

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080319\
 Data File : VU033581.D
 Acq On : 03 Aug 2019 10:33
 Operator : JC/SP
 Sample : VSTD00535
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 4:09:04 PM

Quant Time: Aug 05 05:34:48 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080319WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Aug 05 05:25:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	260472	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	258503	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	131107	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	8105	4.33	ug/L	0.00
7) Chloroethane-d5	1.67	69	7280	4.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	14946	4.35	ug/L	0.00
21) 2-Butanone-d5	4.19	46	10687m	8.32	ug/L	0.03
24) Chloroform-d	4.63	84	14727	4.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	9391	4.64	ug/L	0.00
32) Benzene-d6	5.32	84	27100	4.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	8959	4.43	ug/L	0.00
41) Toluene-d8	7.55	98	23472	3.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	3931	3.91	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	6562	6.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	13867	4.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	11296	4.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9547	3.955 ug/L	94
3) Chloromethane	1.32	50	9749	3.996 ug/L	95
5) Vinyl chloride	1.40	62	10520	4.016 ug/L	94
6) Bromomethane	1.62	94	6991	3.006 ug/L	96
8) Chloroethane	1.69	64	7660	4.811 ug/L	98
9) Trichlorofluoromethane	1.87	101	14691	4.276 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7473	4.276 ug/L	98
12) 1,1-Dichloroethene	2.27	96	7021	4.217 ug/L	93
13) Acetone	2.32	43	13726	10.685 ug/L	98
14) Carbon disulfide	2.47	76	21015	4.055 ug/L	97
15) Methyl Acetate	2.61	43	8326	4.047 ug/L	97
16) Methylene chloride	2.68	84	8322	4.346 ug/L	92
17) trans-1,2-Dichloroethene	2.96	96	7339	4.201 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	20387	3.802 ug/L	97
19) 1,1-Dichloroethane	3.42	63	13750	4.165 ug/L	94
20) cis-1,2-Dichloroethene	4.21	96	7928	4.014 ug/L	97
22) 2-Butanone	4.26	43	12541	8.157 ug/L	77
23) Bromochloromethane	4.53	128	4304	4.211 ug/L	92
25) Chloroform	4.65	83	14526	4.190 ug/L	98
27) 1,2-Dichloroethane	5.39	62	10881	4.064 ug/L	97
29) Cyclohexane	4.97	56	9660	3.469 ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	11871	4.020 ug/L	98
31) Carbon tetrachloride	5.11	117	10450	4.054 ug/L	94
33) Benzene	5.37	78	29473	3.985 ug/L	100
34) Trichloroethene	6.17	95	8417	4.320 ug/L	93
35) Methylcyclohexane	6.40	83	10338	3.407 ug/L	96
37) 1,2-Dichloropropane	6.41	63	8019	4.015 ug/L	100
38) Bromodichloromethane	6.74	83	10649	4.141 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	11539	3.725 ug/L	94
40) 4-Methyl-2-pentanone	7.45	43	21899	7.898 ug/L	92

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

42) Toluene	7.62	91	28974	3.650	ug/L	91
44) trans-1,3-Dichloropropene	7.87	75	10150	3.640	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	7806	4.136	ug/L	93
46) Tetrachloroethene	8.21	164	6432	4.061	ug/L	98
48) 2-Hexanone	8.35	43	16945	7.590	ug/L	99
49) Dibromochloromethane	8.46	129	8393	3.916	ug/L	99
50) 1,2-Dibromoethane	8.57	107	8553	4.116	ug/L #	93
51) Chlorobenzene	9.10	112	22012	4.238	ug/L	95
52) Ethylbenzene	9.23	91	30714	3.593	ug/L	97
53) m,p-Xylene	9.36	106	10602	3.222	ug/L	94
54) o-xylene	9.76	106	10765	3.392	ug/L	98
55) Styrene	9.78	104	17382	3.222	ug/L	90
56) Isopropylbenzene	10.15	105	28224	3.396	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	14353	4.208	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	11611	4.404	ug/L	96
61) Bromoform	9.94	173	6558	4.172	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	16534	4.145	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	18079	4.355	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	16712	4.142	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	3296	4.356	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.88	180	13065	4.078	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	9709	3.554	ug/L	97
69) Naphthalene	13.73	128	26663	3.395	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	11433	3.981	ug/L	93

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

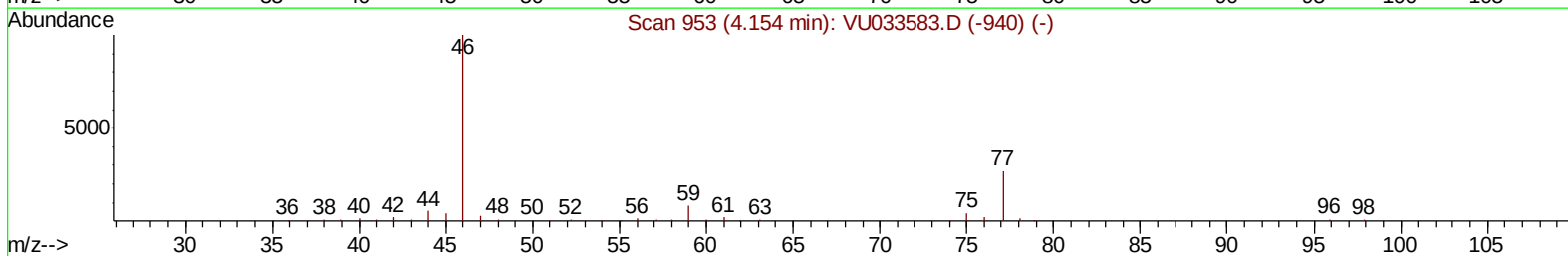
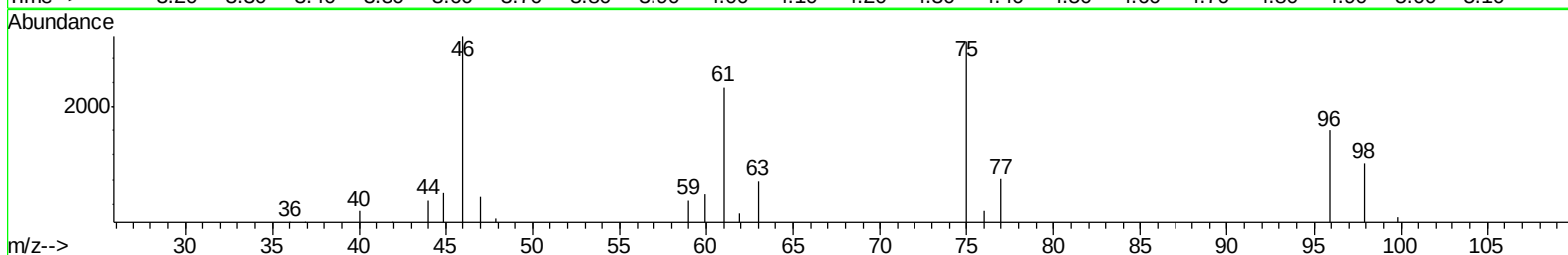
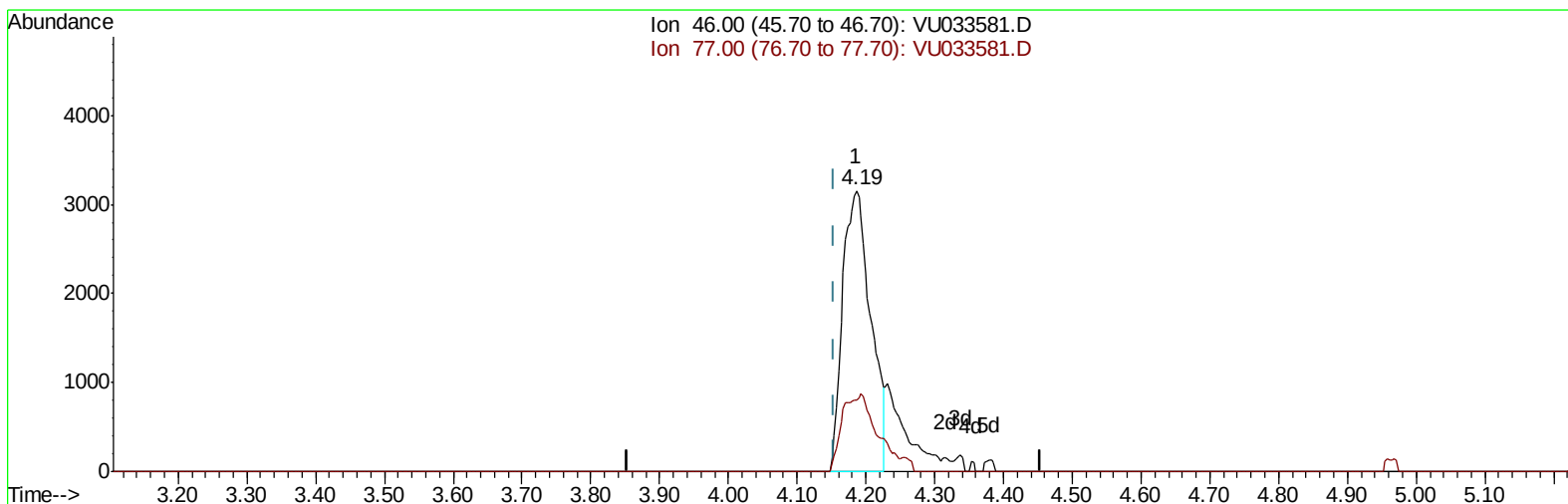
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(21) 2-Butanone-d5 (S)

4.186min (+0.032) 6.89ug/L

response 8844

Ion	Exp%	Act%
46.00	100	100
77.00	26.60	9.92#
0.00	0.00	0.00
0.00	0.00	0.00

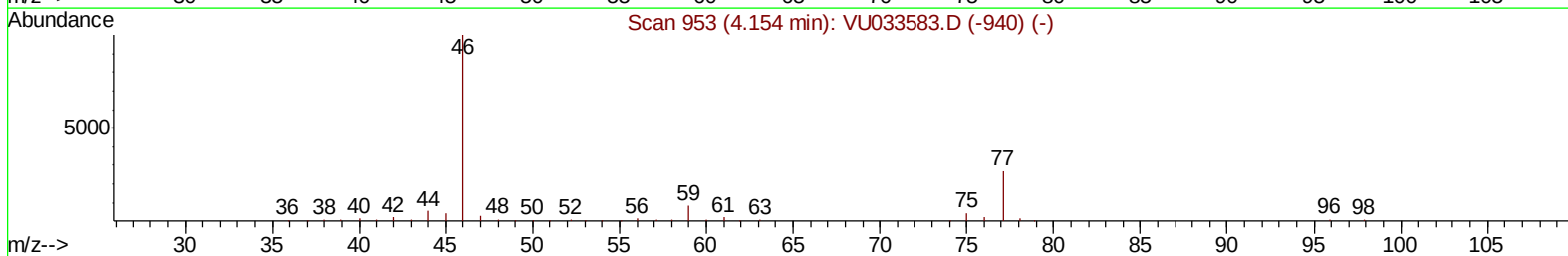
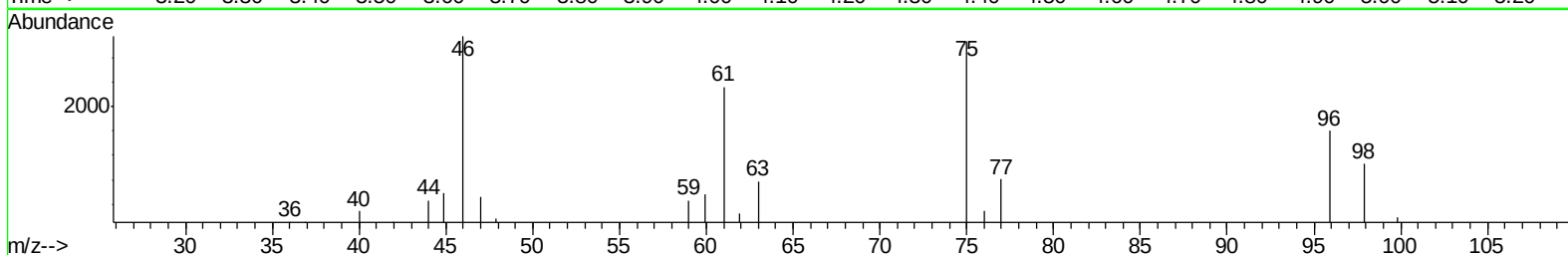
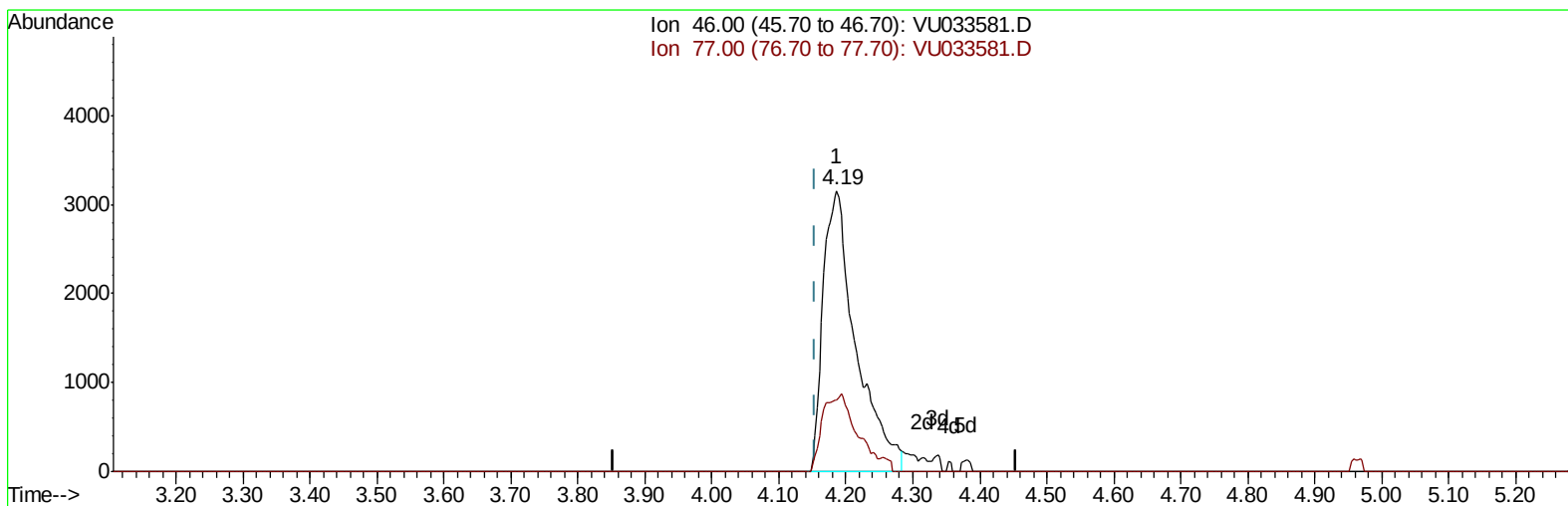
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(21) 2-Butanone-d5 (S)

4.186min (+0.032) 8.32ug/L m

response 10687

Ion	Exp%	Act%
46.00	100	100
77.00	26.60	8.21#
0.00	0.00	0.00
0.00	0.00	0.00