

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014549.D
 Acq On : 10 Feb 2020 14:09
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:06:25 PM

Quant Time: Feb 11 05:31:55 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	327955	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	305017	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	153127	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70445	39.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.22%
7) Chloroethane-d5	1.58	69	52201	42.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.18%
11) 1,1-Dichloroethene-d2	2.13	63	88277	32.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.36%
21) 2-Butanone-d5	3.92	46	130678	95.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.19%
24) Chloroform-d	4.40	84	195434	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	5.08	65	125638	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.58%
32) Benzene-d6	5.10	84	413603	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.94%
36) 1,2-Dichloropropane-d6	6.11	67	126711	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.86%
41) Toluene-d8	7.36	98	382842	49.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.46%
43) trans-1,3-Dichloropropene-	7.66	79	66861	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
47) 2-Hexanone-d5	8.13	63	105446	95.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.70%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	170050	50.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.12%
66) 1,2-Dichlorobenzene-d4	11.67	152	151256	51.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	6447	2.454	ug/L	98
3) Chloromethane	1.26	50	6262	2.354	ug/L	92
5) Vinyl chloride	1.32	62	4609	2.262	ug/L #	75
6) Bromomethane	1.53	94	1975	2.108	ug/L	88
8) Chloroethane	1.60	64	2124	2.098	ug/L	96
9) Trichlorofluoromethane	1.77	101	6695	2.439	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3855	2.925	ug/L #	84
12) 1,1-Dichloroethene	2.14	96	3648	2.894	ug/L #	1
13) Acetone	2.19	43	7039	6.124	ug/L	99
14) Carbon disulfide	2.32	76	13923	2.275	ug/L	95
15) Methyl Acetate	2.46	43	4967	2.247	ug/L	92
16) Methylene chloride	2.54	84	6923	2.892	ug/L	89
17) trans-1,2-Dichloroethene	2.79	96	5758	2.593	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	17241	2.452	ug/L #	96
19) 1,1-Dichloroethane	3.23	63	9547	2.404	ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	6243	2.498	ug/L	88
22) 2-Butanone	4.03	43	5954	3.502	ug/L	94

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

23) Bromochloromethane	4.31	128	2871m	2.426	ug/L	
25) Chloroform	4.42	83	14758	3.655	ug/L	95
27) 1,2-Dichloroethane	5.18	62	7936	2.638	ug/L	97
29) Cyclohexane	4.72	56	8585	2.289	ug/L #	87
30) 1,1,1-Trichloroethane	4.66	97	8718	2.504	ug/L	99
31) Carbon tetrachloride	4.87	117	7641	2.488	ug/L	92
33) Benzene	5.15	78	22434	2.502	ug/L	100
34) Trichloroethene	5.96	95	5944	2.501	ug/L	92
35) Methylcyclohexane	6.18	83	9439	2.430	ug/L	97
37) 1,2-Dichloropropane	6.22	63	5263	2.304	ug/L	98
38) Bromodichloromethane	6.55	83	7772	2.535	ug/L #	92
39) cis-1,3-Dichloropropene	7.07	75	9500	2.493	ug/L	94
40) 4-Methyl-2-pentanone	7.27	43	12959	4.390	ug/L	100
42) Toluene	7.43	91	24815	2.581	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	8260	2.418	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	5386	2.458	ug/L	93
46) Tetrachloroethene	8.02	164	4618	2.547	ug/L	96
48) 2-Hexanone	8.18	43	11972	5.269	ug/L	89
49) Dibromochloromethane	8.29	129	5881	2.377	ug/L	90
50) 1,2-Dibromoethane	8.39	107	5872	2.474	ug/L	99
51) Chlorobenzene	8.92	112	15937	2.538	ug/L	97
52) Ethylbenzene	9.05	91	26882	2.493	ug/L	98
53) m,p-Xylene	9.18	106	10260	2.470	ug/L	99
54) o-Xylene	9.59	106	9956	2.505	ug/L	98
55) Styrene	9.60	104	16844	2.479	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	9432	2.746	ug/L #	94
59) Bromoform	9.77	173	3929	2.300	ug/L #	91
60) Isopropylbenzene	9.97	105	26194	2.530	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	6792	2.505	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	20327	2.293	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	20130	2.303	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	12192	2.496	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	13165	2.618	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	12886	2.721	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	1895	2.495	ug/L #	89
69) 1,3,5-Trichlorobenzene	12.69	180	8330	2.421	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	7656	2.423	ug/L	99
71) Naphthalene	13.55	128	23291	2.244	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	6815	2.220	ug/L	96

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

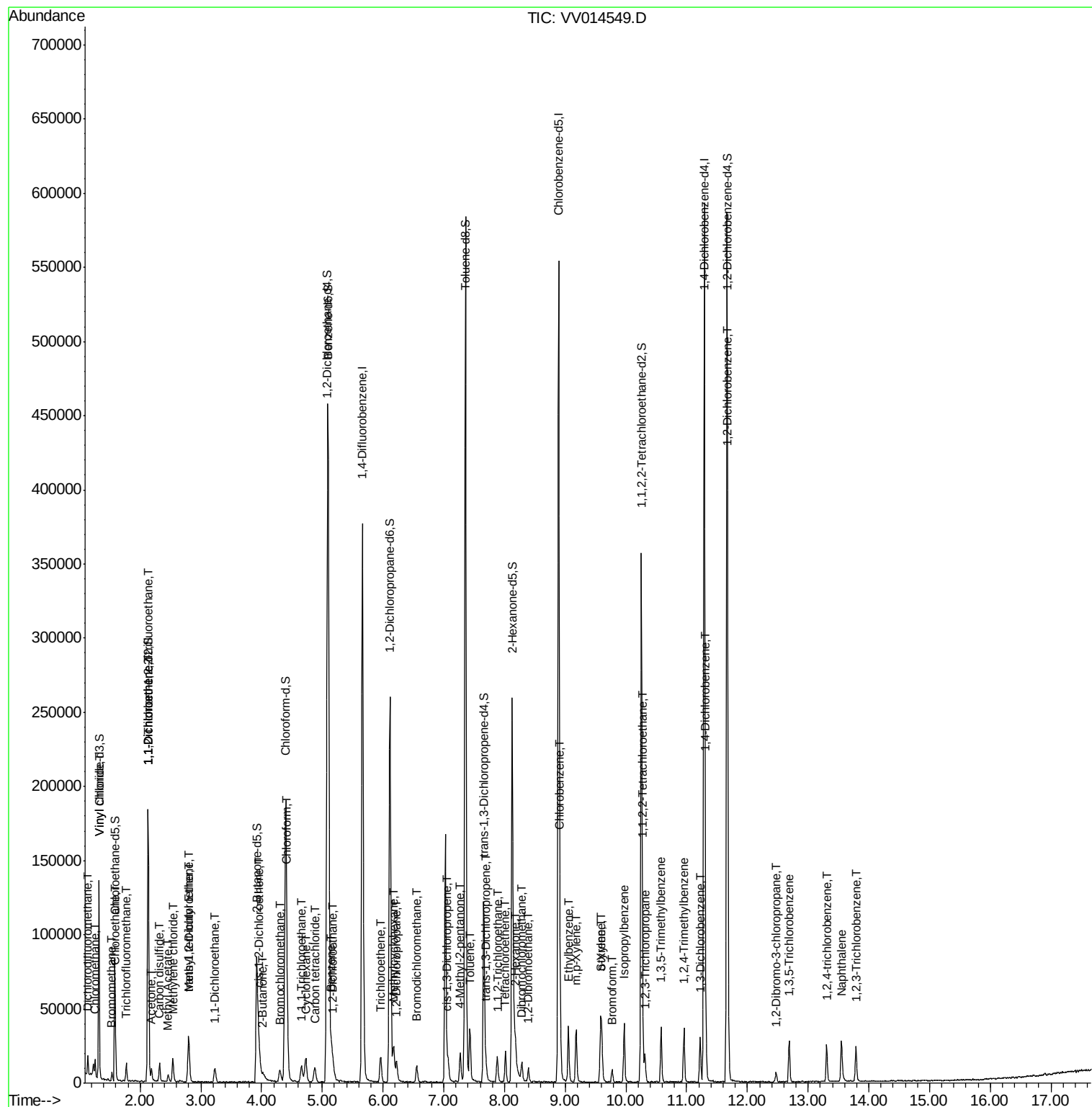
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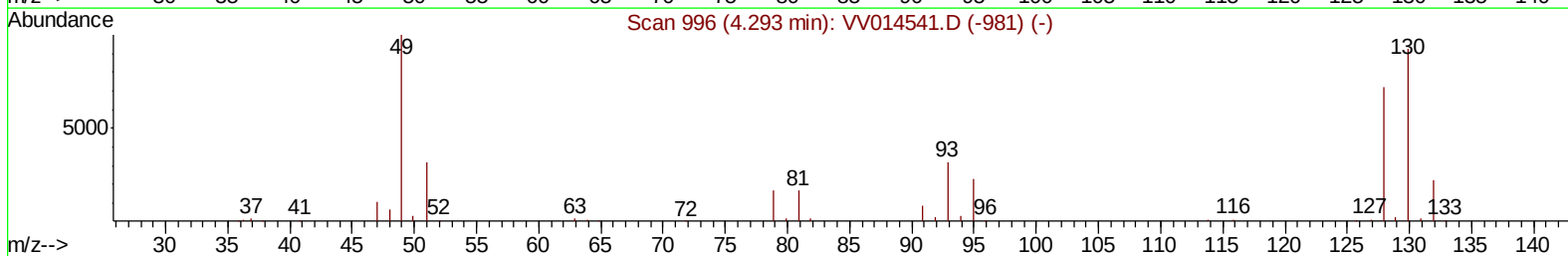
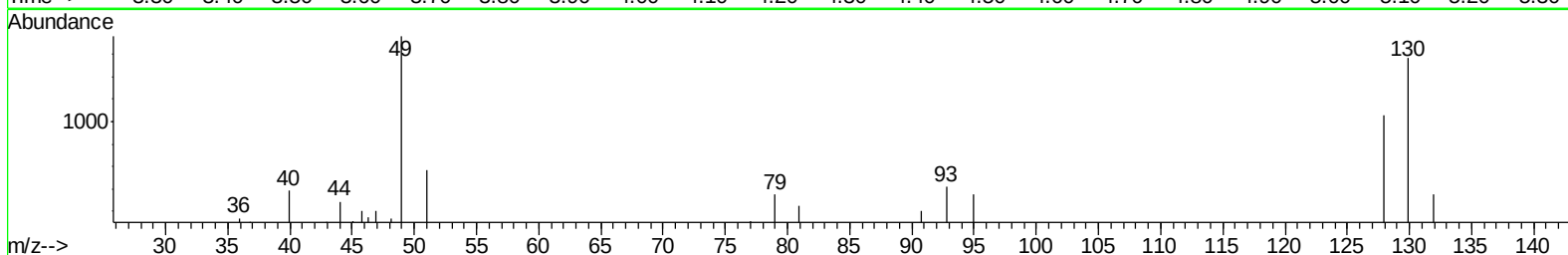
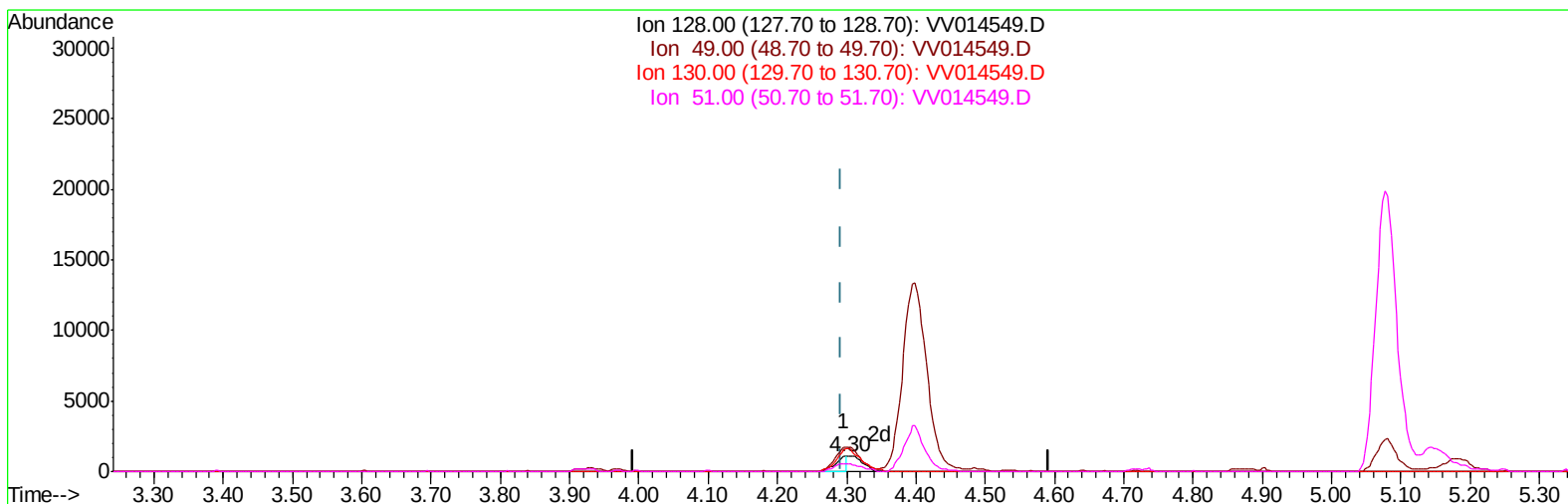
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TIC: VV014549.D

(23) Bromochloromethane (T)

4.296min (+0.003) 1.04ug/L

response 1230

Ion	Exp%	Act%
128.00	100	100
49.00	157.30	165.69
130.00	126.50	147.22
51.00	49.20	53.35

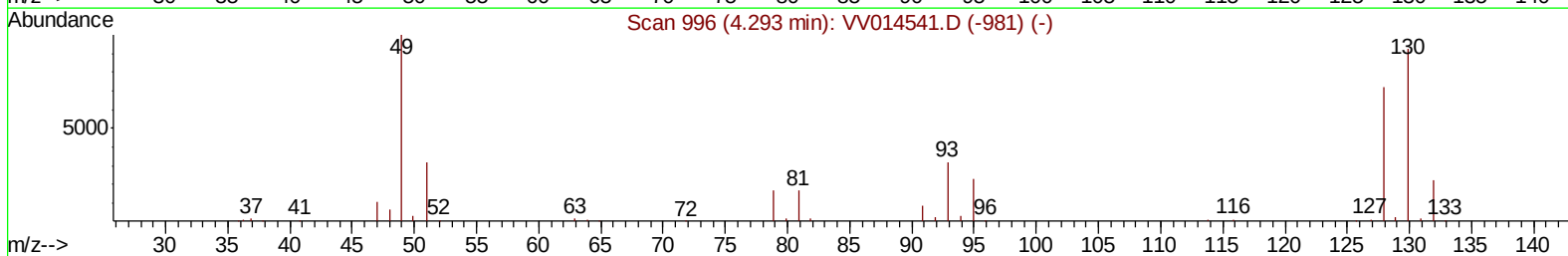
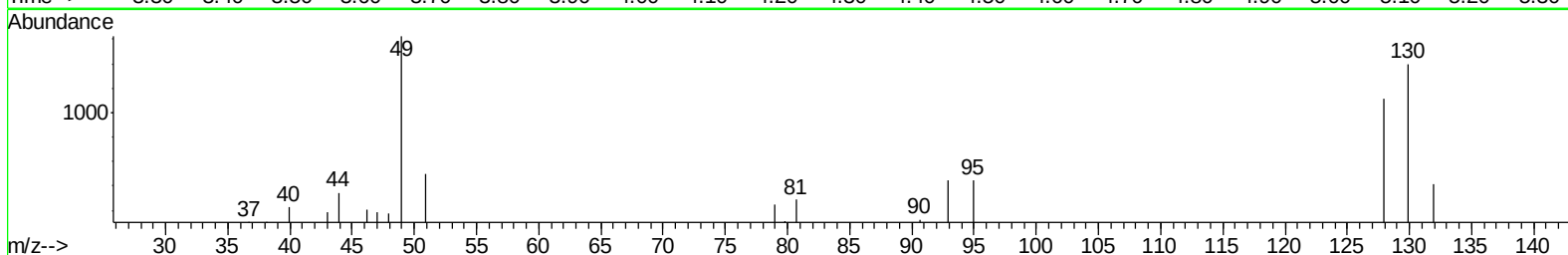
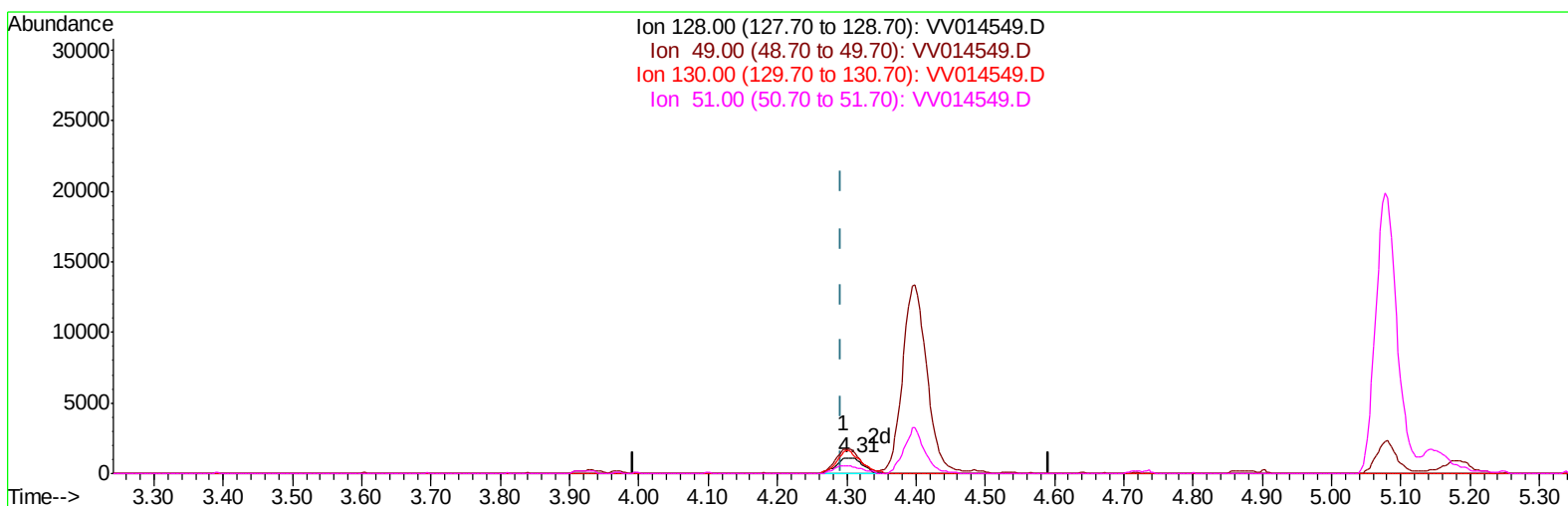
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TIC: VV014549.D

(23) Bromochloromethane (T)

4.309min (+0.016) 2.43ug/L m

response 2871

Ion	Exp%	Act%
128.00	100	100
49.00	157.30	146.26
130.00	126.50	126.01
51.00	49.20	44.46