

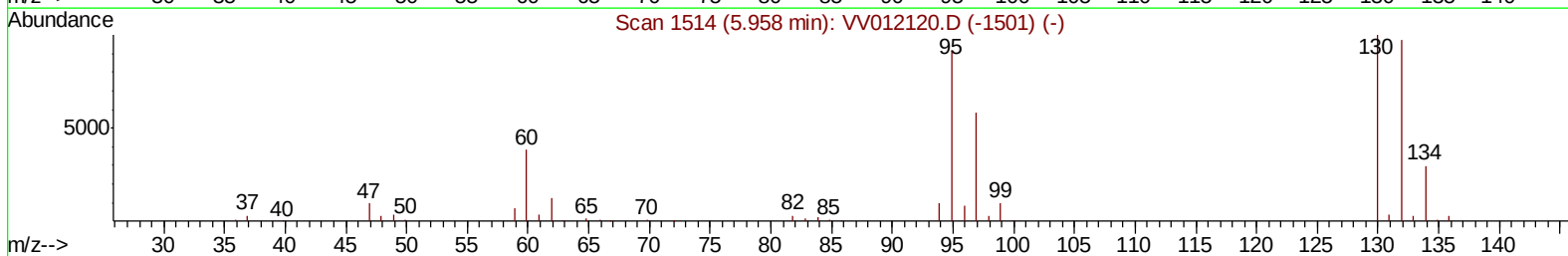
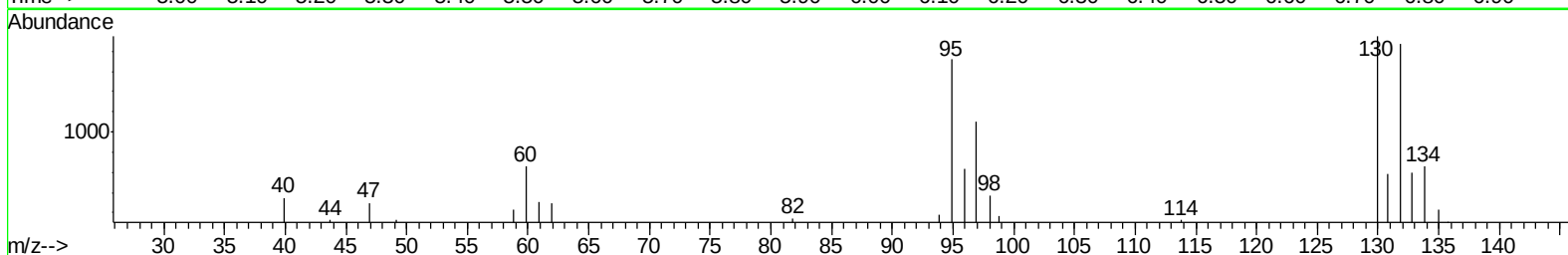
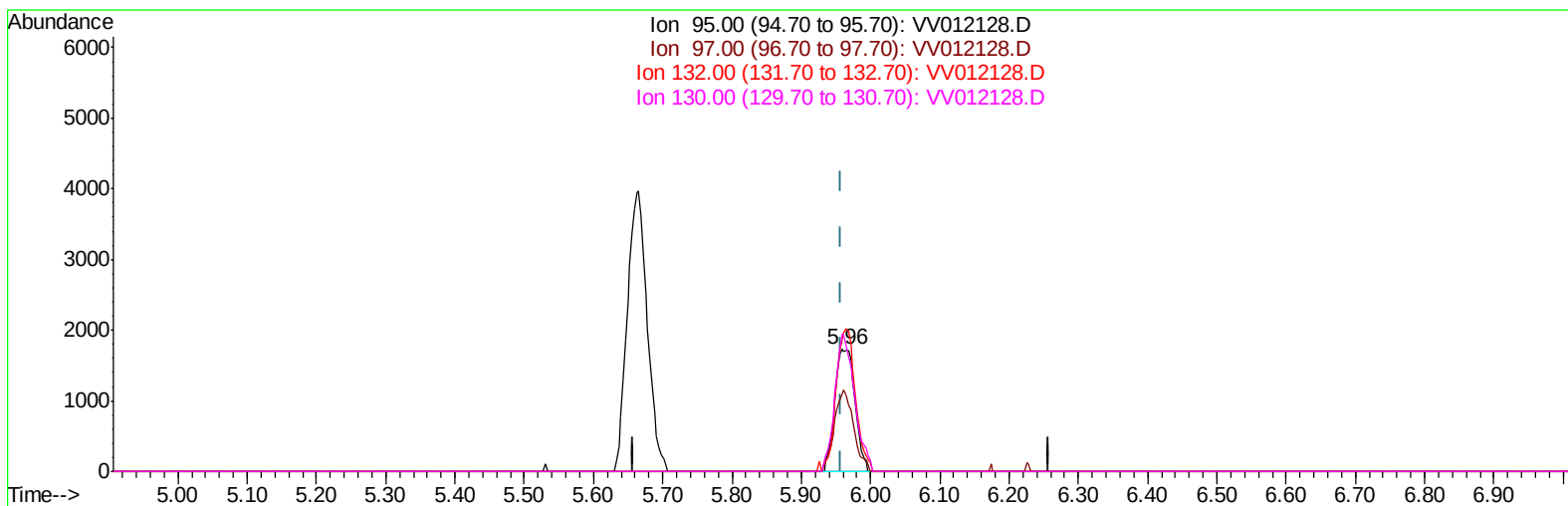
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
Data File : VV012128.D
Acq On : 07 Aug 2019 15:22
Operator : SY/MD
Sample : MDL05
Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_V/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
8/8/2019 11:45:33 AM

Quant Time: Aug 08 01:16:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 08 01:11:59 2019
Response via : Initial Calibration



TIC: VV012128.D

(34) Trichloroethene (T)

5.958min (-0.000) 2.36ug/L m

response 3469

Ion	Exp%	Act%
95.00	100	100
97.00	62.00	63.65
132.00	104.50	108.29
130.00	107.50	112.93

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Quant Title : VOC Analysis

QLast Update : Thu Aug 08 01:11:59 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	255402	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	229482	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	109720	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59829	42.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.70%
7) Chloroethane-d5	1.58	69	43844	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.48%
11) 1,1-Dichloroethene-d2	2.13	63	84881	35.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.14%
21) 2-Butanone-d5	3.92	46	115681	113.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.72%
24) Chloroform-d	4.40	84	172692	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	118767	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
32) Benzene-d6	5.10	84	344202	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
36) 1,2-Dichloropropane-d6	6.12	67	101545	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.16%
41) Toluene-d8	7.36	98	326093	51.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.42%
43) trans-1,3-Dichloropropene-	7.66	79	55946	51.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.88%
47) 2-Hexanone-d5	8.13	63	93107	117.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.20%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	146762	54.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.86%
66) 1,2-Dichlorobenzene-d4	11.67	152	139823	54.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.38%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4128	2.288 ug/L	99
3) Chloromethane	1.25	50	3676	2.870 ug/L	98
5) Vinyl chloride	1.32	62	2857	2.311 ug/L #	55
6) Bromomethane	1.53	94	1829	2.548 ug/L	89
8) Chloroethane	1.60	64	1494	2.307 ug/L	86
9) Trichlorofluoromethane	1.77	101	5112	2.543 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3035	3.080 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	2741	2.954 ug/L #	1
13) Acetone	2.19	43	2712	3.910 ug/L	99
14) Carbon disulfide	2.32	76	6840	2.181 ug/L #	93
15) Methyl Acetate	2.46	43	3073	2.532 ug/L	94
16) Methylene chloride	2.54	84	3762	2.672 ug/L	89
17) trans-1,2-Dichloroethene	2.79	96	3133	2.391 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	10533	2.339 ug/L	97
19) 1,1-Dichloroethane	3.23	63	5745	2.404 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3970	2.572 ug/L	99
22) 2-Butanone	4.01	43	4607m	5.154 ug/L	

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 QLast Update : Thu Aug 08 01:11:59 2019
 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	2163m	2.549	ug/L	
25) Chloroform	4.43	83	10772	3.977	ug/L	96
27) 1,2-Dichloroethane	5.18	62	5397	2.564	ug/L #	92
29) Cyclohexane	4.73	56	4615	2.405	ug/L	89
30) 1,1,1-Trichloroethane	4.66	97	5889	2.416	ug/L	96
31) Carbon tetrachloride	4.88	117	5494	2.429	ug/L	94
33) Benzene	5.15	78	13365	2.530	ug/L	100
34) Trichloroethene	5.96	95	3469m	2.363	ug/L	
35) Methylcyclohexane	6.18	83	5108	2.337	ug/L	99
37) 1,2-Dichloropropane	6.22	63	3232	2.508	ug/L	98
38) Bromodichloromethane	6.56	83	5065	2.499	ug/L	87
39) cis-1,3-Dichloropropene	7.07	75	5524	2.432	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	8424	5.080	ug/L	96
42) Toluene	7.43	91	14939	2.545	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	5023	2.342	ug/L	84
45) 1,1,2-Trichloroethane	7.88	97	3613	2.601	ug/L	93
46) Tetrachloroethene	8.02	164	3234	2.364	ug/L	96
48) 2-Hexanone	8.18	43	7178	5.741	ug/L	97
49) Dibromochloromethane	8.29	129	4606	2.556	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3686	2.400	ug/L #	98
51) Chlorobenzene	8.93	112	9596	2.425	ug/L	97
52) Ethylbenzene	9.05	91	15316	2.326	ug/L	96
53) m,p-Xylene	9.18	106	6116	2.407	ug/L	93
54) o-Xylene	9.59	106	5524	2.191	ug/L	96
55) Styrene	9.61	104	9354	2.202	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.28	83	5561	2.604	ug/L #	74
59) Bromoform	9.77	173	3549	2.758	ug/L #	94
60) Isopropylbenzene	9.97	105	15429	2.569	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	4470	3.000	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	12465	2.401	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	12833	2.504	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	7897	2.606	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	7946	2.594	ug/L	89
67) 1,2-Dichlorobenzene	11.69	146	8234	2.663	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.48	75	1162	2.366	ug/L	93
69) 1,3,5-Trichlorobenzene	12.69	180	5208	2.120	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	3452	1.621	ug/L	95
71) Naphthalene	13.56	128	7138	1.322	ug/L	97
72) 1,2,3-Trichlorobenzene	13.79	180	3518	1.641	ug/L	97

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

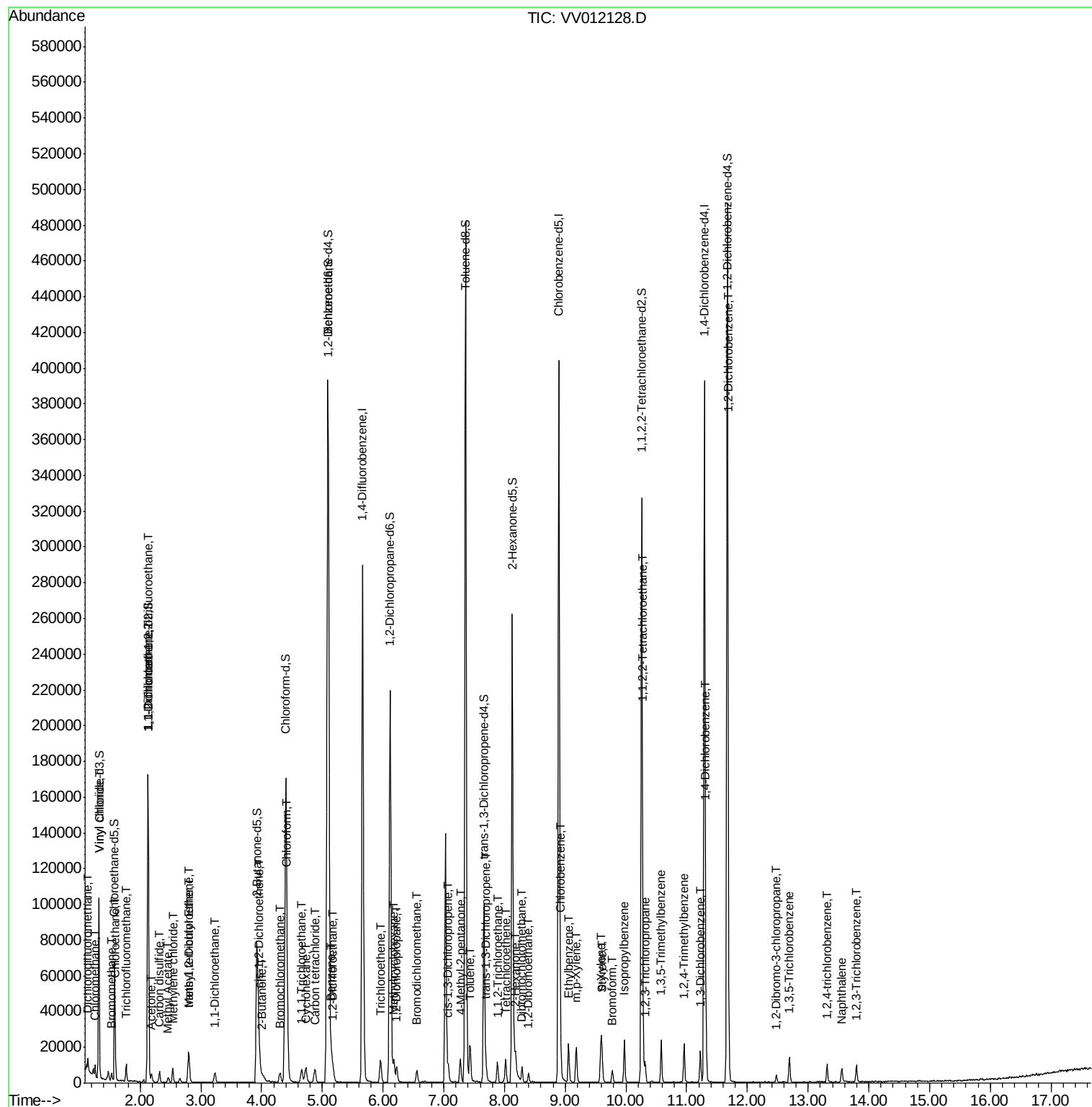
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Instrument :
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ClientSampleId :
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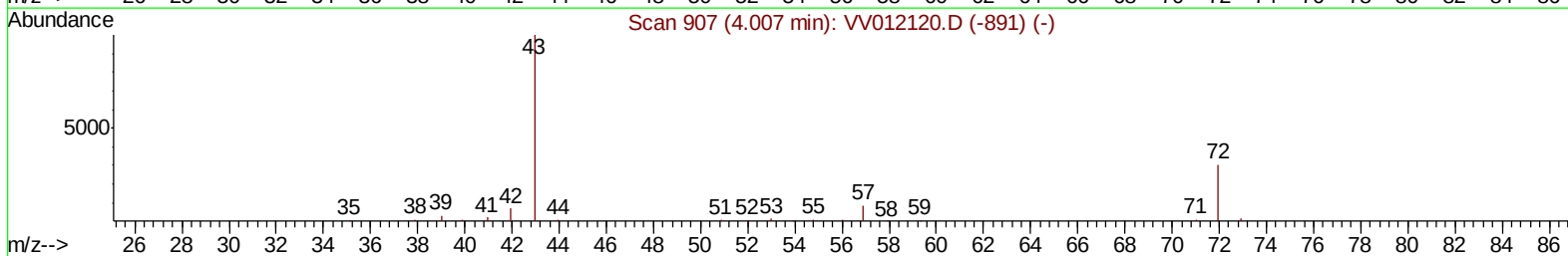
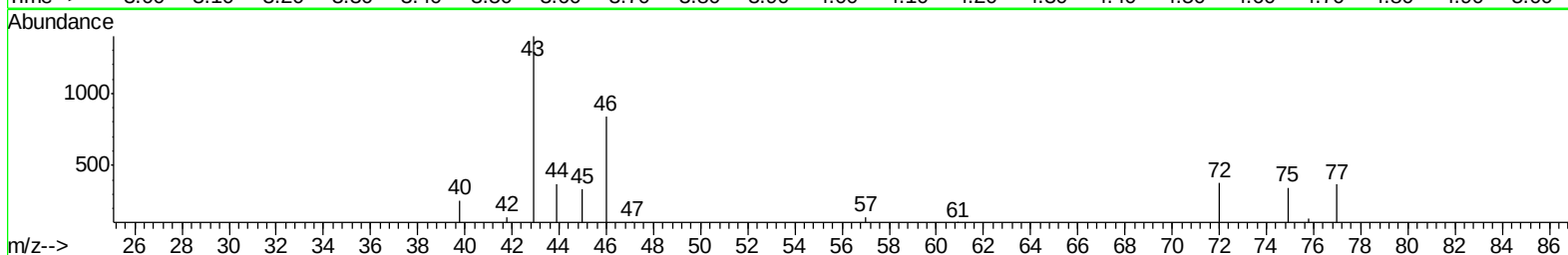
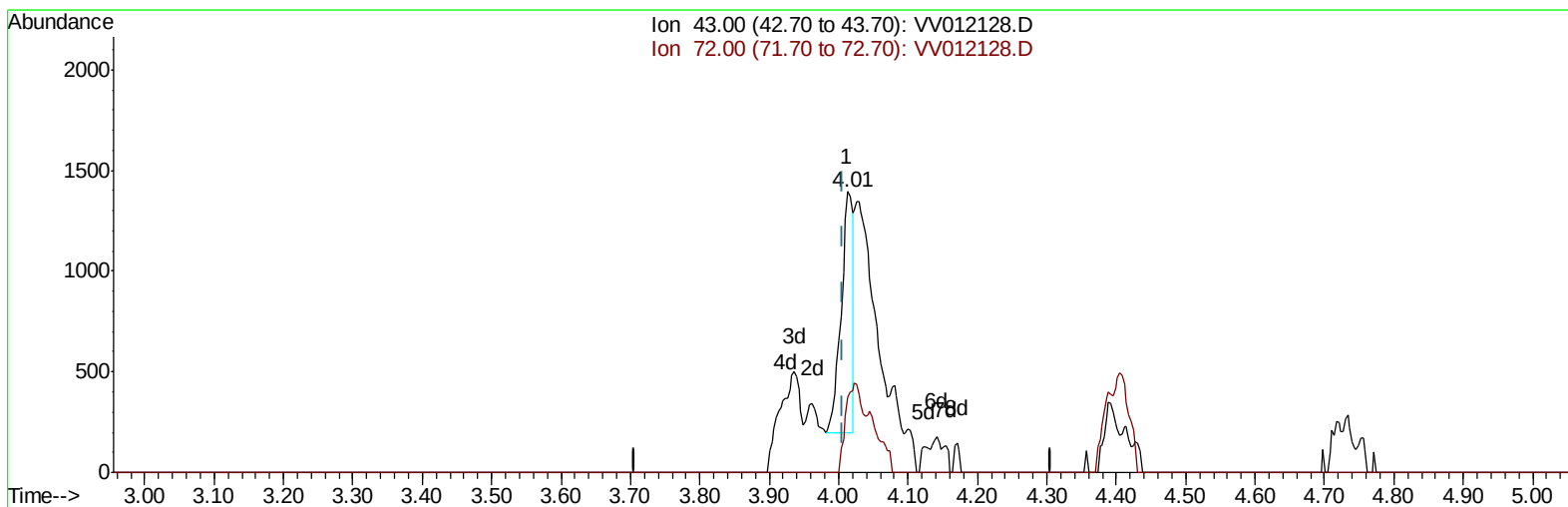
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TIC: VV012128.D

(22) 2-Butanone (T)

4.013min (+0.006) 1.53ug/L

response 1367

Ion	Exp%	Act%
43.00	100	100
72.00	30.00	55.45#
0.00	0.00	0.00
0.00	0.00	0.00

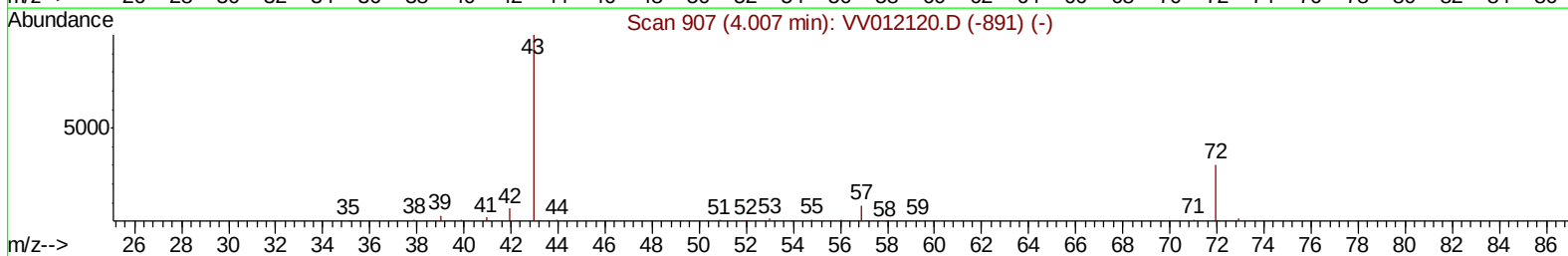
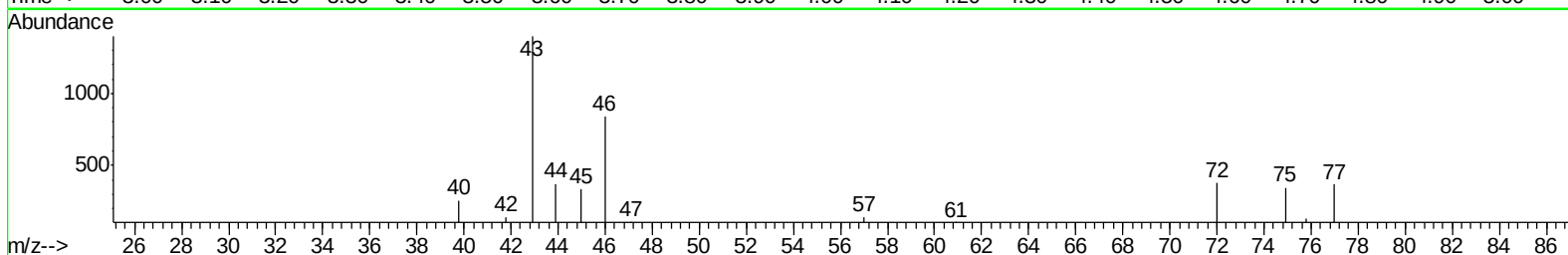
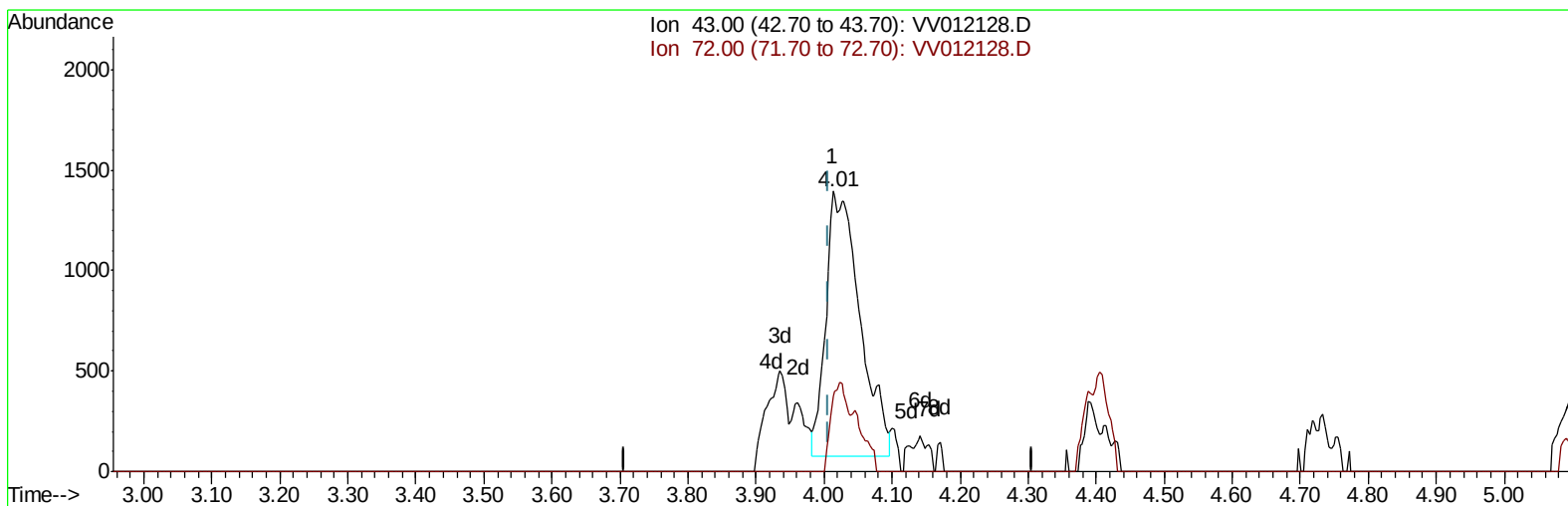
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Instrument :
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Manual Integrations
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TIC: VV012128.D

(22) 2-Butanone (T)

4.013min (+0.006) 5.15ug/L m

response 4607

Ion	Exp%	Act%
43.00	100	100
72.00	30.00	16.45
0.00	0.00	0.00
0.00	0.00	0.00

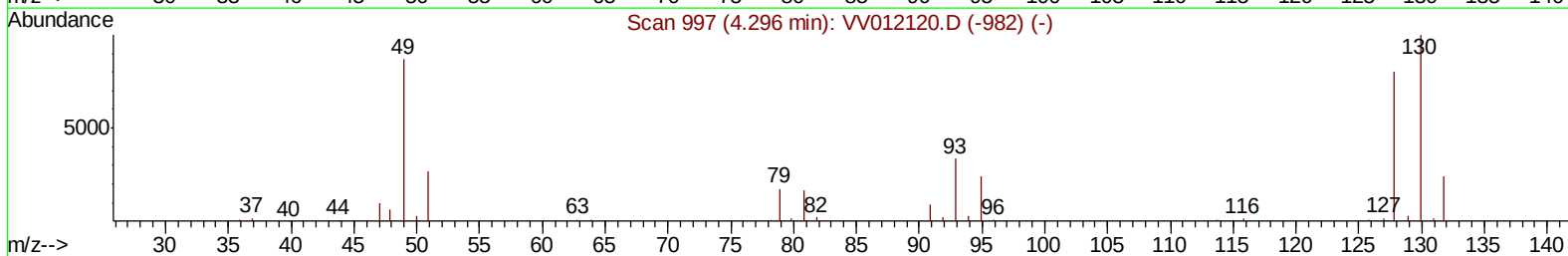
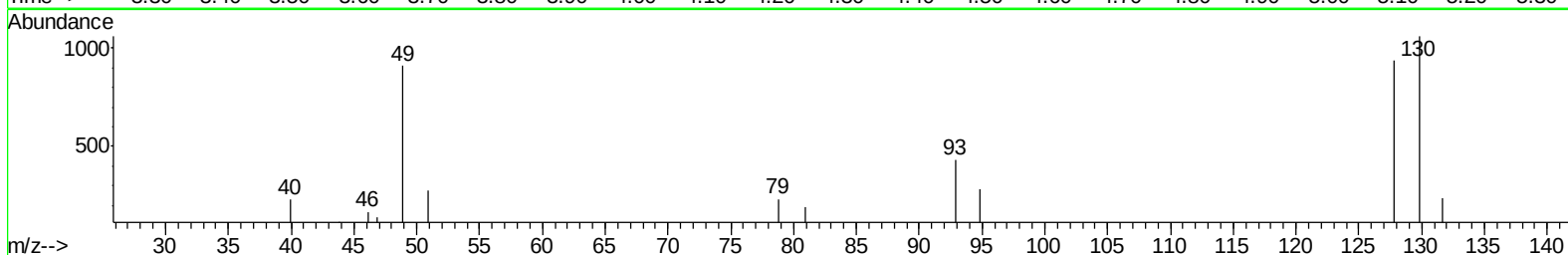
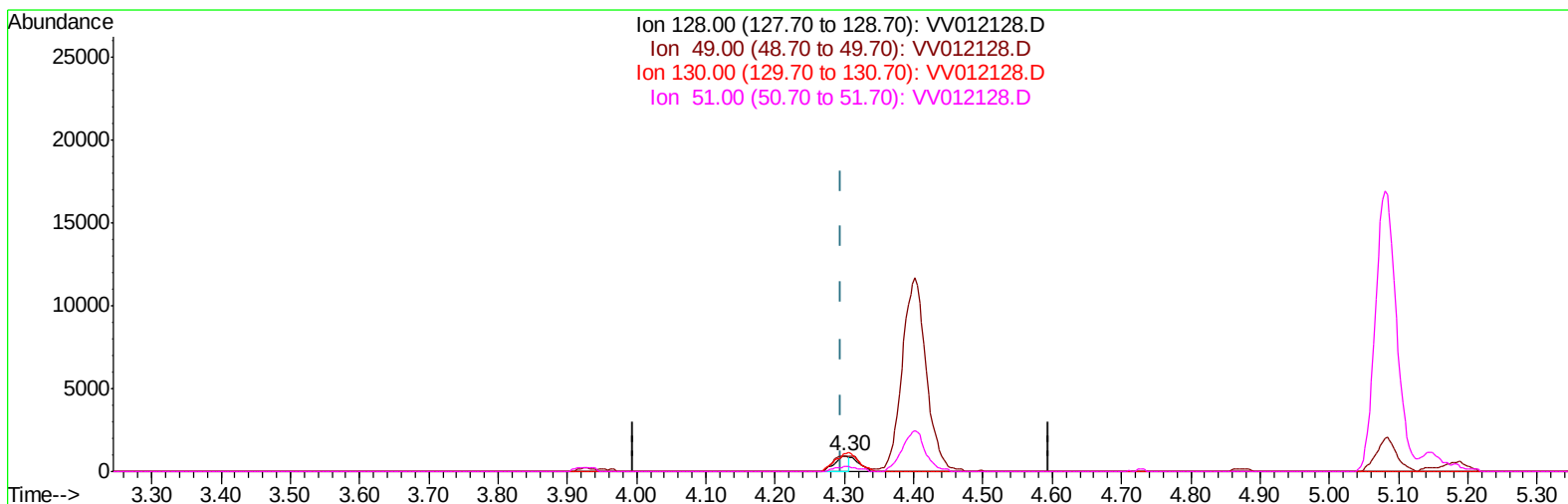
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TIC: VV012128.D

(23) Bromochloromethane (T)

4.299min (+0.003) 1.53ug/L

response 1302

Ion	Exp%	Act%
128.00	100	100
49.00	120.90	96.80
130.00	128.50	113.01
51.00	38.10	29.64#

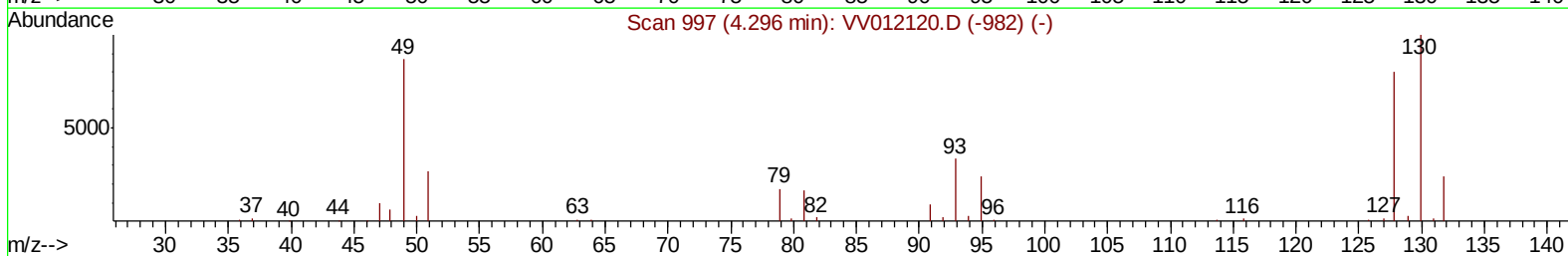
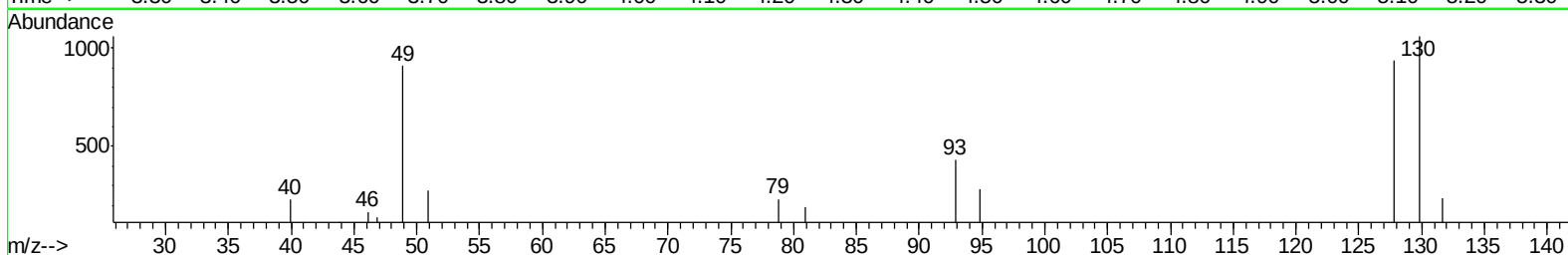
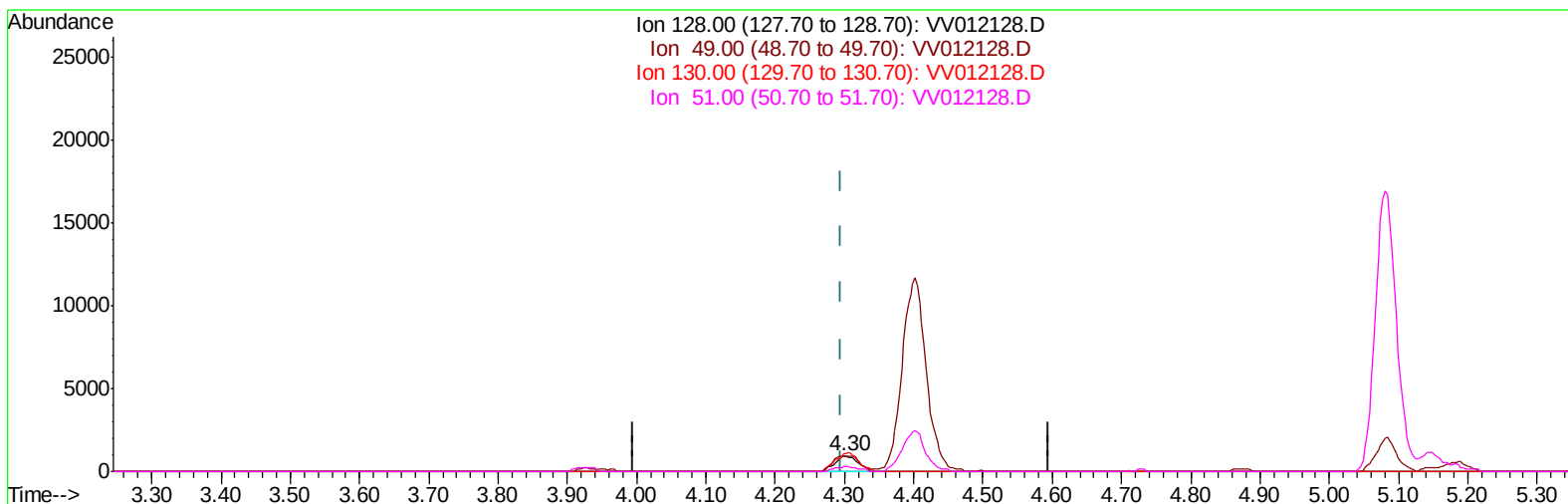
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TIC: VV012128.D

(23) Bromochloromethane (T)

4.299min (+0.003) 2.55ug/L m

response 2163

Ion	Exp%	Act%
128.00	100	100
49.00	120.90	96.80
130.00	128.50	113.01
51.00	38.10	29.64#

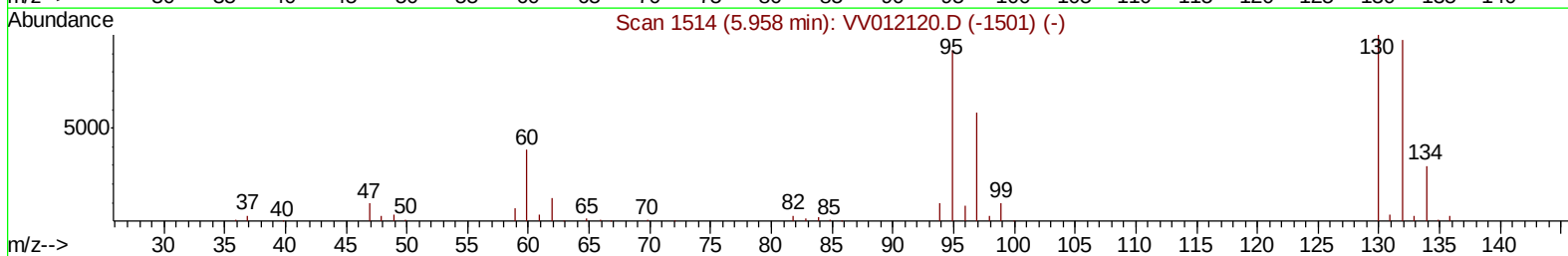
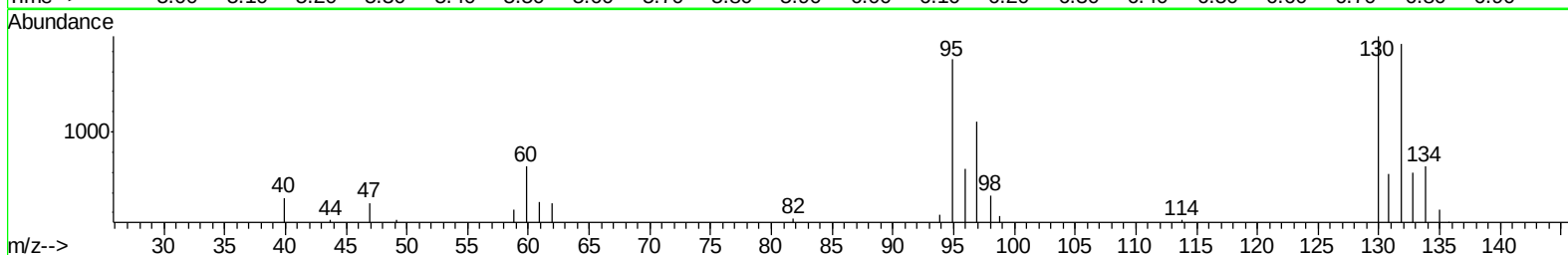
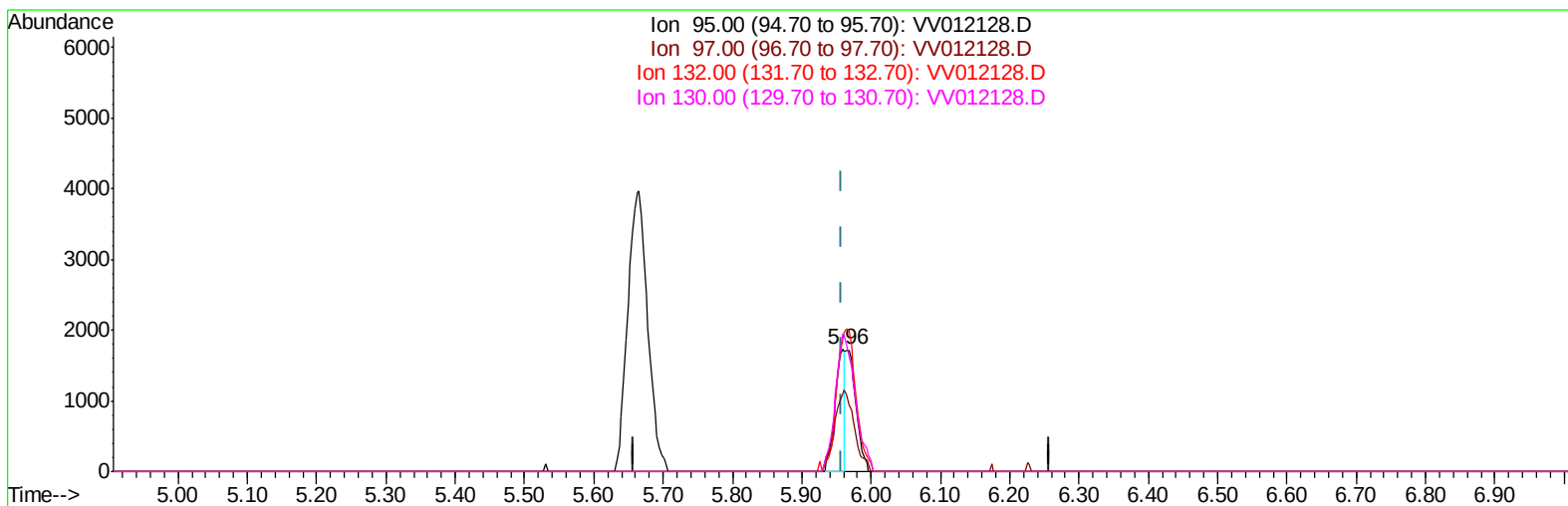
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TIC: VV012128.D

(34) Trichloroethene (T)

5.958min (-0.000) 1.18ug/L

response 1736

Ion	Exp%	Act%
95.00	100	100
97.00	62.00	63.65
132.00	104.50	108.29
130.00	107.50	112.93