Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080519\
Data File : VU033591.D
Acq On : 05 Aug 2019 10:10
Operator : JC/SP
Sample : VSTD00536
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 17:00:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 05 16:26:33 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Manual Integrations APPROVED
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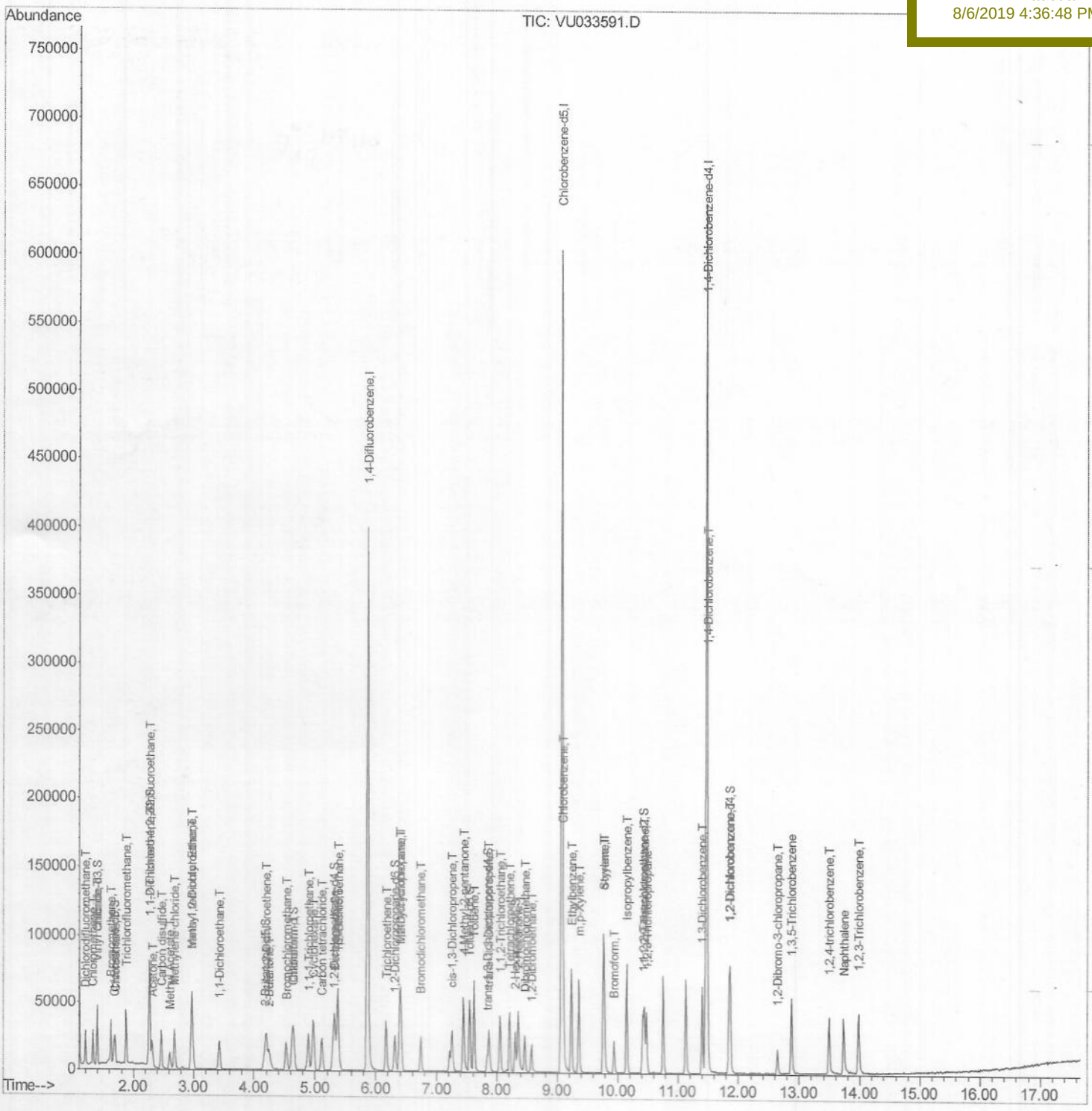
8/6/2019 4:36:48 PM



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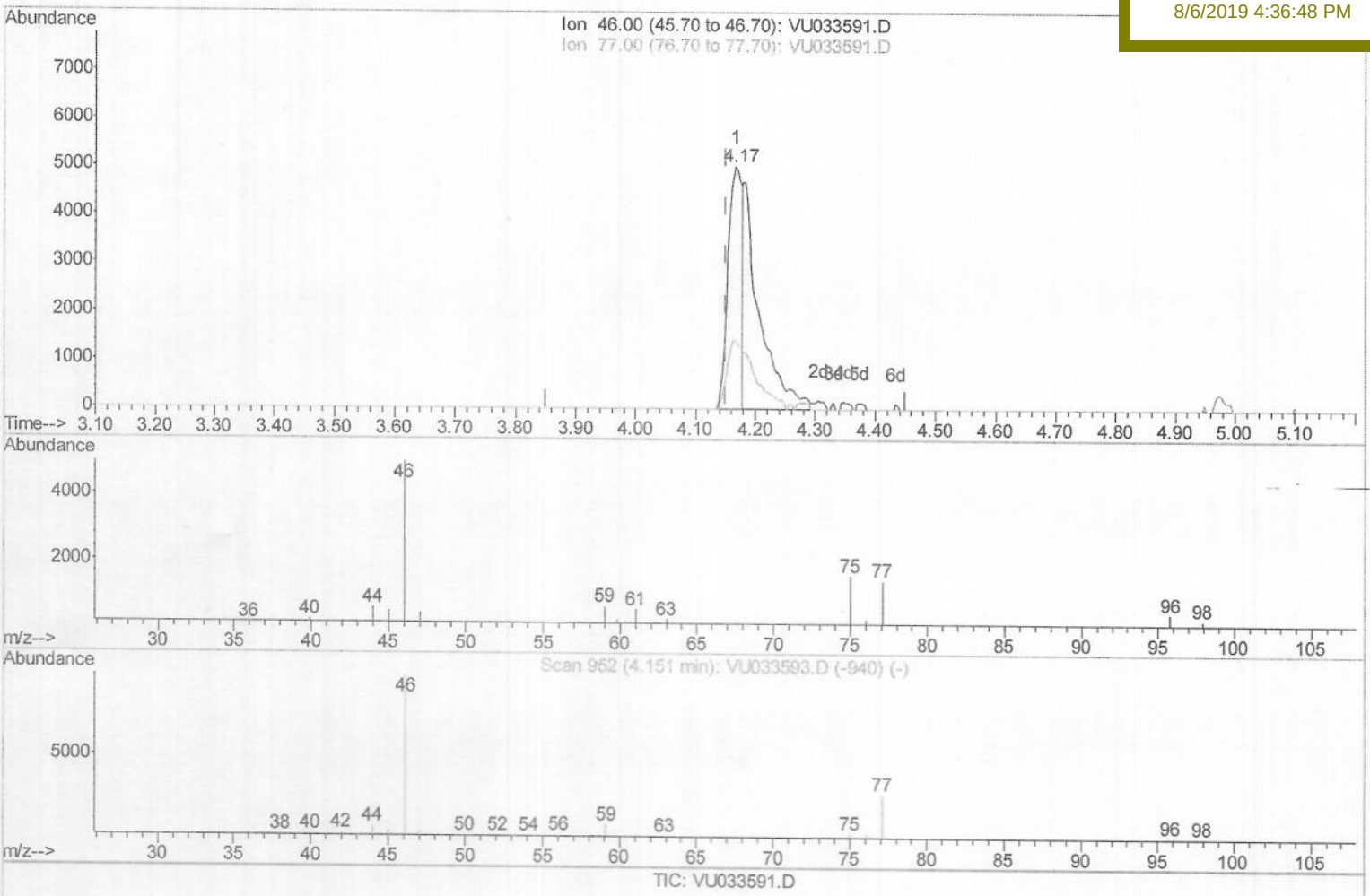

TIC: VU033591.D

(21) 2-Butanone-d5 (S)

4.167min (+0.016) 4.27ug/L

response 7869

Ion	Exp%	Act%
46.00	100	100
77.00	26.10	57.02#
0.00	0.00	0.00
0.00	0.00	0.00

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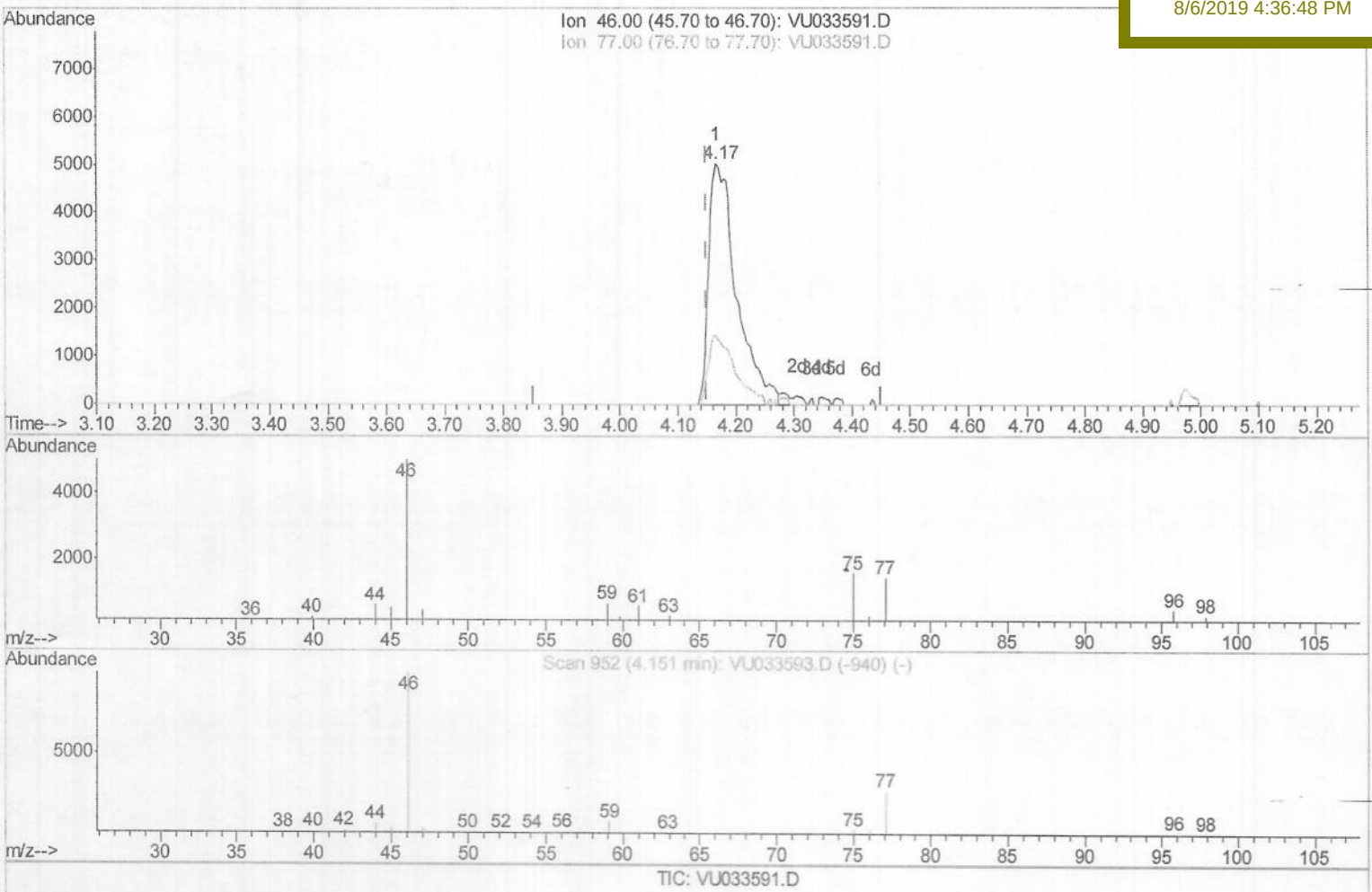

TIC: VU033591.D

(21) 2-Butanone-d5 (S)

4.167min (+0.016) 9.08ug/L m

response 16732

M.Q 08/12/19

Ion	Exp%	Act%
46.00	100	100
77.00	26.10	26.82
0.00	0.00	0.00
0.00	0.00	0.00

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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	338421	50.00	ug/L		0.00
28) Chlorobenzene-d5	9.07	117	334270	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	167976	50.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.39	65	11576	4.92	ug/L		0.00
7) Chloroethane-d5	1.67	69	9949	4.05	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.26	63	23097	5.16	ug/L		0.00
21) 2-Butanone-d5	4.17	46	16732m	9.08	ug/L		0.02
24) Chloroform-d	4.62	84	21364	4.88	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.29	65	14254	5.16	ug/L		0.00
32) Benzene-d6	5.32	84	41492	4.79	ug/L		0.00
36) 1,2-Dichloropropane-d6	6.31	67	13021	4.66	ug/L		0.00
41) Toluene-d8	7.55	98	37527	4.66	ug/L		0.00
43) trans-1,3-Dichloropropene-	7.84	79	6203	4.55	ug/L		0.00
47) 2-Hexanone-d5	8.30	63	10565	7.87	ug/L		0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	20314	4.72	ug/L		0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	16094	4.98	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	15021	4.642	ug/L		98
3) Chloromethane	1.32	50	16896	5.029	ug/L		100
5) Vinyl chloride	1.39	62	18521	5.204	ug/L		98
6) Bromomethane	1.62	94	12897	5.109	ug/L		93
8) Chloroethane	1.69	64	11503	4.340	ug/L		99
9) Trichlorofluoromethane	1.87	101	23663	4.921	ug/L		97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	11843	4.882	ug/L		96
12) 1,1-Dichloroethene	2.27	96	11576	4.967	ug/L		90
13) Acetone	2.31	43	23473	12.992	ug/L		98
14) Carbon disulfide	2.46	76	36693	5.289	ug/L		100
15) Methyl Acetate	2.60	43	15149	5.031	ug/L		97
16) Methylene chloride	2.68	84	13687	5.070	ug/L		98
17) trans-1,2-Dichloroethene	2.96	96	12282	5.058	ug/L		99
18) Methyl tert-butyl Ether	2.98	73	36723	4.819	ug/L		99
19) 1,1-Dichloroethane	3.42	63	23346	5.013	ug/L		97
20) cis-1,2-Dichloroethene	4.20	96	13365	4.861	ug/L		93
22) 2-Butanone	4.25	43	23754	10.702	ug/L		83
23) Bromochloromethane	4.52	128	7029	5.001	ug/L		93
25) Chloroform	4.65	83	24355	4.980	ug/L		91
27) 1,2-Dichloroethane	5.39	62	19018	5.054	ug/L	#	92
29) Cyclohexane	4.97	56	18009	4.653	ug/L		97
30) 1,1,1-Trichloroethane	4.89	97	20714	5.064	ug/L		99
31) Carbon tetrachloride	5.11	117	17428	4.893	ug/L		98
33) Benzene	5.37	78	49849	4.879	ug/L		100
34) Trichloroethene	6.17	95	13160	4.892	ug/L		97
35) Methylcyclohexane	6.40	83	18725	4.585	ug/L		97
37) 1,2-Dichloropropane	6.41	63	14405	5.152	ug/L		98
38) Bromodichloromethane	6.74	83	17366	4.793	ug/L		93
39) cis-1,3-Dichloropropene	7.25	75	19162	4.479	ug/L		97
40) 4-Methyl-2-pentanone	7.44	43	37661	9.320	ug/L		97

M.D 08/12/19

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Toluene	7.62	91	51126	4.624 ug/L	95
44) trans-1,3-Dichloropropene	7.86	75	17437	4.463 ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	13471	5.038 ug/L	97
46) Tetrachloroethene	8.21	164	10197	4.705 ug/L	97
48) 2-Hexanone	8.35	43	29601	9.094 ug/L	98
49) Dibromochloromethane	8.46	129	14228	4.717 ug/L	99
50) 1,2-Dibromoethane	8.57	107	14397	4.966 ug/L	98
51) Chlorobenzene	9.10	112	35620	4.926 ug/L	98
52) Ethylbenzene	9.23	91	55008	4.671 ug/L	99
53) m,p-Xylene	9.36	106	20350	4.536 ug/L	99
54) o-xylene	9.76	106	19778	4.473 ug/L	95
55) Styrene	9.78	104	32224	4.297 ug/L	95
56) Isopropylbenzene	10.15	105	49716	4.341 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	23290	4.866 ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	18603	4.929 ug/L	99
61) Bromoform	9.94	173	10782	4.880 ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	27586	4.966 ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	28751	5.054 ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	26809	4.823 ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	4900	4.597 ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	19266	4.492 ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	14707	4.078 ug/L	95
69) Naphthalene	13.73	128	39770	3.796 ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	17356	4.502 ug/L	99

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