

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052324\
 Data File : VD079006.D
 Acq On : 23 May 2024 15:58
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025251

Quant Time: May 24 02:16:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 24 02:12:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	157906	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	155286	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	85848	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	113944	29.435	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.760%
7) Chloroethane-d5	2.799	69	117195	28.283	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.120%
11) 1,1-Dichloroethene-d2	3.916	65	19064	25.247	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.000%
21) 2-Butanone-d5	6.999	46	18606m	33.958	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.920%
24) Chloroform-d	7.569	84	106877	22.736	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.960%
26) 1,2-Dichloroethane-d4	8.228	65	49622	22.228	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.920%
32) Benzene-d6	8.198	84	218840	27.619	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.480%
36) 1,2-Dichloropropane-d6	9.210	67	60346	24.996	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.000%
41) Toluene-d8	10.269	98	204900	28.055	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.240%
43) trans-1,3-Dichloroprop...	10.528	79	25707	23.116	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.480%
47) 2-Hexanone-d5	10.875	63	17690	36.561	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.120%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	57000	20.755	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.000%
66) 1,2-Dichlorobenzene-d4	13.816	152	67460	23.152	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	54745	17.328	ug/L	100
3) Chloromethane	2.146	50	80187	20.685	ug/L	94
5) Vinyl chloride	2.281	62	134468	21.200	ug/L	99
6) Bromomethane	2.693	94	90741	20.005	ug/L	97
8) Chloroethane	2.834	64	106086	21.657	ug/L	98
9) Trichlorofluoromethane	3.169	101	99869	20.189	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	64748	20.648	ug/L #	84
12) 1,1-Dichloroethene	3.934	96	50867	18.631	ug/L	94
13) Acetone	4.016	43	20932	31.626	ug/L	99
14) Carbon disulfide	4.269	76	138896	17.555	ug/L	99
15) Methyl Acetate	4.563	43	22347	20.781	ug/L	97
16) Methylene chloride	4.793	84	76236	20.382	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	62175	22.365	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	131312	22.170	ug/L	99
19) 1,1-Dichloroethane	6.110	63	110527	23.670	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	71739	22.624	ug/L	97
22) 2-Butanone	7.075	43	28806	37.855	ug/L	94
23) Bromochloromethane	7.422	128	34651	21.869	ug/L #	86
25) Chloroform	7.593	83	129683	23.106	ug/L	93

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD025251

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

Quant Time: May 24 02:16:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 24 02:12:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	73582	22.636	ug/L	98
29) Cyclohexane	7.875	56	61700	20.674	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	104863	24.408	ug/L	97
31) Carbon tetrachloride	7.993	117	93793	23.710	ug/L	96
33) Benzene	8.251	78	267340	25.116	ug/L	100
34) Trichloroethene	9.028	95	66238	24.155	ug/L	97
35) Methylcyclohexane	9.275	83	87050	21.114	ug/L	99
37) 1,2-Dichloropropane	9.304	63	68464	25.380	ug/L	100
38) Bromodichloromethane	9.581	83	95219	24.962	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	102578	24.241	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	67706	49.690	ug/L	97
42) Toluene	10.334	91	303956	25.973	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	92393	24.697	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	61974	25.125	ug/L	92
46) Tetrachloroethene	10.804	164	53452	22.655	ug/L	98
48) 2-Hexanone	10.922	43	45452	43.031	ug/L	99
49) Dibromochloromethane	11.075	129	73052	24.360	ug/L	96
50) 1,2-Dibromoethane	11.175	107	56926	24.431	ug/L	92
51) Chlorobenzene	11.604	112	200995	24.311	ug/L	98
52) Ethylbenzene	11.681	91	323062	25.578	ug/L	96
53) m,p-Xylene	11.792	106	127507	25.235	ug/L	95
54) o-Xylene	12.122	106	126612	25.727	ug/L	97
55) Styrene	12.134	104	234836	27.003	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.669	83	76024	25.411	ug/L	99
59) Bromoform	12.298	173	46508	23.937	ug/L	97
60) Isopropylbenzene	12.422	105	331137	26.090	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	48518	24.656	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	253348	27.005	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	253134	26.554	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	153632	24.924	ug/L	95
65) 1,4-Dichlorobenzene	13.534	146	161487	24.300	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	145615	24.960	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	9717	23.705	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	97381	24.325	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	77223	22.786	ug/L	98
71) Naphthalene	15.328	128	159056	23.003	ug/L	97
72) 1,2,3-Trichlorobenzene	15.516	180	75350	23.787	ug/L	98

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

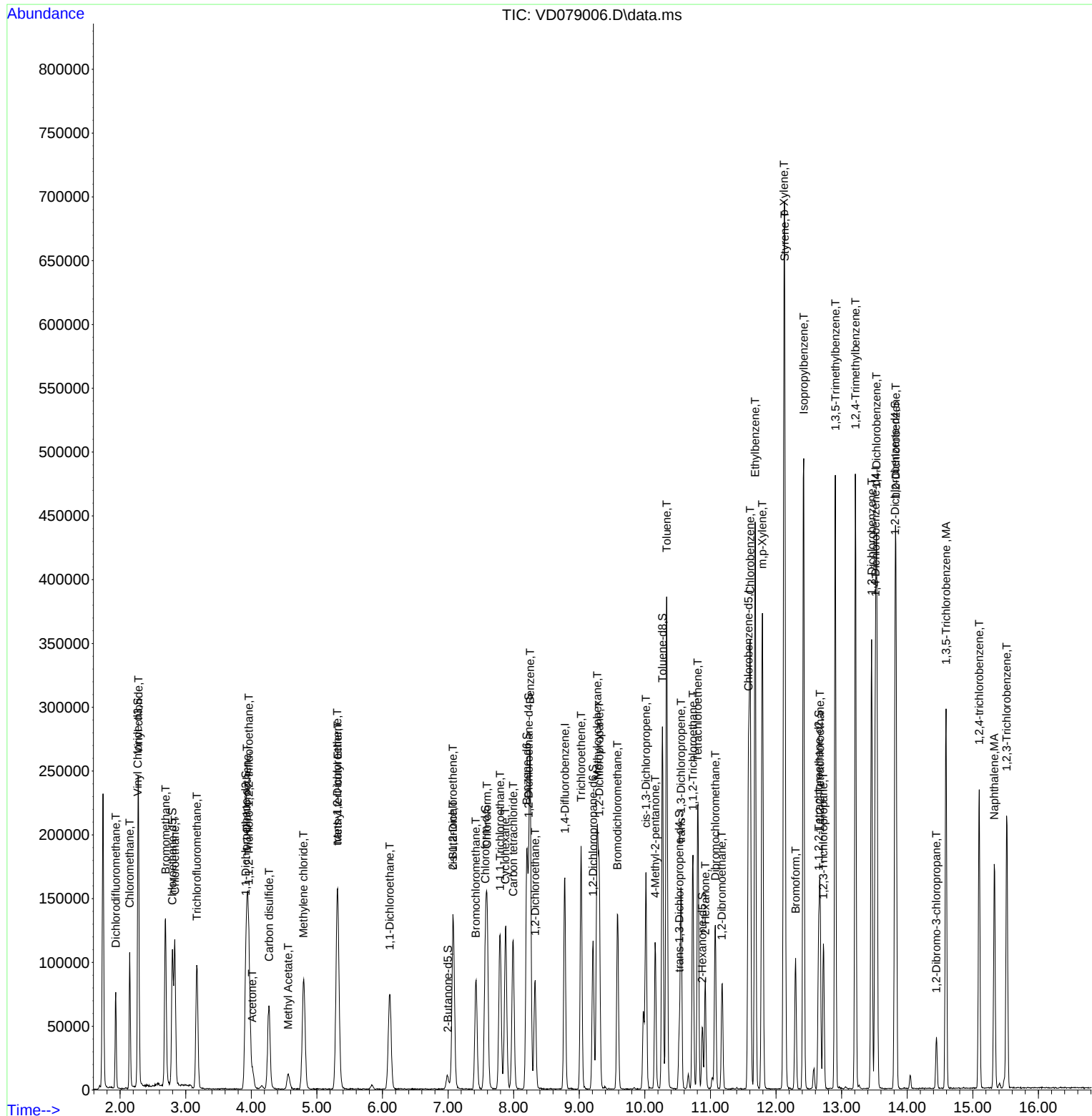
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Acq On : 23 May 2024 15:58
Operator : RP/MD
Sample : VSTDCCC025EC
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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Reviewed By : Semsettin Yesilyurt 05/27/2024
Supervised By : Mahesh Dadoda 05/27/2024

Quant Time: May 24 02:16:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 24 02:12:30 2024
Response via : Initial Calibration



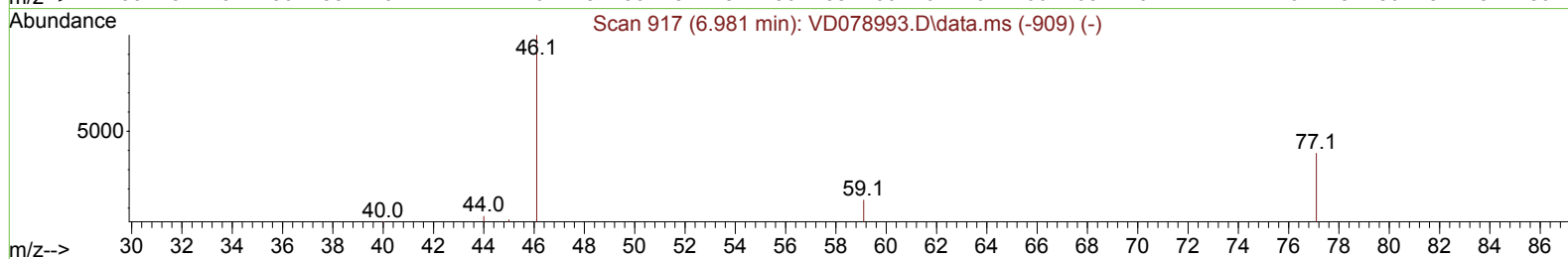
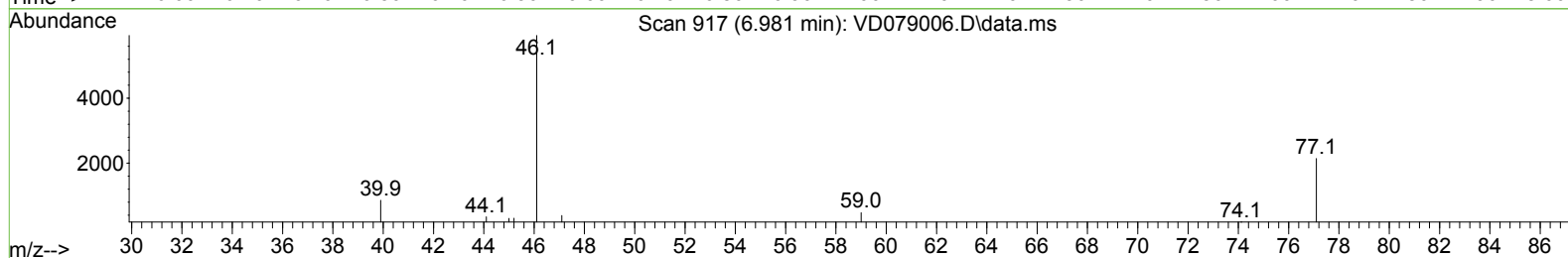
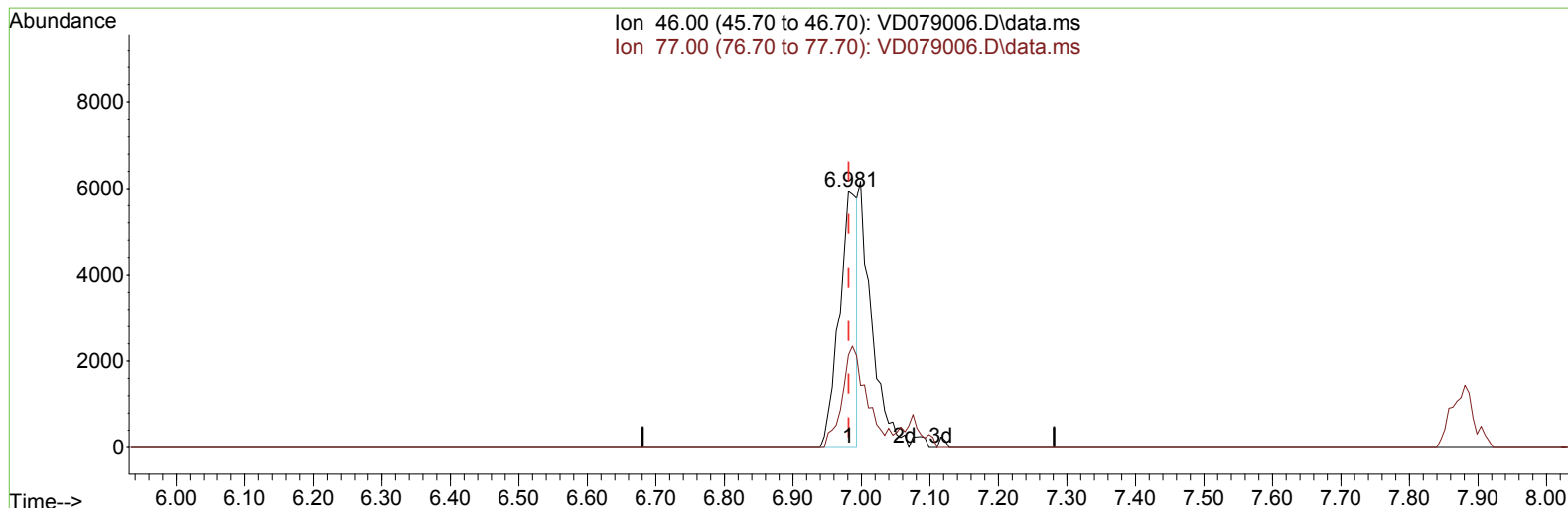
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052324\
Data File : VD079006.D
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Supervised By :Mahesh Dadoda 05/27/2024



TIC: VD079006.D\data.ms

(21) 2-Butanone-d5 (S)

6.981min (-0.000) 19.57 ug/L

response 10720

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.20	53.22#
0.00	0.00	0.00
0.00	0.00	0.00

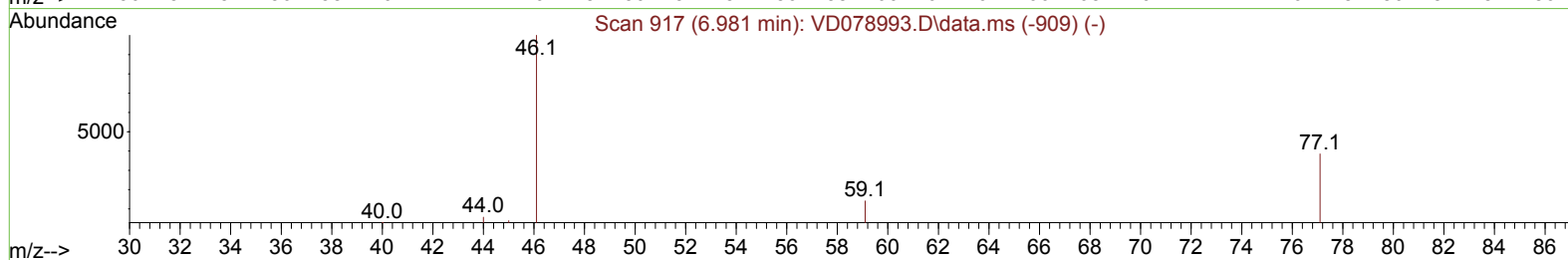
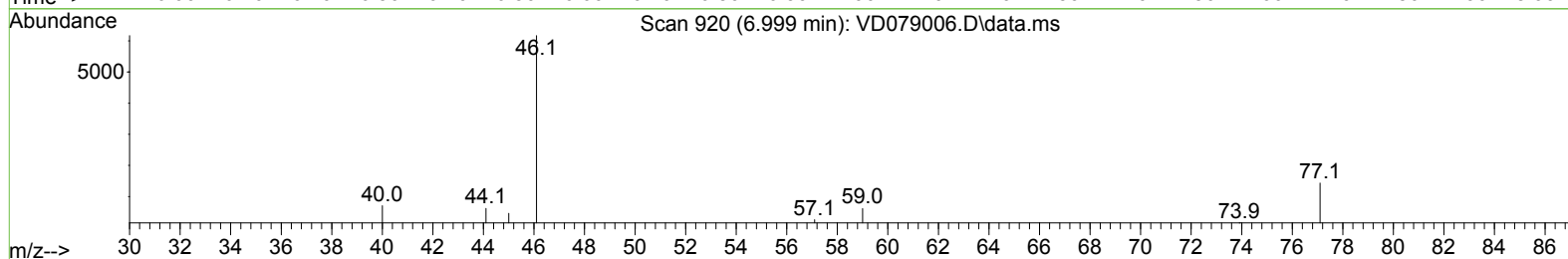
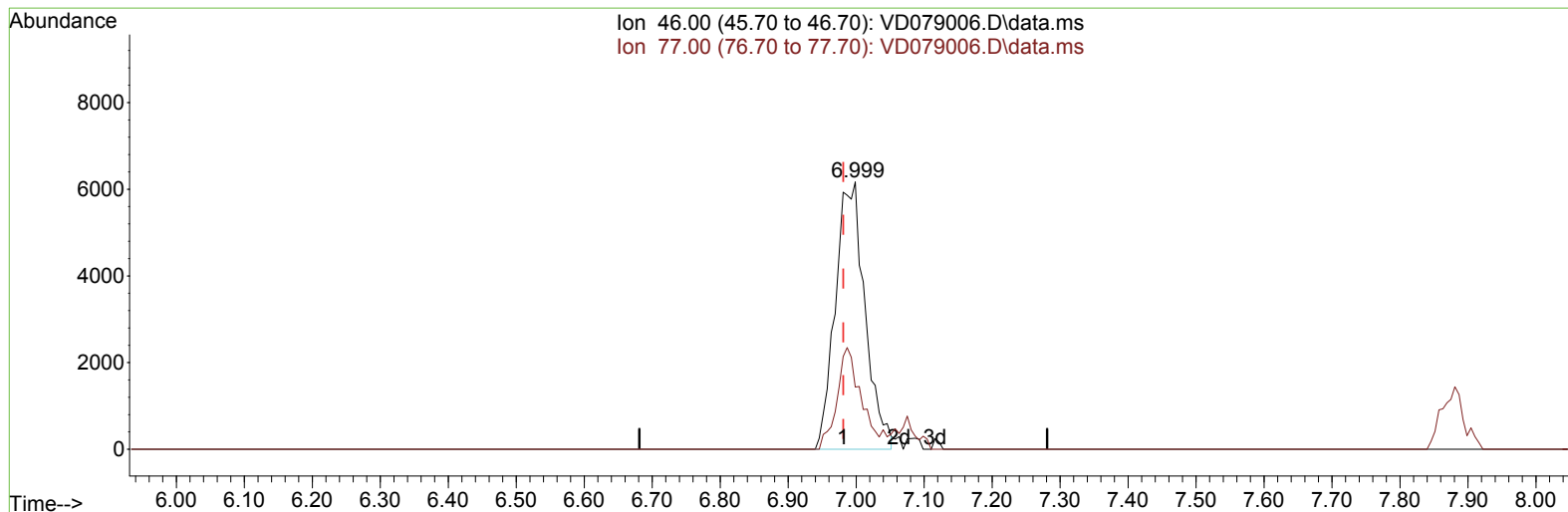
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052324\
Data File : VD079006.D
Acq On : 23 May 2024 15:58
Operator : RP/MD
Sample : VSTDC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: VD079006.D\data.ms

(21) 2-Butanone-d5 (S)

6.999min (+ 0.017) 33.96 ug/L m

response 18606

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	29.20	30.66
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)

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	157906	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	155286	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	85848	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	113944	29.435	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 117.760%			
7) Chloroethane-d5	2.799	69	117195	28.283	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 113.120%			
11) 1,1-Dichloroethene-d2	3.916	65	19064	25.247	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 101.000%			
21) 2-Butanone-d5	6.999	46	18606m	33.958	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery = 67.920%			
24) Chloroform-d	7.569	84	106877	22.736	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.960%			
26) 1,2-Dichloroethane-d4	8.228	65	49622	22.228	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.920%			
32) Benzene-d6	8.198	84	218840	27.619	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 110.480%			
36) 1,2-Dichloropropane-d6	9.210	67	60346	24.996	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 100.000%			
41) Toluene-d8	10.269	98	204900	28.055	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 112.240%			
43) trans-1,3-Dichloroprop...	10.528	79	25707	23.116	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 92.480%			
47) 2-Hexanone-d5	10.875	63	17690	36.561	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.120%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	57000	20.755	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 83.000%			
66) 1,2-Dichlorobenzene-d4	13.816	152	67460	23.152	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	54745	17.328	ug/L	100
3) Chloromethane	2.146	50	80187	20.685	ug/L	94
5) Vinyl chloride	2.281	62	134468	21.200	ug/L	99
6) Bromomethane	2.693	94	90741	20.005	ug/L	97
8) Chloroethane	2.834	64	106086	21.657	ug/L	98
9) Trichlorofluoromethane	3.169	101	99869	20.189	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	64748	20.648	ug/L #	84
12) 1,1-Dichloroethene	3.934	96	50867	18.631	ug/L	94
13) Acetone	4.016	43	20932	31.626	ug/L	99
14) Carbon disulfide	4.269	76	138896	17.555	ug/L	99
15) Methyl Acetate	4.563	43	22347	20.781	ug/L	97
16) Methylene chloride	4.793	84	76236	20.382	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	62175	22.365	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	131312	22.170	ug/L	99
19) 1,1-Dichloroethane	6.110	63	110527	23.670	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	71739	22.624	ug/L	97
22) 2-Butanone	7.075	43	28806	37.855	ug/L	94
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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29) Cyclohexane	7.875	56	61700	20.674	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	104863	24.408	ug/L	97
31) Carbon tetrachloride	7.993	117	93793	23.710	ug/L	96
33) Benzene	8.251	78	267340	25.116	ug/L	100
34) Trichloroethene	9.028	95	66238	24.155	ug/L	97
35) Methylcyclohexane	9.275	83	87050	21.114	ug/L	99
37) 1,2-Dichloropropane	9.304	63	68464	25.380	ug/L	100
38) Bromodichloromethane	9.581	83	95219	24.962	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	102578	24.241	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	67706	49.690	ug/L	97
42) Toluene	10.334	91	303956	25.973	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	92393	24.697	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	61974	25.125	ug/L	92
46) Tetrachloroethene	10.804	164	53452	22.655	ug/L	98
48) 2-Hexanone	10.922	43	45452	43.031	ug/L	99
49) Dibromochloromethane	11.075	129	73052	24.360	ug/L	96
50) 1,2-Dibromoethane	11.175	107	56926	24.431	ug/L	92
51) Chlorobenzene	11.604	112	200995	24.311	ug/L	98
52) Ethylbenzene	11.681	91	323062	25.578	ug/L	96
53) m,p-Xylene	11.792	106	127507	25.235	ug/L	95
54) o-Xylene	12.122	106	126612	25.727	ug/L	97
55) Styrene	12.134	104	234836	27.003	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.669	83	76024	25.411	ug/L	99
59) Bromoform	12.298	173	46508	23.937	ug/L	97
60) Isopropylbenzene	12.422	105	331137	26.090	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	48518	24.656	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	253348	27.005	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	253134	26.554	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	153632	24.924	ug/L	95
65) 1,4-Dichlorobenzene	13.534	146	161487	24.300	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	145615	24.960	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	9717	23.705	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	97381	24.325	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	77223	22.786	ug/L	98
71) Naphthalene	15.328	128	159056	23.003	ug/L	97
72) 1,2,3-Trichlorobenzene	15.516	180	75350	23.787	ug/L	98

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

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APPROVED

Reviewed By : Semsettin Yesilyurt 05/27/2024
Supervised By : Mahesh Dadoda 05/27/2024

Quant Time: May 24 02:16:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 24 02:12:30 2024
Response via : Initial Calibration

