

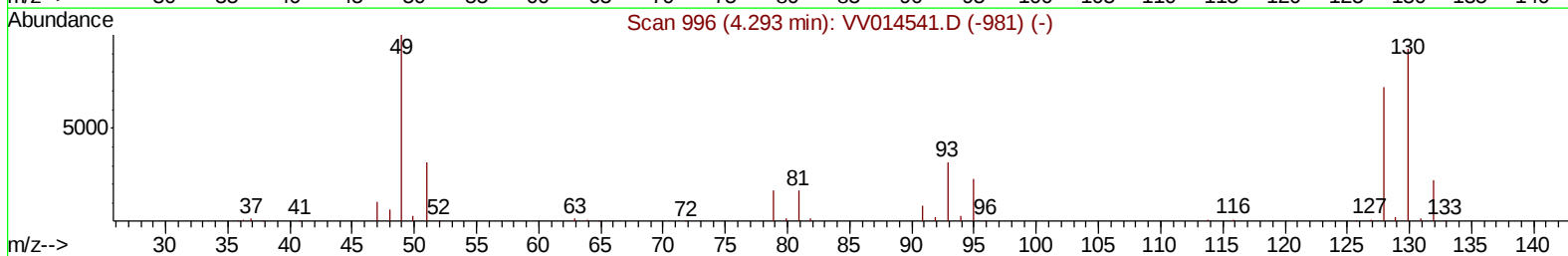
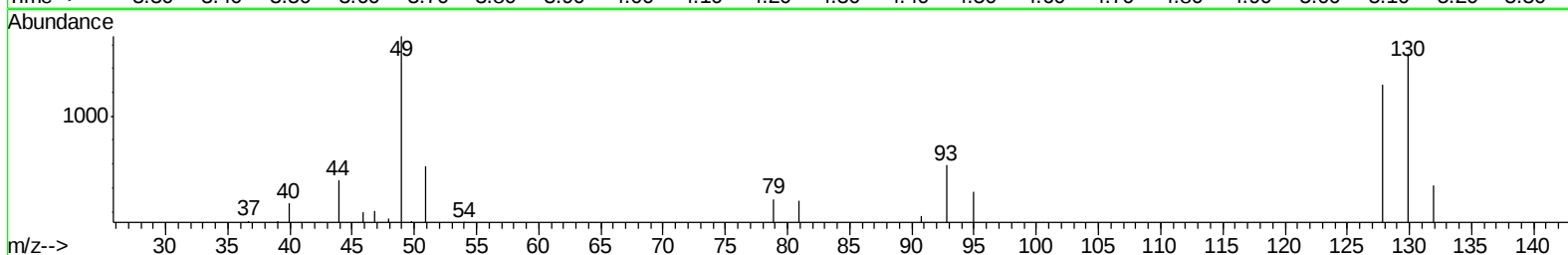
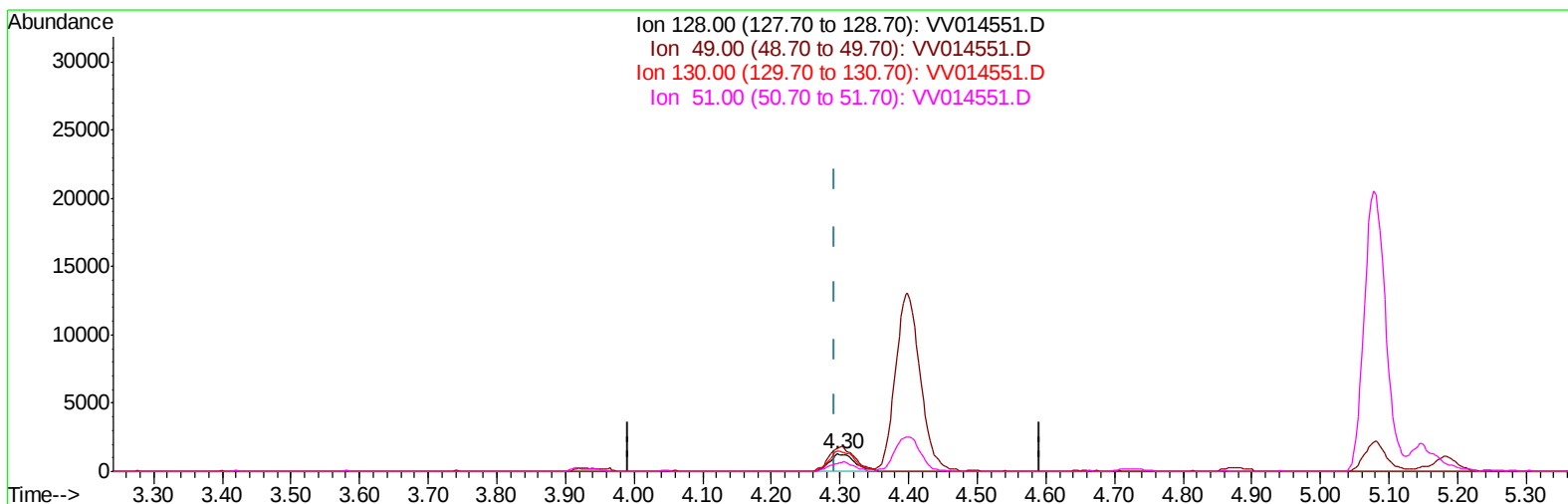
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
Data File : VV014551.D
Acq On : 10 Feb 2020 14:56
Operator : SY/MD
Sample : MDL07
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:06:31 PM

Quant Time: Feb 11 04:47:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 11 04:43:03 2020
Response via : Initial Calibration



TIC: VV014551.D

(23) Bromochloromethane (T)

4.296min (+0.003) 2.80ug/L m

response 3281

Ion	Exp%	Act%
128.00	100	100
49.00	157.30	132.12
130.00	126.50	119.94
51.00	49.20	46.04

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	324348	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	303747	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	151094	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70446	40.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.10%
7) Chloroethane-d5	1.59	69	50835	41.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.88%
11) 1,1-Dichloroethene-d2	2.13	63	88749	33.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.44%
21) 2-Butanone-d5	3.92	46	130880	96.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.39%
24) Chloroform-d	4.40	84	194763	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
26) 1,2-Dichloroethane-d4	5.08	65	126205	51.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.16%
32) Benzene-d6	5.10	84	409017	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
36) 1,2-Dichloropropane-d6	6.11	67	126919	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.42%
41) Toluene-d8	7.36	98	388159	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%
43) trans-1,3-Dichloropropene-	7.66	79	67087	48.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.02%
47) 2-Hexanone-d5	8.13	63	106730	97.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.27%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	170227	50.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.66%
66) 1,2-Dichlorobenzene-d4	11.67	152	150108	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	6873	2.645	ug/L	99
3) Chloromethane	1.26	50	6712	2.551	ug/L	96
5) Vinyl chloride	1.32	62	4948	2.456	ug/L #	68
6) Bromomethane	1.54	94	2262	2.441	ug/L	89
8) Chloroethane	1.60	64	2583	2.580	ug/L	98
9) Trichlorofluoromethane	1.77	101	7361	2.712	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4314	3.310	ug/L #	79
12) 1,1-Dichloroethene	2.14	96	3834	3.076	ug/L #	1
13) Acetone	2.19	43	7371	6.484	ug/L	96
14) Carbon disulfide	2.32	76	14739	2.435	ug/L	98
15) Methyl Acetate	2.46	43	5244	2.399	ug/L	95
16) Methylene chloride	2.54	84	6706	2.832	ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	5909	2.690	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	17998	2.588	ug/L	99
19) 1,1-Dichloroethane	3.23	63	9302	2.368	ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	6371	2.578	ug/L	91
22) 2-Butanone	4.03	43	6853	4.076	ug/L	88

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

23) Bromochloromethane	4.30	128	3281m	2.803	ug/L	
25) Chloroform	4.42	83	15093	3.779	ug/L	99
27) 1,2-Dichloroethane	5.18	62	8845	2.972	ug/L	97
29) Cyclohexane	4.73	56	9326	2.497	ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	9577	2.763	ug/L	97
31) Carbon tetrachloride	4.87	117	8683	2.839	ug/L	92
33) Benzene	5.15	78	24378	2.730	ug/L	100
34) Trichloroethene	5.96	95	6426	2.715	ug/L	95
35) Methylcyclohexane	6.18	83	9837	2.543	ug/L	95
37) 1,2-Dichloropropane	6.22	63	5571	2.449	ug/L	98
38) Bromodichloromethane	6.56	83	8133	2.664	ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	9885	2.605	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	13458	4.579	ug/L	99
42) Toluene	7.43	91	26239	2.740	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	9586	2.818	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	5985	2.743	ug/L	98
46) Tetrachloroethene	8.02	164	5222	2.892	ug/L	96
48) 2-Hexanone	8.18	43	11222	4.959	ug/L #	94
49) Dibromochloromethane	8.29	129	6279	2.549	ug/L	93
50) 1,2-Dibromoethane	8.40	107	6343	2.684	ug/L #	96
51) Chlorobenzene	8.92	112	17630	2.819	ug/L	98
52) Ethylbenzene	9.05	91	28949	2.696	ug/L	99
53) m,p-Xylene	9.18	106	10333	2.498	ug/L	98
54) o-Xylene	9.59	106	10519	2.657	ug/L	98
55) Styrene	9.60	104	17351	2.565	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	10548	3.084	ug/L	95
59) Bromoform	9.77	173	4200	2.492	ug/L #	93
60) Isopropylbenzene	9.97	105	27676	2.709	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	7627	2.850	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	22189	2.537	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	21163	2.454	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	13133	2.725	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	14246	2.871	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	13414	2.871	ug/L	90
68) 1,2-Dibromo-3-chloropropan	12.47	75	2271	3.031	ug/L	88
69) 1,3,5-Trichlorobenzene	12.69	180	9139	2.692	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	7688	2.466	ug/L	97
71) Naphthalene	13.55	128	25258	2.467	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	7221	2.384	ug/L	92

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

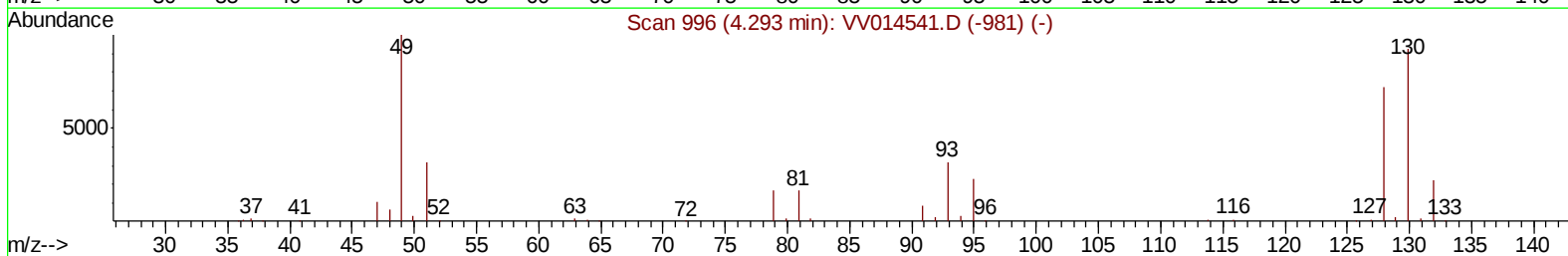
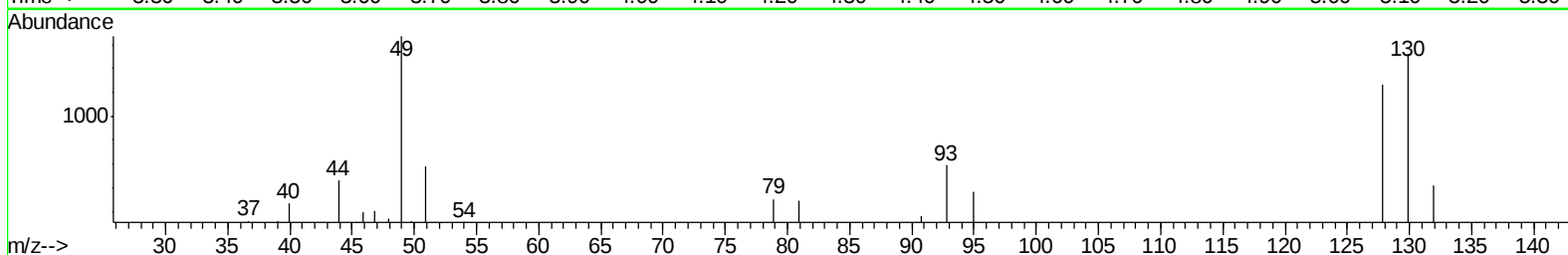
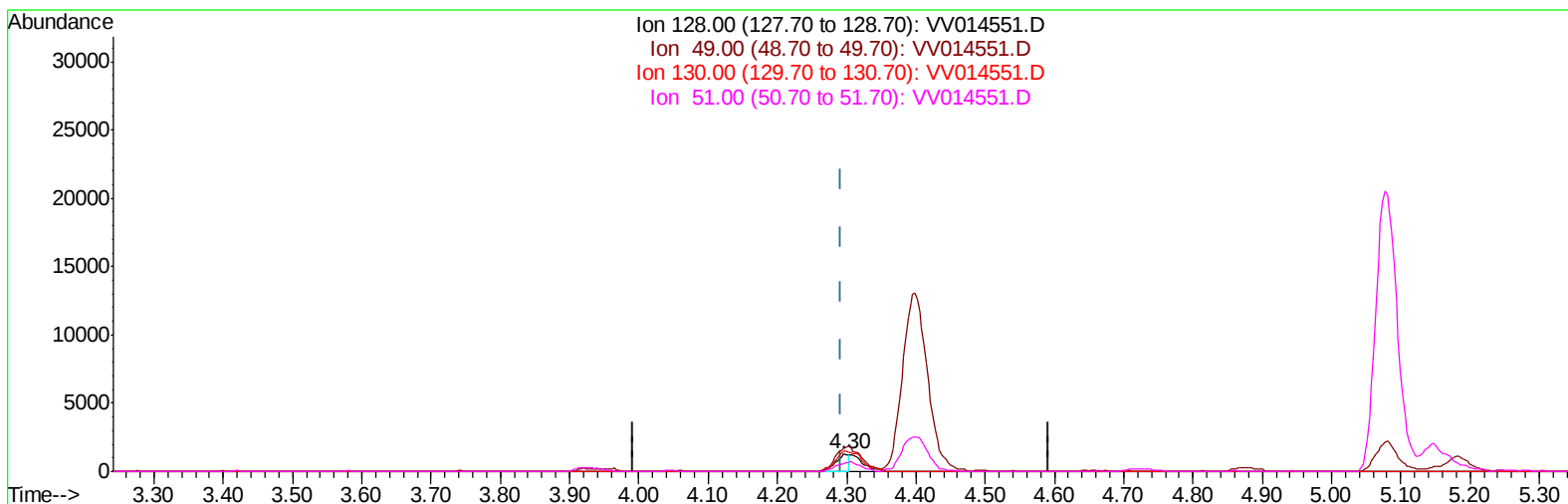
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