

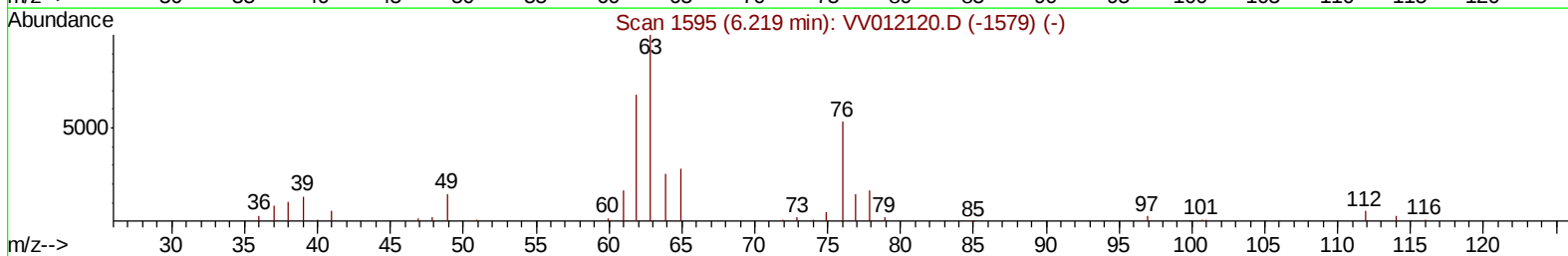
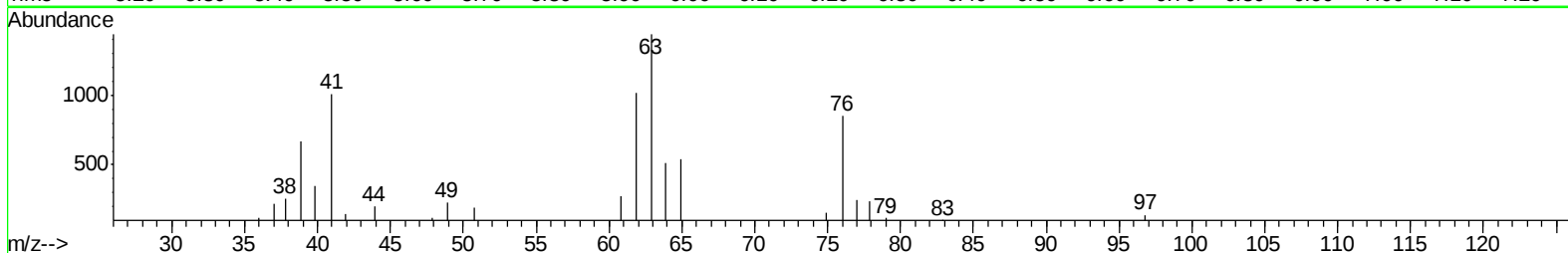
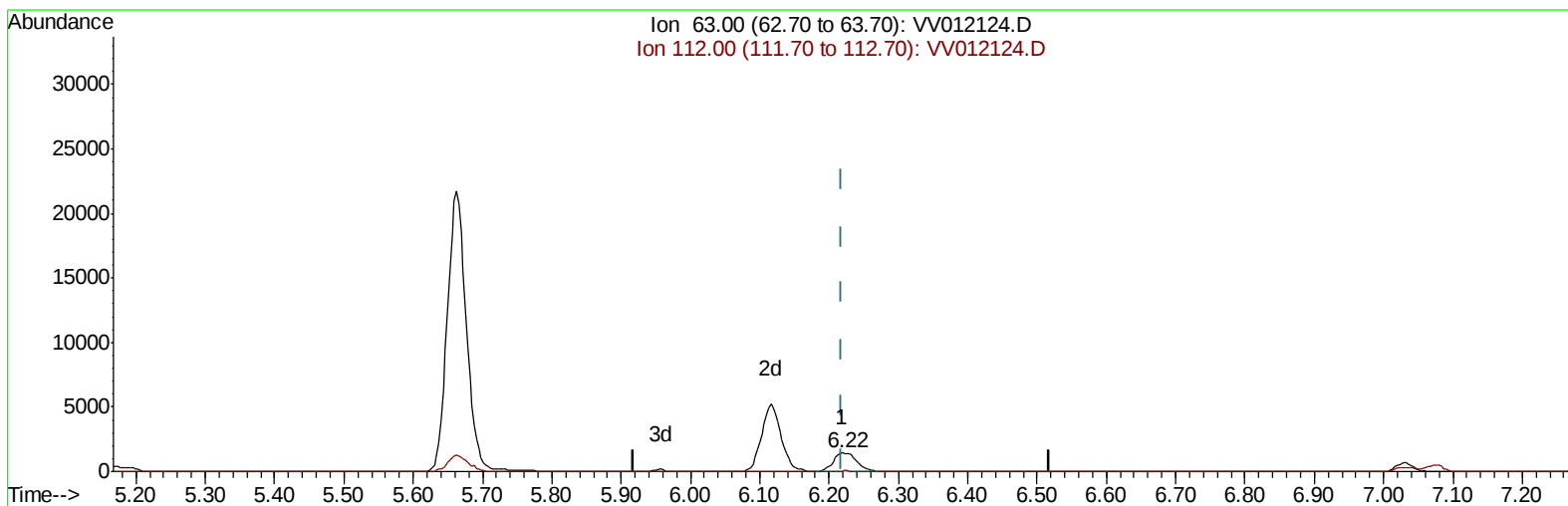
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
 Data File : VV012124.D
 Acq On : 07 Aug 2019 13:44
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 11:45:20 AM

Quant Time: Aug 08 01:31:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 01:11:59 2019
 Response via : Initial Calibration



TIC: VV012124.D

(37) 1,2-Dichloropropane (T)

6.219min (+0.000) 2.81ug/L m

response 3385

Ion	Exp%	Act%
63.00	100	100
112.00	5.20	1.30#
0.00	0.00	0.00
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	229149	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	214903	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	110801	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56675	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.50%
7) Chloroethane-d5	1.58	69	38606	43.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.84%
11) 1,1-Dichloroethene-d2	2.13	63	72939	33.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.18%
21) 2-Butanone-d5	3.92	46	95772	104.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.94%
24) Chloroform-d	4.40	84	149116	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.08	65	103167	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.20%
32) Benzene-d6	5.10	84	286670	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
36) 1,2-Dichloropropane-d6	6.12	67	84505	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.34%
41) Toluene-d8	7.36	98	284760	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%
43) trans-1,3-Dichloropropene-	7.66	79	50830	49.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.80%
47) 2-Hexanone-d5	8.13	63	81245	109.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.20%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	135312	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
66) 1,2-Dichlorobenzene-d4	11.67	152	133646	51.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.58%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5257	3.248 ug/L	98
3) Chloromethane	1.25	50	3931	3.421 ug/L	98
5) Vinyl chloride	1.33	62	3255	2.934 ug/L #	61
6) Bromomethane	1.53	94	1972	3.062 ug/L	99
8) Chloroethane	1.60	64	1518	2.613 ug/L	88
9) Trichlorofluoromethane	1.77	101	4868	2.699 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3028	3.425 ug/L #	59
12) 1,1-Dichloroethene	2.14	96	2859	3.434 ug/L #	1
13) Acetone	2.19	43	3493	5.613 ug/L	91
14) Carbon disulfide	2.32	76	7789	2.769 ug/L	96
15) Methyl Acetate	2.46	43	2974	2.731 ug/L	96
16) Methylene chloride	2.53	84	3694	2.924 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	3304	2.811 ug/L	94
18) Methyl tert-butyl Ether	2.80	73	11780	2.916 ug/L #	90
19) 1,1-Dichloroethane	3.23	63	6082m	2.837 ug/L	
20) cis-1,2-Dichloroethene	3.96	96	4076m	2.944 ug/L	
22) 2-Butanone	4.03	43	4424	5.516 ug/L	96

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.31	128	2182m	2.866	ug/L	
25) Chloroform	4.42	83	8619	3.547	ug/L	78
27) 1,2-Dichloroethane	5.18	62	5771	3.056	ug/L #	93
29) Cyclohexane	4.72	56	4368	2.431	ug/L #	93
30) 1,1,1-Trichloroethane	4.66	97	6522	2.857	ug/L #	86
31) Carbon tetrachloride	4.88	117	5571	2.631	ug/L	88
33) Benzene	5.15	78	12387	2.504	ug/L	100
34) Trichloroethene	5.96	95	3877	2.820	ug/L	90
35) Methylcyclohexane	6.18	83	6000	2.932	ug/L	95
37) 1,2-Dichloropropane	6.22	63	3385m	2.805	ug/L	
38) Bromodichloromethane	6.56	83	5390	2.840	ug/L #	85
39) cis-1,3-Dichloropropene	7.07	75	6012	2.826	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	8789	5.659	ug/L	99
42) Toluene	7.43	91	16258	2.958	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	5306	2.642	ug/L	89
45) 1,1,2-Trichloroethane	7.88	97	3793	2.916	ug/L	96
46) Tetrachloroethene	8.02	164	3740	2.919	ug/L	90
48) 2-Hexanone	8.18	43	7873	6.724	ug/L	91
49) Dibromochloromethane	8.29	129	4665	2.764	ug/L	92
50) 1,2-Dibromoethane	8.40	107	4407	3.064	ug/L	99
51) Chlorobenzene	8.93	112	11008	2.970	ug/L	93
52) Ethylbenzene	9.05	91	17939	2.909	ug/L	99
53) m,p-Xylene	9.18	106	6580	2.766	ug/L	97
54) o-Xylene	9.59	106	7170	3.037	ug/L	96
55) Styrene	9.60	104	10897	2.740	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.28	83	6560	3.280	ug/L #	92
59) Bromoform	9.77	173	3794	2.919	ug/L #	93
60) Isopropylbenzene	9.97	105	17505	2.886	ug/L	96
61) 1,2,3-Trichloropropane	10.32	75	5273	3.505	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	15148	2.889	ug/L	96
63) 1,2,4-Trimethylbenzene	10.96	105	14648	2.830	ug/L	98
64) 1,3-Dichlorobenzene	11.23	146	9113	2.978	ug/L	94
65) 1,4-Dichlorobenzene	11.32	146	10236	3.309	ug/L	96
67) 1,2-Dichlorobenzene	11.69	146	9937	3.182	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	1602	3.231	ug/L #	76
69) 1,3,5-Trichlorobenzene	12.69	180	6681	2.693	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	4632	2.153	ug/L	94
71) Naphthalene	13.56	128	10539	1.933	ug/L	95
72) 1,2,3-Trichlorobenzene	13.79	180	4720	2.180	ug/L	96

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

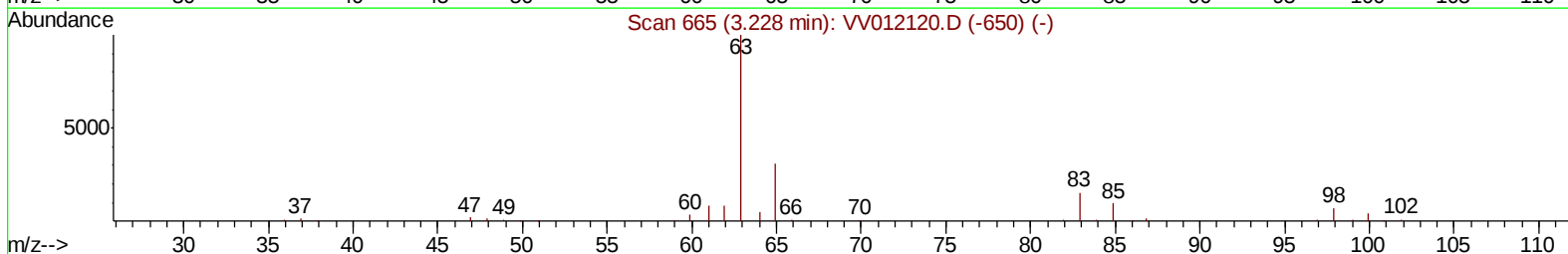
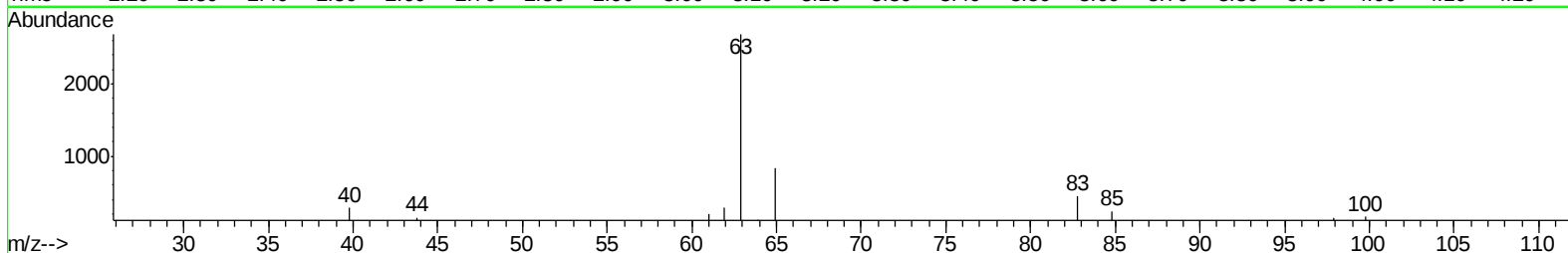
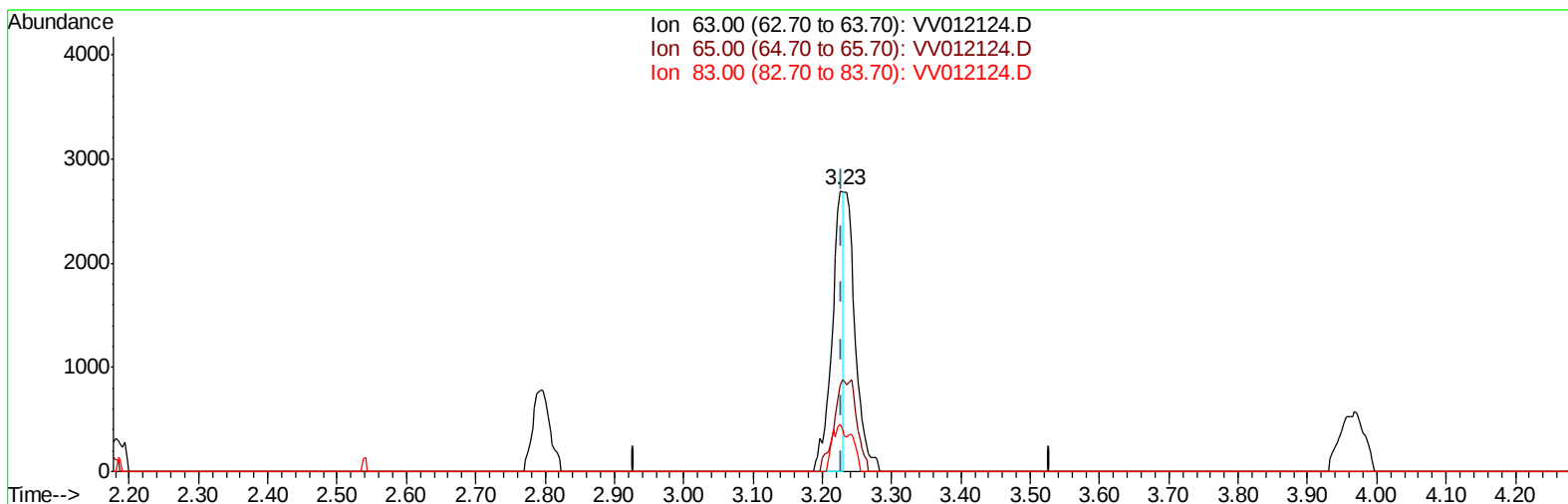
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
Data File : VV012124.D
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Title : VOC Analysis
QLast Update : Thu Aug 08 01:11:59 2019
Response via : Initial Calibration



TIC: VV012124.D

(19) 1,1-Dichloroethane (T)

3.225min (-0.003) 1.38ug/L

response 2956

Ion	Exp%	Act%
63.00	100	100
65.00	31.80	30.96
83.00	14.70	16.76
0.00	0.00	0.00

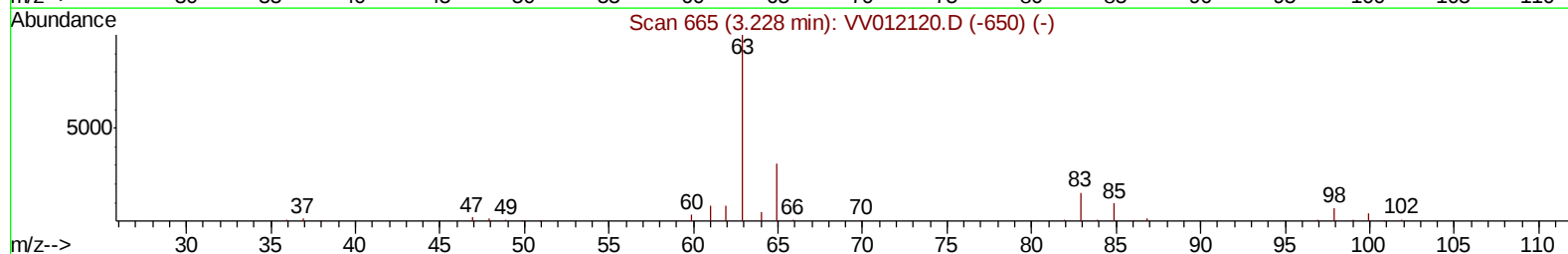
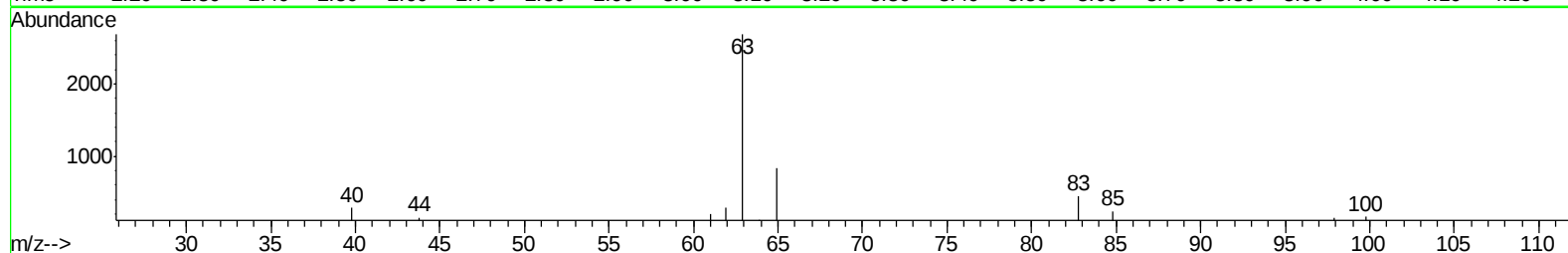
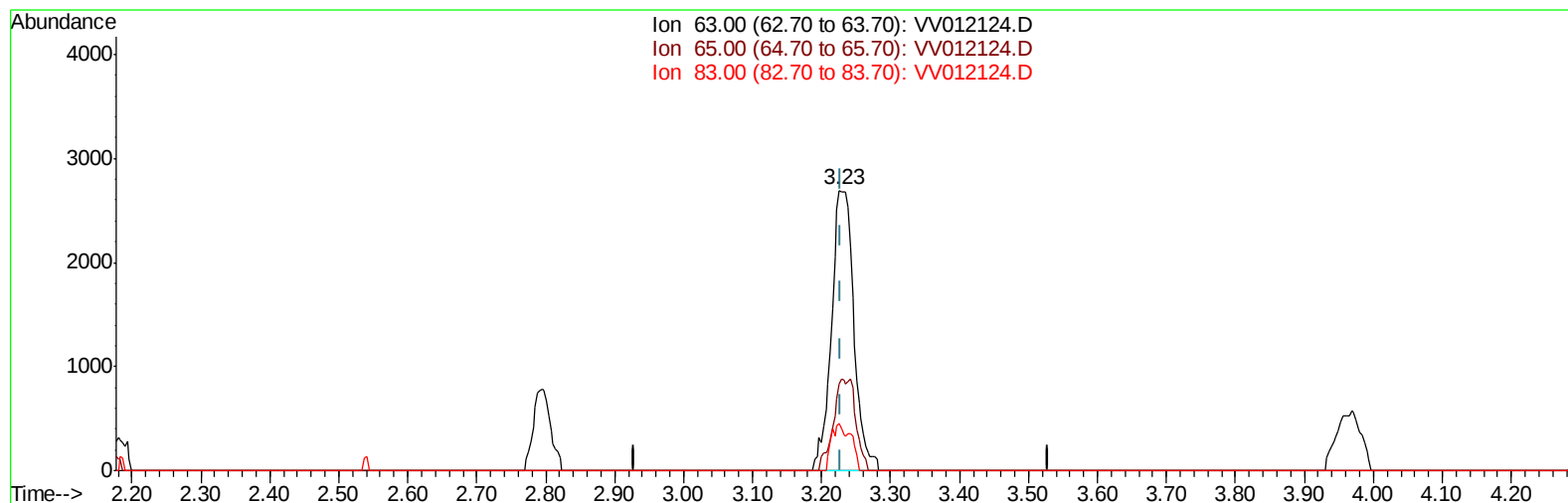
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Manual Integrations
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TIC: VV012124.D

(19) 1,1-Dichloroethane (T)

3.225min (-0.003) 2.84ug/L m

response 6082

Ion	Exp%	Act%
63.00	100	100
65.00	31.80	30.96
83.00	14.70	16.76
0.00	0.00	0.00

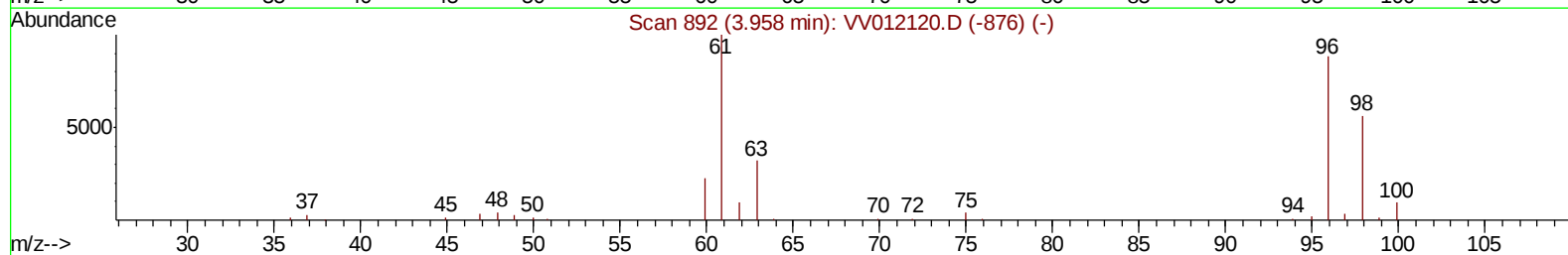
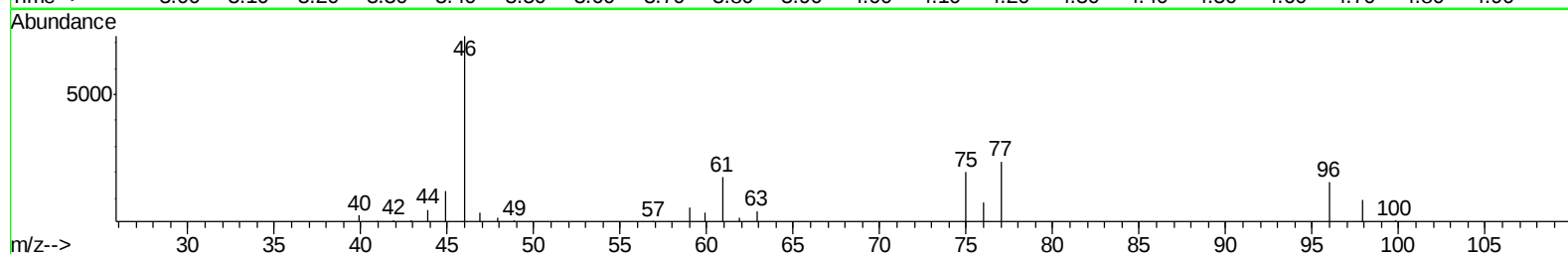
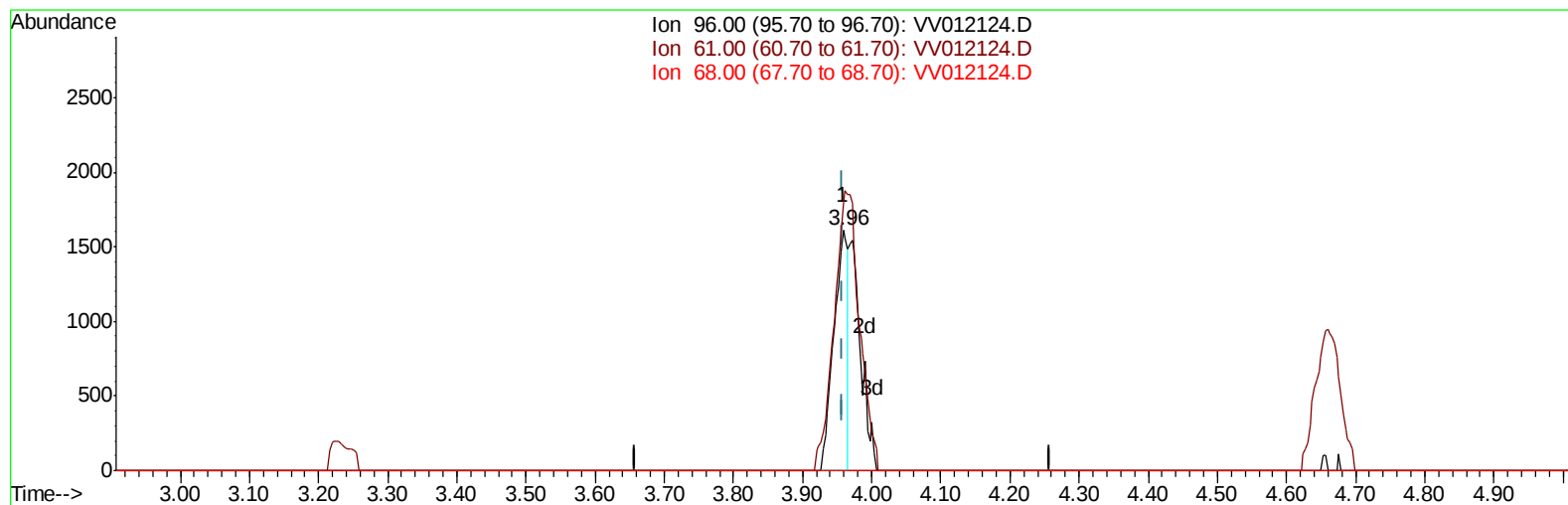
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TIC: VV012124.D

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

3.958min (+0.000) 1.62ug/L

response 2238

Ion	Exp%	Act%
96.00	100	100
61.00	114.30	112.00
68.00	0.00	0.00
0.00	0.00	0.00

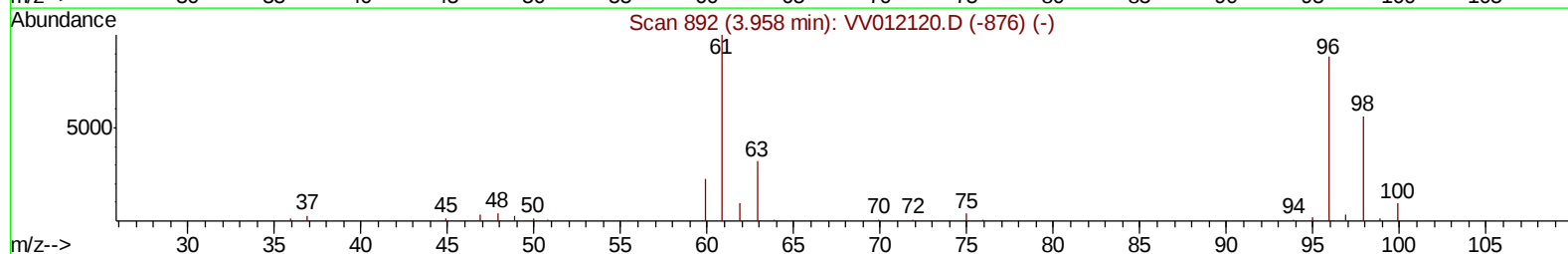
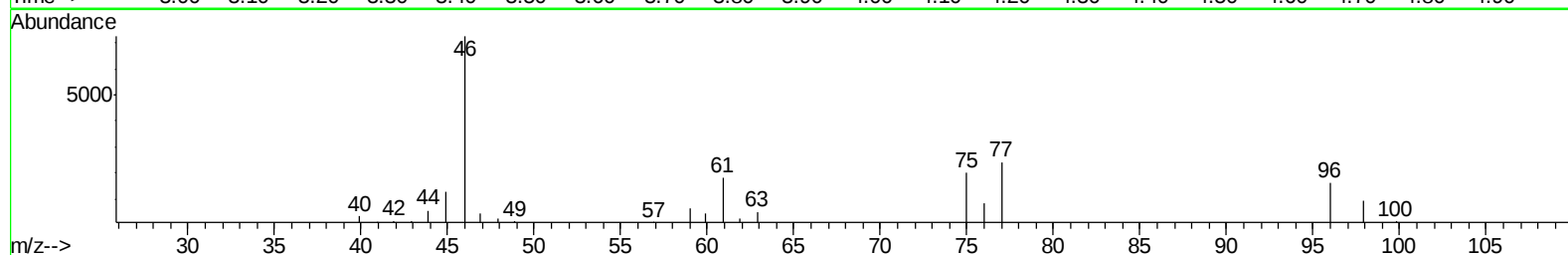
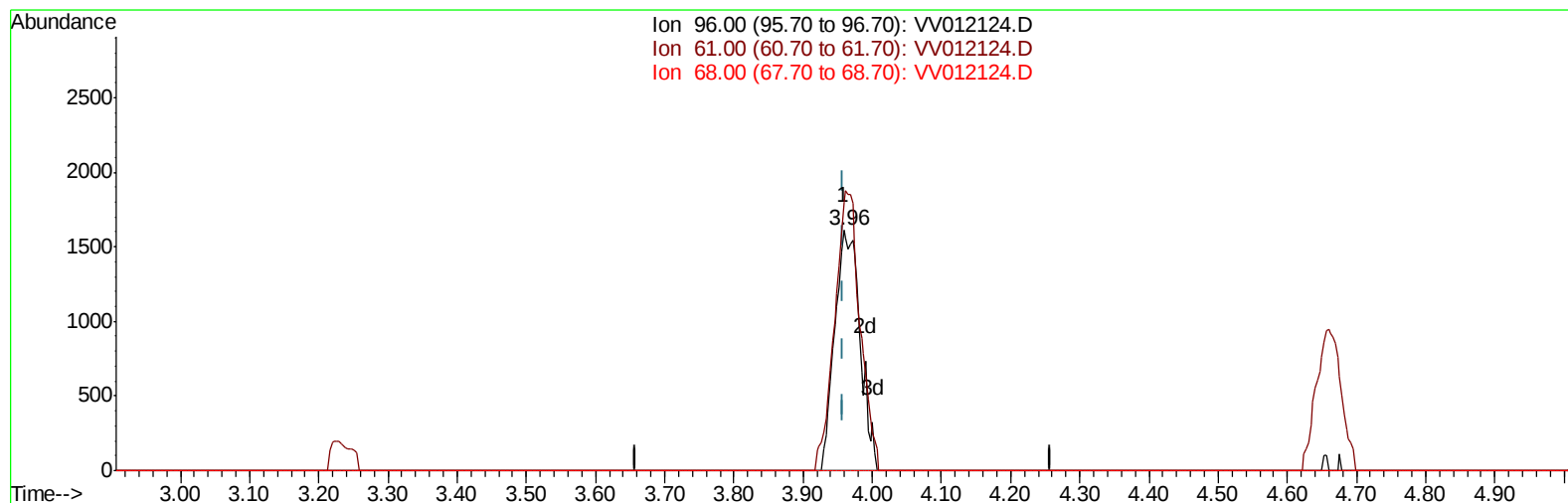
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Manual Integrations
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TIC: VV012124.D

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

3.958min (+0.000) 2.94ug/L m

response 4076

Ion	Exp%	Act%
96.00	100	100
61.00	114.30	112.00
68.00	0.00	0.00
0.00	0.00	0.00

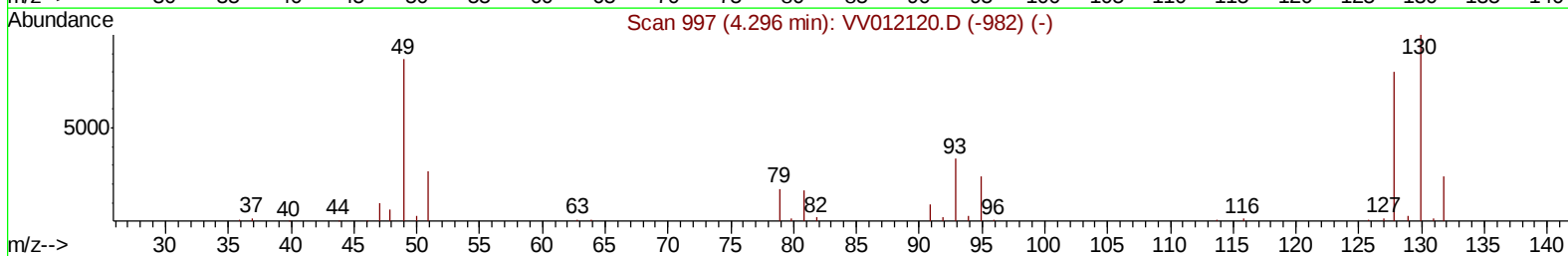
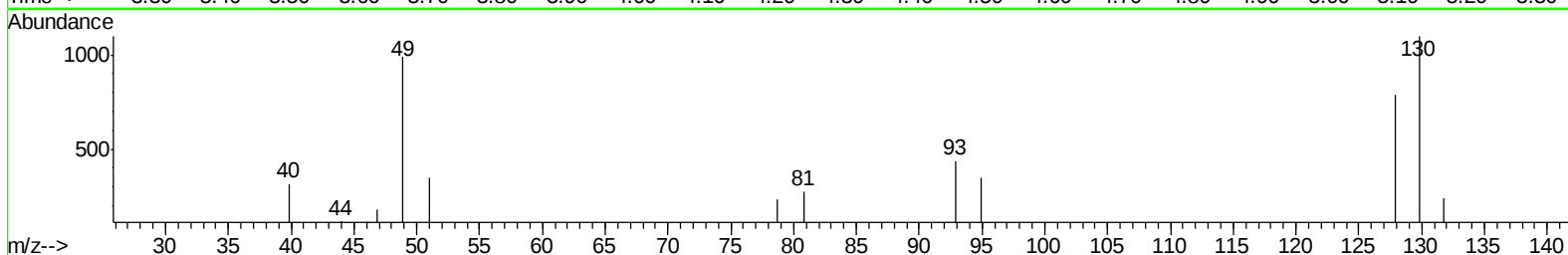
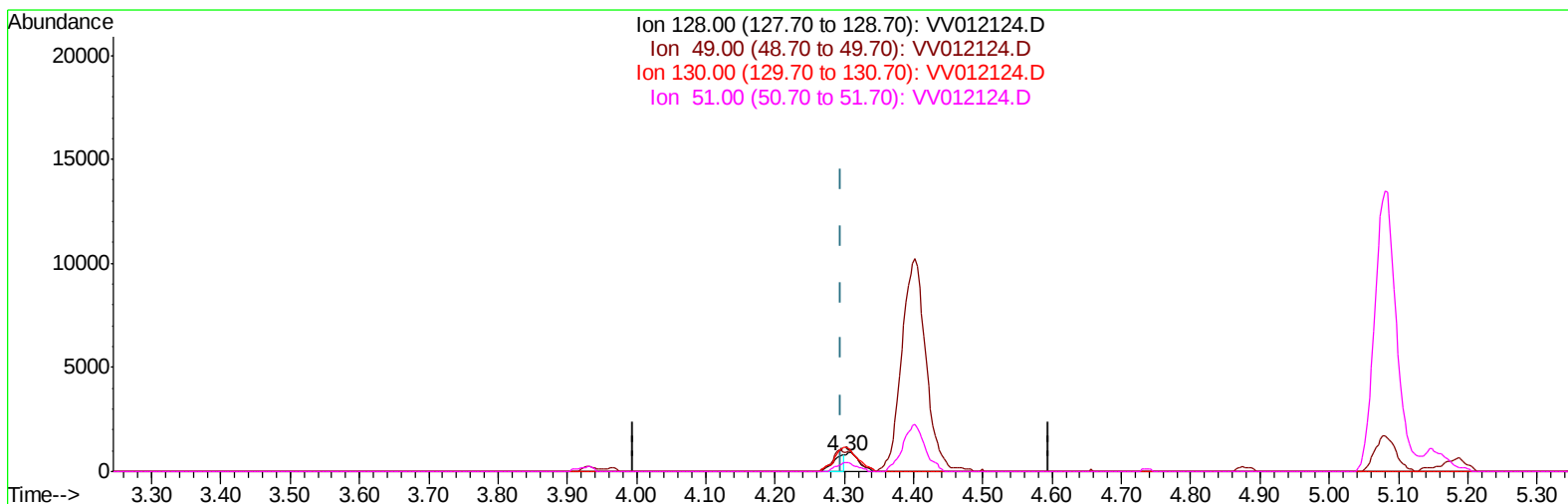
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TIC: VV012124.D

(23) Bromochloromethane (T)

4.296min (+0.000) 1.26ug/L

response 958

Ion	Exp%	Act%
128.00	100	100
49.00	120.90	124.91
130.00	128.50	138.94
51.00	38.10	44.25

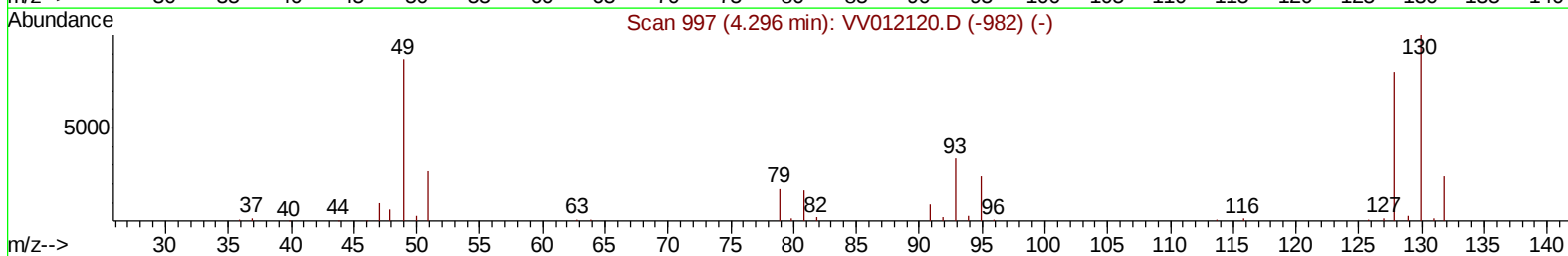
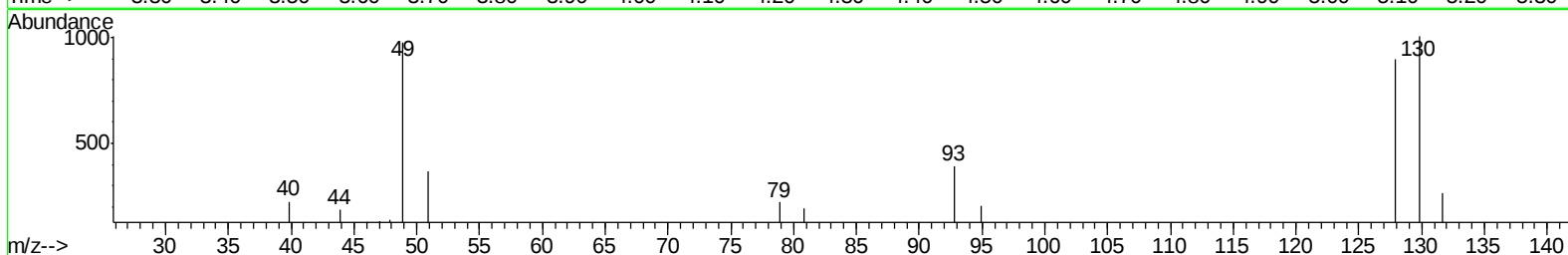
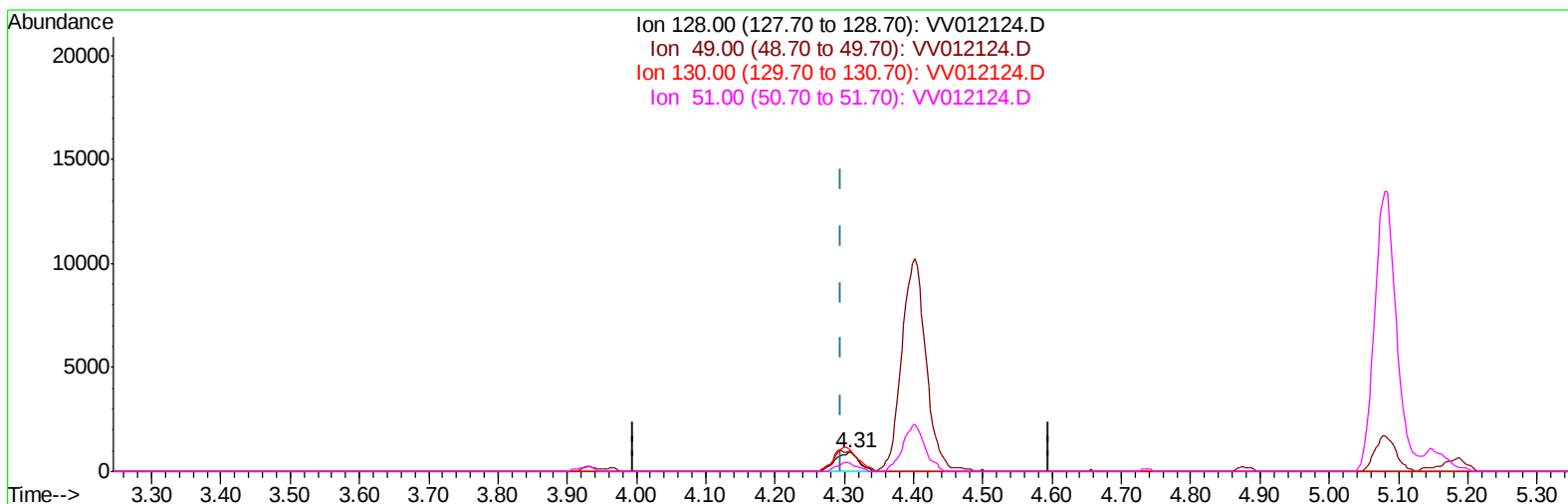
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TIC: VV012124.D

(23) Bromochloromethane (T)

4.309min (+0.013) 2.87ug/L m

response 2182

Ion	Exp%	Act%
128.00	100	100
49.00	120.90	108.66
130.00	128.50	111.76
51.00	38.10	40.84

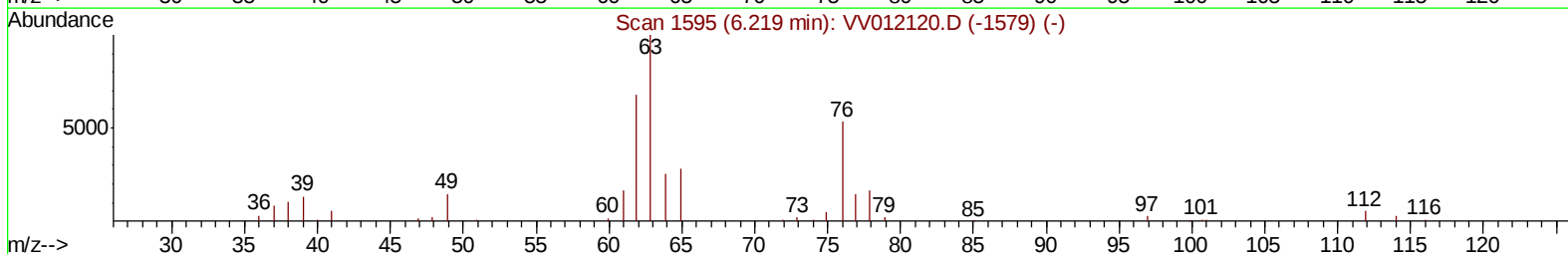
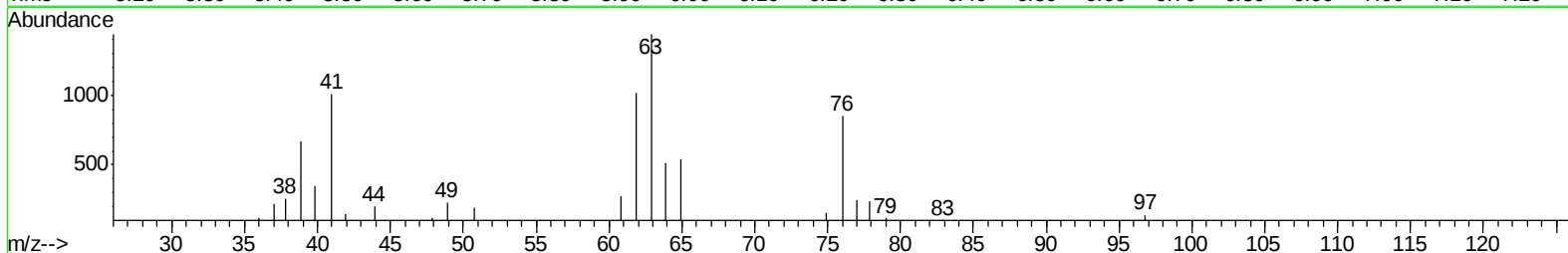
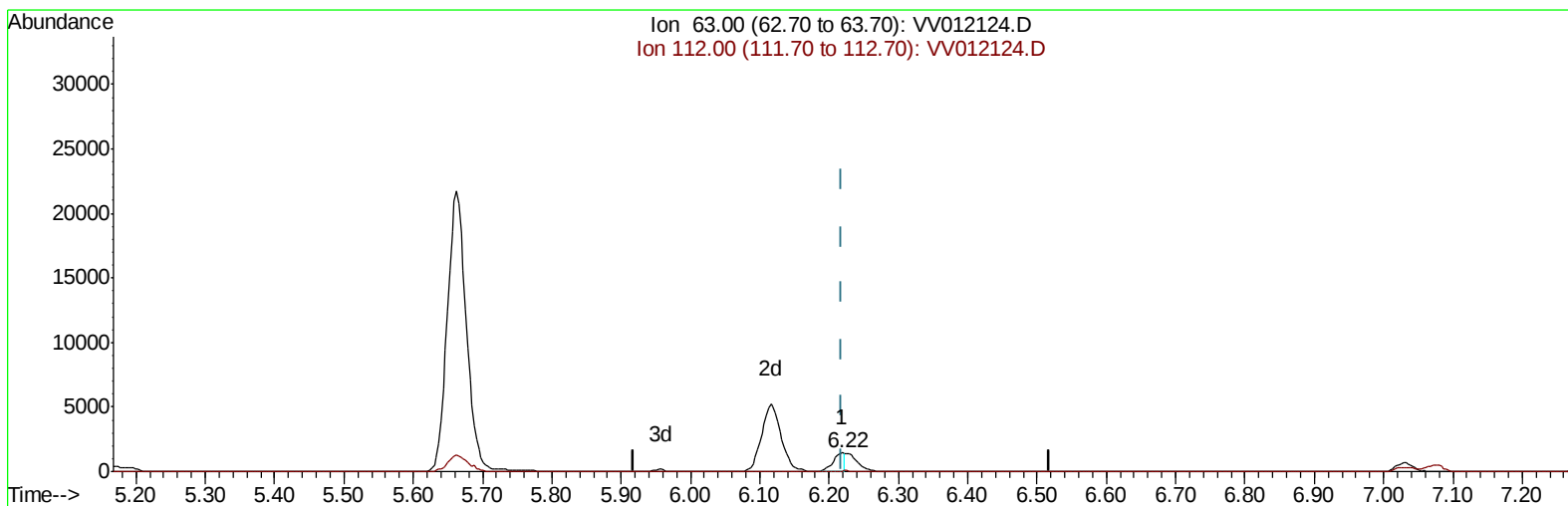
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TIC: VV012124.D

(37) 1,2-Dichloropropane (T)

6.219min (+0.000) 1.42ug/L

response 1718

Ion	Exp%	Act%
63.00	100	100
112.00	5.20	2.56#
0.00	0.00	0.00
0.00	0.00	0.00