

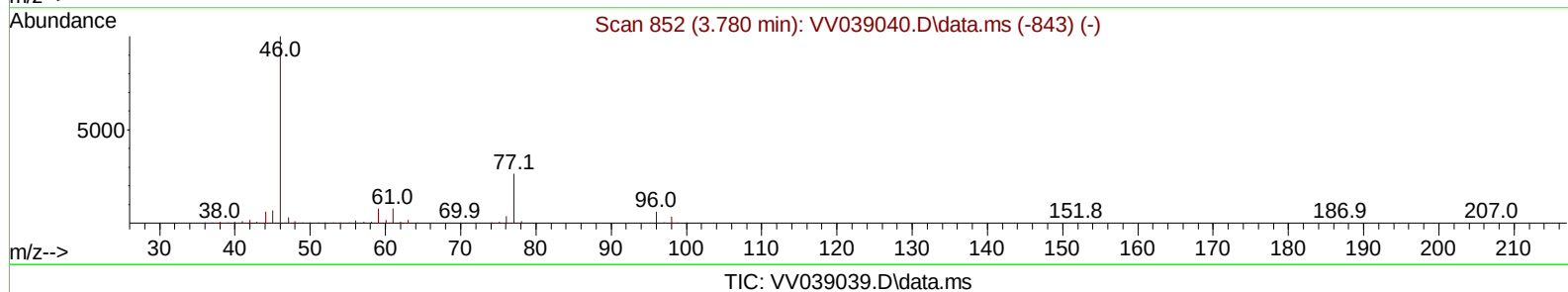
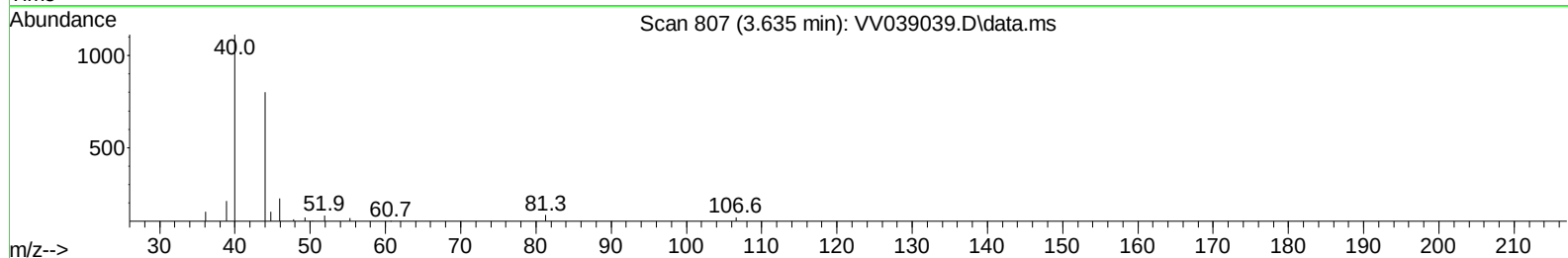
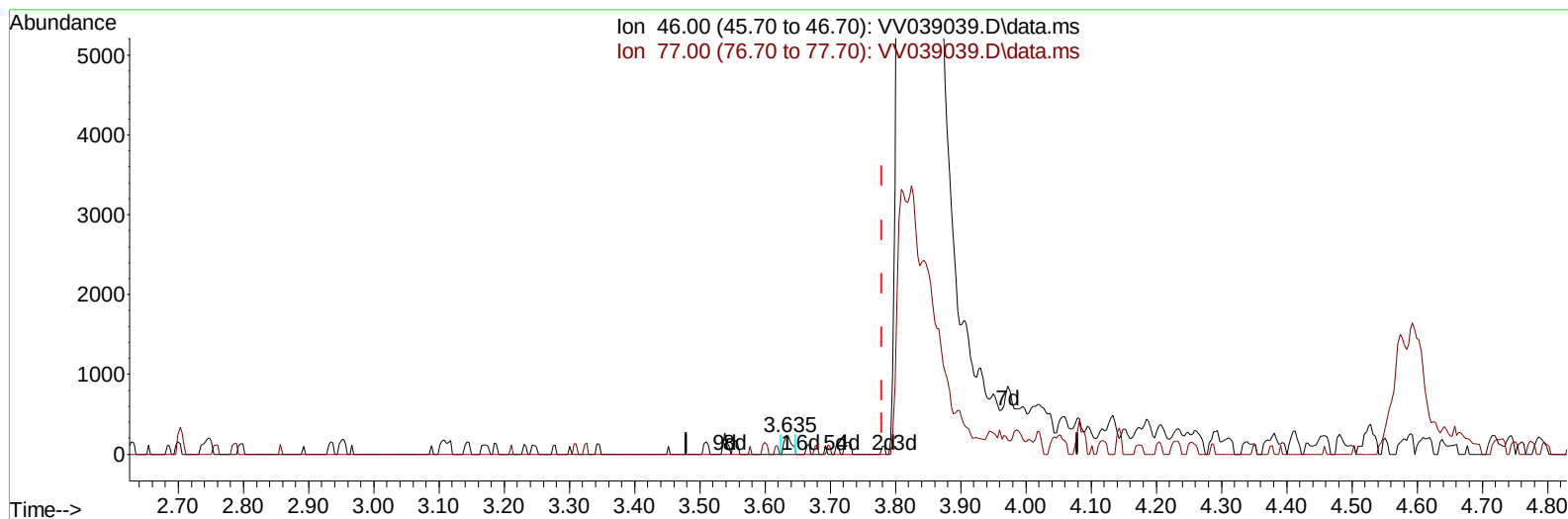
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
Data File : VV039039.D
Acq On : 11 Sep 2025 11:11
Operator : SY/MD
Sample : VSTD01026
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD010226

Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 09/15/2025
Supervised By :Semsettin Yesilyurt 09/15/2025

Quant Time: Sep 12 01:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125wMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 12 01:30:58 2025
Response via : Initial Calibration

**(21) 2-Butanone-d5 (S)**

3.635min (-0.145) 0.04 ug/L

response 186

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	24.00	21.51
0.00	0.00	0.00
0.00	0.00	0.00

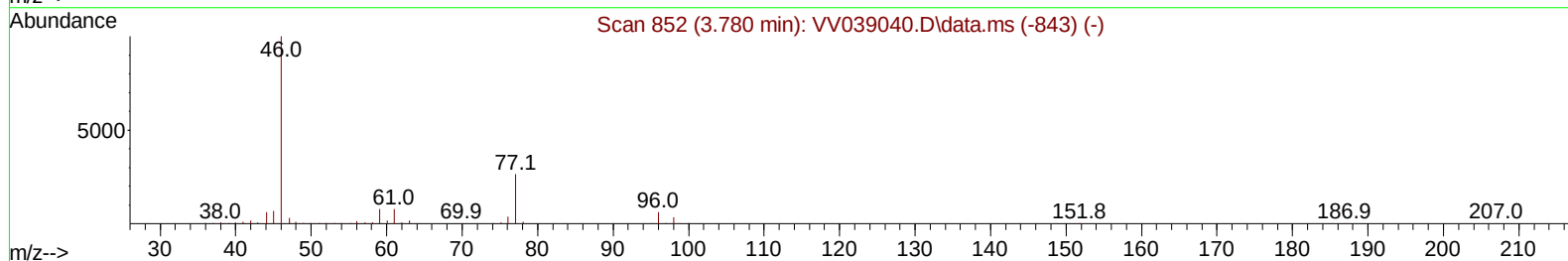
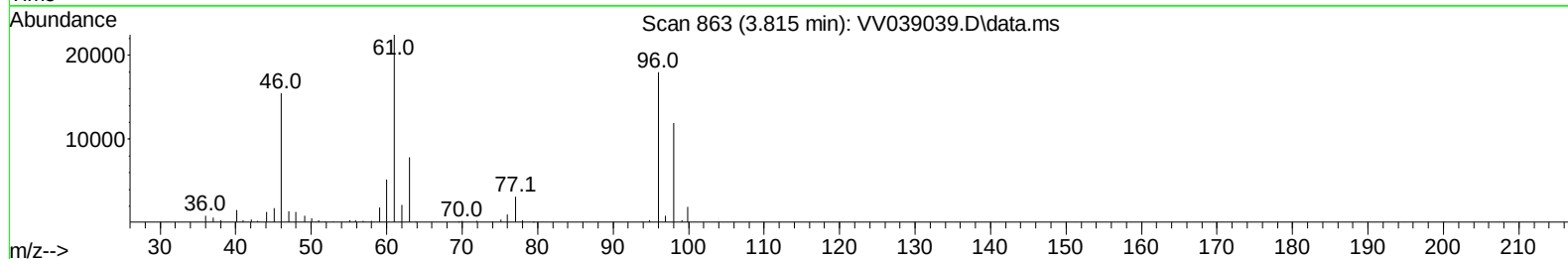
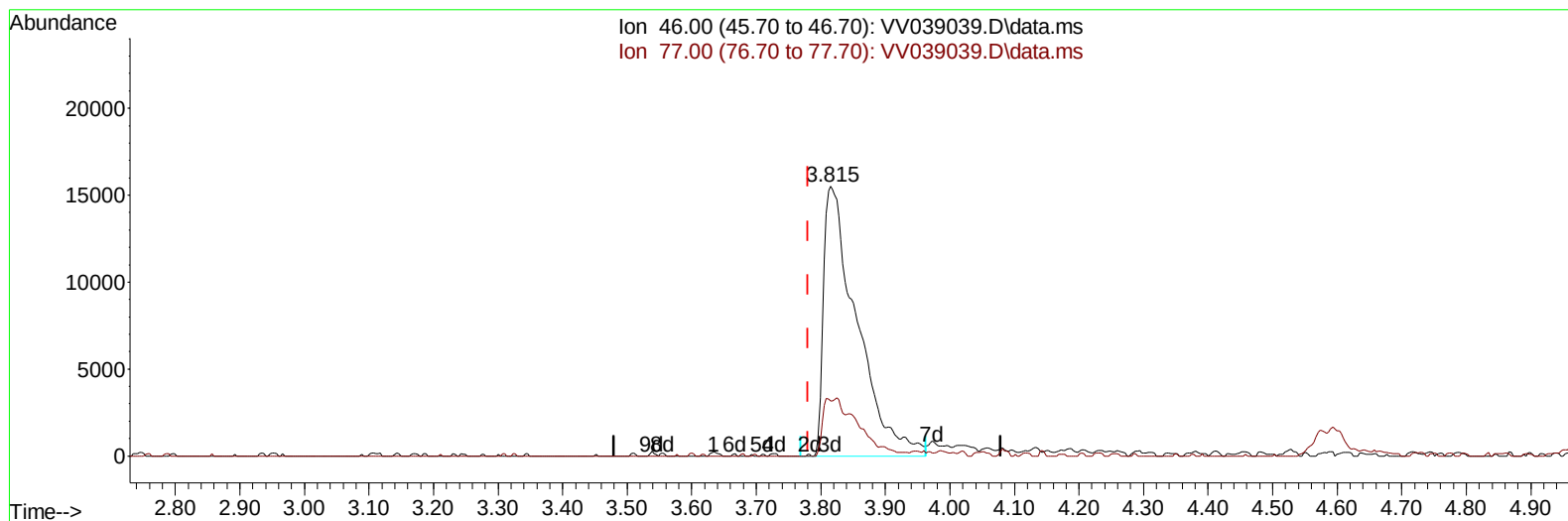
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TIC: VV039039.D\data.ms

(21) 2-Butanone-d5 (S)

3.815min (+ 0.035) 11.17 ug/L m

response 55674

Ion	Exp%	Act%
46.00	100.00	100.00
77.00	24.00	0.07#
0.00	0.00	0.00
0.00	0.00	0.00

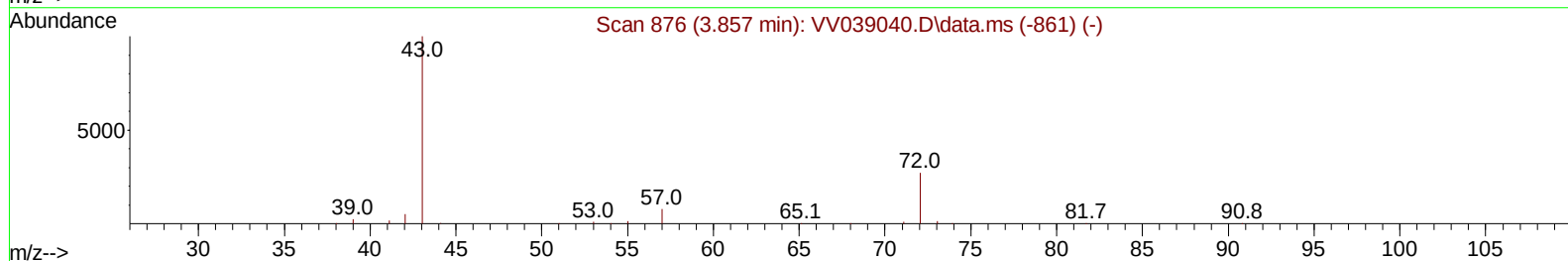
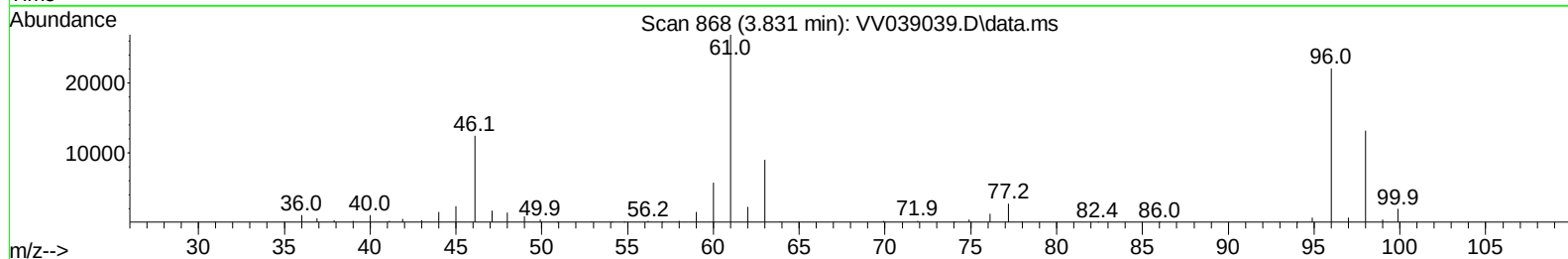
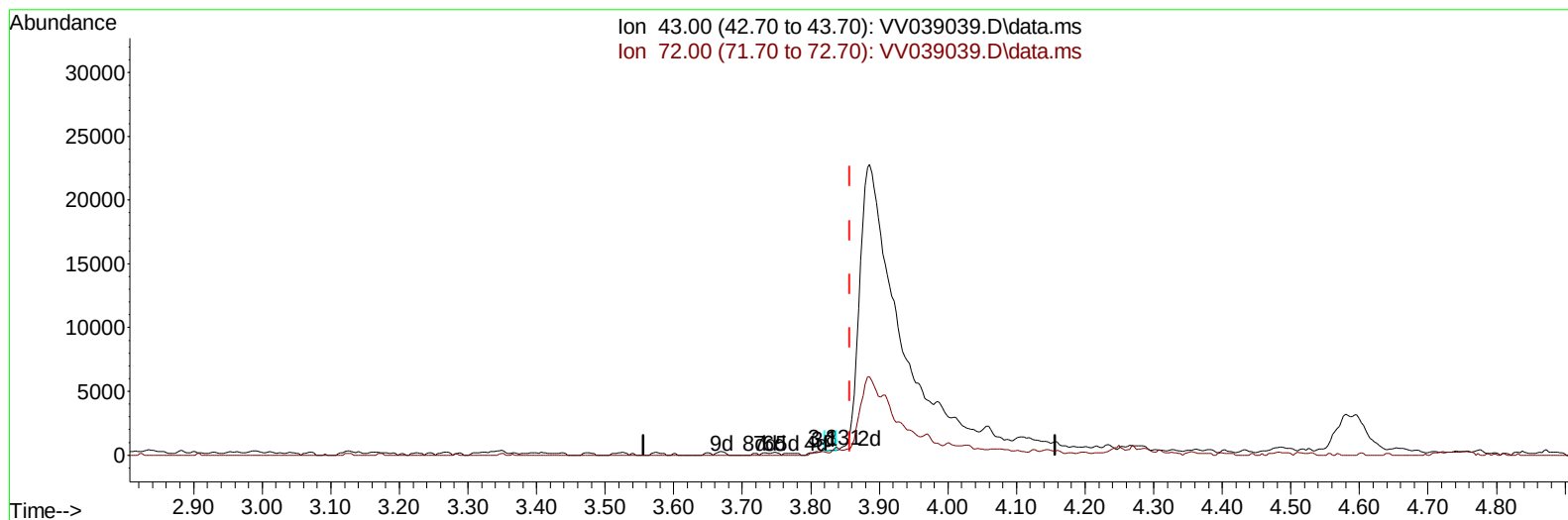
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TIC: VV039039.D\data.ms

(22) 2-Butanone (T)

3.831min (-0.026) 0.01 ug/L

response 37

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.30	827.03#
0.00	0.00	0.00
0.00	0.00	0.00

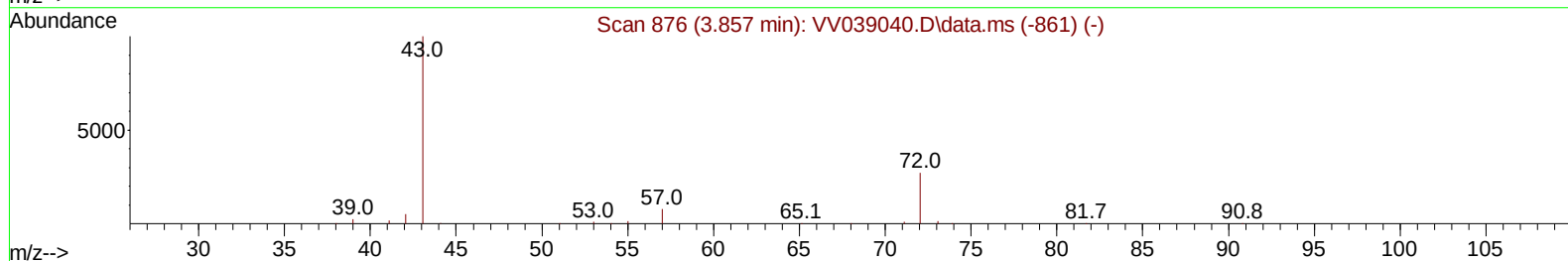
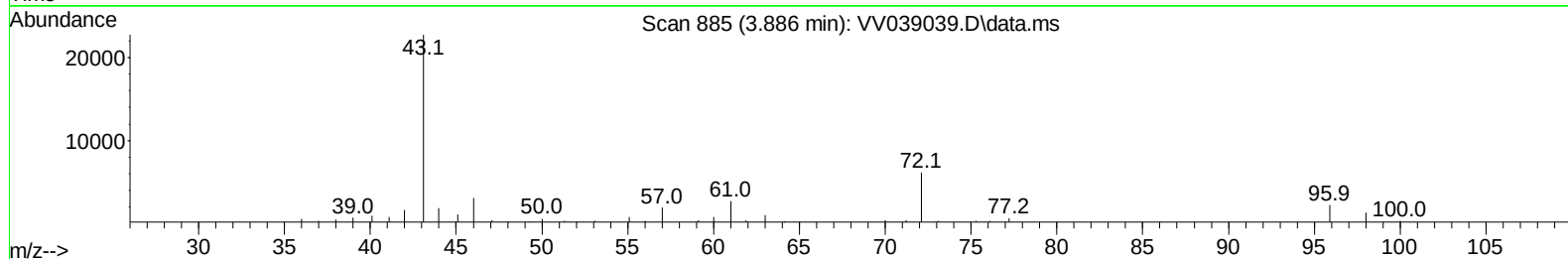
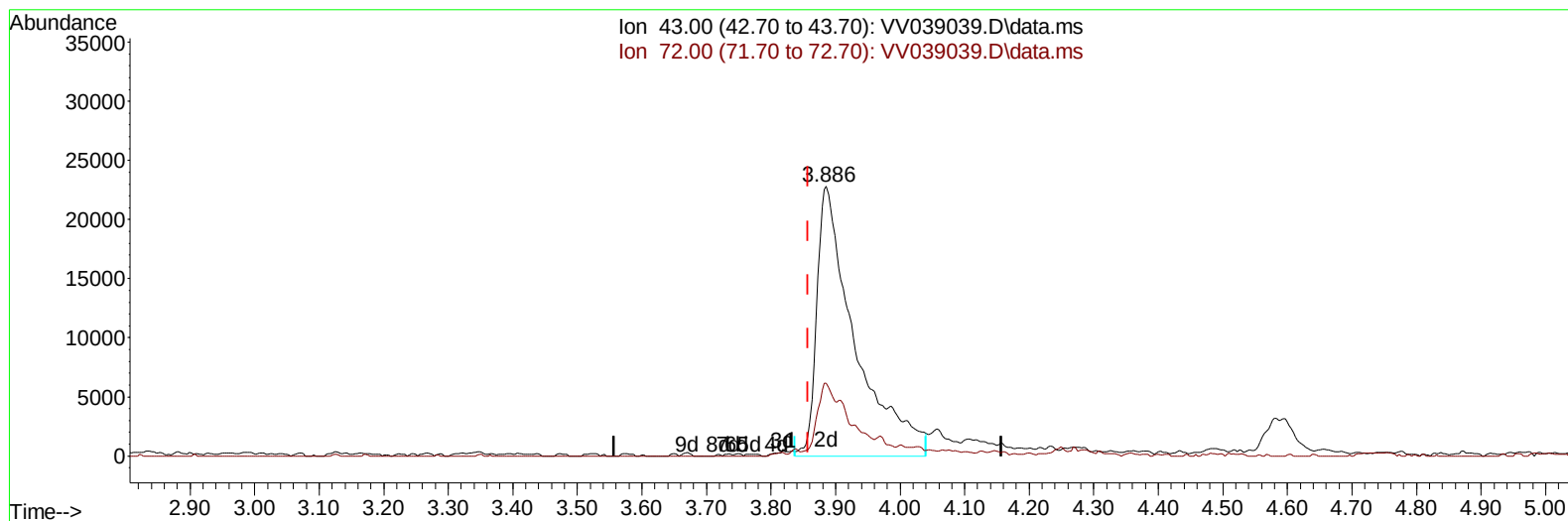
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TIC: VV039039.D\data.ms

(22) 2-Butanone (T)

3.886min (+ 0.029) 17.25 ug/L m

response 93292

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	26.30	0.33#
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	5.532	114	827672	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	837253	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	403594	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	72532	10.156	ug/L	0.00
7) Chloroethane-d5	1.545	69	58028	9.180	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	29690	8.672	ug/L	0.00
21) 2-Butanone-d5	3.815	46	55674m	11.174	ug/L	0.04
24) Chloroform-d	4.255	84	117295	8.124	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	70250	8.419	ug/L	0.02
32) Benzene-d6	4.966	84	216028	8.240	ug/L	0.01
36) 1,2-Dichloropropane-d6	5.989	67	85588	9.933	ug/L	0.00
41) Toluene-d8	7.239	98	193747	8.255	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.554	79	31891	8.256	ug/L	0.01
47) 2-Hexanone-d5	8.024	63	33118	9.774	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.143	84	102949	8.047	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	68993	8.767	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	68257	7.468	ug/L	100
3) Chloromethane	1.230	50	73955	7.880	ug/L	98
5) Vinyl chloride	1.297	62	88215	8.971	ug/L	98
6) Bromomethane	1.500	94	49200	9.943	ug/L	99
8) Chloroethane	1.561	64	55943	9.412	ug/L	96
9) Trichlorofluoromethane	1.728	101	122913	9.380	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	78822	9.996	ug/L	99
12) 1,1-Dichloroethene	2.082	96	68242	9.636	ug/L	90
13) Acetone	2.121	43	126255	32.782	ug/L	98
14) Carbon disulfide	2.252	76	223729	10.275	ug/L	99
15) Methyl Acetate	2.387	43	70419	7.749	ug/L	97
16) Methylene chloride	2.458	84	74692	9.225	ug/L	99
17) trans-1,2-Dichloroethene	2.706	96	64918	9.183	ug/L	96
18) Methyl tert-butyl Ether	2.712	73	173981	8.249	ug/L	98
19) 1,1-Dichloroethane	3.120	63	128217	8.885	ug/L	98
20) cis-1,2-Dichloroethene	3.828	96	65819	8.688	ug/L	98
22) 2-Butanone	3.886	43	93292m	17.248	ug/L	
23) Bromochloromethane	4.162	128	39796	9.868	ug/L	97
25) Chloroform	4.284	83	132782	9.239	ug/L	98
27) 1,2-Dichloroethane	5.046	62	94514	8.763	ug/L	98
29) Cyclohexane	4.587	56	98852	8.483	ug/L #	87
30) 1,1,1-Trichloroethane	4.519	97	119284	9.778	ug/L #	86
31) Carbon tetrachloride	4.738	117	105140	9.858	ug/L	100
33) Benzene	5.014	78	264406	9.128	ug/L	100
34) Trichloroethene	5.837	95	72509	9.442	ug/L	96
35) Methylcyclohexane	6.046	83	104766	8.632	ug/L	97
37) 1,2-Dichloropropane	6.091	63	71689	8.694	ug/L #	97
38) Bromodichloromethane	6.432	83	97380	8.949	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	95937	8.028	ug/L	98
40) 4-Methyl-2-pentanone	7.152	43	149149	13.451	ug/L	99
42) Toluene	7.313	91	276541	9.128	ug/L	99

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.580	75		99767	8.518	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97		78173	9.440	ug/L	97
46) Tetrachloroethene	7.898	164		57182	9.989	ug/L	97
48) 2-Hexanone	8.069	43		107921	13.458	ug/L	99
49) Dibromochloromethane	8.169	129		83212	9.933	ug/L	96
50) 1,2-Dibromoethane	8.278	107		83270	9.895	ug/L	97
51) Chlorobenzene	8.805	112		197720	9.775	ug/L	98
52) Ethylbenzene	8.937	91		297903	9.208	ug/L	99
53) m,p-Xylene	9.066	106		108369	9.118	ug/L	99
54) o-Xylene	9.468	106		96671	8.404	ug/L	99
55) Styrene	9.490	104		168942	8.452	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.165	83		124972	9.317	ug/L	97
59) Bromoform	9.657	173		59108	10.506	ug/L	99
60) Isopropylbenzene	9.857	105		266717	9.340	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75		93700	9.743	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105		196188	8.809	ug/L	99
63) 1,2,4-Trimethylbenzene	10.840	105		190698	8.696	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146		138335	10.134	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146		153515	10.448	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146		134819	9.773	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75		25269	9.145	ug/L	98
69) 1,3,5-Trichlorobenzene	12.570	180		87444	9.688	ug/L	100
70) 1,2,4-trichlorobenzene	13.188	180		68970	8.934	ug/L	98
71) Naphthalene	13.426	128		206611	7.594	ug/L	98
72) 1,2,3-Trichlorobenzene	13.667	180		73340	9.069	ug/L	98

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

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