Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

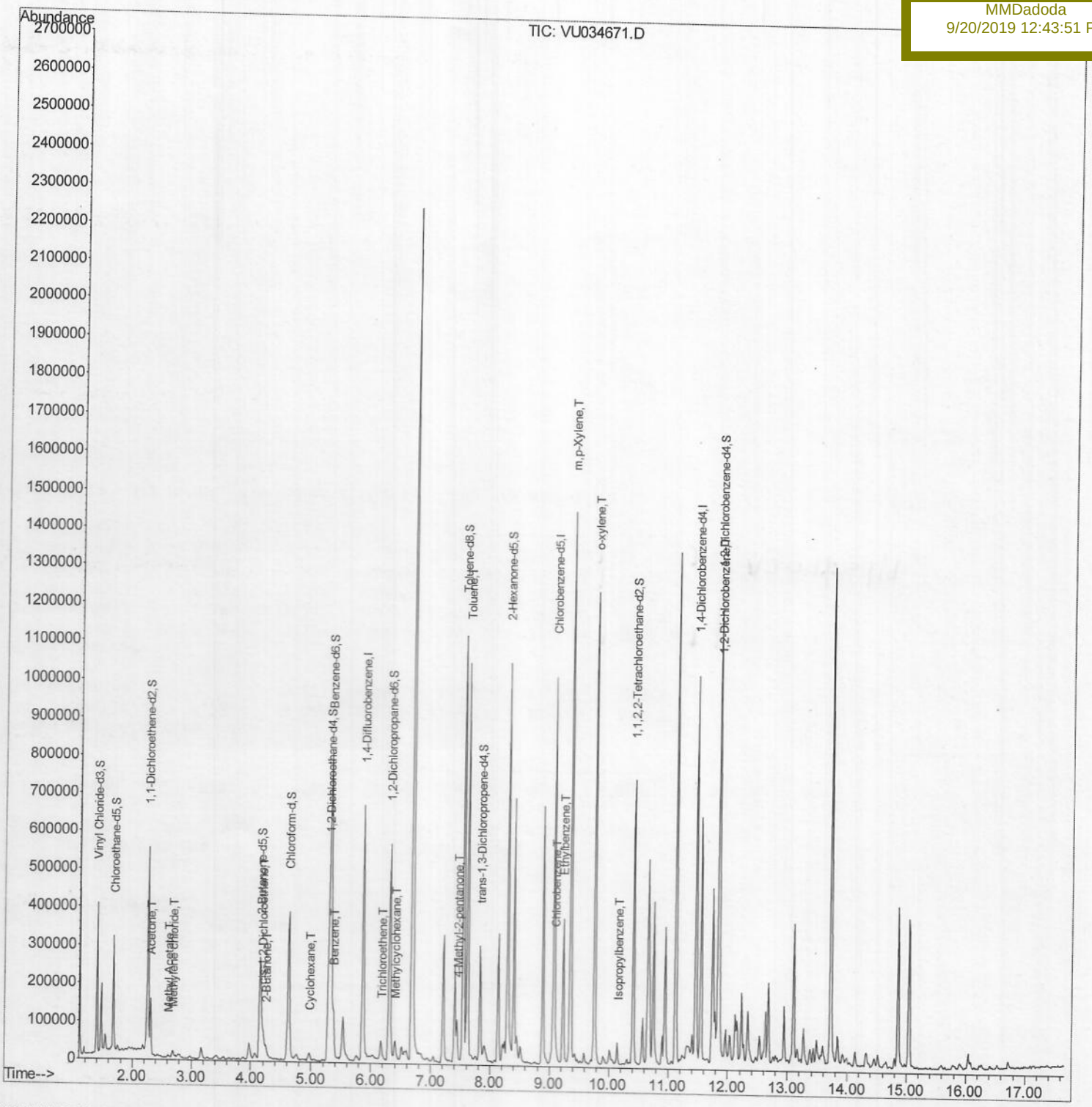
Quantitation Report (QT Reviewed)

Data File : VU034671.D
Acq On : 20 Sep 2019 00:56
Operator : JC/SP
Sample : K4895-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 20 07:02:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:43:51 PM



SOMULM091919WMA.M Fri Sep 20 07:00:44 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

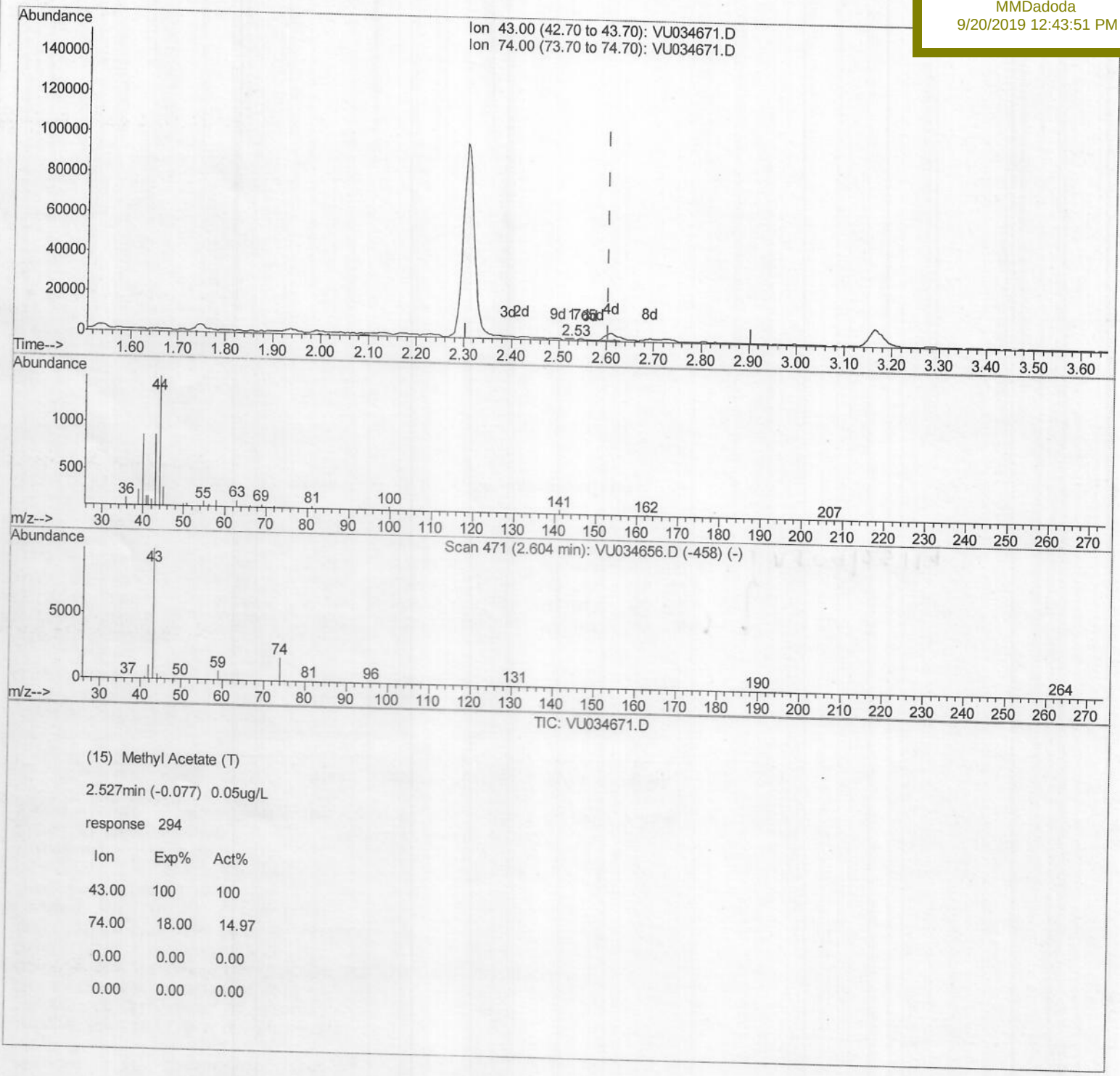
Quantitation Report (Qedit)

Data File : VU034671.D
Acq On : 20 Sep 2019 00:56
Operator : JC/SP
Sample : K4895-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 20 04:10:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:43:51 PM



(15) Methyl Acetate (T)

2.527min (-0.077) 0.05ug/L

response 294

Ion	Exp%	Act%
43.00	100	100
74.00	18.00	14.97
0.00	0.00	0.00
0.00	0.00	0.00

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ClientSampleId :
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Manual Integrations APPROVED
MMDadoda
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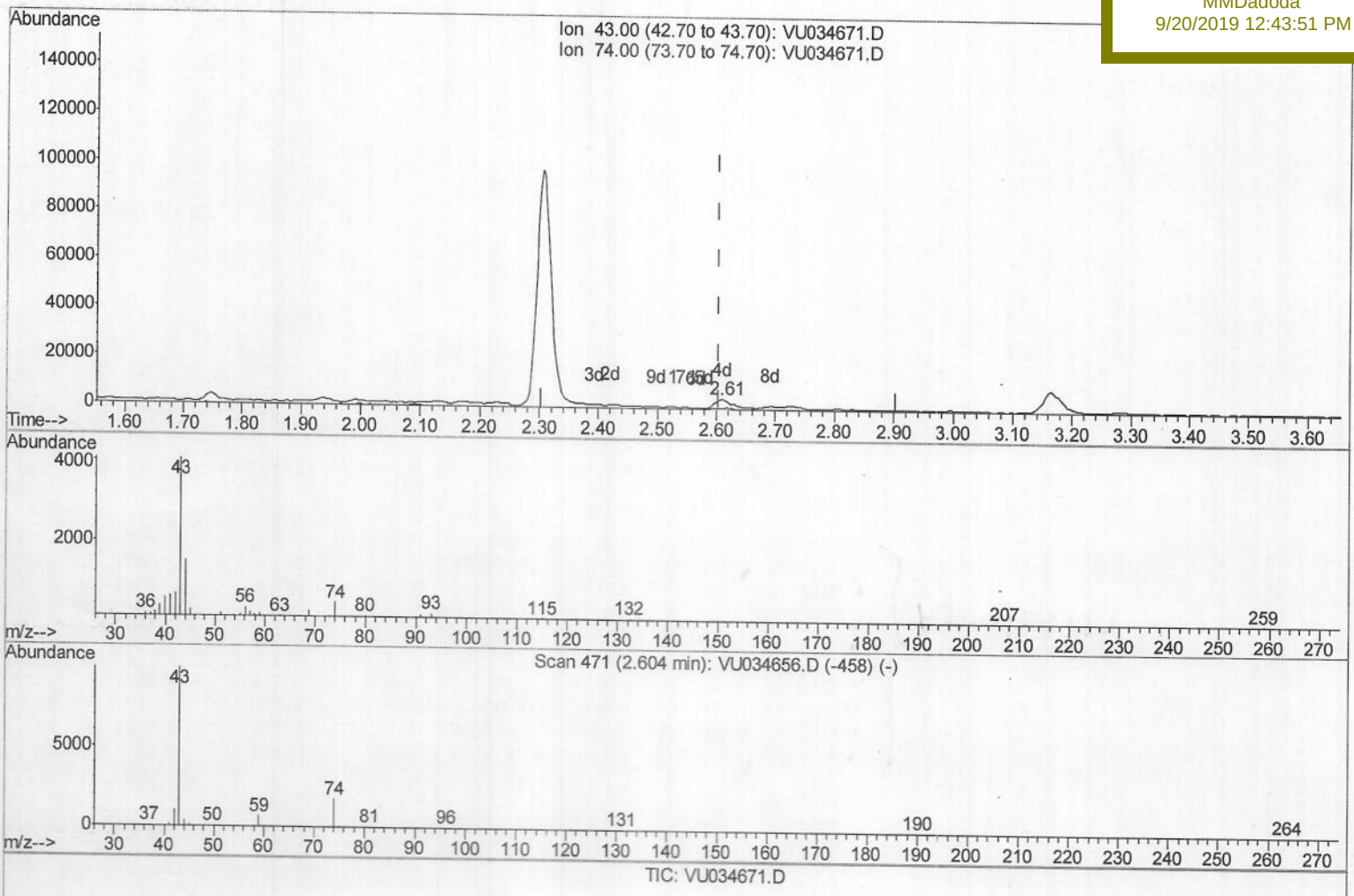

TIC: VU034671.D

(15) Methyl Acetate (T)

2.611min (+0.006) 1.01ug/L m

response 6326

M.A 09/20/19

Ion	Exp%	Act%
43.00	100	100
74.00	18.00	0.70#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Qedit)

Data File : VU034671.D
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Misc : 5.0mL/MSVOA_U/WATER
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Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
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Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
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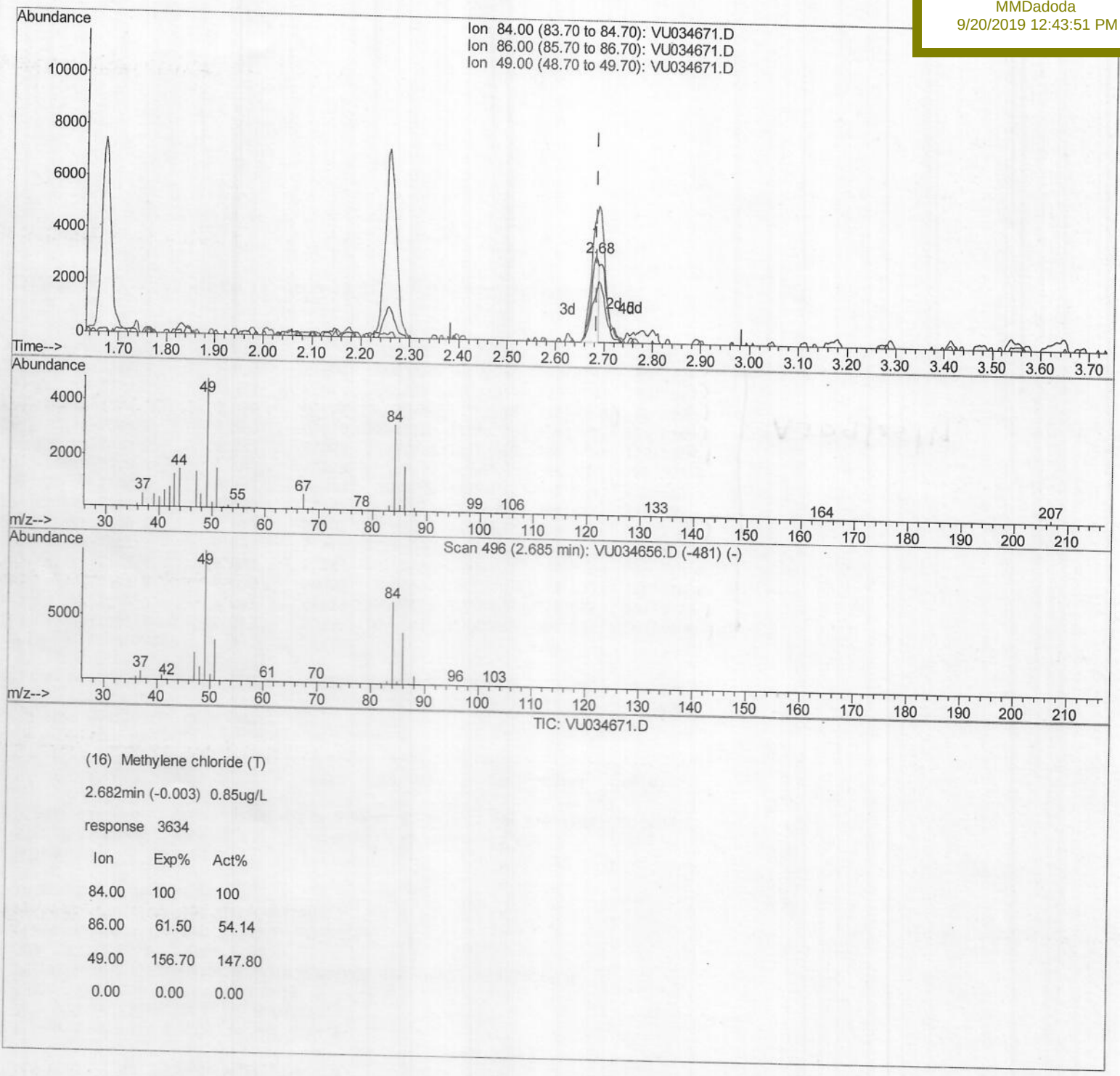

(16) Methylene chloride (T)

2.682min (-0.003) 0.85ug/L

response 3634

Ion	Exp%	Act%
84.00	100	100
86.00	61.50	54.14
49.00	156.70	147.80
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Qedit)

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ALS Vial : 26 Sample Multiplier: 1

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Quant Title : VOC Analysis
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Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations APPROVED
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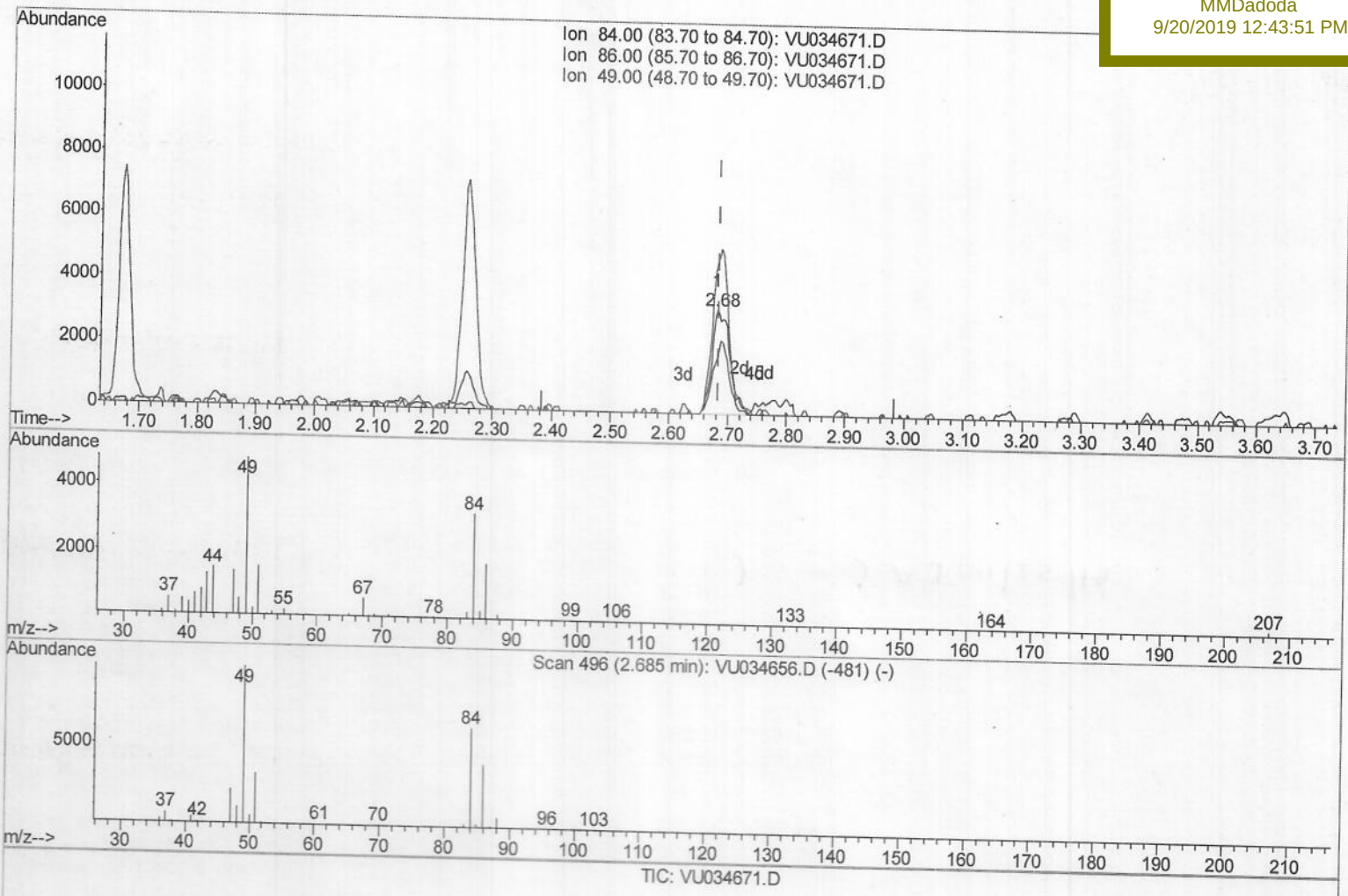

TIC: VU034671.D

(16) Methylene chloride (T)

2.682min (-0.003) 1.61ug/L m

response 6883

M. D
09/20/19

Ion	Exp%	Act%
84.00	100	100
86.00	61.50	54.14
49.00	156.70	147.80
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Qedit)

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ALS Vial : 26 Sample Multiplier: 1

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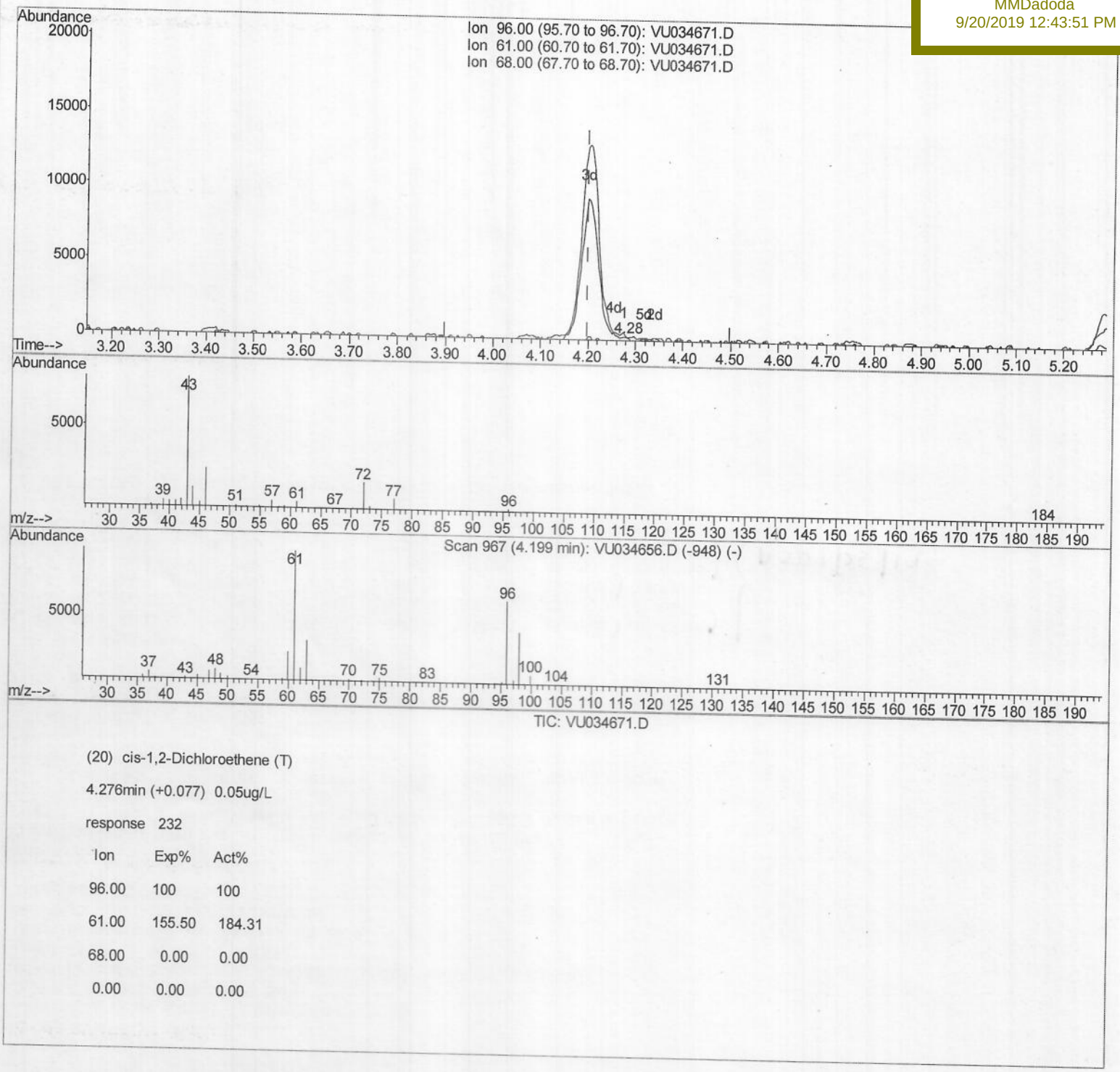
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:43:51 PM



(20) cis-1,2-Dichloroethene (T)

4.276min (+0.077) 0.05ug/L

response 232

Ion	Exp%	Act%
96.00	100	100
61.00	155.50	184.31
68.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Qedit)

Data File : VU034671.D
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 20 04:10:01 2019
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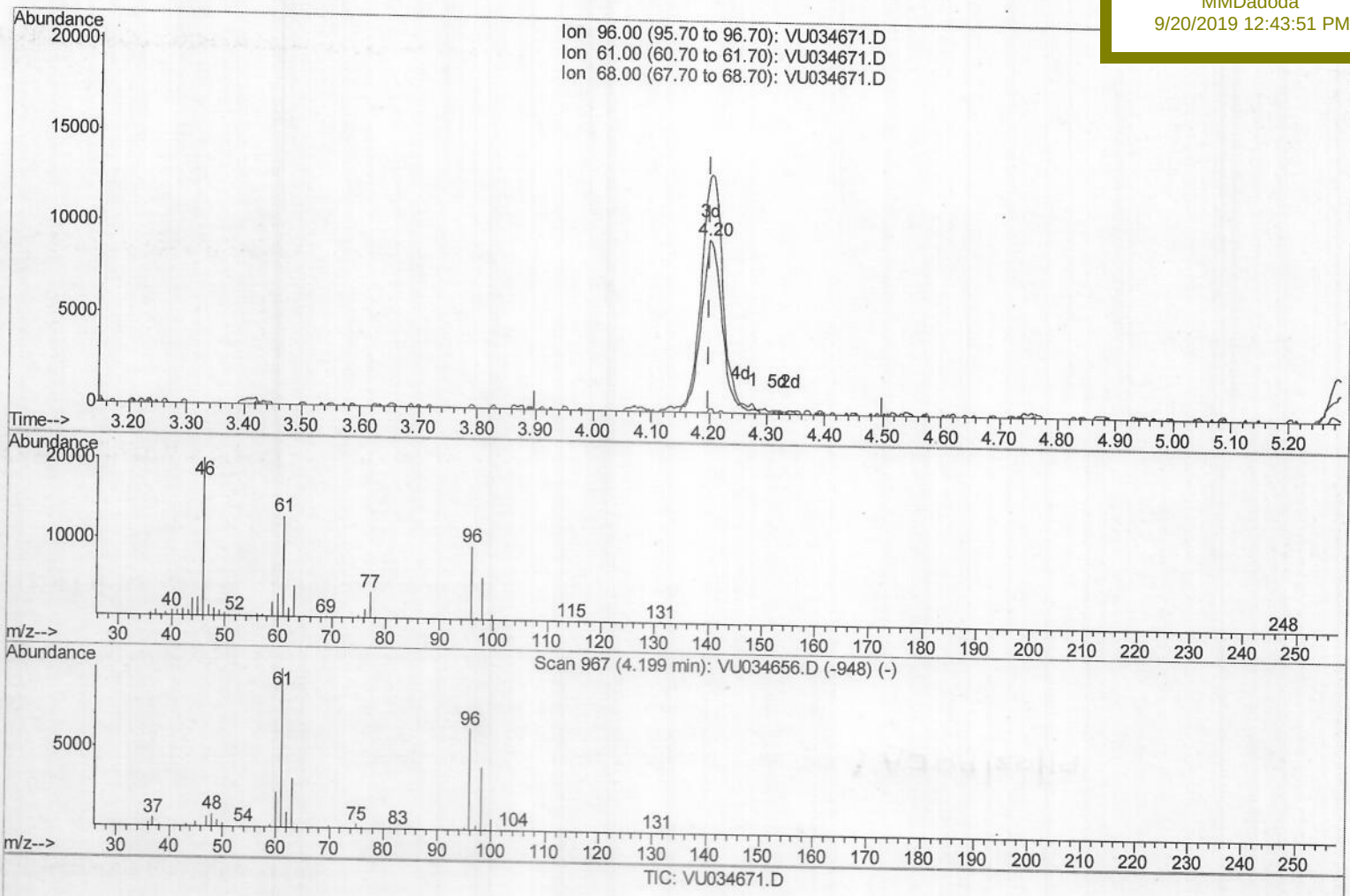
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:43:51 PM



TIC: VU034671.D

(20) cis-1,2-Dichloroethene (T)

4.199min (+0.000) 5.57ug/L m > M·A 09/20/19

response 23961

Ion	Exp%	Act%
96.00	100	100
61.00	155.50	136.29
68.00	0.00	1.75#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Qedit)

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
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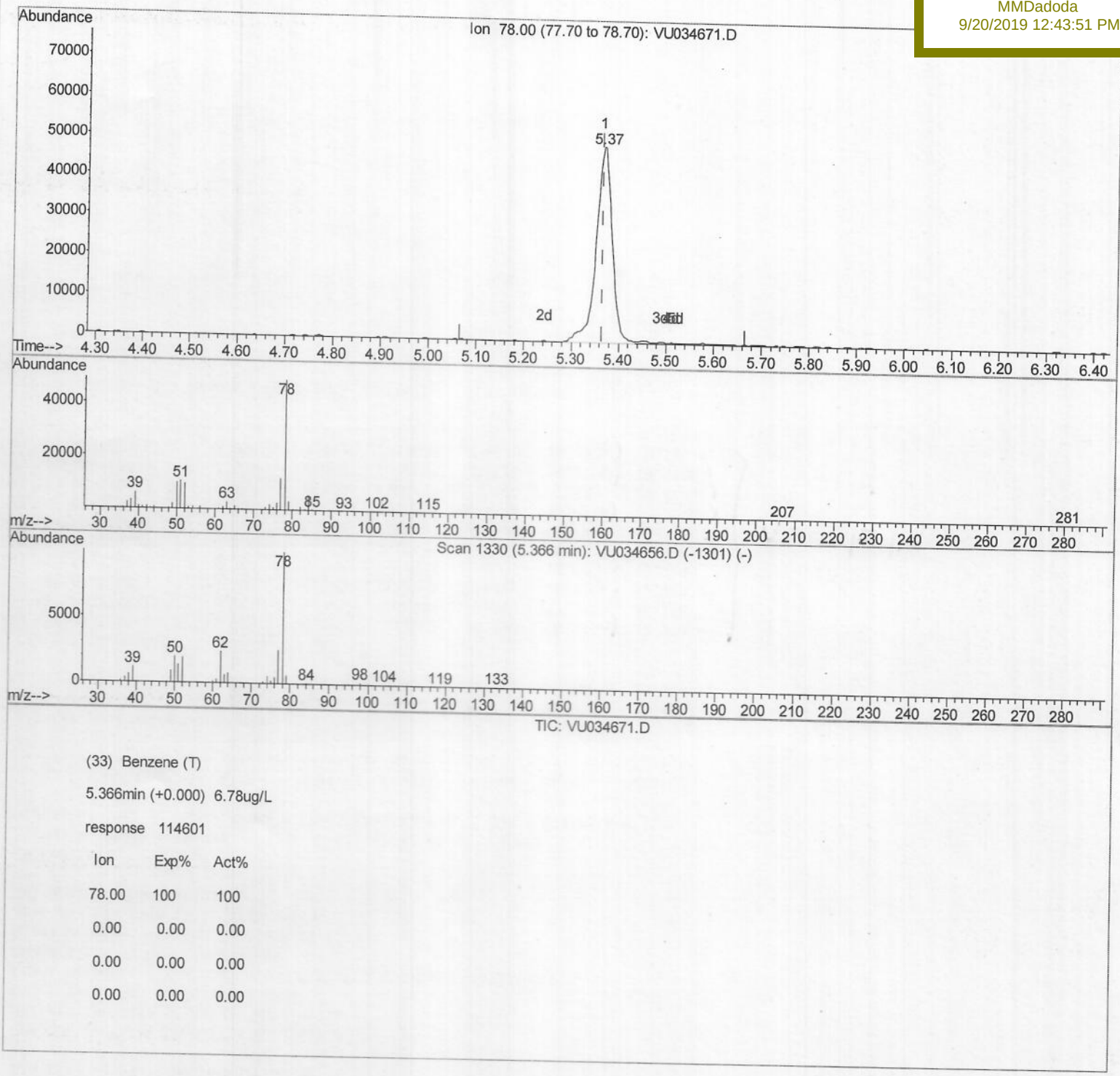
Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:43:51 PM



TIC: VU034671.D

(33) Benzene (T)

5.366min (+0.000) 6.78ug/L

response 114601

Ion	Exp%	Act%
78.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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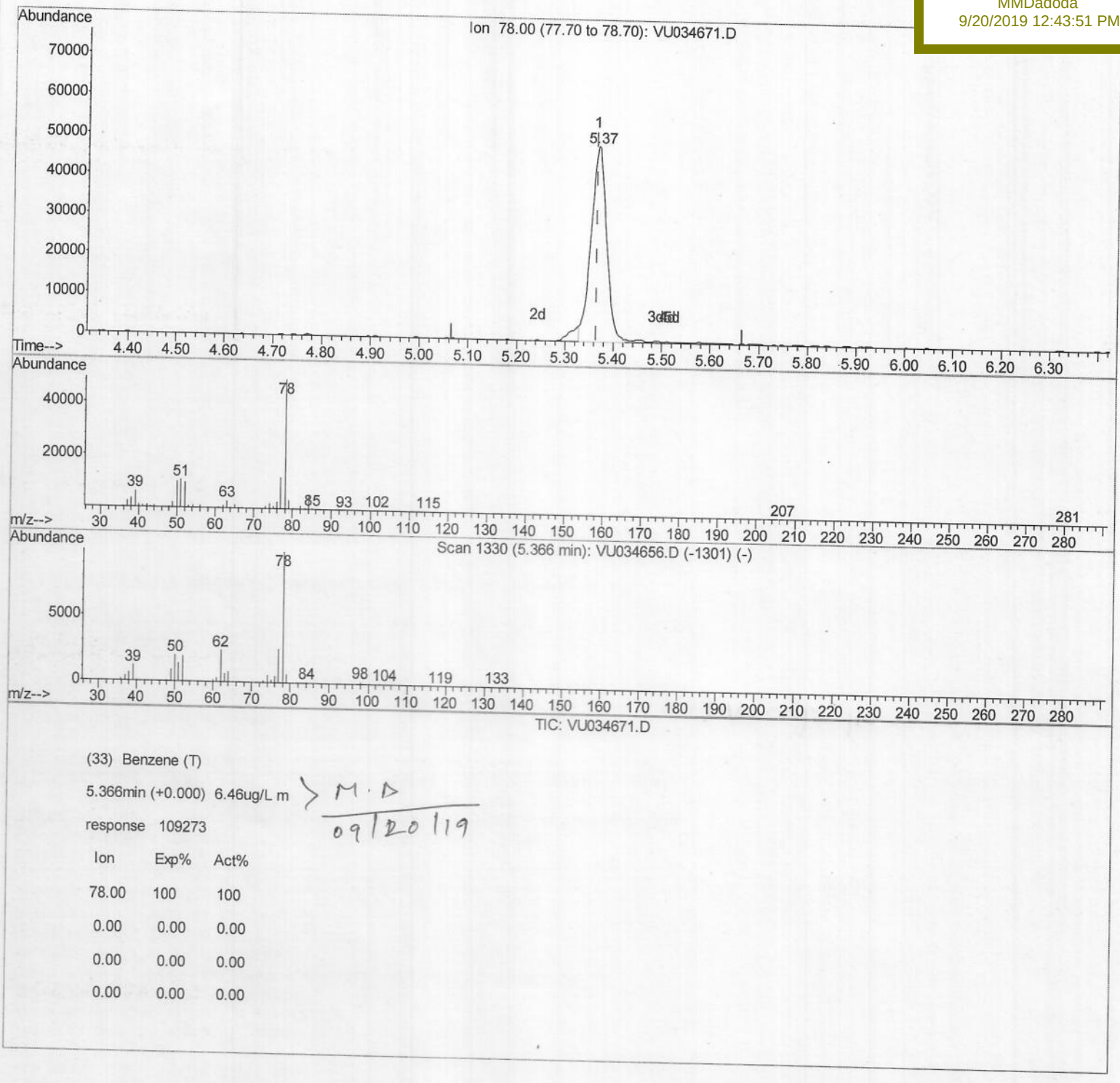
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:43:51 PM



TIC: VU034671.D

(33) Benzene (T)

5.366min (+0.000) 6.46ug/L m

response 109273

M·D 09/20/19

Ion	Exp%	Act%
78.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Qedit)

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Instrument :
MSVOA_U
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Manual Integrations APPROVED
MMDadoda
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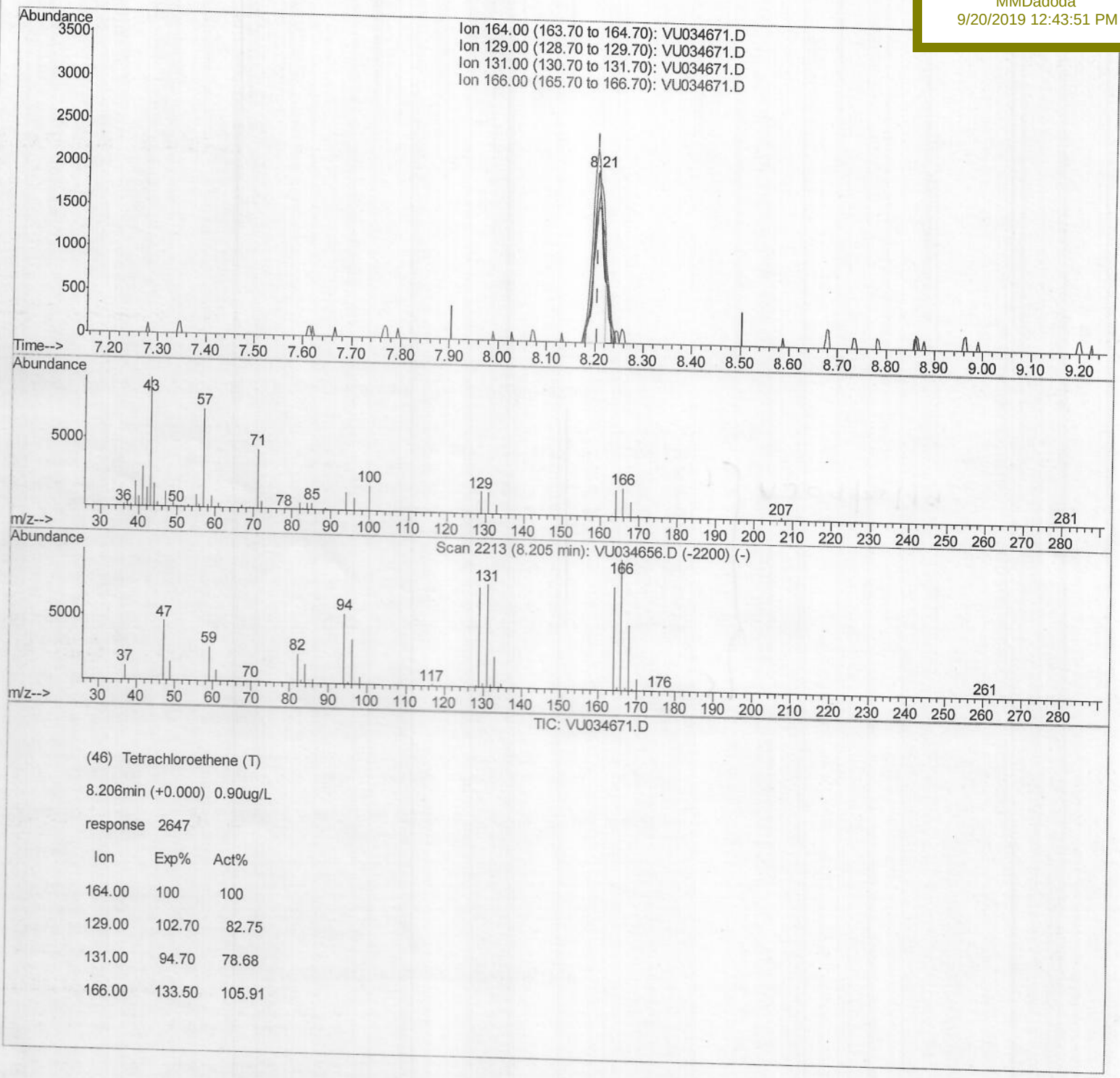

TIC: VU034671.D

(46) Tetrachloroethene (T)

8.206min (+0.000) 0.90ug/L

response 2647

Ion	Exp%	Act%
164.00	100	100
129.00	102.70	82.75
131.00	94.70	78.68
166.00	133.50	105.91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (Qedit)

Data File : VU034671.D
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Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations APPROVED
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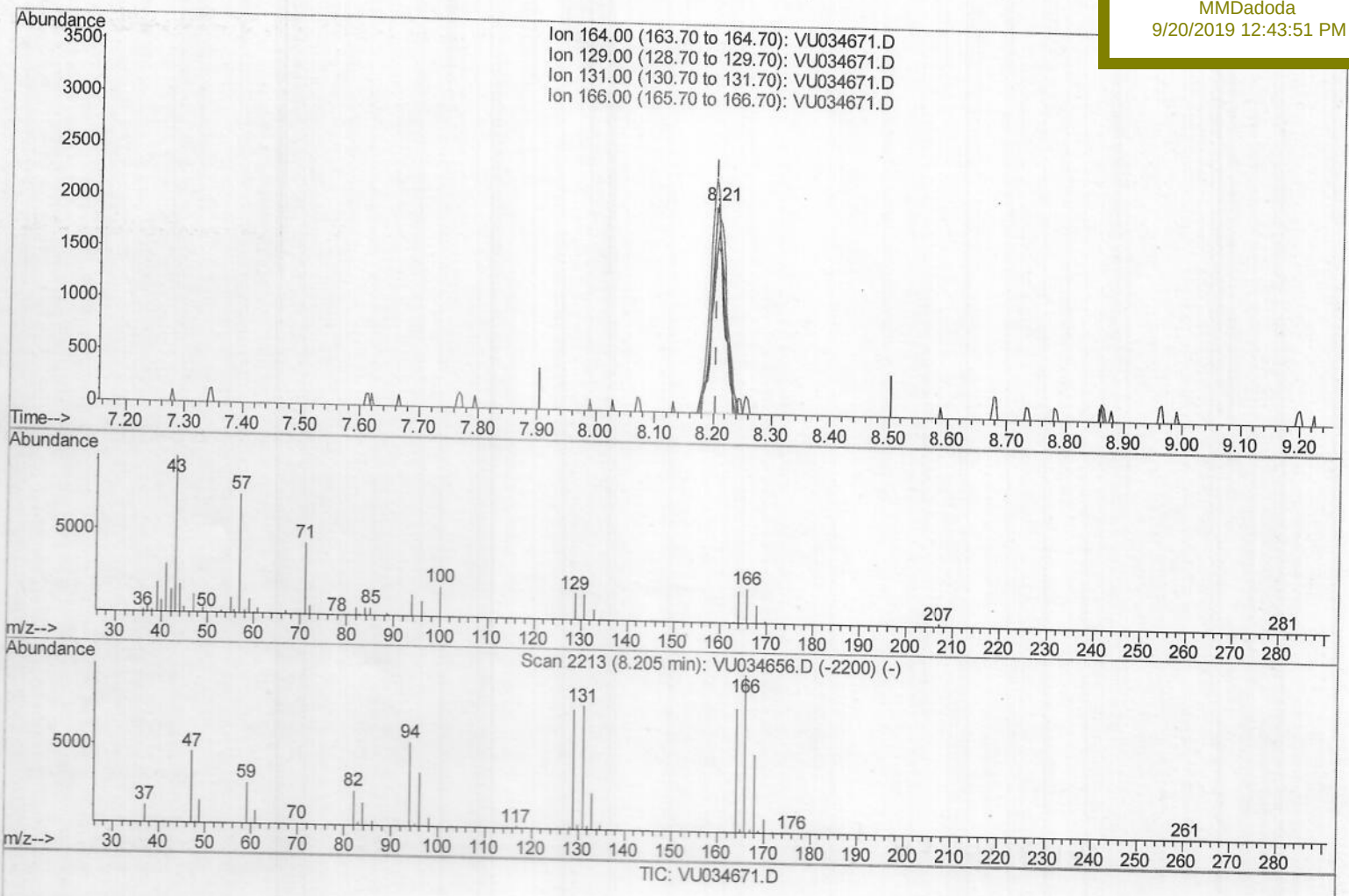

TIC: VU034671.D

(46) Tetrachloroethene (T)

8.206min (+0.000) 0.99ug/L m

response 2910

M.D 09/20/19

Ion	Exp%	Act%
164.00	100	100
129.00	102.70	82.75
131.00	94.70	78.68
166.00	133.50	105.91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\

Quantitation Report (QT Reviewed)

Data File : VU034671.D
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Operator : JC/SP
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Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	514437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	487651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	229773	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	232597	44.17	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.34%			
7) Chloroethane-d5	1.67	69	190268	46.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 93.50%			
11) 1,1-Dichloroethene-d2	2.26	63	317441	35.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.18%			
21) 2-Butanone-d5	4.15	46	473104	117.21	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 117.21%			
24) Chloroform-d	4.62	84	364927	47.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.32%			
26) 1,2-Dichloroethane-d4	5.29	65	273327	48.56	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.12%			
32) Benzene-d6	5.32	84	740556	49.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.00%			
36) 1,2-Dichloropropane-d6	6.31	67	259989	49.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.42%			
41) Toluene-d8	7.54	98	700694	48.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.46%			
43) trans-1,3-Dichloropropene-	7.83	79	120100	47.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.94%			
47) 2-Hexanone-d5	8.29	63	309468	116.63	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 116.63%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	352160	48.04	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.08%			
64) 1,2-Dichlorobenzene-d4	11.84	152	240013	49.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.62%			
Target Compounds						Qvalue
13) Acetone	2.31	43	161571	34.412	ug/L	97
15) Methyl Acetate	2.61	43	6326m	1.009	ug/L	
16) Methylene chloride	2.68	84	6883m	1.614	ug/L	
20) cis-1,2-Dichloroethene	4.20	96	23961m	5.569	ug/L	
22) 2-Butanone	4.25	43	45596	8.163	ug/L	97
29) Cyclohexane	4.97	56	9468	1.176	ug/L #	74
33) Benzene	5.37	78	109273m	6.461	ug/L	
34) Trichloroethene	6.17	95	16087	3.851	ug/L	93
35) Methylcyclohexane	6.39	83	8691	1.226	ug/L	94
40) 4-Methyl-2-pentanone	7.44	43	73274	7.621	ug/L	95
42) Toluene	7.61	91	711893	38.948	ug/L	100
51) Chlorobenzene	9.10	112	13968	1.257	ug/L	91
52) Ethylbenzene	9.23	91	253979	12.339	ug/L	100
53) m,p-Xylene	9.35	106	377075	51.723	ug/L	97
54) o-xylene	9.76	106	283237	39.280	ug/L	99
56) Isopropylbenzene	10.14	105	32469	1.670	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	48440	6.025	ug/L	97

M.D
09/20/19

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Manual Integrations APPROVED
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