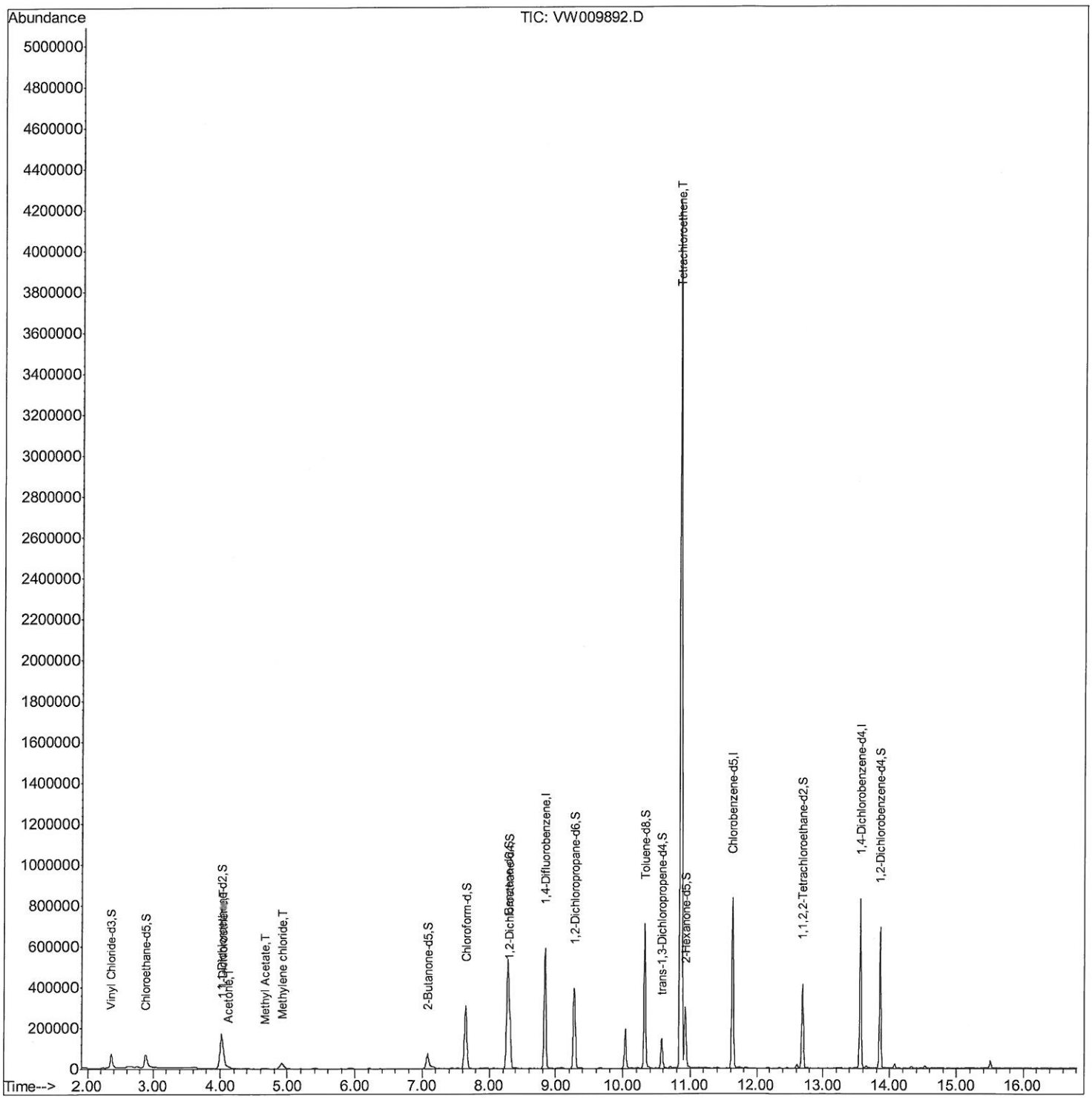
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
Data File : VW009892.D
Acq On : 10 Apr 2019 21:05
Operator : SY/VA
Sample : K2340-17
Misc : 5.42G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 05:54:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM



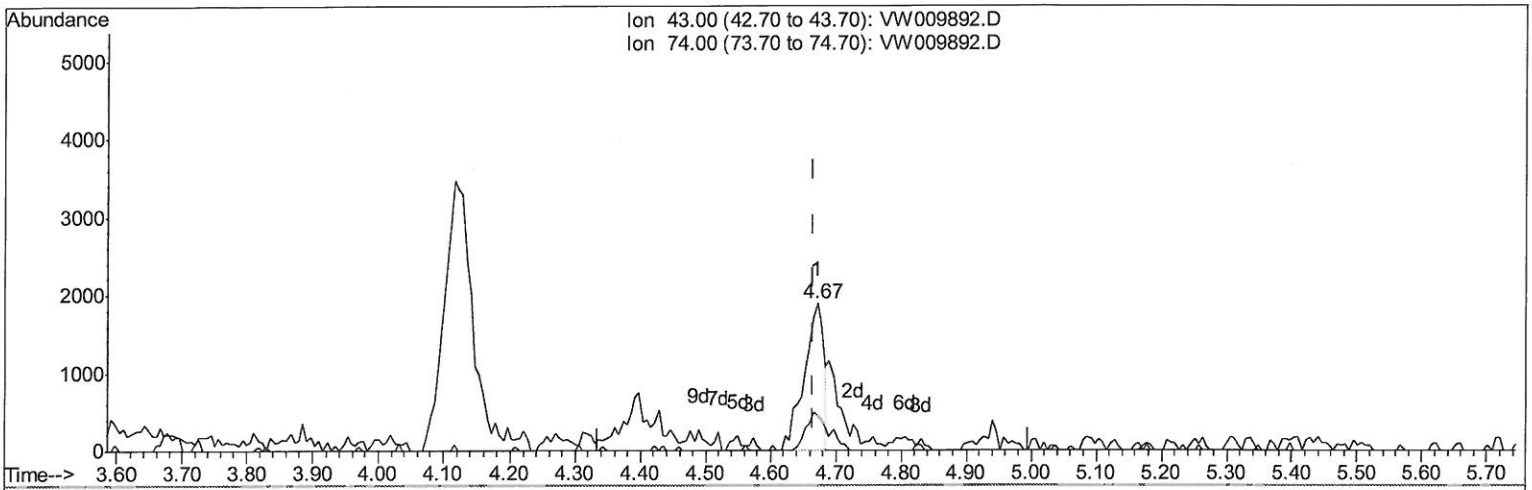
Quantitation Report (Qedit)

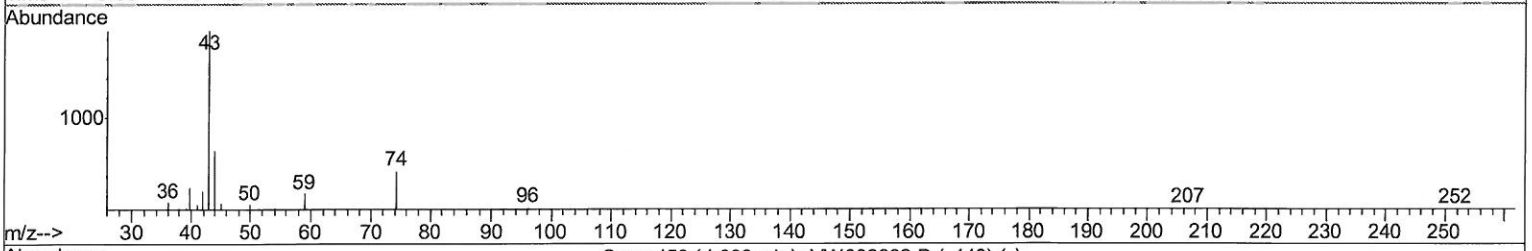
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
Data File : VW009892.D
Acq On : 10 Apr 2019 21:05
Operator : SY/VA
Sample : K2340-17
Misc : 5.42G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

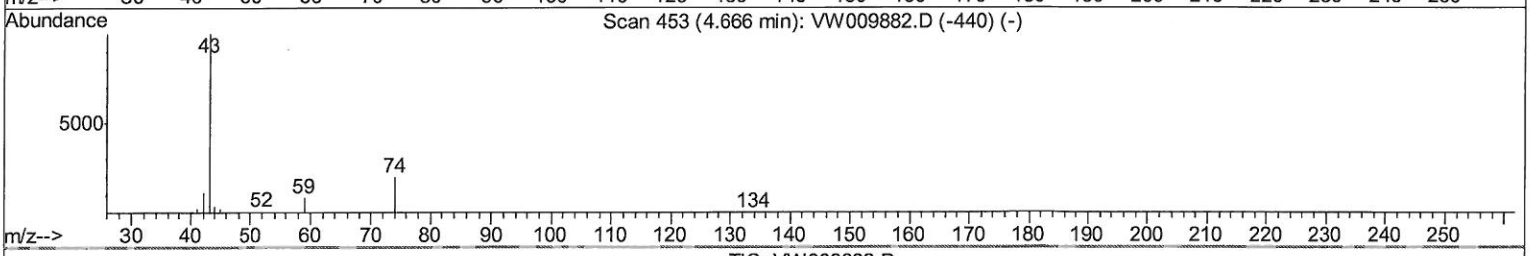
Quant Time: Apr 11 03:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM







TIC: VW009892.D

(15) Methyl Acetate (T)

4.672min (+0.006) 1.07ug/L

response 3932

Ion	Exp%	Act%
43.00	100	100
74.00	21.50	24.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
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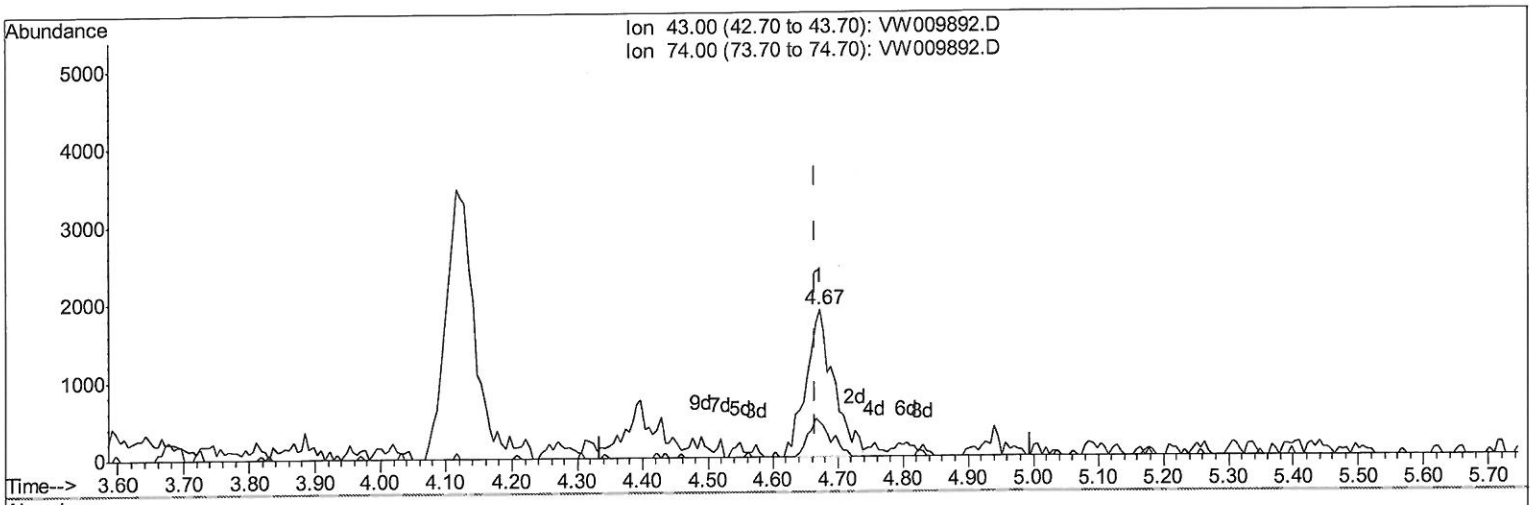
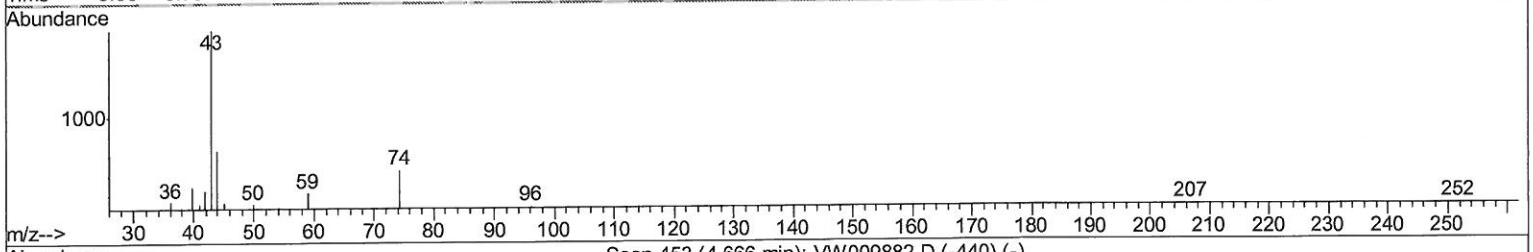
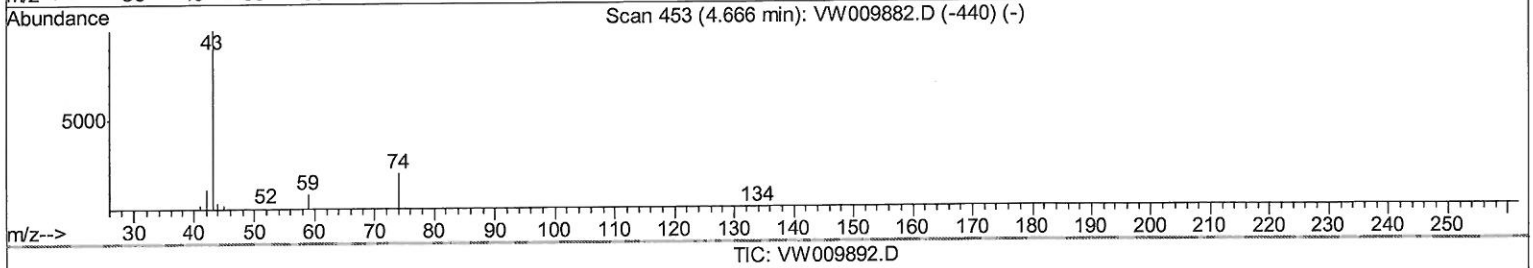
Instrument :
MSVOA_W
ClientSampleId :
BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM







TIC: VW009892.D

(15) Methyl Acetate (T)

4.672min (+0.006) 1.51ug/L m

response 5546

Ion	Exp%	Act%
43.00	100	100
74.00	21.50	17.27
0.00	0.00	0.00
0.00	0.00	0.00

MD 4/12/19

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
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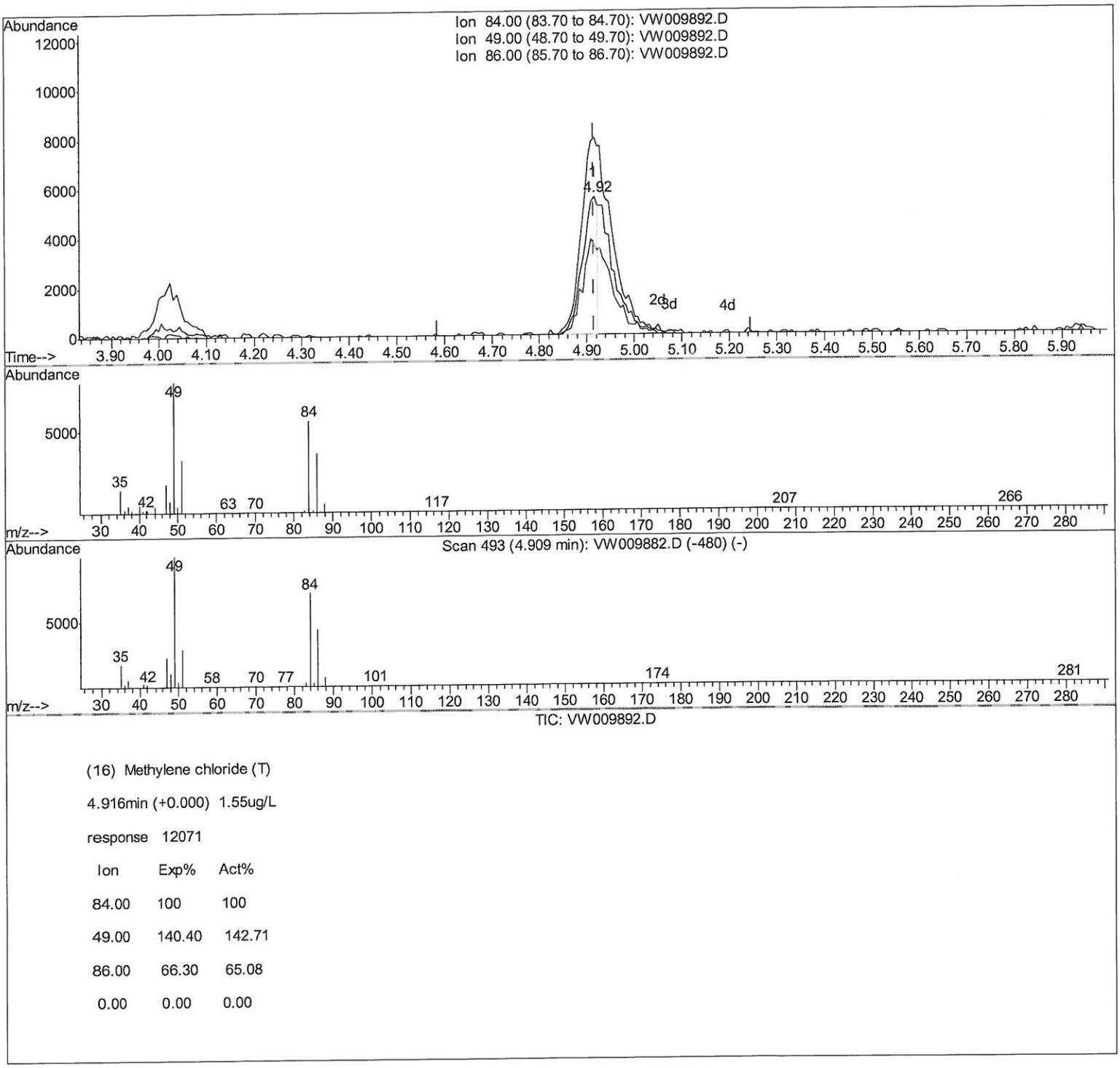
Operator : SY/VA
Sample : K2340-17
Misc : 5.42G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 03:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM



(16) Methylene chloride (T)

4.916min (+0.000) 1.55ug/L

response 12071

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	142.71
86.00	66.30	65.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
Data File : VW009892.D
Acq On : 10 Apr 2019 21:05
Operator : SY/VA
Sample : K2340-17
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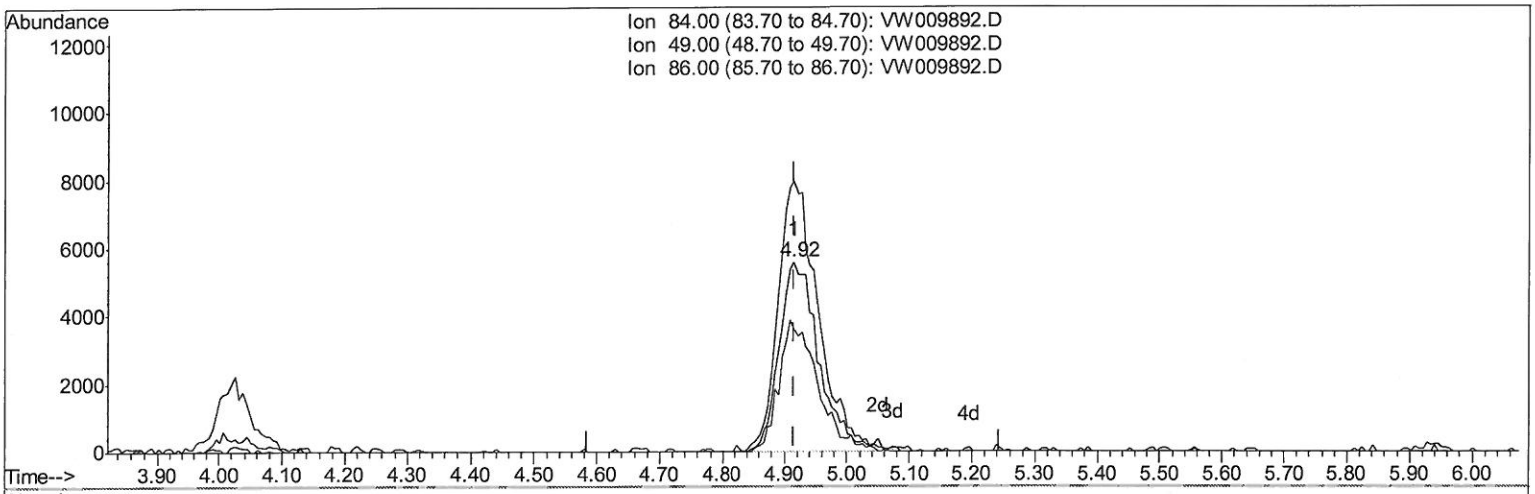
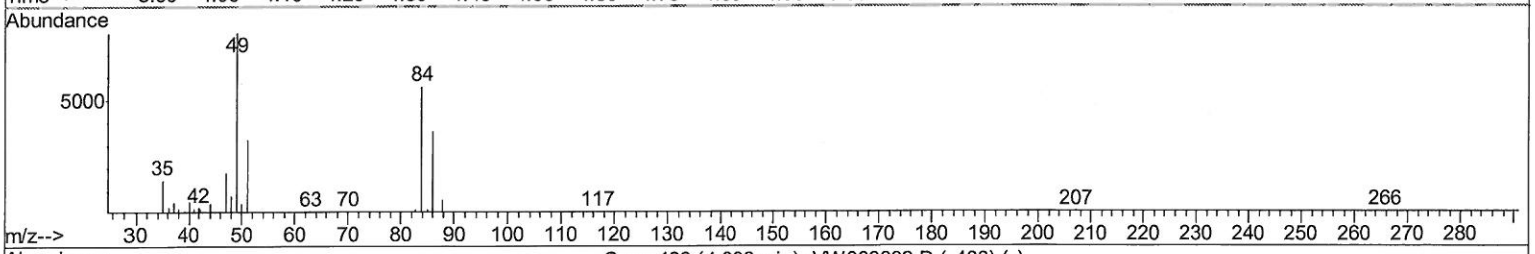
ALS Vial : 2 Sample Multiplier: 1

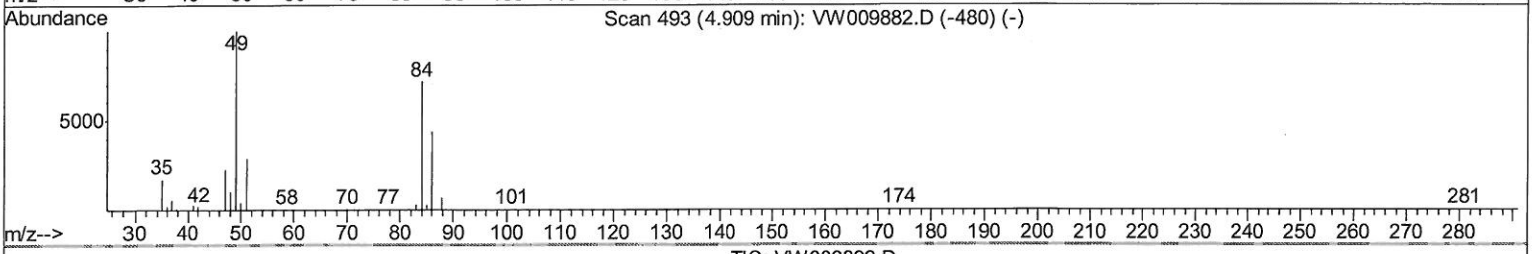
Quant Time: Apr 11 03:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM







TIC: VW009892.D

(16) Methylene chloride (T)

4.916min (+0.000) 3.16ug/L m

response 24600

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	142.71
86.00	66.30	65.08
0.00	0.00	0.00

JMD
4/13/19

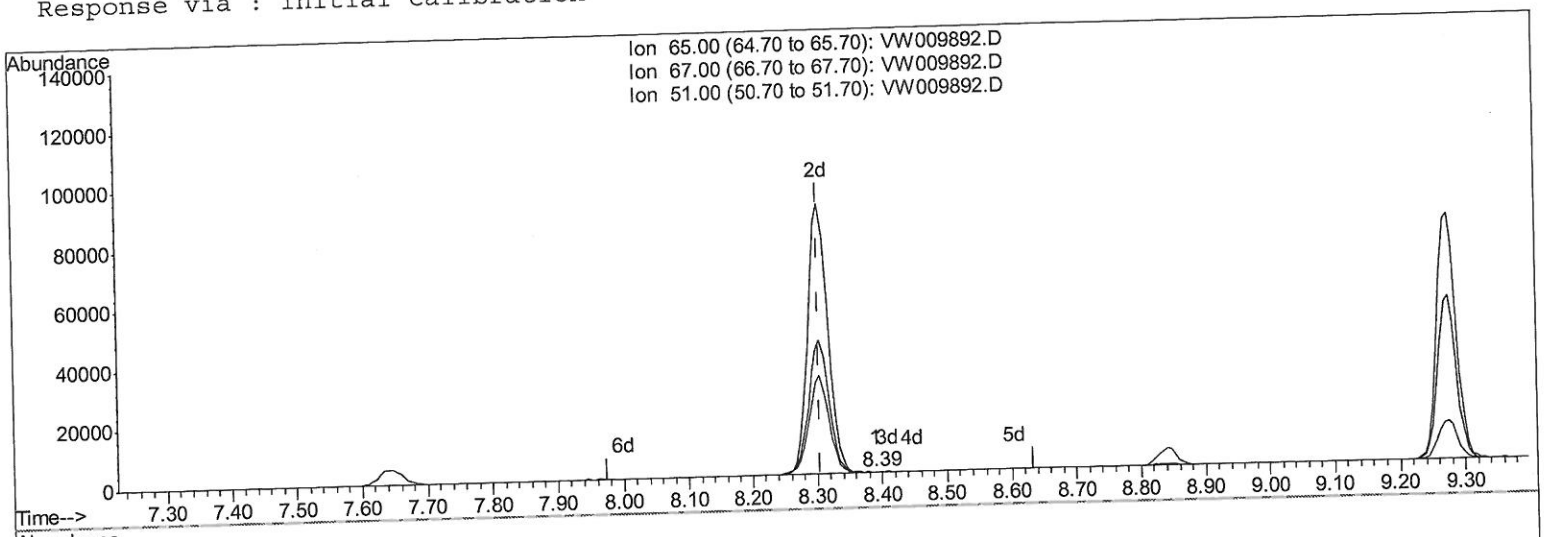
Quantitation Report (Qedit)

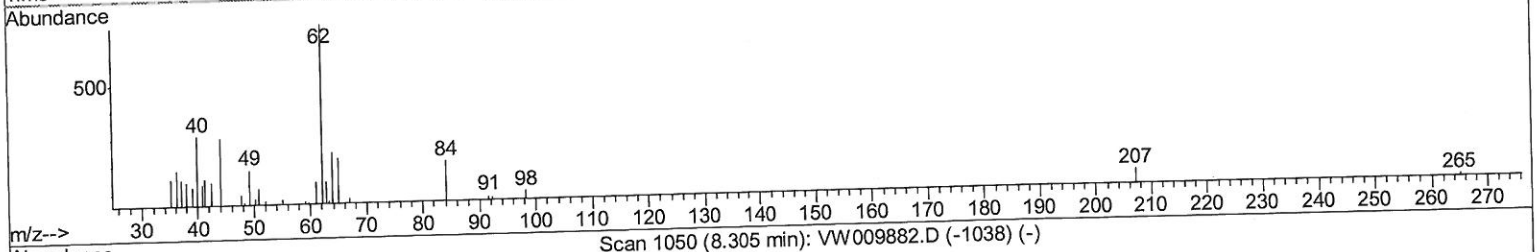
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
Data File : VW009892.D
Acq On : 10 Apr 2019 21:05
Operator : SY/VA
Sample : K2340-17
Misc : 5.42G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 03:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

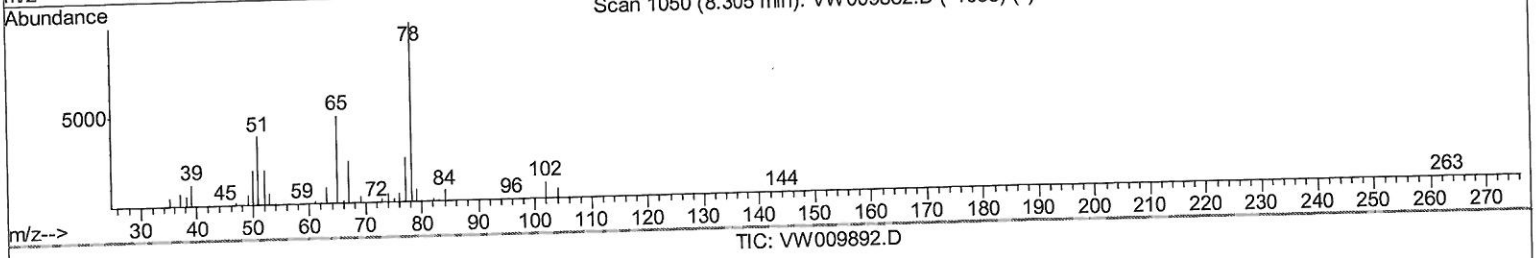
Instrument :
MSVOA_W
ClientSampleId :
BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM





Scan 1050 (8.305 min): VW009882.D (-1038) (-)



TIC: VW009892.D

(26) 1,2-Dichloroethane-d4 (S)

8.391min (+0.086) 0.02ug/L

response 170

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	47.06
51.00	109.90	123.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
Data File : VW009892.D
Acq On : 10 Apr 2019 21:05
Operator : SY/VA
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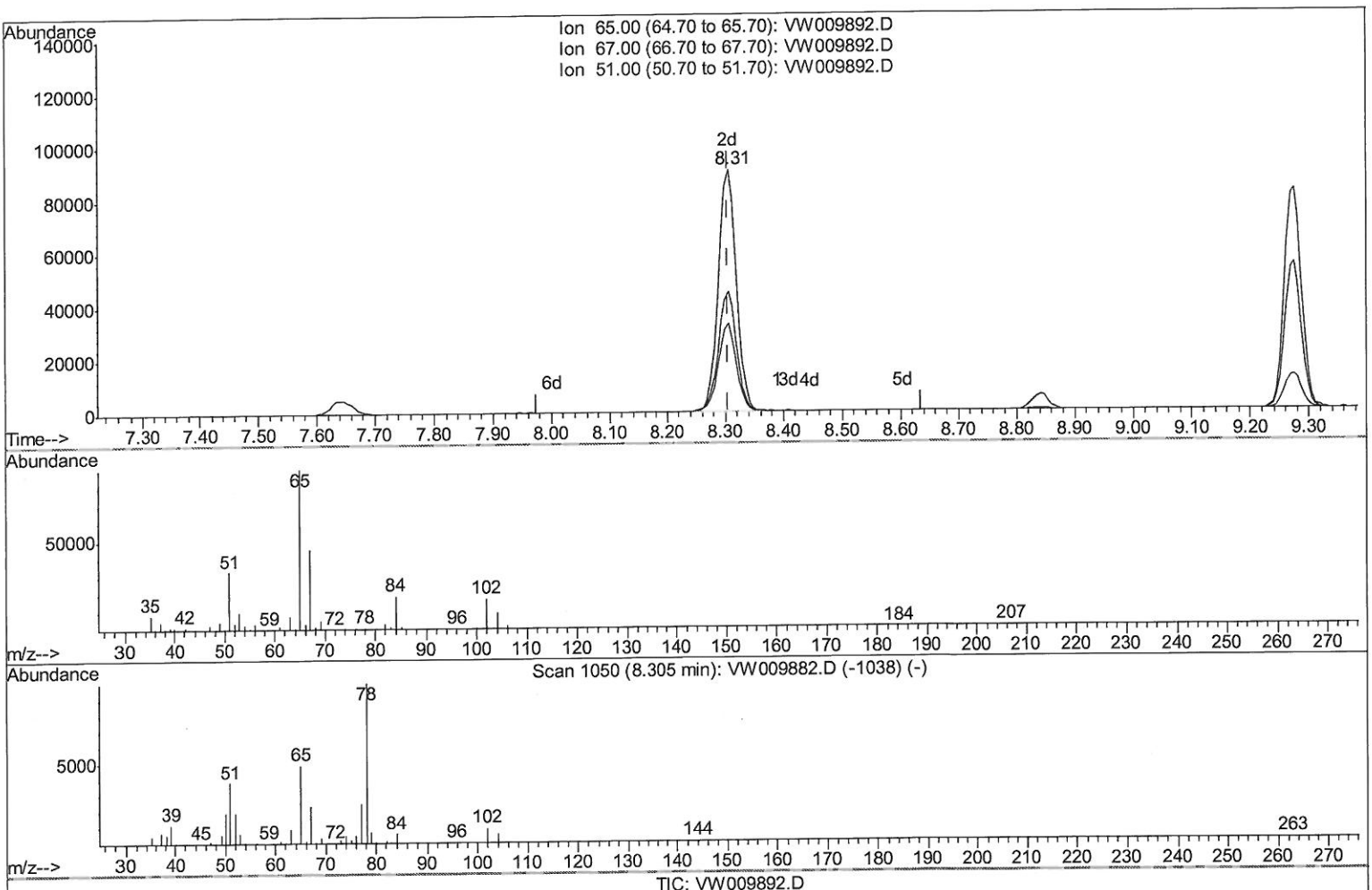
Misc : 5.42G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 03:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM



TIC: VW009892.D

(26) 1,2-Dichloroethane-d4 (S)

8.305min (+0.000) 26.15ug/L m

response 193656

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	0.04#
51.00	109.90	0.11#
0.00	0.00	0.00

MD 4/13/19

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041019\
Data File : VW009892.D
Acq On : 10 Apr 2019 21:05
Operator : SY/VA
Sample : K2340-17
Misc : 5.42G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 05:54:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 03:44:42 2019
Response via : Initial Calibration

Instrument : MSVOA_W
ClientSampleId : BF2S9

Manual Integrations APPROVED
MMDadoda
4/15/2019 12:33:17 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	442096	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	428229	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	186194	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	99919	17.27	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 69.08%			
7) Chloroethane-d5	2.89	69	93873	17.71	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 70.84%			
10) 1,1-Dichloroethene-d2	4.02	63	201887	16.23	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 64.92%			
20) 2-Butanone-d5	7.07	46	122447	65.19	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 130.38%			
24) Chloroform-d	7.65	84	287571	23.84	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.36%			
26) 1,2-Dichloroethane-d4	8.31	65	193656m	26.15	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.60%			
29) Benzene-d6	8.27	84	509189	22.65	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 90.60%			
33) 1,2-Dichloropropane-d6	9.27	67	168079	24.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.84%			
37) Toluene-d8	10.32	98	433527	20.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 83.44%			
38) trans-1,3-Dichloropropene-	10.58	79	71438	21.57	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.28%			
39) 2-Hexanone-d5	10.93	63	83925	64.13	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 128.26%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	179250	27.77	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 111.08%			
61) 1,2-Dichlorobenzene-d4	13.86	152	170924	26.16	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 104.64%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.04	96	21812	3.715	ug/L #	1
13) Acetone	4.12	43	9842	4.890	ug/L	100
15) Methyl Acetate	4.67	43	5546m	1.511	ug/L	
16) Methylene chloride	4.92	84	24600m	3.155	ug/L	
47) Tetrachloroethene	10.86	164	837992	157.800	ug/L	98

MMD 4/13/19

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