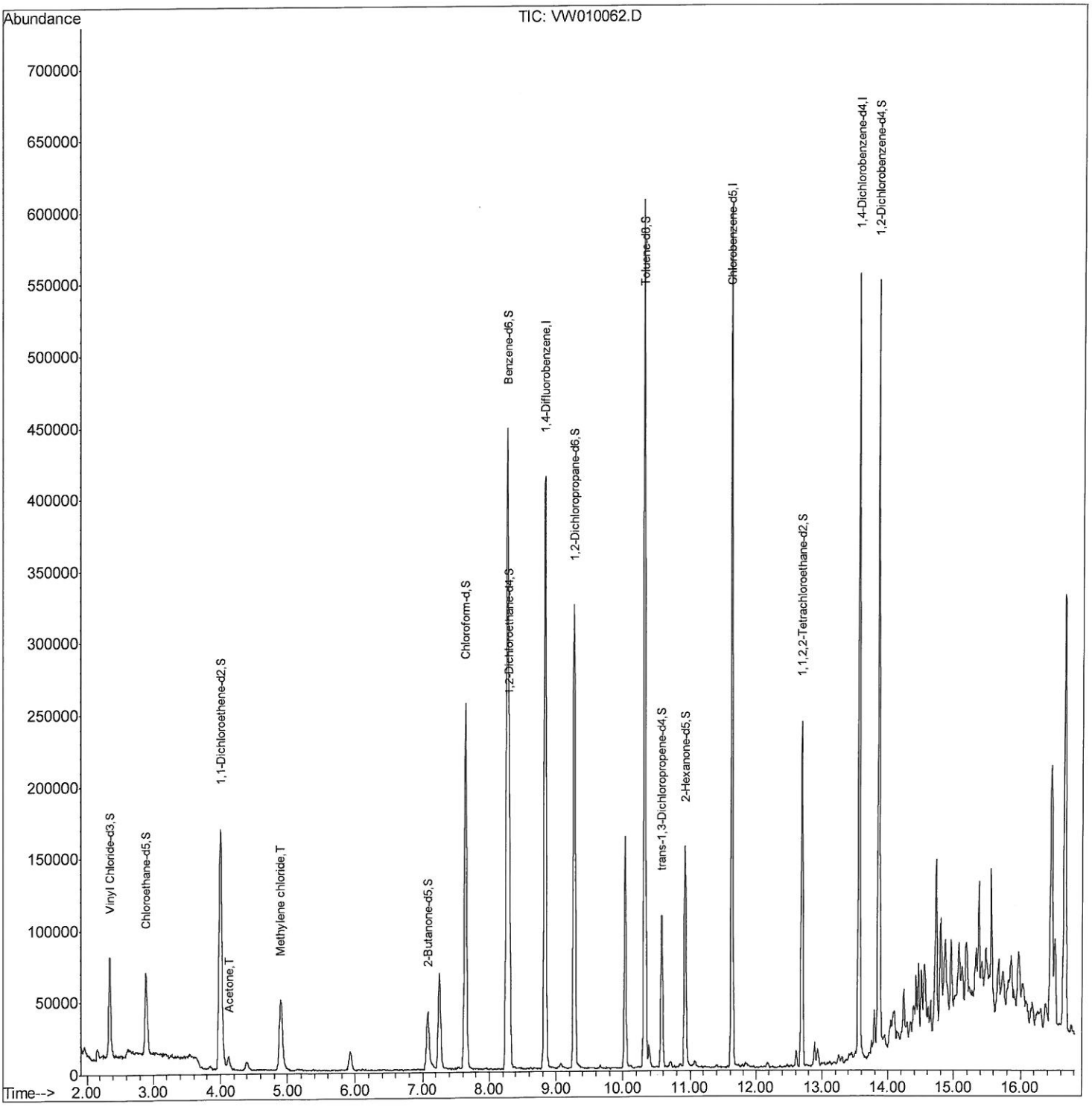
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010062.D
Acq On : 19 Apr 2019 12:55
Operator : SY/VA
Sample : K2455-01
Misc : 5.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 20 04:08:12 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 :
GAHQ3

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:00 AM



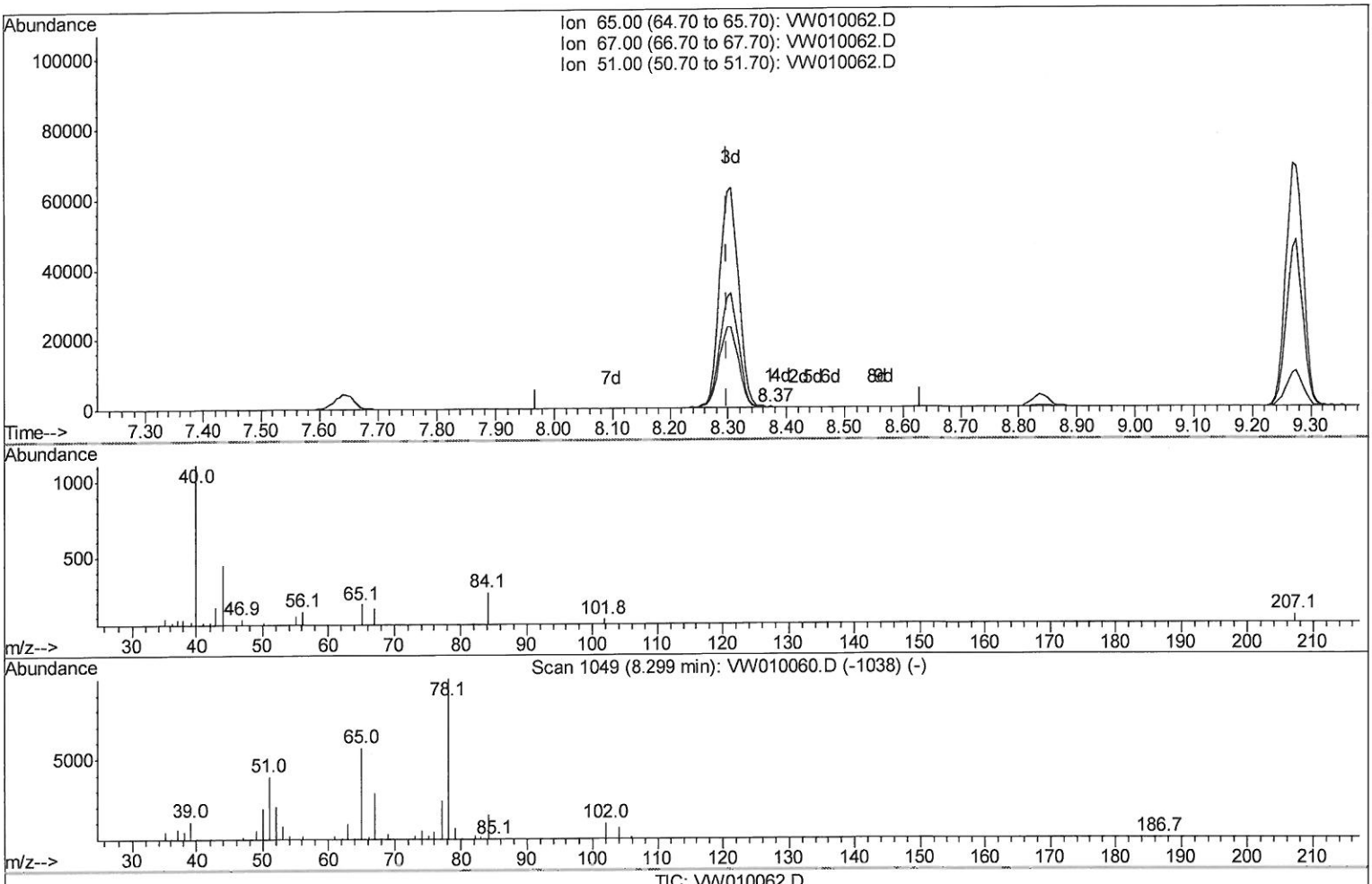
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010062.D
Acq On : 19 Apr 2019 12:55
Operator : SY/VA
Sample : K2455-01
Misc : 5.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 20 03:53:25 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 :
GAHQ3

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:00 AM



TIC: VW010062.D

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

8.372min (+0.073) 0.03ug/L

response 166

Ion	Exp%	Act%
65.00	100	100
67.00	50.40	51.81
51.00	99.90	94.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
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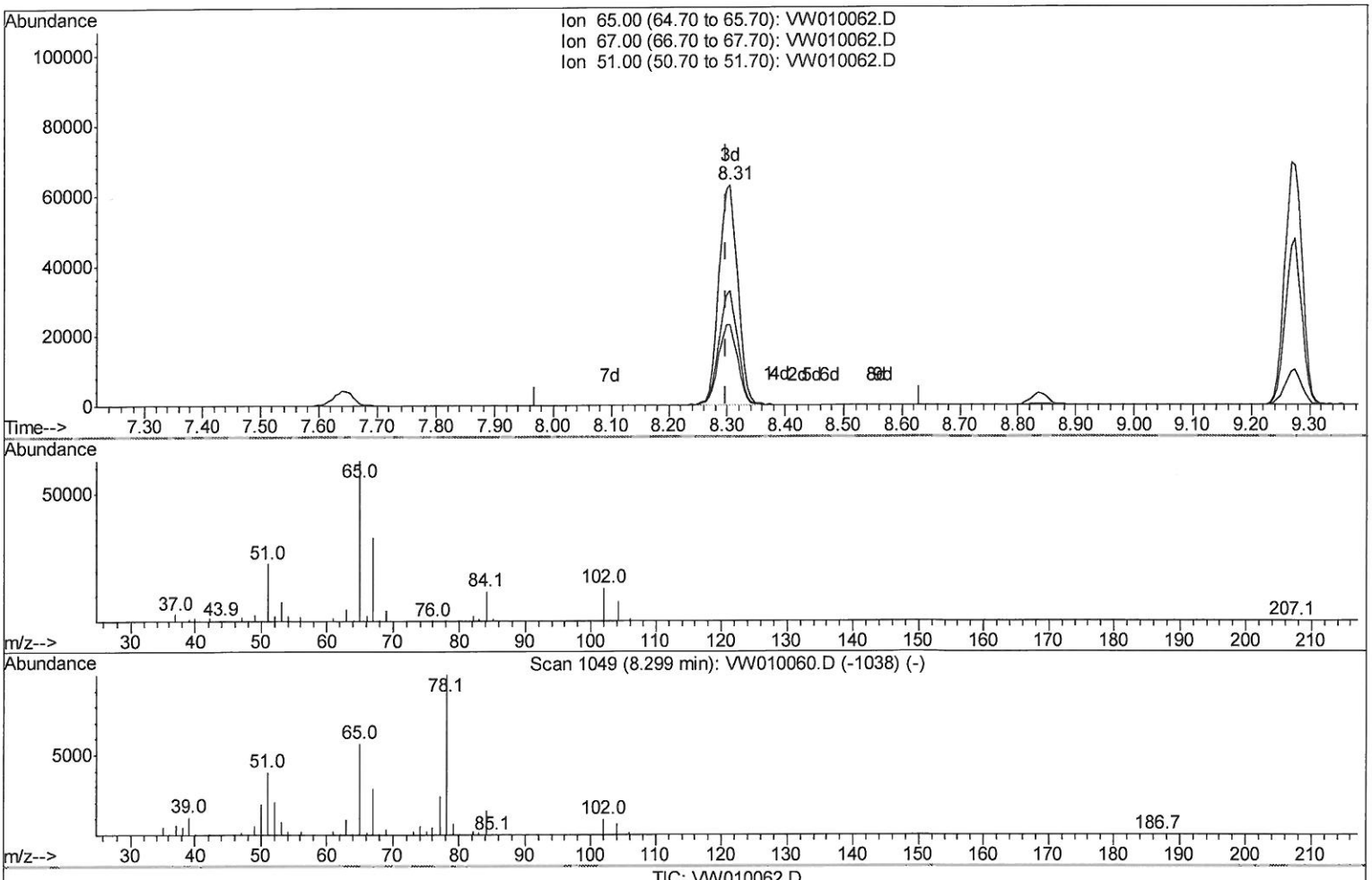
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 03:50:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
GAHQ3

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:00 AM



TIC: VW010062.D

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

8.305min (+0.006) 23.97ug/L m

response 140907

Ion	Exp%	Act%
65.00	100	100
67.00	50.40	0.06#
51.00	99.90	0.11#
0.00	0.00	0.00

MD 4/26/19

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010062.D
Acq On : 19 Apr 2019 12:55
Operator : SY/VA
Sample : K2455-01
Misc : 5.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 20 04:08:12 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 : GAHQ3

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:57:00 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	327719	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314507	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	131231	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	85013	27.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 109.80%			
7) Chloroethane-d5	2.89	69	73329	23.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.52%			
10) 1,1-Dichloroethene-d2	4.00	63	178266	20.76	ug/L	-0.02
Spiked Amount 25.000	Range 45 - 110		Recovery = 83.04%			
20) 2-Butanone-d5	7.07	46	69714	41.61	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 83.22%			
24) Chloroform-d	7.64	84	238871	25.21	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.84%			
26) 1,2-Dichloroethane-d4	8.31	65	140907m	23.97	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.88%			
29) Benzene-d6	8.27	84	444885	25.74	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.96%			
33) 1,2-Dichloropropane-d6	9.27	67	144051	26.17	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.68%			
37) Toluene-d8	10.32	98	375712	23.83	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 95.32%			
38) trans-1,3-Dichloropropene-	10.58	79	57044	21.85	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.40%			
39) 2-Hexanone-d5	10.93	63	46559	38.17	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 76.34%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113701	22.08	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 88.32%			
61) 1,2-Dichlorobenzene-d4	13.86	152	131923	26.74	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 106.96%			

Target Compounds						Qvalue
13) Acetone	4.13	43	14138	9.490	ug/L	73
16) Methylene chloride	4.90	84	36395	6.133	ug/L	93

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

MD 4/26/19