

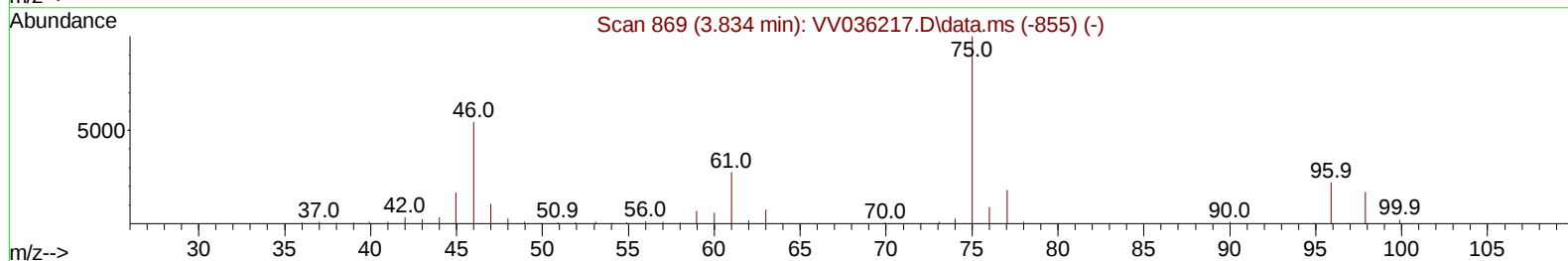
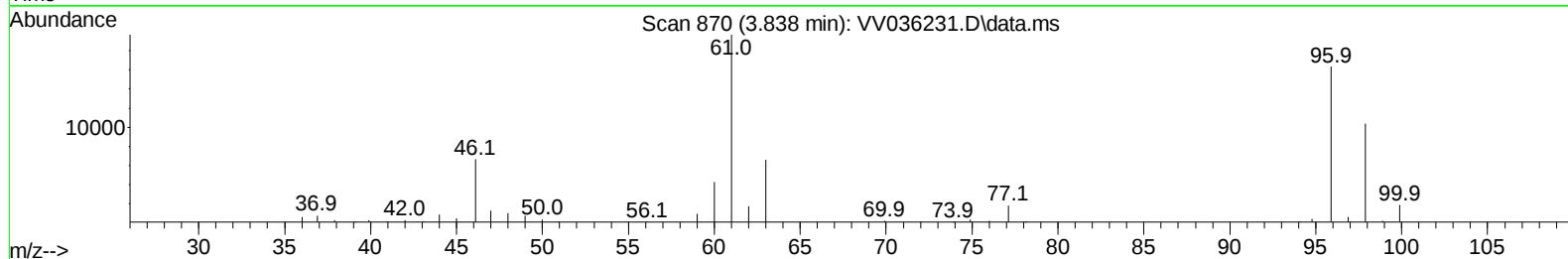
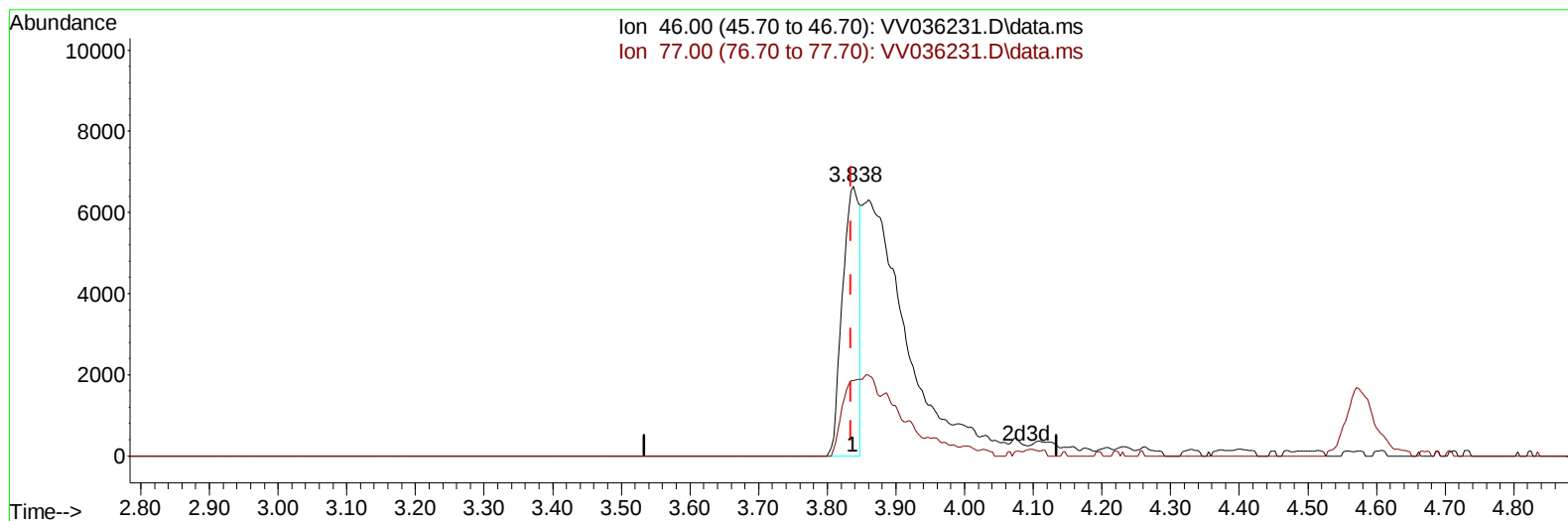
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062124\
Data File : VV036231.D
Acq On : 22 Jun 2024 01:41
Operator : SY/MD
Sample : P2987-18MSD
Misc : 3.99g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0TA5MSD

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 22 03:03:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 02:57:23 2024
Response via : Initial Calibration



TIC: VV036231.D\data.ms

(21) 2-Butanone-d5 (S)

3.838min (+ 0.003) 6.11 ug/L

response 11414

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	11.90	57.05#
0.00	0.00	0.00
0.00	0.00	0.00

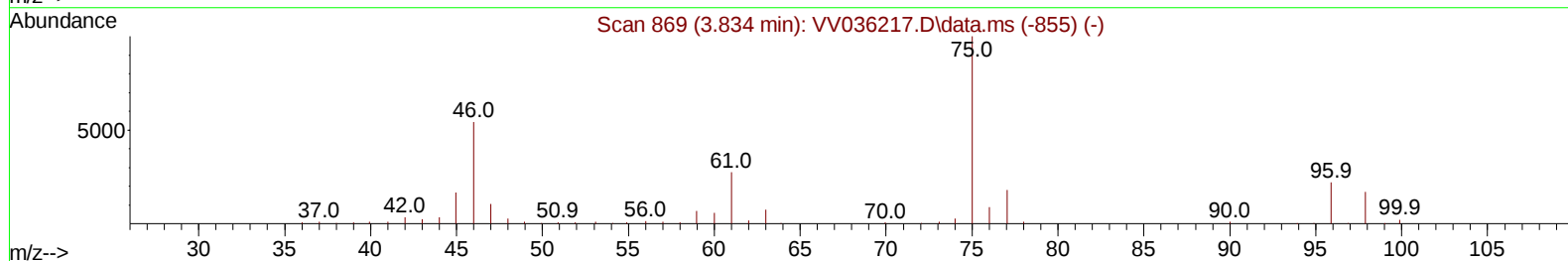
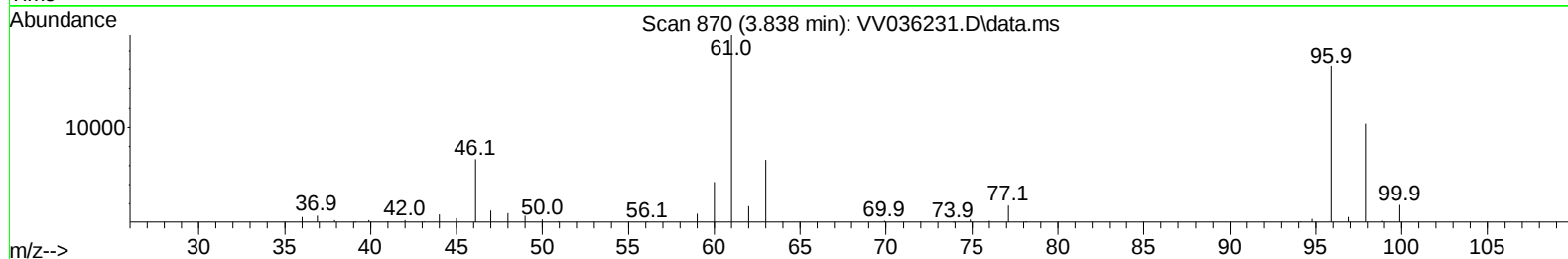
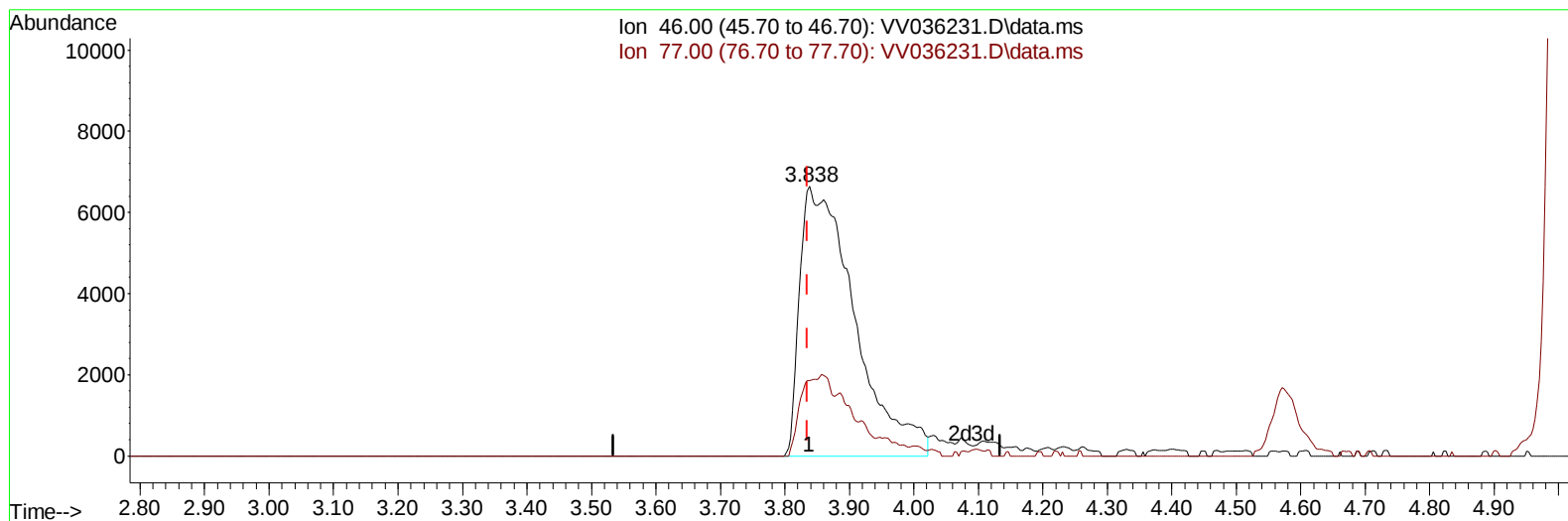
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TIC: VV036231.D\data.ms

(21) 2-Butanone-d5 (S)

3.838min (+ 0.003) 20.95 ug/L m

response 39159

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	11.90	16.63#
0.00	0.00	0.00
0.00	0.00	0.00

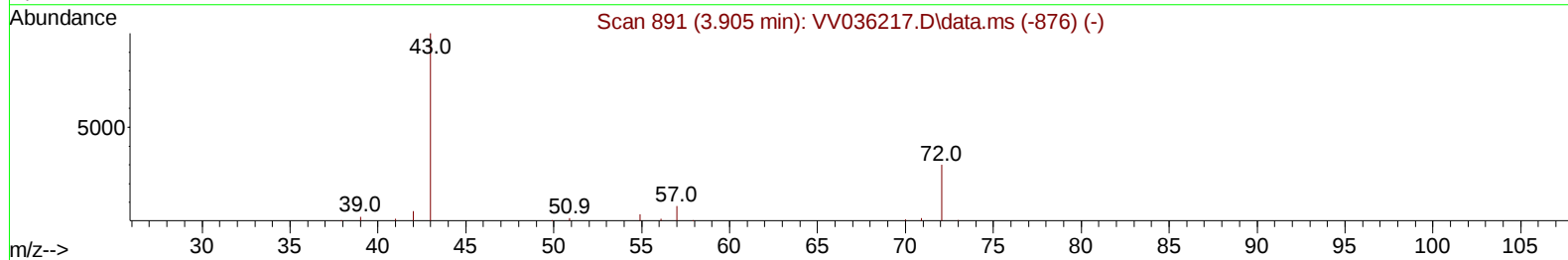
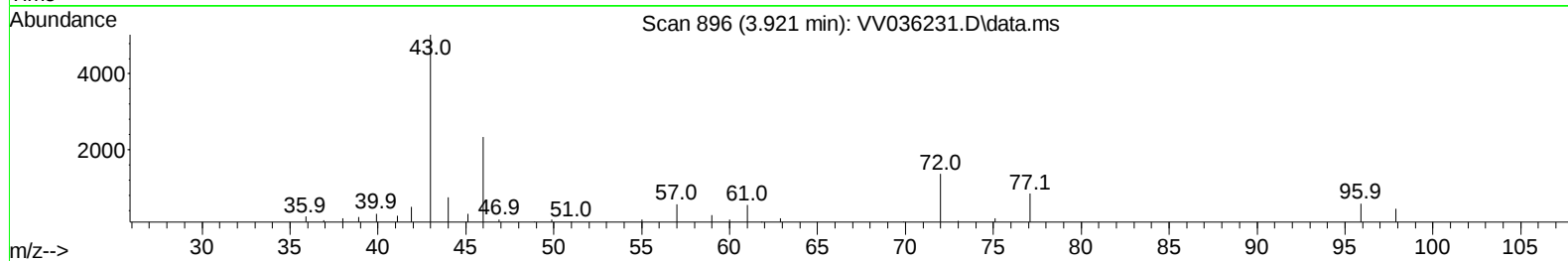
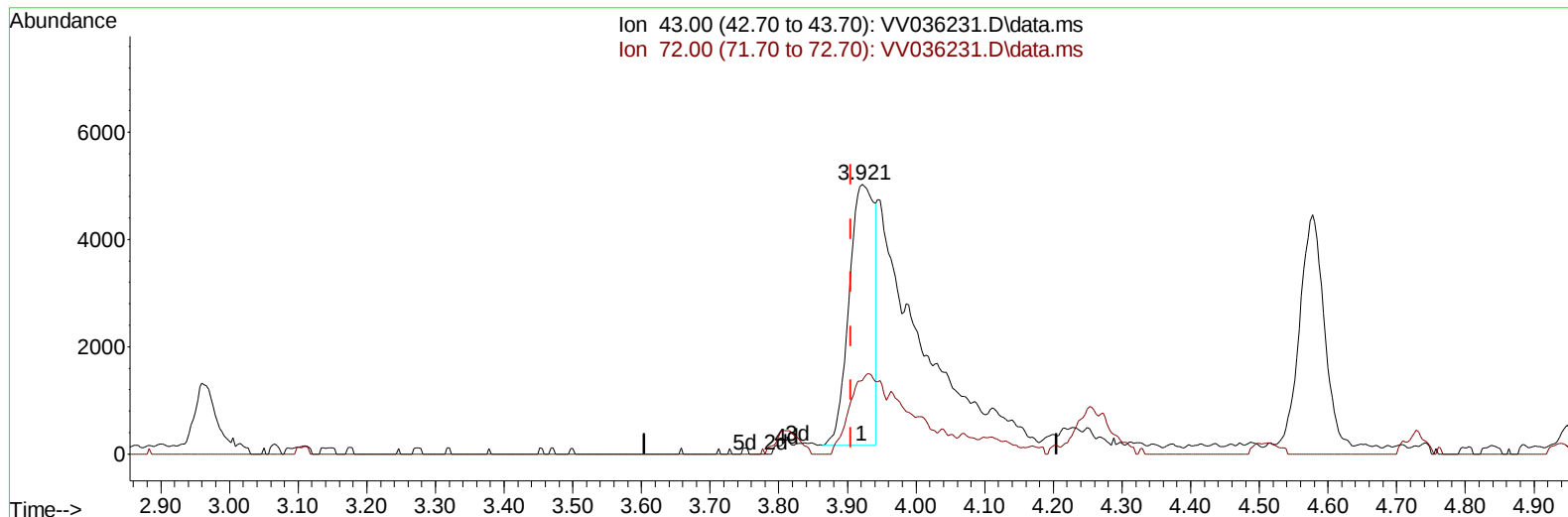
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ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0TA5MSD

Manual IntegrationsAPPROVED

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Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



TIC: VV036231.D\data.ms

(22) 2-Butanone (T)

3.921min (+ 0.016) 4.97 ug/L

response 12266

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	16.30	14.83
0.00	0.00	0.00
0.00	0.00	0.00

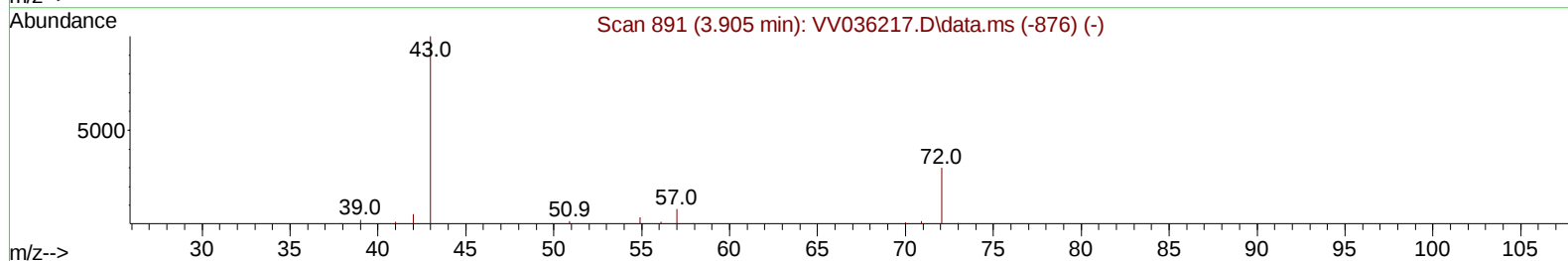
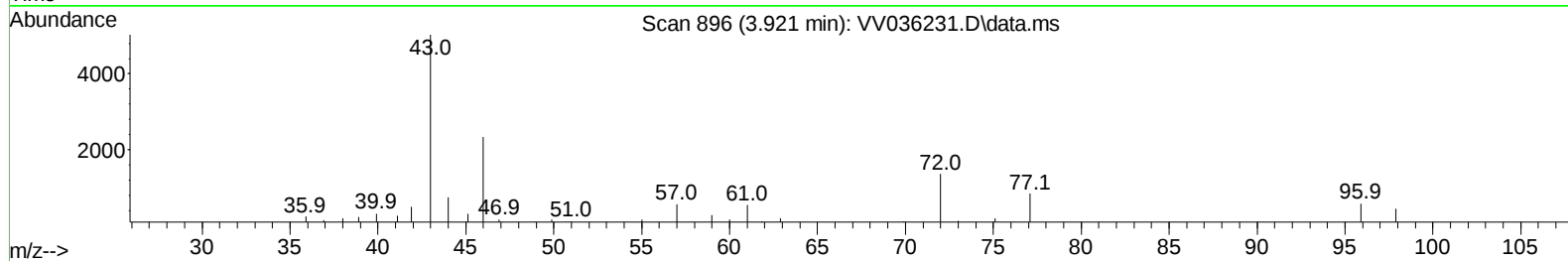
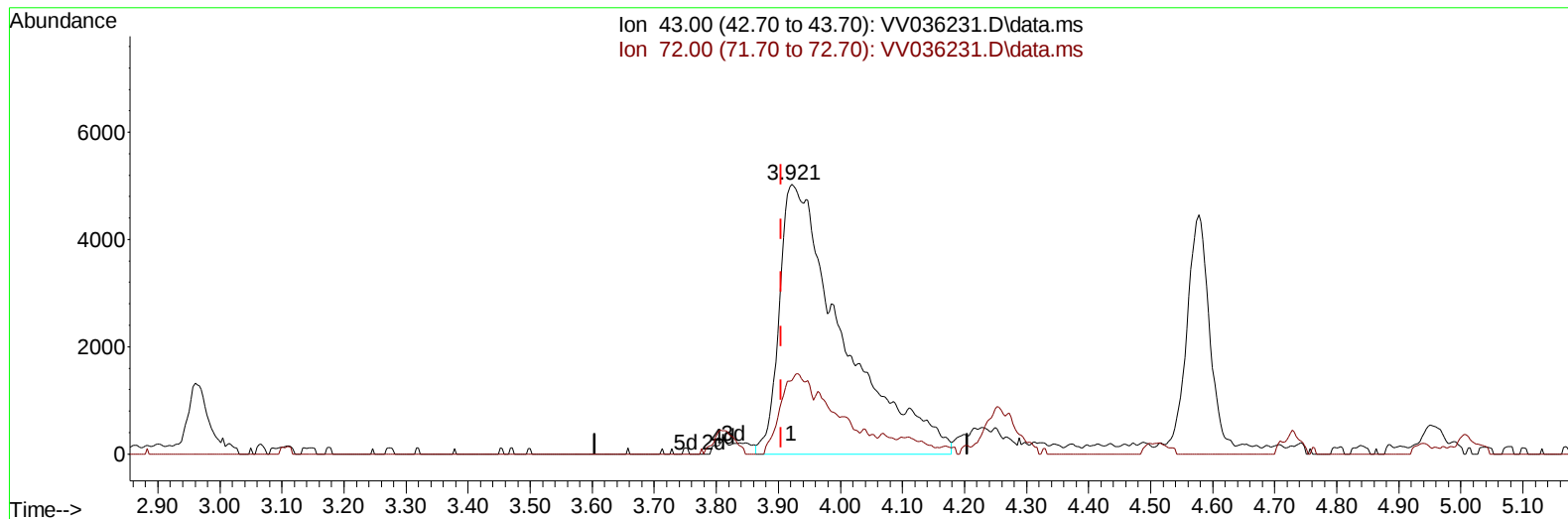
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062124\
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Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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Quant Title : VOC Analysis
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Reviewed By :Mahesh Dadoda 06/26/2024
Supervised By :Semsettin Yesilyurt 06/26/2024



TIC: VV036231.D\data.ms

(22) 2-Butanone (T)

3.921min (+ 0.016) 14.41 ug/L m

response 35596

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	16.30	5.11#
0.00	0.00	0.00
0.00	0.00	0.00

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 Sample : P2987-18MSD
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 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0TA5MSD

Manual IntegrationsAPPROVED

Quant Time: Jun 22 03:03:59 2024
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	443034	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	446815	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	230659	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	123297	15.137	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	60.560%	
7) Chloroethane-d5	1.526	69	105640	16.266	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	65.080%	
11) 1,1-Dichloroethene-d2	2.050	65	51094	14.091	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	56.360%	
21) 2-Butanone-d5	3.838	46	39159m	20.954	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	41.900%	
24) Chloroform-d	4.243	84	226103	16.053	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	64.200%	
26) 1,2-Dichloroethane-d4	4.941	65	115743	15.673	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	62.680%#	
32) Benzene-d6	4.957	84	444780	16.746	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	67.000%	
36) 1,2-Dichloropropane-d6	5.986	67	132537	15.846	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	63.400%#	
41) Toluene-d8	7.240	98	396661	16.926	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	67.720%	
43) trans-1,3-Dichloroprop...	7.555	79	47983	13.992	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	55.960%	
47) 2-Hexanone-d5	8.034	63	25497	22.500	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	45.000%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	95717	15.315	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	61.240%	
66) 1,2-Dichlorobenzene-d4	11.558	152	133130	15.739	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	62.960%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.102	85	81193	10.164	ug/L	99
3) Chloromethane	1.208	50	99958	10.903	ug/L	99
5) Vinyl chloride	1.275	62	112873	11.695	ug/L	100
6) Bromomethane	1.481	94	74086	12.374	ug/L	100
8) Chloroethane	1.542	64	76474	12.748	ug/L	100
9) Trichlorofluoromethane	1.706	101	150250	12.536	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	91603	12.042	ug/L	97
12) 1,1-Dichloroethene	2.060	96	86383	12.176	ug/L	86
13) Acetone	2.156	43	27737	9.528	ug/L #	53
14) Carbon disulfide	2.233	76	266455	10.815	ug/L	100
15) Methyl Acetate	2.388	43	32200	8.899	ug/L	98
16) Methylene chloride	2.442	84	129789	12.947	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	89922	11.932	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	206736	12.219	ug/L	99
19) 1,1-Dichloroethane	3.105	63	182132	12.690	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	119101	15.728	ug/L	98
22) 2-Butanone	3.921	43	35596m	14.411	ug/L	
23) Bromochloromethane	4.146	128	48591	12.792	ug/L	97

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Manual IntegrationsAPPROVED

Quant Time: Jun 22 03:03:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.272	83	193910	13.135	ug/L	98
27) 1,2-Dichloroethane	5.040	62	119605	12.977	ug/L	99
29) Cyclohexane	4.577	56	110908	10.425	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	151590	12.410	ug/L	98
31) Carbon tetrachloride	4.728	117	126999	11.851	ug/L	100
33) Benzene	5.005	78	390698	13.370	ug/L	100
34) Trichloroethene	5.828	95	107286	11.979	ug/L	99
35) Methylcyclohexane	6.047	83	136092	10.988	ug/L	98
37) 1,2-Dichloropropane	6.092	63	102815	13.399	ug/L	99
38) Bromodichloromethane	6.429	83	129871	12.787	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	127039	11.069	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	78750	18.890	ug/L	97
42) Toluene	7.314	91	416592	13.951	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	113689	11.468	ug/L	95
45) 1,1,2-Trichloroethane	7.767	97	78388	12.346	ug/L	99
46) Tetrachloroethene	7.902	164	82937	12.661	ug/L	99
48) 2-Hexanone	8.082	43	50272	15.425	ug/L	97
49) Dibromochloromethane	8.175	129	86077	12.387	ug/L	100
50) 1,2-Dibromoethane	8.281	107	73843	12.121	ug/L	99
51) Chlorobenzene	8.812	112	272043	13.371	ug/L	98
52) Ethylbenzene	8.944	91	467231	14.625	ug/L	100
53) m,p-Xylene	9.072	106	168974	14.076	ug/L	100
54) o-Xylene	9.477	106	164829	14.560	ug/L	97
55) Styrene	9.494	104	281545	14.103	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	74388	13.085	ug/L	99
59) Bromoform	9.664	173	52145	11.988	ug/L	99
60) Isopropylbenzene	9.866	105	401709	13.575	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	61511	11.276	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	281715	13.129	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	333383	14.420	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	202129	13.007	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	211678	13.196	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	187864	12.846	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	12851	10.535	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	129035	11.100	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	100106	10.937	ug/L	99
71) Naphthalene	13.435	128	407308	27.268	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	104275	12.484	ug/L	99

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

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