

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072724\
 Data File : VV036723.D
 Acq On : 26 Jul 2024 11:18
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025341

Quant Time: Jul 27 04:09:44 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 :Mahesh Dadoda 08/10/2024
 Supervised By :Semsettin Yesilyurt 08/10/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	400550	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	392298	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	222456	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	99200	22.612	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	90.440%		
7) Chloroethane-d5	1.526	69	97916	24.712	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.840%		
11) 1,1-Dichloroethene-d2	2.050	65	52664	22.704	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	90.800%		
21) 2-Butanone-d5	3.851	46	43896m	42.874	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	85.740%		
24) Chloroform-d	4.240	84	268270	25.324	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	101.280%		
26) 1,2-Dichloroethane-d4	4.934	65	124556	23.833	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	95.320%		
32) Benzene-d6	4.950	84	466616	25.097	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	100.400%		
36) 1,2-Dichloropropane-d6	5.982	67	132393	24.991	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	99.960%		
41) Toluene-d8	7.236	98	441794	24.899	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	99.600%		
43) trans-1,3-Dichloroprop...	7.551	79	52672	22.365	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	89.480%		
47) 2-Hexanone-d5	8.034	63	28393	40.272	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	80.540%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	105542	22.858	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.440%		
66) 1,2-Dichlorobenzene-d4	11.558	152	179983	23.177	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	176076	25.921	ug/L	99
3) Chloromethane	1.211	50	141476	27.071	ug/L	100
5) Vinyl chloride	1.278	62	175771	27.197	ug/L	99
6) Bromomethane	1.484	94	132862	25.712	ug/L	99
8) Chloroethane	1.545	64	110190	26.309	ug/L	100
9) Trichlorofluoromethane	1.706	101	292355	26.053	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	180524	25.855	ug/L	99
12) 1,1-Dichloroethene	2.060	96	162737	26.336	ug/L	93
13) Acetone	2.159	43	68938m	41.450	ug/L	
14) Carbon disulfide	2.230	76	447236	26.077	ug/L	99
15) Methyl Acetate	2.388	43	38143	19.658	ug/L	98
16) Methylene chloride	2.439	84	179196	24.044	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	157466	25.233	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	276582	21.131	ug/L	99
19) 1,1-Dichloroethane	3.101	63	252723	25.812	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	155547	23.867	ug/L	99
22) 2-Butanone	3.918	43	56533m	40.044	ug/L	
23) Bromochloromethane	4.140	128	81260	23.461	ug/L	98
25) Chloroform	4.265	83	292078	24.714	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	164320	23.171	ug/L	98
29) Cyclohexane	4.574	56	181683	25.976	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	268364	26.442	ug/L	100
31) Carbon tetrachloride	4.725	117	248981	26.257	ug/L	99
33) Benzene	5.002	78	580709	26.066	ug/L	100
34) Trichloroethene	5.825	95	179457	24.614	ug/L	98
35) Methylcyclohexane	6.043	83	252824	26.043	ug/L	99
37) 1,2-Dichloropropane	6.085	63	132846	25.910	ug/L	100
38) Bromodichloromethane	6.426	83	200013	23.926	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	198643	23.596	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	95254	39.786	ug/L	97
42) Toluene	7.310	91	655022	26.545	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	175793	23.252	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	113870	22.772	ug/L	98
46) Tetrachloroethene	7.899	164	161225	22.285	ug/L	99
48) 2-Hexanone	8.079	43	74794	39.844	ug/L	99
49) Dibromochloromethane	8.172	129	143655	22.802	ug/L	98
50) 1,2-Dibromoethane	8.278	107	112233	22.340	ug/L	100
51) Chlorobenzene	8.809	112	441602	24.717	ug/L	100
52) Ethylbenzene	8.940	91	699684	25.778	ug/L	100
53) m,p-Xylene	9.069	106	283809	26.781	ug/L	97
54) o-Xylene	9.474	106	260513	25.586	ug/L	100
55) Styrene	9.490	104	464932	26.929	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	97343	21.485	ug/L	100
59) Bromoform	9.661	173	90882	21.692	ug/L	98
60) Isopropylbenzene	9.863	105	726976	26.705	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	82682	21.084	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	572221	26.948	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	572625	26.640	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	374907	24.636	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	384249	24.519	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	336922	23.811	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	18132	19.634	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	277973	23.156	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	211422	21.681	ug/L	100
71) Naphthalene	13.435	128	275524	18.994	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	194558	22.113	ug/L	99

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

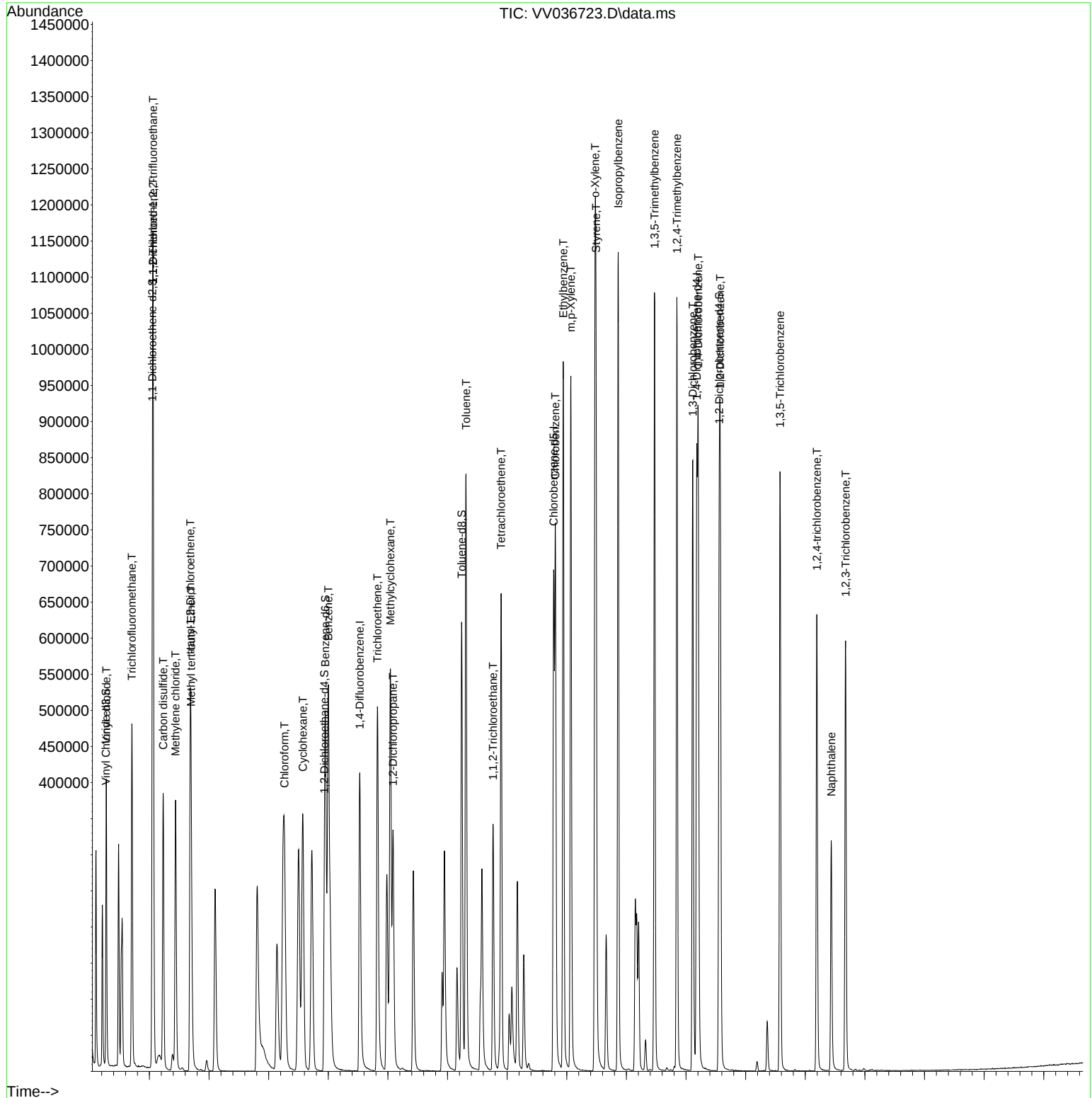
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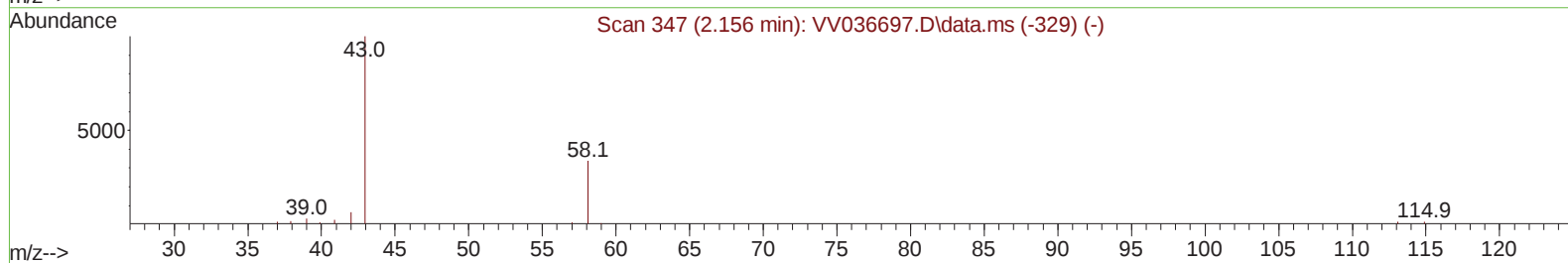
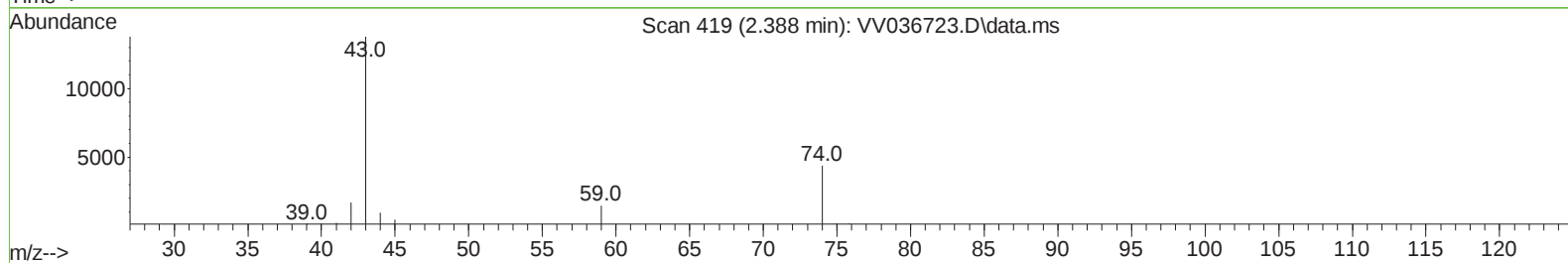
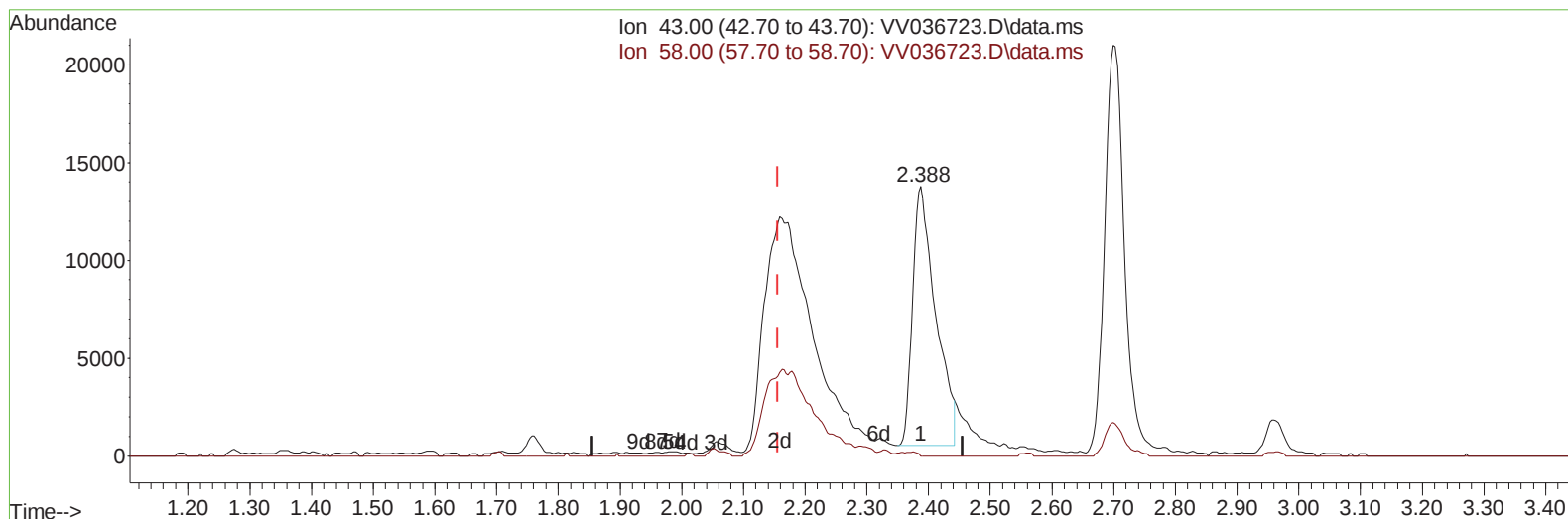
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TIC: VV036723.D\data.ms

(13) Acetone (T)

2.388min (+ 0.232) 20.65 ug/L

response 34350

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	11.50	0.06
0.00	0.00	0.00
0.00	0.00	0.00

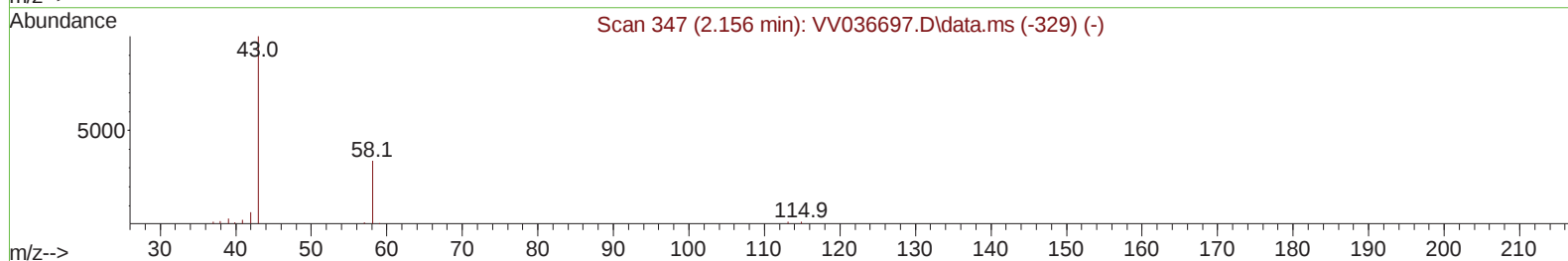
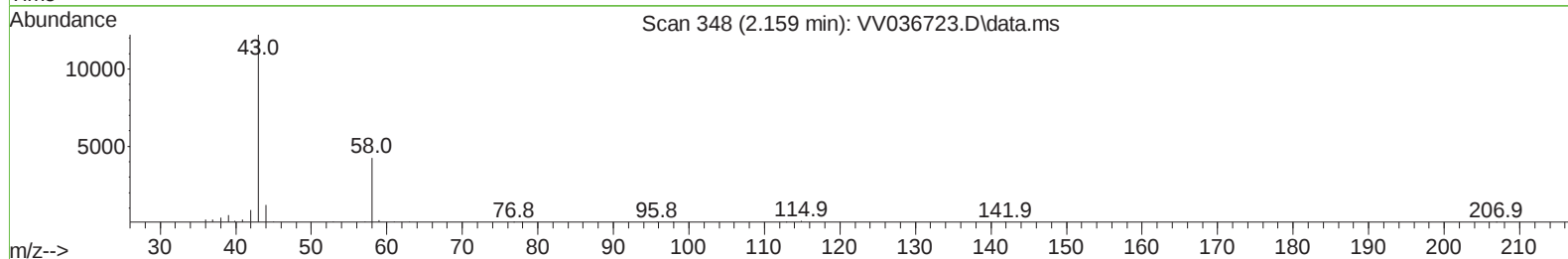
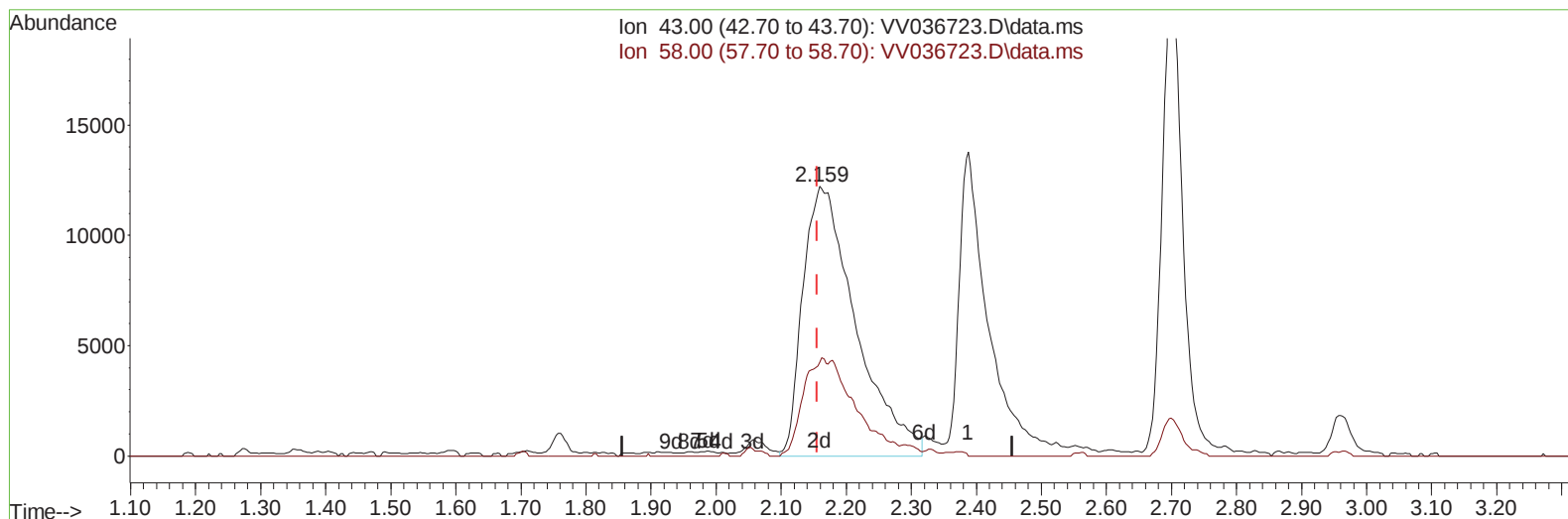
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(13) Acetone (T)

2.159min (+ 0.003) 41.45 ug/L m

response 68938

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	11.50	0.03
0.00	0.00	0.00
0.00	0.00	0.00

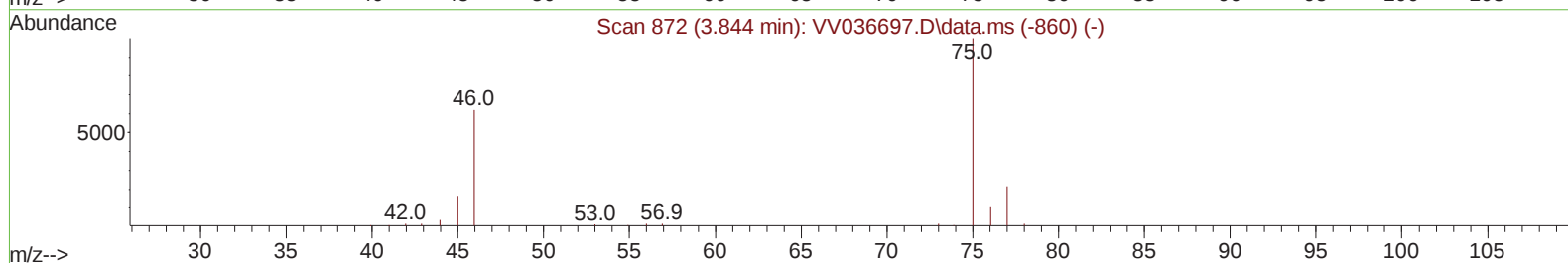
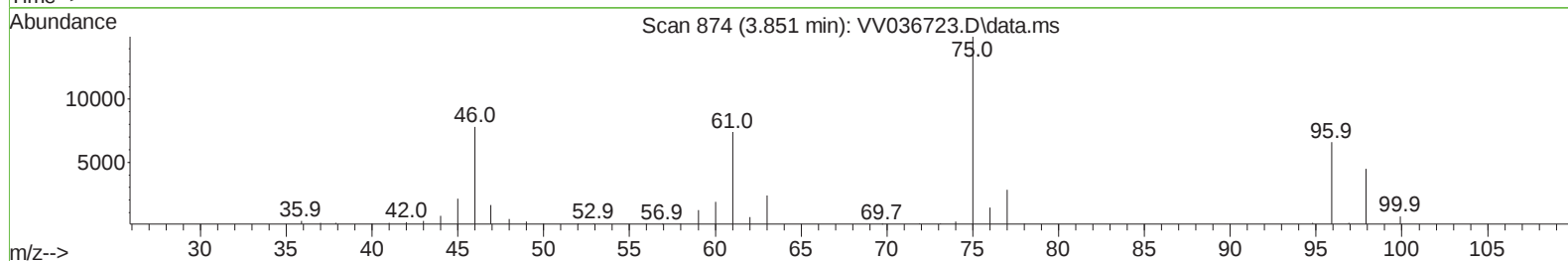
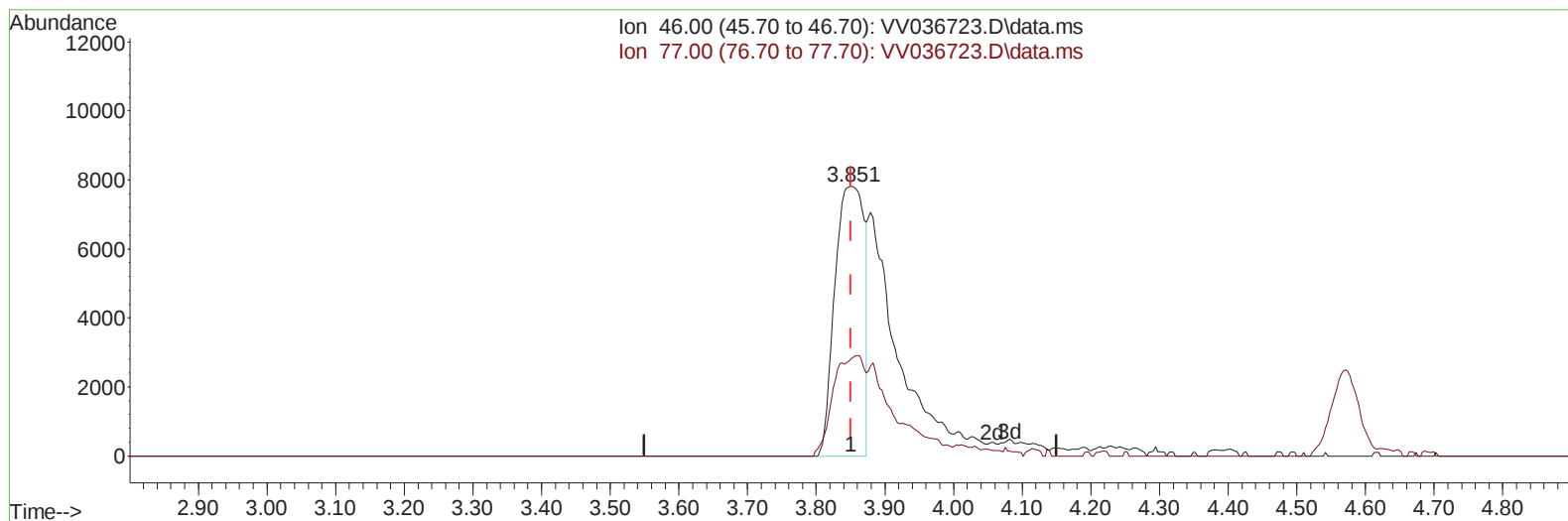
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(21) 2-Butanone-d5 (S)

3.851min (+ 0.000) 22.66 ug/L

response 23203

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	8.90	16.68#
0.00	0.00	0.00
0.00	0.00	0.00

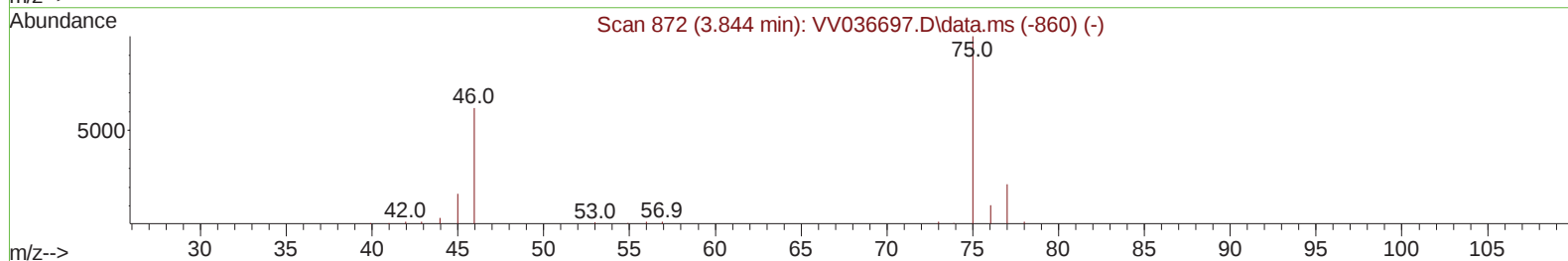
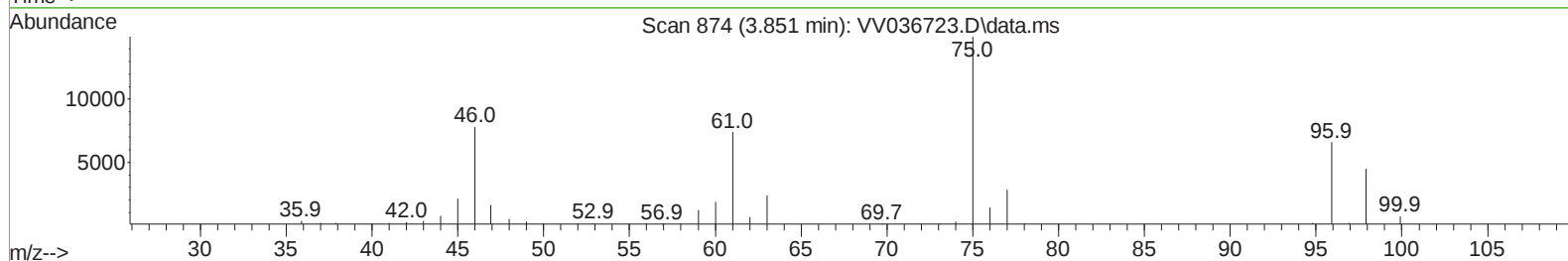
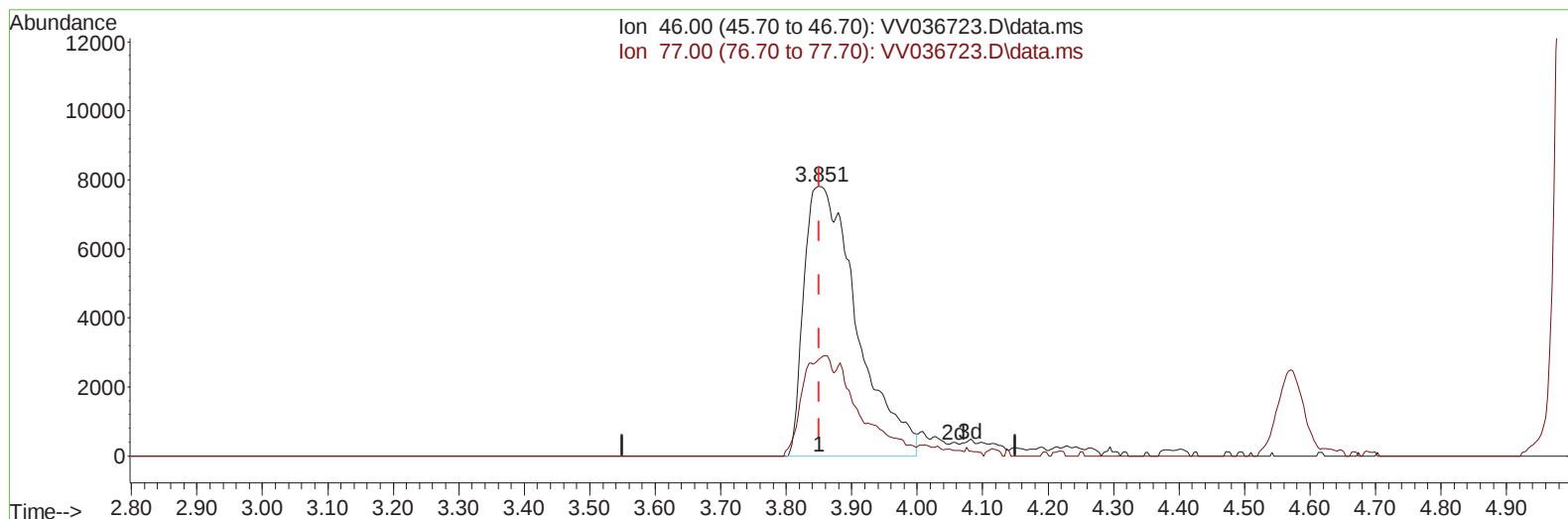
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(21) 2-Butanone-d5 (S)

3.851min (+ 0.000) 42.87 ug/L m

response 43896

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	8.90	8.82
0.00	0.00	0.00
0.00	0.00	0.00

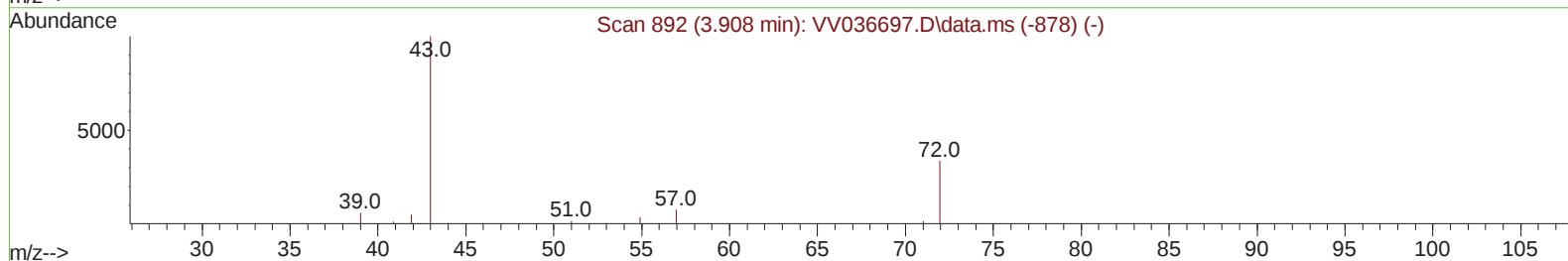
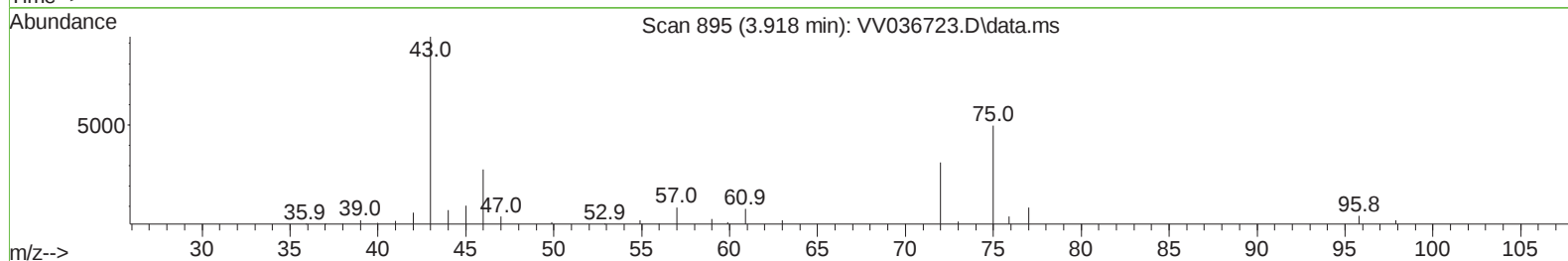
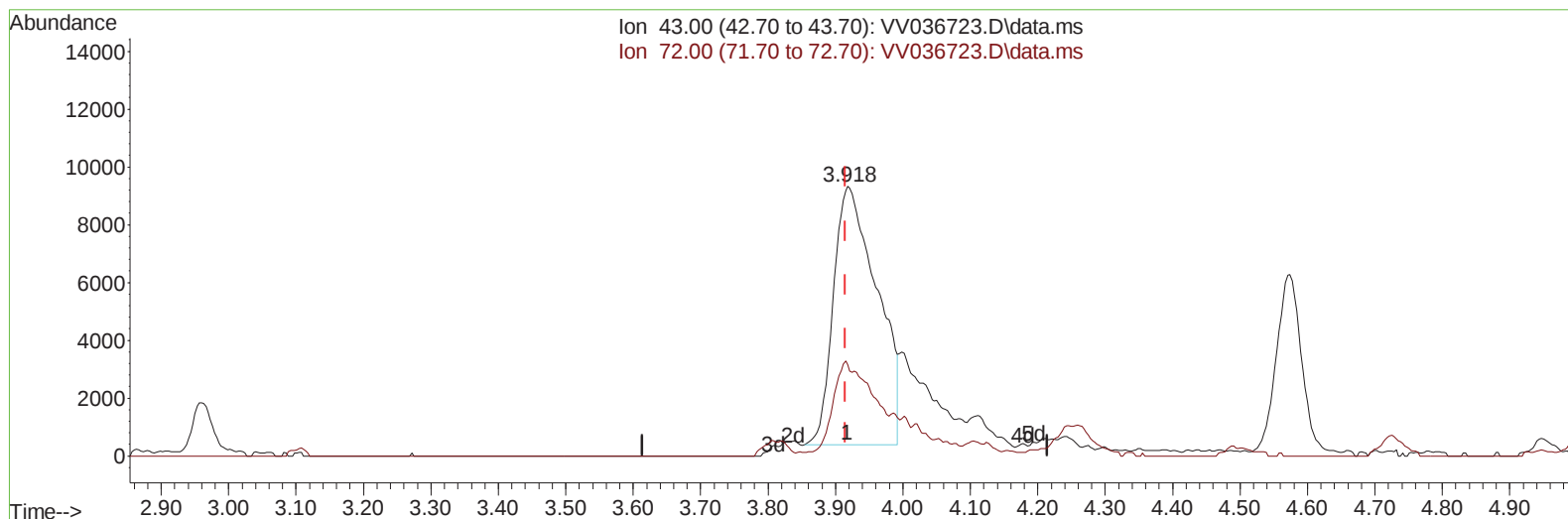
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(22) 2-Butanone (T)

3.918min (+ 0.003) 28.45 ug/L

response 40166

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	30.30	14.45#
0.00	0.00	0.00
0.00	0.00	0.00

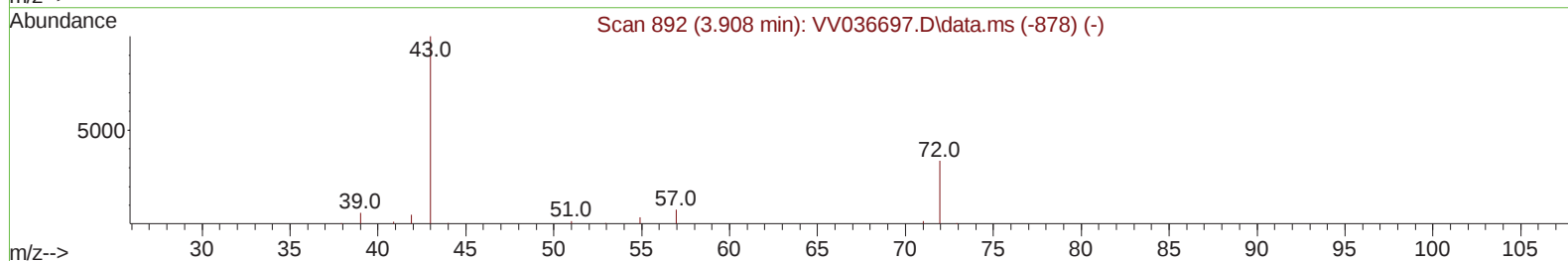
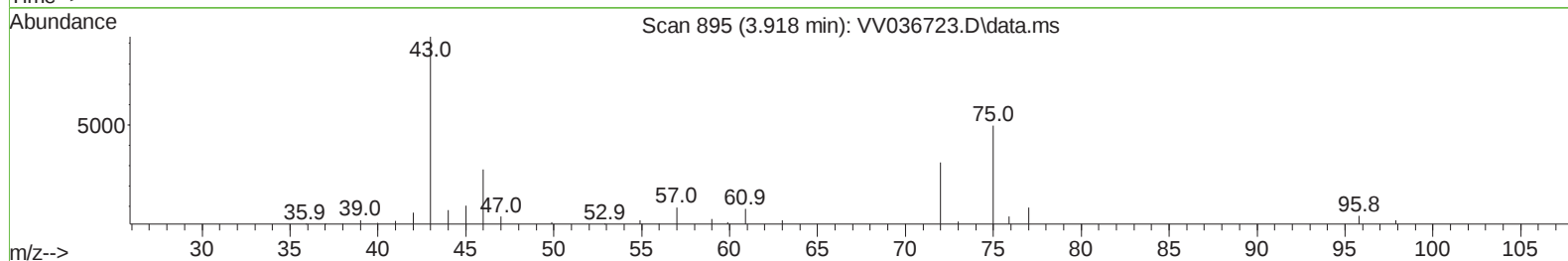
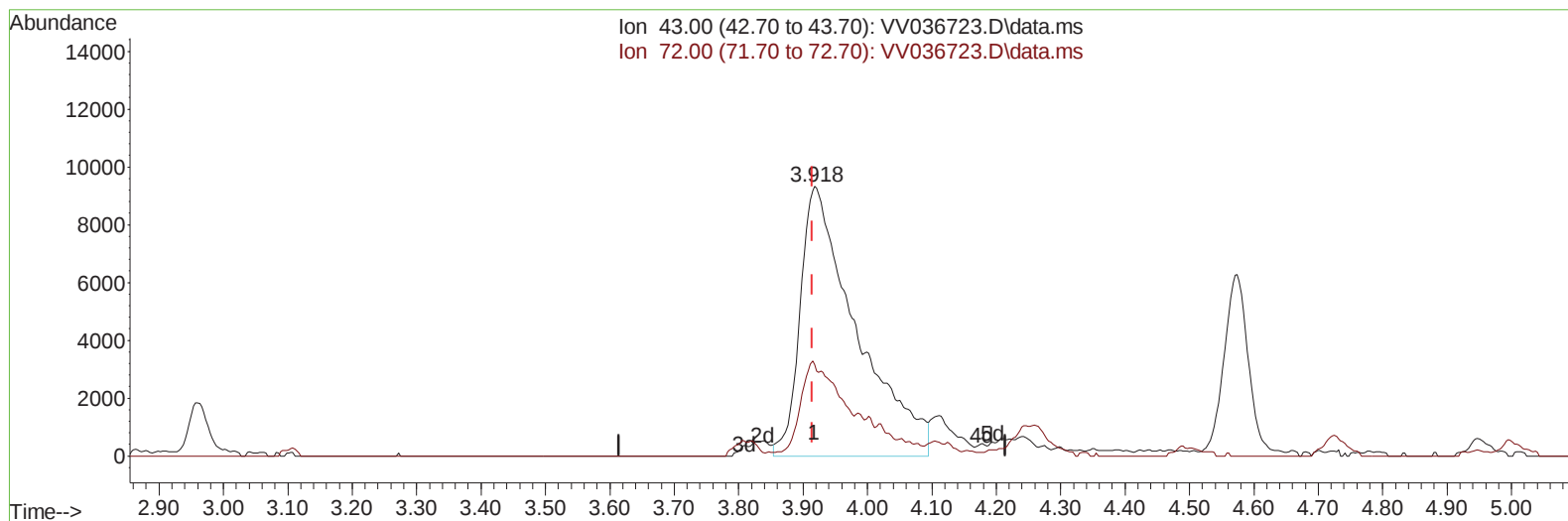
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(22) 2-Butanone (T)

3.918min (+ 0.003) 40.04 ug/L m

response 56533

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	30.30	10.26#
0.00	0.00	0.00
0.00	0.00	0.00

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4) Vinyl Chloride-d3	1.272	65	99200	22.612	ug/L	0.00
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Spiked Amount 25.000	Range 40	- 150	Recovery	=	101.280%	
26) 1,2-Dichloroethane-d4	4.934	65	124556	23.833	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	95.320%	
32) Benzene-d6	4.950	84	466616	25.097	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	100.400%	
36) 1,2-Dichloropropane-d6	5.982	67	132393	24.991	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	99.960%	
41) Toluene-d8	7.236	98	441794	24.899	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	99.600%	
43) trans-1,3-Dichloroprop...	7.551	79	52672	22.365	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	89.480%	
47) 2-Hexanone-d5	8.034	63	28393	40.272	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	80.540%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	105542	22.858	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	91.440%	
66) 1,2-Dichlorobenzene-d4	11.558	152	179983	23.177	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	92.720%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	176076	25.921	ug/L	99
3) Chloromethane	1.211	50	141476	27.071	ug/L	100
5) Vinyl chloride	1.278	62	175771	27.197	ug/L	99
6) Bromomethane	1.484	94	132862	25.712	ug/L	99
8) Chloroethane	1.545	64	110190	26.309	ug/L	100
9) Trichlorofluoromethane	1.706	101	292355	26.053	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	180524	25.855	ug/L	99
12) 1,1-Dichloroethene	2.060	96	162737	26.336	ug/L	93
13) Acetone	2.159	43	68938m	41.450	ug/L	
14) Carbon disulfide	2.230	76	447236	26.077	ug/L	99
15) Methyl Acetate	2.388	43	38143	19.658	ug/L	98
16) Methylene chloride	2.439	84	179196	24.044	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	157466	25.233	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	276582	21.131	ug/L	99
19) 1,1-Dichloroethane	3.101	63	252723	25.812	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	155547	23.867	ug/L	99
22) 2-Butanone	3.918	43	56533m	40.044	ug/L	
23) Bromochloromethane	4.140	128	81260	23.461	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072624\
 Data File : VW036723.D
 Acq On : 26 Jul 2024 11:18
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025341

Quant Time: Jul 27 04:09:44 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 :Mahesh Dadoda 08/10/2024
 Supervised By :Semsettin Yesilyurt 08/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.265	83	292078	24.714	ug/L	99
27) 1,2-Dichloroethane	5.037	62	164320	23.171	ug/L	98
29) Cyclohexane	4.574	56	181683	25.976	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	268364	26.442	ug/L	100
31) Carbon tetrachloride	4.725	117	248981	26.257	ug/L	99
33) Benzene	5.002	78	580709	26.066	ug/L	100
34) Trichloroethene	5.825	95	179457	24.614	ug/L	98
35) Methylcyclohexane	6.043	83	252824	26.043	ug/L	99
37) 1,2-Dichloropropane	6.085	63	132846	25.910	ug/L	100
38) Bromodichloromethane	6.426	83	200013	23.926	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	198643	23.596	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	95254	39.786	ug/L	97
42) Toluene	7.310	91	655022	26.545	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	175793	23.252	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	113870	22.772	ug/L	98
46) Tetrachloroethene	7.899	164	161225	22.285	ug/L	99
48) 2-Hexanone	8.079	43	74794	39.844	ug/L	99
49) Dibromochloromethane	8.172	129	143655	22.802	ug/L	98
50) 1,2-Dibromoethane	8.278	107	112233	22.340	ug/L	100
51) Chlorobenzene	8.809	112	441602	24.717	ug/L	100
52) Ethylbenzene	8.940	91	699684	25.778	ug/L	100
53) m,p-Xylene	9.069	106	283809	26.781	ug/L	97
54) o-Xylene	9.474	106	260513	25.586	ug/L	100
55) Styrene	9.490	104	464932	26.929	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	97343	21.485	ug/L	100
59) Bromoform	9.661	173	90882	21.692	ug/L	98
60) Isopropylbenzene	9.863	105	726976	26.705	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	82682	21.084	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	572221	26.948	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	572625	26.640	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	374907	24.636	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	384249	24.519	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	336922	23.811	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	18132	19.634	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	277973	23.156	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	211422	21.681	ug/L	100
71) Naphthalene	13.435	128	275524	18.994	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	194558	22.113	ug/L	99

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

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 VSTD025341

Manual Integrations APPROVED

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

Quant Time: Jul 27 04:09:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
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