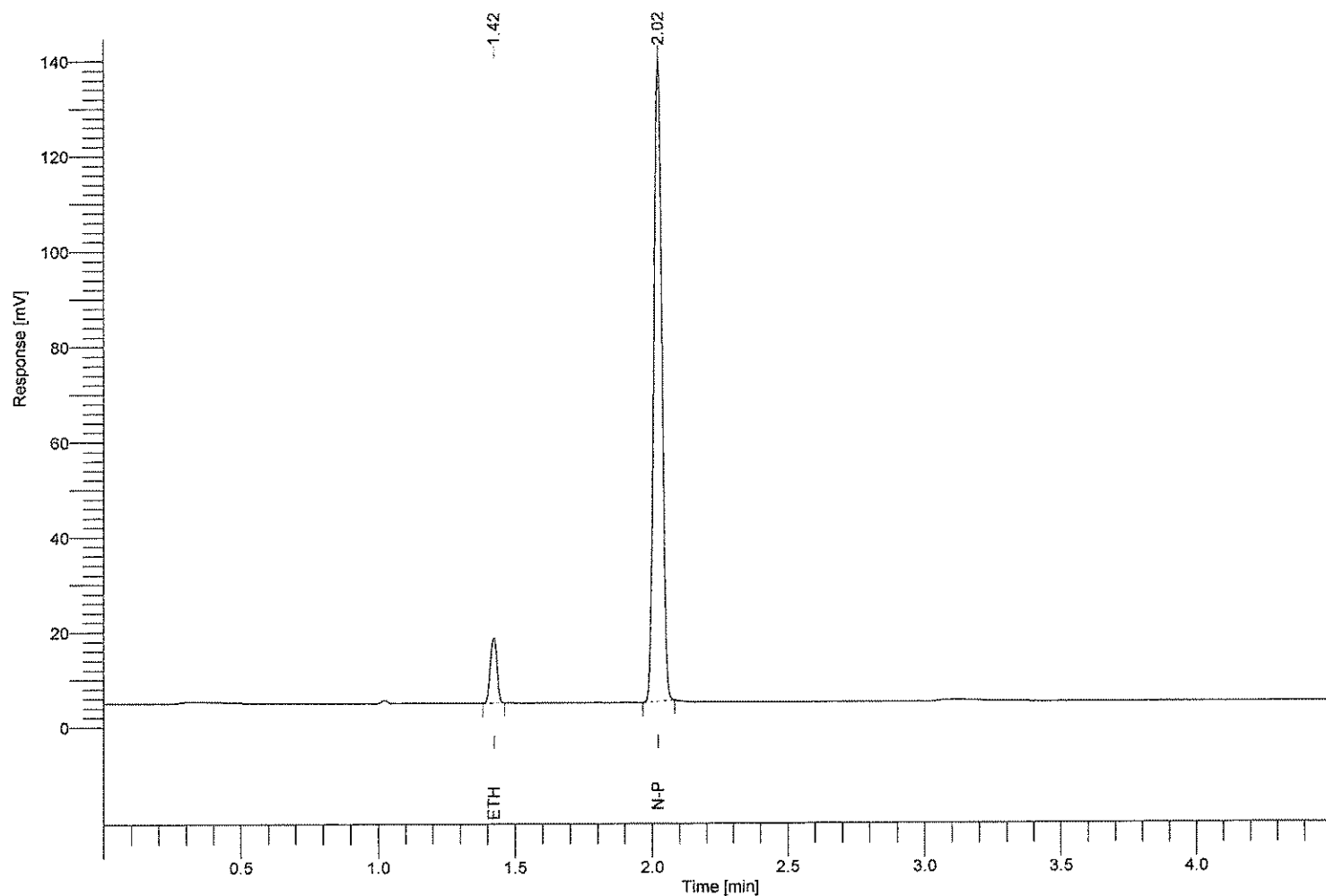
Result File : c:\totalchrom data\01072015a\data023.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq



Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.422	0.704	23574.66	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.020	1.000	281974.15	-----

Software Version : 6.3.2.0646 Date : 1/7/2015 4:08:51 PM
Reprocess Number : gc-pc: 841
Sample Name : 50
Instrument Name : ClarusGC Data Acquisition Time : 1/7/2015 4:04:06 PM
Rack/Vial : 0/0 Channel : A
Sample Amount : 1.000000 Operator : manager *AK*
Cycle : 24 Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data024.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

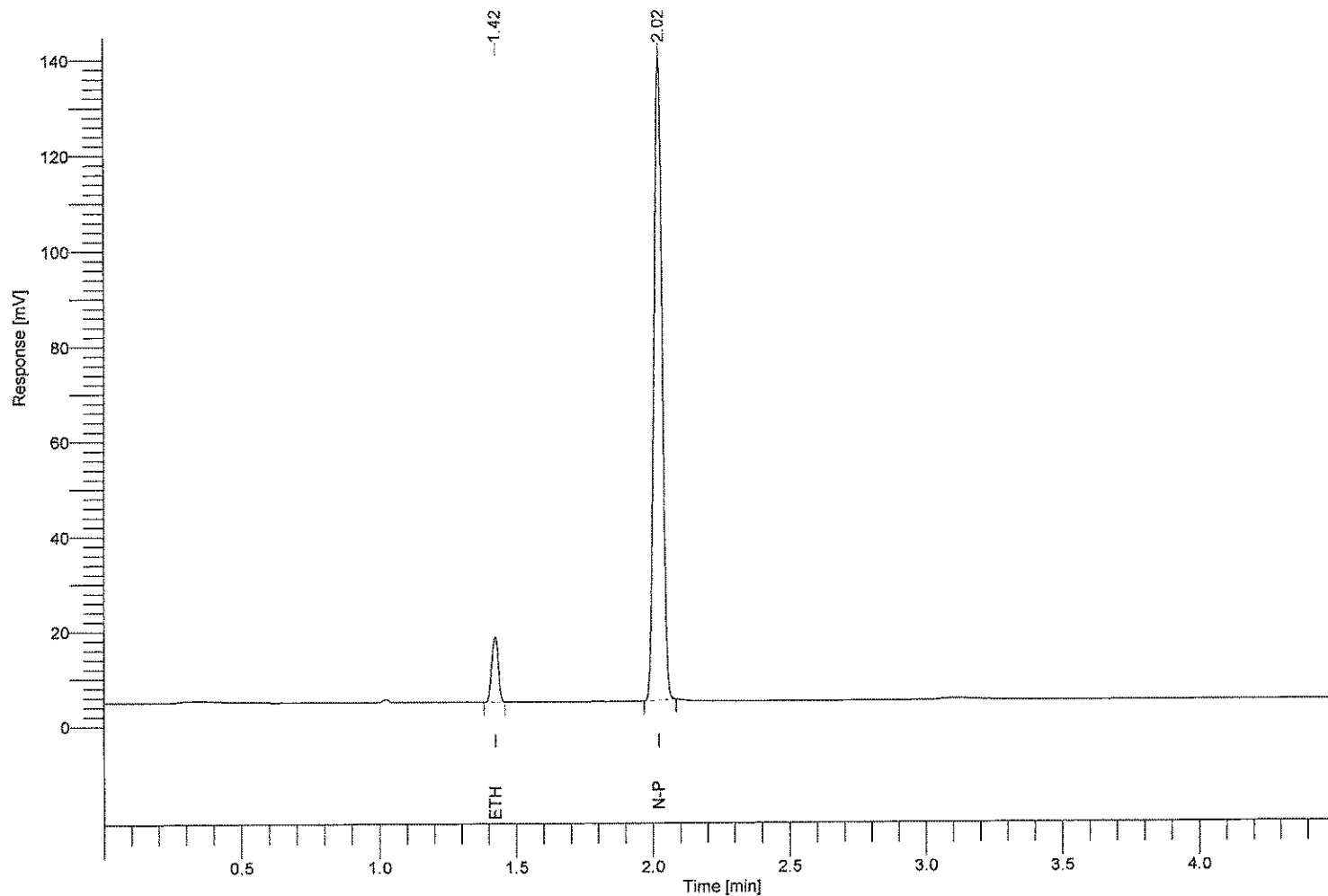


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23314.01	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	278203.29	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 842
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 25

Date : 1/7/2015 4:13:51 PM
Data Acquisition Time : 1/7/2015 4:09:06 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data025.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

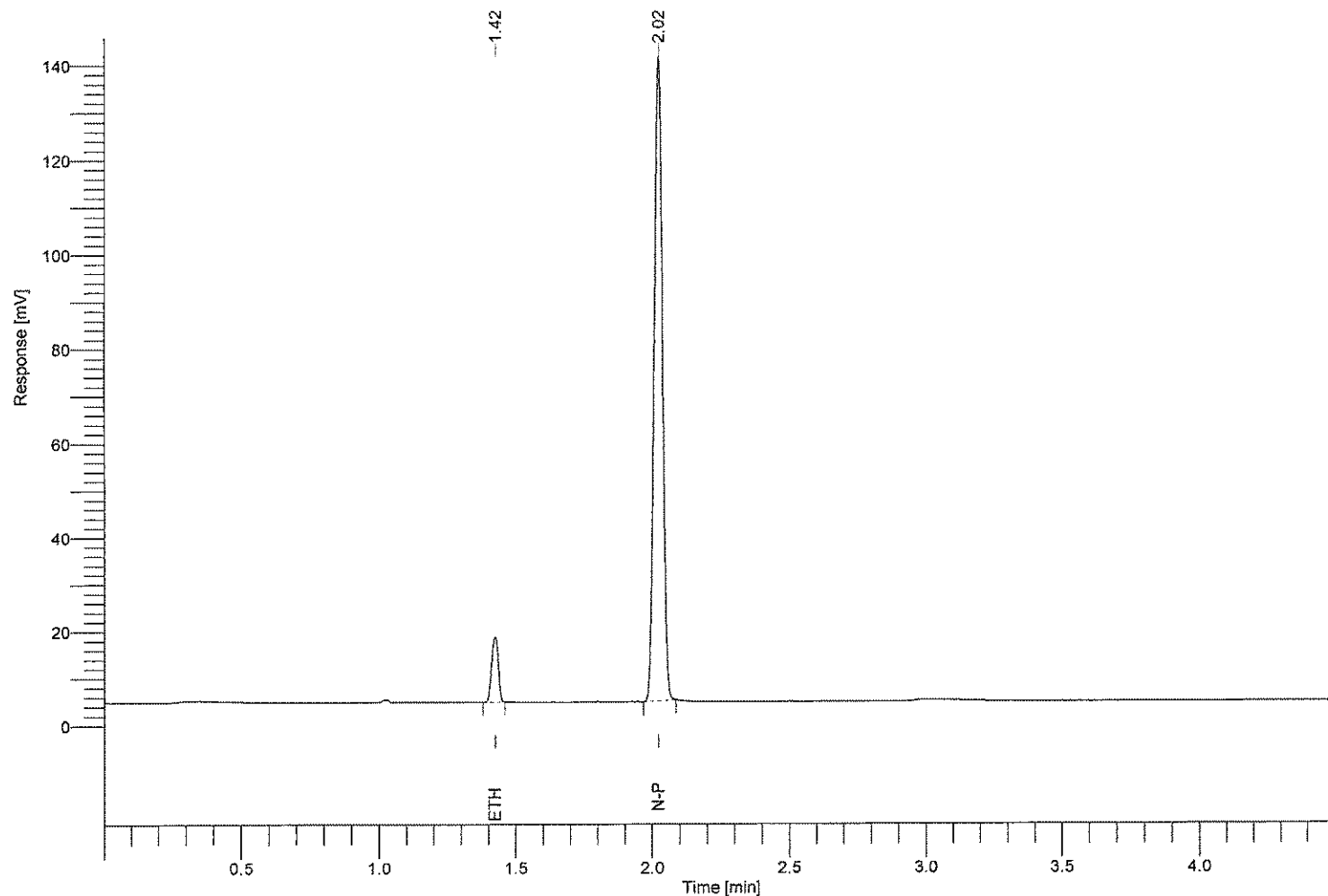


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23147.61	0.060
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	278160.10	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 843
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 26

Date : 1/7/2015 4:18:51 PM
Data Acquisition Time : 1/7/2015 4:14:06 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data026.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

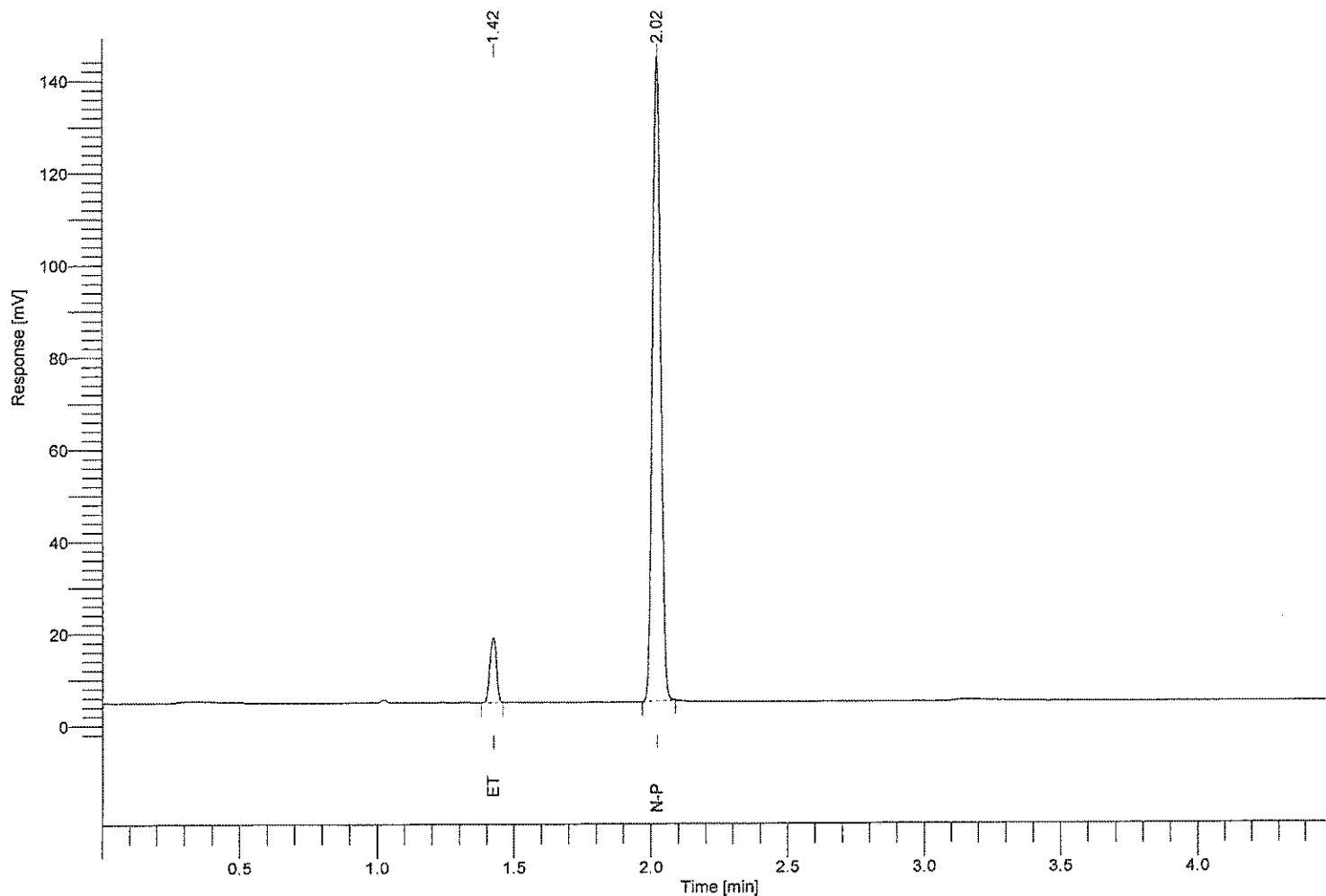


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23484.48	0.061
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	280655.32	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 844
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 27

Date : 1/7/2015 4:23:44 PM
Data Acquisition Time : 1/7/2015 4:19:00 PM
Channel : A
Operator : manager BK
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data027.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

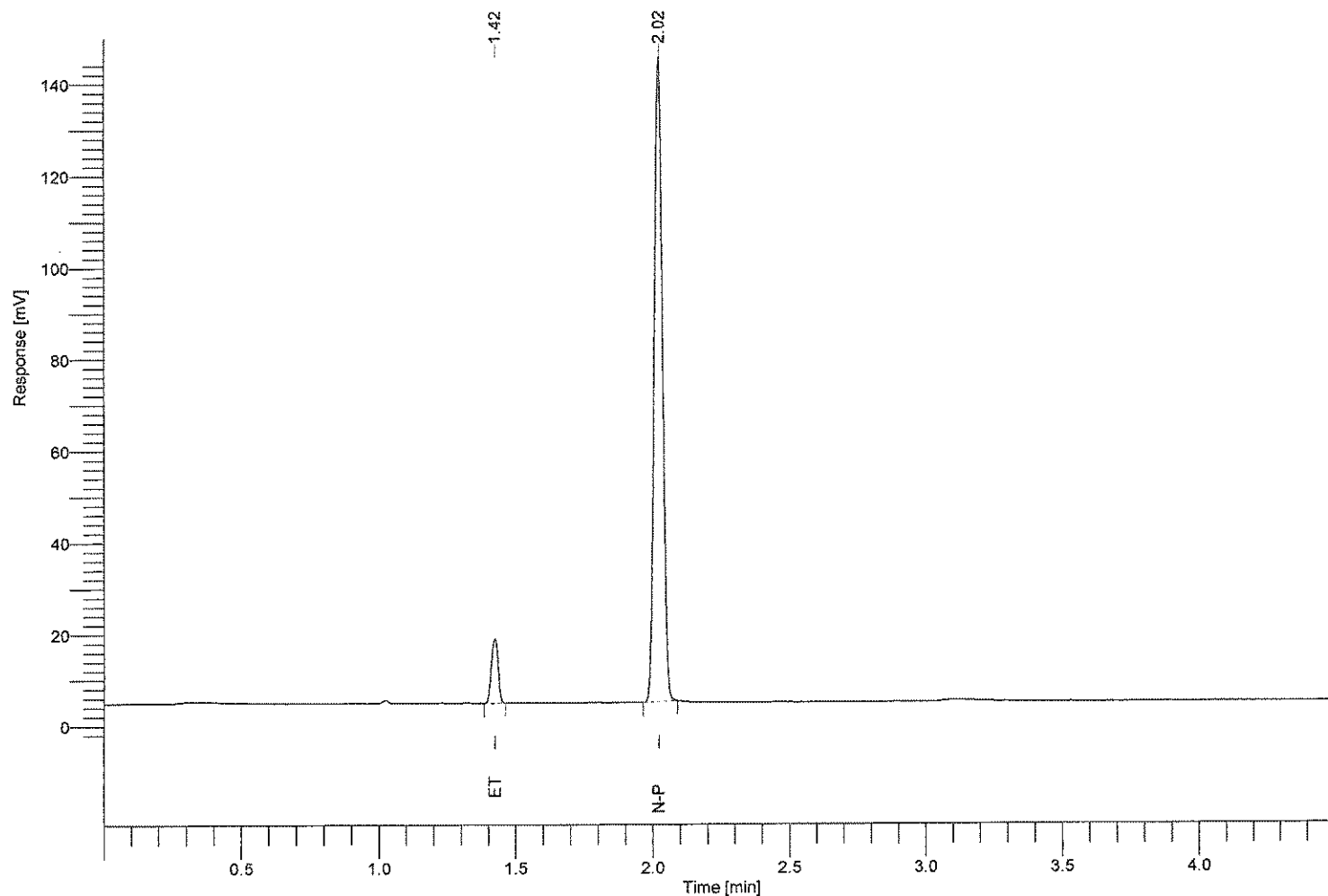


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	23863.74	0.060
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	289185.54	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 845
Sample Name : 50
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 28

Date : 1/7/2015 4:28:48 PM
Data Acquisition Time : 1/7/2015 4:24:03 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015\data028.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq

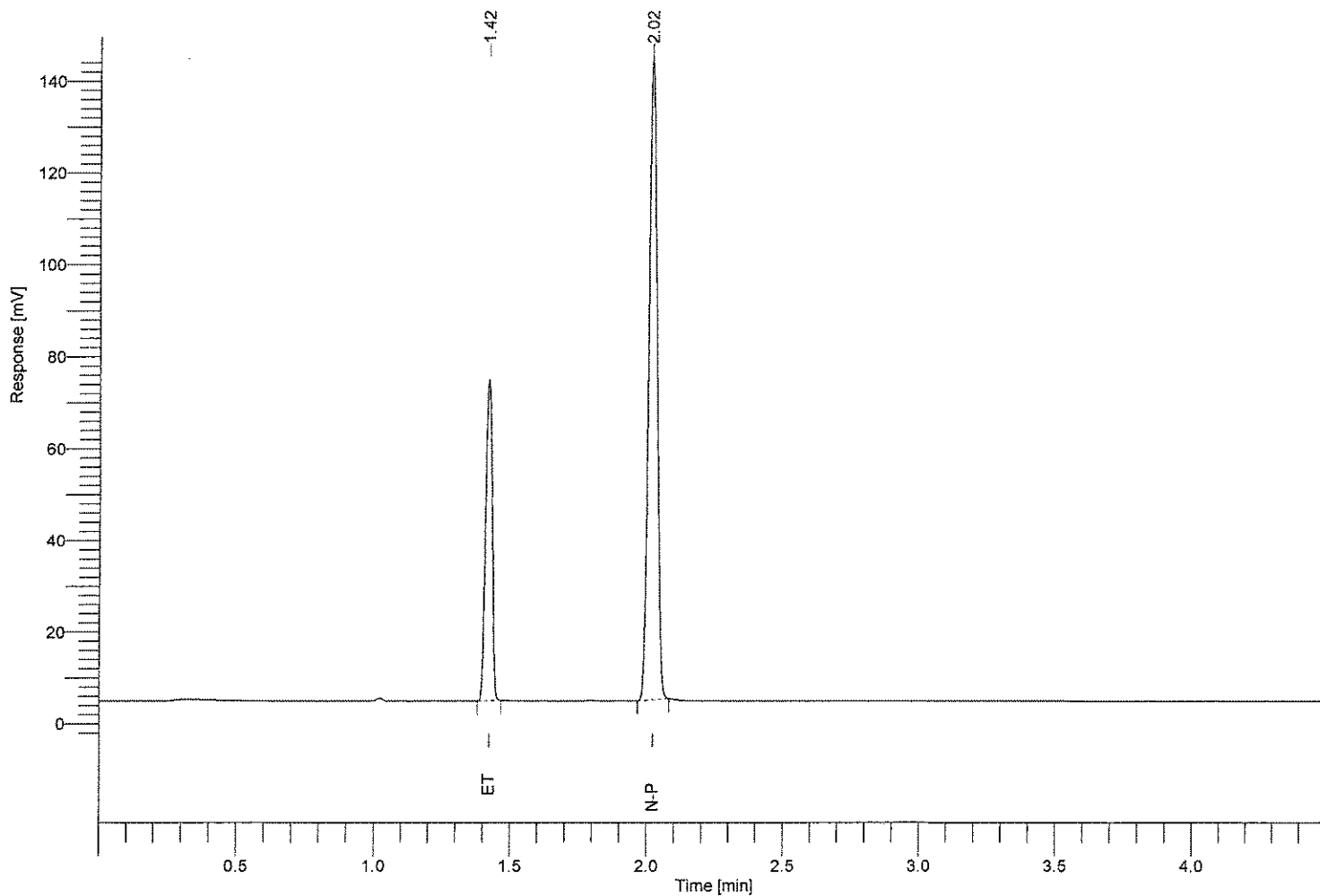


Component Name	Time [min]	RRt	Area [uV*sec]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	24167.12	0.060
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.022	1.000	292135.86	-----

Software Version : 6.3.2.0646
Reprocess Number : gc-pc: 846
Sample Name : CER 300
Instrument Name : ClarusGC
Rack/Vial : 0/0
Sample Amount : 1.000000
Cycle : 29

Date : 1/7/2015 4:33:48 PM
Data Acquisition Time : 1/7/2015 4:29:03 PM
Channel : A
Operator : manager *BK*
Dilution Factor : 1.000000

Result File : c:\totalchrom data\01072015a\data029.rst
Sequence File : C:\Totalchrom Sequences\2013\01072015abhk.seq



Component Name	Time [min]	RRt	Area [$\mu\text{V}\cdot\text{sec}$]	Conc. g/100ml
methanol	1.220	-----	0.00	0.000
ethanol	1.423	0.704	119864.49	0.299
isopropanol	1.640	-----	0.00	0.000
acetone	1.910	-----	0.00	0.000
n-propanol	2.021	1.000	290086.61	-----