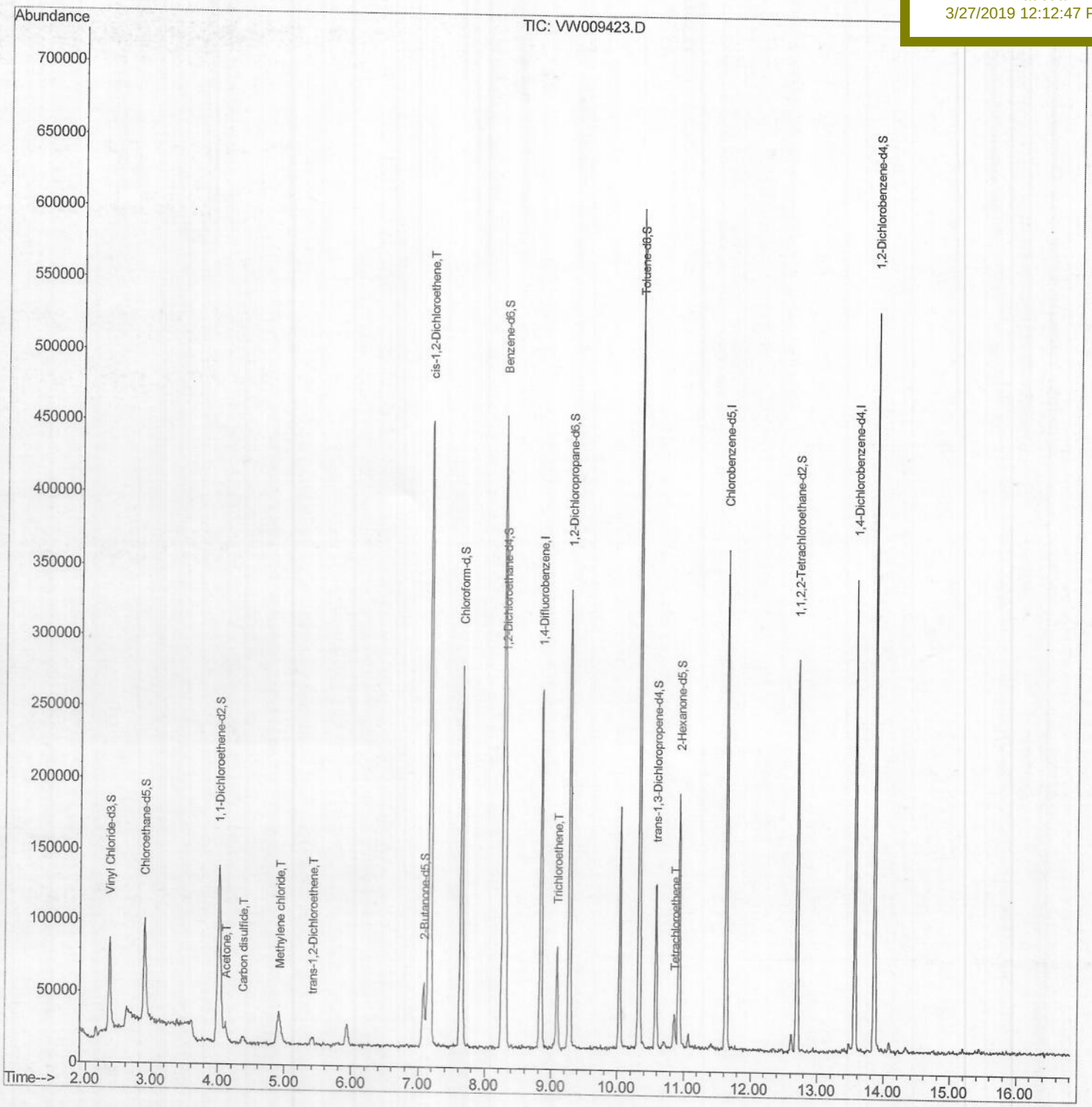
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 08:38:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM



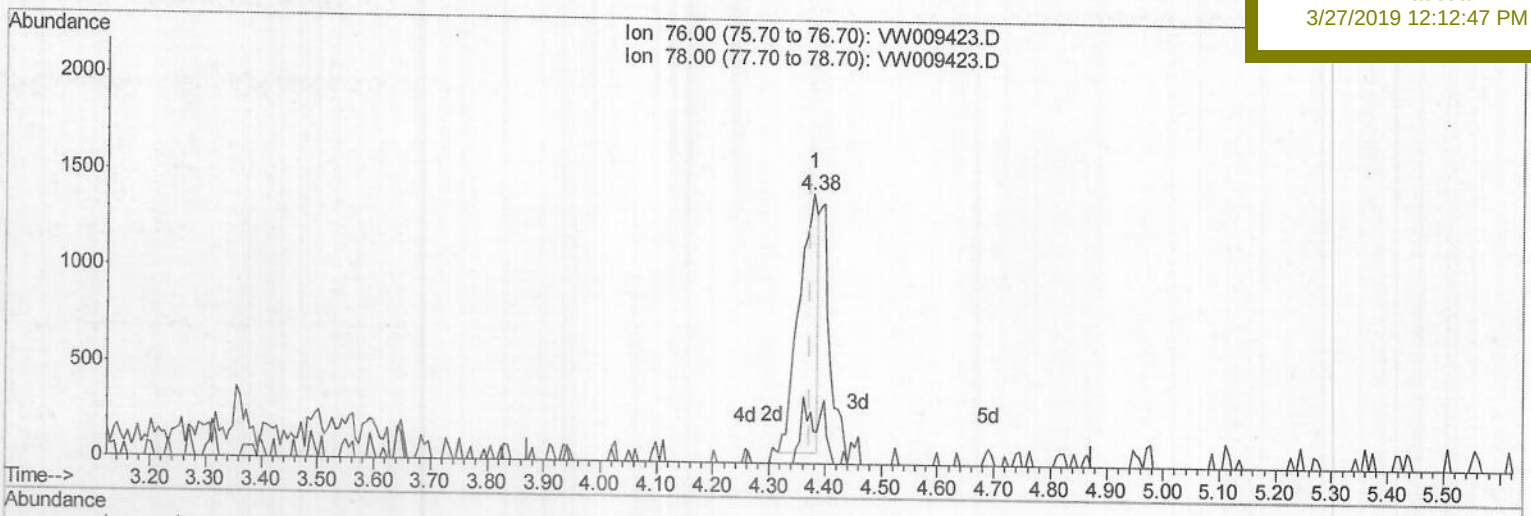
Quantitation Report (Qedit)

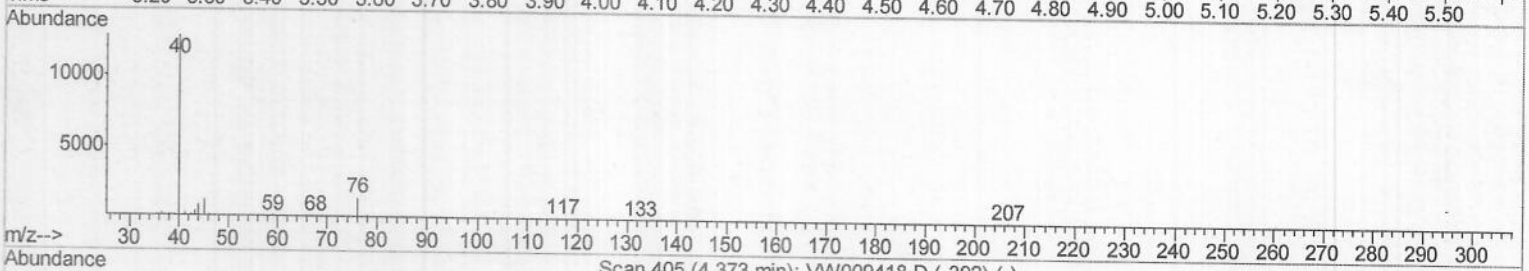
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

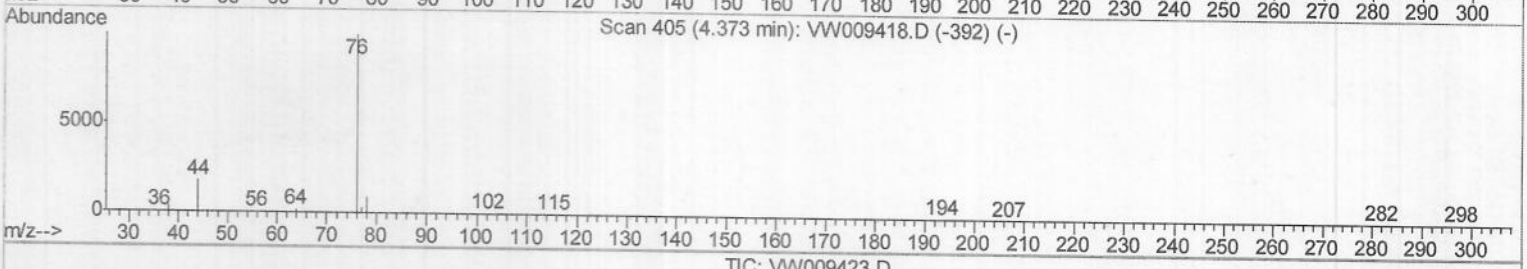
Quant Time: Mar 26 07:50:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM







TIC: VW009423.D

(14) Carbon disulfide (T)

4.379min (+0.006) 0.48ug/L

response 3173

Ion	Exp%	Act%
76.00	100	100
78.00	9.10	17.46#
0.00	0.00	0.00
0.00	0.00	0.00

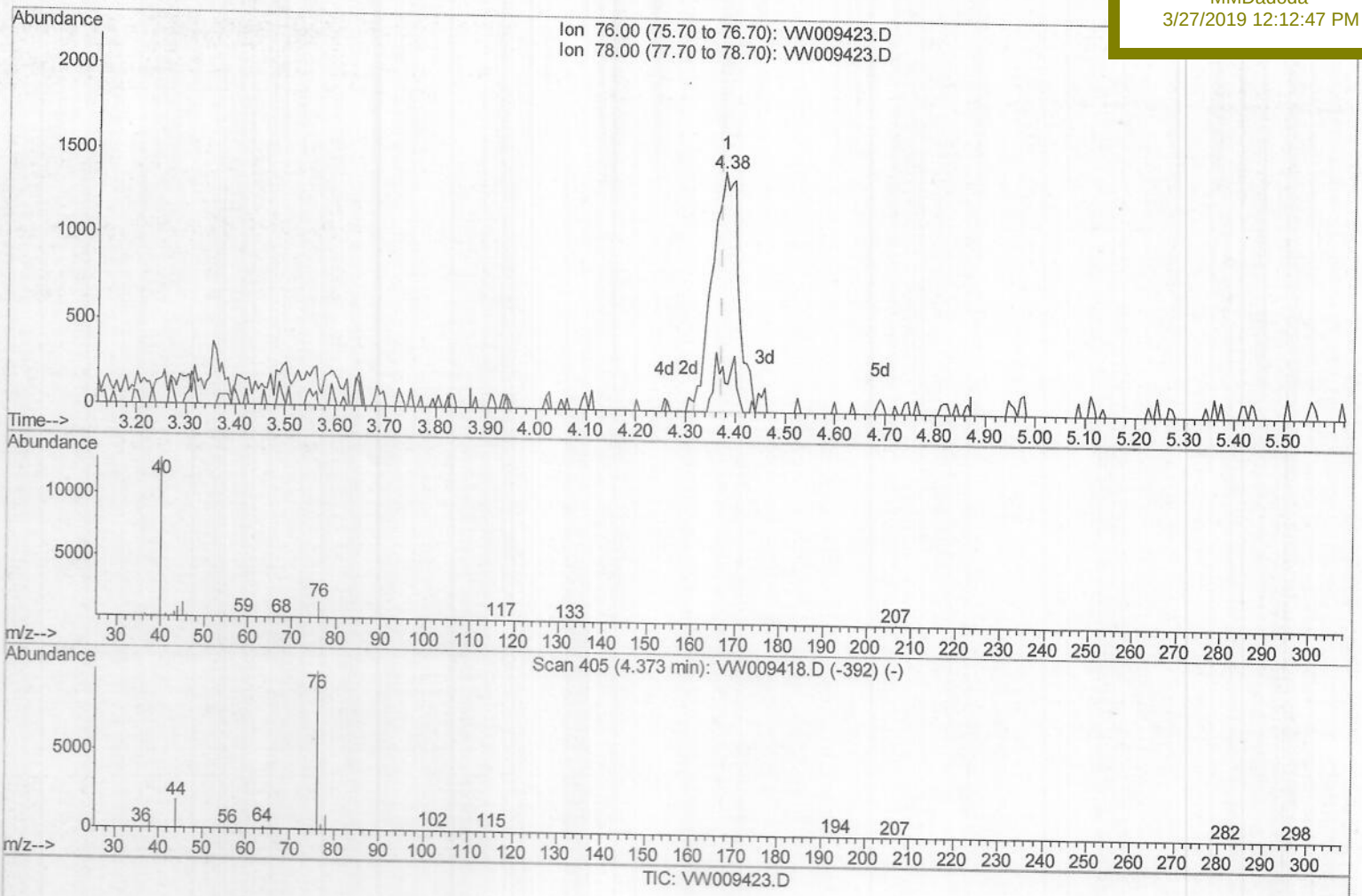
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 07:50:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM



TIC: VW009423.D

(14) Carbon disulfide (T)

4.379min (+0.006) 0.79ug/L m

04/01/19
SY

response 5191

Ion	Exp%	Act%
76.00	100	100
78.00	9.10	12.33#
0.00	0.00	0.00
0.00	0.00	0.00

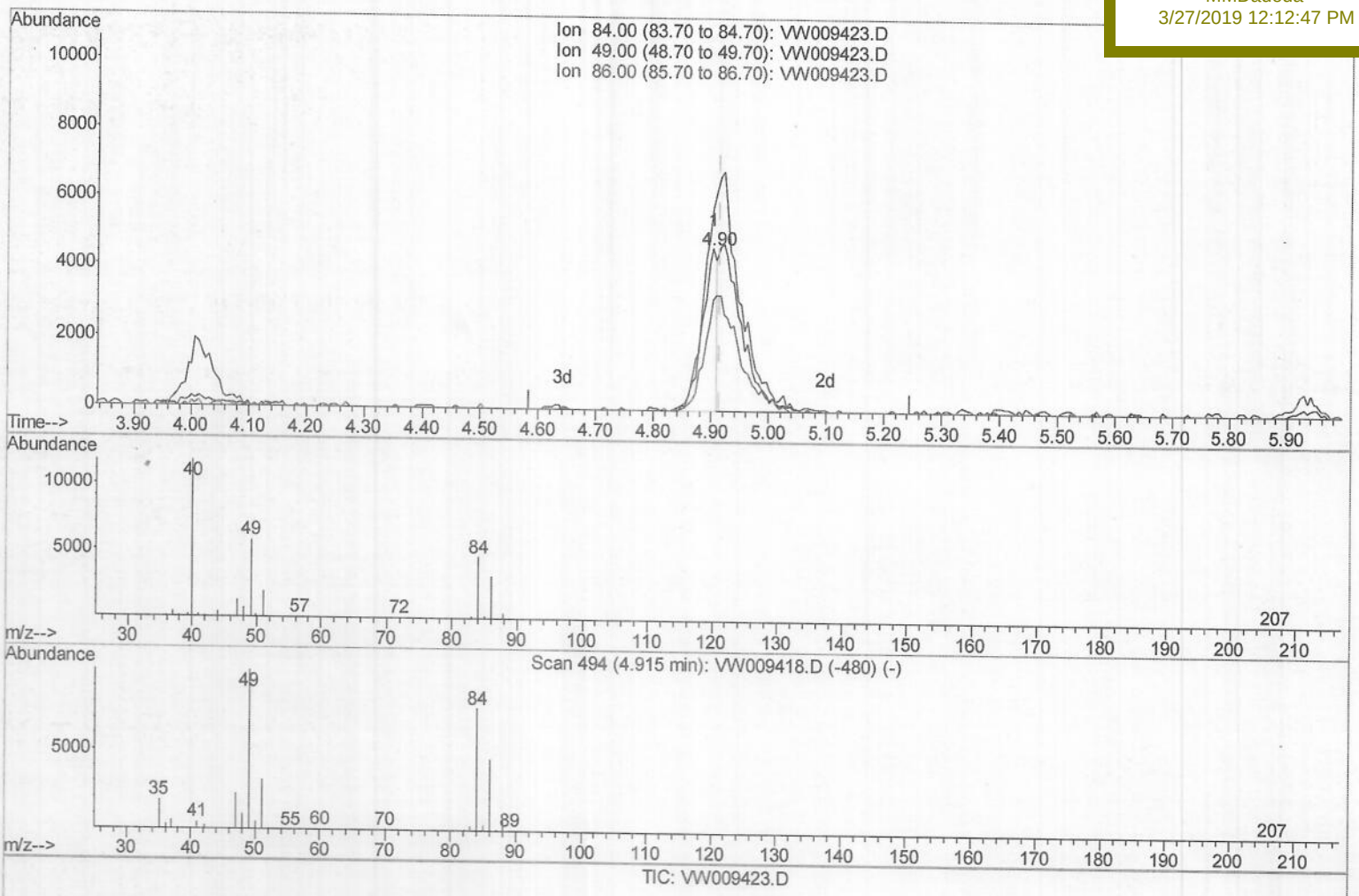
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 07:50:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM



(16) Methylene chloride (T)

4.903min (-0.012) 2.93ug/L

response 8434

Ion	Exp%	Act%
84.00	100	100
49.00	137.10	125.40
86.00	63.50	68.49
0.00	0.00	0.00

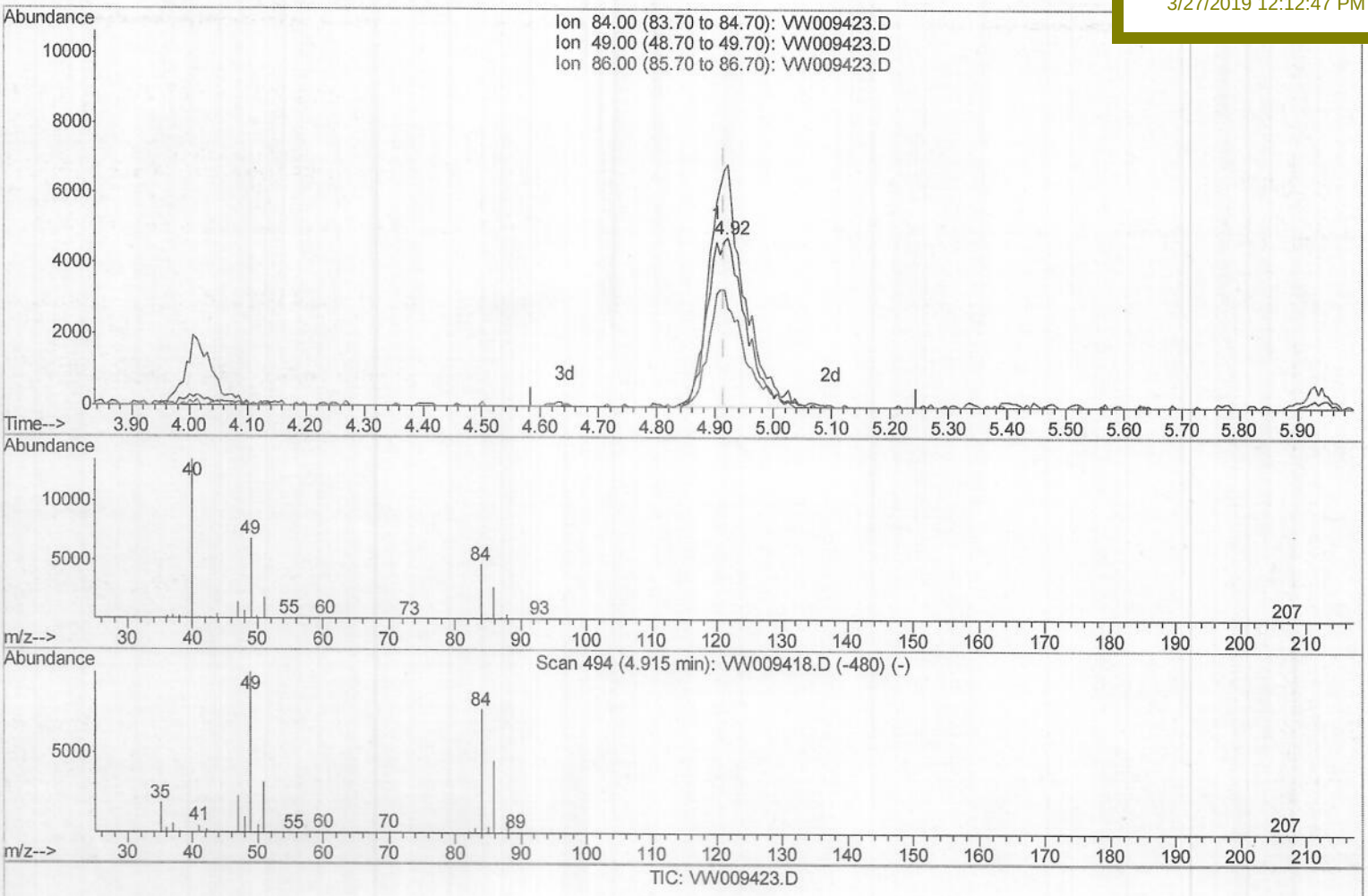
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 07:50:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM



TIC: VW009423.D

(16) Methylene chloride (T)

4.922min (+0.006) 7.41ug/L m

response 21335

Ion	Exp%	Act%
84.00	100	100
49.00	137.10	145.13
86.00	63.50	58.35
0.00	0.00	0.00

04/02/19
SY

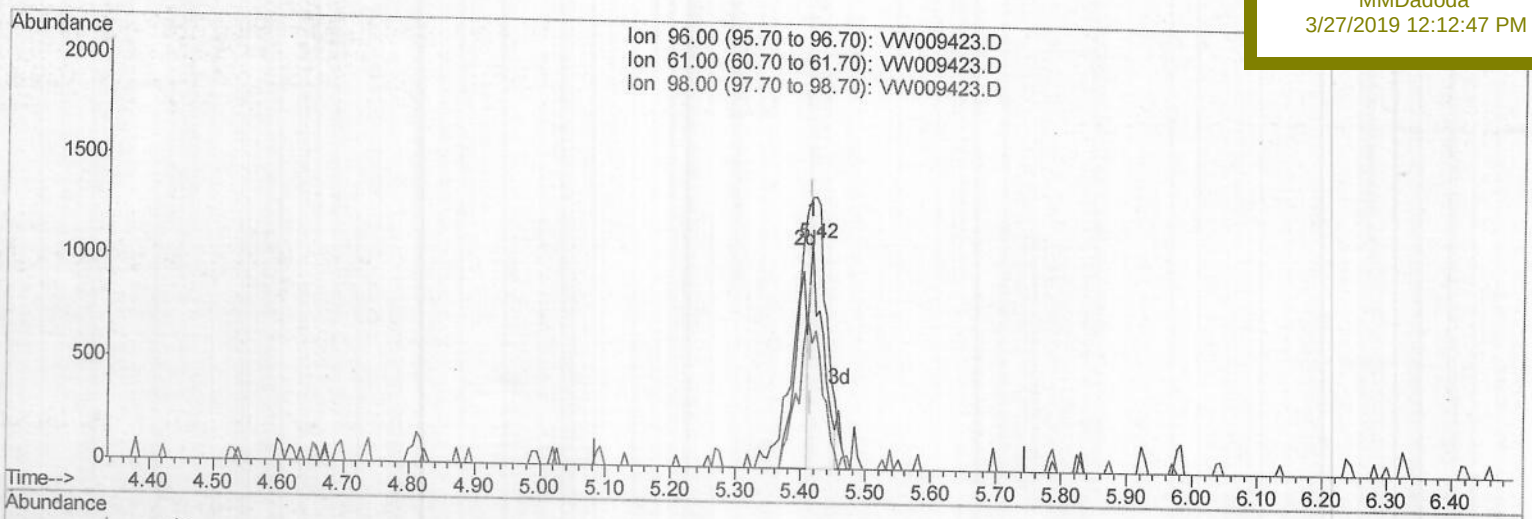
Quantitation Report (Qedit)

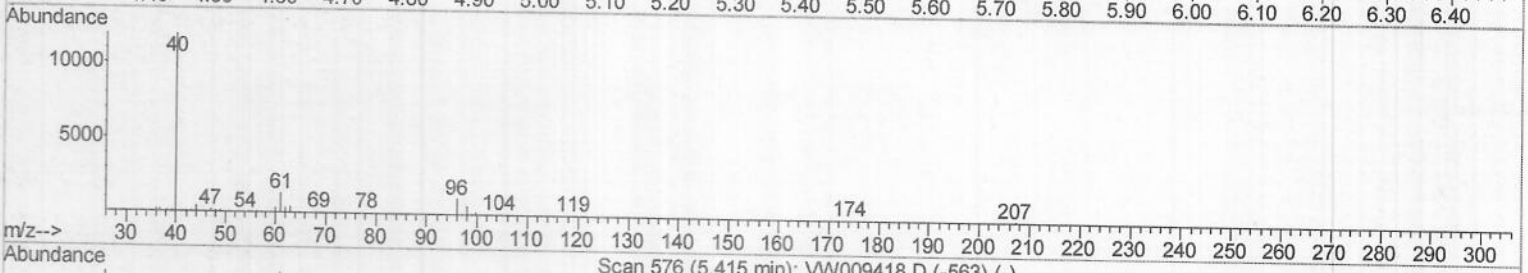
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

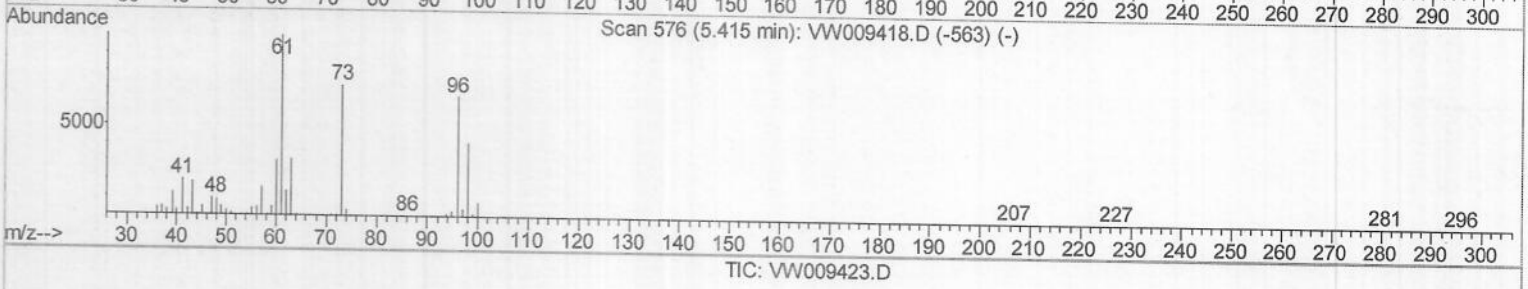
Quant Time: Mar 26 07:50:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM







TIC: VW009423.D

(18) trans-1,2-Dichloroethene (T)

5.415min (+0.000) 0.59ug/L

response 1510

Ion	Exp%	Act%
96.00	100	100
61.00	138.10	120.35
98.00	62.60	55.50
0.00	0.00	0.00

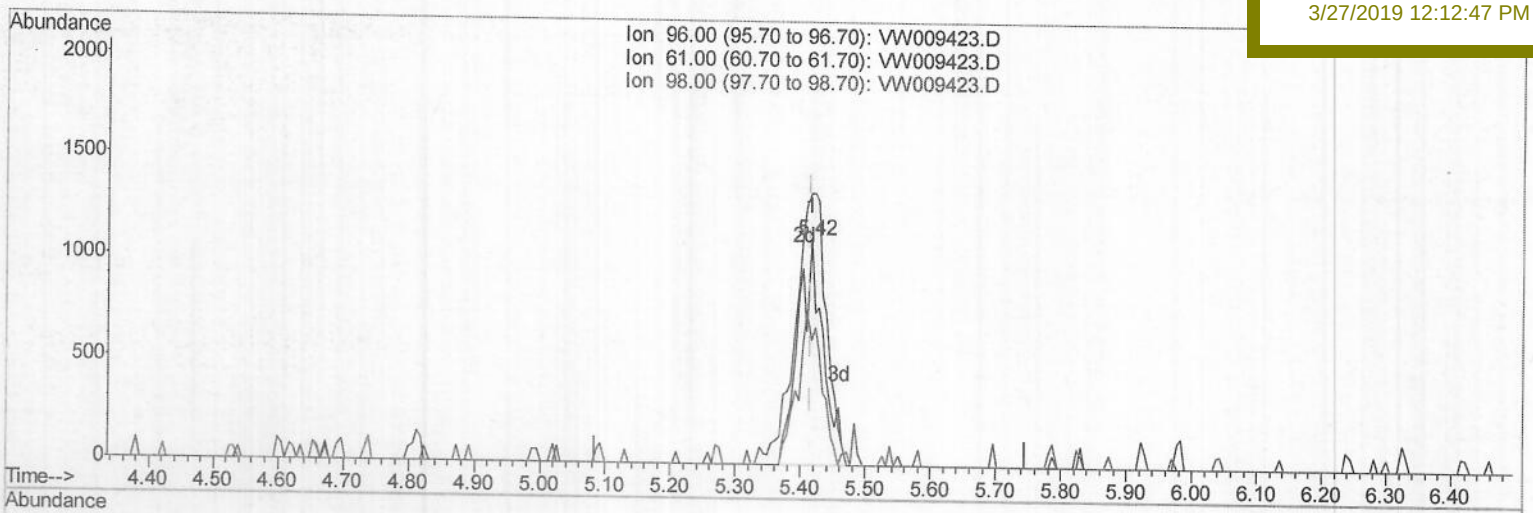
Quantitation Report (Qedit)

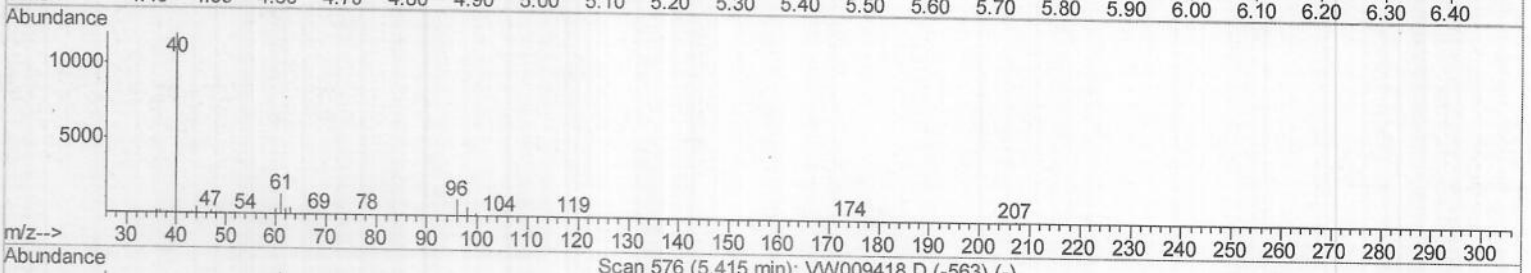
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

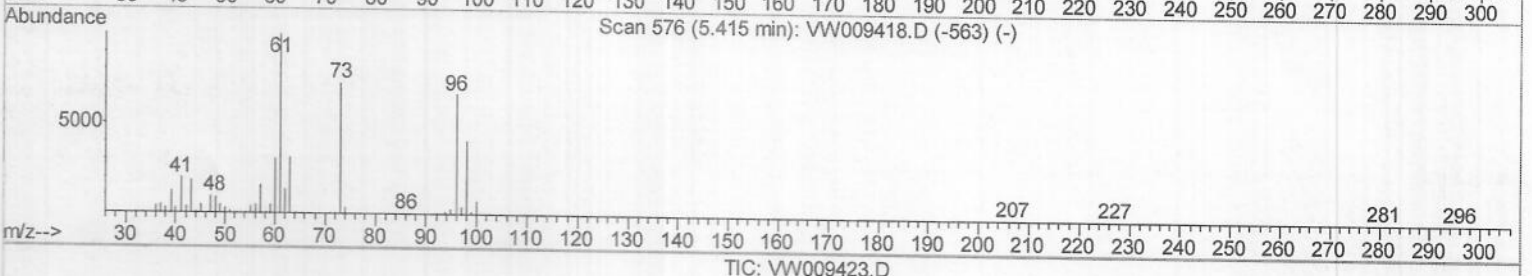
Quant Time: Mar 26 07:50:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM







TIC: VW009423.D

(18) trans-1,2-Dichloroethene (T)

5.415min (+0.000) 1.16ug/L m SY 04/02/19

response 2964

Ion	Exp%	Act%
96.00	100	100
61.00	138.10	120.35
98.00	62.60	55.50
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032519\
Data File : VW009423.D
Acq On : 25 Mar 2019 12:56
Operator : SY/VA
Sample : K1988-09RE
Misc : 5.22G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 08:38:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:46:05 2019
Response via : Initial Calibration

Instrument : MSVOA_W
ClientSampleId : BF0C0RE

Manual Integrations APPROVED
MMDadoda
3/27/2019 12:12:47 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	197522	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	187114	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	77486	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	92043	38.99	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 155.96%#			
7) Chloroethane-d5	2.89	69	96578	34.97	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 139.88%			
10) 1,1-Dichloroethene-d2	4.01	63	152413	29.88	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 119.52%#			
20) 2-Butanone-d5	7.08	46	74165	75.98	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 151.96%#			
24) Chloroform-d	7.64	84	239356	44.40	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 177.60%#			
26) 1,2-Dichloroethane-d4	8.31	65	139871	43.07	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 172.28%#			
29) Benzene-d6	8.27	84	427120	41.39	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 165.56%#			
33) 1,2-Dichloropropane-d6	9.27	67	134187	43.29	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 173.16%#			
37) Toluene-d8	10.32	98	365130	38.27	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 153.08%#			
38) trans-1,3-Dichloropropene-	10.58	79	57598	37.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 148.00%#			
39) 2-Hexanone-d5	10.93	63	52837	70.39	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 140.78%#			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120472	39.47	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 157.88%#			
61) 1,2-Dichlorobenzene-d4	13.86	152	130864	44.04	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 176.16%#			
Target Compounds						Qvalue
13) Acetone	4.12	43	17569	21.947	ug/L	96
14) Carbon disulfide	4.38	76	5191m	0.793	ug/L	
16) Methylene chloride	4.92	84	21335m	7.407	ug/L	
18) trans-1,2-Dichloroethene	5.42	96	2964m	1.159	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	248977	89.875	ug/L	98
35) Trichloroethene	9.09	95	20820	7.629	ug/L	96
47) Tetrachloroethene	10.86	164	4227	1.833	ug/L	89

SY 04/01/19

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