Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\

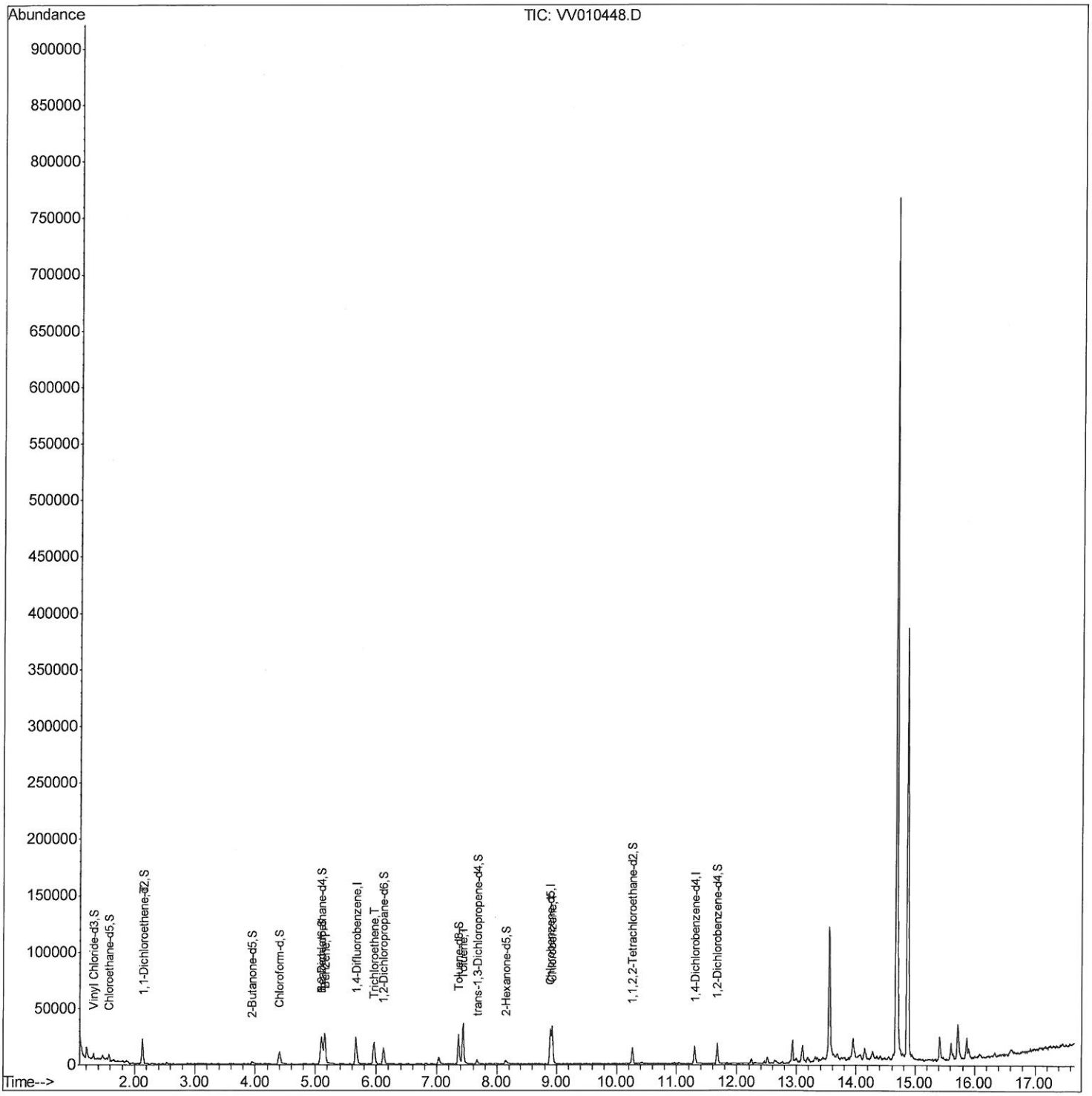
Quantitation Report (QT Reviewed)

Data File : VV010448.D
Acq On : 23 Apr 2019 10:55
Operator : SY/MD
Sample : K2481-08MS
Misc : 5.06G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 02:44:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
GAHW2

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:46 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\

Quantitation Report (Qedit)

Data File : VV010448.D
Acq On : 23 Apr 2019 10:55
Operator : SY/MD
Sample : K2481-08MS
Misc : 5.06G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 02:13:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations APPROVED
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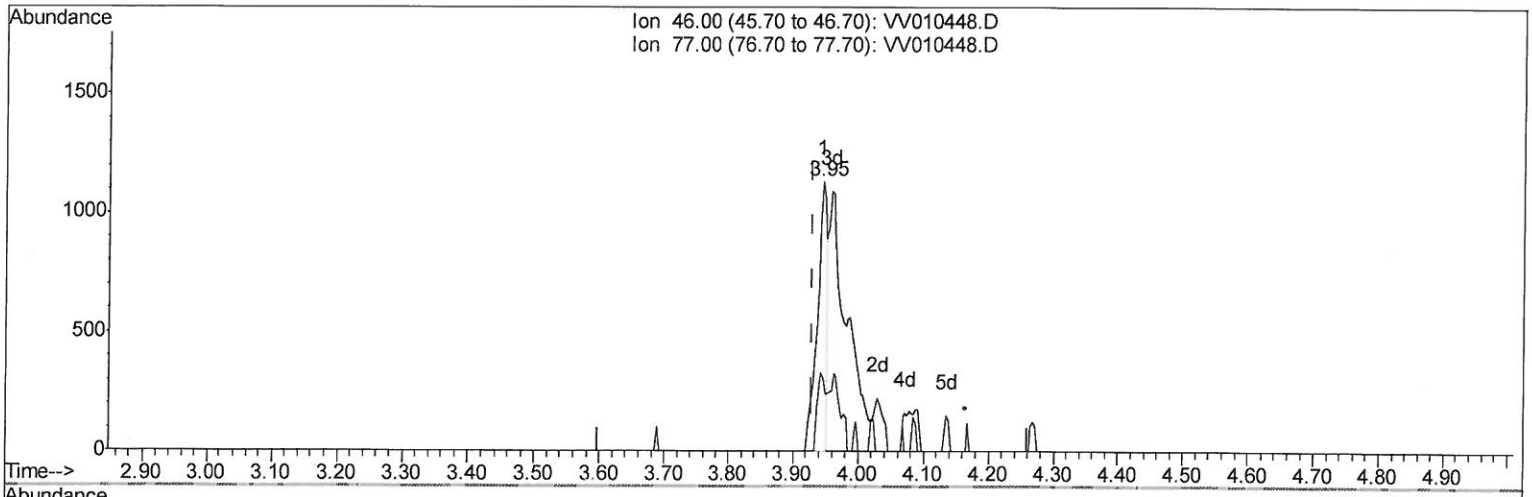

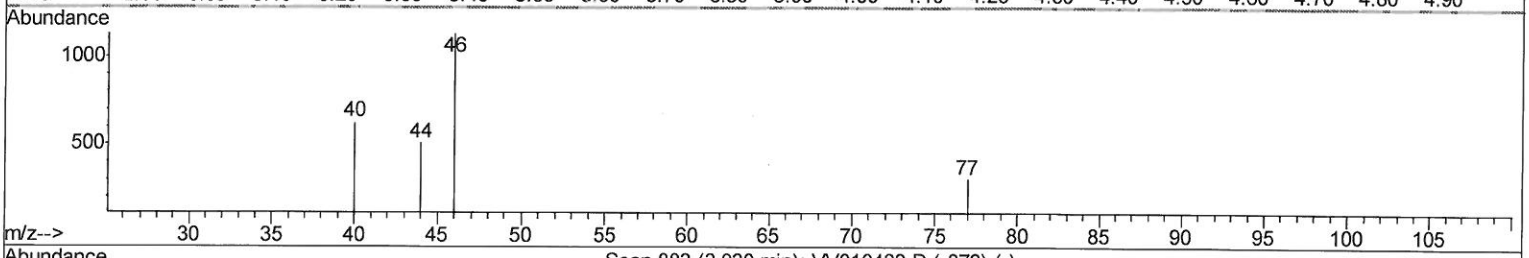

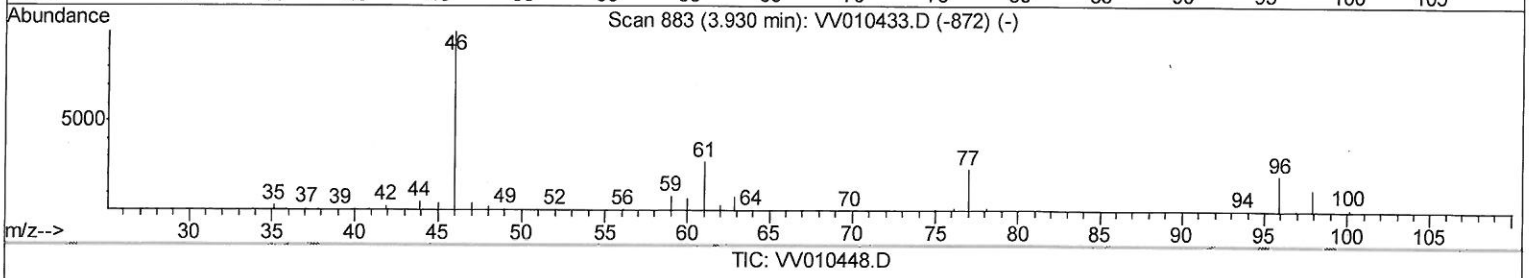

TIC: VV010448.D

(20) 2-Butanone-d5 (S)

3.946min (+0.016) 17.62ug/L

response 1195

Ion	Exp%	Act%
46.00	100	100
77.00	23.90	21.67
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\

Quantitation Report (Qedit)

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Manual Integrations APPROVED
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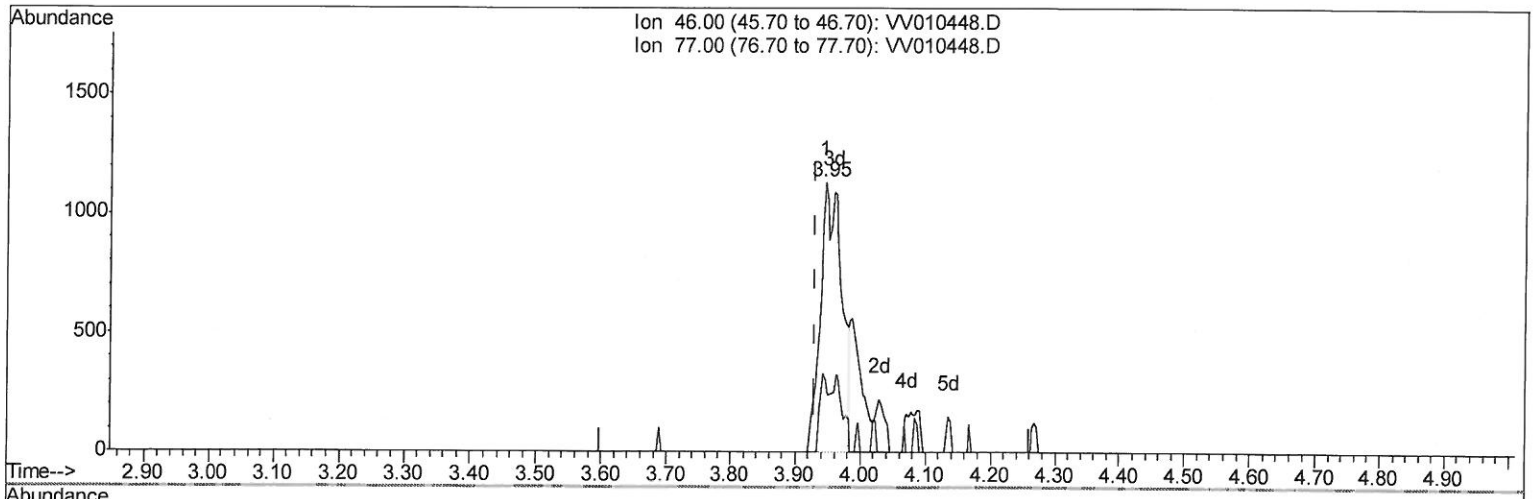
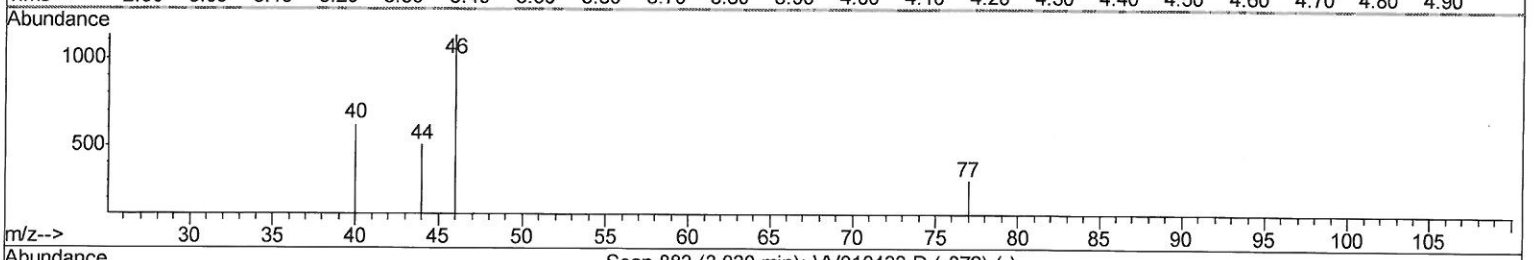
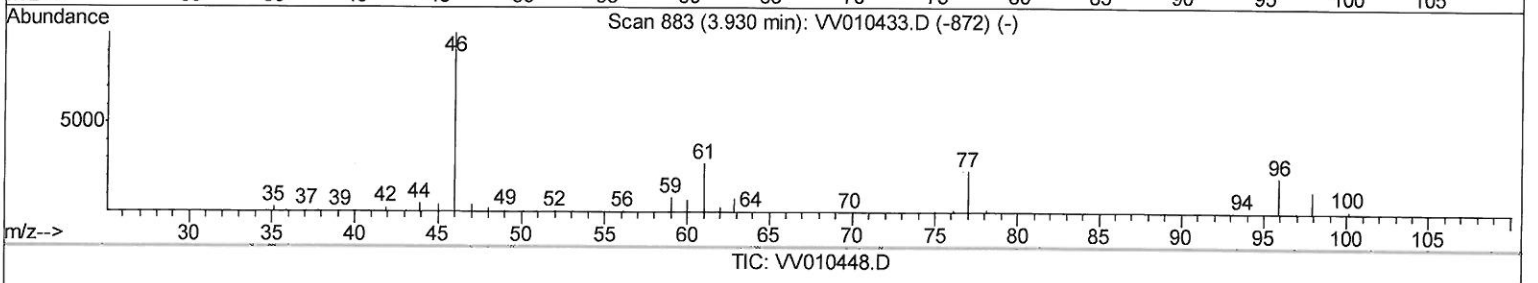
4/25/2019 9:20:46 AM







TIC: VV010448.D

(20) 2-Butanone-d5 (S)

3.946min (+0.016) 37.33ug/L m 04/28/19 by

response 2531

Ion	Exp%	Act%
46.00	100	100
77.00	23.90	10.23#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\

Quantitation Report (Qedit)

Data File : VV010448.D
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Operator : SY/MD
Sample : K2481-08MS
Misc : 5.06G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 02:13:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
GAHW2

Manual Integrations APPROVED
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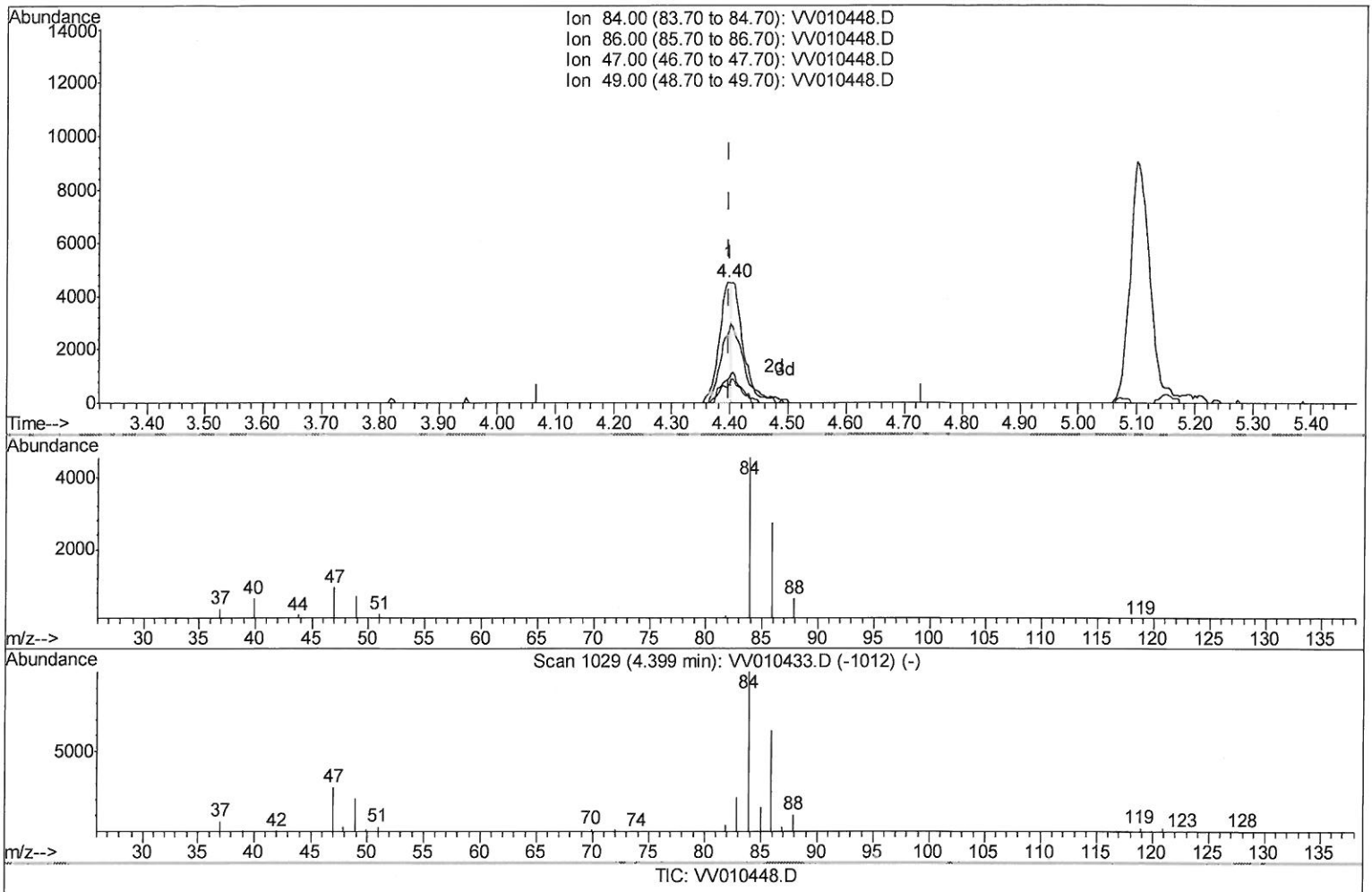

TIC: VV010448.D

(24) Chloroform-d (S)

4.399min (-0.000) 12.50ug/L

response 6428

Ion	Exp%	Act%
84.00	100	100
86.00	63.90	120.05#
47.00	45.40	39.50
49.00	26.50	18.26#

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\

Quantitation Report (Qedit)

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Operator : SY/MD
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Misc : 5.06G/10mL/MSVOA_V/SOIL
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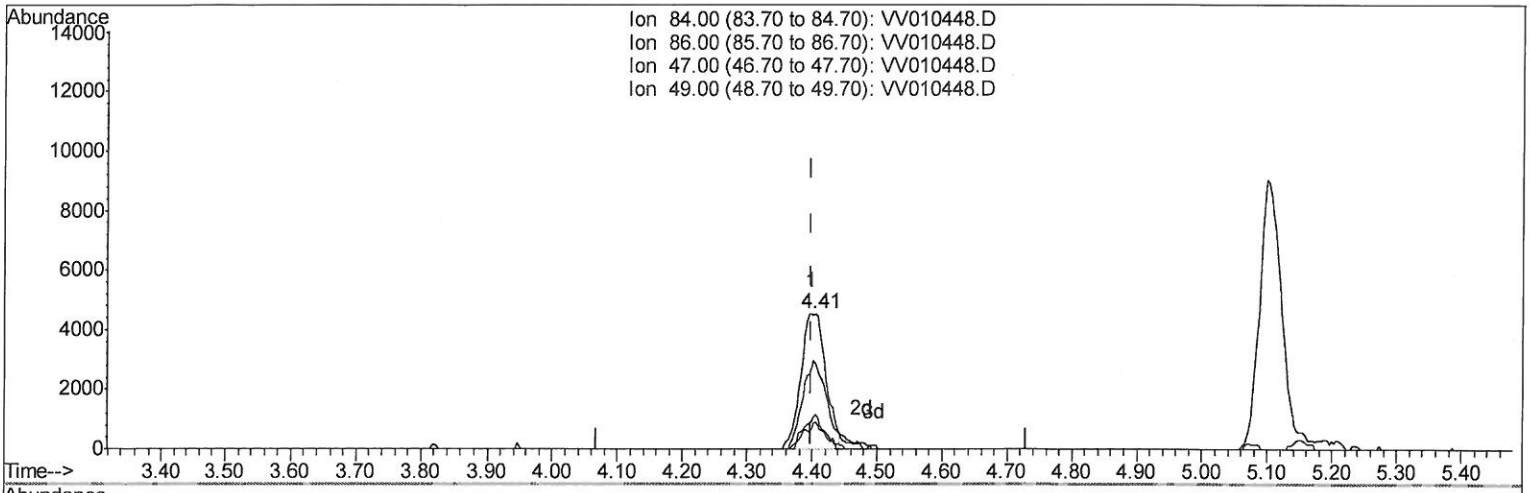
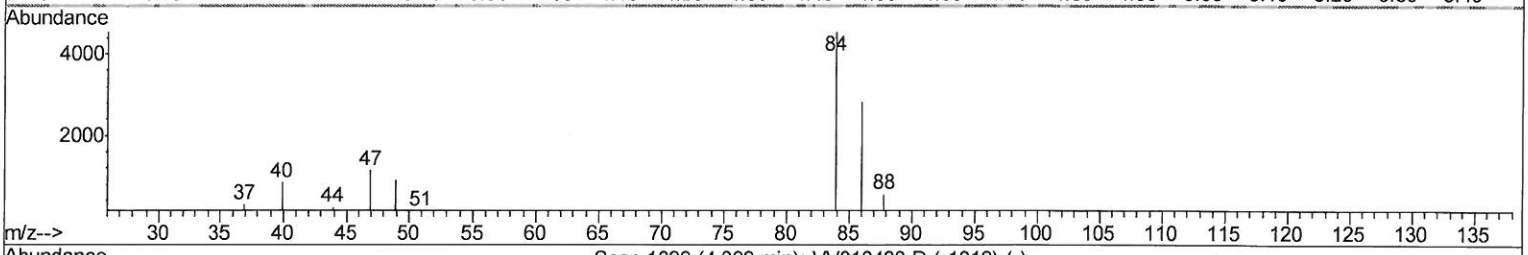
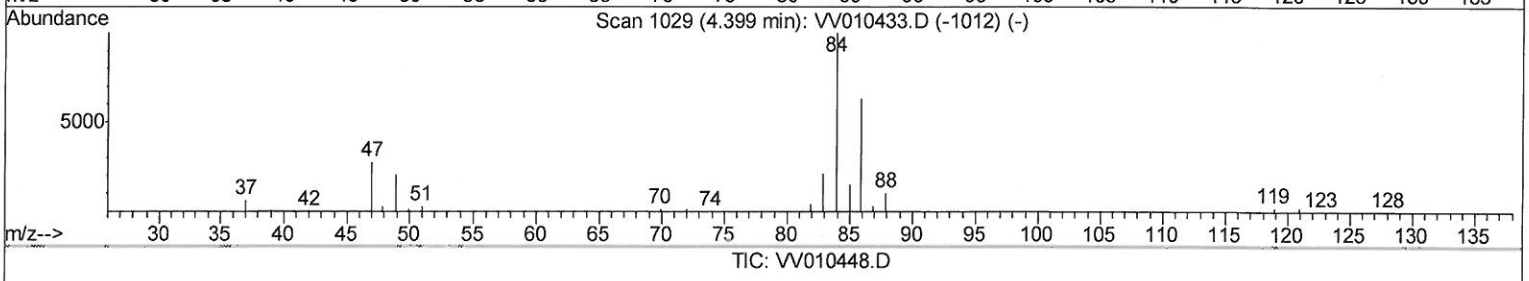
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
GAHW2

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:46 AM







TIC: VV010448.D

(24) Chloroform-d (S)

4.405min (+0.006) 23.36ug/L m

response 12016

Ion	Exp%	Act%
84.00	100	100
86.00	63.90	64.22
47.00	45.40	21.13#
49.00	26.50	9.77#

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042219\

Quantitation Report (QT Reviewed)

Data File : VV010448.D
Acq On : 23 Apr 2019 10:55
Operator : SY/MD
Sample : K2481-08MS
Misc : 5.06G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 02:44:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 02:09:39 2019
Response via : Initial Calibration

Instrument : MSVOA_V
ClientSampleId : GAHW2

Manual Integrations APPROVED
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4/25/2019 9:20:46 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	21048	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	18601	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	4258	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	2085	7.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 28.76%#			
7) Chloroethane-d5	1.58	69	3553	15.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 63.00%			
10) 1,1-Dichloroethene-d2	2.14	63	7024	12.97	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 51.88%			
20) 2-Butanone-d5	3.95	46	2531m	37.33	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.66%			
24) Chloroform-d	4.41	84	12016m	23.36	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.44%			
26) 1,2-Dichloroethane-d4	5.09	65	7506	23.79	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.16%			
29) Benzene-d6	5.10	84	20961	24.41	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.64%			
33) 1,2-Dichloropropane-d6	6.12	67	7218	28.50	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 114.00%			
37) Toluene-d8	7.36	98	19400	21.93	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 87.72%			
38) trans-1,3-Dichloropropene-	7.67	79	1843	14.77	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 59.08%			
39) 2-Hexanone-d5	8.14	63	1331	26.45	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 52.90%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	6704	27.16	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.64%			
61) 1,2-Dichlorobenzene-d4	11.68	152	5665	35.01	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 140.04%#			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.15	96	4805	18.129	ug/L #	80
34) Benzene	5.15	78	26595	32.346	ug/L	100
35) Trichloroethene	5.96	95	7198	28.868	ug/L #	80
44) Toluene	7.43	91	30093	30.287	ug/L	99
52) Chlorobenzene	8.93	112	17145	24.613	ug/L	98

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

04/28/19 SY