

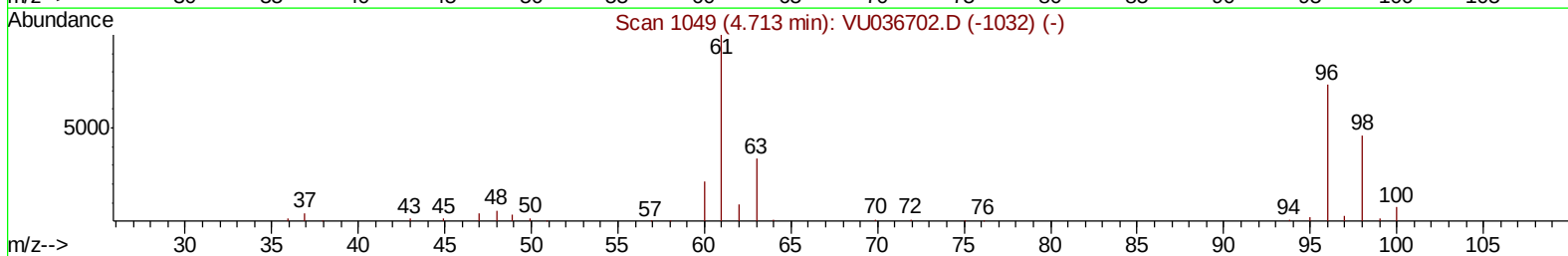
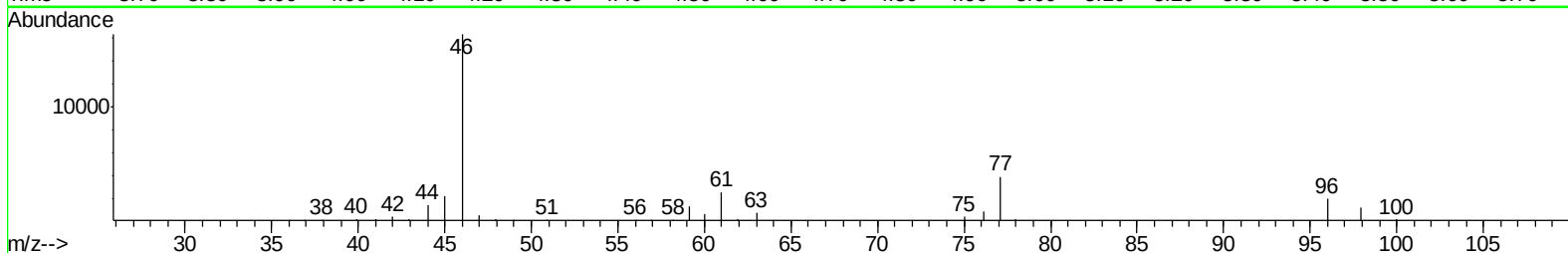
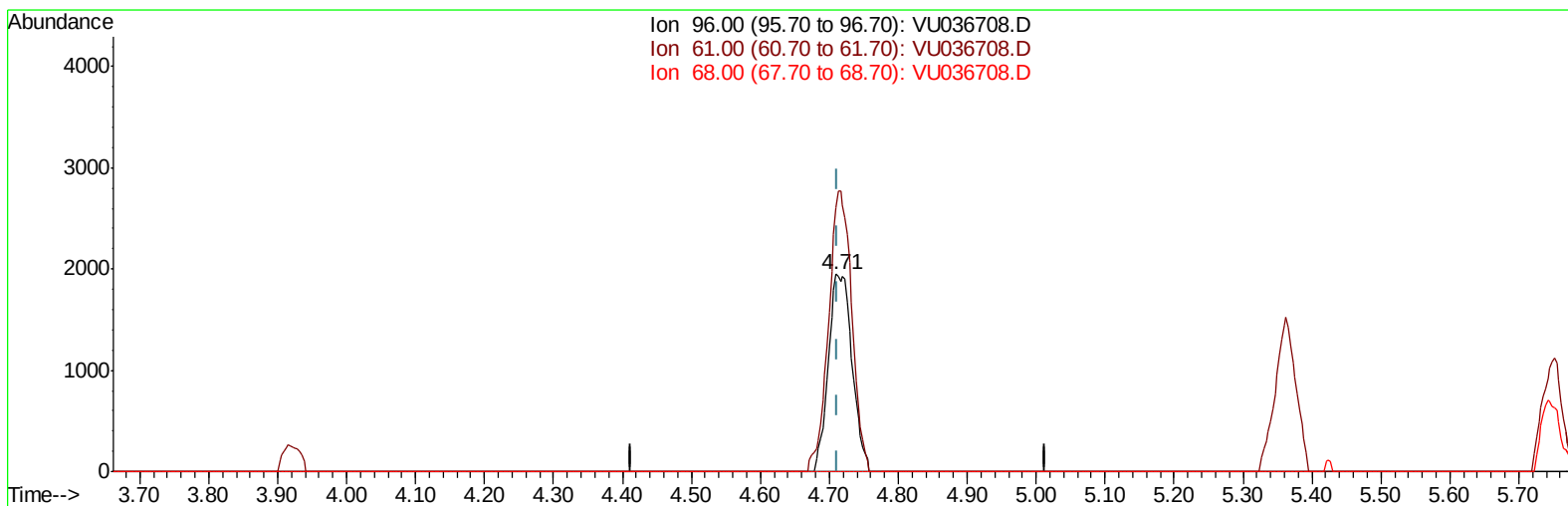
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU021020\
Data File : VU036708.D
Acq On : 10 Feb 2020 13:13
Operator : JC/MD
Sample : MDL03
Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:10:05 PM

Quant Time: Feb 11 03:34:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 11 03:31:43 2020
Response via : Initial Calibration



TIC: VU036708.D

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

4.710min (-0.003) 2.44ug/L m

response 4618

Ion	Exp%	Act%
96.00	100	100
61.00	133.30	133.88
68.00	0.00	0.00
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	255898	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	241449	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	104889	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72660	42.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.14%
7) Chloroethane-d5	1.93	69	71464	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.32%
11) 1,1-Dichloroethene-d2	2.59	63	106740	33.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.26%
21) 2-Butanone-d5	4.68	46	159482	109.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.53%
24) Chloroform-d	5.11	84	143241	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
26) 1,2-Dichloroethane-d4	5.75	65	103527	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
32) Benzene-d6	5.77	84	304737	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.73	67	102040	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.84%
41) Toluene-d8	7.93	98	273655	47.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.16%
43) trans-1,3-Dichloropropene-	8.21	79	46569	46.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.30%
47) 2-Hexanone-d5	8.67	63	126533	105.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.21%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152542	49.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.24%
66) 1,2-Dichlorobenzene-d4	12.21	152	95408	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	4237	2.396	ug/L	100
3) Chloromethane	1.54	50	5348	2.553	ug/L	100
5) Vinyl chloride	1.62	62	5228	2.317	ug/L #	59
6) Bromomethane	1.87	94	3239	2.290	ug/L	94
8) Chloroethane	1.95	64	3508	2.450	ug/L	92
9) Trichlorofluoromethane	2.16	101	6083	2.269	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4785	2.980	ug/L #	83
12) 1,1-Dichloroethene	2.61	96	4475	2.863	ug/L #	1
13) Acetone	2.66	43	10773	6.965	ug/L	99
14) Carbon disulfide	2.82	76	11136	2.384	ug/L	99
15) Methyl Acetate	2.99	43	5993	2.680	ug/L	96
16) Methylene chloride	3.08	84	5430	2.814	ug/L	93
17) trans-1,2-Dichloroethene	3.39	96	4058	2.440	ug/L	93
18) Methyl tert-butyl Ether	3.41	73	13758	2.383	ug/L	98
19) 1,1-Dichloroethane	3.92	63	7962	2.403	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	4618m	2.437	ug/L	
22) 2-Butanone	4.77	43	9479	5.164	ug/L	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	1972	2.221	ug/L	88
25) Chloroform	5.13	83	9666	2.999	ug/L	97
27) 1,2-Dichloroethane	5.84	62	6695	2.470	ug/L #	94
29) Cyclohexane	5.43	56	6962	2.245	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	6238	2.432	ug/L	98
31) Carbon tetrachloride	5.57	117	4669	2.248	ug/L	99
33) Benzene	5.82	78	17075	2.338	ug/L	100
34) Trichloroethene	6.58	95	4393	2.433	ug/L	96
35) Methylcyclohexane	6.80	83	7618	2.395	ug/L	98
37) 1,2-Dichloropropane	6.83	63	5028	2.553	ug/L #	91
38) Bromodichloromethane	7.15	83	5748	2.402	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	7142	2.270	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	14608	4.695	ug/L	99
42) Toluene	8.00	91	19422	2.461	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	6621	2.409	ug/L	95
45) 1,1,2-Trichloroethane	8.43	97	4155	2.313	ug/L	97
46) Tetrachloroethene	8.58	164	3281	2.589	ug/L	94
48) 2-Hexanone	8.72	43	12567	4.951	ug/L	95
49) Dibromochloromethane	8.84	129	4043	2.301	ug/L	96
50) 1,2-Dibromoethane	8.95	107	4436	2.350	ug/L #	98
51) Chlorobenzene	9.47	112	11224	2.362	ug/L	99
52) Ethylbenzene	9.60	91	19389	2.236	ug/L	98
53) m,p-Xylene	9.72	106	7256	2.268	ug/L	100
54) o-xylene	10.13	106	6730	2.124	ug/L	99
55) Styrene	10.14	104	10997	2.082	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.81	83	7474	2.309	ug/L #	97
59) Bromoform	10.32	173	2422	2.090	ug/L #	96
60) 1,2,3-Trichloropropane	10.85	75	6402	2.595	ug/L	97
61) Isopropylbenzene	10.51	105	18345	2.349	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	15041	2.246	ug/L	97
63) 1,2,4-Trimethylbenzene	11.49	105	14377	2.150	ug/L	96
64) 1,3-Dichlorobenzene	11.77	146	8052	2.451	ug/L	95
65) 1,4-Dichlorobenzene	11.86	146	7524	2.275	ug/L	93
67) 1,2-Dichlorobenzene	12.23	146	8331	2.505	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	1668	2.366	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.24	180	4614	2.026	ug/L	95
70) 1,2,4-trichlorobenzene	13.85	180	3708	1.952	ug/L	96
71) Naphthalene	14.10	128	10379	1.550	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	3590	1.897	ug/L	94

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

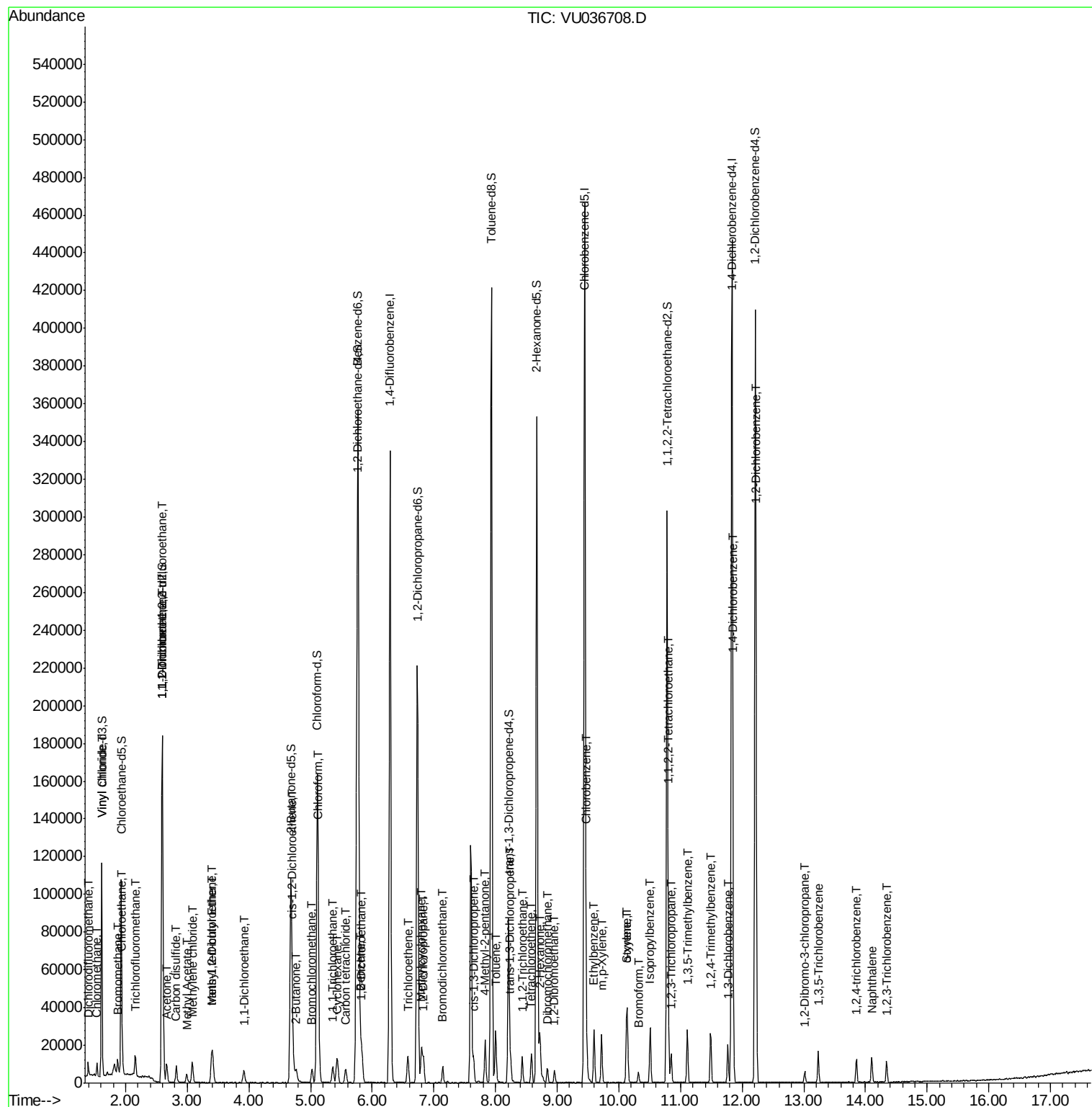
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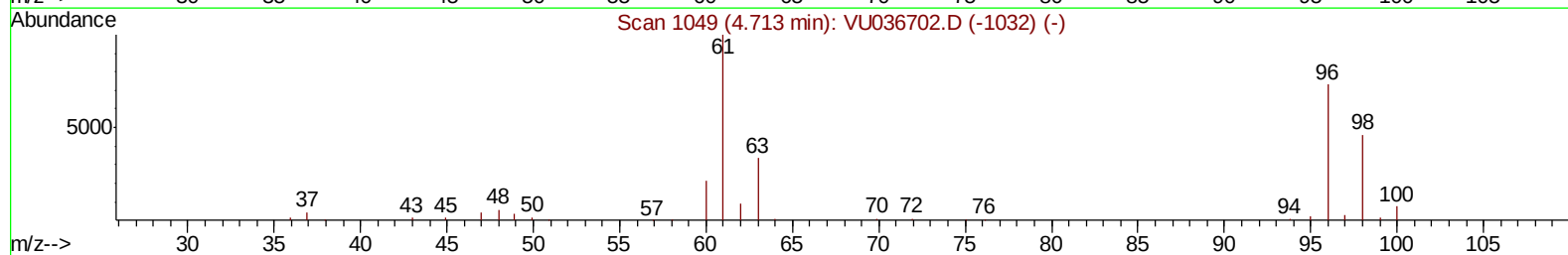
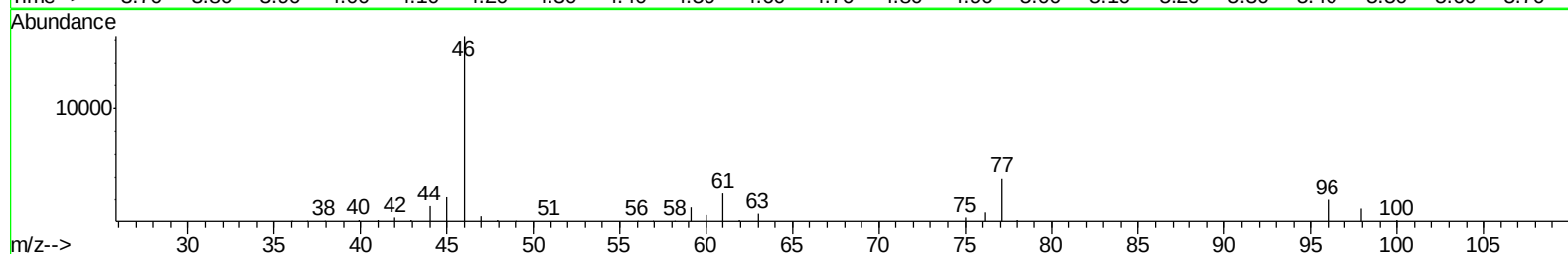
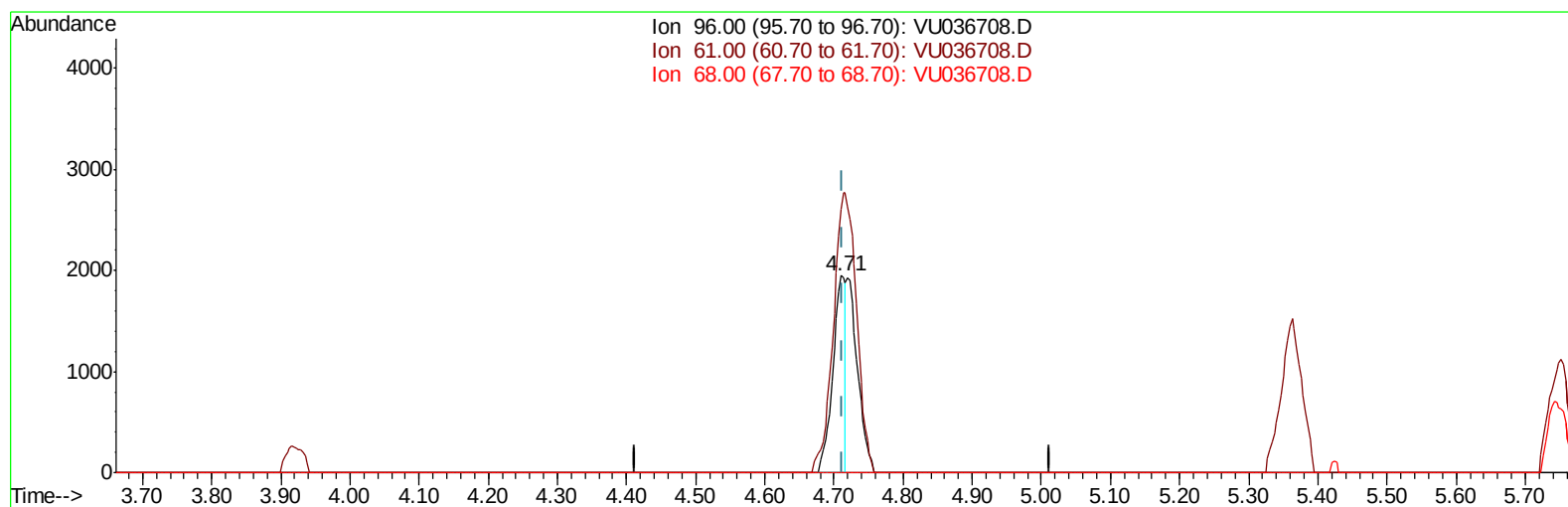
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4.710min (-0.003) 1.31ug/L

response 2488

Ion	Exp%	Act%
96.00	100	100
61.00	133.30	133.88
68.00	0.00	0.00
0.00	0.00	0.00