

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081319\
 Data File : VU033776.D
 Acq On : 13 Aug 2019 09:44
 Operator : JC/SP
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 10:44:39 AM

Quant Time: Aug 14 03:44:57 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M

Quant Title : VOC Analysis

QLast Update : Wed Aug 14 01:33:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	388290	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	384080	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	191509	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	37073	10.48	ug/L	0.00
7) Chloroethane-d5	1.67	69	33079	11.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	61213	9.80	ug/L	0.00
21) 2-Butanone-d5	4.17	46	39490m	19.65	ug/L	0.02
24) Chloroform-d	4.62	84	58623	10.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	36552	10.66	ug/L	0.00
32) Benzene-d6	5.32	84	107738	10.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	34842	10.76	ug/L	0.00
41) Toluene-d8	7.55	98	98699	10.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	15938	10.09	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	23323	17.34	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	50818	10.30	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	38040	10.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	41831	10.773 ug/L	98
3) Chloromethane	1.32	50	43416	11.184 ug/L	96
5) Vinyl chloride	1.39	62	45388	10.282 ug/L	94
6) Bromomethane	1.62	94	30300	9.306 ug/L	100
8) Chloroethane	1.69	64	31325	11.526 ug/L	94
9) Trichlorofluoromethane	1.87	101	60313	10.494 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	29291	10.199 ug/L	98
12) 1,1-Dichloroethene	2.27	96	28968	10.414 ug/L	99
13) Acetone	2.32	43	41496	21.046 ug/L	96
14) Carbon disulfide	2.46	76	89621	10.544 ug/L	100
15) Methyl Acetate	2.61	43	32451	10.146 ug/L	99
16) Methylene chloride	2.68	84	32419	10.397 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	29149	10.286 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	82272	9.890 ug/L	99
19) 1,1-Dichloroethane	3.42	63	56531	10.631 ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	30990	9.960 ug/L	98
22) 2-Butanone	4.25	43	45911	19.454 ug/L	95
23) Bromochloromethane	4.53	128	16601	10.020 ug/L	97
25) Chloroform	4.65	83	59790	10.649 ug/L	98
27) 1,2-Dichloroethane	5.38	62	45721	10.447 ug/L	97
29) Cyclohexane	4.97	56	39100	9.253 ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	49287	10.738 ug/L	97
31) Carbon tetrachloride	5.11	117	43997	10.776 ug/L	98
33) Benzene	5.37	78	123327	10.673 ug/L	100
34) Trichloroethene	6.17	95	32990	10.955 ug/L	99
35) Methylcyclohexane	6.40	83	43000	9.357 ug/L	99
37) 1,2-Dichloropropane	6.41	63	33376	10.717 ug/L	98
38) Bromodichloromethane	6.74	83	43615	10.676 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	43197	9.340 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	76834	18.925 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.62	91	124033	10.019	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	41430	9.856	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	31657	10.705	ug/L	97
46) Tetrachloroethene	8.21	164	25179	10.248	ug/L	97
48) 2-Hexanone	8.35	43	56440	17.179	ug/L	98
49) Dibromochloromethane	8.46	129	34281	10.360	ug/L	98
50) 1,2-Dibromoethane	8.57	107	32104	10.031	ug/L	91
51) Chlorobenzene	9.10	112	82535	10.075	ug/L	99
52) Ethylbenzene	9.23	91	124454	9.297	ug/L	99
53) m,p-Xylene	9.36	106	46155	9.162	ug/L	99
54) o-xylene	9.76	106	45651	9.246	ug/L	96
55) Styrene	9.77	104	73967	8.818	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	53191	10.191	ug/L	99
59) Bromoform	9.94	173	25464	10.545	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	41582	10.635	ug/L	99
61) Isopropylbenzene	10.15	105	114793	9.352	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	84587	8.531	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	84997	8.637	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	60990	9.732	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	61835	9.535	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	61438	9.812	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	10861	10.020	ug/L	96
69) 1,3,5-Trichlorobenzene	12.87	180	43803	9.211	ug/L	98
70) 1,2,4-trichlorobenzene	13.49	180	33513	8.403	ug/L	98
71) Naphthalene	13.73	128	84322	7.262	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	35905	8.622	ug/L	99

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

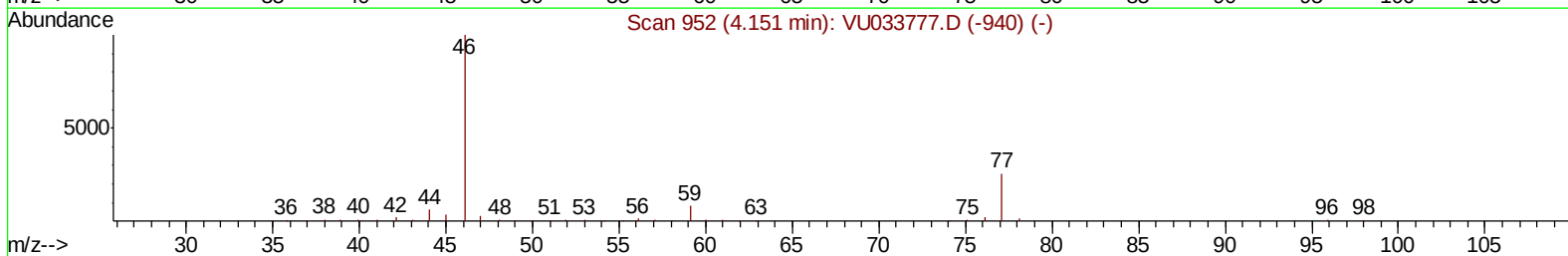
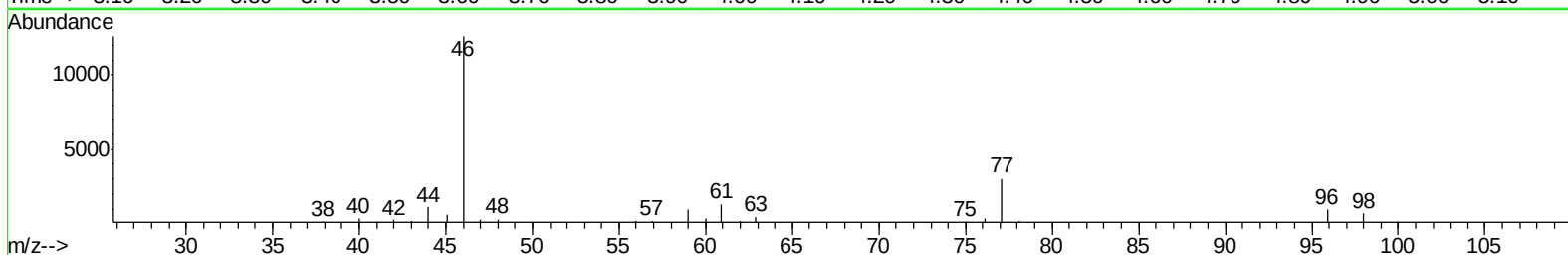
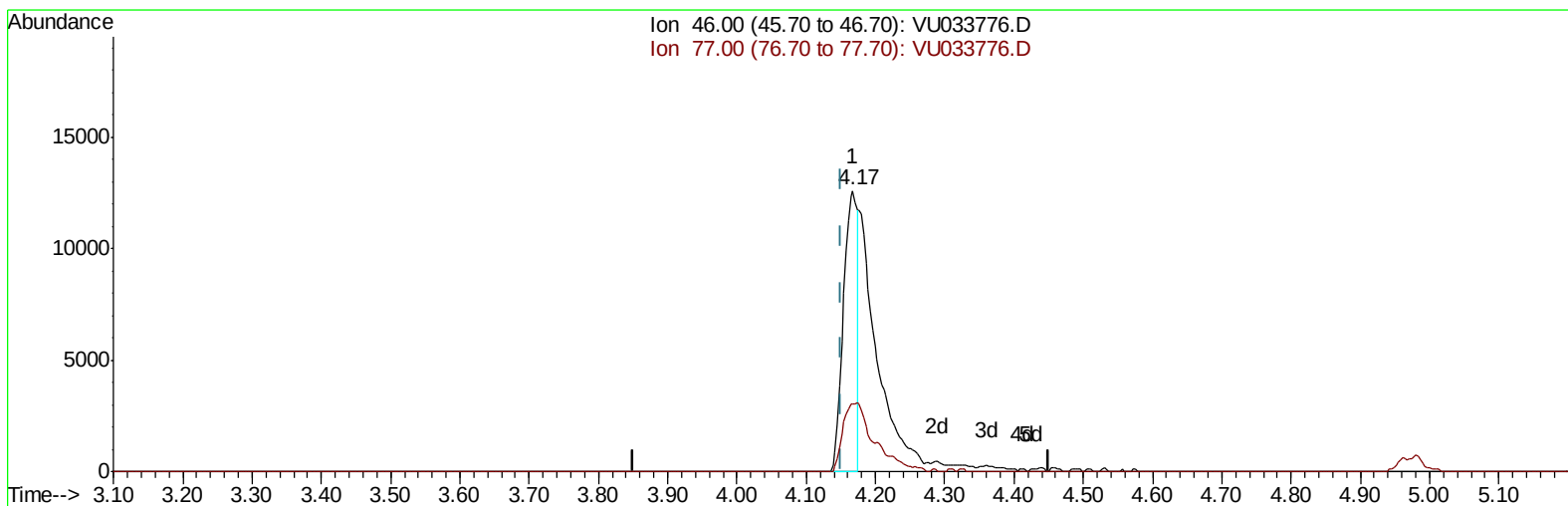
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(21) 2-Butanone-d5 (S)

4.167min (+0.016) 8.71ug/L

response 17510

Ion	Exp%	Act%
46.00	100	100
77.00	25.20	22.39
0.00	0.00	0.00
0.00	0.00	0.00

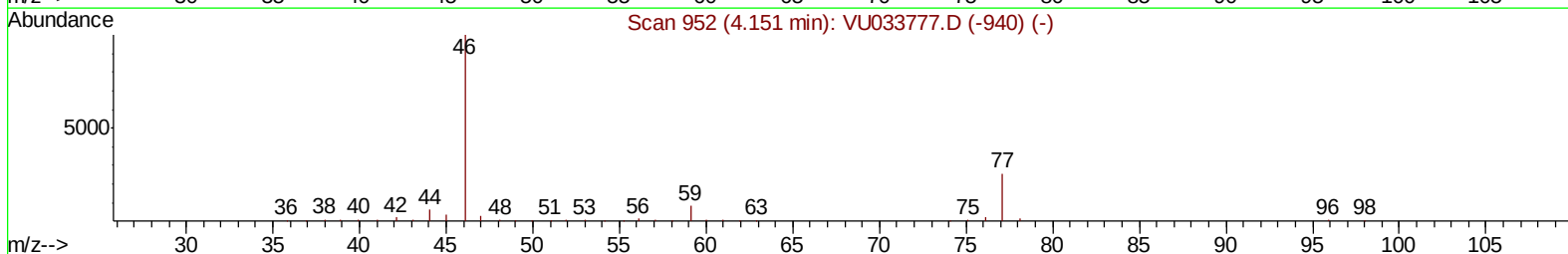
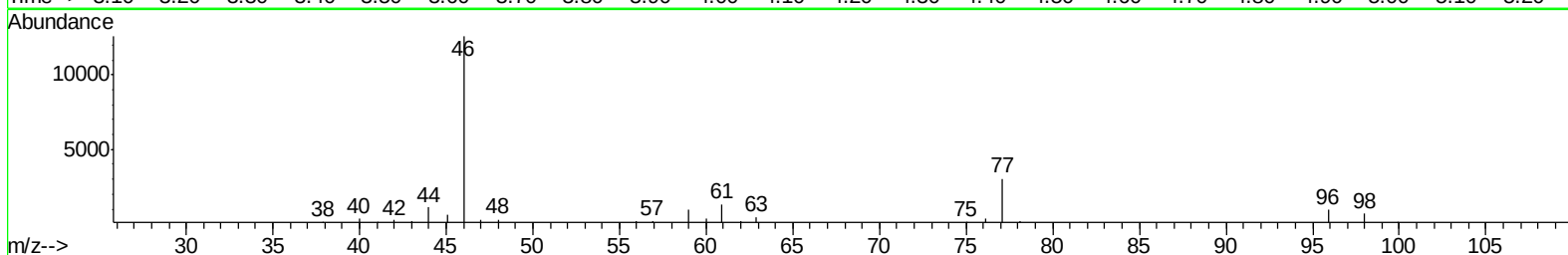
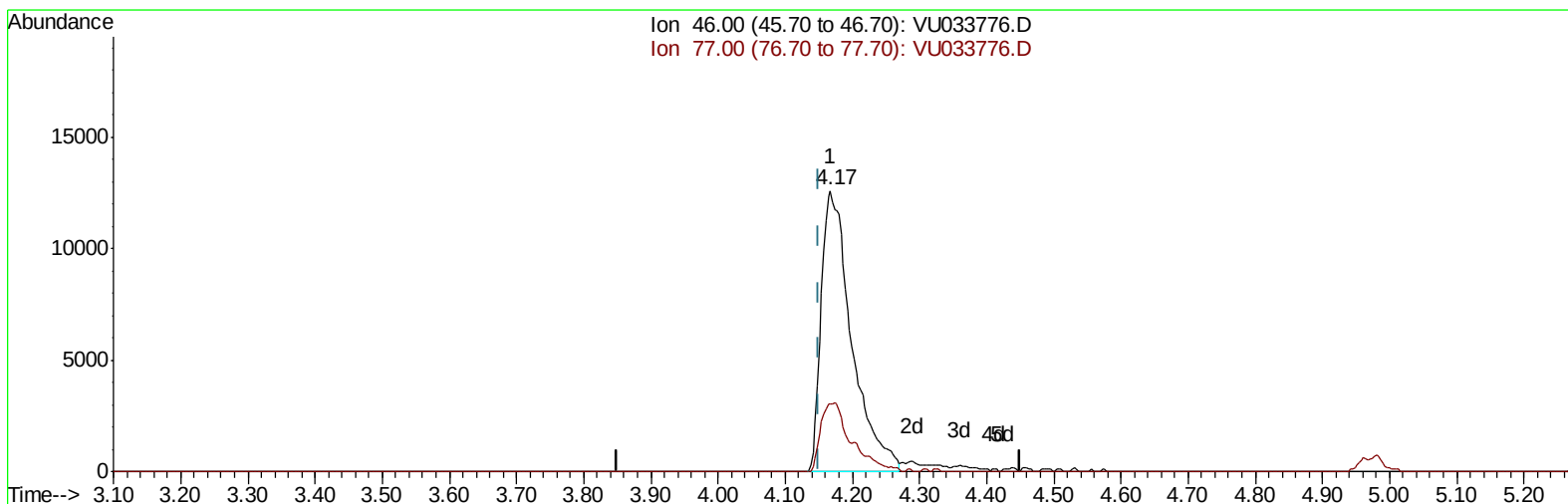
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(21) 2-Butanone-d5 (S)

4.167min (+0.016) 19.65ug/L m

response 39490

Ion	Exp%	Act%
46.00	100	100
77.00	25.20	9.93#
0.00	0.00	0.00
0.00	0.00	0.00