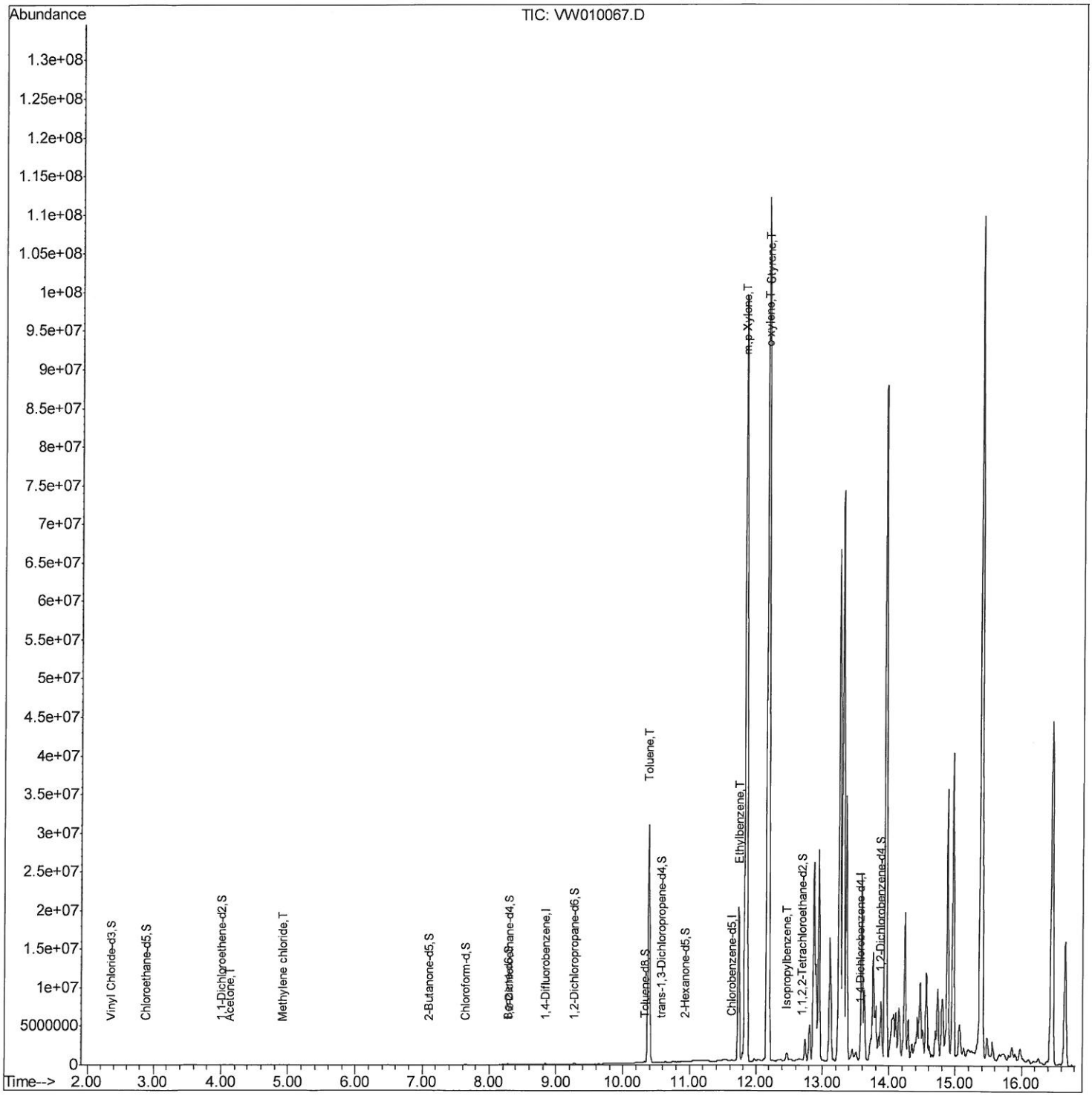
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010067.D
Acq On : 19 Apr 2019 15:18
Operator : SY/VA
Sample : K2455-17
Misc : 5.08G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 20 04:42:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
GAHR7

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:03 AM



Quantitation Report (Qedit)

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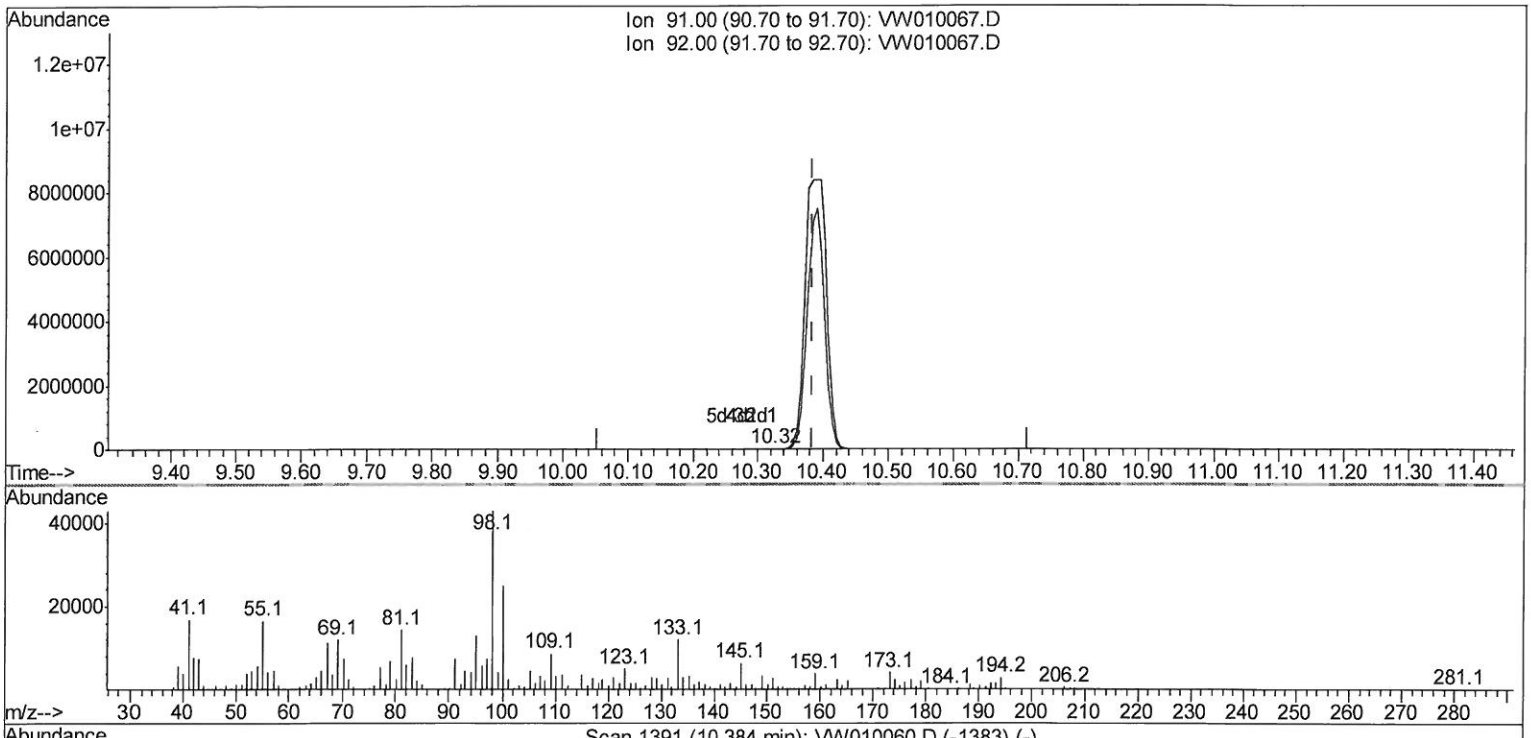

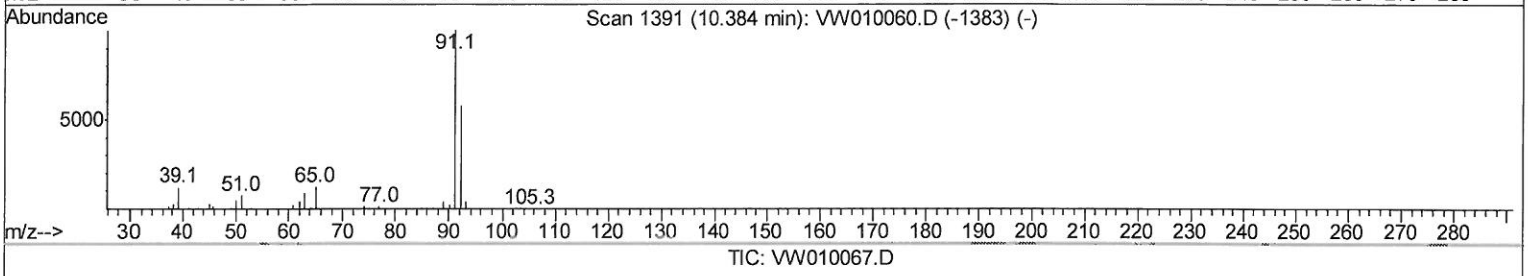

TIC: VW010067.D

(44) Toluene (T)

10.323min (-0.061) 0.30ug/L

response 893

Ion	Exp%	Act%
91.00	100	100
92.00	56.90	15.87#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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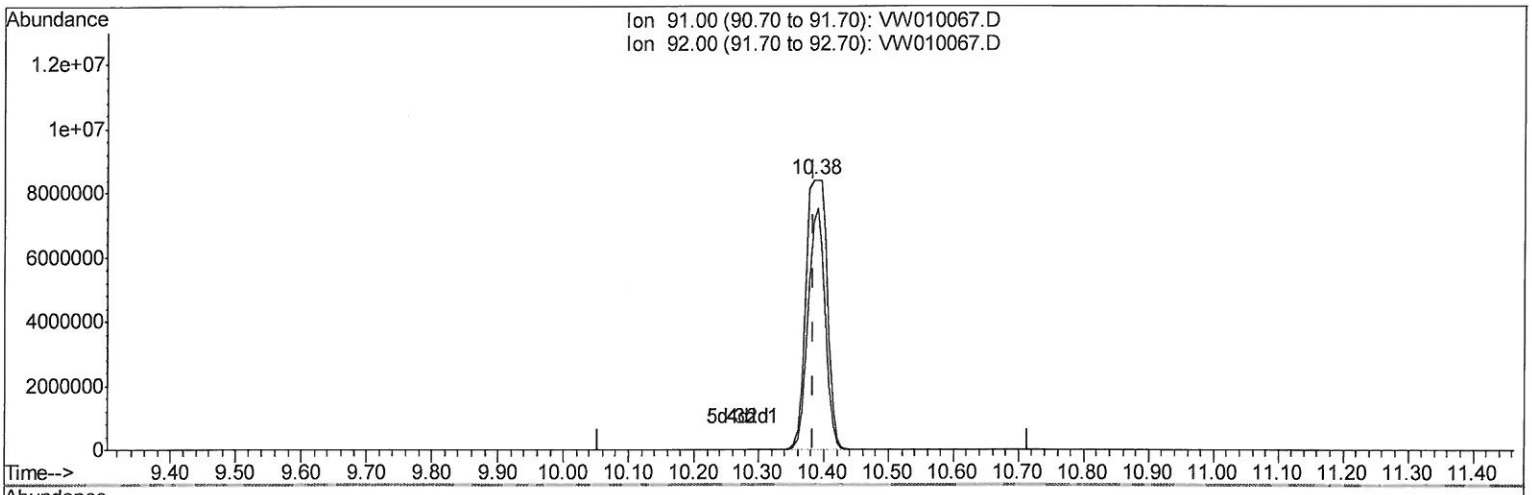
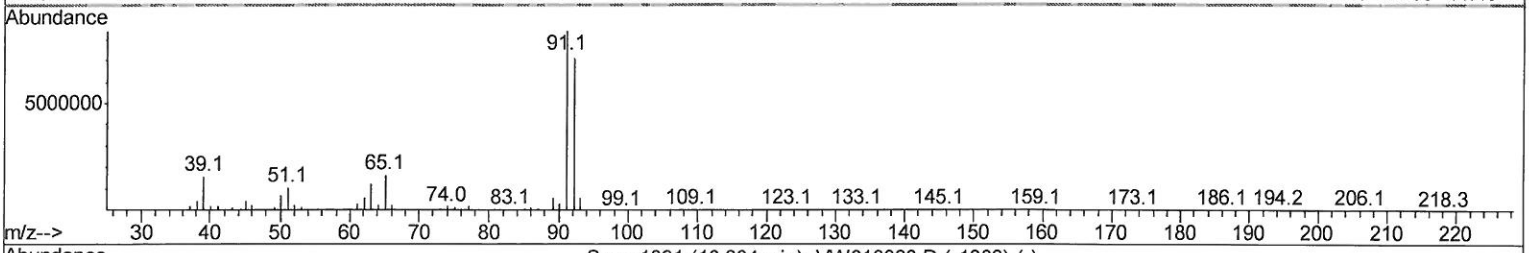
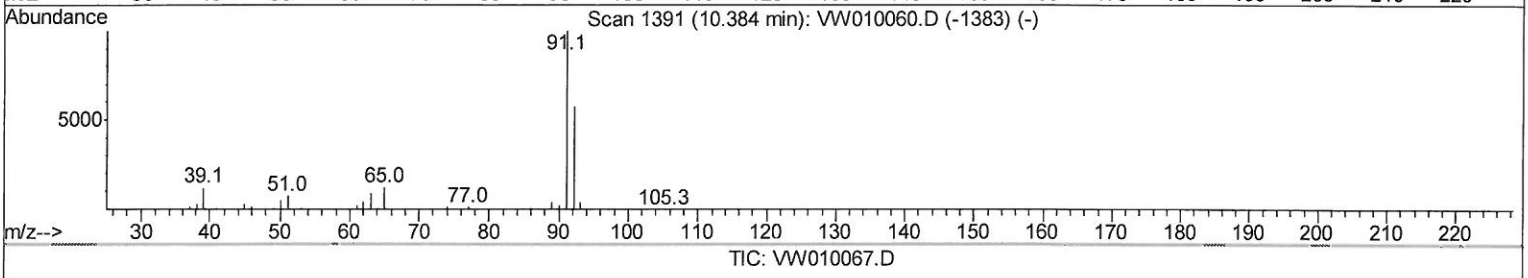
Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:03 AM







TIC: VW010067.D

(44) Toluene (T)

10.384min (-0.000) 6539.64ug/L m

response 19289909

Ion	Exp%	Act%
91.00	100	100
92.00	56.90	84.98#
0.00	0.00	0.00
0.00	0.00	0.00

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Quantitation Report (Qedit)

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Instrument :
MSVOA_W
ClientSampleId :
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Manual Integrations APPROVED
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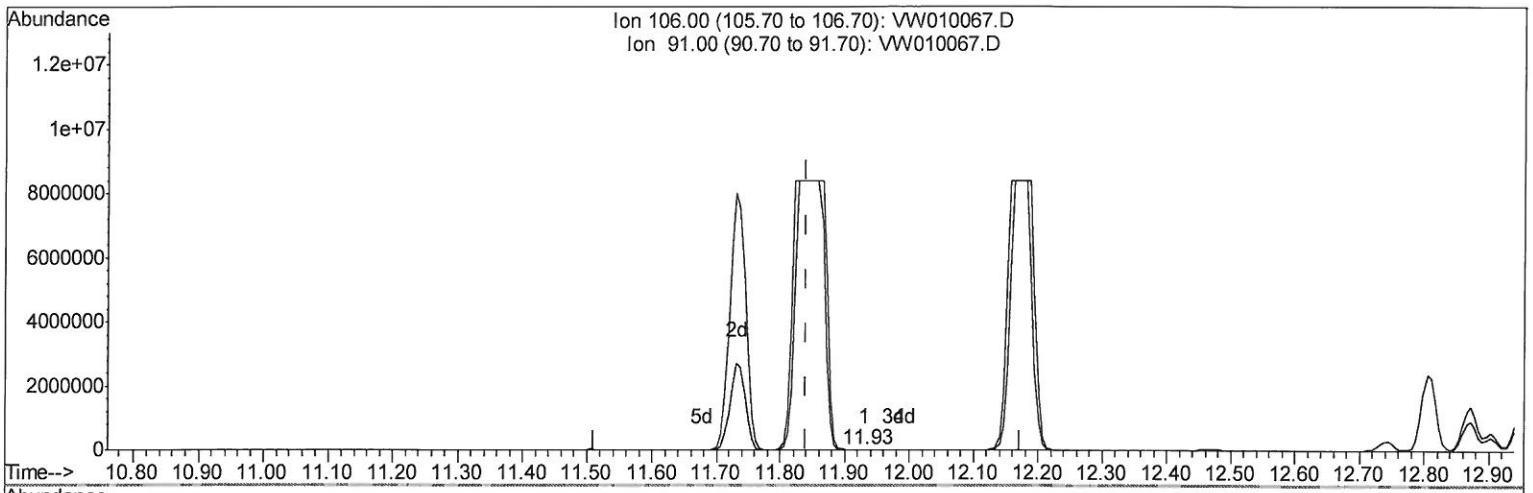
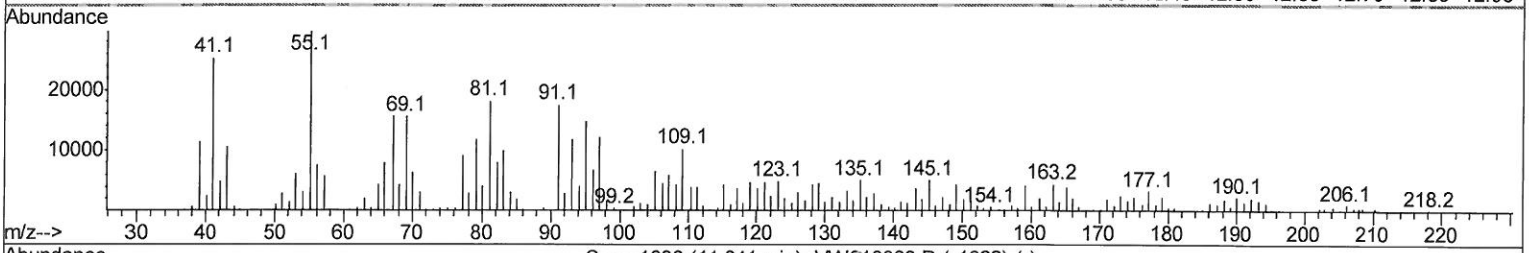
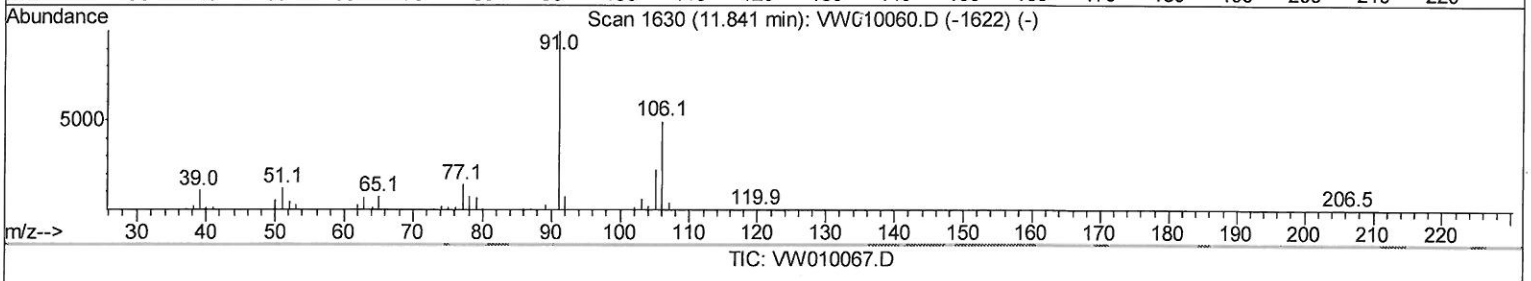
4/23/2019 6:57:03 AM







TIC: VW010067.D

(54) m,p-Xylene (T)

11.933min (+0.091) 0.35ug/L

response 418

Ion	Exp%	Act%
106.00	100	100
91.00	204.80	386.24#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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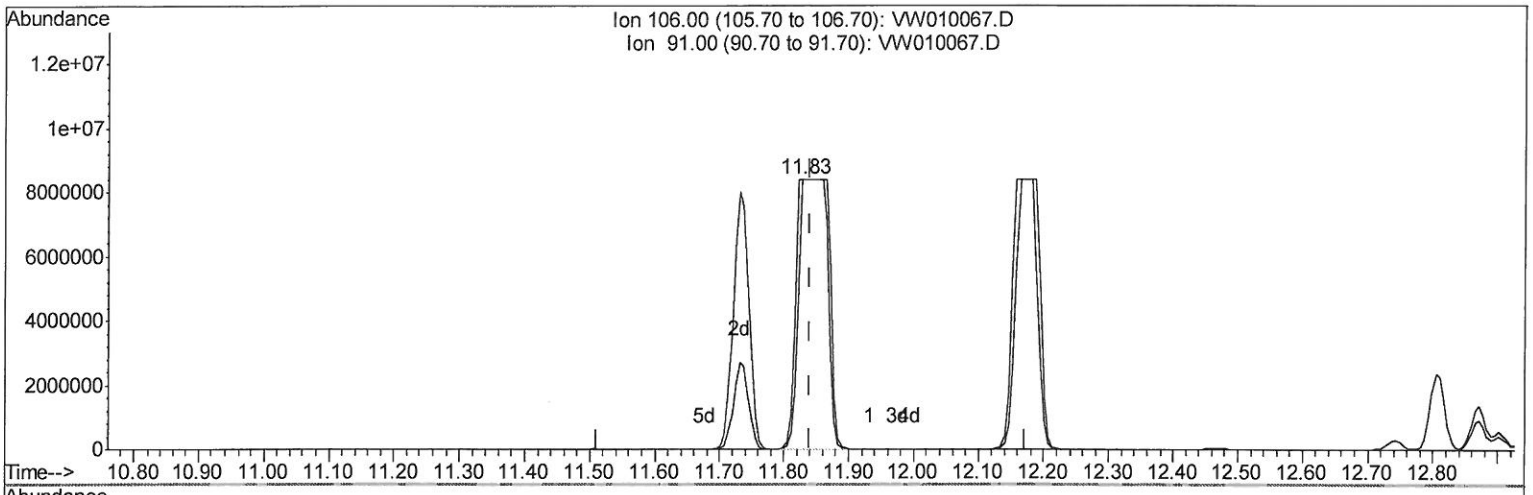
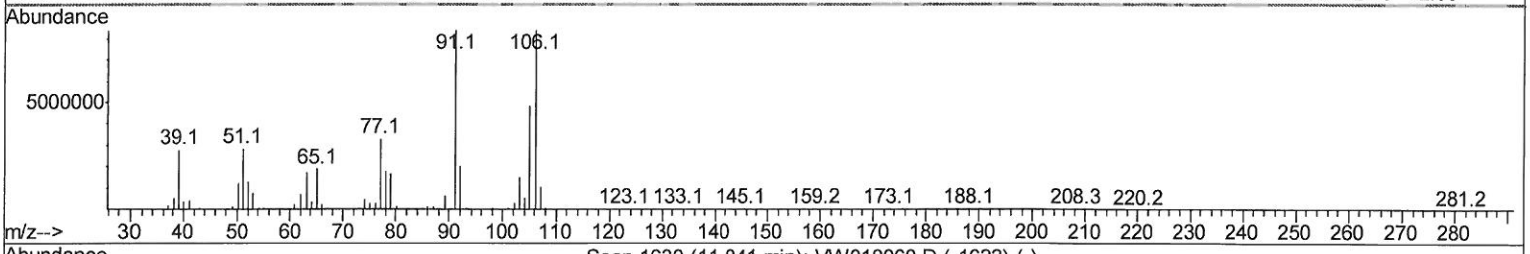
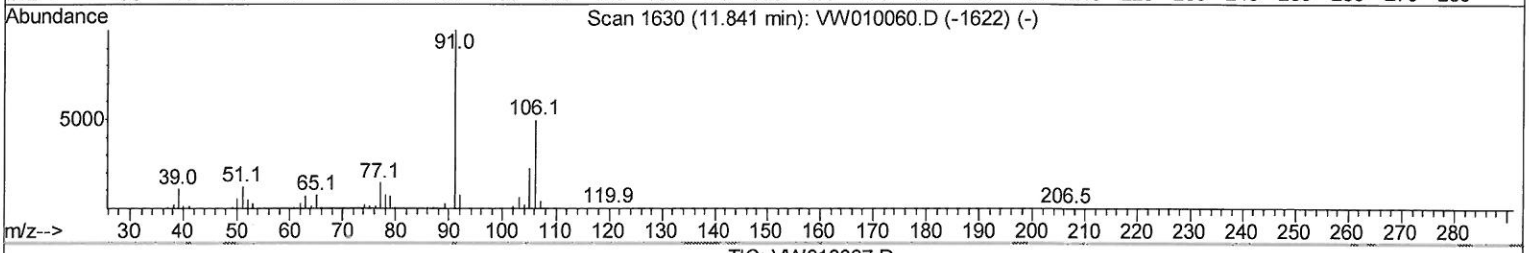
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
GAHR7

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:03 AM







TIC: VW010067.D

(54) m,p-Xylene (T)

11.829min (-0.012) 20916.07ug/L m

response 25223269

Ion	Exp%	Act%
106.00	100	100
91.00	204.80	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

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Quantitation Report (Qedit)

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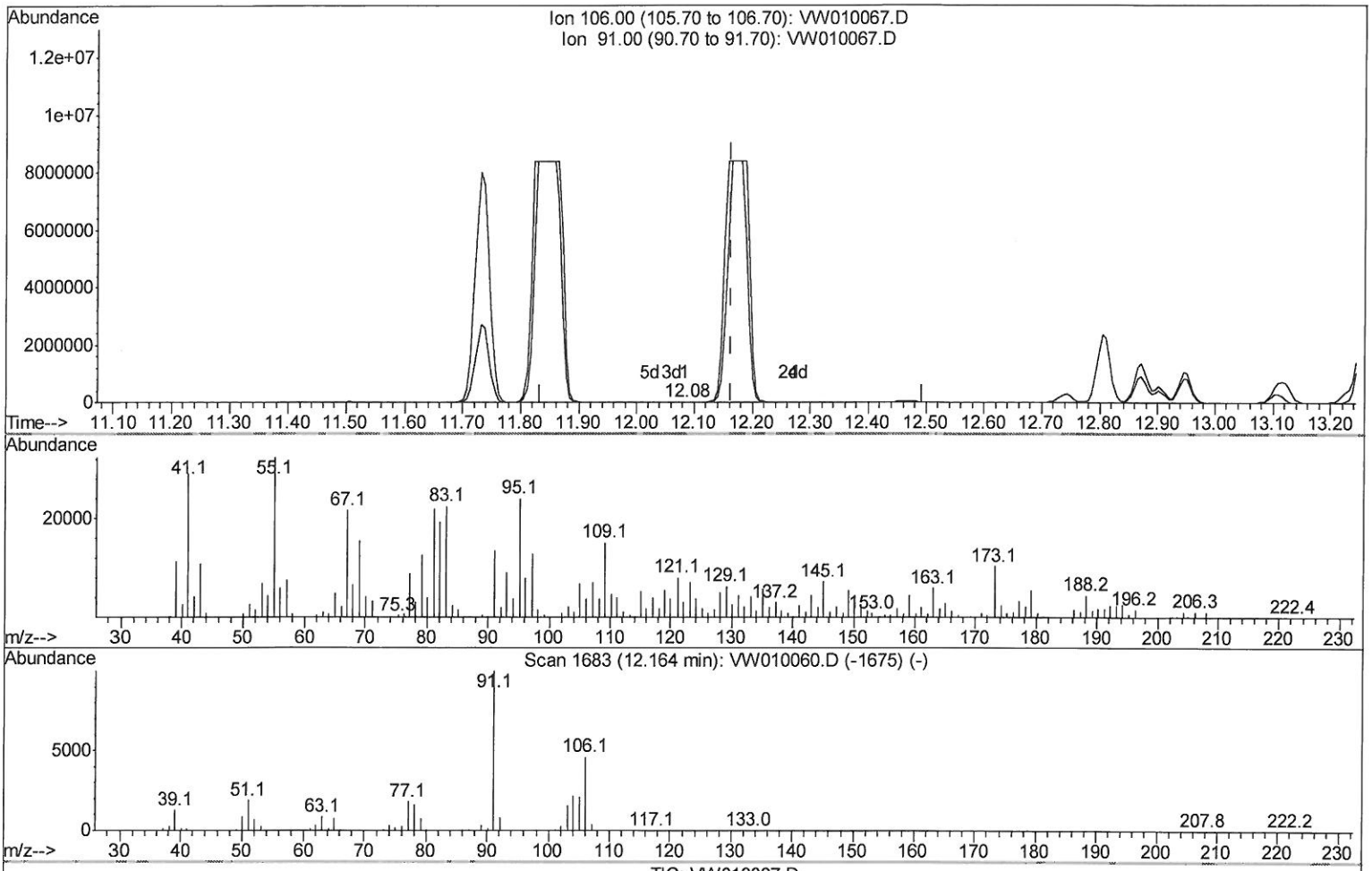
Instrument :
MSVOA_W
ClientSampleId :
GAHR7

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:03 AM



TIC: VW010067.D

(55) o-xylene (T)

12.085min (-0.079) 0.56ug/L

response 650

Ion	Exp%	Act%
106.00	100	100
91.00	217.50	356.80#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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MSVOA_W
ClientSampleId :
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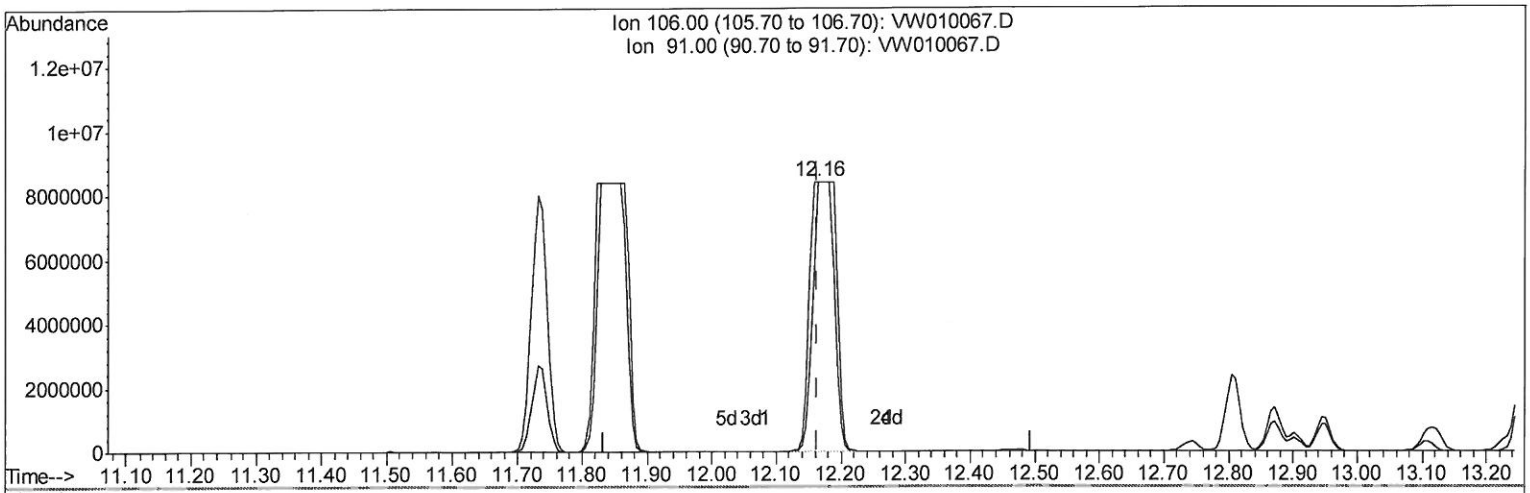
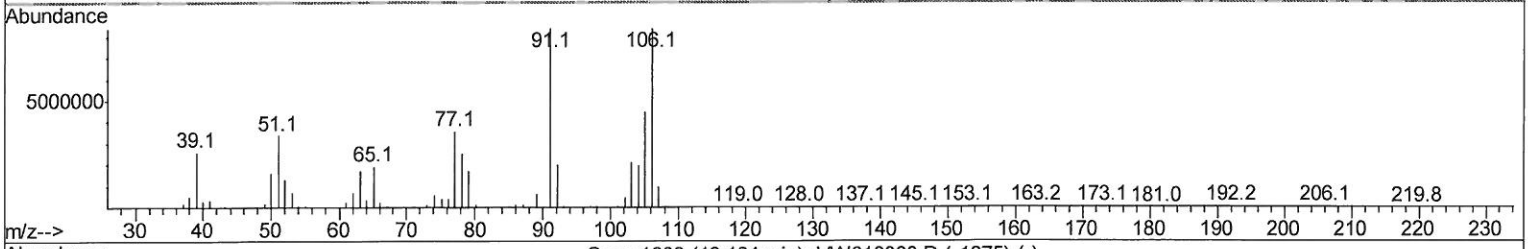
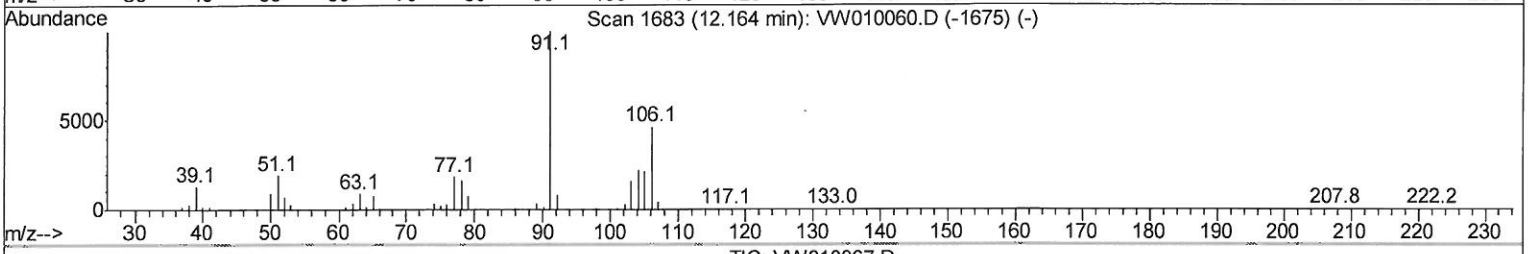
Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:03 AM







TIC: VW010067.D

(55) o-xylene (T)

12.164min (-0.000) 16445.15ug/L m

response 19020747

SMO 4/26/19

Ion	Exp%	Act%
106.00	100	100
91.00	217.50	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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Manual Integrations APPROVED
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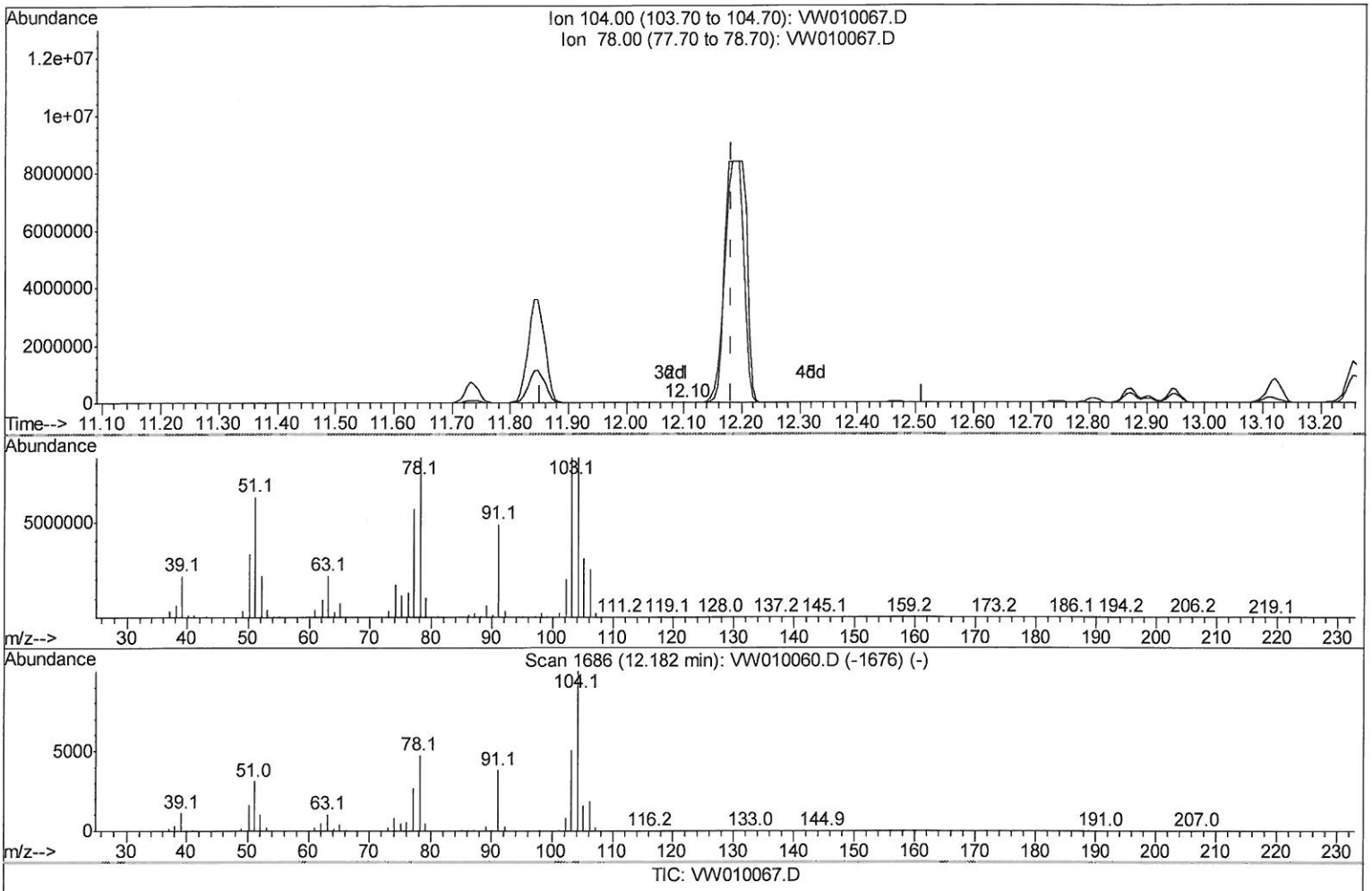

TIC: VW010067.D

(56) Styrene (T)

12.103min (-0.079) 0.40ug/L

response 805

Ion	Exp%	Act%
104.00	100	100
78.00	46.70	206.56#
0.00	0.00	0.00
0.00	0.00	0.00

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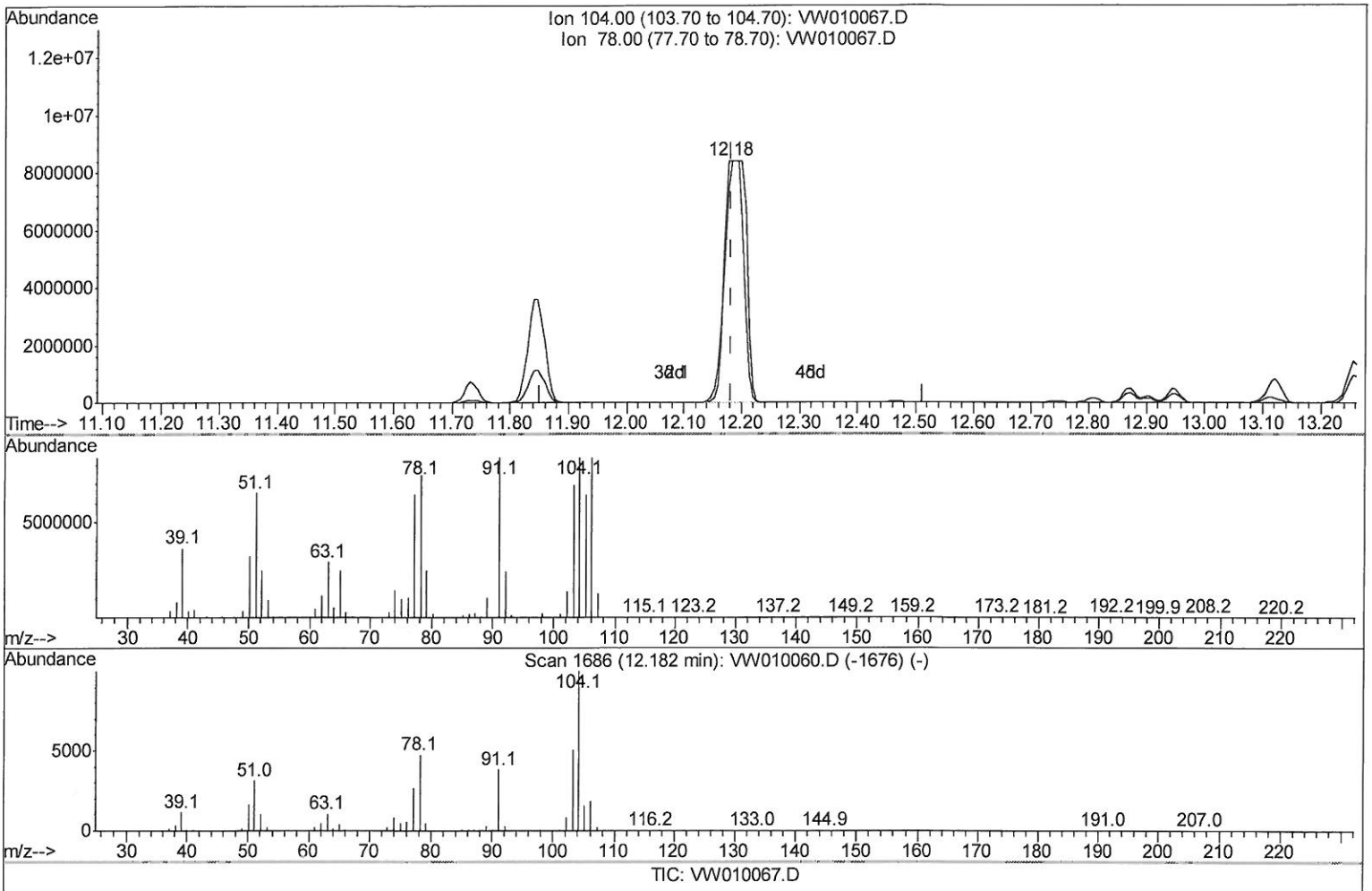

TIC: VW010067.D

(56) Styrene (T)

12.176min (-0.006) 10816.58ug/L m

response 21901178

Ion	Exp%	Act%
104.00	100	100
78.00	46.70	88.82#
0.00	0.00	0.00
0.00	0.00	0.00

>MD 4/26/19

Quantitation Report (LSC Reviewed)

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Manual Integrations APPROVED
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4/23/2019 6:57:03 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	87859	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	47198	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	15325	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	22357	26.93	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.72%			
7) Chloroethane-d5	2.89	69	19035	22.63	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.52%			
10) 1,1-Dichloroethene-d2	4.00	63	42428	18.43	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 73.72%			
20) 2-Butanone-d5	7.09	46	24519	54.59	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 109.18%			
24) Chloroform-d	7.64	84	55981	22.04	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.16%			
26) 1,2-Dichloroethane-d4	8.31	65	36608	23.23	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.92%			
29) Benzene-d6	8.27	84	106425	41.03	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 164.12%#			
33) 1,2-Dichloropropane-d6	9.27	67	34045	41.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 164.84%#			
37) Toluene-d8	10.32	98	71694	30.30	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 121.20%			
38) trans-1,3-Dichloropropene-	10.58	79	13086	33.41	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 133.64%			
39) 2-Hexanone-d5	10.93	63	18390	100.46	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 200.92%#			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	11230	14.53	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 58.12%			
61) 1,2-Dichlorobenzene-d4	13.87	152	9566	16.60	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 66.40%#			

Target Compounds						Qvalue
13) Acetone	4.12	43	5453	13.653	ug/L	70
16) Methylene chloride	4.91	84	17304	10.877	ug/L	98
44) Toluene	10.38	91	19289909m	6539.636	ug/L	
53) Ethylbenzene	11.73	91	13717715	4160.797	ug/L	95
54) m,p-Xylene	11.83	106	25223269m	20916.065	ug/L	
55) o-xylene	12.16	106	19020747m	16445.146	ug/L	
56) Styrene	12.18	104	21901178m	10816.584	ug/L	
57) Isopropylbenzene	12.46	105	696804	226.184	ug/L	98

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