

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072724\
 Data File : VV036739.D
 Acq On : 26 Jul 2024 18:24
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025342

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/10/2024
 Supervised By :Semsettin Yesilyurt 08/10/2024

Quant Time: Jul 27 04:19:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 27 04:14:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	386369	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	393952	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	232463	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	85945	20.310	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.240%
7) Chloroethane-d5	1.526	69	82628	21.619	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.480%
11) 1,1-Dichloroethene-d2	2.050	65	41952	18.749	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.000%
21) 2-Butanone-d5	3.857	46	46539m	47.124	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.240%
24) Chloroform-d	4.243	84	234756	22.974	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.880%
26) 1,2-Dichloroethane-d4	4.941	65	111906	22.198	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	4.957	84	400837	21.468	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.880%
36) 1,2-Dichloropropane-d6	5.986	67	117538	22.093	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.360%
41) Toluene-d8	7.239	98	383874	21.544	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.160%
43) trans-1,3-Dichloroprop...	7.555	79	48734	20.606	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.440%
47) 2-Hexanone-d5	8.034	63	33031	46.654	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.300%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	107846	23.259	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	164045	20.215	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.880%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.101	85	180673	27.573	ug/L	99
3) Chloromethane	1.211	50	146147	28.991	ug/L	99
5) Vinyl chloride	1.275	62	175710	28.185	ug/L	99
6) Bromomethane	1.481	94	131308	26.344	ug/L	100
8) Chloroethane	1.542	64	108791	26.928	ug/L	98
9) Trichlorofluoromethane	1.706	101	284245	26.260	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	176999	26.281	ug/L	98
12) 1,1-Dichloroethene	2.060	96	156401	26.239	ug/L	96
13) Acetone	2.150	43	59216	36.911	ug/L	98
14) Carbon disulfide	2.230	76	450468	27.229	ug/L	99
15) Methyl Acetate	2.388	43	45811	24.477	ug/L	98
16) Methylene chloride	2.439	84	179336	24.946	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	159097	26.430	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	307003	24.316	ug/L	99
19) 1,1-Dichloroethane	3.105	63	253786	26.872	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	155906	24.800	ug/L	97
22) 2-Butanone	3.925	43	57663m	42.344	ug/L	
23) Bromochloromethane	4.143	128	87345	26.144	ug/L	97
25) Chloroform	4.269	83	304916	26.747	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	173127	25.309	ug/L	100
29) Cyclohexane	4.577	56	180685	25.725	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	271449	26.634	ug/L	99
31) Carbon tetrachloride	4.728	117	254630	26.740	ug/L	99
33) Benzene	5.005	78	589346	26.343	ug/L	100
34) Trichloroethene	5.828	95	183959	25.126	ug/L	99
35) Methylcyclohexane	6.047	83	255396	26.198	ug/L	99
37) 1,2-Dichloropropane	6.088	63	137871	26.777	ug/L	99
38) Bromodichloromethane	6.429	83	209108	24.909	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	211871	25.061	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	115776	48.154	ug/L	98
42) Toluene	7.310	91	666947	26.915	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	191050	25.164	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	129252	25.740	ug/L	98
46) Tetrachloroethene	7.902	164	165338	22.758	ug/L	99
48) 2-Hexanone	8.082	43	83954	44.536	ug/L	99
49) Dibromochloromethane	8.172	129	160652	25.393	ug/L	98
50) 1,2-Dibromoethane	8.281	107	128687	25.508	ug/L	98
51) Chlorobenzene	8.812	112	453204	25.260	ug/L	100
52) Ethylbenzene	8.944	91	706058	25.903	ug/L	99
53) m,p-Xylene	9.069	106	288785	27.136	ug/L	98
54) o-Xylene	9.477	106	263952	25.815	ug/L	100
55) Styrene	9.493	104	486611	28.066	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	116255	25.552	ug/L	99
59) Bromoform	9.664	173	106707	24.373	ug/L	99
60) Isopropylbenzene	9.863	105	730396	25.676	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	103288	25.204	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	577647	26.033	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	581645	25.895	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	394484	24.807	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	404677	24.711	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	358711	24.260	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	23523	24.375	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	296193	23.611	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	228143	22.389	ug/L	99
71) Naphthalene	13.435	128	320028	21.112	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	225671	24.545	ug/L	99

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

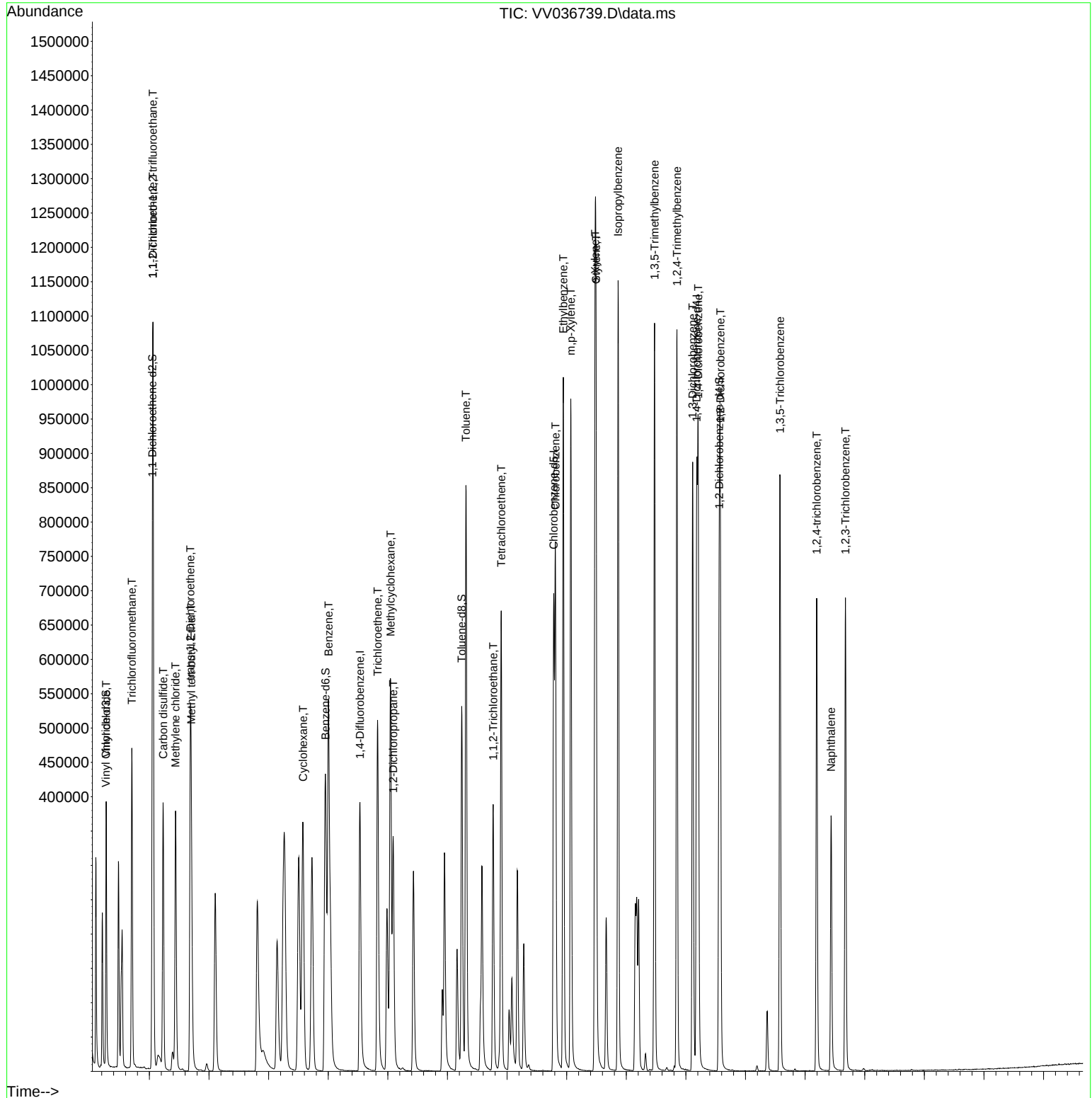
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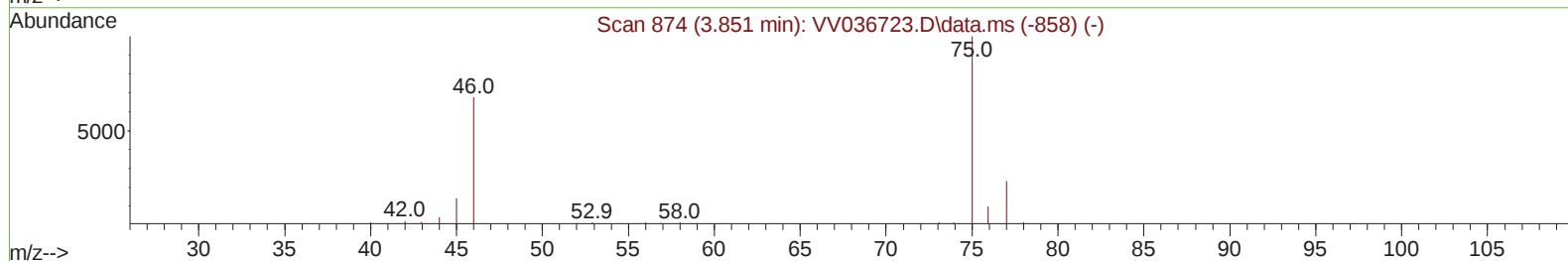
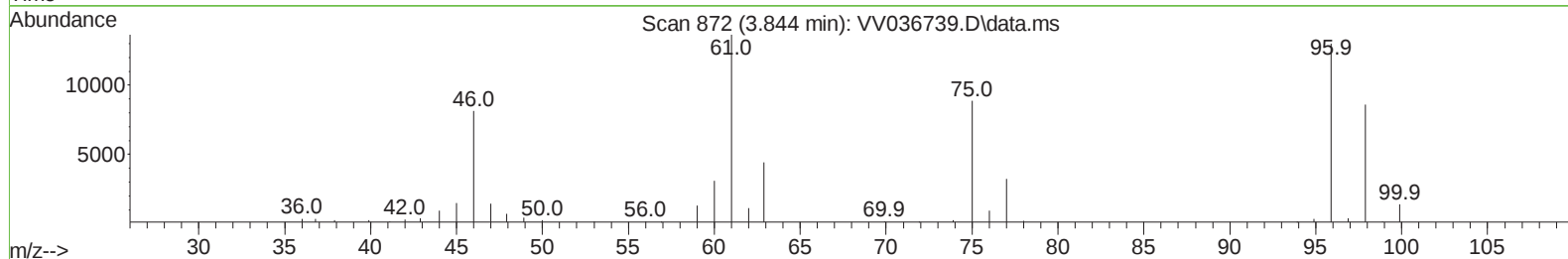
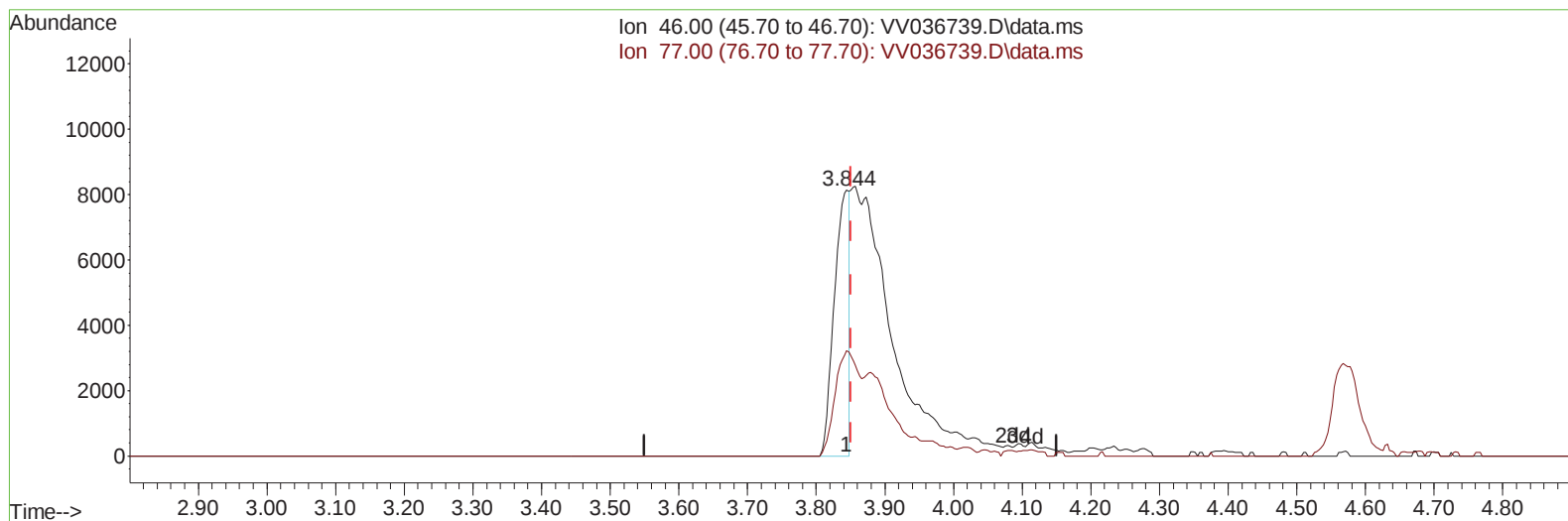
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TIC: VV036739.D\data.ms

(21) 2-Butanone-d5 (S)

3.844min (-0.006) 12.21 ug/L

response 12060

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	8.90	64.08#
0.00	0.00	0.00
0.00	0.00	0.00

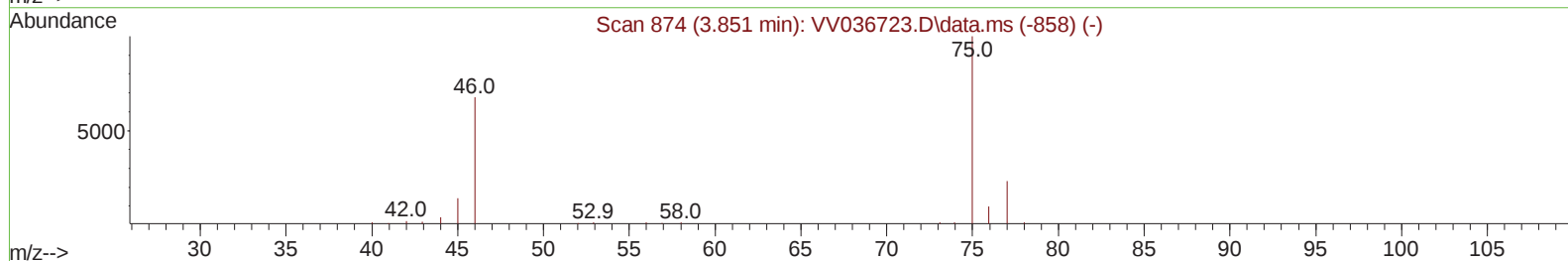
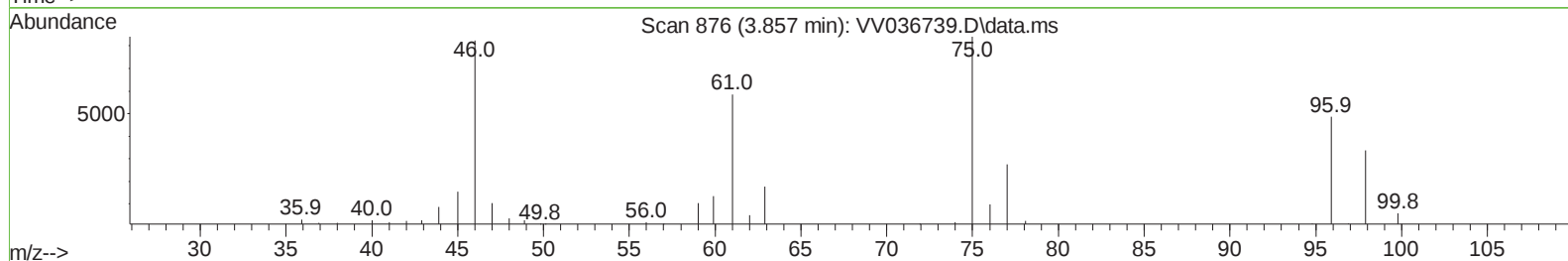
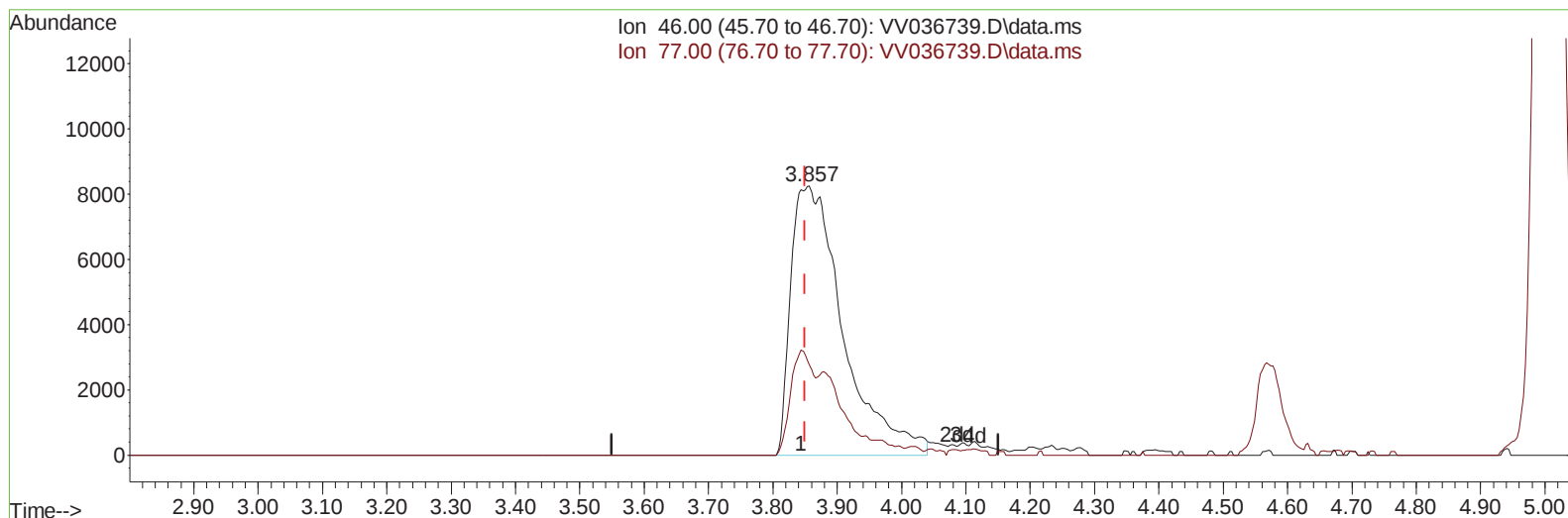
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(21) 2-Butanone-d5 (S)

3.857min (+ 0.006) 47.12 ug/L m

response 46539

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	8.90	16.61#
0.00	0.00	0.00
0.00	0.00	0.00

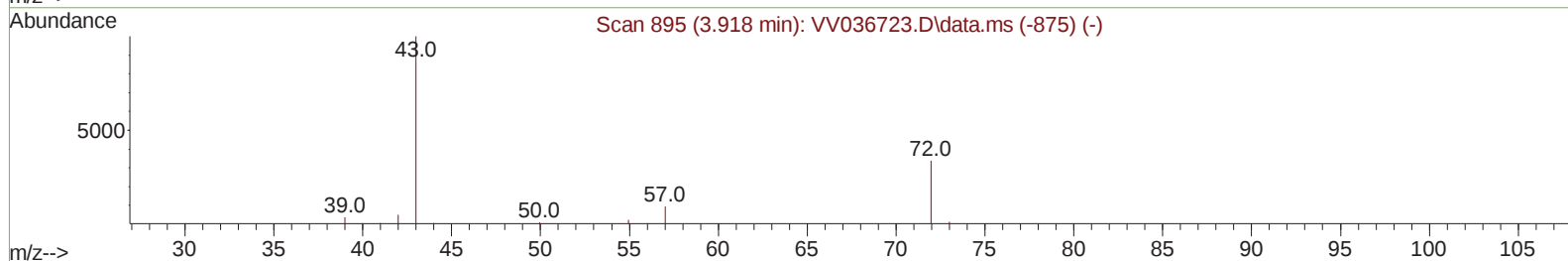
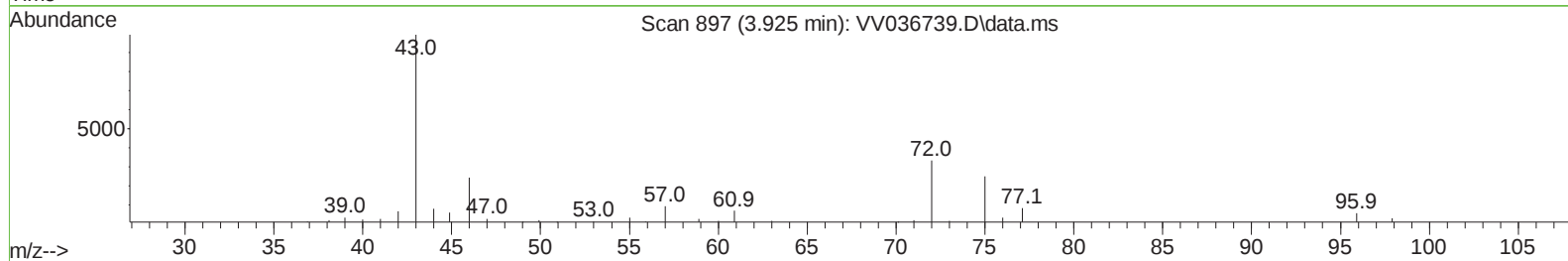
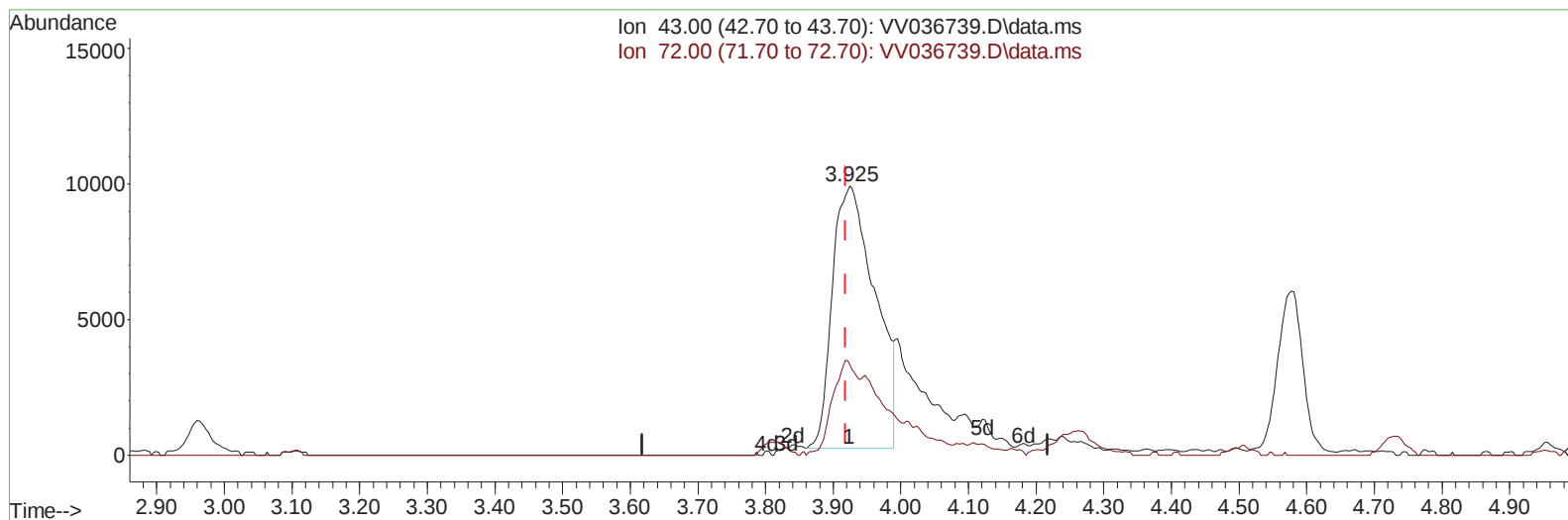
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(22) 2-Butanone (T)

3.925min (+ 0.006) 31.08 ug/L

response 42320

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	30.30	21.65
0.00	0.00	0.00
0.00	0.00	0.00

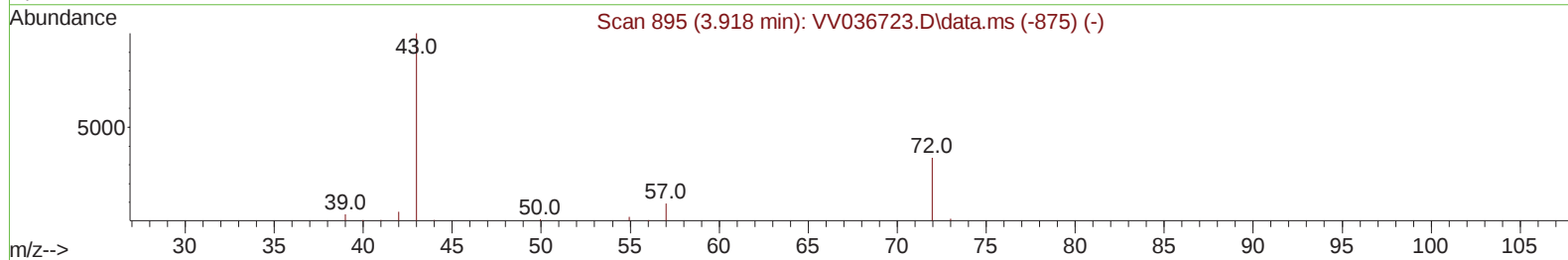
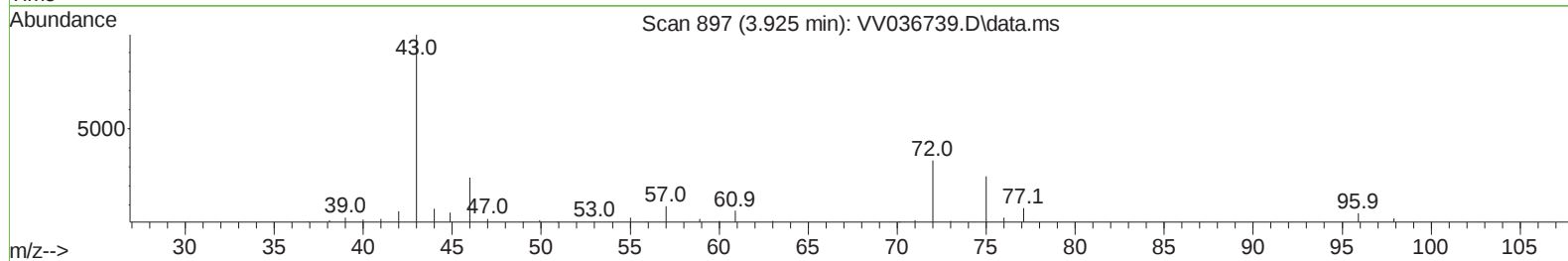
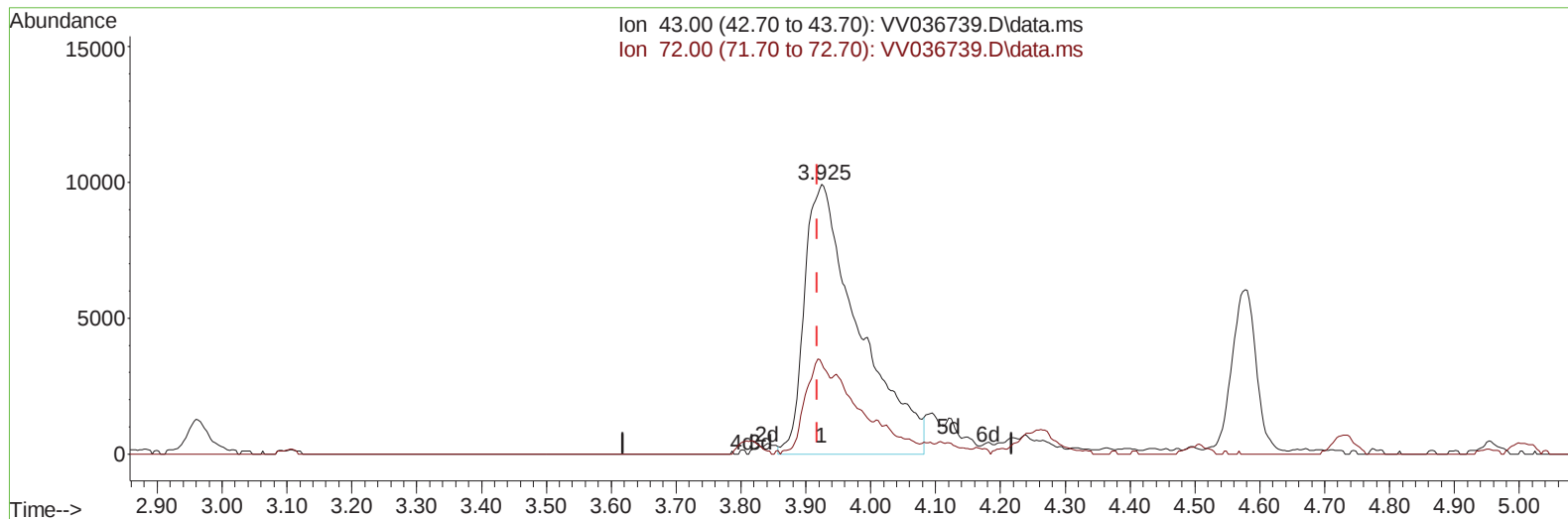
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TIC: VV036739.D\data.ms

(22) 2-Butanone (T)

3.925min (+ 0.006) 42.34 ug/L m

response 57663

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	30.30	15.89
0.00	0.00	0.00
0.00	0.00	0.00

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25) Chloroform	4.269	83	304916	26.747	ug/L	99
27) 1,2-Dichloroethane	5.037	62	173127	25.309	ug/L	100
29) Cyclohexane	4.577	56	180685	25.725	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	271449	26.634	ug/L	99
31) Carbon tetrachloride	4.728	117	254630	26.740	ug/L	99
33) Benzene	5.005	78	589346	26.343	ug/L	100
34) Trichloroethene	5.828	95	183959	25.126	ug/L	99
35) Methylcyclohexane	6.047	83	255396	26.198	ug/L	99
37) 1,2-Dichloropropane	6.088	63	137871	26.777	ug/L	99
38) Bromodichloromethane	6.429	83	209108	24.909	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	211871	25.061	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	115776	48.154	ug/L	98
42) Toluene	7.310	91	666947	26.915	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	191050	25.164	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	129252	25.740	ug/L	98
46) Tetrachloroethene	7.902	164	165338	22.758	ug/L	99
48) 2-Hexanone	8.082	43	83954	44.536	ug/L	99
49) Dibromochloromethane	8.172	129	160652	25.393	ug/L	98
50) 1,2-Dibromoethane	8.281	107	128687	25.508	ug/L	98
51) Chlorobenzene	8.812	112	453204	25.260	ug/L	100
52) Ethylbenzene	8.944	91	706058	25.903	ug/L	99
53) m,p-Xylene	9.069	106	288785	27.136	ug/L	98
54) o-Xylene	9.477	106	263952	25.815	ug/L	100
55) Styrene	9.493	104	486611	28.066	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	116255	25.552	ug/L	99
59) Bromoform	9.664	173	106707	24.373	ug/L	99
60) Isopropylbenzene	9.863	105	730396	25.676	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	103288	25.204	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	577647	26.033	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	581645	25.895	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	394484	24.807	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	404677	24.711	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	358711	24.260	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	23523	24.375	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	296193	23.611	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	228143	22.389	ug/L	99
71) Naphthalene	13.435	128	320028	21.112	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	225671	24.545	ug/L	99

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD025342

Manual Integrations

Reviewed By :Mahesh Dadoda 08/10/2024
Supervised By :Semsettin Yesilyurt 08/10/2024

