

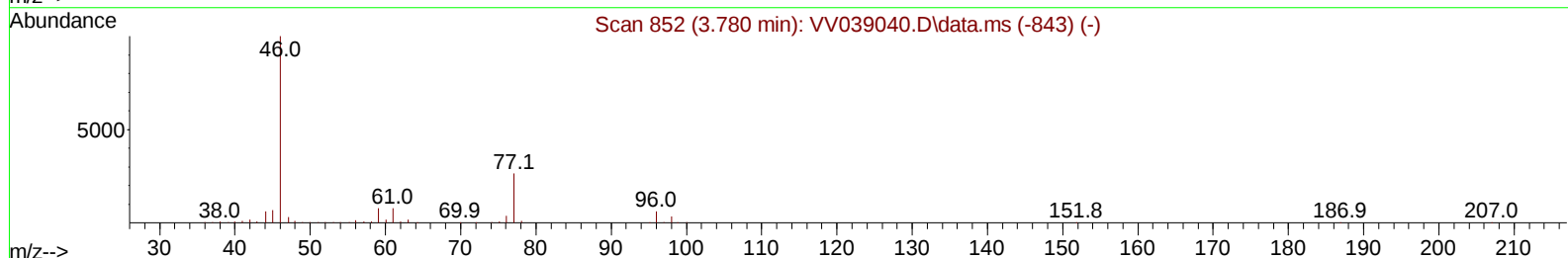
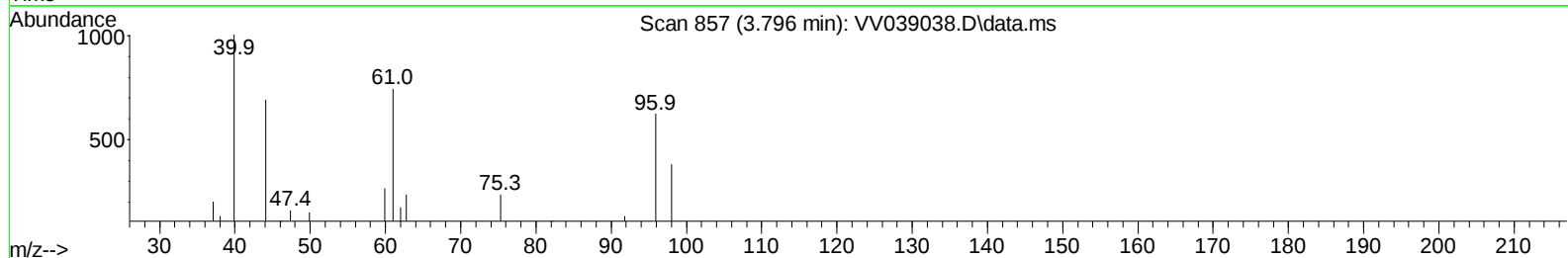
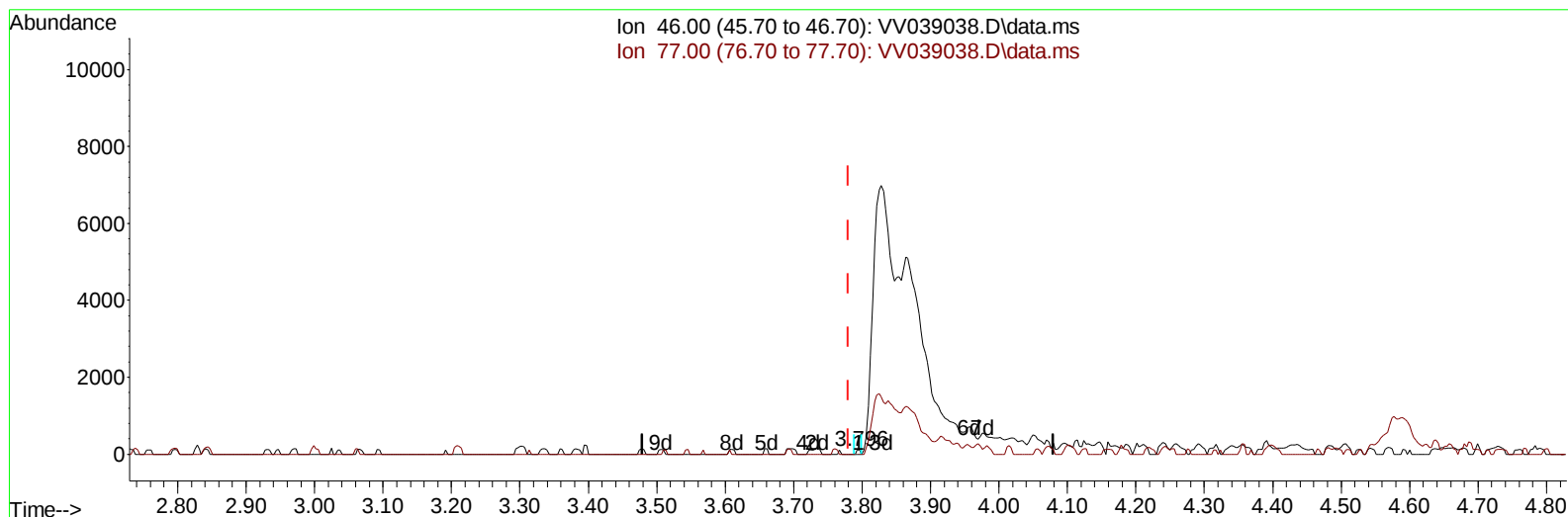
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
Data File : VV039038.D
Acq On : 11 Sep 2025 10:48
Operator : SY/MD
Sample : VSTD00525
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005225

Manual IntegrationsAPPROVED

Quant Time: Sep 12 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 12 01:30:58 2025
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 09/15/2025
Supervised By :Semsettin Yesilyurt 09/15/2025



TIC: VV039038.D\data.ms

(21) 2-Butanone-d5 (S)

3.796min (+ 0.016) 0.01 ug/L

response 41

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	24.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

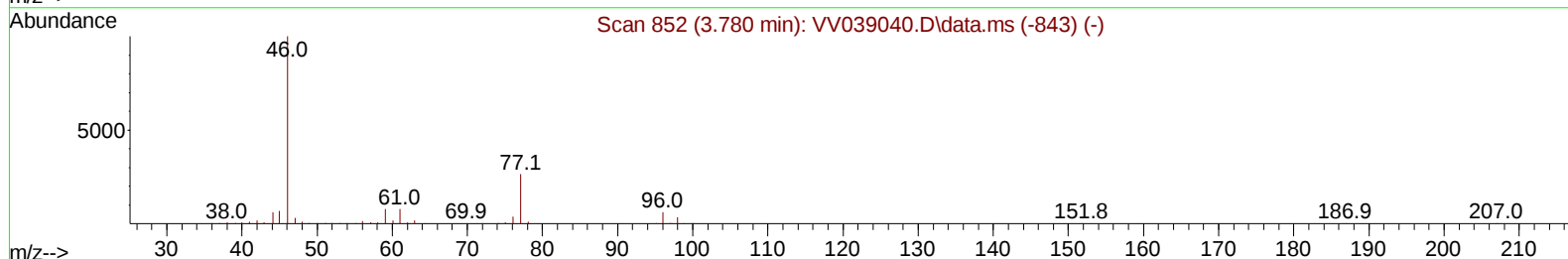
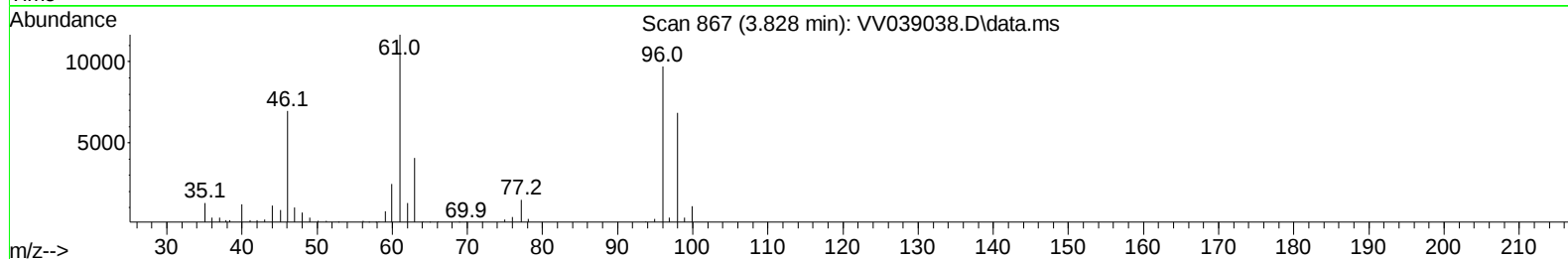
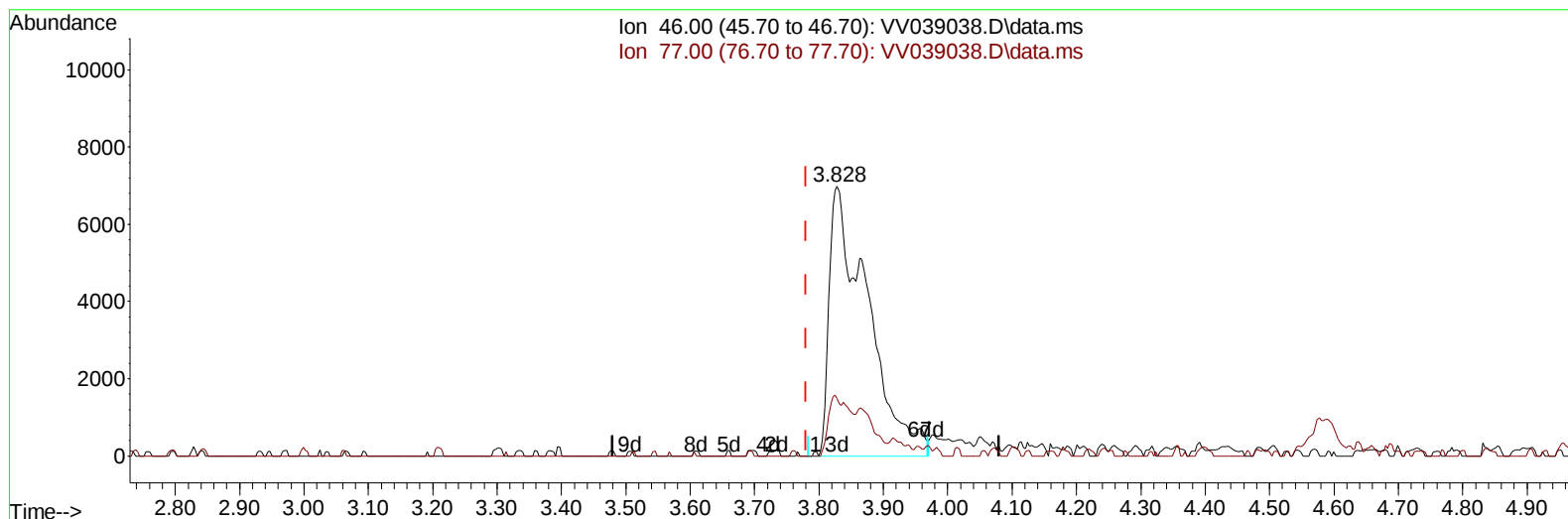
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TIC: VV039038.D\data.ms

(21) 2-Butanone-d5 (S)

3.828min (+ 0.048) 6.02 ug/L m

response 28802

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	24.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

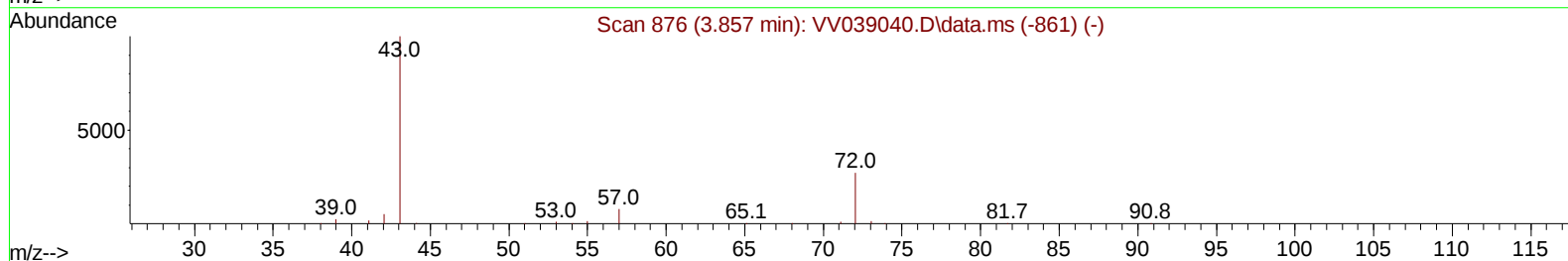
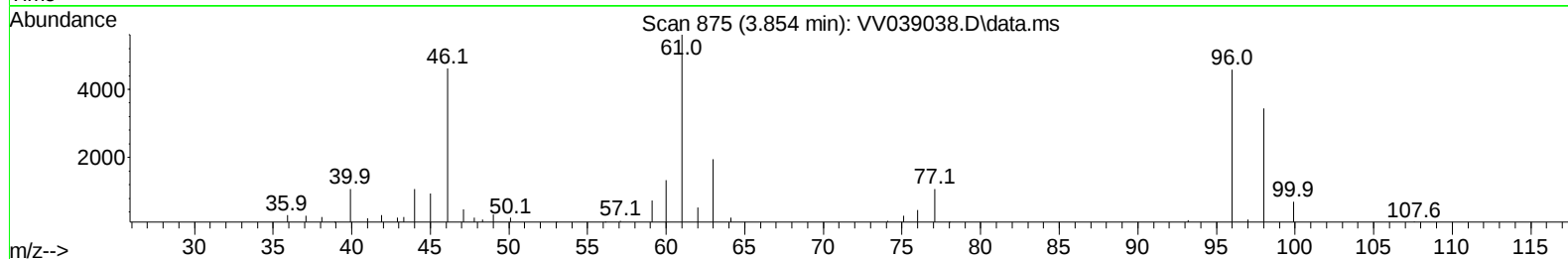
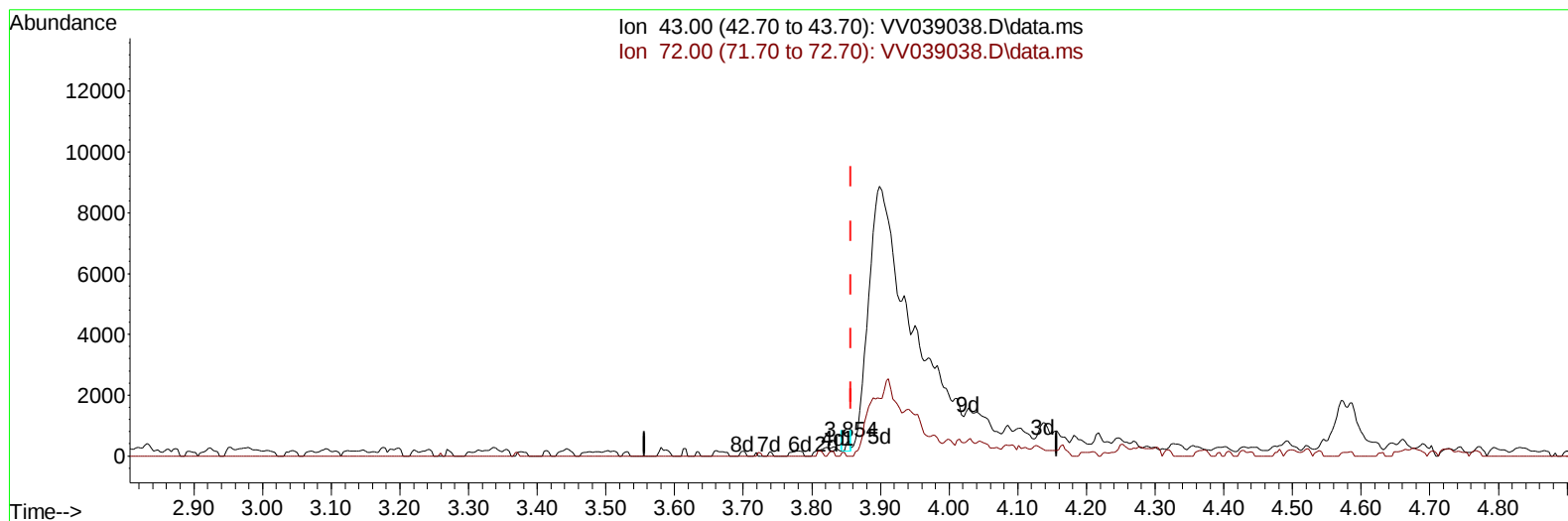
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Data File : VV039038.D
Acq On : 11 Sep 2025 10:48
Operator : SY/MD
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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TIC: VV039038.D\data.ms

(22) 2-Butanone (T)

3.854min (-0.003) 0.03 ug/L

response 135

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.30	33.33
0.00	0.00	0.00
0.00	0.00	0.00

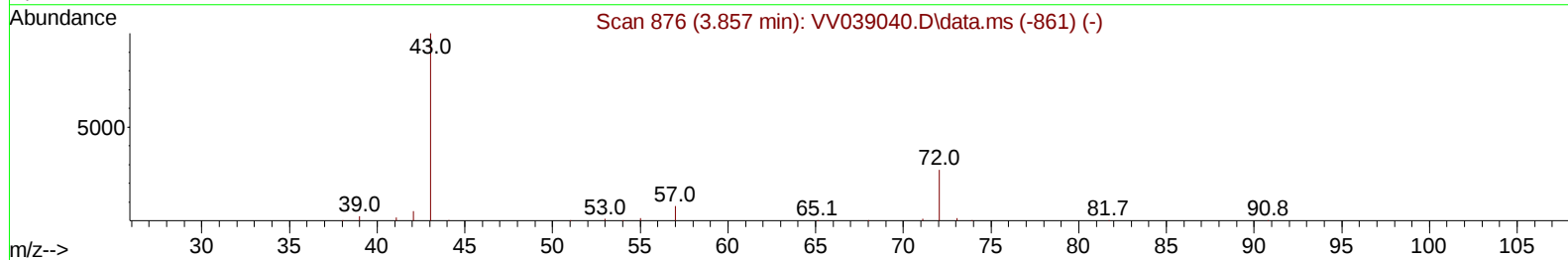
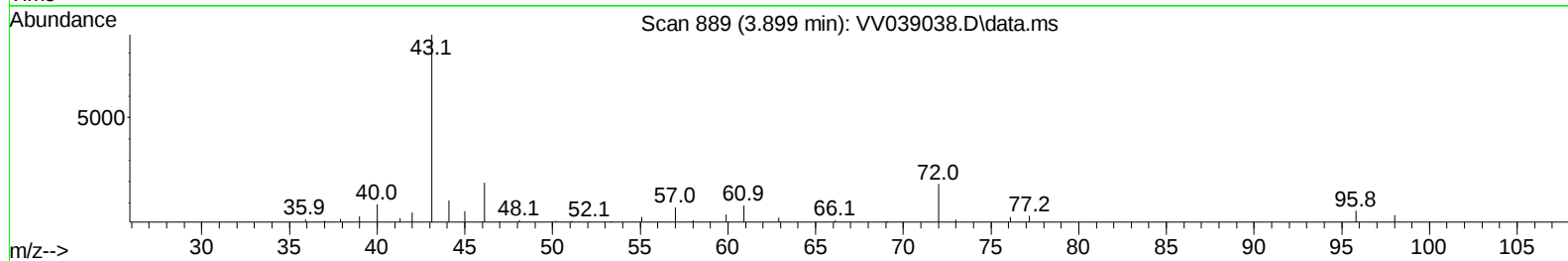
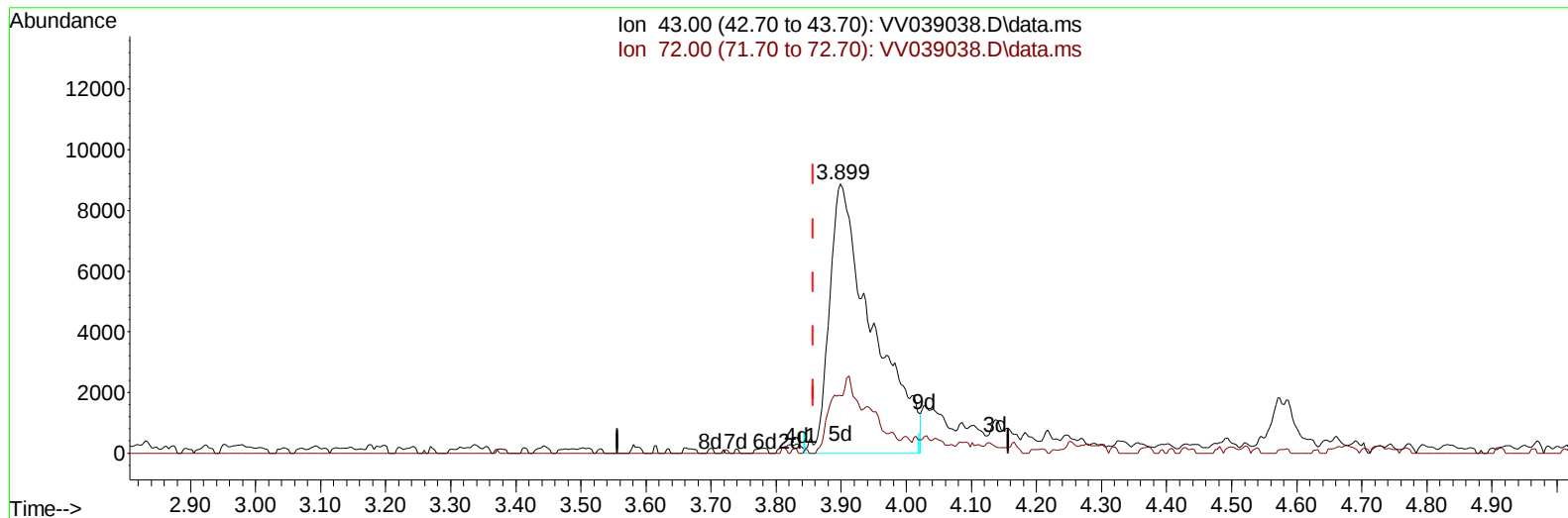
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
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TIC: VV039038.D\data.ms

(22) 2-Butanone (T)

3.899min (+ 0.042) 7.82 ug/L m

response 40584

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.30	0.11#
0.00	0.00	0.00
0.00	0.00	0.00

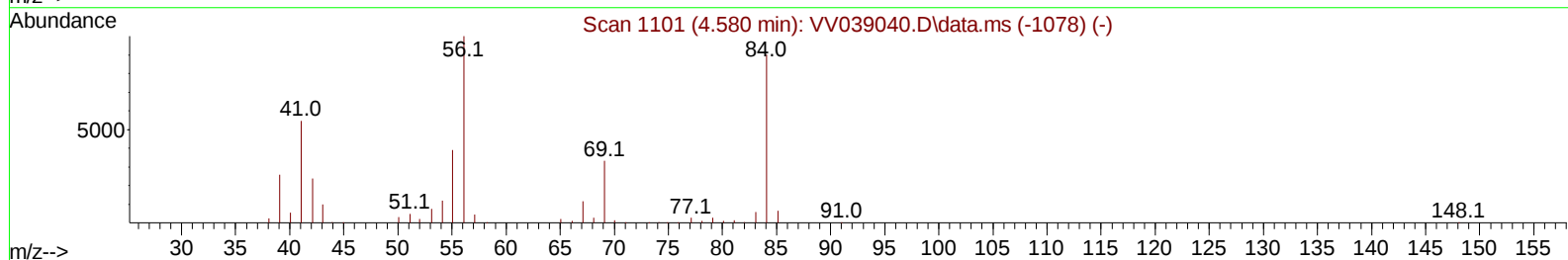
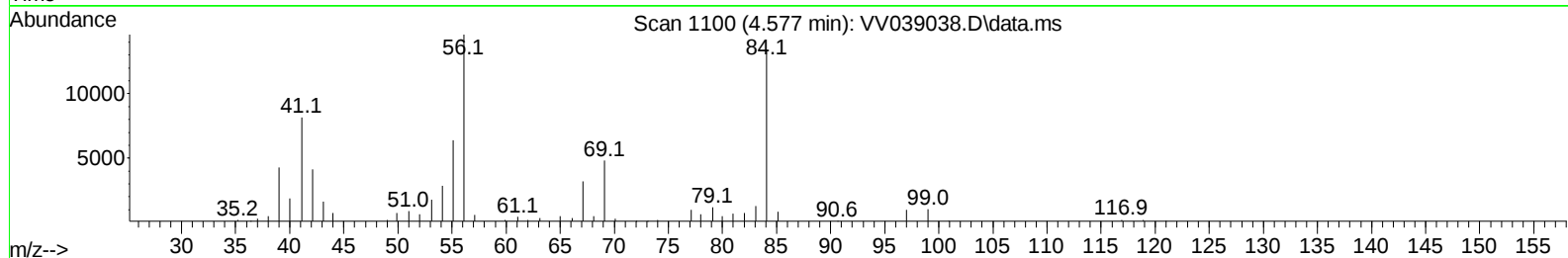
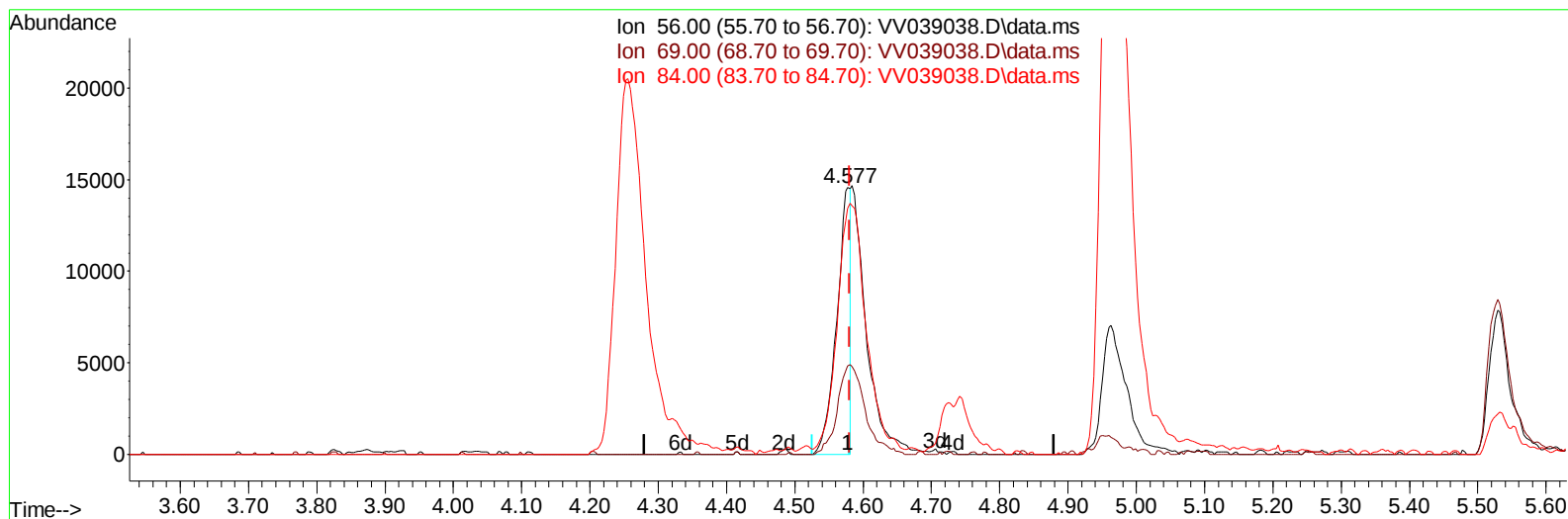
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Data File : VV039038.D
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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TIC: VV039038.D\data.ms

(29) Cyclohexane (T)

4.577min (-0.003) 1.79 ug/L

response 20019

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	31.40	67.44#
84.00	91.20	190.43#
0.00	0.00	0.00

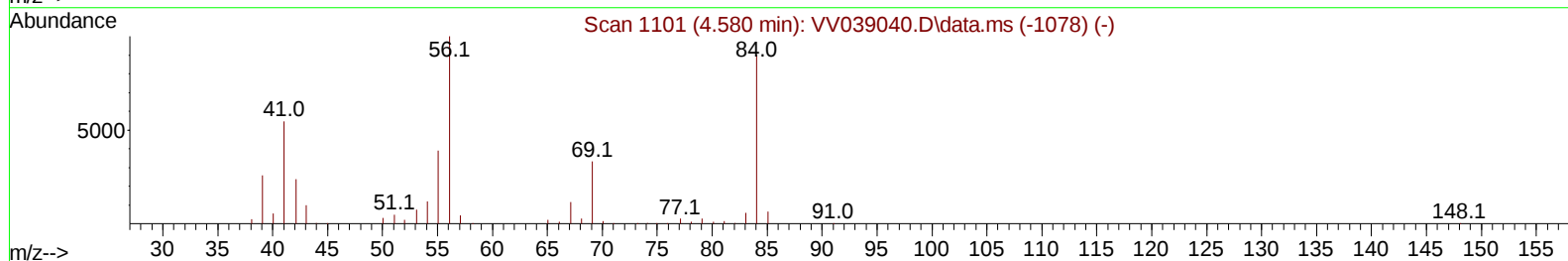
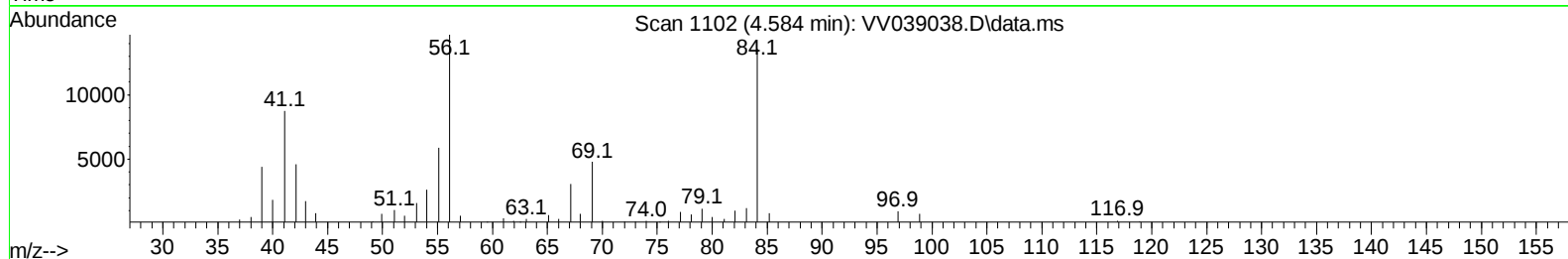
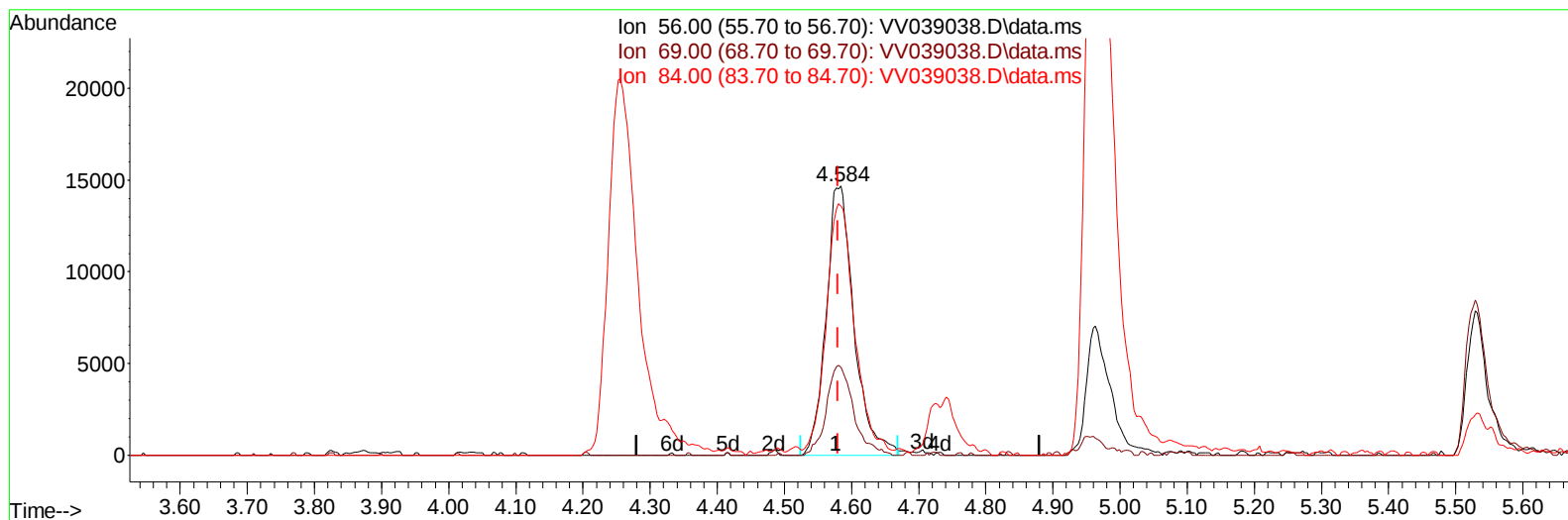
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TIC: VV039038.D\data.ms

(29) Cyclohexane (T)

4.584min (+ 0.003) 3.80 ug/L m

response 42461

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	31.40	31.79
84.00	91.20	89.78
0.00	0.00	0.00

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	794342	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	802688	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	369339	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	38842	5.667	ug/L	0.00
7) Chloroethane-d5	1.545	69	31215	5.146	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.073	65	16677	5.076	ug/L	0.00
21) 2-Butanone-d5	3.828	46	28802m	6.023	ug/L	0.05
24) Chloroform-d	4.256	84	59626	4.303	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.954	65	37413	4.672	ug/L	0.02
32) Benzene-d6	4.963	84	110181	4.384	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	37529	4.543	ug/L	0.01
41) Toluene-d8	7.240	98	95476	4.243	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	15636	4.222	ug/L	0.02
47) 2-Hexanone-d5	8.027	63	15085	4.644	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.143	84	53783	4.385	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	34137	4.740	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	33392	3.807	ug/L	99
3) Chloromethane	1.227	50	39440	4.378	ug/L	96
5) Vinyl chloride	1.295	62	42300	4.482	ug/L	100
6) Bromomethane	1.497	94	21777	4.586	ug/L	99
8) Chloroethane	1.561	64	28654	5.023	ug/L	99
9) Trichlorofluoromethane	1.725	101	61489	4.890	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	37560	4.963	ug/L	99
12) 1,1-Dichloroethene	2.082	96	32409	4.768	ug/L	95
13) Acetone	2.118	43	72512	19.618	ug/L	97
14) Carbon disulfide	2.253	76	109426	5.236	ug/L	100
15) Methyl Acetate	2.388	43	34181	3.919	ug/L	96
16) Methylene chloride	2.455	84	36534	4.702	ug/L	97
17) trans-1,2-Dichloroethene	2.709	96	30632	4.515	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	80198	3.962	ug/L	97
19) 1,1-Dichloroethane	3.121	63	58668	4.236	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	30255	4.161	ug/L	95
22) 2-Butanone	3.899	43	40584m	7.818	ug/L	
23) Bromochloromethane	4.156	128	18210	4.705	ug/L	95
25) Chloroform	4.278	83	65682	4.762	ug/L	95
27) 1,2-Dichloroethane	5.047	62	45536	4.399	ug/L	97
29) Cyclohexane	4.584	56	42461m	3.801	ug/L	
30) 1,1,1-Trichloroethane	4.513	97	56526	4.833	ug/L	99
31) Carbon tetrachloride	4.735	117	50254	4.915	ug/L	100
33) Benzene	5.015	78	119023	4.286	ug/L	100
34) Trichloroethene	5.838	95	33959	4.612	ug/L	98
35) Methylcyclohexane	6.044	83	48686	4.184	ug/L	94
37) 1,2-Dichloropropane	6.092	63	33093	4.186	ug/L #	96
38) Bromodichloromethane	6.433	83	48992	4.696	ug/L	96
39) cis-1,3-Dichloropropene	6.957	75	48456	4.229	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	72572	6.827	ug/L	91
42) Toluene	7.314	91	126006	4.338	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.584	75	46228	4.117	ug/L	88
45) 1,1,2-Trichloroethane	7.764	97	35603	4.485	ug/L	98
46) Tetrachloroethene	7.899	164	26329	4.798	ug/L	97
48) 2-Hexanone	8.076	43	42754	5.561	ug/L #	95
49) Dibromochloromethane	8.169	129	37866	4.715	ug/L	100
50) 1,2-Dibromoethane	8.281	107	35979	4.460	ug/L	95
51) Chlorobenzene	8.805	112	89450	4.613	ug/L	100
52) Ethylbenzene	8.941	91	126636	4.083	ug/L	96
53) m,p-Xylene	9.066	106	48806	4.283	ug/L	92
54) o-Xylene	9.468	106	41365	3.751	ug/L	94
55) Styrene	9.490	104	71354	3.723	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.169	83	56912	4.426	ug/L	98
59) Bromoform	9.658	173	26955	5.236	ug/L	97
60) Isopropylbenzene	9.857	105	113292	4.335	ug/L	100
61) 1,2,3-Trichloropropane	10.198	75	43388	4.930	ug/L	99
62) 1,3,5-Trimethylbenzene	10.465	105	83821	4.113	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	80026	3.988	ug/L	99
64) 1,3-Dichlorobenzene	11.108	146	58044	4.647	ug/L	95
65) 1,4-Dichlorobenzene	11.198	146	65987	4.907	ug/L	96
67) 1,2-Dichlorobenzene	11.571	146	61068	4.837	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.355	75	11851	4.687	ug/L	96
69) 1,3,5-Trichlorobenzene	12.574	180	37177	4.501	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	31444	4.451	ug/L	94
71) Naphthalene	13.429	128	89467	3.593	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	30728	4.152	ug/L	96

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

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