

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091323\
 Data File : VW027093.D
 Acq On : 13 Sep 2023 15:33
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025500

Quant Time: Sep 14 05:45:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 09 02:59:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/14/2023
 Supervised By :Mahesh Dadoda 09/14/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	533677	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	522761	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	299685	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	156293	16.392	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.560%
7) Chloroethane-d5	2.893	69	147545	19.174	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.680%
11) 1,1-Dichloroethene-d2	4.027	65	71578	20.370	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.480%
21) 2-Butanone-d5	7.075	46	83312	45.349	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.700%
24) Chloroform-d	7.648	84	408937	25.751	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	8.301	65	201285	24.115	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.440%
32) Benzene-d6	8.270	84	840867	24.523	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.080%
36) 1,2-Dichloropropane-d6	9.270	67	248146	24.651	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.600%
41) Toluene-d8	10.319	98	752106	24.227	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.920%
43) trans-1,3-Dichloroprop...	10.575	79	90552	23.180	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.720%
47) 2-Hexanone-d5	10.922	63	49882	53.078	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.160%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	212801	27.241	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.960%
66) 1,2-Dichlorobenzene-d4	13.848	152	274492	26.483	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	132850m	21.640	ug/L	
3) Chloromethane	2.216	50	156269	16.876	ug/L	97
5) Vinyl chloride	2.375	62	200892	19.019	ug/L	94
6) Bromomethane	2.789	94	146524	21.018	ug/L	92
8) Chloroethane	2.930	64	131608	19.856	ug/L	99
9) Trichlorofluoromethane	3.259	101	122718	20.025	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	196612	25.834	ug/L	97
12) 1,1-Dichloroethene	4.051	96	181853	24.117	ug/L	84
13) Acetone	4.119	43	57637	35.831	ug/L	86
14) Carbon disulfide	4.393	76	505406	20.898	ug/L	100
15) Methyl Acetate	4.661	43	78503	23.472	ug/L #	88
16) Methylene chloride	4.917	84	274567	26.556	ug/L	92
17) trans-1,2-Dichloroethene	5.423	96	208342	25.245	ug/L	93
18) Methyl tert-butyl Ether	5.423	73	315601	27.463	ug/L	98
19) 1,1-Dichloroethane	6.216	63	401038	25.779	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	242650	26.718	ug/L	96
22) 2-Butanone	7.167	43	106132	41.005	ug/L	94
23) Bromochloromethane	7.508	128	111436	28.274	ug/L	88
25) Chloroform	7.673	83	418300	27.415	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	249238	25.845	ug/L #	95
29) Cyclohexane	7.959	56	290579	21.320	ug/L	93
30) 1,1,1-Trichloroethane	7.874	97	309872	26.168	ug/L	97
31) Carbon tetrachloride	8.069	117	272126	25.784	ug/L	99
33) Benzene	8.325	78	912550	25.525	ug/L	100
34) Trichloroethene	9.093	95	234259	25.502	ug/L	90
35) Methylcyclohexane	9.331	83	362609	23.233	ug/L	96
37) 1,2-Dichloropropane	9.368	63	234717	25.727	ug/L	98
38) Bromodichloromethane	9.642	83	291374	27.119	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	348614	25.740	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	228308	48.472	ug/L	93
42) Toluene	10.386	91	992801	26.984	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	290912	26.451	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	179466	27.307	ug/L	98
46) Tetrachloroethene	10.855	164	179555	25.607	ug/L	95
48) 2-Hexanone	10.965	43	160335	49.948	ug/L	96
49) Dibromochloromethane	11.123	129	198770	29.360	ug/L	88
50) 1,2-Dibromoethane	11.233	107	167111	28.086	ug/L	91
51) Chlorobenzene	11.654	112	643427	27.151	ug/L	93
52) Ethylbenzene	11.727	91	1109076	27.192	ug/L	99
53) m,p-Xylene	11.837	106	434763	28.179	ug/L	98
54) o-Xylene	12.166	106	401947	27.842	ug/L	98
55) Styrene	12.178	104	753447	30.580	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.715	83	222212	28.580	ug/L	98
59) Bromoform	12.343	173	119082	27.941	ug/L	97
60) Isopropylbenzene	12.458	105	1133694	27.615	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	153172	26.718	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	923589	28.193	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	920578	28.743	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	520754	27.883	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	532520	28.053	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	488481	29.030	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	32665	25.126	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.629	180	353334	27.235	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	284049	26.891	ug/L	95
71) Naphthalene	15.360	128	538722	28.823	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	262226	27.385	ug/L	98

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

Manual Integrations

Reviewed By :Semsettin Yesilyurt 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

Abundance

TIC: VW027093.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

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1300000
1200000
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1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
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Dichlorodifluoromethane, T
Chloromethane, T
Vinyl Chloride, S
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Acetone, T
1,1-Dichloroethane, T
Carbon disulfide, T
Methyl acetate, T
Methylene chloride, T
Methyl 1,2-Dichloroethane, T
1,1-Dichloroethane, T
2-Butanone-d5, S
Bromochloromethane, T
1,1,1-Trichloroethane, T
Carbon tetrachloride, T
1,2-Dichloroethane, T
1,2-Dichloropropane, S
1,4-Difluorobenzene, I
Trichloroethene, T
1,2-Dichlorocyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-pentanone, I
Toluene-d8, S
Toluene, T
trans-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
2-Hexanone, T
Dibromochloromethane, T
1,2-Dibromodichloroethane, I
Chlorobenzene, T
Ethylbenzene, T
m,p-Xylene, T
Bromoforn, T
Isopropylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene, T
1,2-Dichlorobenzene, T
1,2,3-Trichlorobenzene, T
1,3,5-Trichlorobenzene
1,2-Dibromo-3-chloropropane, T
1,2,4-trichlorobenzene, T
Naphthalene
1,2,3-Trichlorobenzene, T

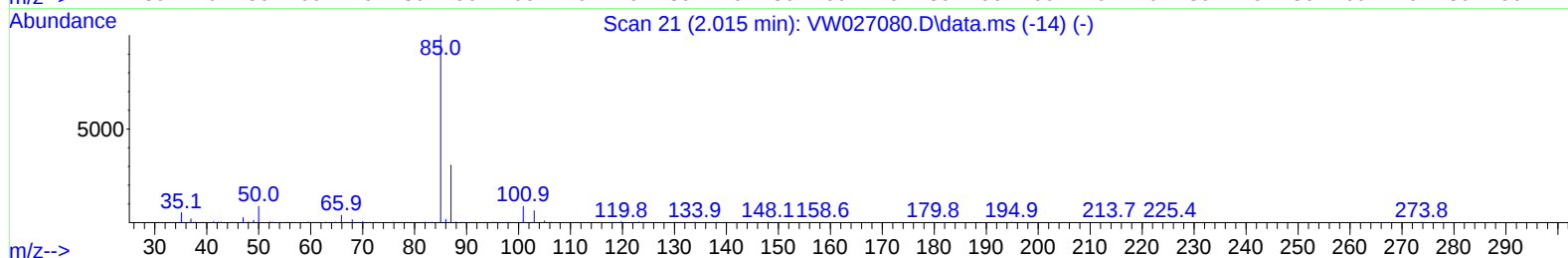
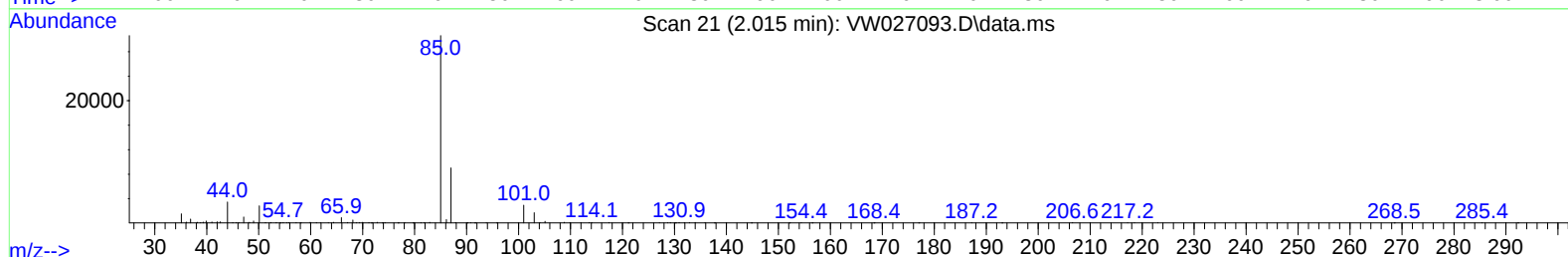
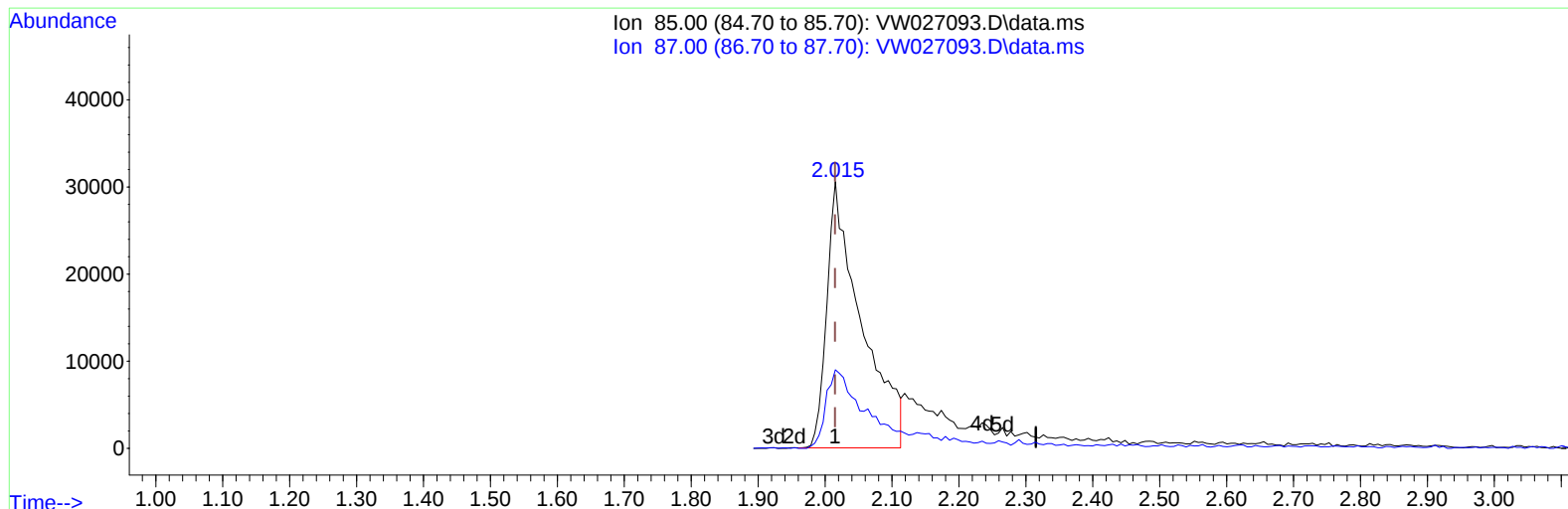
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TIC: VW027093.D\data.ms

(2) Dichlorodifluoromethane (T)

2.015min (-0.000) 17.78 ug/L

response 109155

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	23.90	24.02
0.00	0.00	0.00
0.00	0.00	0.00

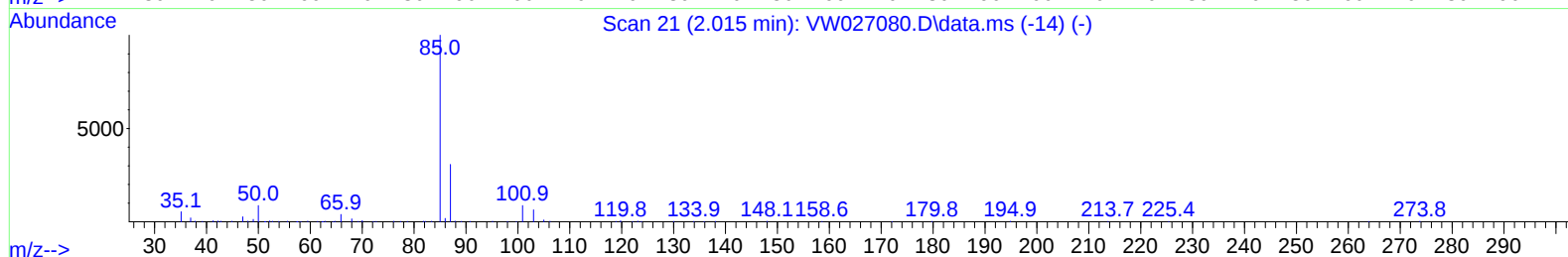
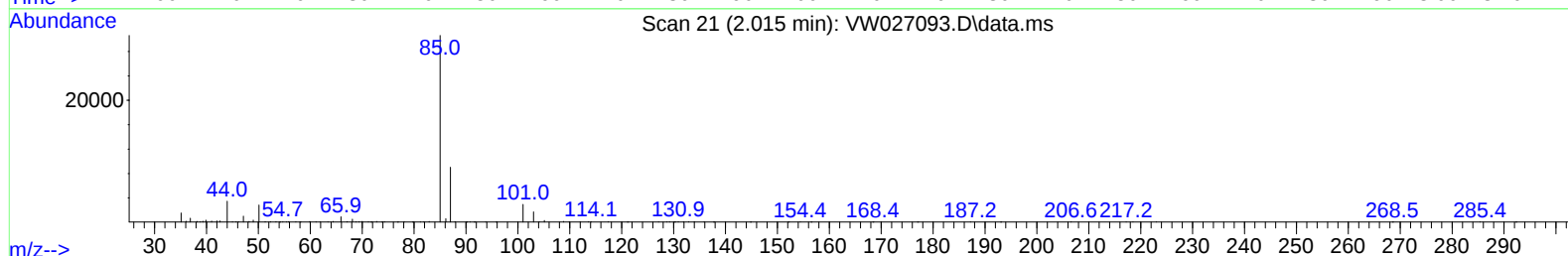
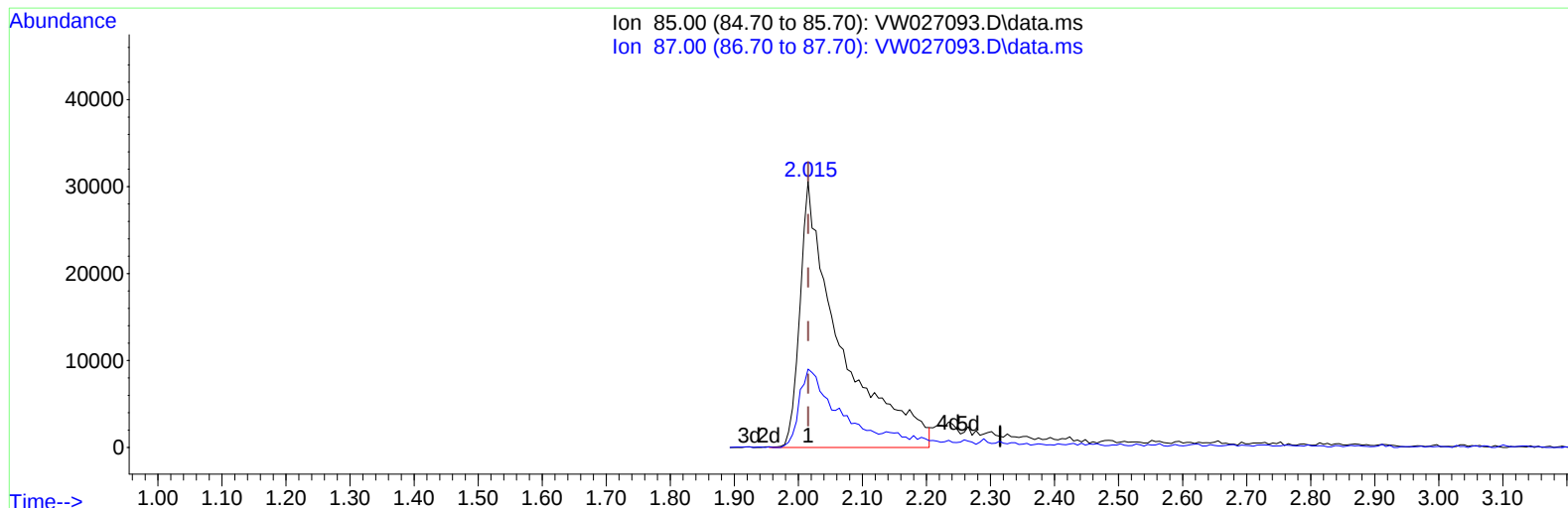
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TIC: VW027093.D\data.ms

(2) Dichlorodifluoromethane (T)

2.015min (-0.000) 21.64 ug/L m

response 132850

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	23.90	19.74
0.00	0.00	0.00
0.00	0.00	0.00

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62) 1,3,5-Trimethylbenzene	12.940	105	923589	28.193	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	920578	28.743	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	520754	27.883	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	532520	28.053	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	488481	29.030	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	32665	25.126	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.629	180	353334	27.235	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	284049	26.891	ug/L	95
71) Naphthalene	15.360	128	538722	28.823	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	262226	27.385	ug/L	98

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

