

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082224\
 Data File : VW037010.D
 Acq On : 23 Aug 2024 01:23
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025369

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

Quant Time: Aug 23 05:22:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	708722	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	658561	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	308514	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	153665	15.474	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	61.880%		
7) Chloroethane-d5	1.532	69	160443	18.888	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.560%		
11) 1,1-Dichloroethene-d2	2.056	65	84794	17.725	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	70.880%		
21) 2-Butanone-d5	3.844	46	88012m	47.789	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	95.580%		
24) Chloroform-d	4.243	84	456752	22.869	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	91.480%		
26) 1,2-Dichloroethane-d4	4.937	65	218648	23.799	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	95.200%		
32) Benzene-d6	4.950	84	863217	21.874	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	87.480%		
36) 1,2-Dichloropropane-d6	5.985	67	271509	22.725	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	90.880%		
41) Toluene-d8	7.236	98	814800	22.652	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	90.600%		
43) trans-1,3-Dichloroprop...	7.551	79	97394	23.365	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	93.440%		
47) 2-Hexanone-d5	8.034	63	55426	52.447	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	104.900%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	149506	22.602	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	90.400%		
66) 1,2-Dichlorobenzene-d4	11.554	152	257587	23.325	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	93.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	226974	20.505	ug/L	99
3) Chloromethane	1.217	50	294131	22.951	ug/L	98
5) Vinyl chloride	1.281	62	295670	23.295	ug/L	100
6) Bromomethane	1.487	94	202502	25.087	ug/L	99
8) Chloroethane	1.548	64	199875	24.932	ug/L	100
9) Trichlorofluoromethane	1.712	101	390694	23.313	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	234204	22.676	ug/L	99
12) 1,1-Dichloroethene	2.066	96	235802	24.514	ug/L	97
13) Acetone	2.159	43	86316	39.937	ug/L	89
14) Carbon disulfide	2.236	76	770023	24.176	ug/L	99
15) Methyl Acetate	2.384	43	96449	27.382	ug/L	99
16) Methylene chloride	2.442	84	340619	24.162	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	279849	26.579	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	627074	28.747	ug/L	99
19) 1,1-Dichloroethane	3.104	63	544388	26.561	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	306356	27.126	ug/L	97
22) 2-Butanone	3.915	43	107331	48.254	ug/L	99
23) Bromochloromethane	4.140	128	122158	27.256	ug/L	96
25) Chloroform	4.268	83	541873	27.047	ug/L	100

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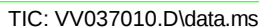
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	319862	29.196	ug/L	99
29) Cyclohexane	4.571	56	384834	22.526	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	432785	26.062	ug/L	99
31) Carbon tetrachloride	4.725	117	350572	25.014	ug/L	99
33) Benzene	5.001	78	1125198	26.209	ug/L	100
34) Trichloroethene	5.825	95	315557	26.037	ug/L	97
35) Methylcyclohexane	6.040	83	427937	22.837	ug/L	99
37) 1,2-Dichloropropane	6.088	63	279279	26.928	ug/L	100
38) Bromodichloromethane	6.429	83	361627	28.072	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	406291	26.829	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	241230	55.097	ug/L	98
42) Toluene	7.307	91	1203602	26.760	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	323242	28.052	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	183209	26.918	ug/L	99
46) Tetrachloroethene	7.898	164	204146	23.824	ug/L	95
48) 2-Hexanone	8.079	43	160930	49.060	ug/L	96
49) Dibromochloromethane	8.172	129	207750	27.745	ug/L	97
50) 1,2-Dibromoethane	8.278	107	170940	27.830	ug/L	98
51) Chlorobenzene	8.808	112	769925	26.806	ug/L	99
52) Ethylbenzene	8.940	91	1372450	27.062	ug/L	99
53) m,p-Xylene	9.066	106	509506	27.040	ug/L	96
54) o-Xylene	9.471	106	497744	27.653	ug/L	99
55) Styrene	9.490	104	835393	28.121	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	165659	26.291	ug/L	96
59) Bromoform	9.660	173	103662	29.668	ug/L	97
60) Isopropylbenzene	9.860	105	1341478	27.577	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	137830	27.704	ug/L	98
62) 1,3,5-Trimethylbenzene	10.467	105	1124998	28.248	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	1132954	29.186	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	572005	27.514	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	564407	27.180	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	503542	27.956	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	27580	28.368	ug/L	91
69) 1,3,5-Trichlorobenzene	12.577	180	396588	27.374	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	323480	27.901	ug/L	99
71) Naphthalene	13.432	128	535335	30.651	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	277722	28.931	ug/L	99

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

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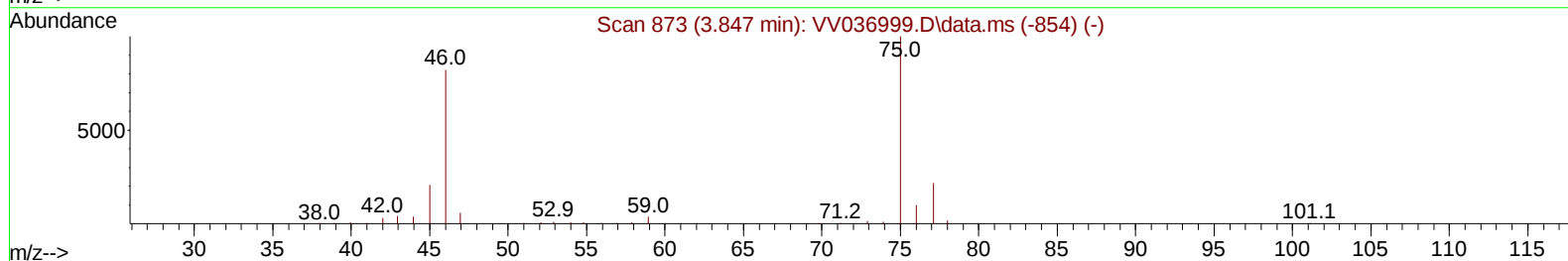
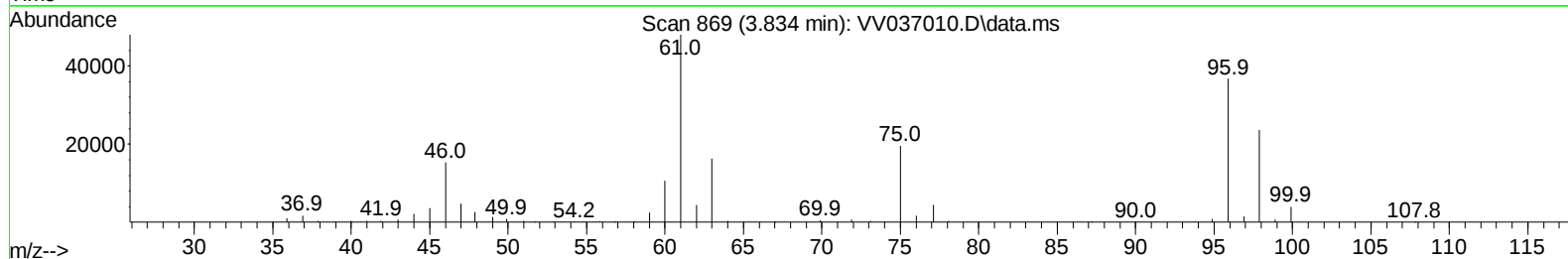
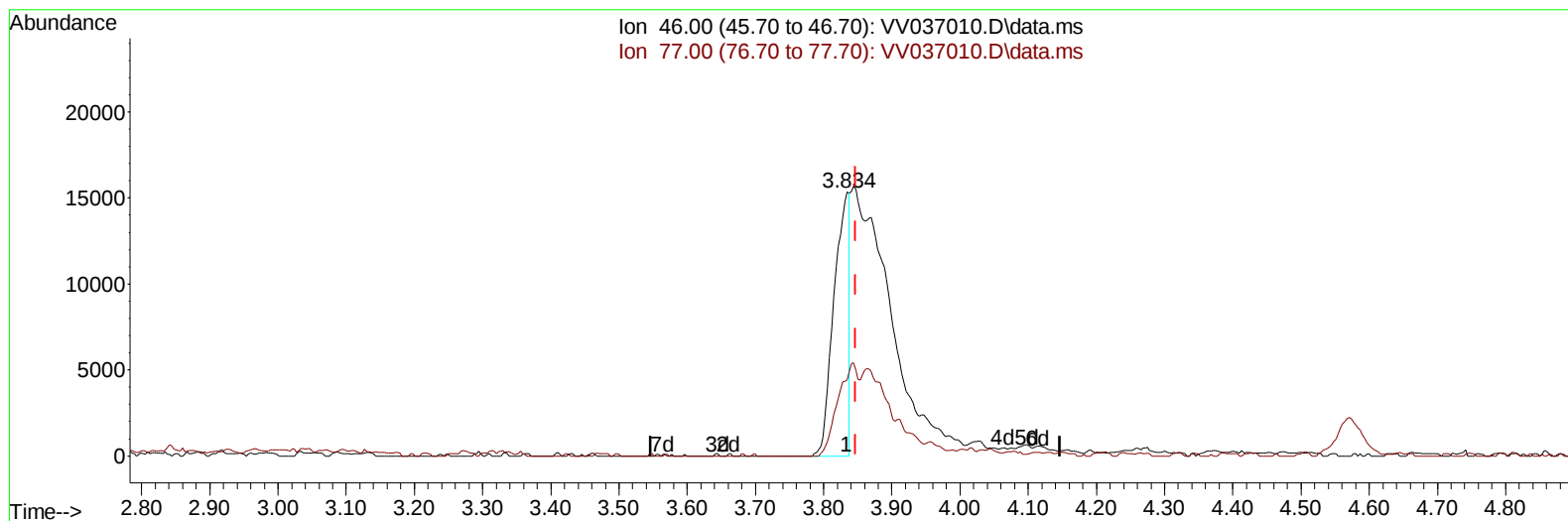
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TIC: VV037010.D\data.ms

(21) 2-Butanone-d5 (S)

3.834min (-0.013) 13.24 ug/L

response 24375

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	11.60	2.45#
0.00	0.00	0.00
0.00	0.00	0.00

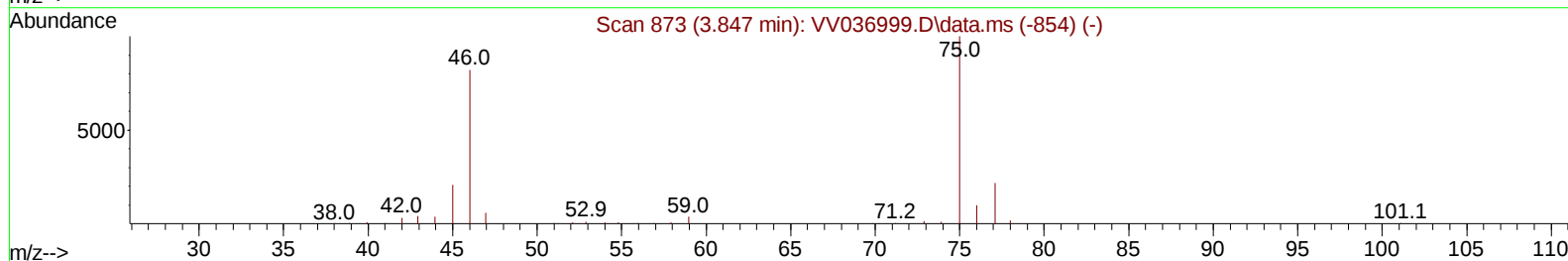
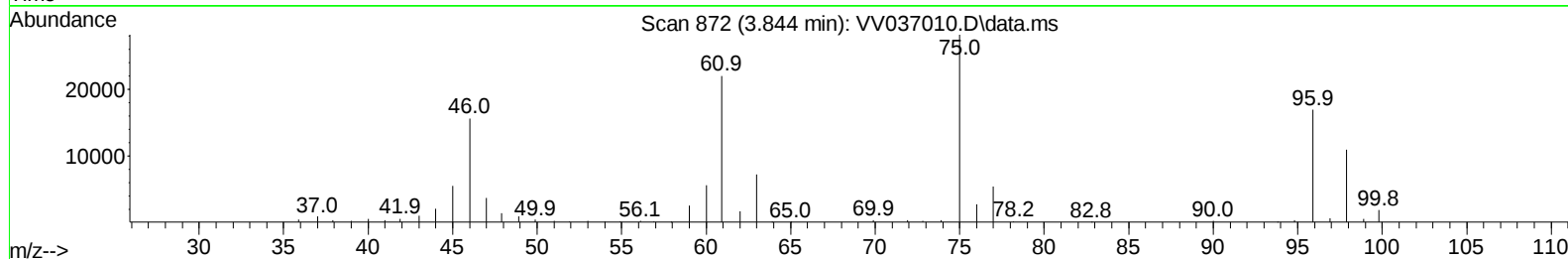
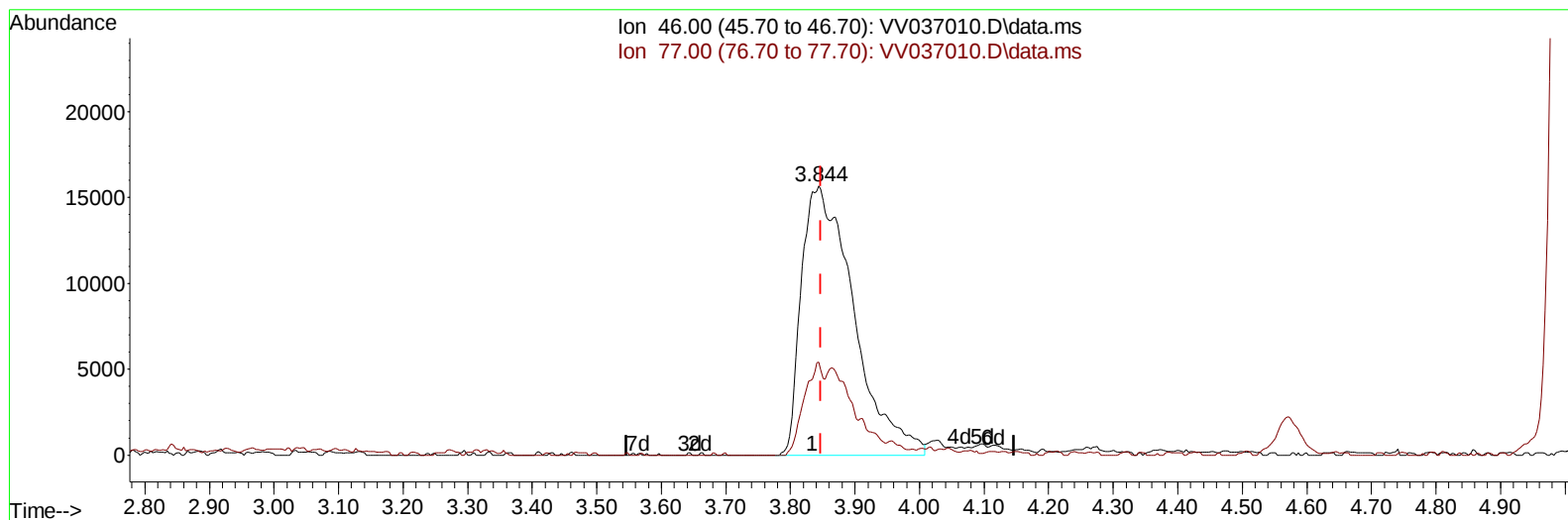
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TIC: VV037010.D\data.ms

(21) 2-Butanone-d5 (S)

3.844min (-0.003) 47.79 ug/L m

response 88012

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	11.60	0.68#
0.00	0.00	0.00
0.00	0.00	0.00

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

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System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	153665	15.474	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery =	61.880%		
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13) Acetone	2.159	43	86316	39.937	ug/L	89
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16) Methylene chloride	2.442	84	340619	24.162	ug/L	98
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19) 1,1-Dichloroethane	3.104	63	544388	26.561	ug/L	98
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39) cis-1,3-Dichloropropene	6.950	75	406291	26.829	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	241230	55.097	ug/L	98
42) Toluene	7.307	91	1203602	26.760	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	323242	28.052	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	183209	26.918	ug/L	99
46) Tetrachloroethene	7.898	164	204146	23.824	ug/L	95
48) 2-Hexanone	8.079	43	160930	49.060	ug/L	96
49) Dibromochloromethane	8.172	129	207750	27.745	ug/L	97
50) 1,2-Dibromoethane	8.278	107	170940	27.830	ug/L	98
51) Chlorobenzene	8.808	112	769925	26.806	ug/L	99
52) Ethylbenzene	8.940	91	1372450	27.062	ug/L	99
53) m,p-Xylene	9.066	106	509506	27.040	ug/L	96
54) o-Xylene	9.471	106	497744	27.653	ug/L	99
55) Styrene	9.490	104	835393	28.121	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	165659	26.291	ug/L	96
59) Bromoform	9.660	173	103662	29.668	ug/L	97
60) Isopropylbenzene	9.860	105	1341478	27.577	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	137830	27.704	ug/L	98
62) 1,3,5-Trimethylbenzene	10.467	105	1124998	28.248	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	1132954	29.186	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	572005	27.514	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	564407	27.180	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	503542	27.956	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	27580	28.368	ug/L	91
69) 1,3,5-Trichlorobenzene	12.577	180	396588	27.374	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	323480	27.901	ug/L	99
71) Naphthalene	13.432	128	535335	30.651	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	277722	28.931	ug/L	99

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