

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061824\
 Data File : VD079202.D
 Acq On : 18 Jun 2024 16:27
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025901

Quant Time: Jun 19 07:19:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 19 07:16:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/29/2024
 Supervised By :Semsettin Yesilyurt 06/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	190423	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	190101	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	100346	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	135638	23.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.600%
7) Chloroethane-d5	2.793	69	121689	21.477	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.920%
11) 1,1-Dichloroethene-d2	3.916	65	25969	24.964	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.840%
21) 2-Butanone-d5	6.987	46	25191	56.204	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.400%
24) Chloroform-d	7.563	84	134254	25.215	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.880%
26) 1,2-Dichloroethane-d4	8.228	65	63543	25.871	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.480%
32) Benzene-d6	8.199	84	273253	25.929	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.720%
36) 1,2-Dichloropropane-d6	9.204	67	75424	24.846	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.400%
41) Toluene-d8	10.263	98	260384	26.388	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.560%
43) trans-1,3-Dichloroprop...	10.522	79	33463	26.226	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.920%
47) 2-Hexanone-d5	10.875	63	23245	59.231	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.460%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	74237	27.609	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.440%
66) 1,2-Dichlorobenzene-d4	13.810	152	89181	25.751	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	61570	20.425	ug/L	100
3) Chloromethane	2.146	50	126660	31.526	ug/L	95
5) Vinyl chloride	2.275	62	168394	25.394	ug/L	98
6) Bromomethane	2.687	94	100503	19.632	ug/L	95
8) Chloroethane	2.834	64	115482	23.760	ug/L	95
9) Trichlorofluoromethane	3.169	101	132503	26.230	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.952	101	79101	26.113	ug/L #	86
12) 1,1-Dichloroethene	3.934	96	77420	29.357	ug/L	94
13) Acetone	4.016	43	44681	68.858	ug/L	98
14) Carbon disulfide	4.263	76	269354	29.279	ug/L	99
15) Methyl Acetate	4.563	43	25477m	28.817	ug/L	
16) Methylene chloride	4.793	84	87759	25.865	ug/L	94
17) trans-1,2-Dichloroethene	5.299	96	77552	27.211	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	141358	27.966	ug/L #	82
19) 1,1-Dichloroethane	6.105	63	122967	26.799	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	85029	28.653	ug/L	94
22) 2-Butanone	7.081	43	38365	56.282	ug/L	99
23) Bromochloromethane	7.422	128	42691	28.375	ug/L	96
25) Chloroform	7.593	83	146615	28.143	ug/L	88

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 Supervised By :Semsettin Yesilyurt 06/29/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	83183	27.506	ug/L #	92
29) Cyclohexane	7.875	56	77411	22.569	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	115951	25.763	ug/L	100
31) Carbon tetrachloride	7.987	117	103929	24.849	ug/L	98
33) Benzene	8.246	78	320246	28.284	ug/L	100
34) Trichloroethene	9.022	95	79083	27.119	ug/L	94
35) Methylcyclohexane	9.269	83	110002	22.765	ug/L	98
37) 1,2-Dichloropropane	9.298	63	76477	27.576	ug/L	99
38) Bromodichloromethane	9.581	83	105290	27.310	ug/L	98
39) cis-1,3-Dichloropropene	10.010	75	119148	27.521	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	70723	61.088	ug/L	97
42) Toluene	10.328	91	357885	28.465	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	104742	28.610	ug/L	93
45) 1,1,2-Trichloroethane	10.728	97	69096	28.399	ug/L	98
46) Tetrachloroethene	10.804	164	66626	25.947	ug/L	97
48) 2-Hexanone	10.916	43	60942	60.833	ug/L	98
49) Dibromochloromethane	11.069	129	81114	28.153	ug/L	95
50) 1,2-Dibromoethane	11.175	107	66762	29.857	ug/L #	100
51) Chlorobenzene	11.604	112	234176	27.993	ug/L	98
52) Ethylbenzene	11.681	91	372396	28.396	ug/L	99
53) m,p-Xylene	11.792	106	150309	29.213	ug/L	94
54) o-Xylene	12.116	106	145134	29.196	ug/L	92
55) Styrene	12.134	104	268267	30.435	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.669	83	79920	29.345	ug/L	96
59) Bromoform	12.292	173	52388	28.485	ug/L	100
60) Isopropylbenzene	12.416	105	370426	27.918	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	51498	29.068	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	254286	28.030	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	276241	28.469	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	178396	27.987	ug/L	94
65) 1,4-Dichlorobenzene	13.534	146	186327	27.588	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	161160	27.350	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	9934	27.277	ug/L	89
69) 1,3,5-Trichlorobenzene	14.586	180	109257	27.177	ug/L	98
70) 1,2,4-trichlorobenzene	15.092	180	90530	27.114	ug/L	99
71) Naphthalene	15.328	128	177078	28.359	ug/L	98
72) 1,2,3-Trichlorobenzene	15.516	180	83914	29.079	ug/L	97

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

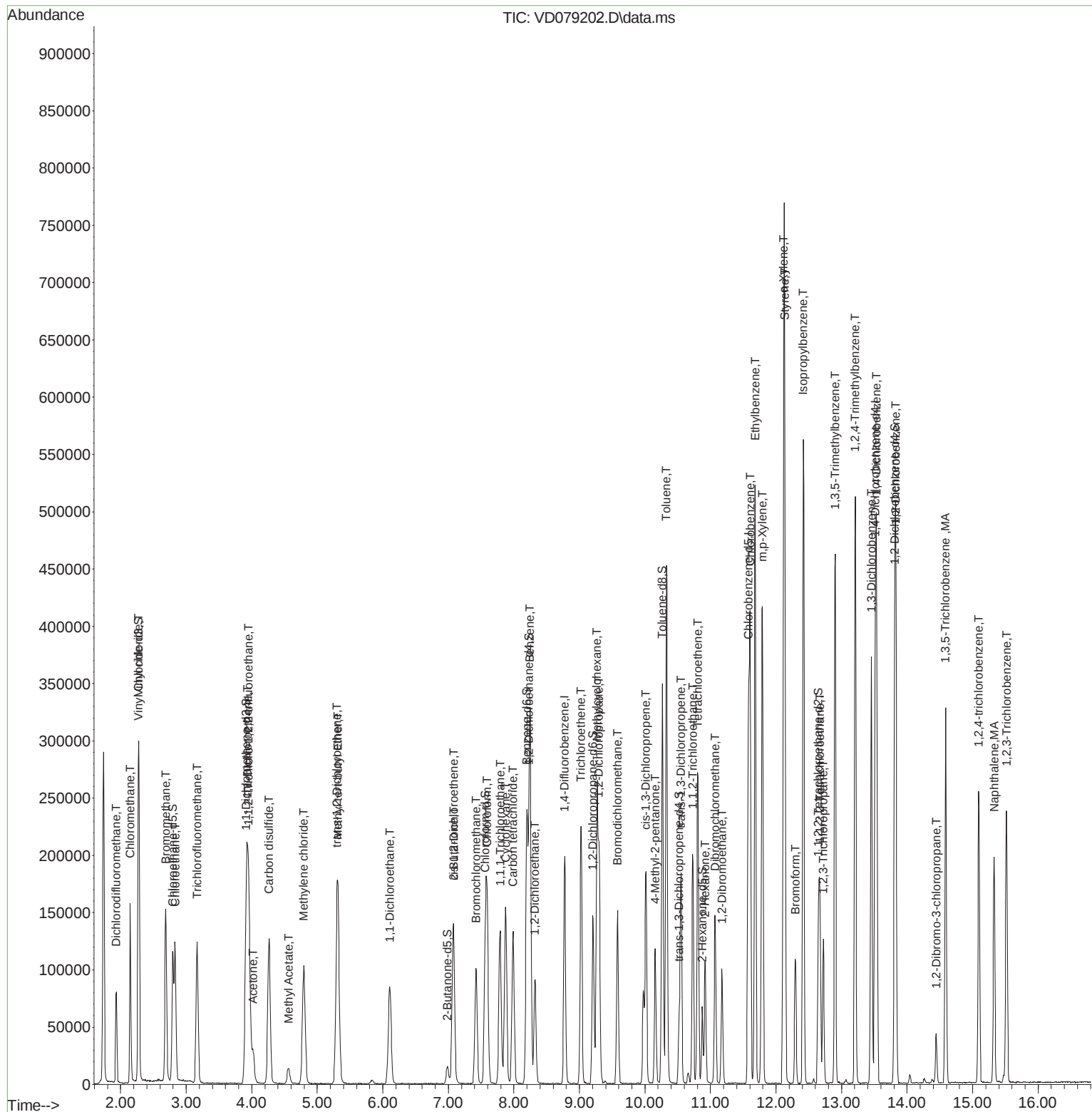
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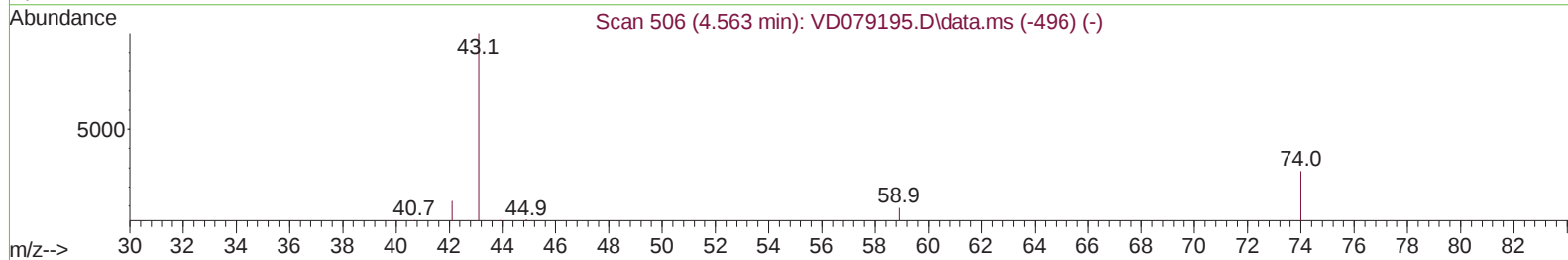
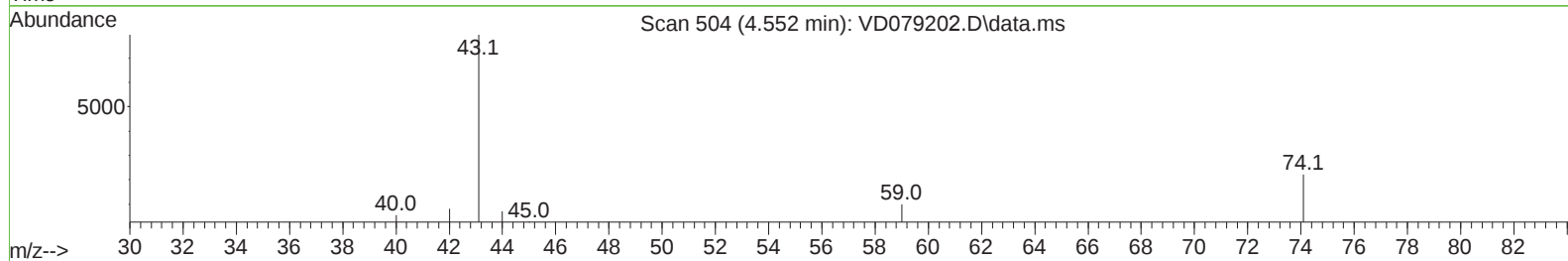
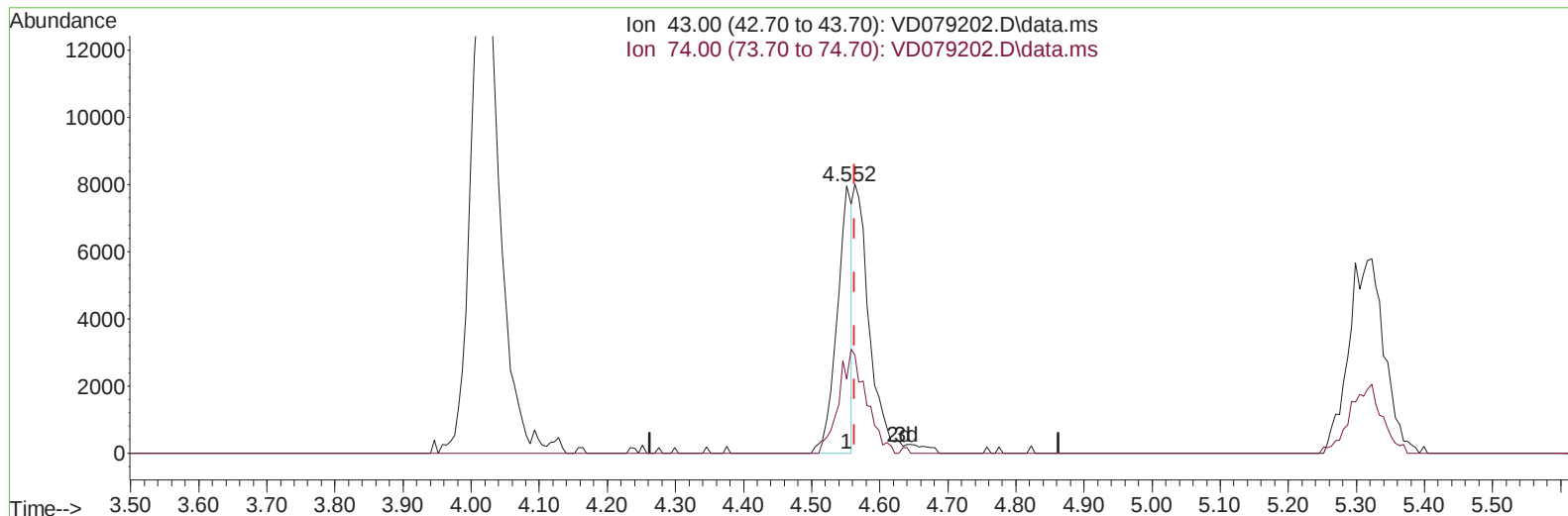
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TIC: VD079203.D\data.ms

(15) Methyl Acetate (T)

4.552min (-0.012) 13.42 ug/L

response 11868

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	29.70	70.80#
0.00	0.00	0.00
0.00	0.00	0.00

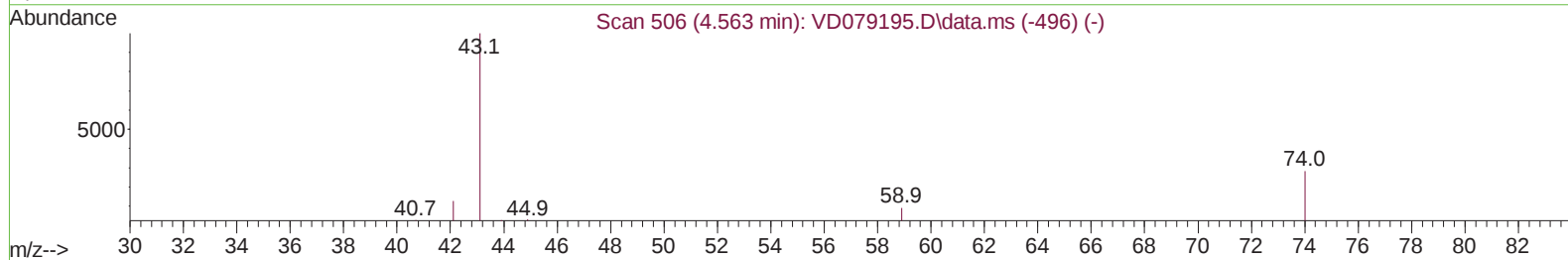
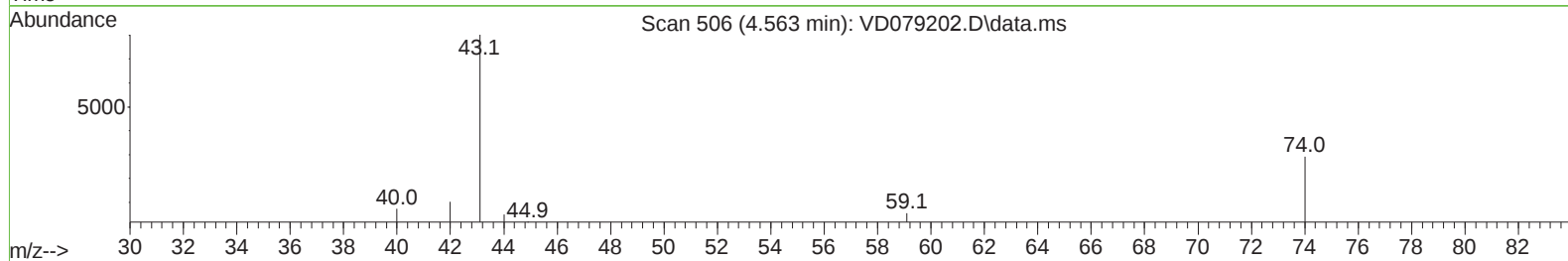
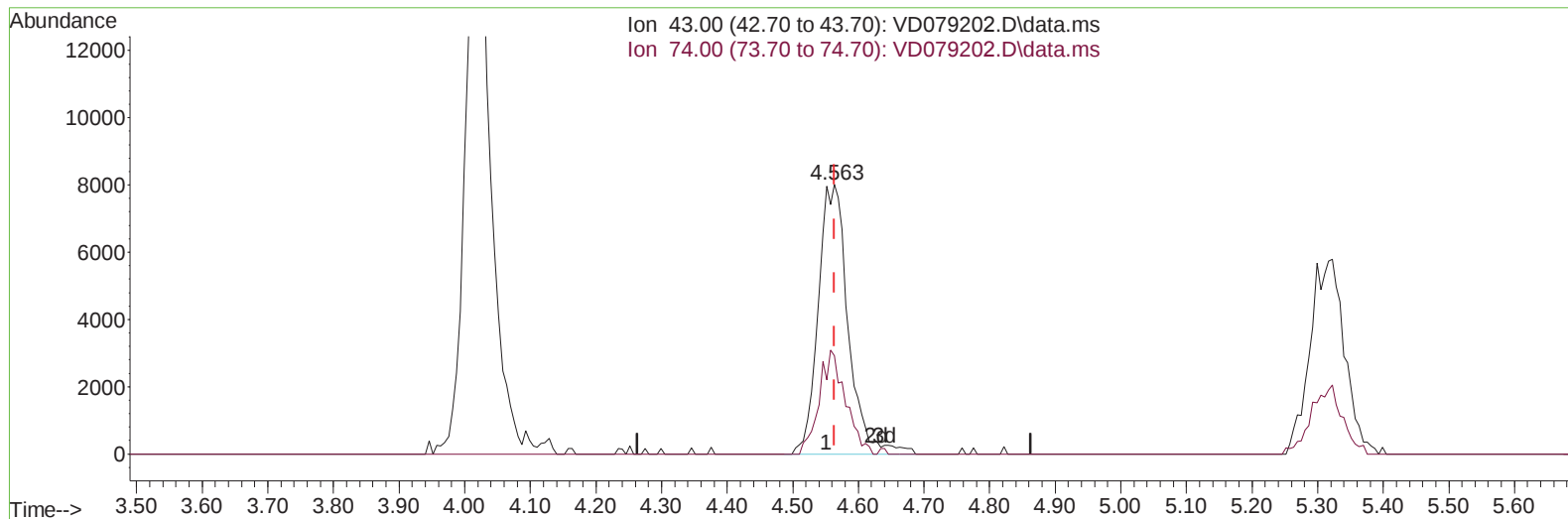
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TIC: VD079203.D\data.ms

(15) Methyl Acetate (T)

4.563min (+ 0.000) 28.82 ug/L m

response 25477

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	29.70	32.98
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	8.775	114	190423	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	190101	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	100346	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	135638	23.147	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	92.600%	
7) Chloroethane-d5	2.793	69	121689	21.477	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	85.920%	
11) 1,1-Dichloroethene-d2	3.916	65	25969	24.964	ug/L	0.01
Spiked Amount 25.000	Range 45	- 110	Recovery	=	99.840%	
21) 2-Butanone-d5	6.987	46	25191	56.204	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	112.400%	
24) Chloroform-d	7.563	84	134254	25.215	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	100.880%	
26) 1,2-Dichloroethane-d4	8.228	65	63543	25.871	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	103.480%	
32) Benzene-d6	8.199	84	273253	25.929	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	103.720%	
36) 1,2-Dichloropropane-d6	9.204	67	75424	24.846	ug/L	0.00
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Spiked Amount 25.000	Range 45	- 120	Recovery	=	110.440%	
66) 1,2-Dichlorobenzene-d4	13.810	152	89181	25.751	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	103.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	61570	20.425	ug/L	100
3) Chloromethane	2.146	50	126660	31.526	ug/L	95
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18) Methyl tert-butyl Ether	5.316	73	141358	27.966	ug/L #	82
19) 1,1-Dichloroethane	6.105	63	122967	26.799	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	85029	28.653	ug/L	94
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39) cis-1,3-Dichloropropene	10.010	75	119148	27.521	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	70723	61.088	ug/L	97
42) Toluene	10.328	91	357885	28.465	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	104742	28.610	ug/L	93
45) 1,1,2-Trichloroethane	10.728	97	69096	28.399	ug/L	98
46) Tetrachloroethene	10.804	164	66626	25.947	ug/L	97
48) 2-Hexanone	10.916	43	60942	60.833	ug/L	98
49) Dibromochloromethane	11.069	129	81114	28.153	ug/L	95
50) 1,2-Dibromoethane	11.175	107	66762	29.857	ug/L #	100
51) Chlorobenzene	11.604	112	234176	27.993	ug/L	98
52) Ethylbenzene	11.681	91	372396	28.396	ug/L	99
53) m,p-Xylene	11.792	106	150309	29.213	ug/L	94
54) o-Xylene	12.116	106	145134	29.196	ug/L	92
55) Styrene	12.134	104	268267	30.435	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.669	83	79920	29.345	ug/L	96
59) Bromoform	12.292	173	52388	28.485	ug/L	100
60) Isopropylbenzene	12.416	105	370426	27.918	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	51498	29.068	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	254286	28.030	ug/L	98
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64) 1,3-Dichlorobenzene	13.457	146	178396	27.987	ug/L	94
65) 1,4-Dichlorobenzene	13.534	146	186327	27.588	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	161160	27.350	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	9934	27.277	ug/L	89
69) 1,3,5-Trichlorobenzene	14.586	180	109257	27.177	ug/L	98
70) 1,2,4-trichlorobenzene	15.092	180	90530	27.114	ug/L	99
71) Naphthalene	15.328	128	177078	28.359	ug/L	98
72) 1,2,3-Trichlorobenzene	15.516	180	83914	29.079	ug/L	97

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