

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081319\
 Data File : VU033787.D
 Acq On : 13 Aug 2019 17:32
 Operator : JC/SP
 Sample : MDL06
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 10:44:53 AM

Quant Time: Aug 14 04:44:29 2019

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

Quant Title : VOC Analysis

QLast Update : Wed Aug 14 04:23:45 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	408802	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405780	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	188375	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	175859	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.67	69	149952	41.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.94%
11) 1,1-Dichloroethene-d2	2.26	63	231001	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.86%
21) 2-Butanone-d5	4.15	46	211766	98.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.62	84	276054	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
26) 1,2-Dichloroethane-d4	5.29	65	182978	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
32) Benzene-d6	5.32	84	563581	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
36) 1,2-Dichloropropane-d6	6.31	67	183401	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.55	98	507761	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%
43) trans-1,3-Dichloropropene-	7.83	79	82940	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
47) 2-Hexanone-d5	8.30	63	149327	99.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.34%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	249149	46.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.94%
66) 1,2-Dichlorobenzene-d4	11.84	152	197434	51.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9420	2.312 ug/L	95
3) Chloromethane	1.32	50	10036	2.372 ug/L	97
5) Vinyl chloride	1.39	62	11121	2.427 ug/L #	65
6) Bromomethane	1.62	94	6939	2.063 ug/L	96
8) Chloroethane	1.69	64	6762	2.065 ug/L	99
9) Trichlorofluoromethane	1.87	101	13193	2.241 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	8828	3.064 ug/L	85
12) 1,1-Dichloroethene	2.27	96	8635	3.046 ug/L #	1
13) Acetone	2.31	43	8697	4.421 ug/L	100
14) Carbon disulfide	2.46	76	21088	2.350 ug/L	95
15) Methyl Acetate	2.60	43	7668	2.332 ug/L	91
16) Methylene chloride	2.68	84	8813	2.723 ug/L	86
17) trans-1,2-Dichloroethene	2.97	96	6869	2.328 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	19534	2.227 ug/L	98
19) 1,1-Dichloroethane	3.42	63	13166	2.323 ug/L	95
20) cis-1,2-Dichloroethene	4.21	96	7670m	2.368 ug/L	
22) 2-Butanone	4.26	43	9396	3.931 ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	3827	2.280	ug/L	95
25) Chloroform	4.65	83	16236	2.756	ug/L	96
27) 1,2-Dichloroethane	5.39	62	10035	2.193	ug/L #	95
29) Cyclohexane	4.97	56	10200	2.287	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	11183	2.247	ug/L	98
31) Carbon tetrachloride	5.11	117	10063m	2.276	ug/L	
33) Benzene	5.37	78	28983	2.335	ug/L	100
34) Trichloroethene	6.17	95	7334	2.230	ug/L	95
35) Methylcyclohexane	6.39	83	10357	2.161	ug/L	98
37) 1,2-Dichloropropane	6.42	63	8164	2.413	ug/L #	93
38) Bromodichloromethane	6.74	83	9717	2.226	ug/L	92
39) cis-1,3-Dichloropropene	7.25	75	11293	2.262	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	17379	4.129	ug/L	97
42) Toluene	7.62	91	29977	2.286	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	10352	2.276	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	6694	2.097	ug/L	97
46) Tetrachloroethene	8.21	164	5786	2.243	ug/L	88
48) 2-Hexanone	8.35	43	18224	5.657	ug/L	95
49) Dibromochloromethane	8.46	129	7797	2.188	ug/L	93
50) 1,2-Dibromoethane	8.57	107	7804	2.330	ug/L	98
51) Chlorobenzene	9.10	112	19794	2.320	ug/L	95
52) Ethylbenzene	9.23	91	28835	2.090	ug/L	97
53) m,p-Xylene	9.36	106	10484	2.033	ug/L	99
54) o-xylene	9.76	106	9561	1.884	ug/L	99
55) Styrene	9.78	104	16102	1.869	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.44	83	12977	2.430	ug/L #	97
59) Bromoform	9.94	173	5826	2.421	ug/L #	96
60) 1,2,3-Trichloropropane	10.48	75	9307	2.455	ug/L	97
61) Isopropylbenzene	10.15	105	23882	2.048	ug/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	18799	1.997	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	18652	1.997	ug/L	97
64) 1,3-Dichlorobenzene	11.40	146	14089	2.408	ug/L	96
65) 1,4-Dichlorobenzene	11.49	146	15172	2.530	ug/L	92
67) 1,2-Dichlorobenzene	11.86	146	15349	2.582	ug/L #	91
68) 1,2-Dibromo-3-chloropropan	12.65	75	2392	2.263	ug/L	88
69) 1,3,5-Trichlorobenzene	12.88	180	10338	2.339	ug/L	92
70) 1,2,4-trichlorobenzene	13.50	180	5987	1.633	ug/L	91
71) Naphthalene	13.74	128	15120	1.386	ug/L	95
72) 1,2,3-Trichlorobenzene	13.98	180	7724	2.010	ug/L #	91

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

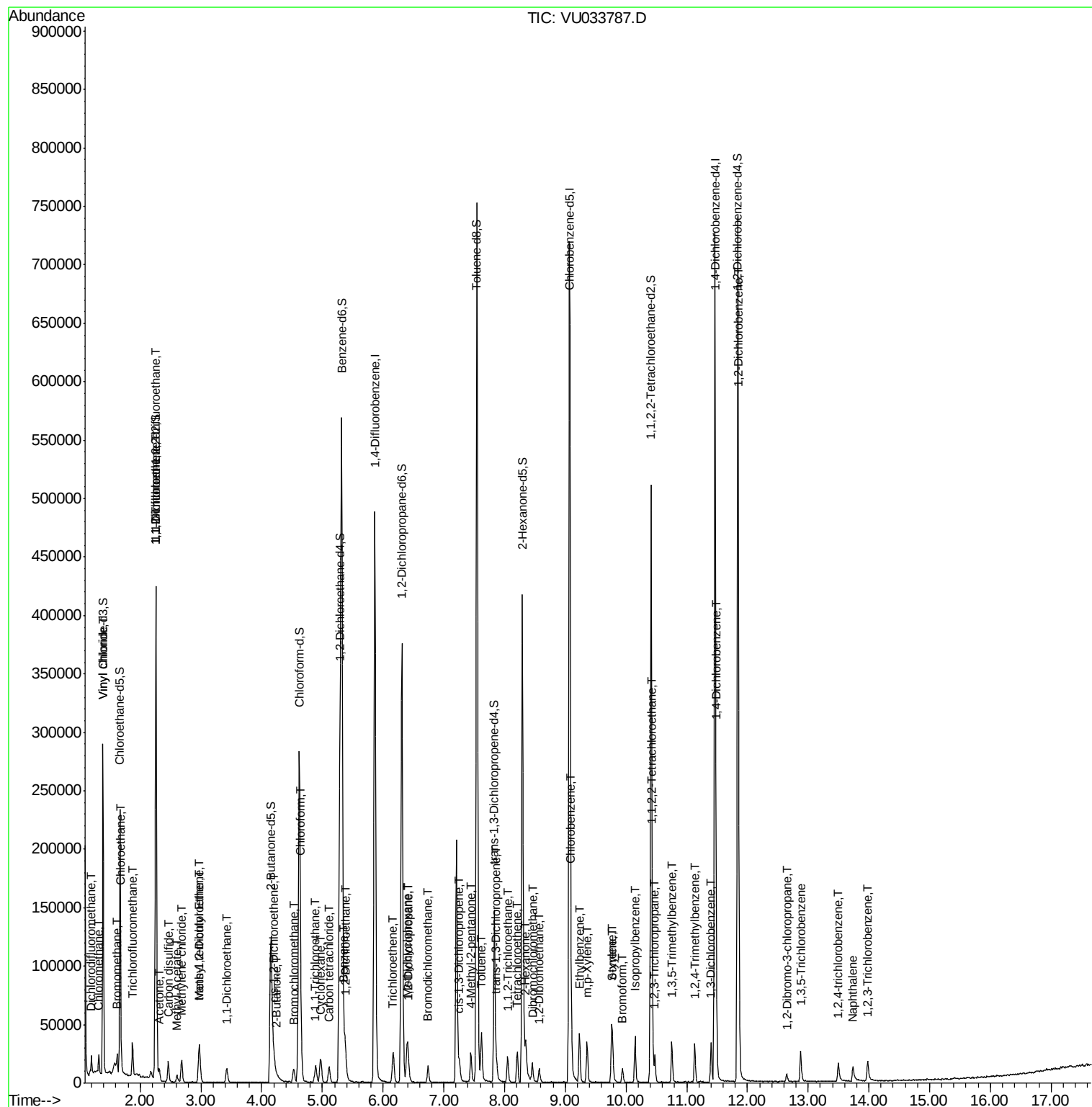
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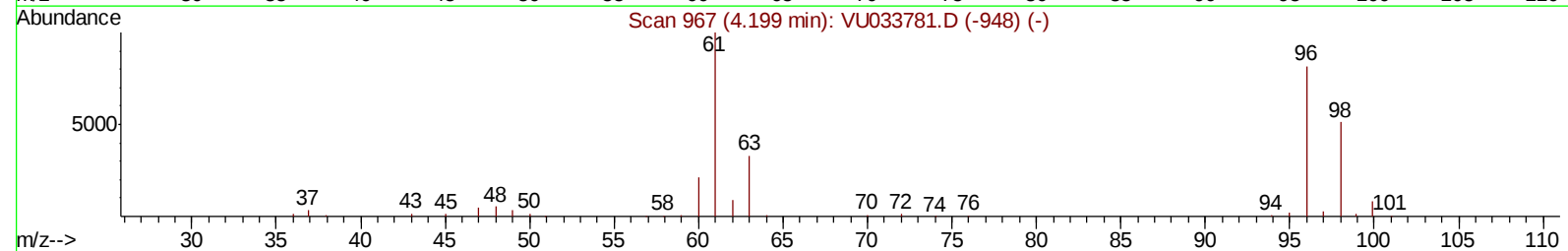
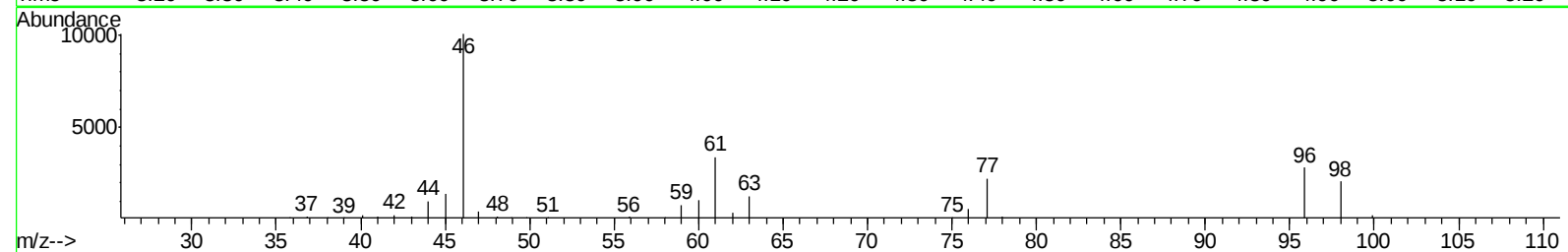
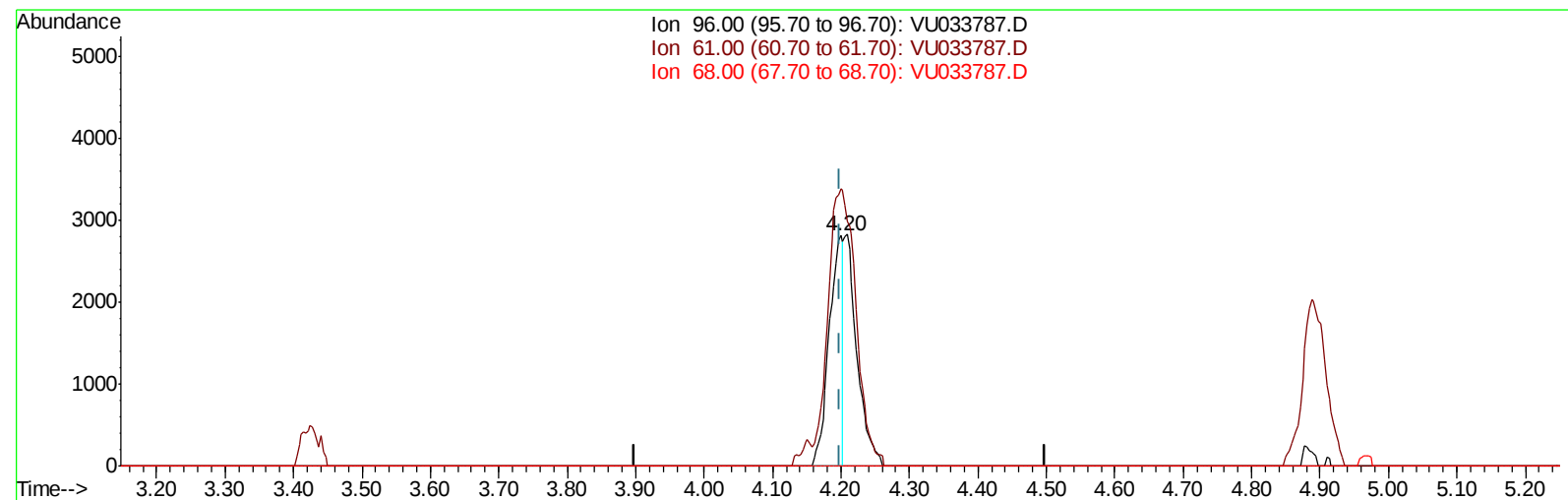
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TIC: VU033787.D

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

4.199min (-0.000) 1.23ug/L

response 3981

Ion	Exp%	Act%
96.00	100	100
61.00	126.10	120.48
68.00	0.00	0.00
0.00	0.00	0.00

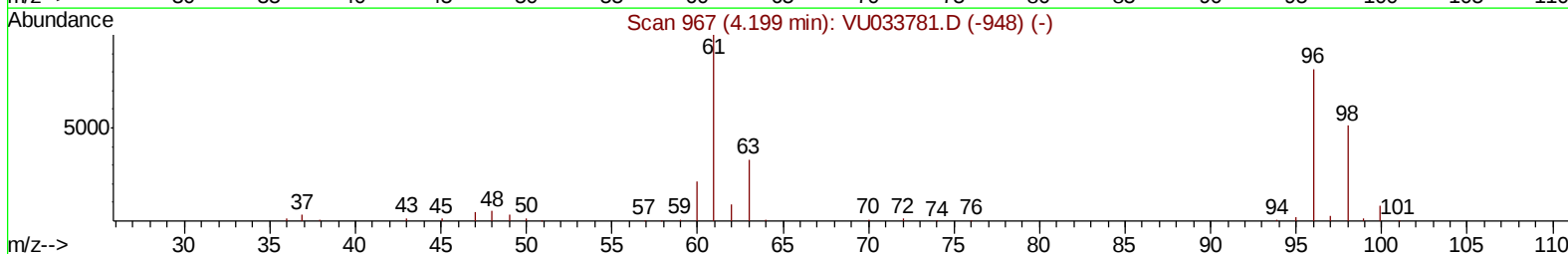
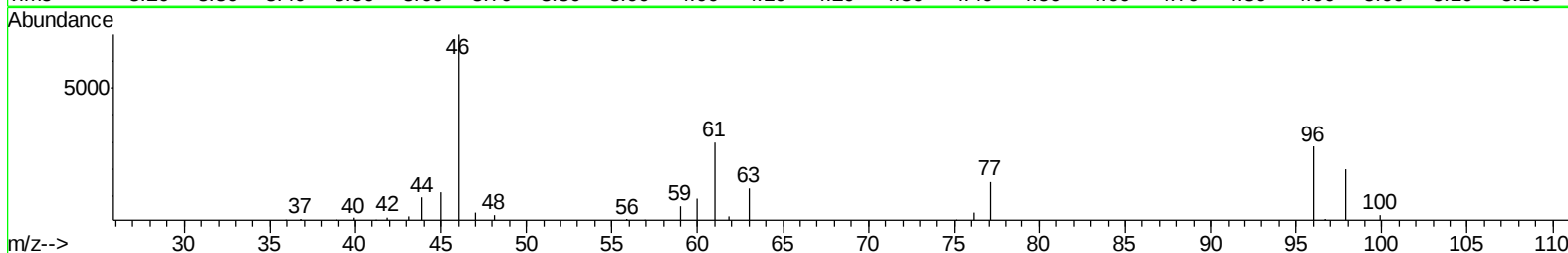
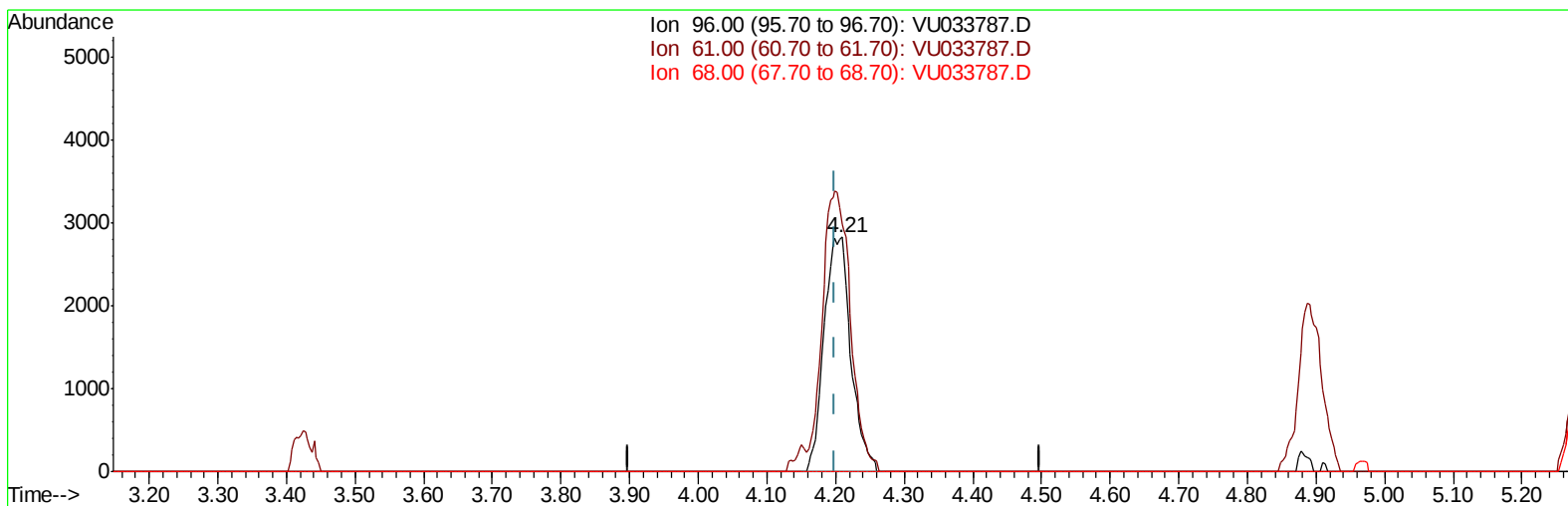
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TIC: VU033787.D

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

4.209min (+0.010) 2.37ug/L m

response 7670

Ion	Exp%	Act%
96.00	100	100
61.00	126.10	105.51
68.00	0.00	0.00
0.00	0.00	0.00

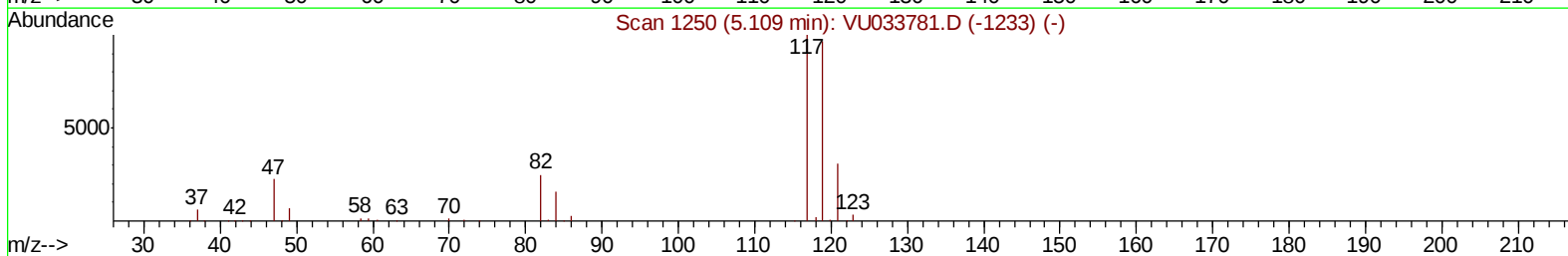
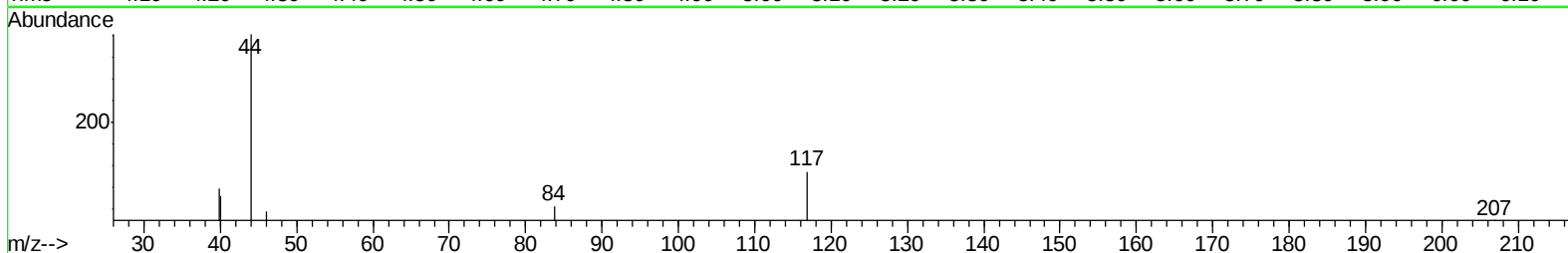
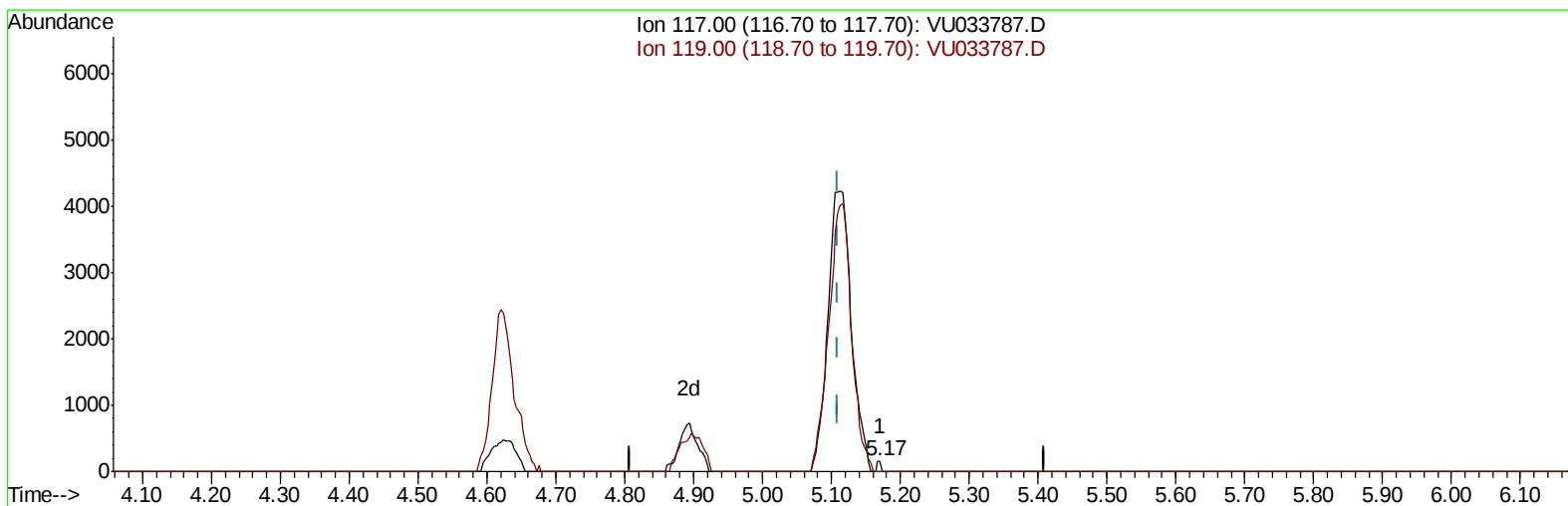
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(31) Carbon tetrachloride (T)

5.170min (+0.061) 0.01ug/L

response 58

Ion	Exp%	Act%
117.00	100	100
119.00	96.90	16229.31#
0.00	0.00	0.00
0.00	0.00	0.00

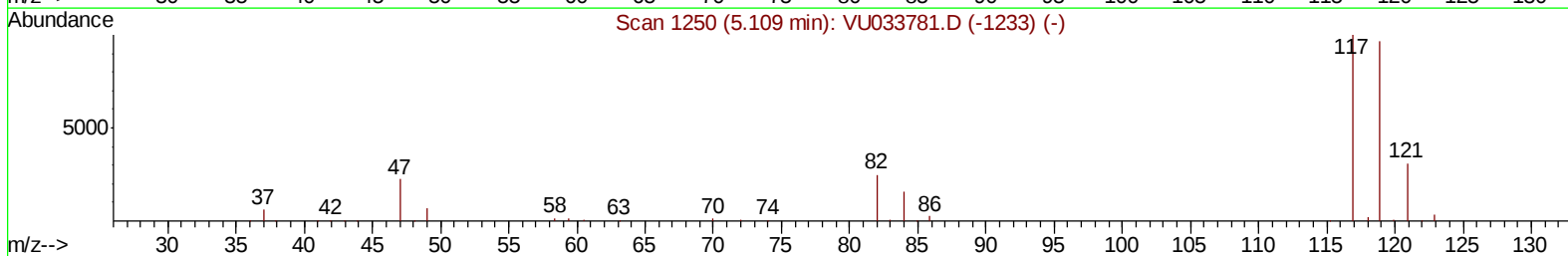
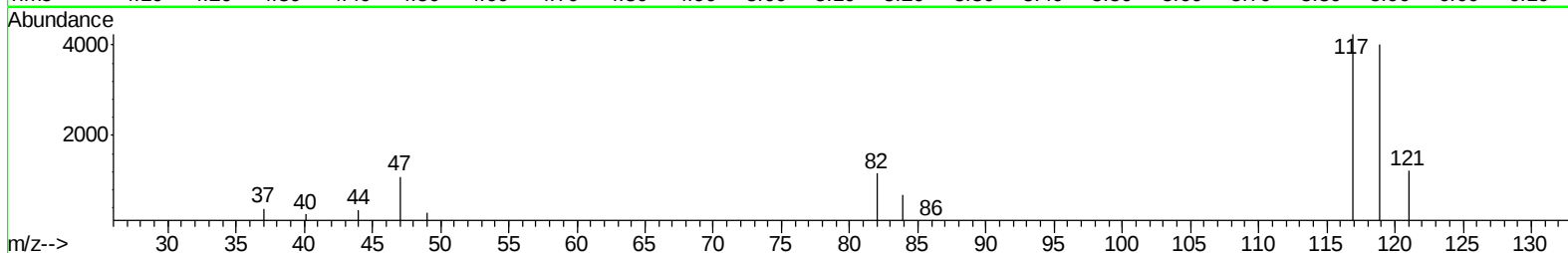
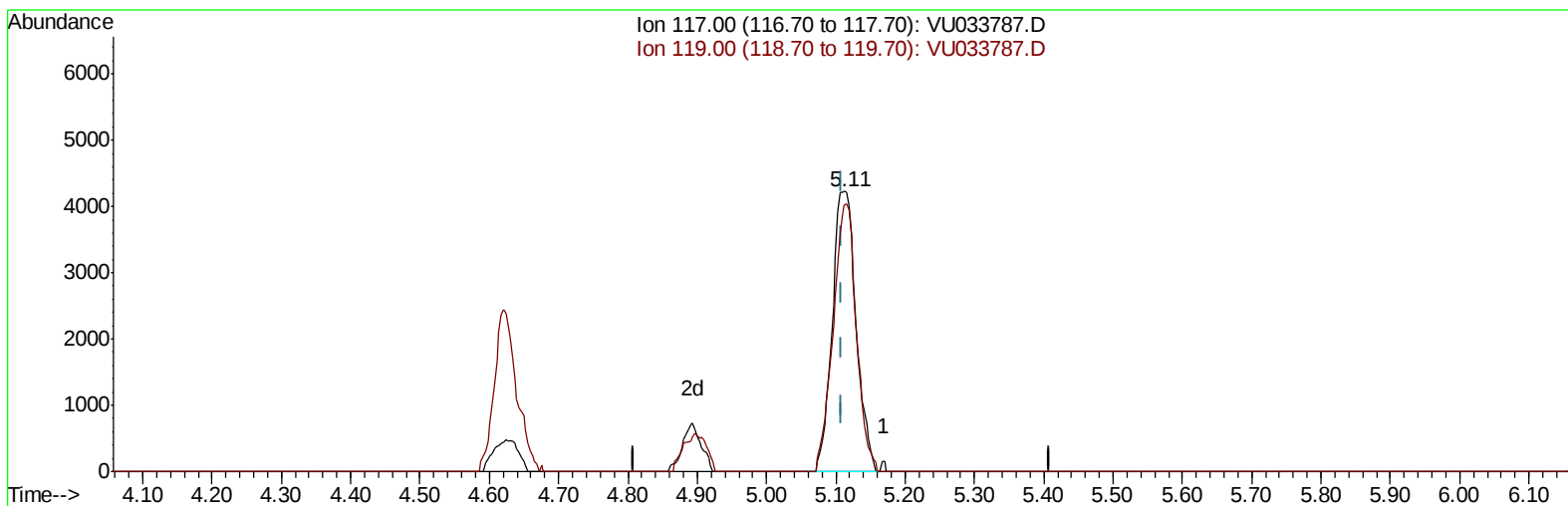
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(31) Carbon tetrachloride (T)

5.112min (+0.003) 2.28ug/L m

response 10063

Ion	Exp%	Act%
117.00	100	100
119.00	96.90	93.54
0.00	0.00	0.00
0.00	0.00	0.00