

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050123\
 Data File : VD075952.D
 Acq On : 01 May 2023 21:27
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025143

Quant Time: May 02 02:37:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 02 02:31:38 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/02/2023
 Supervised By :Semsettin Yesilyurt 05/02/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	363721	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	331058	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	169442	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	191274	23.972	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.880%		
7) Chloroethane-d5	2.793	69	168814	24.487	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.960%		
11) 1,1-Dichloroethene-d2	3.911	65	42260	22.973	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	91.880%		
21) 2-Butanone-d5	6.987	46	46841	67.622	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	135.240%#		
24) Chloroform-d	7.563	84	230116m	25.300	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	101.200%		
26) 1,2-Dichloroethane-d4	8.228	65	104274	26.846	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	107.400%		
32) Benzene-d6	8.199	84	481610	24.960	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	99.840%		
36) 1,2-Dichloropropane-d6	9.210	67	138005	25.840	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	103.360%		
41) Toluene-d8	10.269	98	448967	24.854	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	99.400%		
43) trans-1,3-Dichloroprop...	10.522	79	54876	24.858	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	99.440%		
47) 2-Hexanone-d5	10.875	63	44805	69.674	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	139.340%#		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	123601	30.243	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	120.960%#		
66) 1,2-Dichlorobenzene-d4	13.816	152	147206	24.561	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	98.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	135182	26.960	ug/L	100
3) Chloromethane	2.146	50	220934	31.608	ug/L	98
5) Vinyl chloride	2.275	62	250645	27.437	ug/L	97
6) Bromomethane	2.687	94	118656	19.330	ug/L	99
8) Chloroethane	2.828	64	157436	26.647	ug/L	98
9) Trichlorofluoromethane	3.164	101	192583	26.237	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	134795	27.335	ug/L	97
12) 1,1-Dichloroethene	3.934	96	124779	26.091	ug/L	90
13) Acetone	4.022	43	34612	58.389	ug/L	96
14) Carbon disulfide	4.264	76	413827	24.774	ug/L	98
15) Methyl Acetate	4.558	43	42764	33.288	ug/L #	58
16) Methylene chloride	4.793	84	165629	22.447	ug/L	95
17) trans-1,2-Dichloroethene	5.305	96	135494	25.267	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	245661	28.559	ug/L #	73
19) 1,1-Dichloroethane	6.105	63	219422	27.931	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	149816	26.422	ug/L	98
22) 2-Butanone	7.081	43	51019	66.019	ug/L	96
23) Bromochloromethane	7.422	128	74012	28.145	ug/L	92
25) Chloroform	7.593	83	234050	26.584	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	131850	29.013	ug/L	97
29) Cyclohexane	7.875	56	162342	28.645	ug/L	92
30) 1,1,1-Trichloroethane	7.787	97	187488	26.767	ug/L	99
31) Carbon tetrachloride	7.987	117	148854	26.489	ug/L	98
33) Benzene	8.246	78	547693	27.350	ug/L	100
34) Trichloroethene	9.028	95	136403	26.339	ug/L	93
35) Methylcyclohexane	9.275	83	213377	26.725	ug/L	98
37) 1,2-Dichloropropane	9.304	63	130675	28.408	ug/L	99
38) Bromodichloromethane	9.581	83	169619	27.347	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	199427	27.260	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	115925	69.121	ug/L	98
42) Toluene	10.334	91	600564	27.713	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	168543	28.679	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	110704	28.288	ug/L	96
46) Tetrachloroethene	10.810	164	114545	26.967	ug/L	97
48) 2-Hexanone	10.922	43	82994	70.195	ug/L	94
49) Dibromochloromethane	11.075	129	121486	28.516	ug/L	100
50) 1,2-Dibromoethane	11.181	107	101992	28.908	ug/L	99
51) Chlorobenzene	11.610	112	391635	27.625	ug/L	97
52) Ethylbenzene	11.687	91	611999	27.540	ug/L	99
53) m,p-Xylene	11.793	106	248431	28.076	ug/L	100
54) o-Xylene	12.122	106	234595	27.913	ug/L	99
55) Styrene	12.134	104	422599	28.890	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	123718	31.071	ug/L	99
59) Bromoform	12.298	173	73815	28.425	ug/L	99
60) Isopropylbenzene	12.422	105	590467	26.281	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	79864	30.004	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	453094	27.044	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	440720	27.289	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	289475	26.928	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	300402	26.626	ug/L	100
67) 1,2-Dichlorobenzene	13.834	146	261325	27.221	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	15690	29.486	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	173321	24.054	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	143324	24.003	ug/L	99
71) Naphthalene	15.334	128	309172	28.294	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	141818	26.607	ug/L	98

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

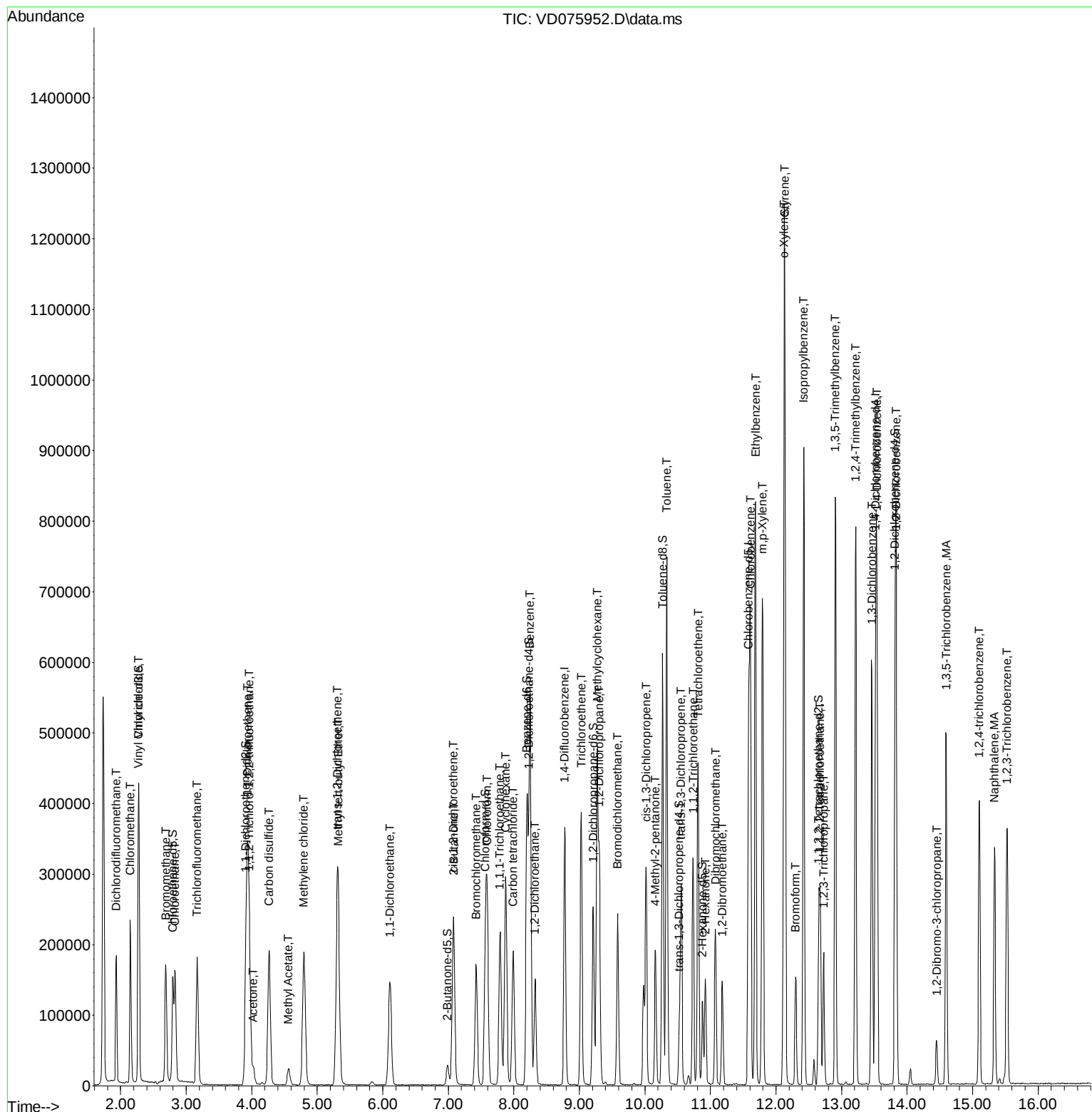
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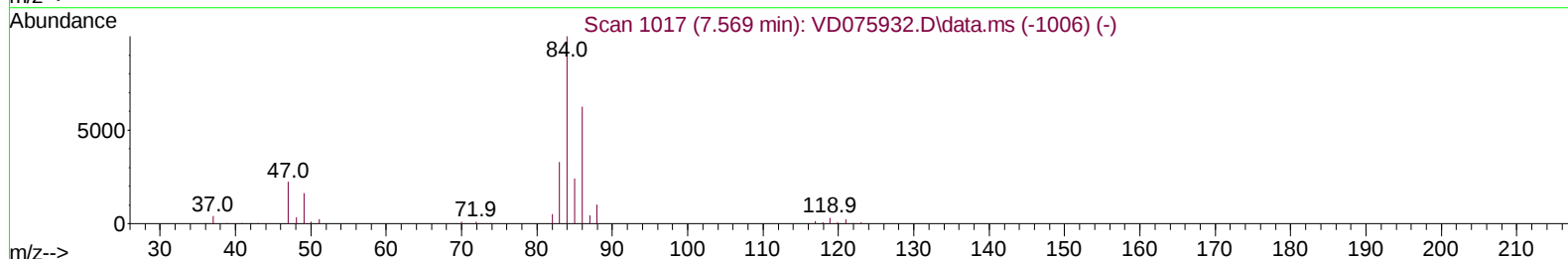
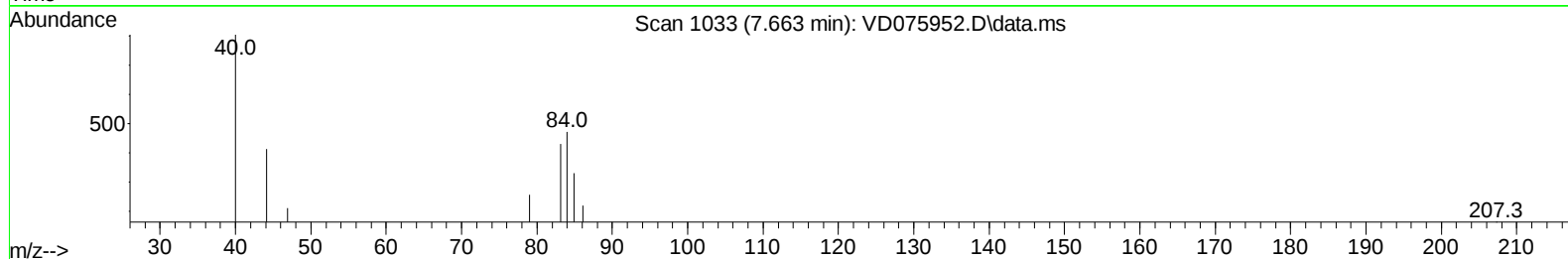
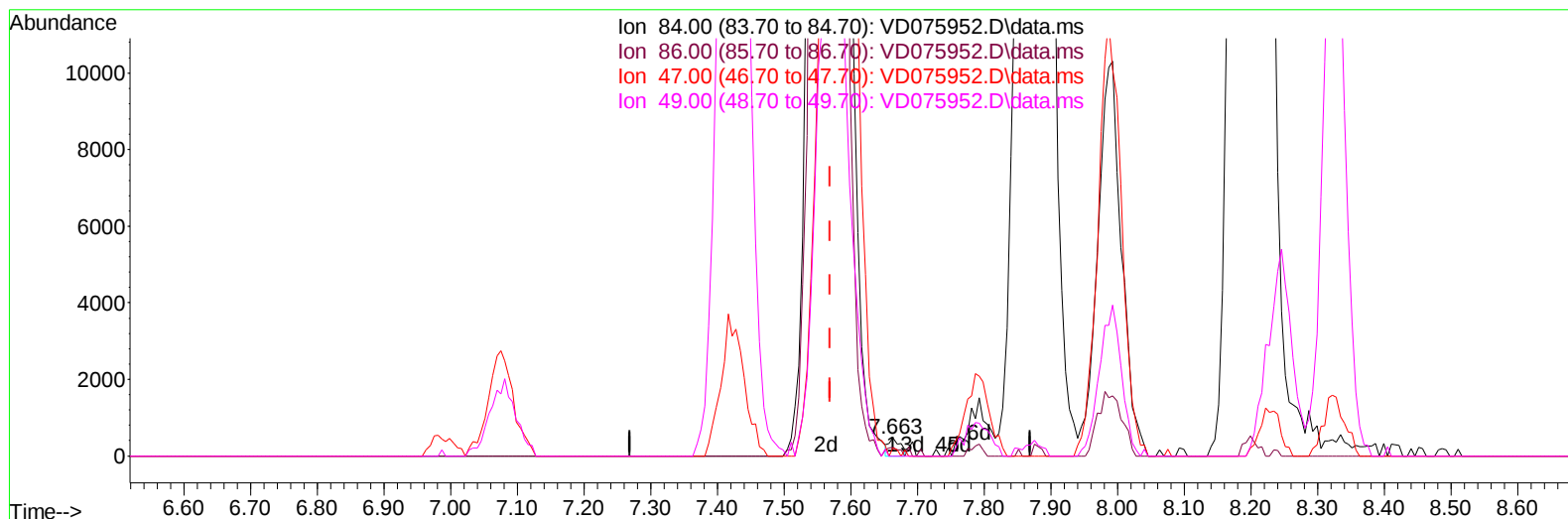
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TIC: VD075952.D\data.ms

(24) Chloroform-d (S)

7.663min (+ 0.094) 0.06 ug/L

response 566

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	63.00	55.65
47.00	31.70	23.32
49.00	8.40	10.78

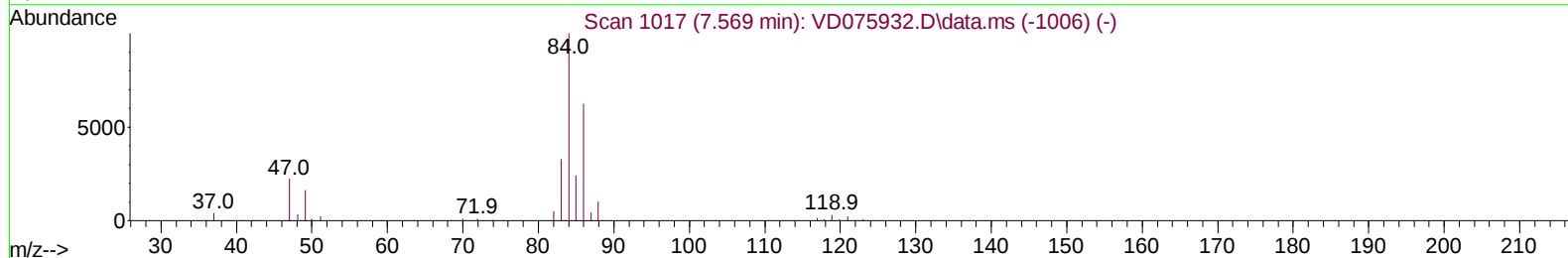
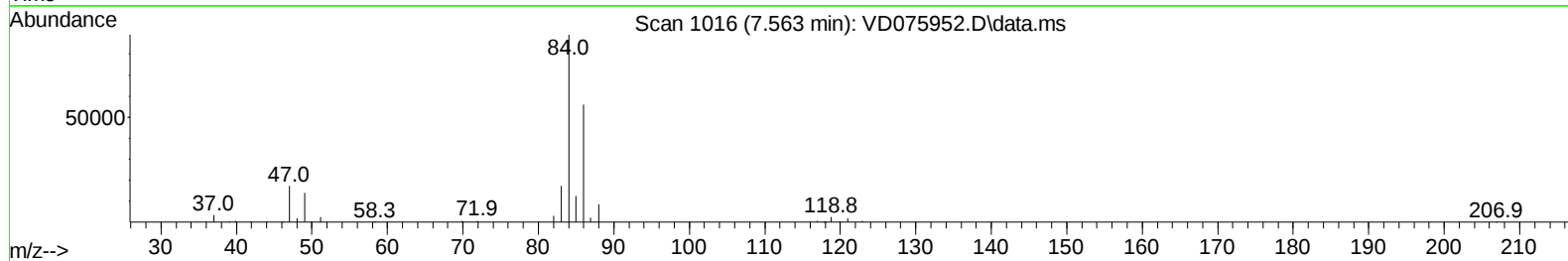
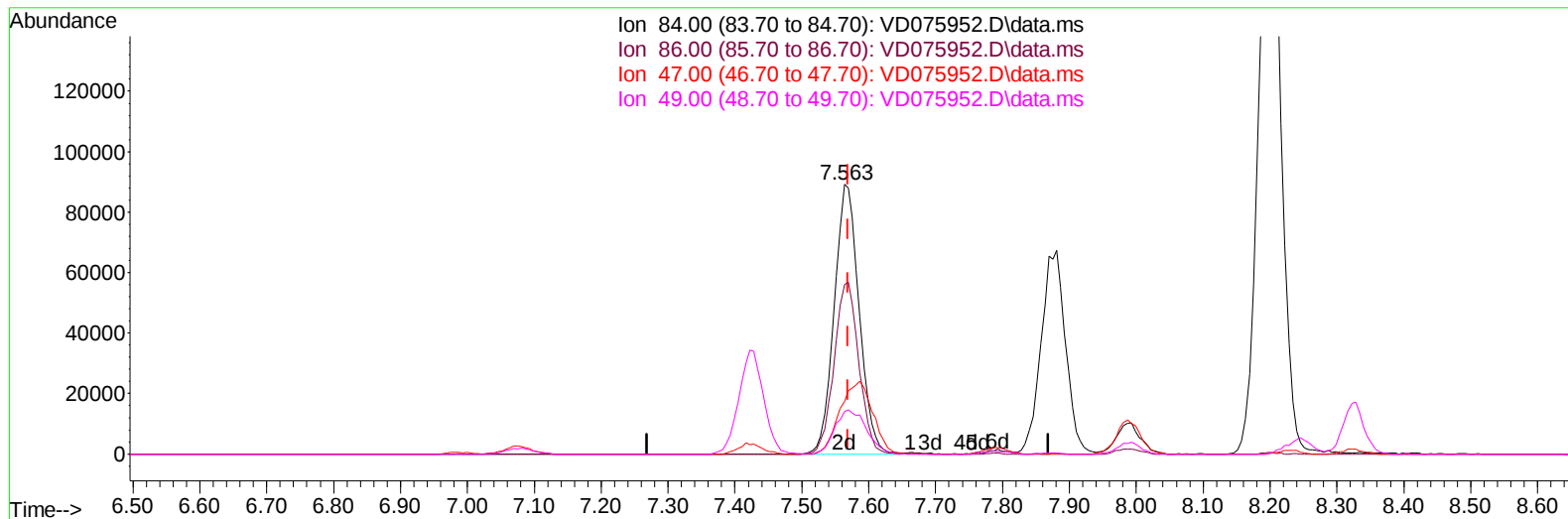
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TIC: VD075952.D\data.ms

(24) Chloroform-d (S)

7.563min (-0.006) 25.30 ug/L m

response 230116

Ion	Exp%	Act%
84.00	100.00	100.00
86.00	63.00	0.14#
47.00	31.70	0.06#
49.00	8.40	0.03#

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

Internal Standards						
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28) Chlorobenzene-d5	11.581	117	331058	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	169442	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	191274	23.972	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	95.880%	
7) Chloroethane-d5	2.793	69	168814	24.487	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	97.960%	
11) 1,1-Dichloroethene-d2	3.911	65	42260	22.973	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	91.880%	
21) 2-Butanone-d5	6.987	46	46841	67.622	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	135.240%#	
24) Chloroform-d	7.563	84	230116m	25.300	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	101.200%	
26) 1,2-Dichloroethane-d4	8.228	65	104274	26.846	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	107.400%	
32) Benzene-d6	8.199	84	481610	24.960	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	99.840%	
36) 1,2-Dichloropropane-d6	9.210	67	138005	25.840	ug/L	0.00
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41) Toluene-d8	10.269	98	448967	24.854	ug/L	0.00
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Spiked Amount 25.000	Range 30	- 135	Recovery	=	99.440%	
47) 2-Hexanone-d5	10.875	63	44805	69.674	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	139.340%#	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	123601	30.243	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	120.960%#	
66) 1,2-Dichlorobenzene-d4	13.816	152	147206	24.561	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	98.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	135182	26.960	ug/L	100
3) Chloromethane	2.146	50	220934	31.608	ug/L	98
5) Vinyl chloride	2.275	62	250645	27.437	ug/L	97
6) Bromomethane	2.687	94	118656	19.330	ug/L	99
8) Chloroethane	2.828	64	157436	26.647	ug/L	98
9) Trichlorofluoromethane	3.164	101	192583	26.237	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	134795	27.335	ug/L	97
12) 1,1-Dichloroethene	3.934	96	124779	26.091	ug/L	90
13) Acetone	4.022	43	34612	58.389	ug/L	96
14) Carbon disulfide	4.264	76	413827	24.774	ug/L	98
15) Methyl Acetate	4.558	43	42764	33.288	ug/L #	58
16) Methylene chloride	4.793	84	165629	22.447	ug/L	95
17) trans-1,2-Dichloroethene	5.305	96	135494	25.267	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	245661	28.559	ug/L #	73
19) 1,1-Dichloroethane	6.105	63	219422	27.931	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	149816	26.422	ug/L	98
22) 2-Butanone	7.081	43	51019	66.019	ug/L	96
23) Bromochloromethane	7.422	128	74012	28.145	ug/L	92

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25) Chloroform	7.593	83	234050	26.584	ug/L	99
27) 1,2-Dichloroethane	8.322	62	131850	29.013	ug/L	97
29) Cyclohexane	7.875	56	162342	28.645	ug/L	92
30) 1,1,1-Trichloroethane	7.787	97	187488	26.767	ug/L	99
31) Carbon tetrachloride	7.987	117	148854	26.489	ug/L	98
33) Benzene	8.246	78	547693	27.350	ug/L	100
34) Trichloroethene	9.028	95	136403	26.339	ug/L	93
35) Methylcyclohexane	9.275	83	213377	26.725	ug/L	98
37) 1,2-Dichloropropane	9.304	63	130675	28.408	ug/L	99
38) Bromodichloromethane	9.581	83	169619	27.347	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	199427	27.260	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	115925	69.121	ug/L	98
42) Toluene	10.334	91	600564	27.713	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	168543	28.679	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	110704	28.288	ug/L	96
46) Tetrachloroethene	10.810	164	114545	26.967	ug/L	97
48) 2-Hexanone	10.922	43	82994	70.195	ug/L	94
49) Dibromochloromethane	11.075	129	121486	28.516	ug/L	100
50) 1,2-Dibromoethane	11.181	107	101992	28.908	ug/L	99
51) Chlorobenzene	11.610	112	391635	27.625	ug/L	97
52) Ethylbenzene	11.687	91	611999	27.540	ug/L	99
53) m,p-Xylene	11.793	106	248431	28.076	ug/L	100
54) o-Xylene	12.122	106	234595	27.913	ug/L	99
55) Styrene	12.134	104	422599	28.890	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	123718	31.071	ug/L	99
59) Bromoform	12.298	173	73815	28.425	ug/L	99
60) Isopropylbenzene	12.422	105	590467	26.281	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	79864	30.004	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	453094	27.044	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	440720	27.289	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	289475	26.928	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	300402	26.626	ug/L	100
67) 1,2-Dichlorobenzene	13.834	146	261325	27.221	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	15690	29.486	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	173321	24.054	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	143324	24.003	ug/L	99
71) Naphthalene	15.334	128	309172	28.294	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	141818	26.607	ug/L	98

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