

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081319\
 Data File : VU033788.D
 Acq On : 13 Aug 2019 17:56
 Operator : JC/SP
 Sample : MDL07
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 10:44:58 AM

Quant Time: Aug 14 04:47:04 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	413701	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405394	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	192778	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	177201	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.67	69	154174	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.26%
11) 1,1-Dichloroethene-d2	2.26	63	233779	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.86%
21) 2-Butanone-d5	4.15	46	206735	94.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.58%
24) Chloroform-d	4.62	84	279406	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
26) 1,2-Dichloroethane-d4	5.29	65	181682	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
32) Benzene-d6	5.32	84	574537	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
36) 1,2-Dichloropropane-d6	6.31	67	182664	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.34%
41) Toluene-d8	7.55	98	510975	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%
43) trans-1,3-Dichloropropene-	7.83	79	83201	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.29	63	150825	100.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.43%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	249917	46.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.32%
66) 1,2-Dichlorobenzene-d4	11.84	152	197697	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	10219	2.478 ug/L	96
3) Chloromethane	1.32	50	11001	2.569 ug/L	94
5) Vinyl chloride	1.39	62	12707	2.741 ug/L #	69
6) Bromomethane	1.62	94	8438	2.479 ug/L	97
8) Chloroethane	1.69	64	7669	2.314 ug/L	98
9) Trichlorofluoromethane	1.87	101	15401	2.585 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	9480	3.251 ug/L	86
12) 1,1-Dichloroethene	2.27	96	9385	3.271 ug/L #	1
13) Acetone	2.31	43	8946	4.493 ug/L	99
14) Carbon disulfide	2.46	76	24491	2.697 ug/L	96
15) Methyl Acetate	2.60	43	8258	2.481 ug/L	93
16) Methylene chloride	2.68	84	9367	2.860 ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	7700	2.579 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	21366	2.407 ug/L	96
19) 1,1-Dichloroethane	3.42	63	15193	2.648 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	8220	2.507 ug/L	93
22) 2-Butanone	4.26	43	10947m	4.526 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	4616	2.717	ug/L	86
25) Chloroform	4.65	83	17607	2.953	ug/L	99
27) 1,2-Dichloroethane	5.39	62	13099	2.828	ug/L	98
29) Cyclohexane	4.97	56	10787	2.421	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	12969	2.608	ug/L	95
31) Carbon tetrachloride	5.11	117	11197	2.535	ug/L #	56
33) Benzene	5.37	78	32020	2.582	ug/L	100
34) Trichloroethene	6.17	95	8711	2.651	ug/L	88
35) Methylcyclohexane	6.40	83	12520	2.614	ug/L	92
37) 1,2-Dichloropropane	6.41	63	9022	2.670	ug/L	99
38) Bromodichloromethane	6.74	83	10901	2.500	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	11205	2.246	ug/L	93
40) 4-Methyl-2-pentanone	7.45	43	19207	4.568	ug/L	98
42) Toluene	7.62	91	33368	2.547	ug/L	95
44) trans-1,3-Dichloropropene	7.86	75	10892	2.397	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	7779	2.439	ug/L	98
46) Tetrachloroethene	8.21	164	6803	2.640	ug/L	96
48) 2-Hexanone	8.35	43	21211	6.590	ug/L	98
49) Dibromochloromethane	8.46	129	9003	2.528	ug/L	96
50) 1,2-Dibromoethane	8.57	107	8921	2.666	ug/L #	91
51) Chlorobenzene	9.10	112	21965	2.577	ug/L	96
52) Ethylbenzene	9.23	91	32763	2.377	ug/L	99
53) m,p-Xylene	9.36	106	11578	2.247	ug/L	94
54) o-xylene	9.76	106	10944	2.159	ug/L	93
55) Styrene	9.78	104	18296	2.126	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	14373	2.694	ug/L #	90
59) Bromoform	9.94	173	6249	2.537	ug/L #	95
60) 1,2,3-Trichloropropane	10.48	75	10645	2.744	ug/L	99
61) Isopropylbenzene	10.15	105	27888	2.337	ug/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	20394	2.117	ug/L	96
63) 1,2,4-Trimethylbenzene	11.13	105	19787	2.070	ug/L	97
64) 1,3-Dichlorobenzene	11.40	146	16350	2.731	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	17566	2.863	ug/L	96
67) 1,2-Dichlorobenzene	11.86	146	17293	2.842	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.64	75	2739	2.532	ug/L	92
69) 1,3,5-Trichlorobenzene	12.88	180	11637	2.573	ug/L	97
70) 1,2,4-trichlorobenzene	13.49	180	7975	2.126	ug/L	93
71) Naphthalene	13.74	128	17927m	1.606	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	8890	2.261	ug/L	97

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

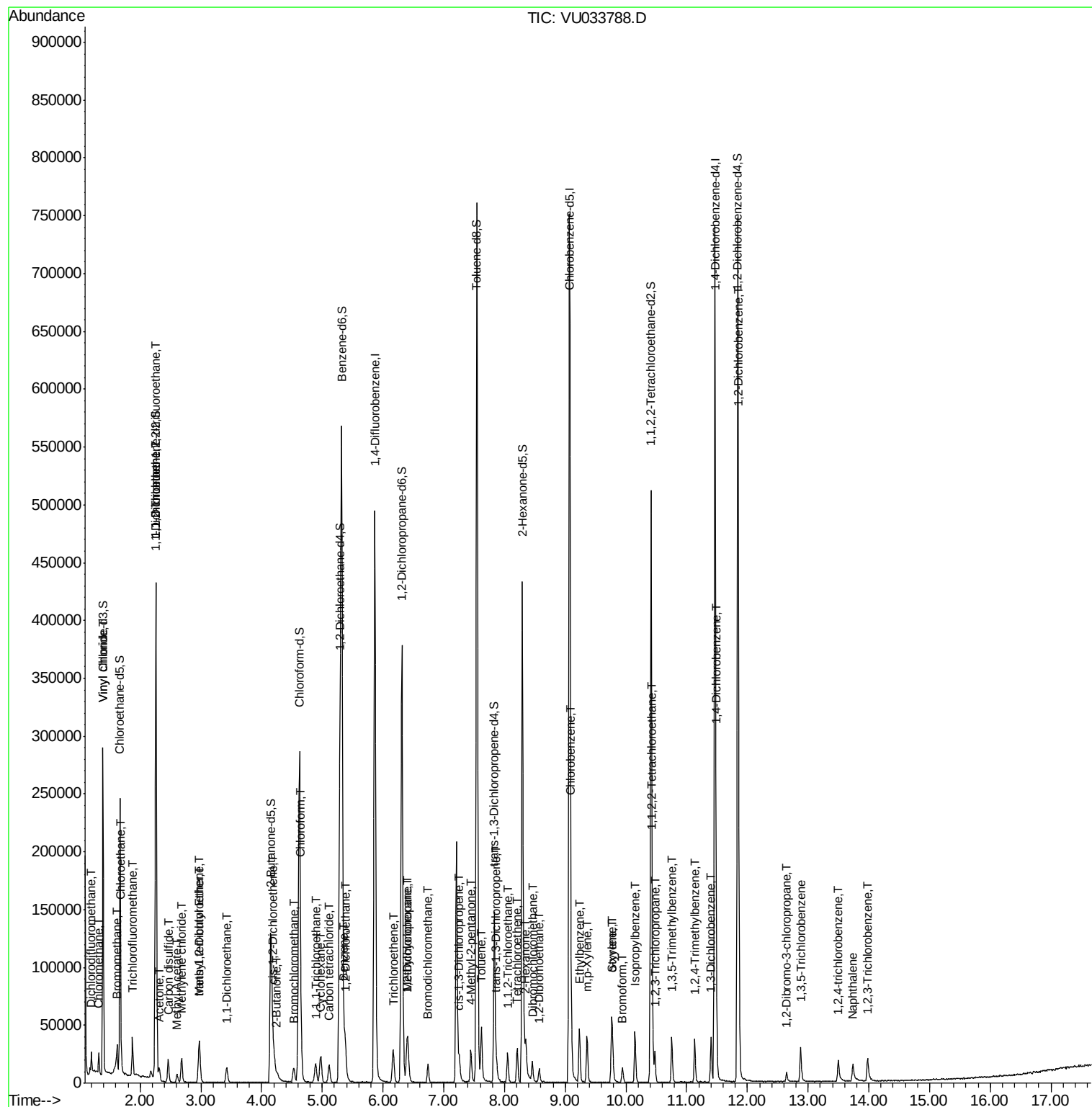
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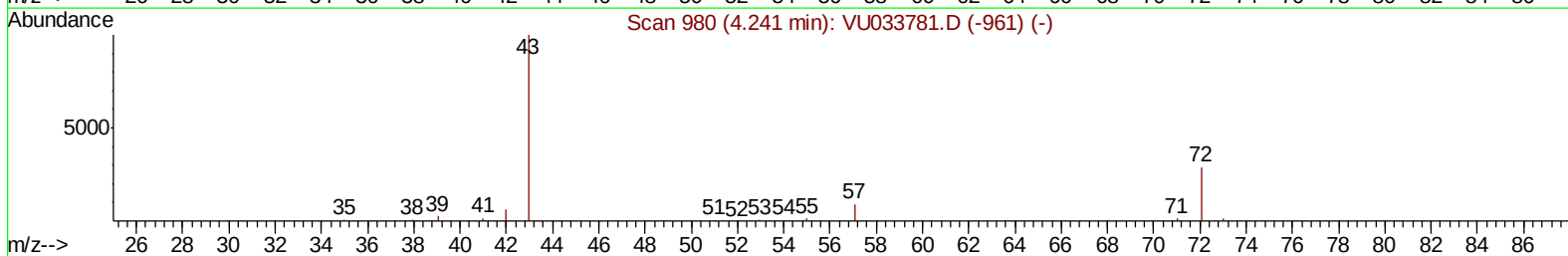
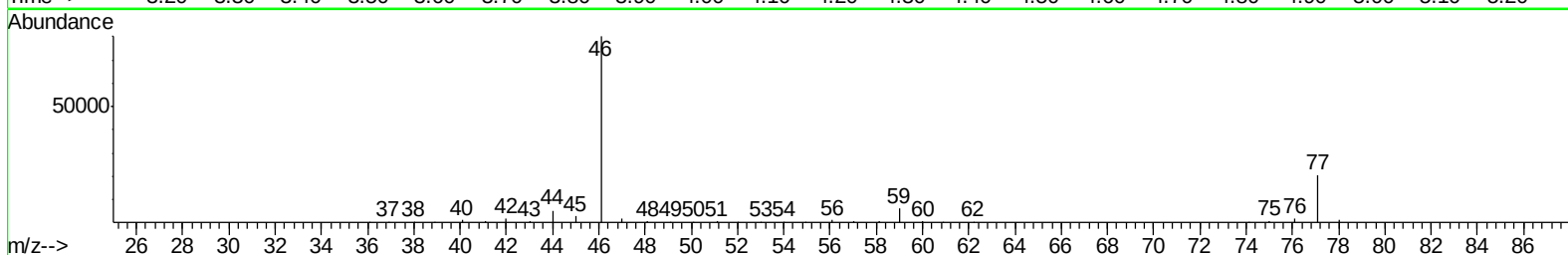
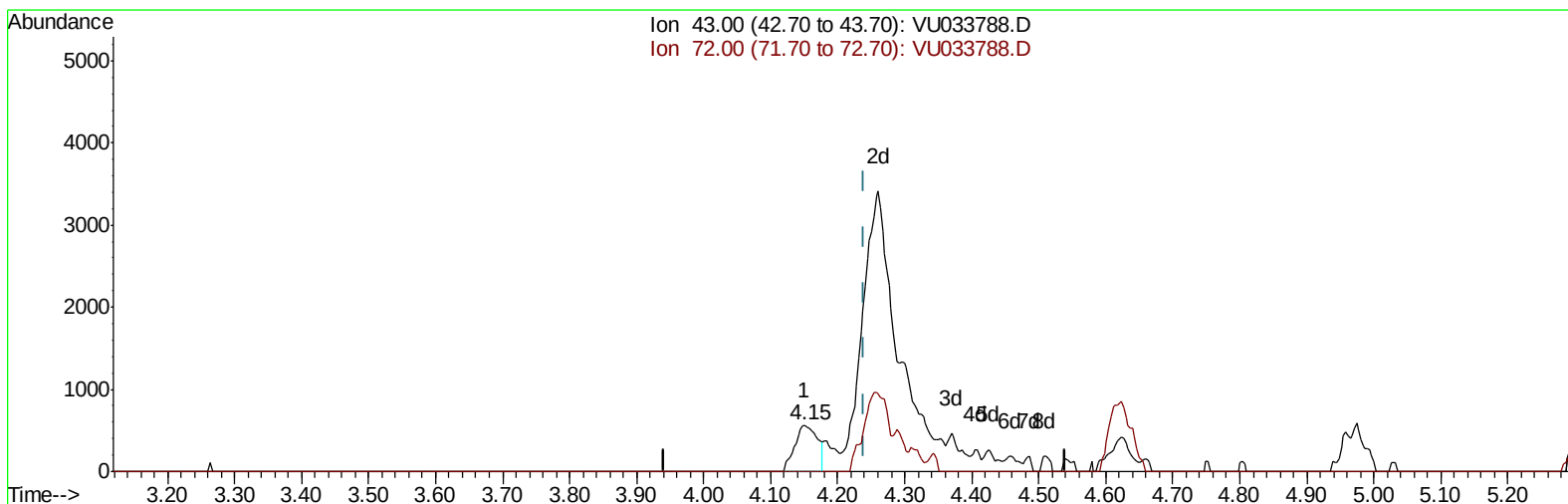
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(22) 2-Butanone (T)
 4.151min (-0.090) 0.56ug/L

response 1347

Ion	Exp%	Act%
43.00	100	100
72.00	29.00	15.44
0.00	0.00	0.00
0.00	0.00	0.00

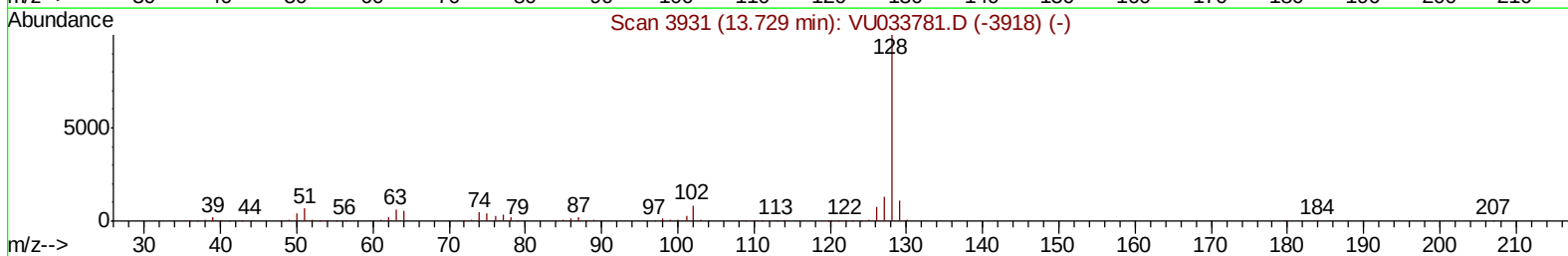
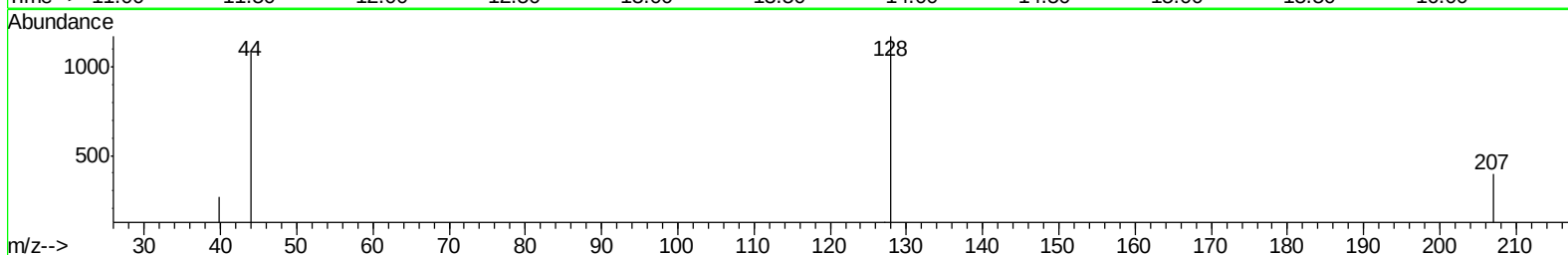
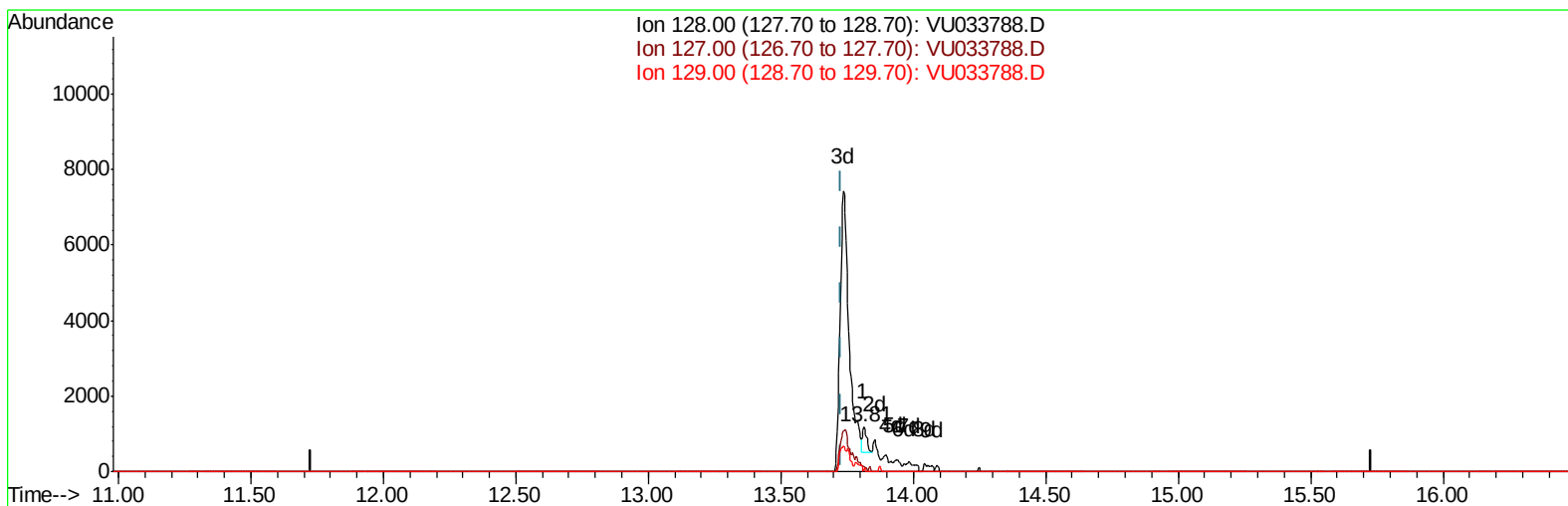
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(71) Naphthalene

13.813min (+0.084) 0.06ug/L

response 719

Ion	Exp%	Act%
128.00	100	100
127.00	13.70	16.41
129.00	10.60	10.57
0.00	0.00	0.00

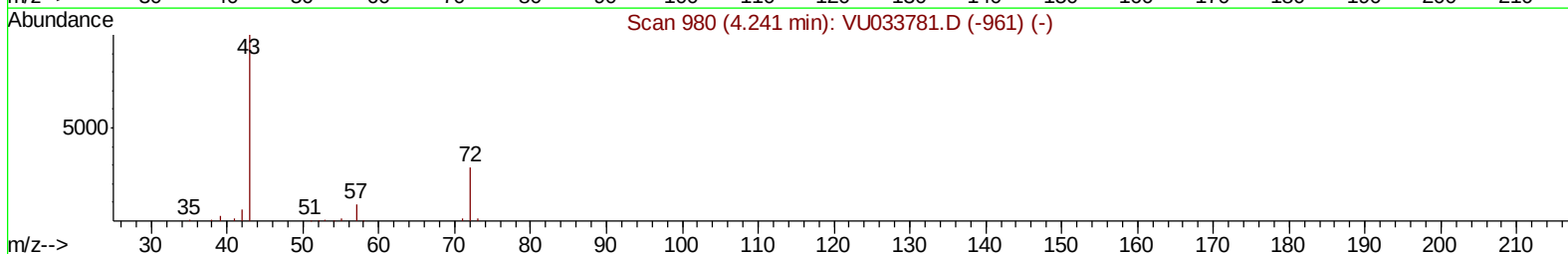
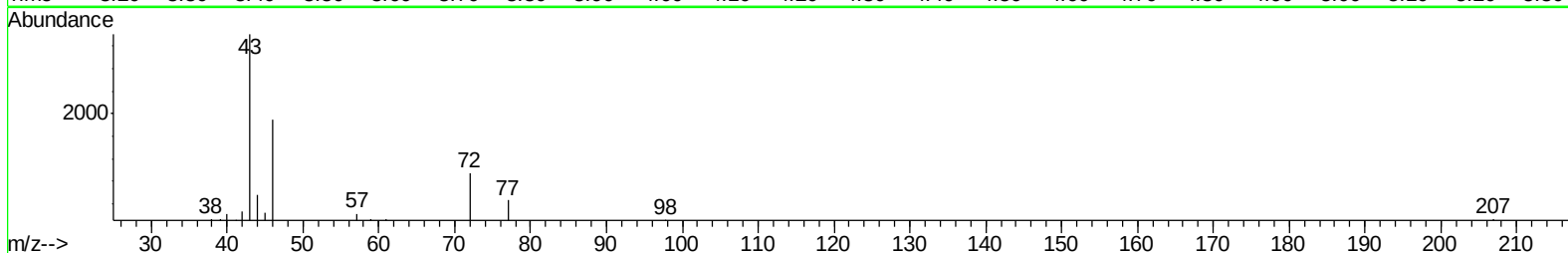
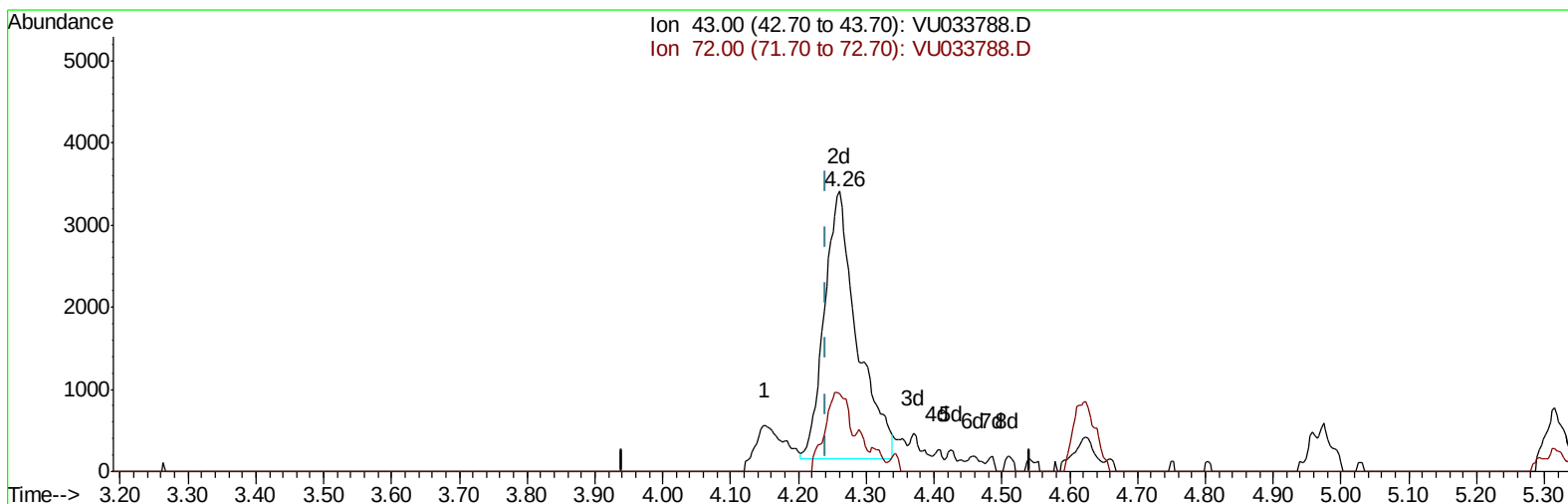
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(22) 2-Butanone (T)
 4.260min (+0.019) 4.53ug/L m
 response 10947

Ion	Exp%	Act%
43.00	100	100
72.00	29.00	1.90#
0.00	0.00	0.00
0.00	0.00	0.00

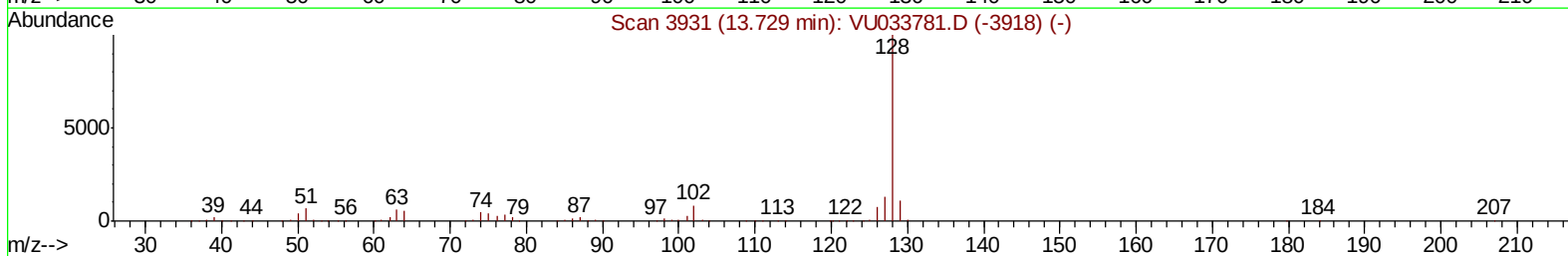
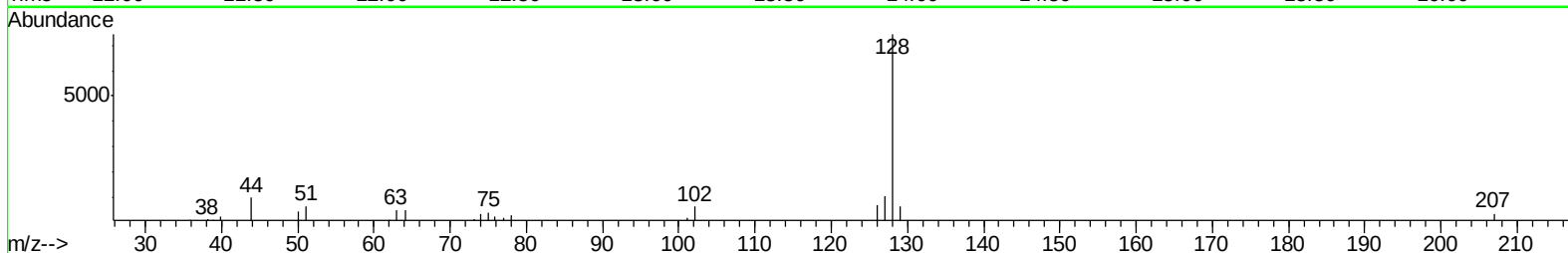
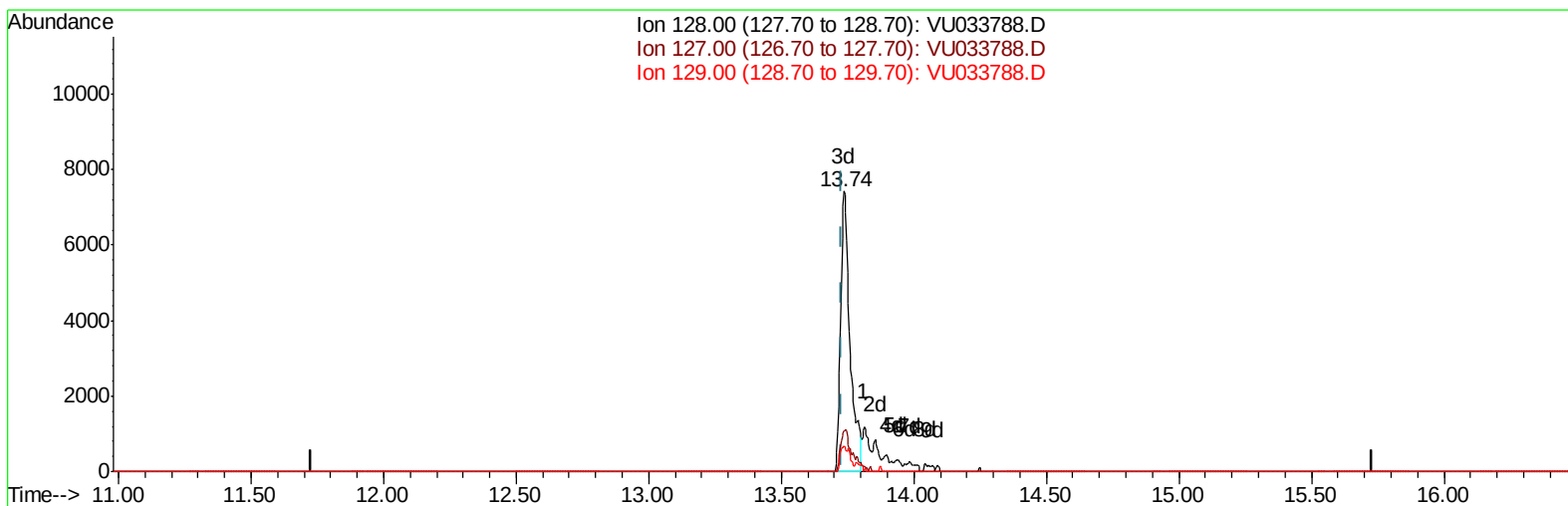
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(71) Naphthalene

13.736min (+0.007) 1.61ug/L m

response 17927

Ion	Exp%	Act%
128.00	100	100
127.00	13.70	0.66#
129.00	10.60	0.42#
0.00	0.00	0.00