

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
Data File : VV012125.D
Acq On : 07 Aug 2019 14:09
Operator : SY/MD
Sample : MDL05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

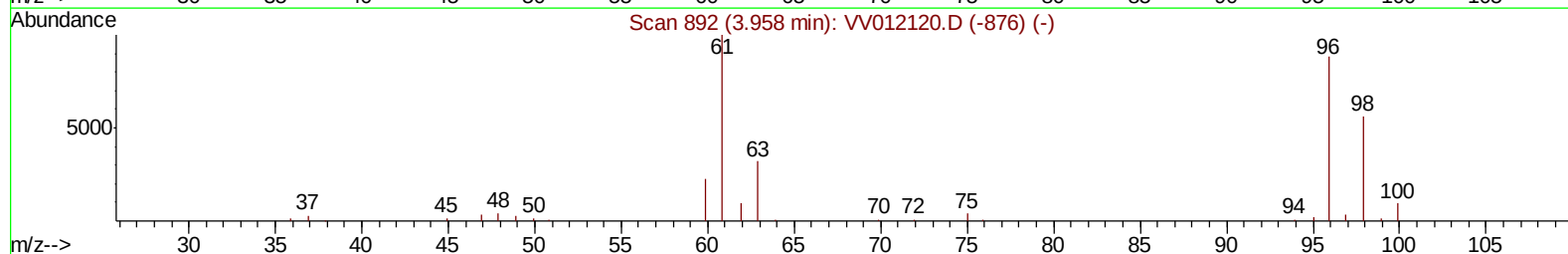
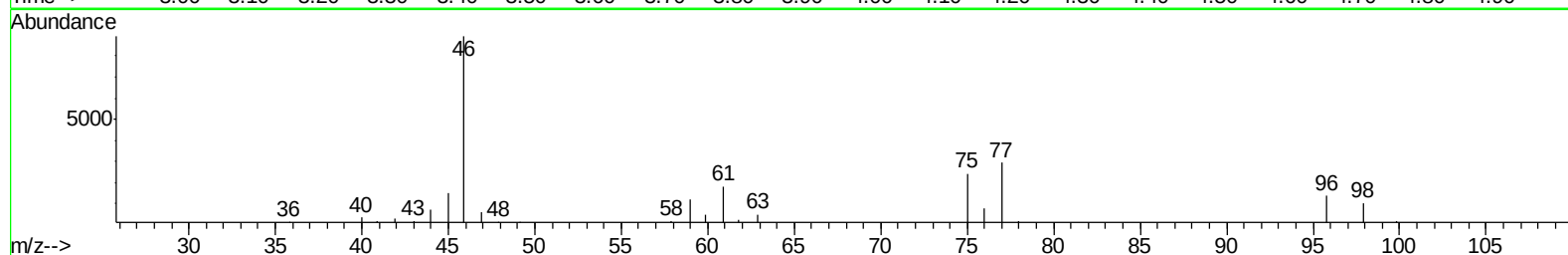
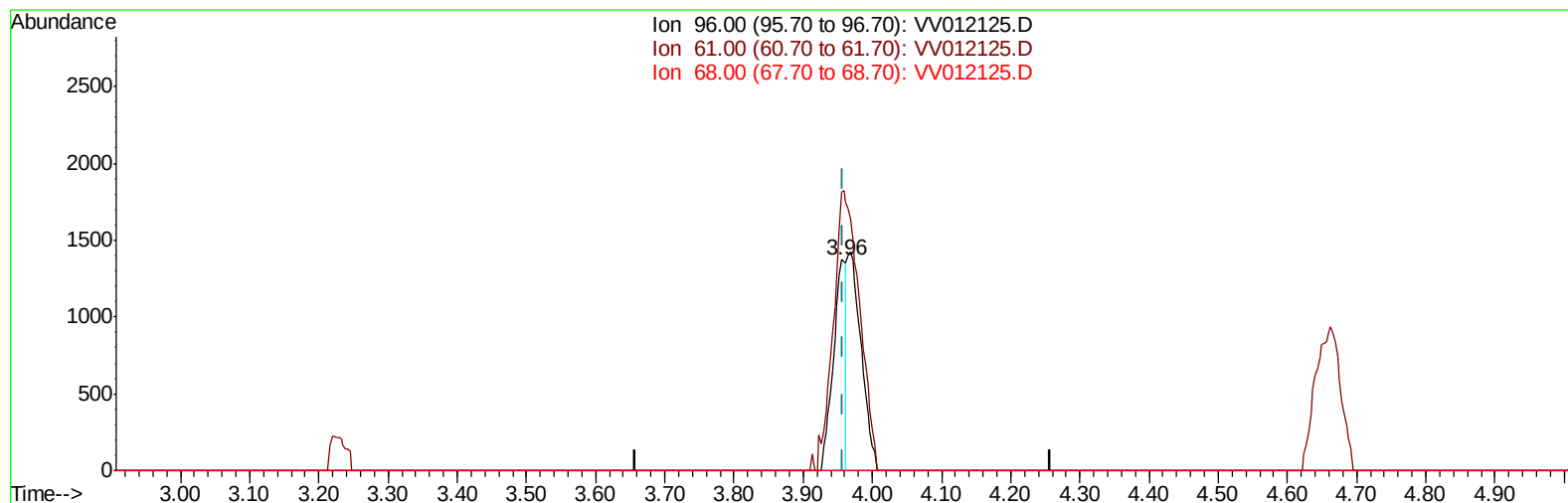
Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
8/8/2019 11:45:24 AM

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Quant Time: Aug 08 01:15:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
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QLast Update : Thu Aug 08 01:11:59 2019
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TIC: VV012125.D

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

3.955min (-0.003) 1.19ug/L

response 1773

Ion	Exp%	Act%
96.00	100	100
61.00	114.30	132.51
68.00	0.00	0.00
0.00	0.00	0.00

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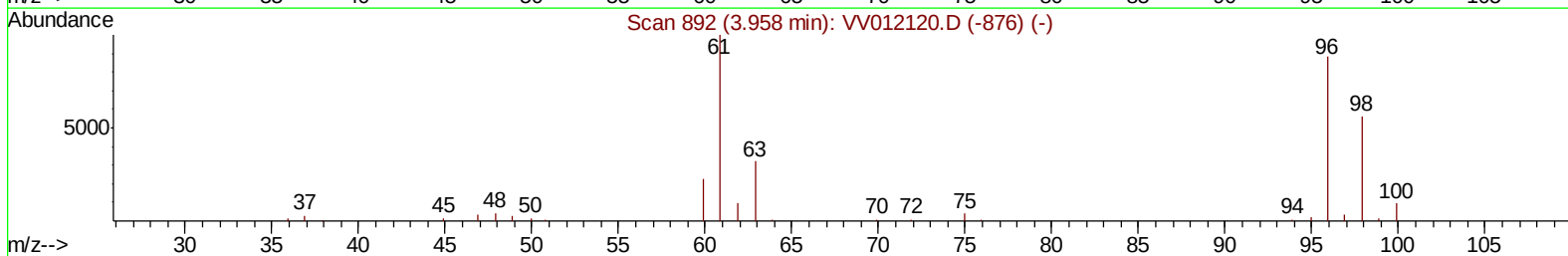
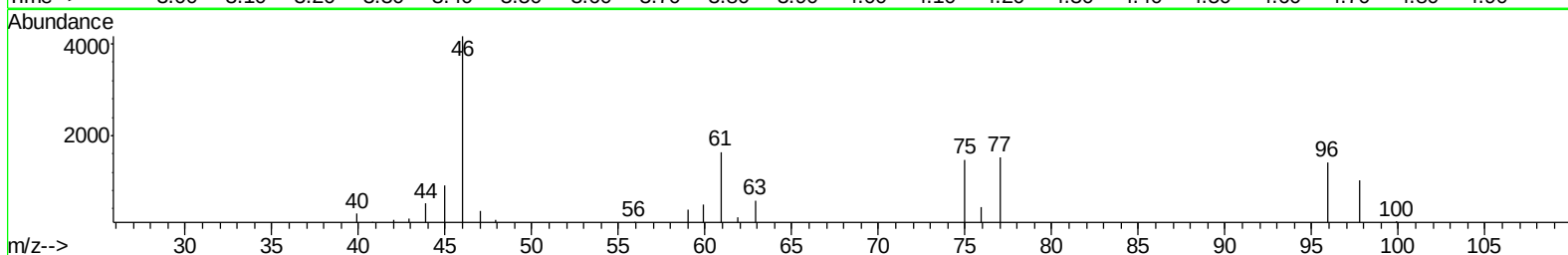
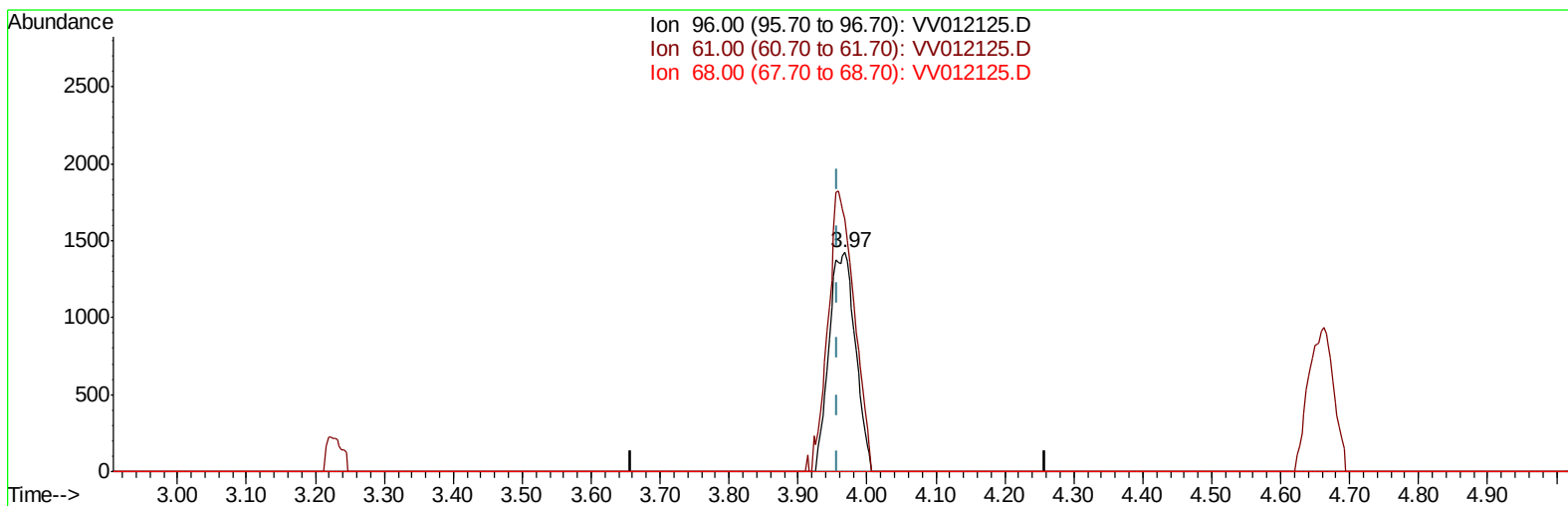
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(20) cis-1,2-Dichloroethene (T)

3.968min (+0.010) 2.52ug/L m

response 3748

Ion	Exp%	Act%
96.00	100	100
61.00	114.30	115.12
68.00	0.00	0.00
0.00	0.00	0.00

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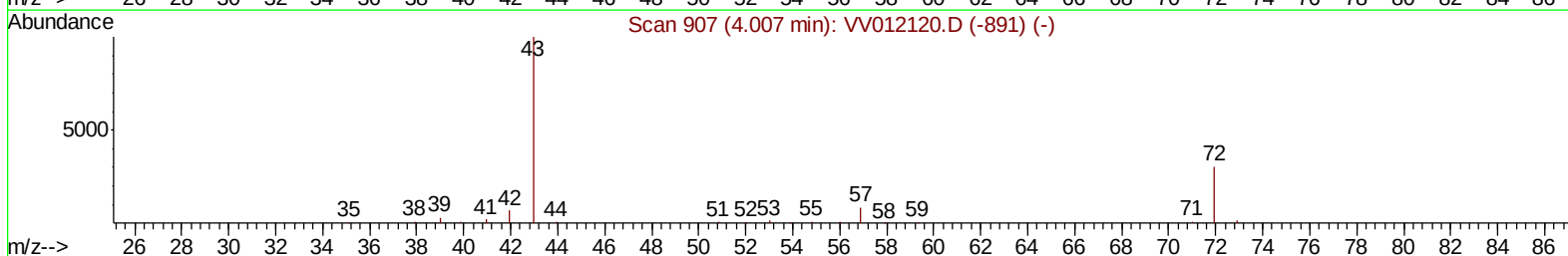
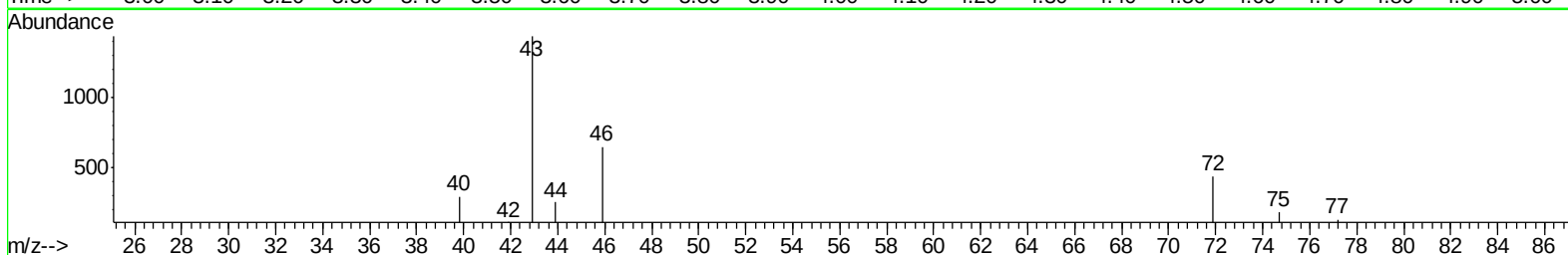
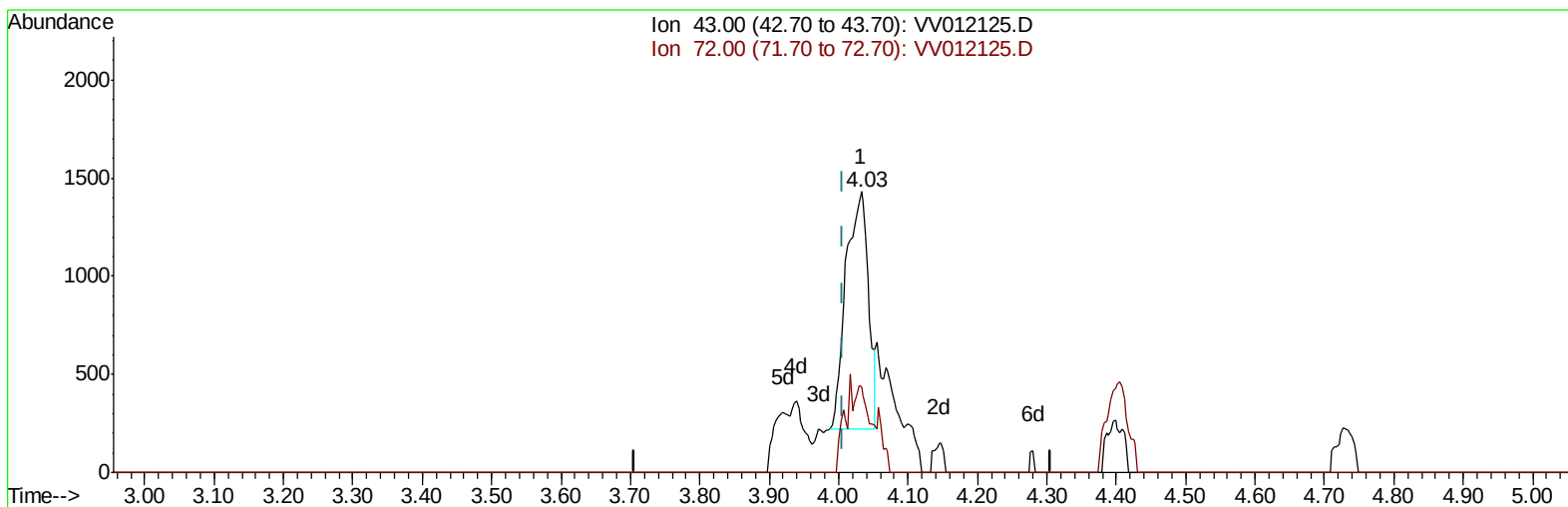
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(22) 2-Butanone (T)

4.032min (+0.026) 3.16ug/L

response 2729

Ion	Exp%	Act%
43.00	100	100
72.00	30.00	20.30
0.00	0.00	0.00
0.00	0.00	0.00

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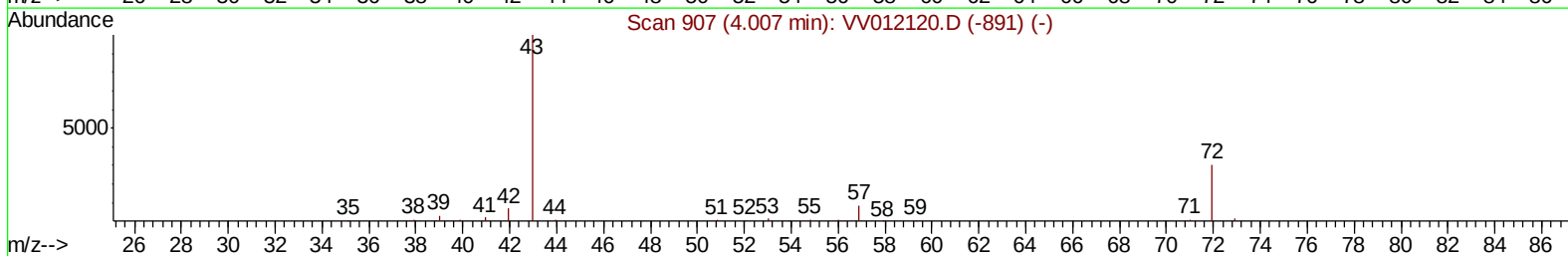
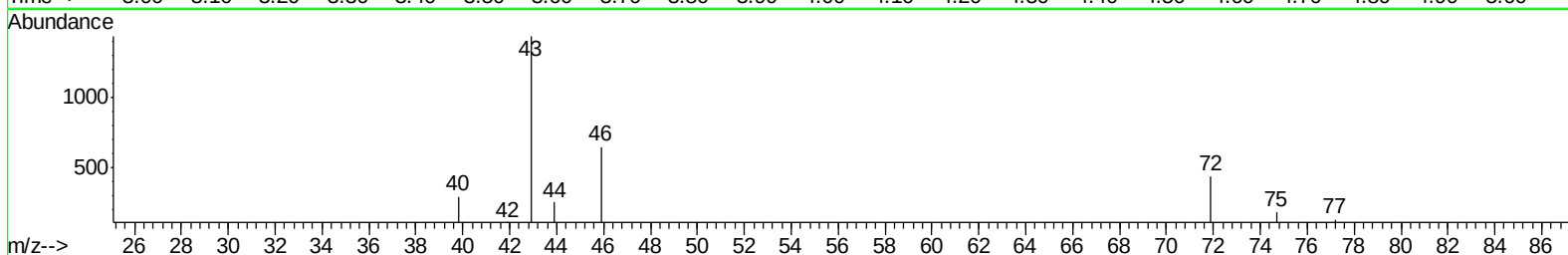
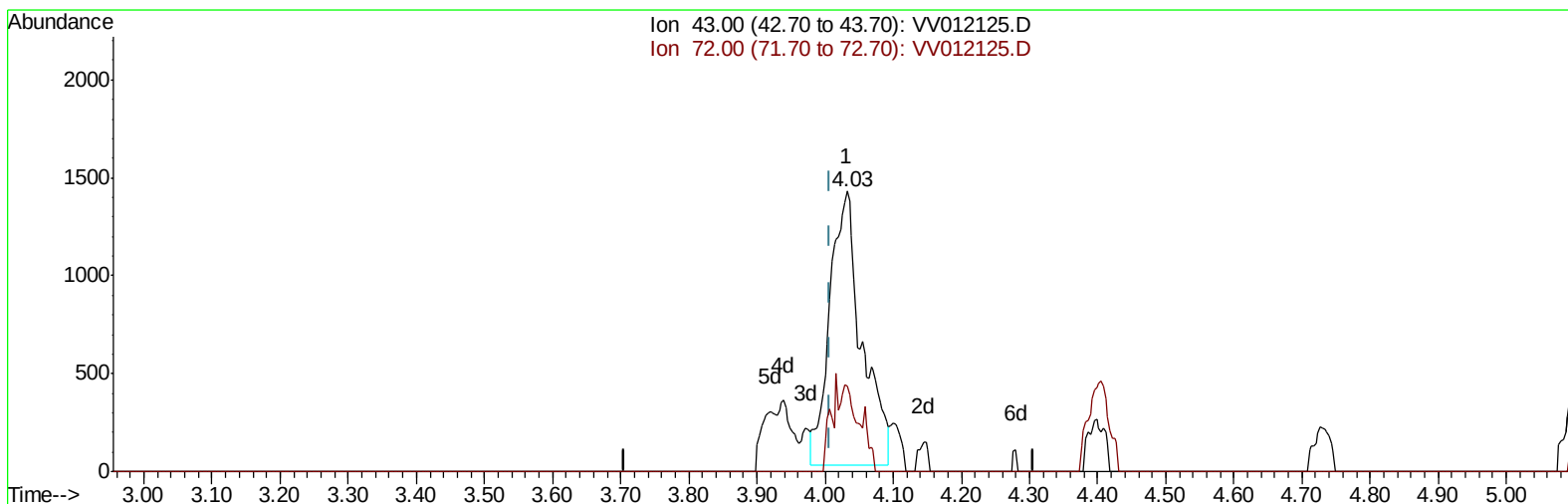
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TIC: VV012125.D

(22) 2-Butanone (T)

4.032min (+0.026) 5.28ug/L m

response 4557

Ion	Exp%	Act%
43.00	100	100
72.00	30.00	12.16#
0.00	0.00	0.00
0.00	0.00	0.00

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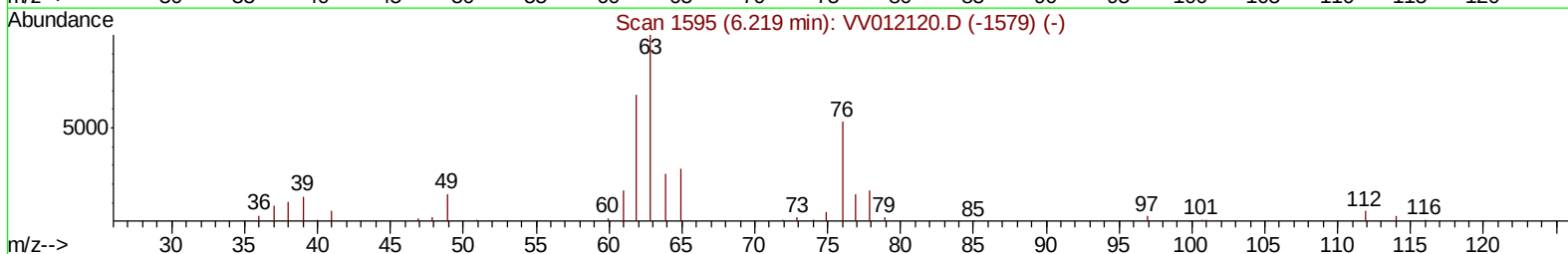
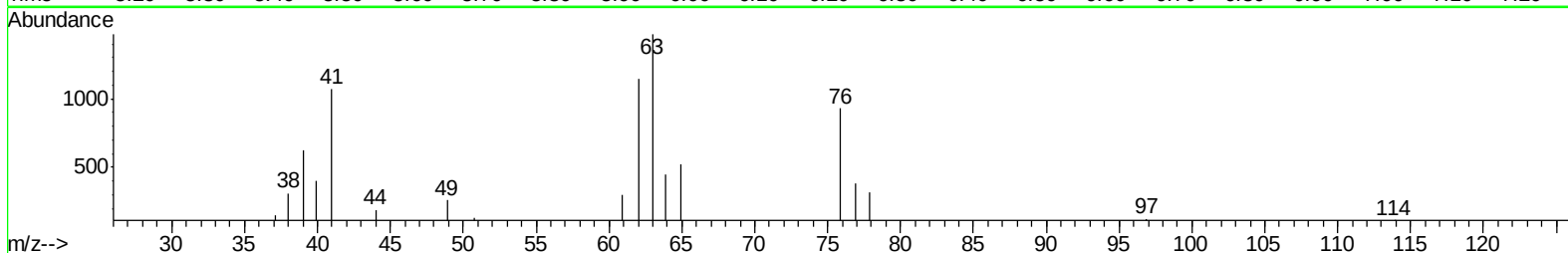
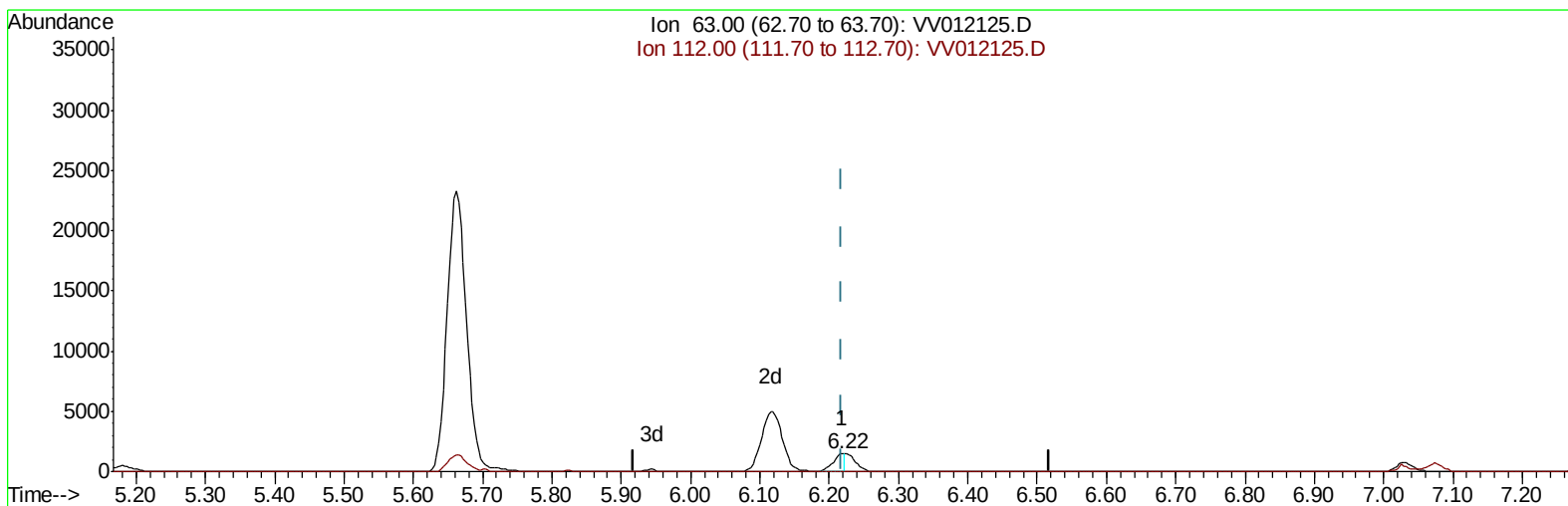
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(37) 1,2-Dichloropropane (T)

6.219min (-0.000) 1.33ug/L

response 1745

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

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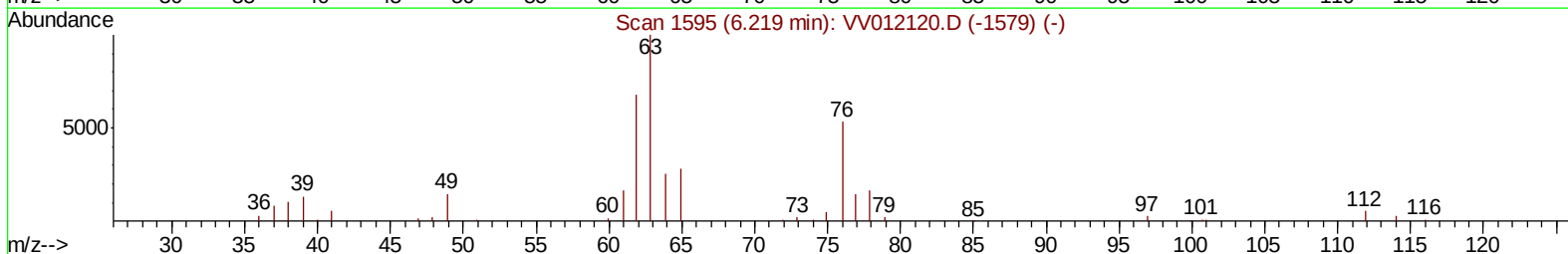
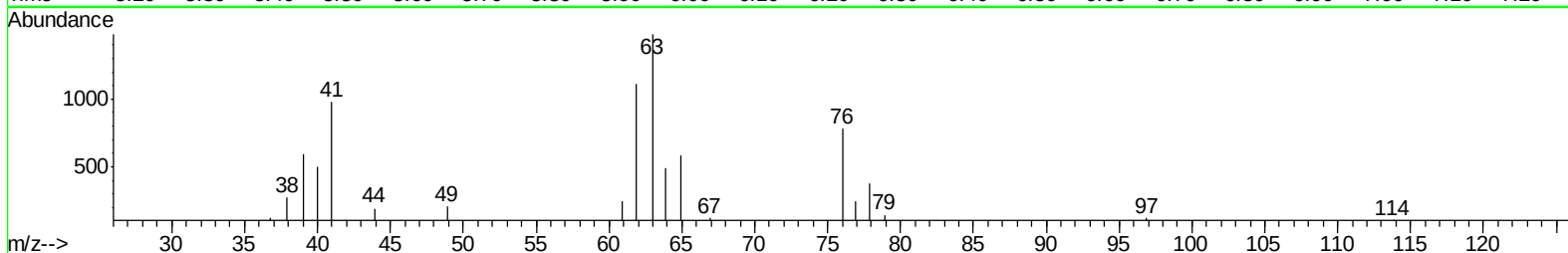
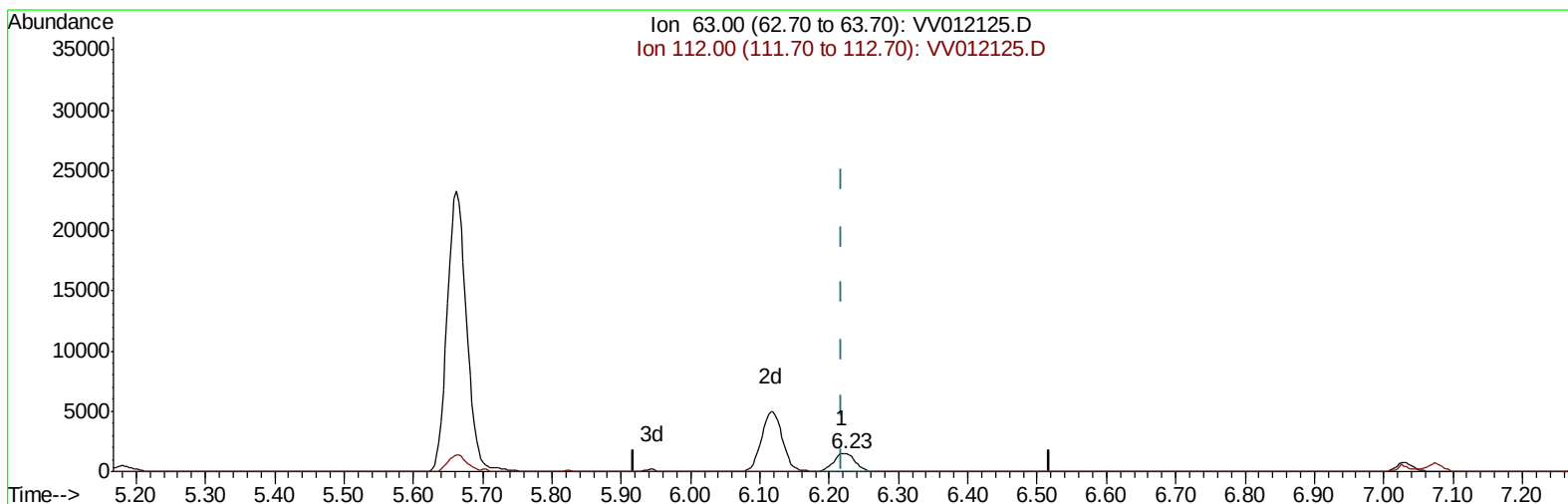
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TIC: VV012125.D

(37) 1,2-Dichloropropane (T)

6.225min (+0.006) 2.45ug/L m

response 3220

Ion	Exp%	Act%
63.00	100	100
112.00	5.20	0.00#
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	246516	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	234096	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	116746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56771	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.26%
7) Chloroethane-d5	1.58	69	38920	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.38%
11) 1,1-Dichloroethene-d2	2.13	63	75395	32.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.54%
21) 2-Butanone-d5	3.92	46	103425	105.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.34%
24) Chloroform-d	4.40	84	154695	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.08	65	107655	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.12%
32) Benzene-d6	5.10	84	301391	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
36) 1,2-Dichloropropane-d6	6.12	67	86855	44.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.02%
41) Toluene-d8	7.36	98	292577	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%
43) trans-1,3-Dichloropropene-	7.66	79	51045	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.02%
47) 2-Hexanone-d5	8.13	63	86442	106.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.66%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	142537	51.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.64%
66) 1,2-Dichlorobenzene-d4	11.67	152	135701	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5097	2.927 ug/L	99
3) Chloromethane	1.25	50	3837	3.104 ug/L	98
5) Vinyl chloride	1.32	62	3161	2.649 ug/L #	45
6) Bromomethane	1.53	94	1985	2.865 ug/L	97
8) Chloroethane	1.60	64	1532	2.451 ug/L	88
9) Trichlorofluoromethane	1.77	101	5369	2.767 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2990	3.144 ug/L	86
12) 1,1-Dichloroethene	2.14	96	2708	3.024 ug/L #	1
13) Acetone	2.19	43	3354	5.010 ug/L	91
14) Carbon disulfide	2.32	76	7163	2.367 ug/L	95
15) Methyl Acetate	2.46	43	2701	2.306 ug/L	93
16) Methylene chloride	2.53	84	3699	2.722 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	3367	2.662 ug/L	92
18) Methyl tert-butyl Ether	2.80	73	11073	2.548 ug/L	98
19) 1,1-Dichloroethane	3.23	63	5269	2.285 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	3748m	2.516 ug/L	
22) 2-Butanone	4.03	43	4557m	5.282 ug/L	

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

23) Bromochloromethane	4.31	128	2022	2.469	ug/L #	78
25) Chloroform	4.43	83	7792	2.981	ug/L	98
27) 1,2-Dichloroethane	5.18	62	5941	2.924	ug/L	98
29) Cyclohexane	4.73	56	4680	2.391	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	6254	2.515	ug/L	94
31) Carbon tetrachloride	4.87	117	5941	2.575	ug/L	100
33) Benzene	5.15	78	12966	2.406	ug/L	100
34) Trichloroethene	5.96	95	3983	2.659	ug/L	87
35) Methylcyclohexane	6.18	83	5593	2.509	ug/L #	75
37) 1,2-Dichloropropane	6.23	63	3220m	2.450	ug/L	
38) Bromodichloromethane	6.56	83	5325	2.575	ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	5540	2.391	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	8961	5.297	ug/L	97
42) Toluene	7.43	91	16156	2.698	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	5533	2.529	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	3474	2.452	ug/L	94
46) Tetrachloroethene	8.02	164	3452	2.474	ug/L	91
48) 2-Hexanone	8.18	43	7478	5.863	ug/L #	95
49) Dibromochloromethane	8.29	129	4579	2.490	ug/L	82
50) 1,2-Dibromoethane	8.40	107	3967	2.532	ug/L	99
51) Chlorobenzene	8.92	112	10676	2.645	ug/L	97
52) Ethylbenzene	9.05	91	16900	2.515	ug/L	99
53) m,p-Xylene	9.18	106	6588	2.542	ug/L	81
54) o-Xylene	9.59	106	6609	2.570	ug/L	94
55) Styrene	9.60	104	10800	2.493	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.29	83	7100	3.259	ug/L #	98
59) Bromoform	9.77	173	3989	2.913	ug/L #	97
60) Isopropylbenzene	9.97	105	17117	2.678	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	5200	3.280	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	14597	2.642	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	13716	2.515	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	8857	2.747	ug/L	97
65) 1,4-Dichlorobenzene	11.31	146	8959	2.749	ug/L	96
67) 1,2-Dichlorobenzene	11.69	146	9612	2.921	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.48	75	1559	2.984	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	6691	2.560	ug/L	94
70) 1,2,4-trichlorobenzene	13.31	180	4504	1.987	ug/L	100
71) Naphthalene	13.55	128	8672	1.510	ug/L #	78
72) 1,2,3-Trichlorobenzene	13.79	180	4743	2.079	ug/L	92

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

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