Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (QT Reviewed)

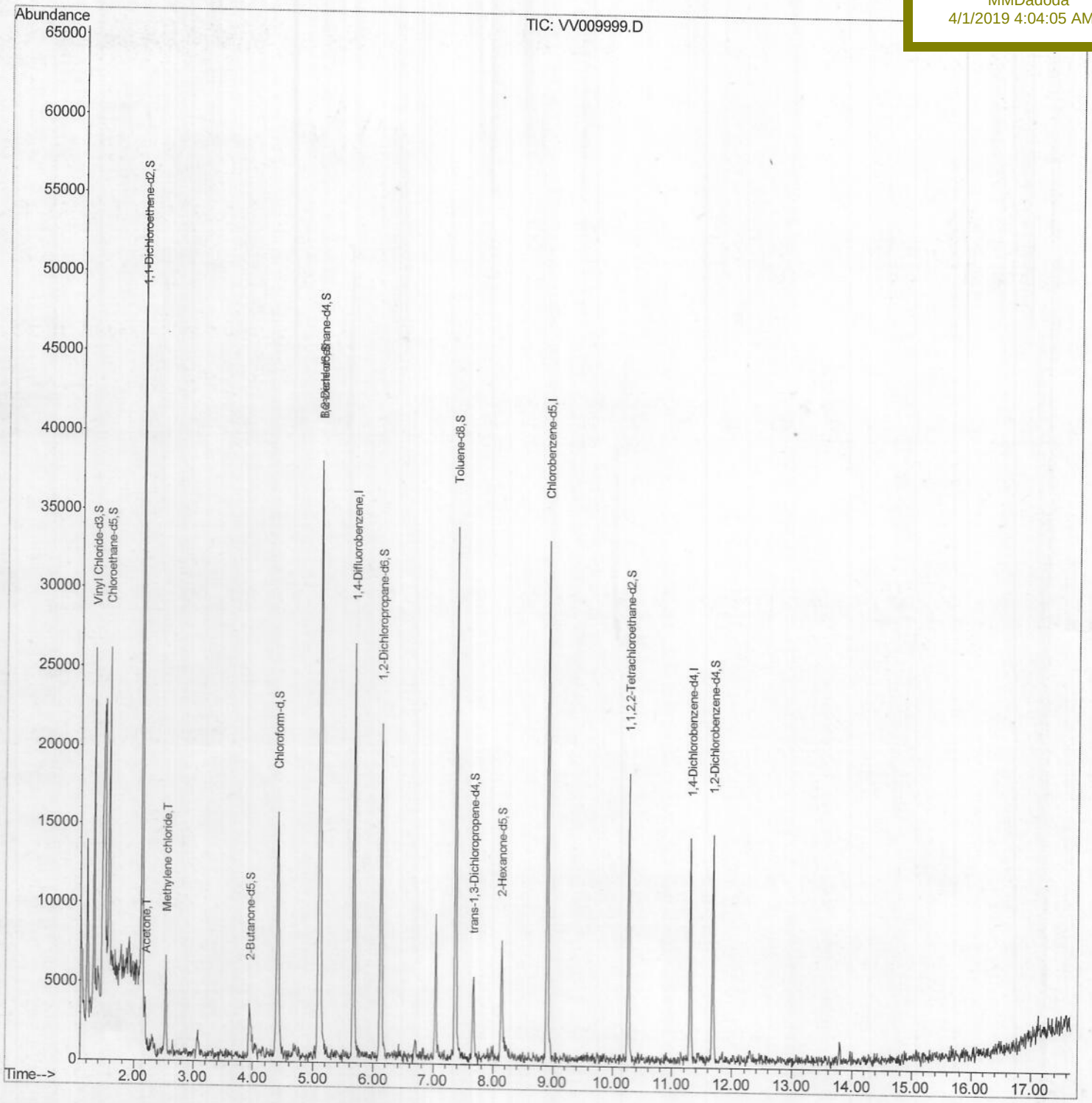
Data File : VV009999.D
Acq On : 29 Mar 2019 14:17
Operator : SY/MD
Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 04:31:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Manual Integrations APPROVED
MMDadoda
4/1/2019 4:04:05 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

Data File : VV009999.D
Acq On : 29 Mar 2019 14:17
Operator : SY/MD
Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 04:16:25 2019
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Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Instrument :
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Manual Integrations APPROVED
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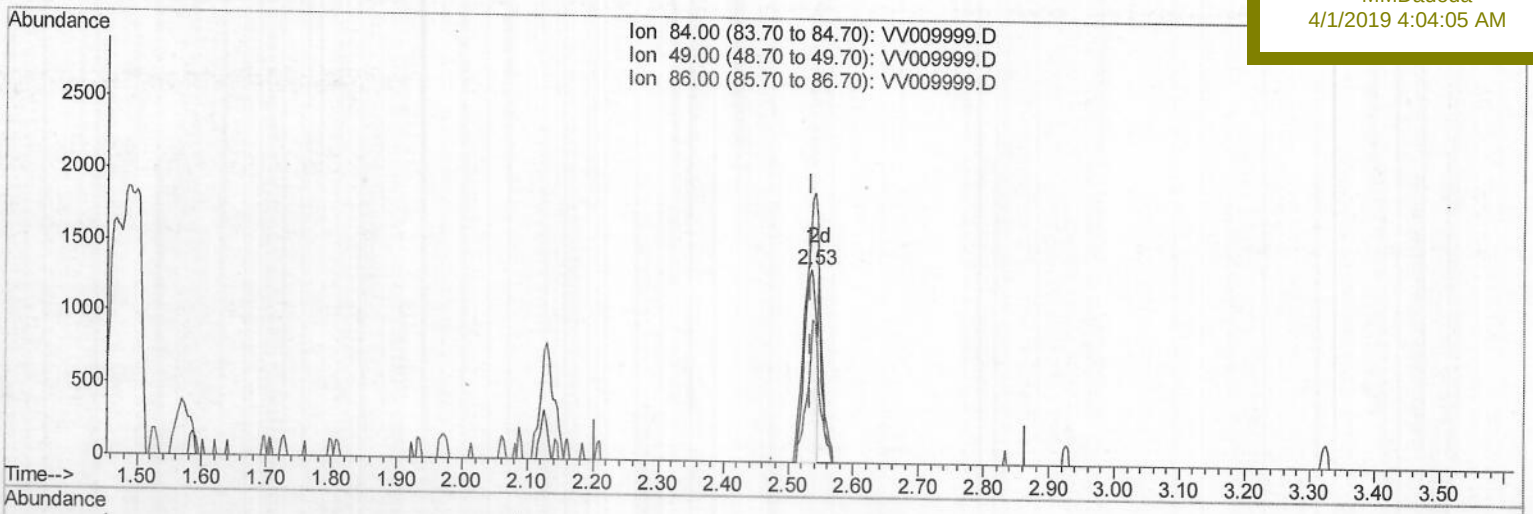

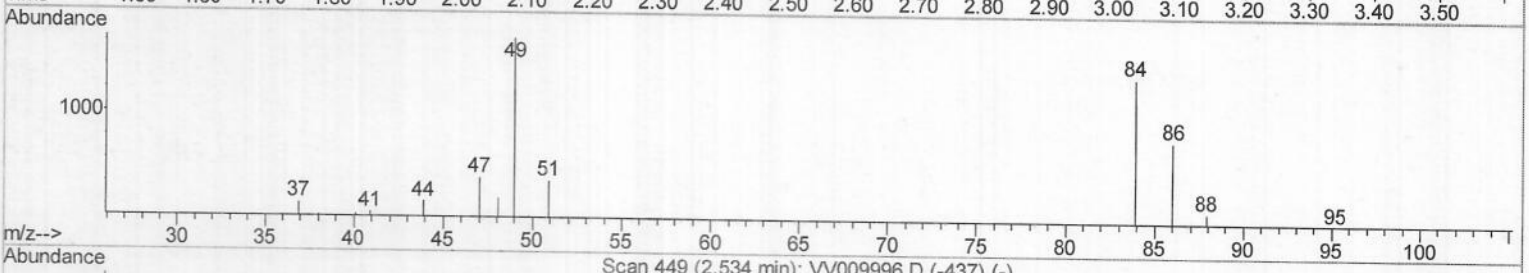

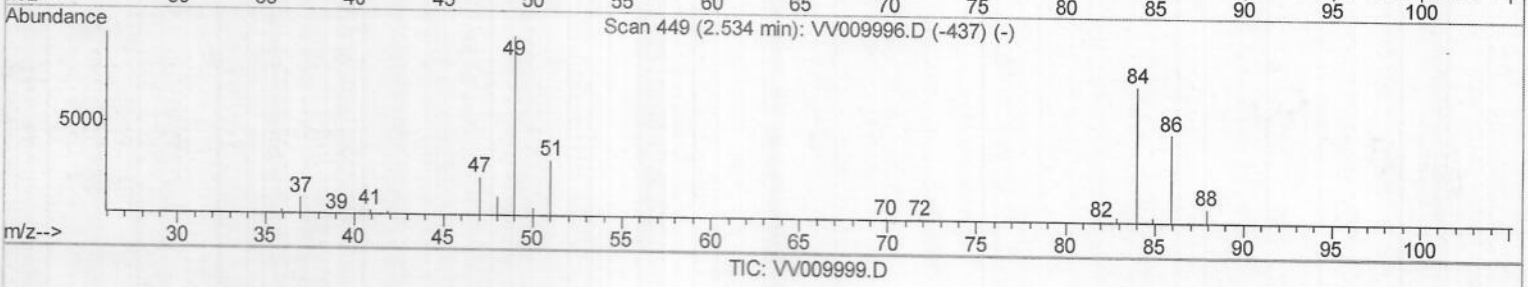

TIC: VV009999.D

(16) Methylene chloride (T)

2.534min (+0.000) 4.74ug/L

response 1674

Ion	Exp%	Act%
84.00	100	100
49.00	129.10	122.50
86.00	62.80	59.57
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

Data File : VV009999.D
Acq On : 29 Mar 2019 14:17
Operator : SY/MD
Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 04:16:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Manual Integrations APPROVED
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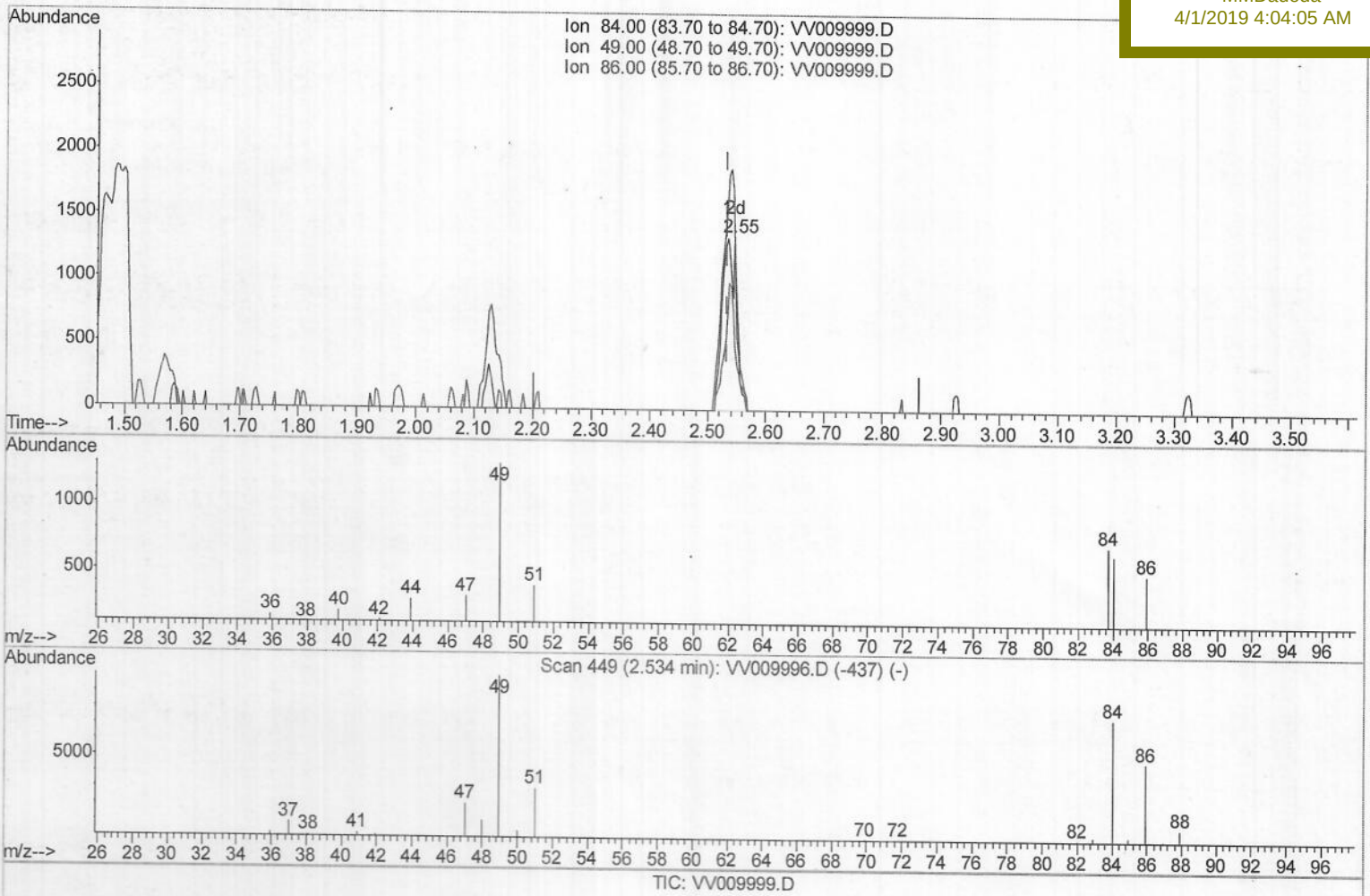

TIC: VV009999.D

(16) Methylene chloride (T)

2.547min (+0.013) 6.26ug/L m

response 2208

M.D 04/11/19

Ion	Exp%	Act%
84.00	100	100
49.00	129.10	184.18#
86.00	62.80	69.77
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

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Acq On : 29 Mar 2019 14:17
Operator : SY/MD
Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 04:16:25 2019
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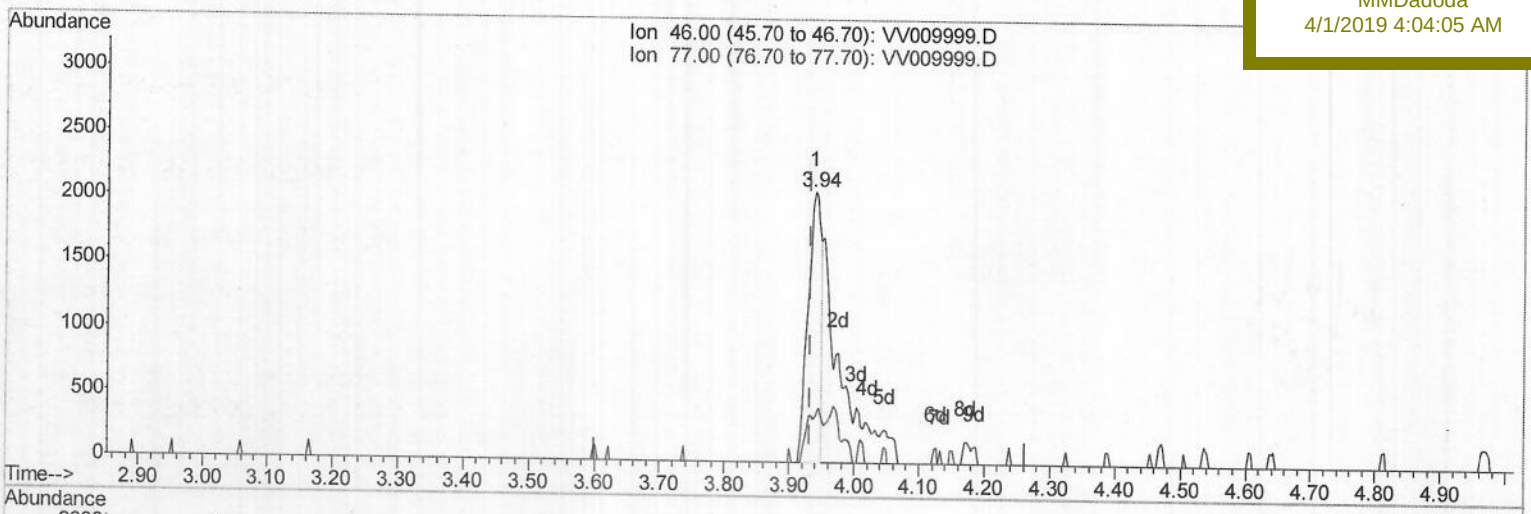
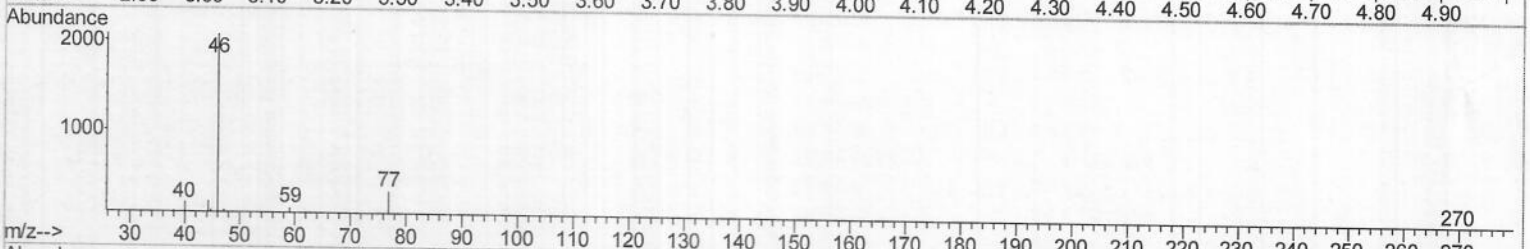
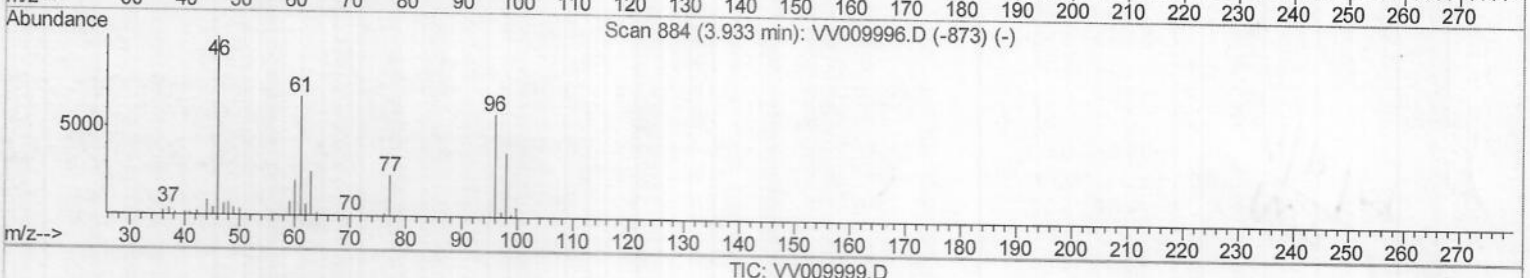
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Manual Integrations APPROVED
MMDadoda
4/1/2019 4:04:05 AM







TIC: VV009999.D

(20) 2-Butanone-d5 (S)

3.939min (+0.007) 35.91ug/L

response 2910

Ion	Exp%	Act%
46.00	100	100
77.00	23.10	10.21#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

Data File : VV009999.D
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Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
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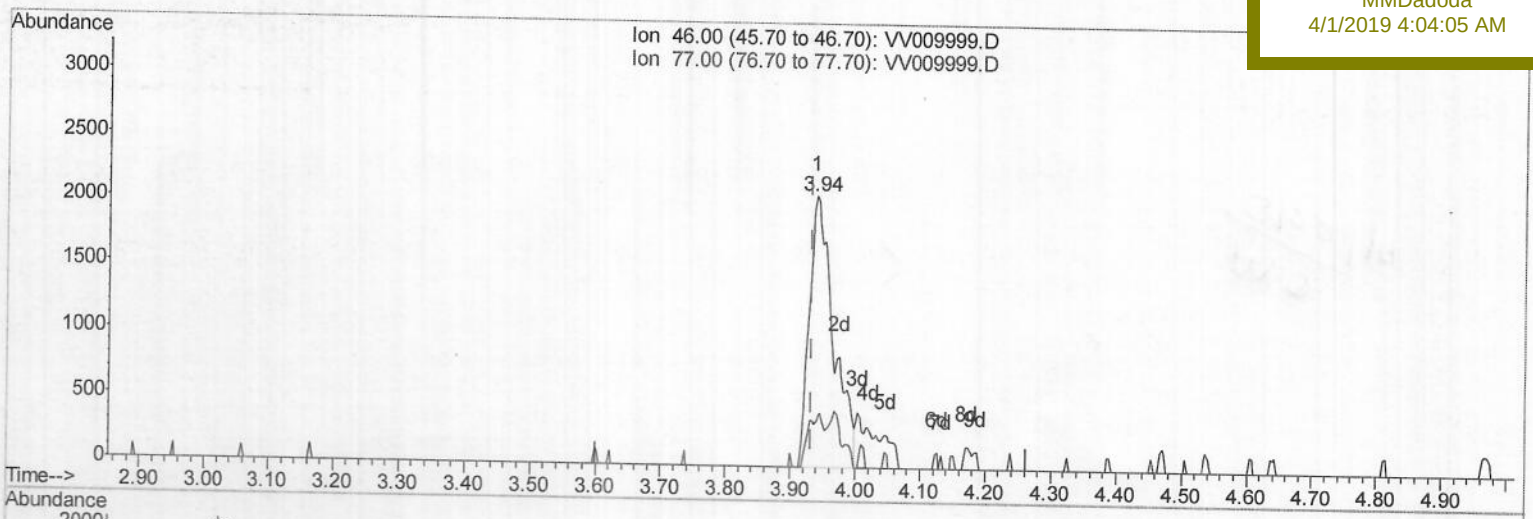
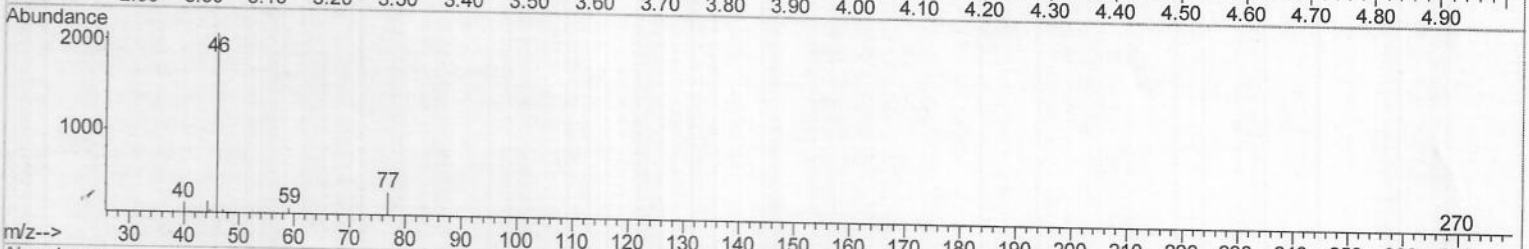
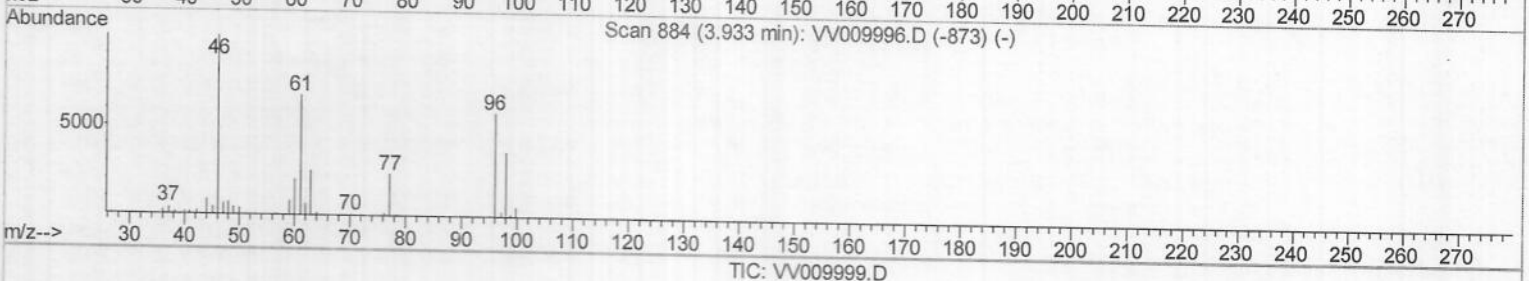
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Manual Integrations APPROVED
MMDadoda
4/1/2019 4:04:05 AM







TIC: VV009999.D

(20) 2-Butanone-d5 (S)

3.939min (+0.007) 65.90ug/L m

response 5341

Ion	Exp%	Act%
46.00	100	100
77.00	23.10	5.56#
0.00	0.00	0.00
0.00	0.00	0.00

M.D. 04/11/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

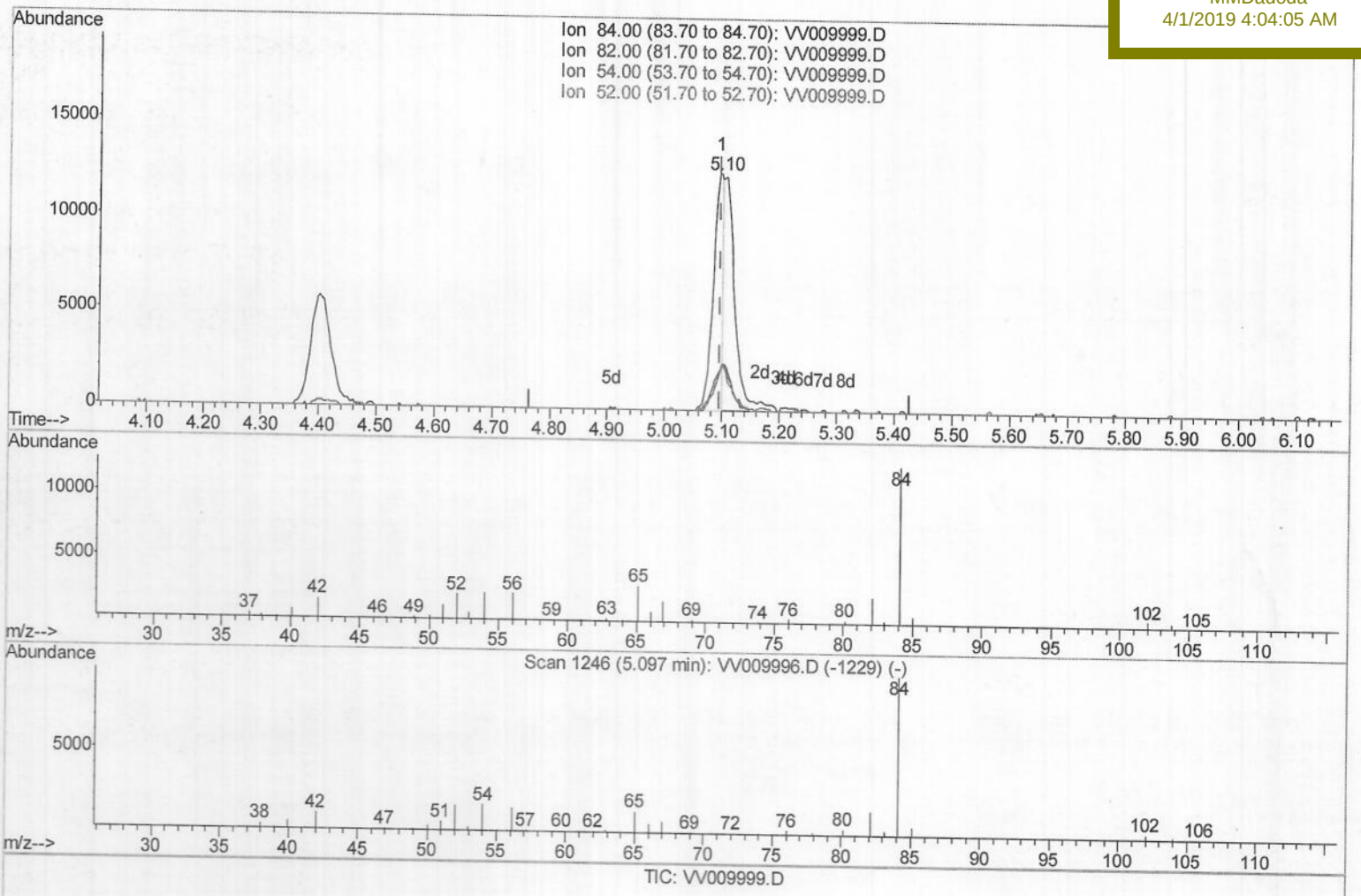
Data File : VV009999.D
Acq On : 29 Mar 2019 14:17
Operator : SY/MD
Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 04:16:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Manual Integrations APPROVED
MMDadoda
4/1/2019 4:04:05 AM



TIC: VV009999.D

(29) Benzene-d6 (S)

5.097min (+0.000) 15.60ug/L

response 14859

Ion	Exp%	Act%
84.00	100	100
82.00	15.30	32.80#
54.00	15.70	31.52#
52.00	17.00	31.15#

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

Data File : VV009999.D
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Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 30 04:16:25 2019
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Quant Title : VOC Analysis
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Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Manual Integrations APPROVED
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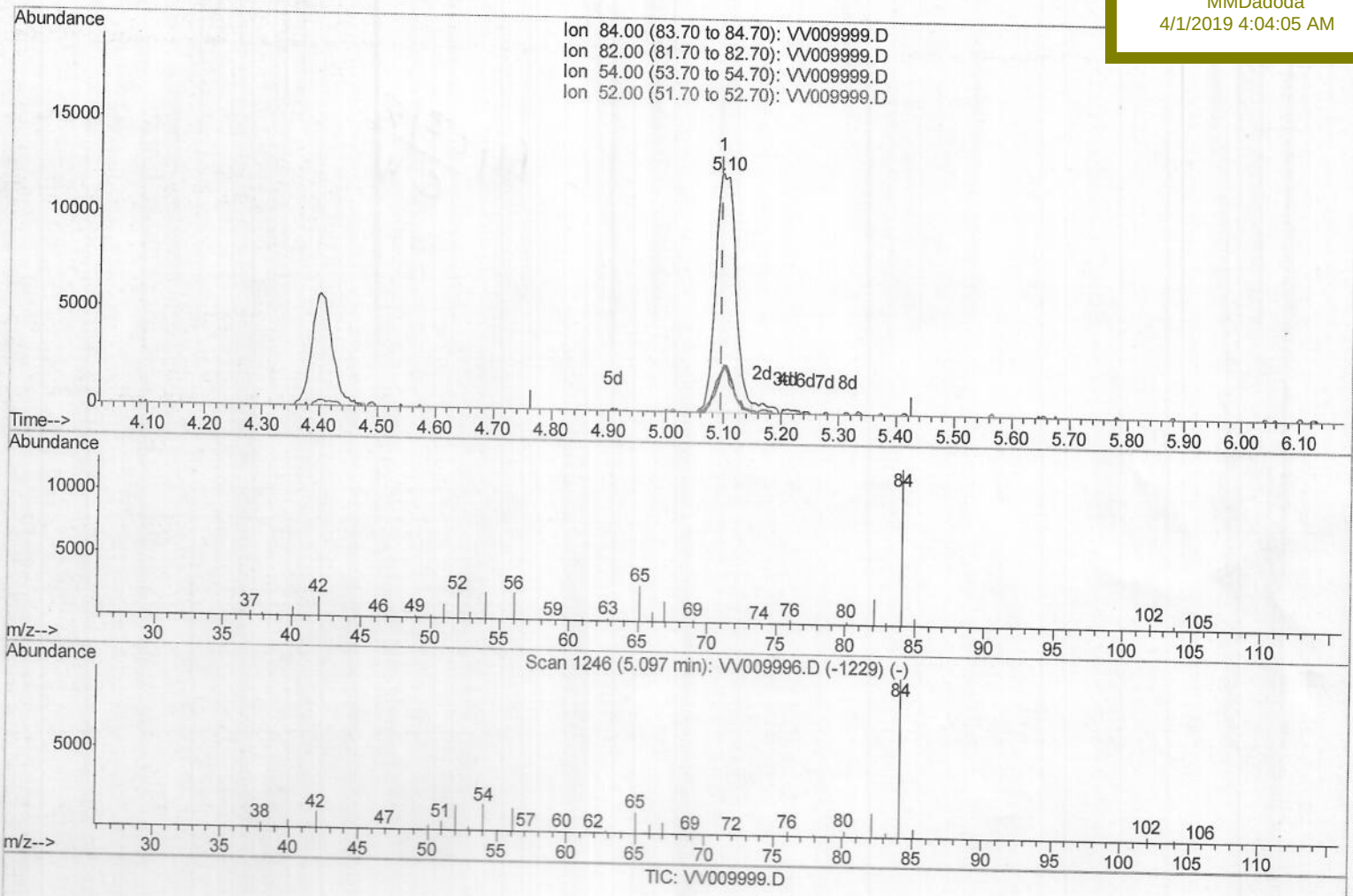
4/1/2019 4:04:05 AM



TIC: VV009999.D

(29) Benzene-d6 (S)

5.097min (+0.000) 31.52ug/L m

response 30014

M.D. 04/11/19

Ion	Exp%	Act%
84.00	100	100
82.00	15.30	16.24
54.00	15.70	15.61
52.00	17.00	15.42

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

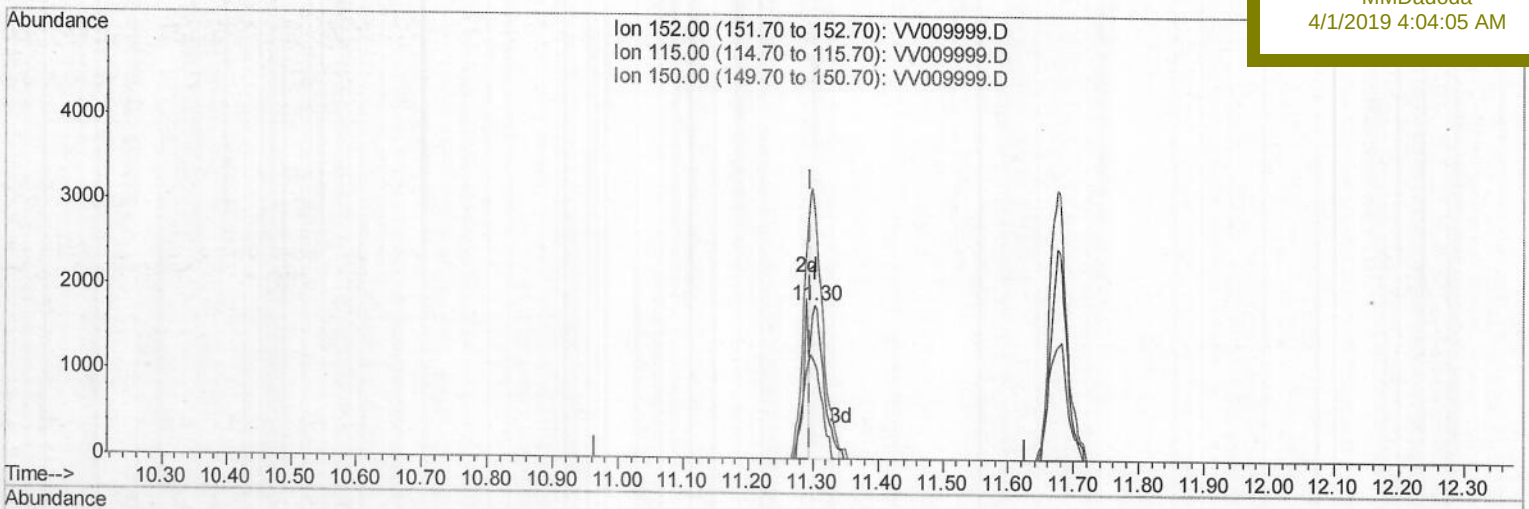
Data File : VV009999.D
Acq On : 29 Mar 2019 14:17
Operator : SY/MD
Sample : K2120-05RE

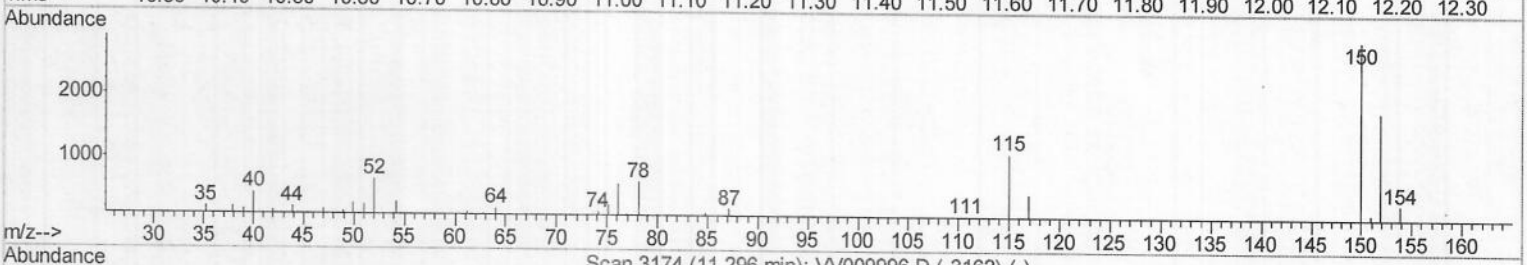
Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

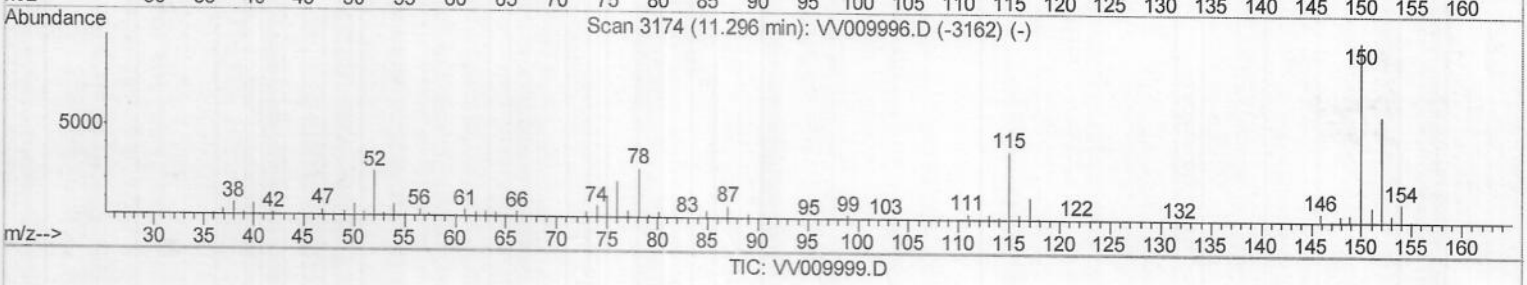
Quant Time: Mar 30 04:16:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Manual Integrations APPROVED
MMDadoda
4/1/2019 4:04:05 AM







TIC: VV009999.D

(60) 1,4-Dichlorobenzene-d4 (I)

11.302min (+0.007) 25.00ug/L

response 2523

Ion	Exp%	Act%
152.00	100	100
115.00	56.80	89.38
150.00	173.40	240.19
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (Qedit)

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Sample : K2120-05RE

Misc : 5.48G/10mL/MSVOA_V/SOIL
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Instrument :
MSVOA_V
ClientSampleId :
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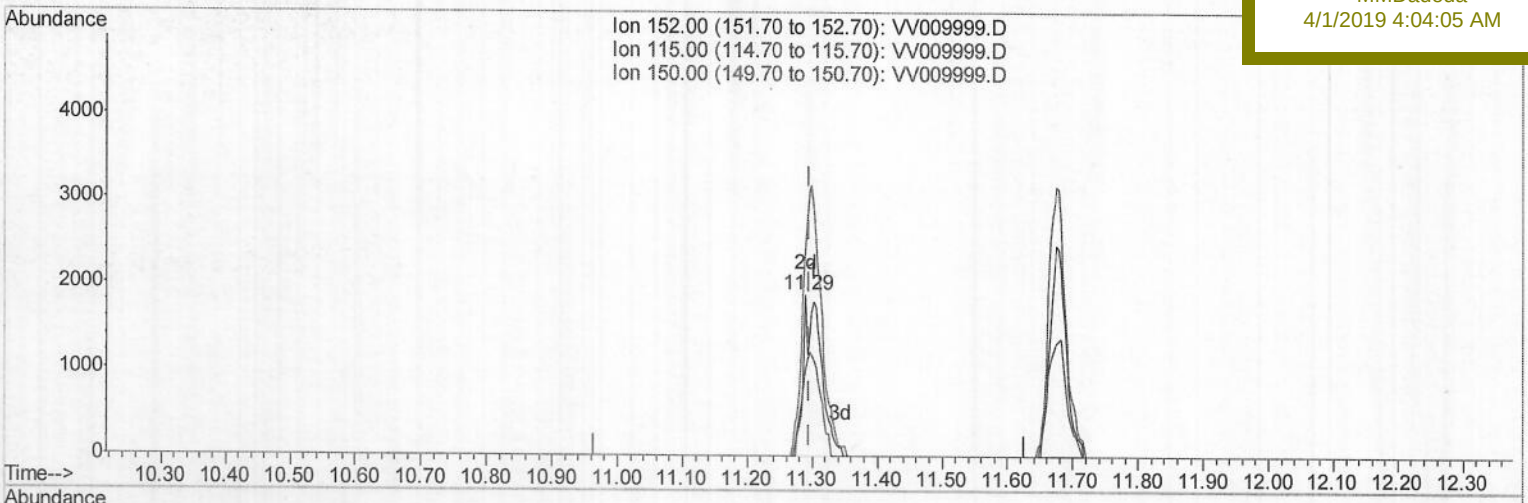
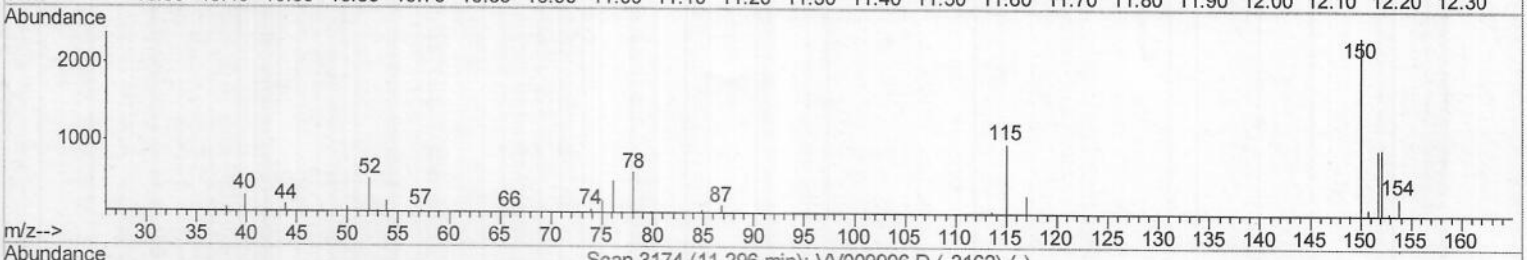
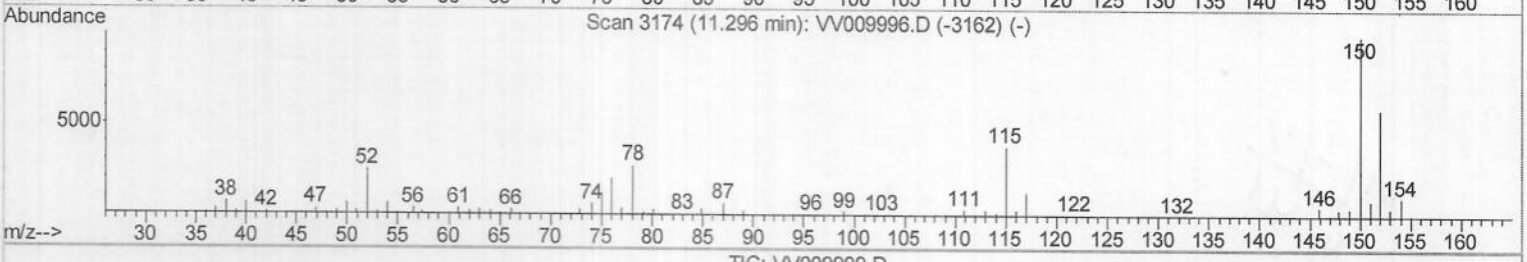
MMDadoda
4/1/2019 4:04:05 AM







TIC: VV009999.D

(60) 1,4-Dichlorobenzene-d4 (I)

11.289min (-0.006) 25.00ug/L m

response 3556

Ion	Exp%	Act%
152.00	100	100
115.00	56.80	63.41
150.00	173.40	170.42
0.00	0.00	0.00

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032919\

Quantitation Report (QT Reviewed)

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Instrument : MSVOA_V
ClientSampleId : BF5C8RE

Manual Integrations APPROVED
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4/1/2019 4:04:05 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	21432	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	18132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	3556m	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	11445	26.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 105.28%			
7) Chloroethane-d5	1.57	69	12799	27.25	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 109.00%			
10) 1,1-Dichloroethene-d2	2.13	63	23693	19.92	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 79.68%			
20) 2-Butanone-d5	3.94	46	5341m	65.90	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 131.80%			
24) Chloroform-d	4.40	84	14104	25.83	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 103.32%			
26) 1,2-Dichloroethane-d4	5.08	65	10379	31.58	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 126.32%			
29) Benzene-d6	5.10	84	30014m	31.52	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 126.08%			
33) 1,2-Dichloropropane-d6	6.12	67	9038	32.44	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 129.76%#			
37) Toluene-d8	7.36	98	21656	24.03	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.12%			
38) trans-1,3-Dichloropropene-	7.66	79	2652	23.27	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.08%			
39) 2-Hexanone-d5	8.14	63	2003	38.52	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 77.04%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	7275	26.38	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.52%			
61) 1,2-Dichlorobenzene-d4	11.68	152	4213	31.12	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 124.48%#			
Target Compounds						Qvalue
13) Acetone	2.19	43	2723	22.192	ug/L	87
16) Methylene chloride	2.55	84	2208m	6.256	ug/L	

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