Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

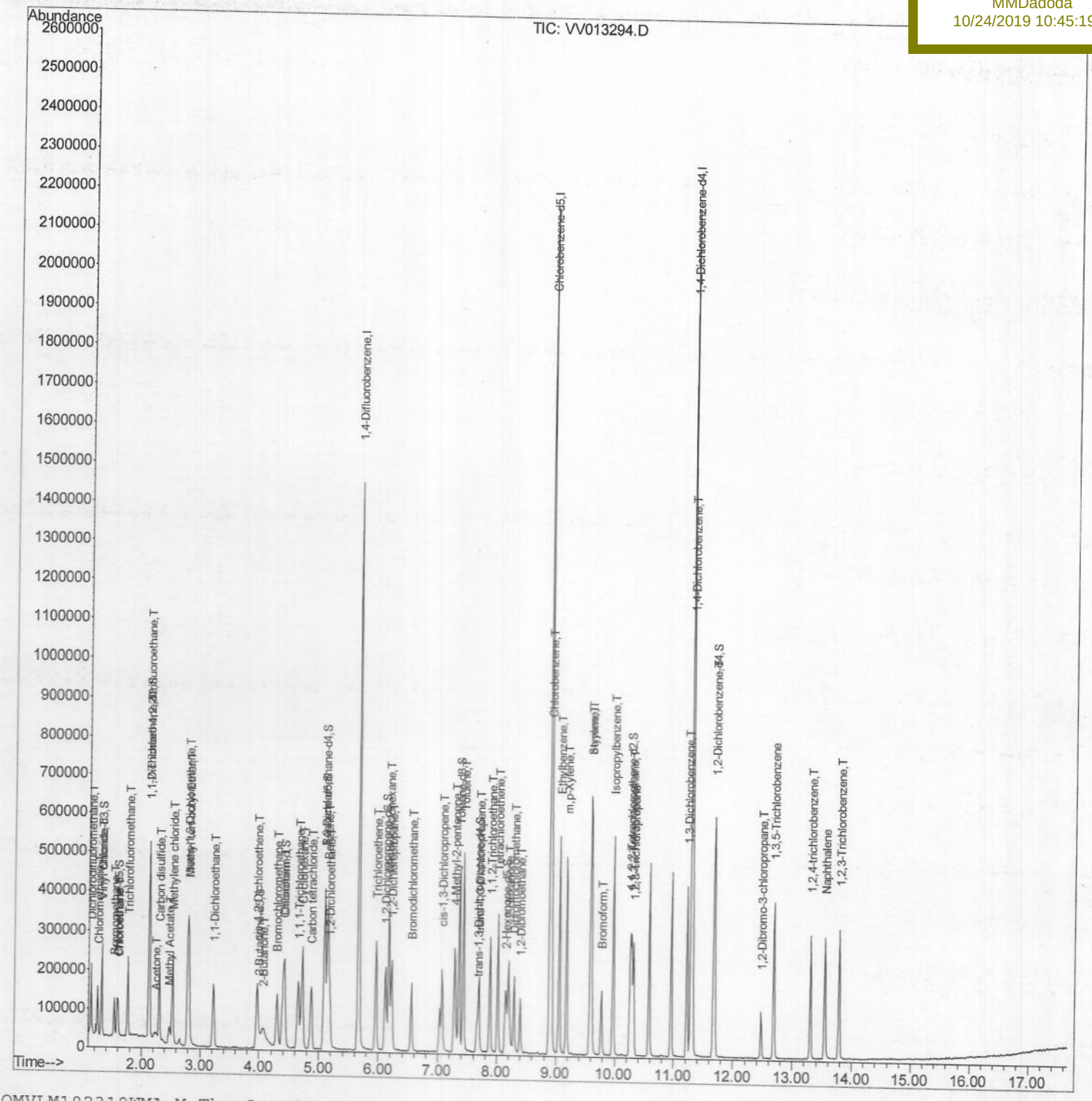
Quantitation Report (QT Reviewed)

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:34:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM



SOMVLM102319WMA.M Thu Oct 24 02:32:37 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

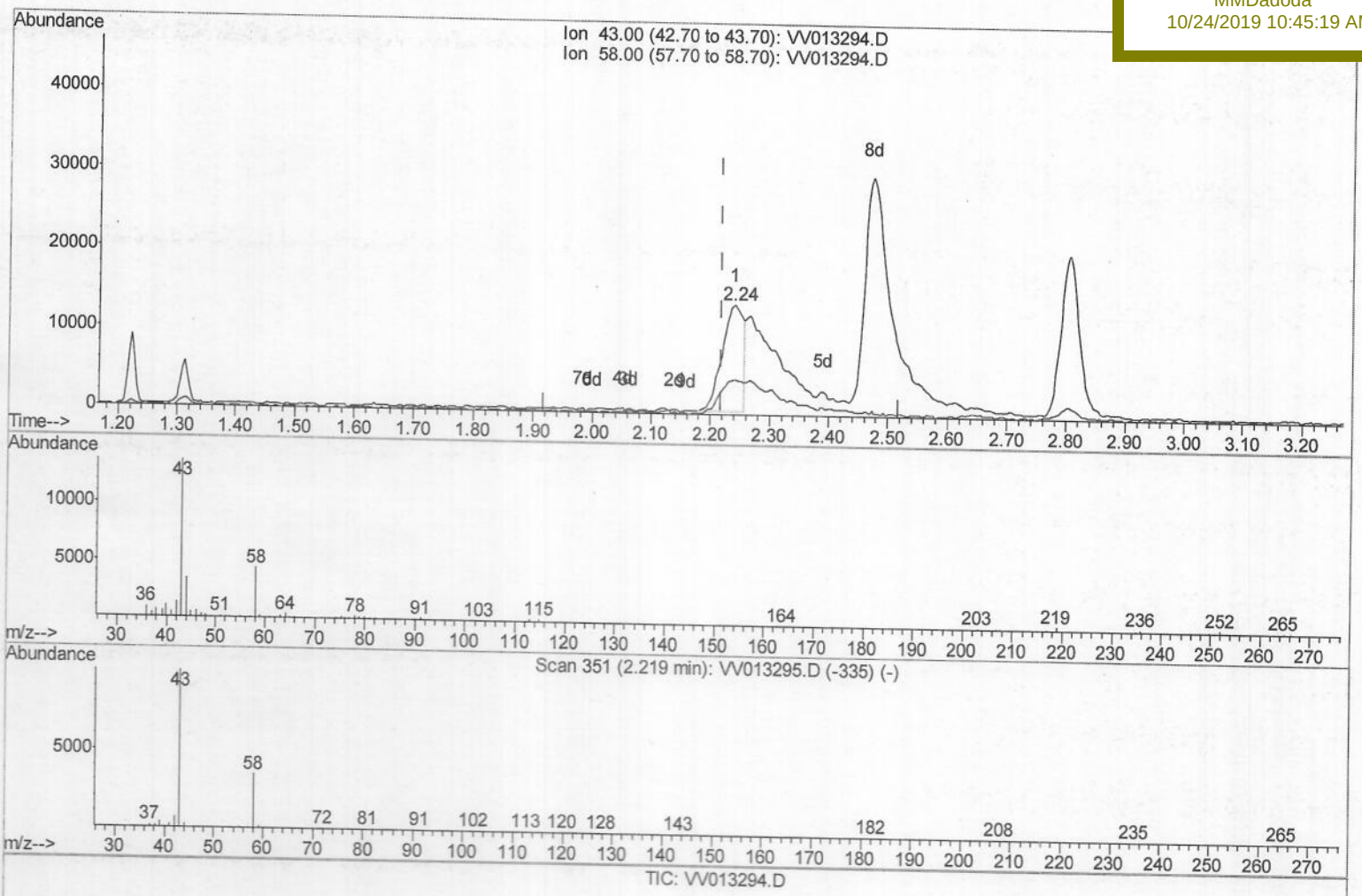
Quantitation Report (Qedit)

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:23:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM



TIC: VV013294.D

(13) Acetone (T)

2.241min (+0.022) 6.36ug/L

response 33404

Ion	Exp%	Act%
43.00	100	100
58.00	32.00	37.28
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Qedit)

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
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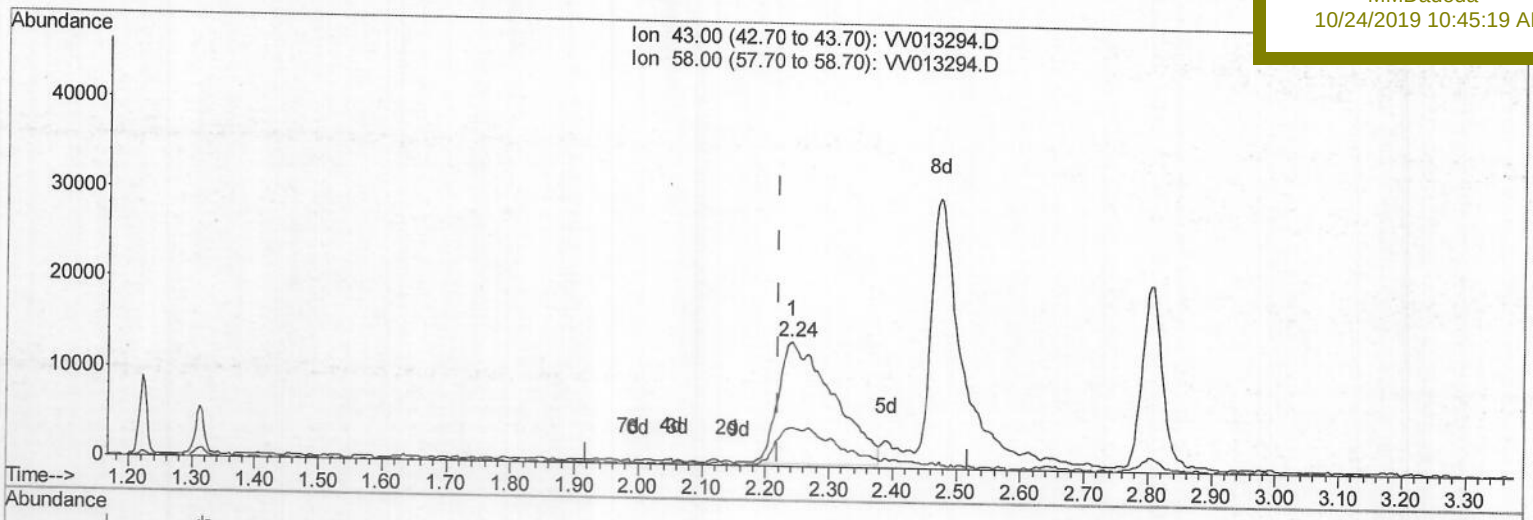
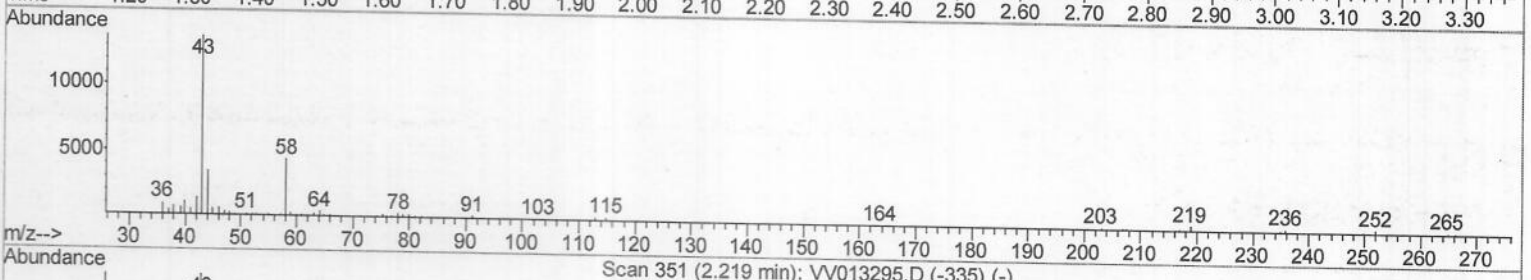
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

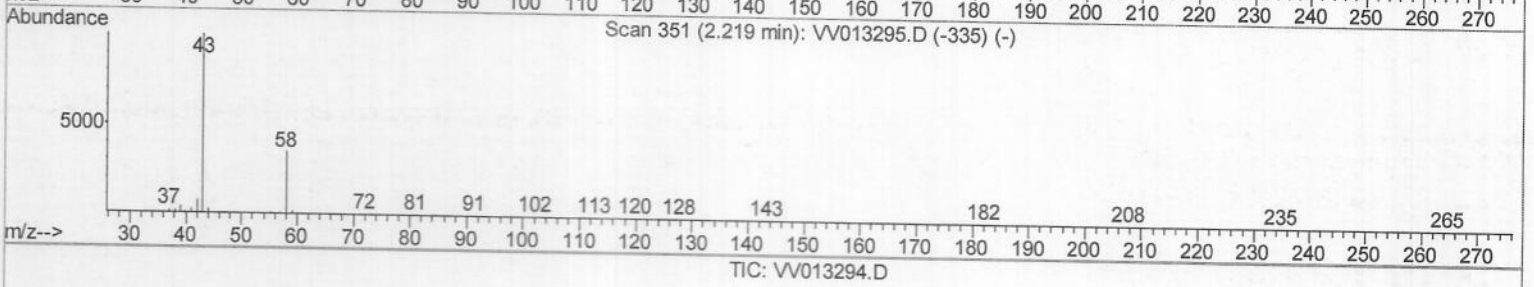
Quant Time: Oct 24 02:23:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM







TIC: VV013294.D

(13) Acetone (T)

2.241min (+0.022) 15.67ug/L m

response 82243

Ion	Exp%	Act%
43.00	100	100
58.00	32.00	15.14
0.00	0.00	0.00
0.00	0.00	0.00

MD
10/25/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Qedit)

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:23:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
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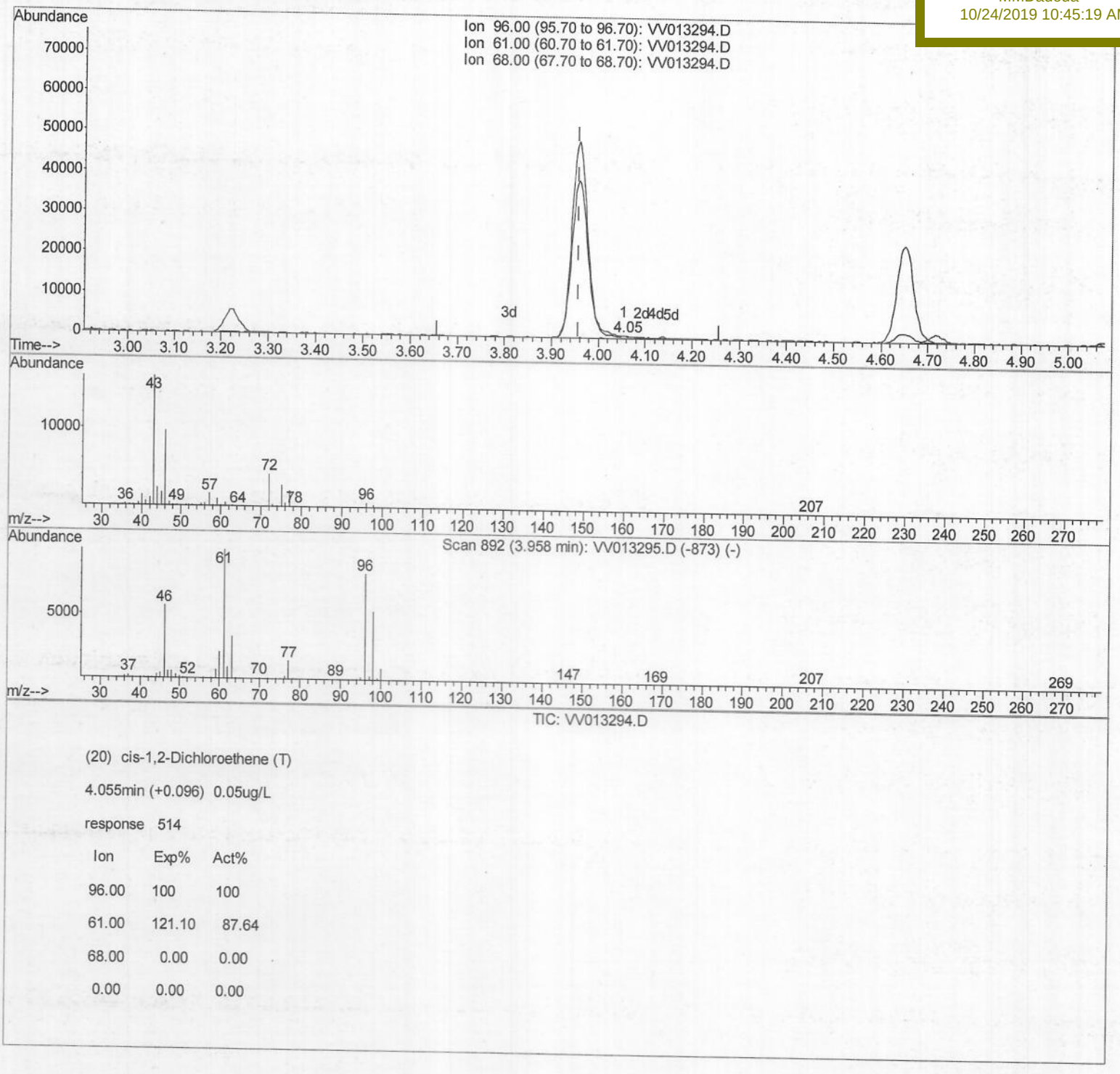

TIC: VV013294.D

(20) cis-1,2-Dichloroethene (T)

4.055min (+0.096) 0.05ug/L

response 514

Ion	Exp%	Act%
96.00	100	100
61.00	121.10	87.64
68.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Qedit)

Data File : VV013294.D
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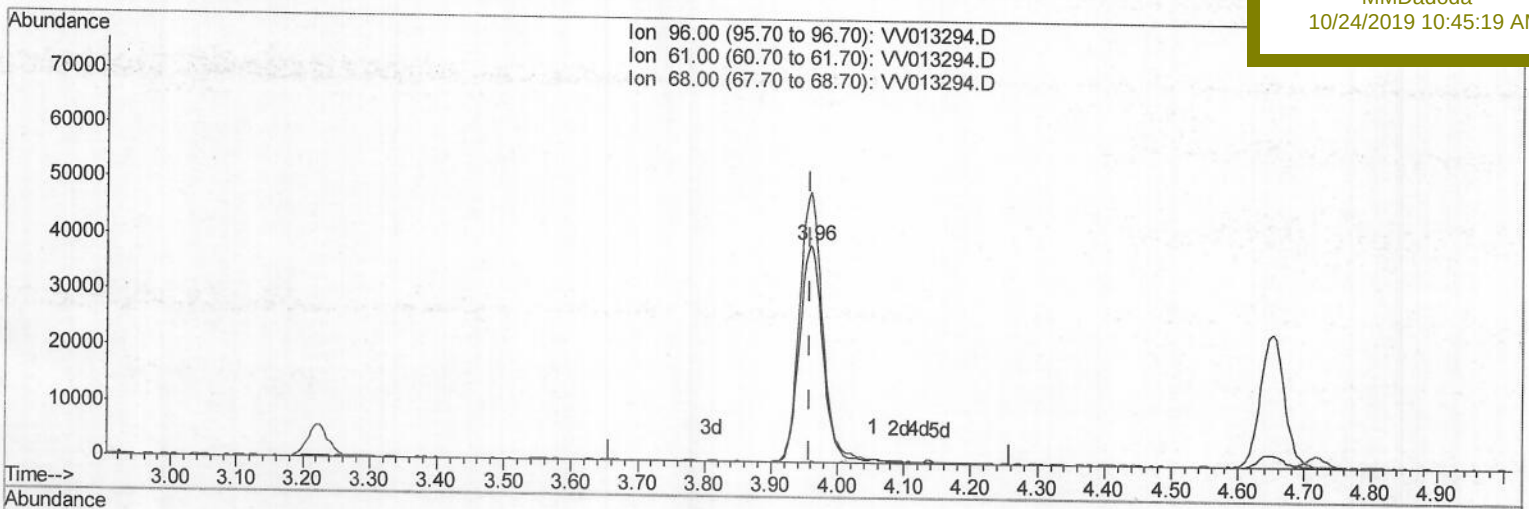
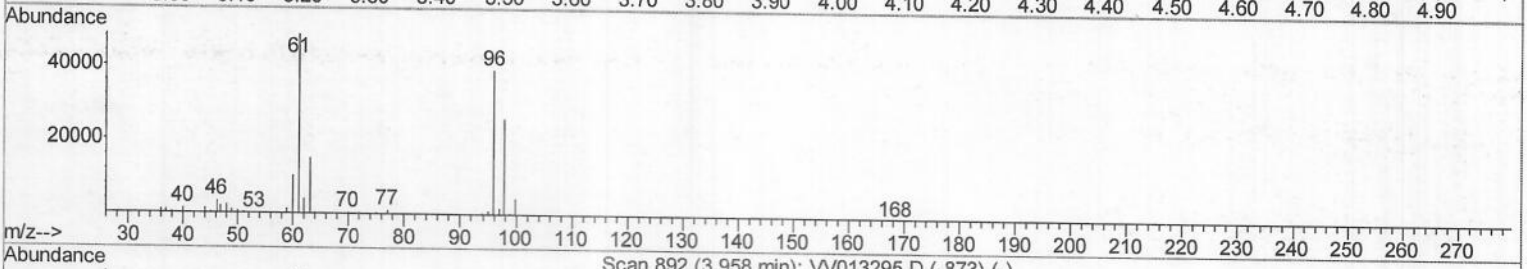
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

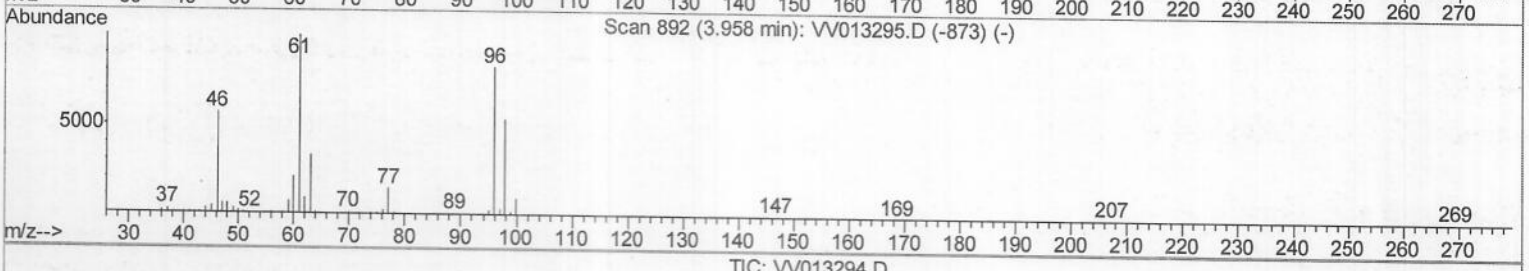
Quant Time: Oct 24 02:23:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM







TIC: VV013294.D

(20) cis-1,2-Dichloroethene (T)

3.958min (-0.000) 9.72ug/L m

response 94753

Ion	Exp%	Act%
96.00	100	100
61.00	121.10	124.26
68.00	0.00	0.30#
0.00	0.00	0.00

SY MD 10/25/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Qedit)

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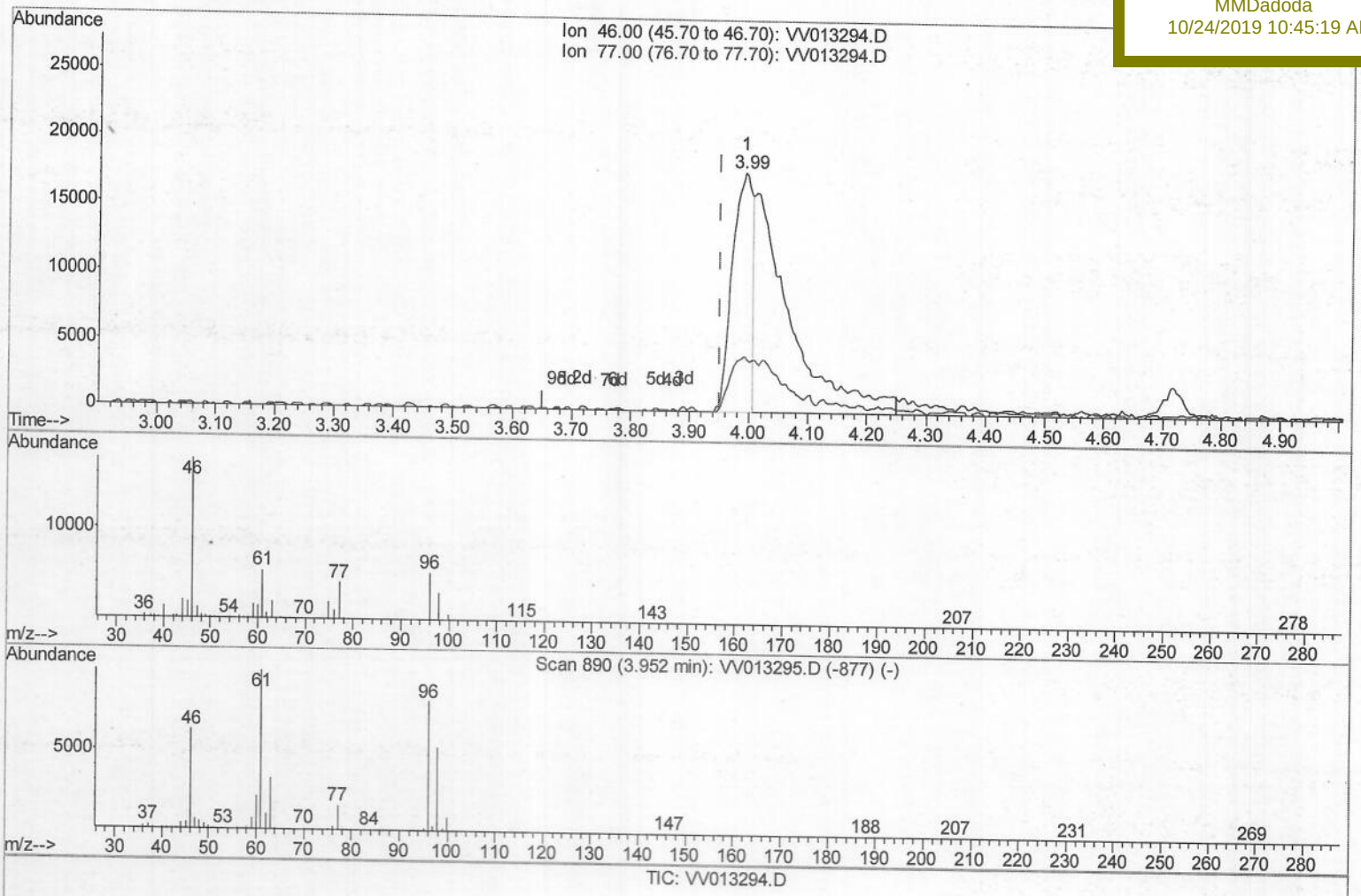
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:23:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM



TIC: VV013294.D

(21) 2-Butanone-d5 (S)

3.994min (+0.042) 7.19ug/L

response 42167

Ion	Exp%	Act%
46.00	100	100
77.00	23.20	21.34
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Qedit)

Data File : VV013294.D
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Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

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Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
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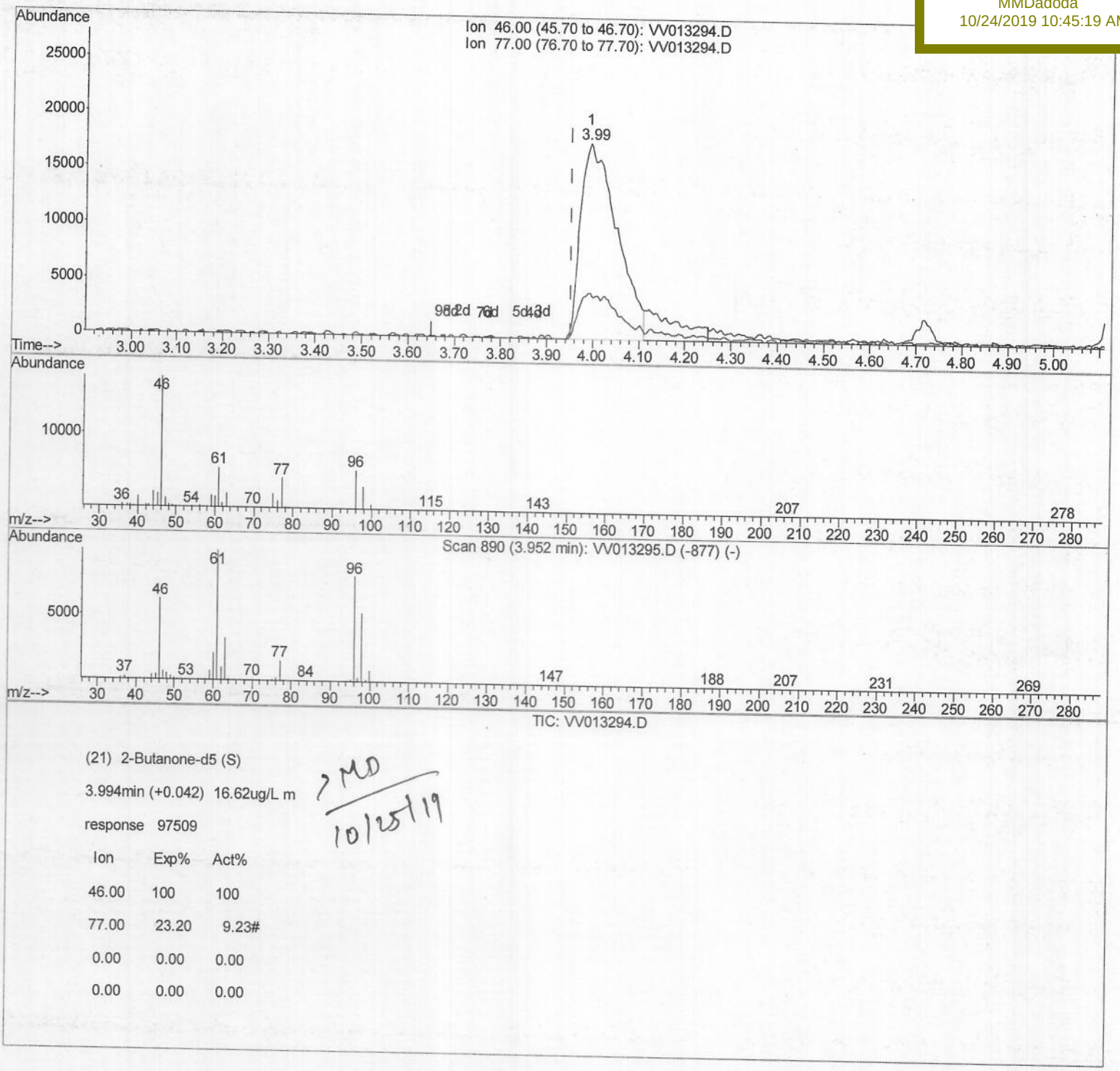
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM



(21) 2-Butanone-d5 (S)

3.994min (+0.042) 16.62ug/L m

response 97509

Ion	Exp%	Act%
46.00	100	100
77.00	23.20	9.23#
0.00	0.00	0.00
0.00	0.00	0.00

SMD 10/25/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (Qedit)

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Operator : SY/MD
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Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

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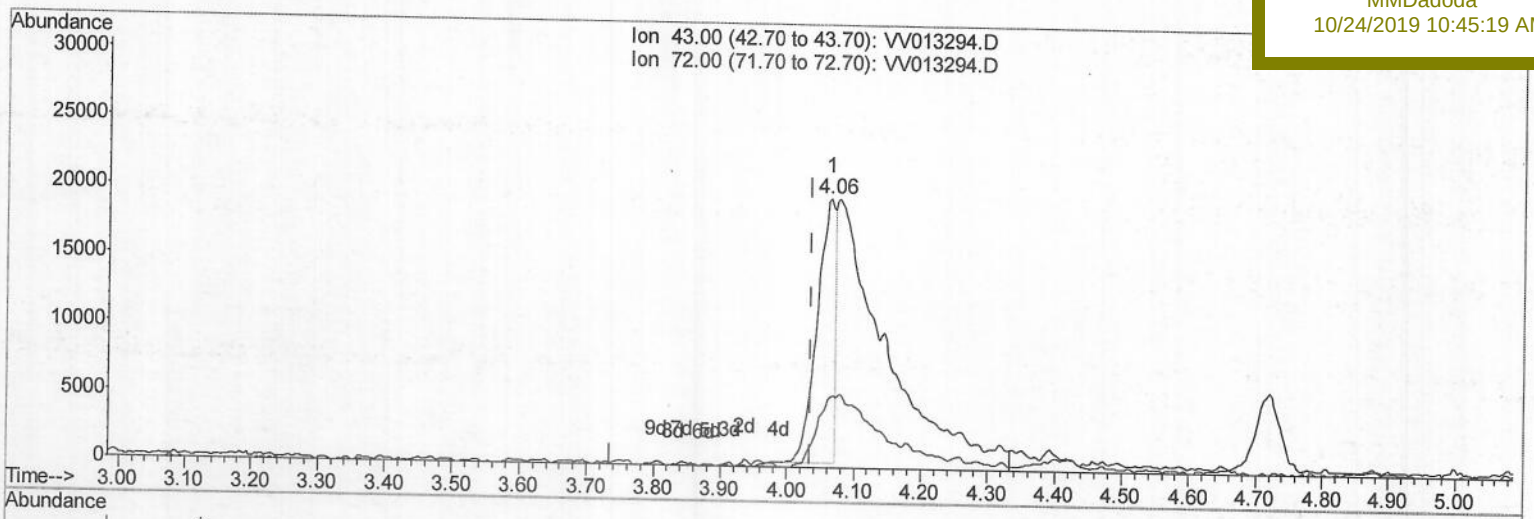
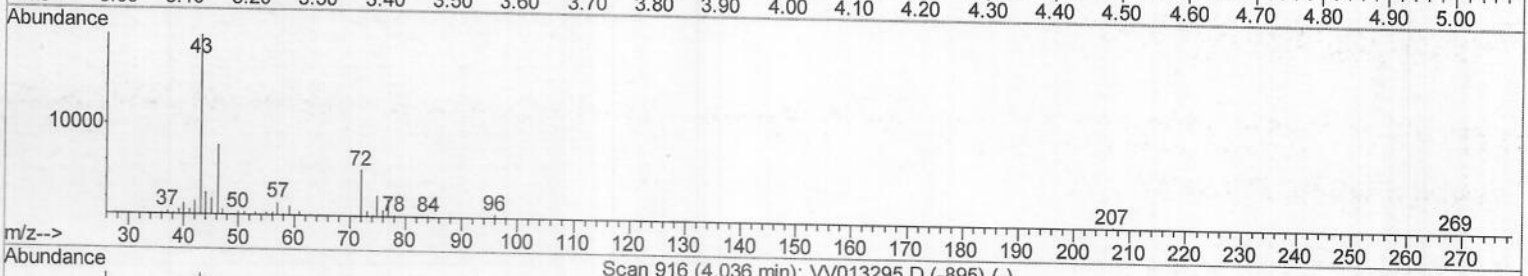
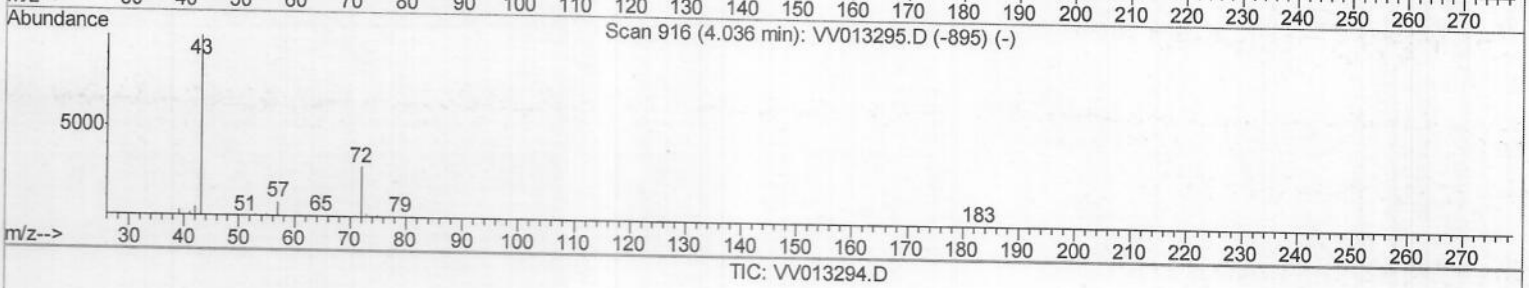
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM







TIC: VV013294.D

(22) 2-Butanone (T)

4.064min (+0.029) 5.44ug/L

response 36708

Ion	Exp%	Act%
43.00	100	100
72.00	25.90	26.65
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

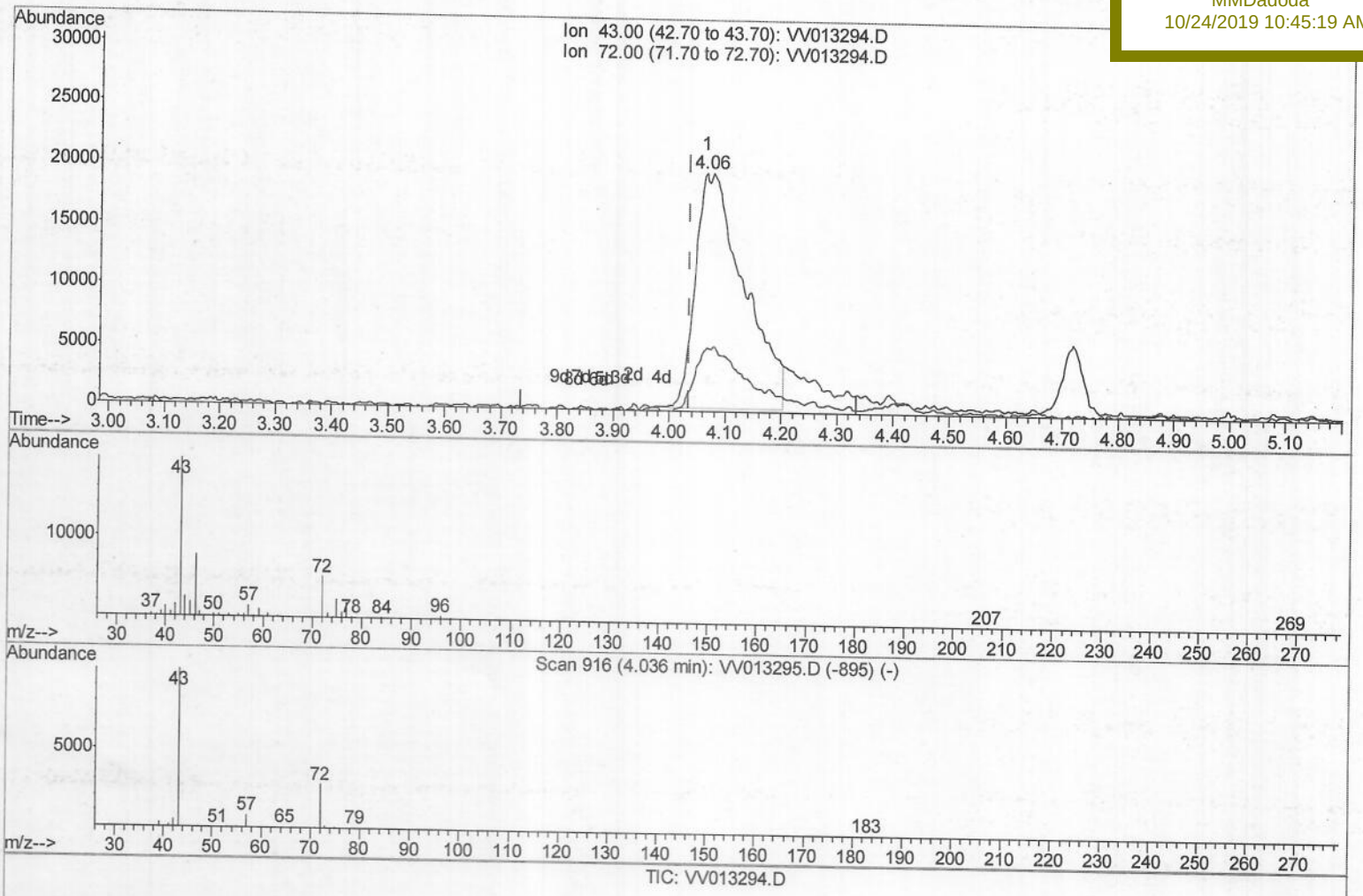
Quantitation Report (Qedit)

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:23:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

Manual Integrations APPROVED
MMDadoda
10/24/2019 10:45:19 AM



TIC: VV013294.D

(22) 2-Butanone (T)

4.064min (+0.029) 17.40ug/L m

response 117472

Ion	Exp%	Act%
43.00	100	100
72.00	25.90	8.33#
0.00	0.00	0.00
0.00	0.00	0.00

MD 10/25/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (QT Reviewed)

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:34:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument : MSVOA_V
ClientSampleId : VSTD01066

Manual Integrations APPROVED
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10/24/2019 10:45:19 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1283869	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1216710	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	582166	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	80597	10.03	ug/L	0.00
7) Chloroethane-d5	1.58	69	59534	9.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	115190	7.90	ug/L	0.00
21) 2-Butanone-d5	3.99	46	97509m	16.62	ug/L	0.04
24) Chloroform-d	4.40	84	169618	10.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	102503	10.58	ug/L	0.00
32) Benzene-d6	5.09	84	352546	10.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	109650	10.73	ug/L	0.00
41) Toluene-d8	7.36	98	311501	10.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	45305	9.77	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	57591	15.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	145160	10.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	127873	11.09	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	112135	11.054	ug/L	98
3) Chloromethane	1.25	50	84348	7.864	ug/L	99
5) Vinyl chloride	1.32	62	88288	8.487	ug/L	100
6) Bromomethane	1.53	94	42184	7.782	ug/L	99
8) Chloroethane	1.60	64	49612	8.170	ug/L	96
9) Trichlorofluoromethane	1.76	101	121089	9.021	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	65210	8.270	ug/L	99
12) 1,1-Dichloroethene	2.13	96	63561	8.319	ug/L	91
13) Acetone	2.24	43	82243m	15.668	ug/L	
14) Carbon disulfide	2.31	76	207543	9.028	ug/L	100
15) Methyl Acetate	2.47	43	83311	8.691	ug/L	95
16) Methylene chloride	2.53	84	99089	10.467	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	90959	10.543	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	255947	9.861	ug/L	98
19) 1,1-Dichloroethane	3.22	63	166225	10.269	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	94753m	9.724	ug/L	
22) 2-Butanone	4.06	43	117472m	17.396	ug/L	
23) Bromochloromethane	4.30	128	52473	10.482	ug/L	99
25) Chloroform	4.42	83	168491	10.297	ug/L	96
27) 1,2-Dichloroethane	5.18	62	124948	10.073	ug/L	97
29) Cyclohexane	4.72	56	133905	9.270	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	139652	10.300	ug/L	98
31) Carbon tetrachloride	4.87	117	126489	10.470	ug/L	99
33) Benzene	5.14	78	376518	10.207	ug/L	100
34) Trichloroethene	5.96	95	96773	9.883	ug/L	97
35) Methylcyclohexane	6.17	83	133597	8.987	ug/L	95
37) 1,2-Dichloropropane	6.22	63	93154	9.801	ug/L	97
38) Bromodichloromethane	6.55	83	121976	10.019	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	128514	9.149	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	226884	18.528	ug/L	95

> MD 10/25/19

MD 10/25/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102319\

Quantitation Report (QT Reviewed)

Data File : VV013294.D
Acq On : 23 Oct 2019 10:38
Operator : SY/MD
Sample : VSTD01066
Misc : 5.00ML/MSVOA_V/WATER
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Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:21:01 2019
Response via : Initial Calibration

Instrument : MSVOA_V
ClientSampleId : VSTD01066

Manual Integrations APPROVED
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10/24/2019 10:45:19 AM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Toluene	7.43	91	377080	9.938 ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	109222	8.983 ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	93553	10.329 ug/L	98
46) Tetrachloroethene	8.02	164	85721	10.818 ug/L	98
48) 2-Hexanone	8.19	43	177746	18.431 ug/L	98
49) Dibromochloromethane	8.29	129	100696	10.114 ug/L	97
50) 1,2-Dibromoethane	8.39	107	96290	10.109 ug/L	100
51) Chlorobenzene	8.92	112	259869	10.369 ug/L	98
52) Ethylbenzene	9.05	91	379476	9.357 ug/L	99
53) m,p-Xylene	9.18	106	142482	9.284 ug/L	98
54) o-xylene	9.58	106	141747	9.273 ug/L	98
55) Styrene	9.60	104	235637	9.305 ug/L	98
56) Isopropylbenzene	9.97	105	352314	8.970 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	142980	10.749 ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	119411	10.309 ug/L	99
61) Bromoform	9.77	173	77537	10.609 ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	186503	9.923 ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	199340	10.540 ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	198368	10.373 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	26775	9.755 ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	133536	9.885 ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	103344	8.944 ug/L	99
69) Naphthalene	13.55	128	252748	7.955 ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	114048	9.217 ug/L	96

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