

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072624\
 Data File : VW036721.D
 Acq On : 25 Jul 2024 20:37
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 26 05:03:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 00:49:57 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Romaben
 Patel

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	357239	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	355261	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	209095	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	78099	19.961	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.840%
7) Chloroethane-d5	1.526	69	78294	22.155	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.640%
11) 1,1-Dichloroethene-d2	2.050	65	42056	20.328	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.320%
21) 2-Butanone-d5	3.847	46	47866m	52.420	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.840%
24) Chloroform-d	4.243	84	215096	22.766	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.080%
26) 1,2-Dichloroethane-d4	4.941	65	107374	23.036	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.160%
32) Benzene-d6	4.953	84	376688	22.372	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.480%
36) 1,2-Dichloropropane-d6	5.985	67	108832	22.685	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.720%
41) Toluene-d8	7.239	98	365784	22.765	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.040%
43) trans-1,3-Dichloroprop...	7.551	79	46428	21.769	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.080%
47) 2-Hexanone-d5	8.034	63	33345	52.226	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.460%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	104838	25.072	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.280%
66) 1,2-Dichlorobenzene-d4	11.558	152	156940	21.501	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	150745	24.882	ug/L	99
3) Chloromethane	1.211	50	118878	25.504	ug/L	98
5) Vinyl chloride	1.278	62	151468	26.278	ug/L	99
6) Bromomethane	1.484	94	118450	25.702	ug/L	98
8) Chloroethane	1.545	64	96416	25.811	ug/L	99
9) Trichlorofluoromethane	1.706	101	257526	25.731	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	159816	25.664	ug/L	100
12) 1,1-Dichloroethene	2.063	96	142753	25.902	ug/L	98
13) Acetone	2.162	43	52925m	35.680	ug/L	
14) Carbon disulfide	2.230	76	390764	25.547	ug/L	99
15) Methyl Acetate	2.388	43	44001	25.427	ug/L	95
16) Methylene chloride	2.439	84	185792	27.952	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	140105	25.173	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	295722	25.333	ug/L	100
19) 1,1-Dichloroethane	3.105	63	223165	25.557	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	144212	24.810	ug/L	99
22) 2-Butanone	3.918	43	45425	36.077	ug/L	72
23) Bromochloromethane	4.143	128	78261	25.335	ug/L	98
25) Chloroform	4.269	83	265874	25.224	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	162516	25.695	ug/L	96
29) Cyclohexane	4.574	56	158910	25.089	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	236742	25.758	ug/L	99
31) Carbon tetrachloride	4.728	117	220962	25.732	ug/L	100
33) Benzene	5.005	78	519093	25.729	ug/L	100
34) Trichloroethene	5.828	95	170028	25.752	ug/L	98
35) Methylcyclohexane	6.047	83	221398	25.184	ug/L	99
37) 1,2-Dichloropropane	6.088	63	119344	25.703	ug/L	100
38) Bromodichloromethane	6.429	83	184450	24.365	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	195026	25.581	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	117010	53.968	ug/L	99
42) Toluene	7.310	91	589906	26.398	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	171068	24.986	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	115759	25.563	ug/L	98
46) Tetrachloroethene	7.902	164	146638	22.382	ug/L	99
48) 2-Hexanone	8.079	43	80800	47.531	ug/L	98
49) Dibromochloromethane	8.172	129	145462	25.496	ug/L	99
50) 1,2-Dibromoethane	8.281	107	119115	26.182	ug/L	99
51) Chlorobenzene	8.809	112	411345	25.424	ug/L	100
52) Ethylbenzene	8.944	91	635847	25.868	ug/L	100
53) m,p-Xylene	9.069	106	253510	26.416	ug/L	98
54) o-Xylene	9.474	106	239950	26.023	ug/L	100
55) Styrene	9.493	104	430066	27.506	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	108040	26.332	ug/L	100
59) Bromoform	9.661	173	99030	25.148	ug/L	99
60) Isopropylbenzene	9.863	105	656663	25.663	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	94302	25.583	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	528648	26.487	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	527678	26.118	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	356808	24.945	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	363553	24.680	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	329134	24.747	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	22323	25.716	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	270759	23.996	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	221243	24.138	ug/L	99
71) Naphthalene	13.435	128	347519	25.488	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	211874	25.619	ug/L	98

07/26/2024
 Supervised By :Mahesh
 Dadoda

07/26/2024

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

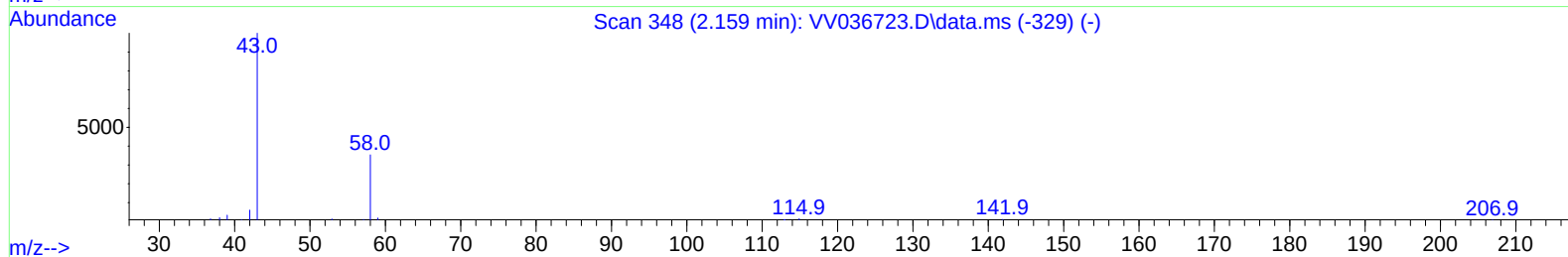
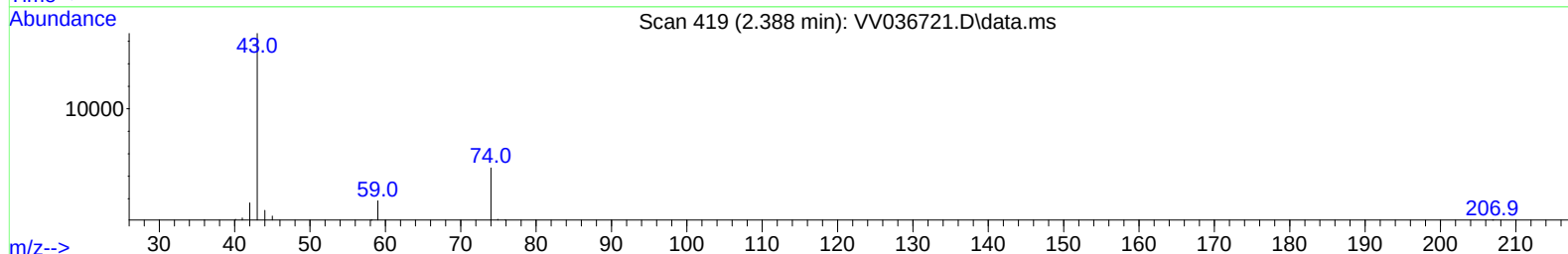
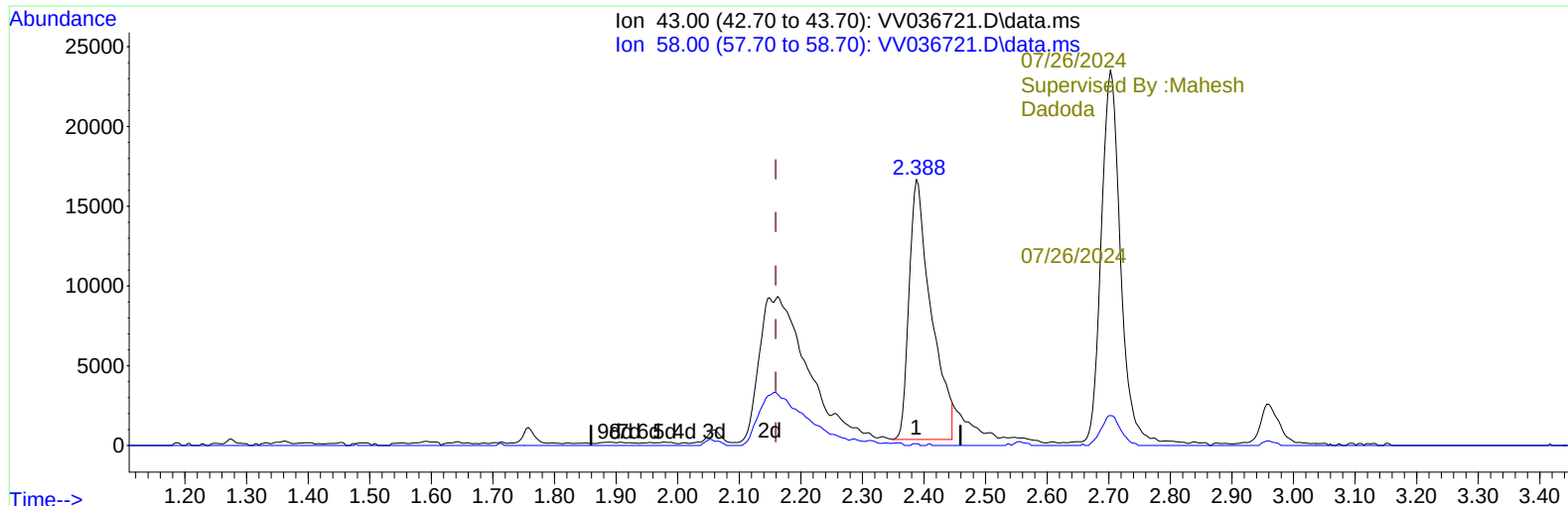
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
Data File : VV036721.D
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Misc : 5.00g/10mL/MSVOA_V/SOIL/A
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Quant Time: Aug 07 03:23:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 04:14:21 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Romaben
Patel



TIC: VV036721.D\data.ms

(13) Acetone (T)

2.388min (+ 0.228) 27.31 ug/L

response 40516

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	11.50	0.10
0.00	0.00	0.00
0.00	0.00	0.00

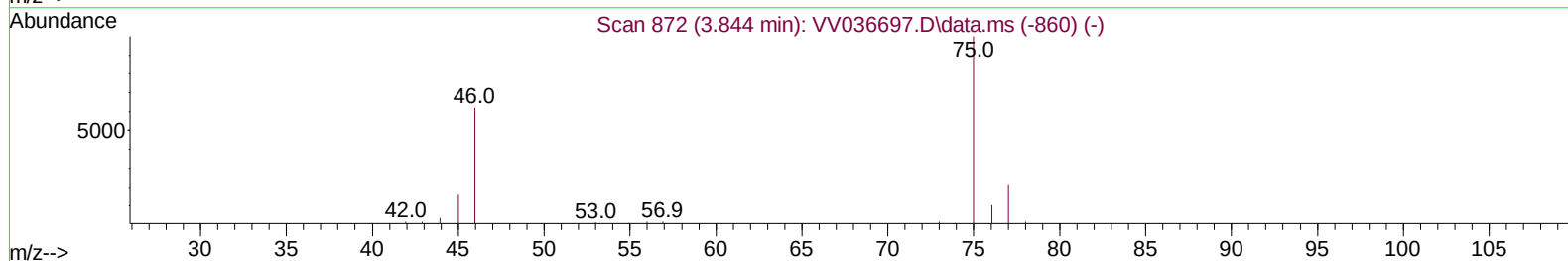
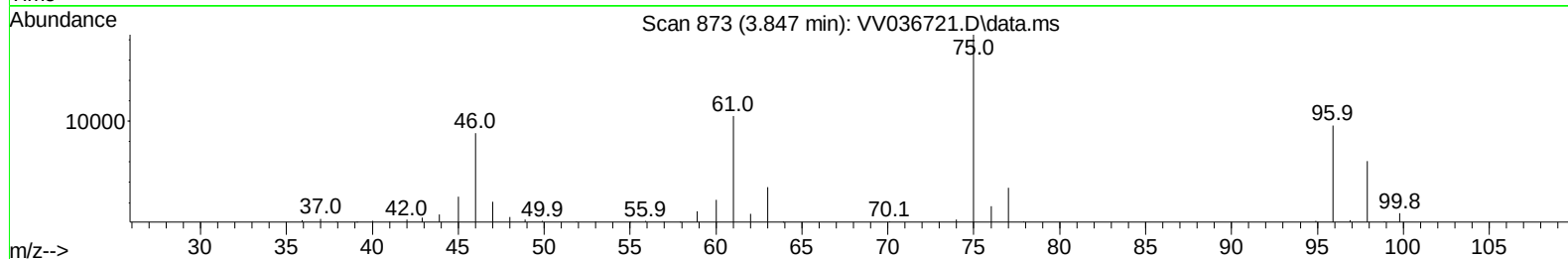
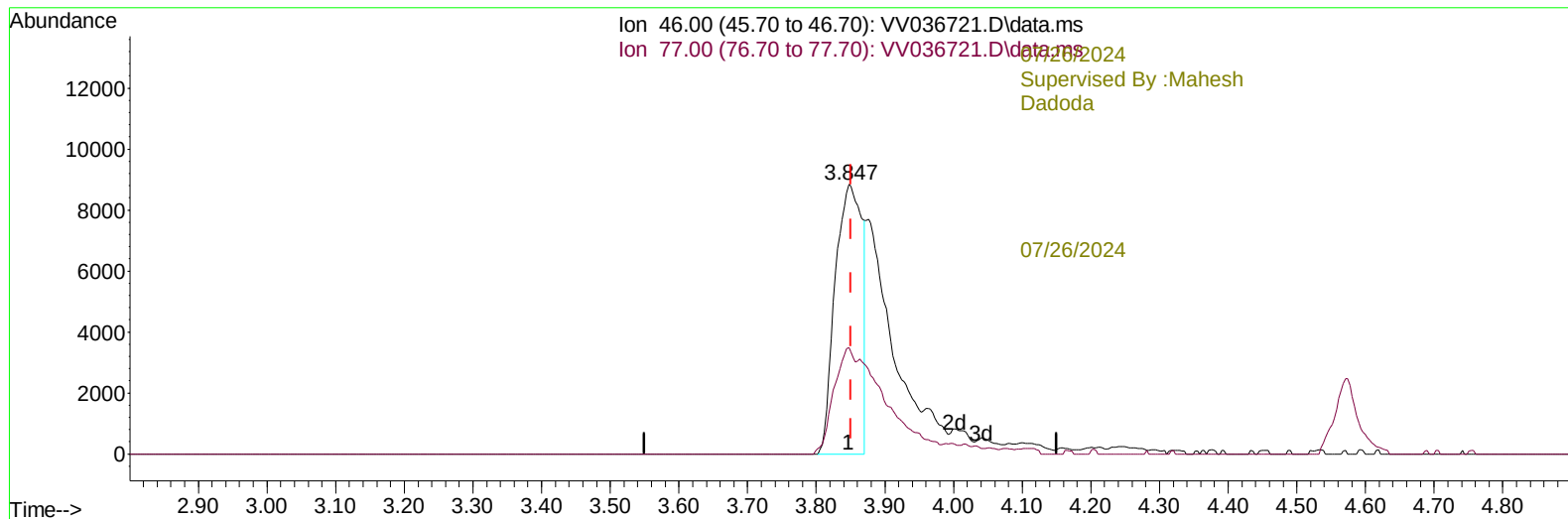
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072624\
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 MSVOA_V
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Manual Integrations
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TIC: VV036721.D\data.ms

(21) 2-Butanone-d5 (S)

3.847min (-0.003) 26.22 ug/L

response 23942

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	8.90	30.39#
0.00	0.00	0.00
0.00	0.00	0.00

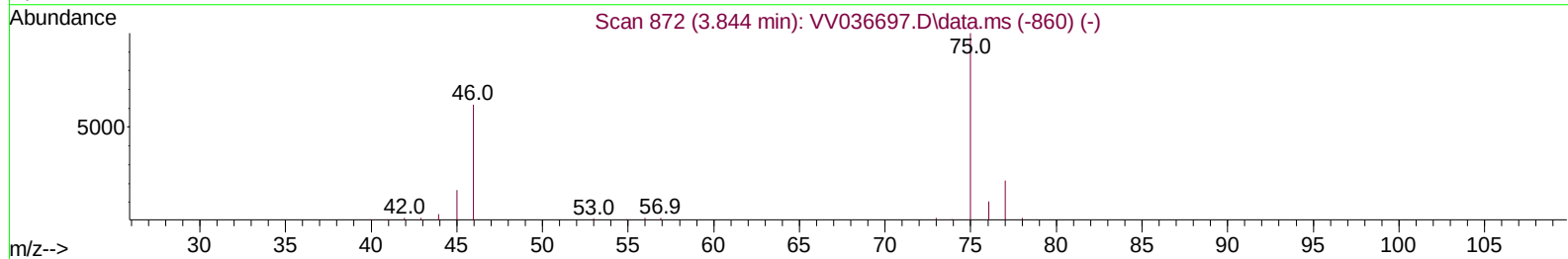
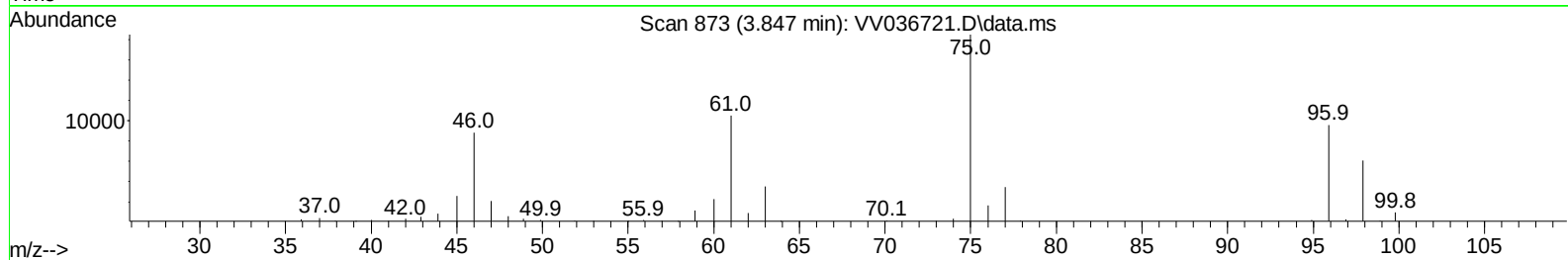
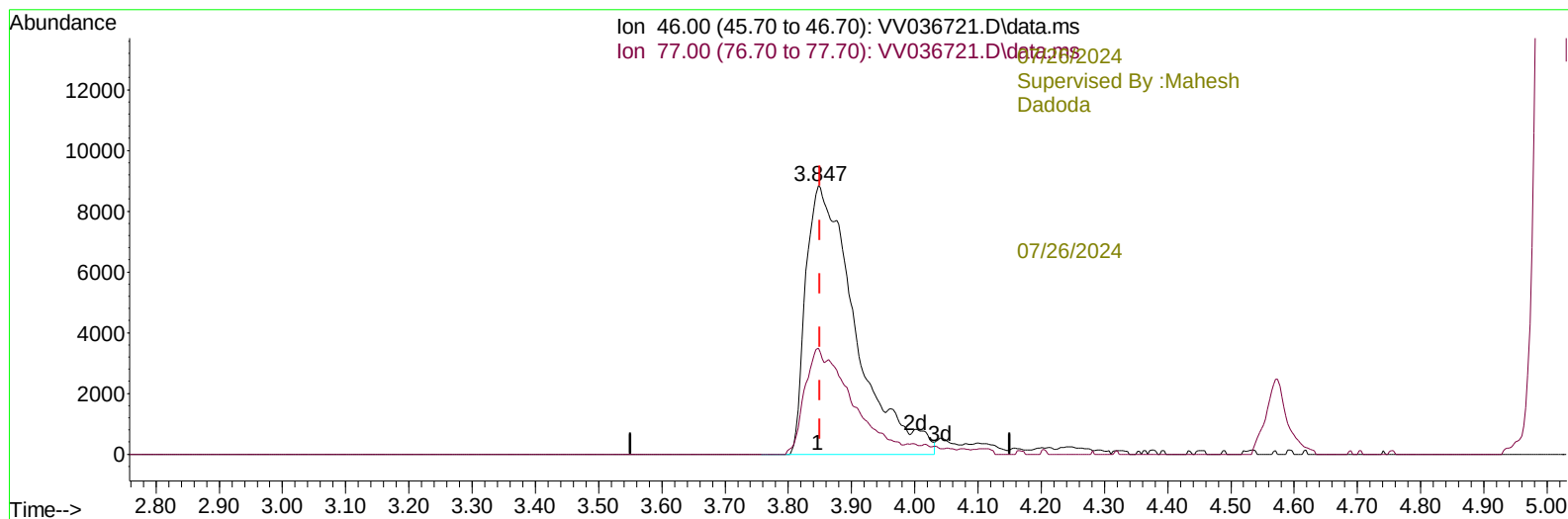
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Instrument :
MSVOA_V
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Manual Integrations
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TIC: VV036721.D\data.ms

(21) 2-Butanone-d5 (S)

3.847min (-0.003) 52.42 ug/L m

response 47866

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	8.90	15.20#
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)	
-----07/26/2024							Supervised By :Mahesh
Internal Standards							Padoda
1) 1,4-Difluorobenzene	5.532	114	357239	25.000	ug/L	0.00	
28) Chlorobenzene-d5	8.783	117	355261	25.000	ug/L	0.00	
58) 1,4-Dichlorobenzene-d4	11.181	152	209095	25.000	ug/L	0.00	
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.272	65	78099	19.961	ug/L	0.00	07/26/2024
Spiked Amount 25.000	Range 30	- 150	Recovery	=	79.840%		
7) Chloroethane-d5	1.526	69	78294	22.155	ug/L	0.00	
Spiked Amount 25.000	Range 30	- 150	Recovery	=	88.640%		
11) 1,1-Dichloroethene-d2	2.050	65	42056	20.328	ug/L	0.00	
Spiked Amount 25.000	Range 45	- 110	Recovery	=	81.320%		
21) 2-Butanone-d5	3.847	46	47866m	52.420	ug/L	0.00	
Spiked Amount 50.000	Range 20	- 135	Recovery	=	104.840%		
24) Chloroform-d	4.243	84	215096	22.766	ug/L	0.00	
Spiked Amount 25.000	Range 40	- 150	Recovery	=	91.080%		
26) 1,2-Dichloroethane-d4	4.941	65	107374	23.036	ug/L	0.00	
Spiked Amount 25.000	Range 70	- 130	Recovery	=	92.160%		
32) Benzene-d6	4.953	84	376688	22.372	ug/L	0.00	
Spiked Amount 25.000	Range 20	- 135	Recovery	=	89.480%		
36) 1,2-Dichloropropane-d6	5.985	67	108832	22.685	ug/L	0.00	
Spiked Amount 25.000	Range 70	- 120	Recovery	=	90.720%		
41) Toluene-d8	7.239	98	365784	22.765	ug/L	0.00	
Spiked Amount 25.000	Range 30	- 130	Recovery	=	91.040%		
43) trans-1,3-Dichloroprop...	7.551	79	46428	21.769	ug/L	0.00	
Spiked Amount 25.000	Range 30	- 135	Recovery	=	87.080%		
47) 2-Hexanone-d5	8.034	63	33345	52.226	ug/L	0.00	
Spiked Amount 50.000	Range 20	- 135	Recovery	=	104.460%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	104838	25.072	ug/L	0.00	
Spiked Amount 25.000	Range 45	- 120	Recovery	=	100.280%		
66) 1,2-Dichlorobenzene-d4	11.558	152	156940	21.501	ug/L	0.00	
Spiked Amount 25.000	Range 75	- 120	Recovery	=	86.000%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.101	85	150745	24.882	ug/L	99	
3) Chloromethane	1.211	50	118878	25.504	ug/L	98	
5) Vinyl chloride	1.278	62	151468	26.278	ug/L	99	
6) Bromomethane	1.484	94	118450	25.702	ug/L	98	
8) Chloroethane	1.545	64	96416	25.811	ug/L	99	
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10) 1,1,2-Trichloro-1,2,2-...	2.060	101	159816	25.664	ug/L	100	
12) 1,1-Dichloroethene	2.063	96	142753	25.902	ug/L	98	
13) Acetone	2.162	43	52925m	35.680	ug/L		
14) Carbon disulfide	2.230	76	390764	25.547	ug/L	99	
15) Methyl Acetate	2.388	43	44001	25.427	ug/L	95	
16) Methylene chloride	2.439	84	185792	27.952	ug/L	97	
17) trans-1,2-Dichloroethene	2.687	96	140105	25.173	ug/L	99	
18) Methyl tert-butyl Ether	2.703	73	295722	25.333	ug/L	100	
19) 1,1-Dichloroethane	3.105	63	223165	25.557	ug/L	100	
20) cis-1,2-Dichloroethene	3.809	96	144212	24.810	ug/L	99	
22) 2-Butanone	3.918	43	45425	36.077	ug/L	72	
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25) Chloroform	4.269	83	265874	25.224	ug/L	99	-07/26/2024
27) 1,2-Dichloroethane	5.040	62	162516	25.695	ug/L	99	Supervised By :Mahesh
29) Cyclohexane	4.574	56	158910	25.089	ug/L	99	Badoda
30) 1,1,1-Trichloroethane	4.506	97	236742	25.758	ug/L	99	
31) Carbon tetrachloride	4.728	117	220962	25.732	ug/L	100	
33) Benzene	5.005	78	519093	25.729	ug/L	100	
34) Trichloroethene	5.828	95	170028	25.752	ug/L	99	-07/26/2024
35) Methylcyclohexane	6.047	83	221398	25.184	ug/L	99	
37) 1,2-Dichloropropane	6.088	63	119344	25.703	ug/L	100	
38) Bromodichloromethane	6.429	83	184450	24.365	ug/L	98	
39) cis-1,3-Dichloropropene	6.950	75	195026	25.581	ug/L	99	
40) 4-Methyl-2-pentanone	7.159	43	117010	53.968	ug/L	99	
42) Toluene	7.310	91	589906	26.398	ug/L	100	
44) trans-1,3-Dichloropropene	7.580	75	171068	24.986	ug/L	100	
45) 1,1,2-Trichloroethane	7.767	97	115759	25.563	ug/L	98	
46) Tetrachloroethene	7.902	164	146638	22.382	ug/L	99	
48) 2-Hexanone	8.079	43	80800	47.531	ug/L	98	
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52) Ethylbenzene	8.944	91	635847	25.868	ug/L	100	
53) m,p-Xylene	9.069	106	253510	26.416	ug/L	98	
54) o-Xylene	9.474	106	239950	26.023	ug/L	100	
55) Styrene	9.493	104	430066	27.506	ug/L	99	
57) 1,1,2,2-Tetrachloroethane	10.175	83	108040	26.332	ug/L	100	
59) Bromoform	9.661	173	99030	25.148	ug/L	99	
60) Isopropylbenzene	9.863	105	656663	25.663	ug/L	100	
61) 1,2,3-Trichloropropane	10.207	75	94302	25.583	ug/L	100	
62) 1,3,5-Trimethylbenzene	10.474	105	528648	26.487	ug/L	99	
63) 1,2,4-Trimethylbenzene	10.847	105	527678	26.118	ug/L	100	
64) 1,3-Dichlorobenzene	11.114	146	356808	24.945	ug/L	99	
65) 1,4-Dichlorobenzene	11.204	146	363553	24.680	ug/L	99	
67) 1,2-Dichlorobenzene	11.577	146	329134	24.747	ug/L	99	
68) 1,2-Dibromo-3-chloropr...	12.361	75	22323	25.716	ug/L	98	
69) 1,3,5-Trichlorobenzene	12.580	180	270759	23.996	ug/L	99	
70) 1,2,4-trichlorobenzene	13.194	180	221243	24.138	ug/L	99	
71) Naphthalene	13.435	128	347519	25.488	ug/L	99	
72) 1,2,3-Trichlorobenzene	13.677	180	211874	25.619	ug/L	98	

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

