

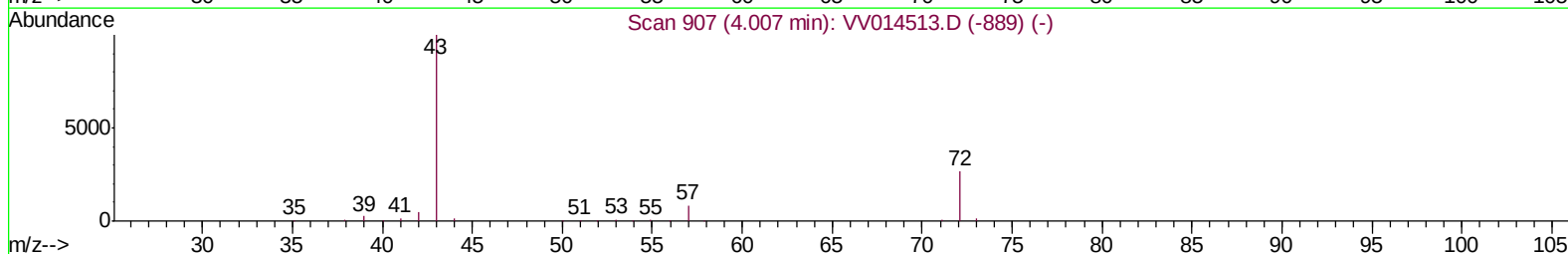
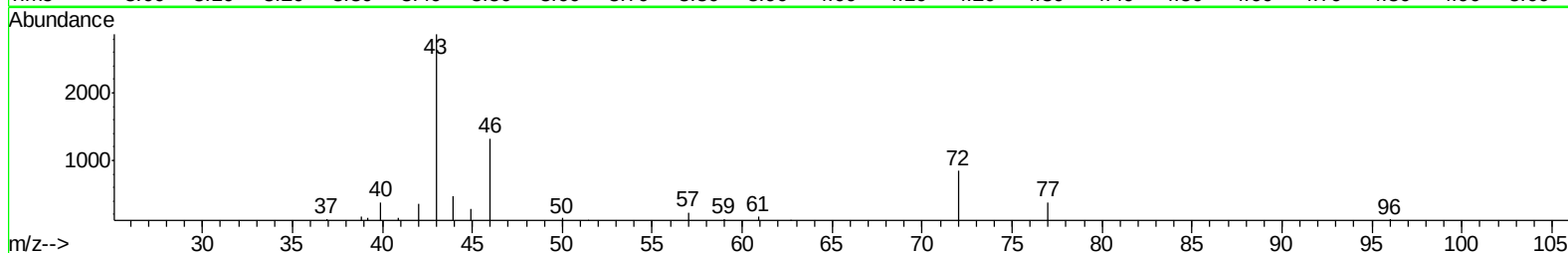
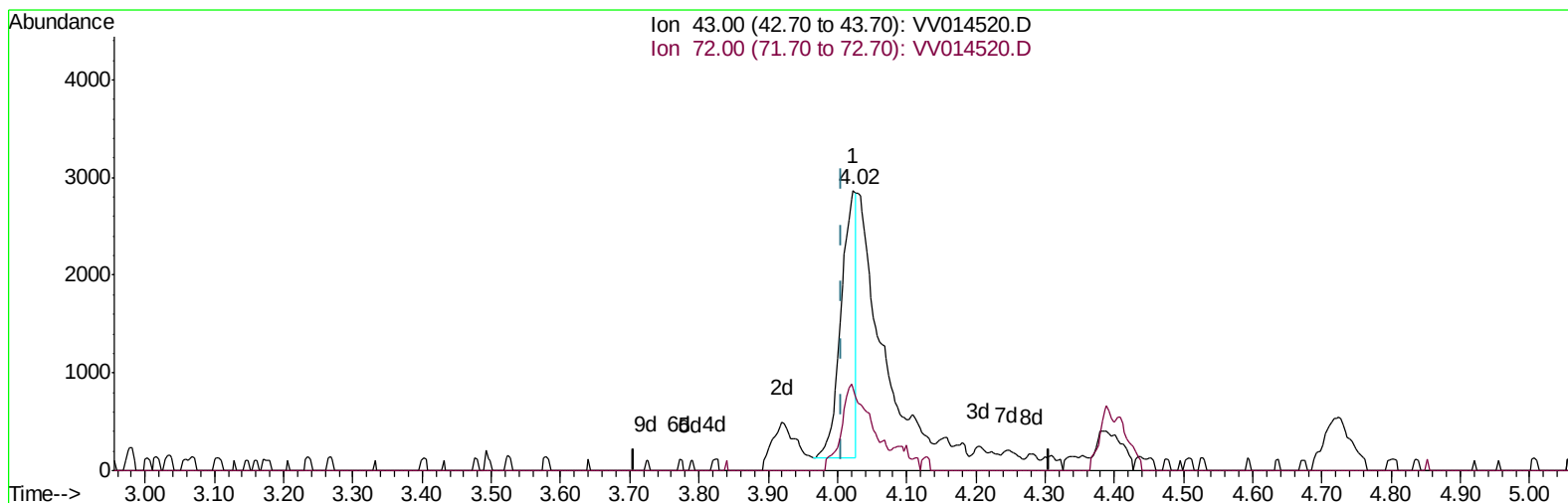
Data File : VV014520.D
Acq On : 06 Feb 2020 15:38
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
2/7/2020 1:23:54 PM

Quant Time: Feb 07 01:40:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:37:17 2020
Response via : Initial Calibration



TIC: VV014520.D

(22) 2-Butanone (T)
4.023min (+0.016) 1.94ug/L
response 4089

Ion	Exp%	Act%
43.00	100	100
72.00	25.40	58.25#
0.00	0.00	0.00
0.00	0.00	0.00

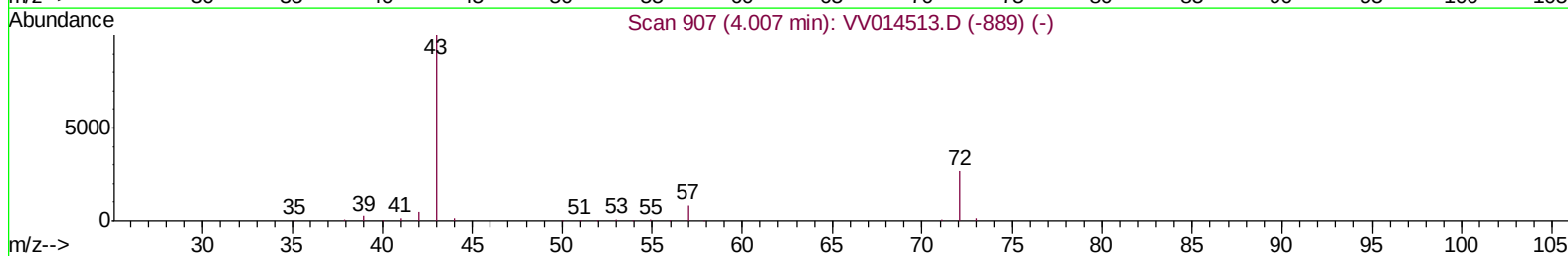
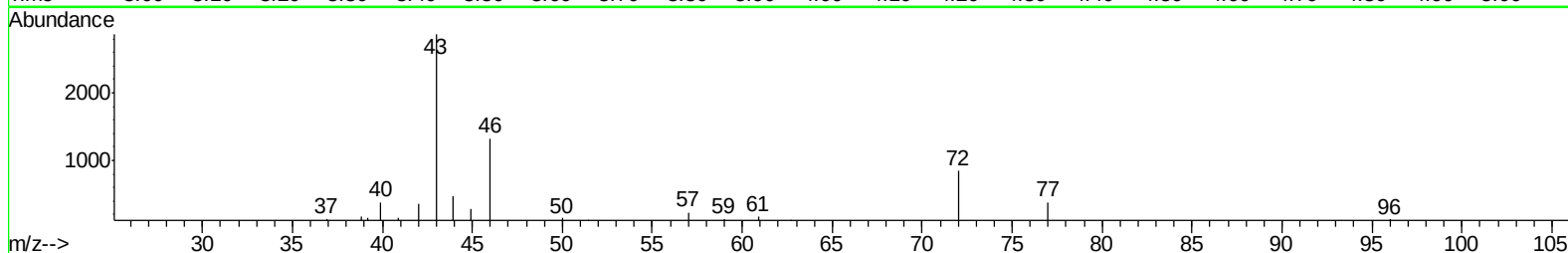
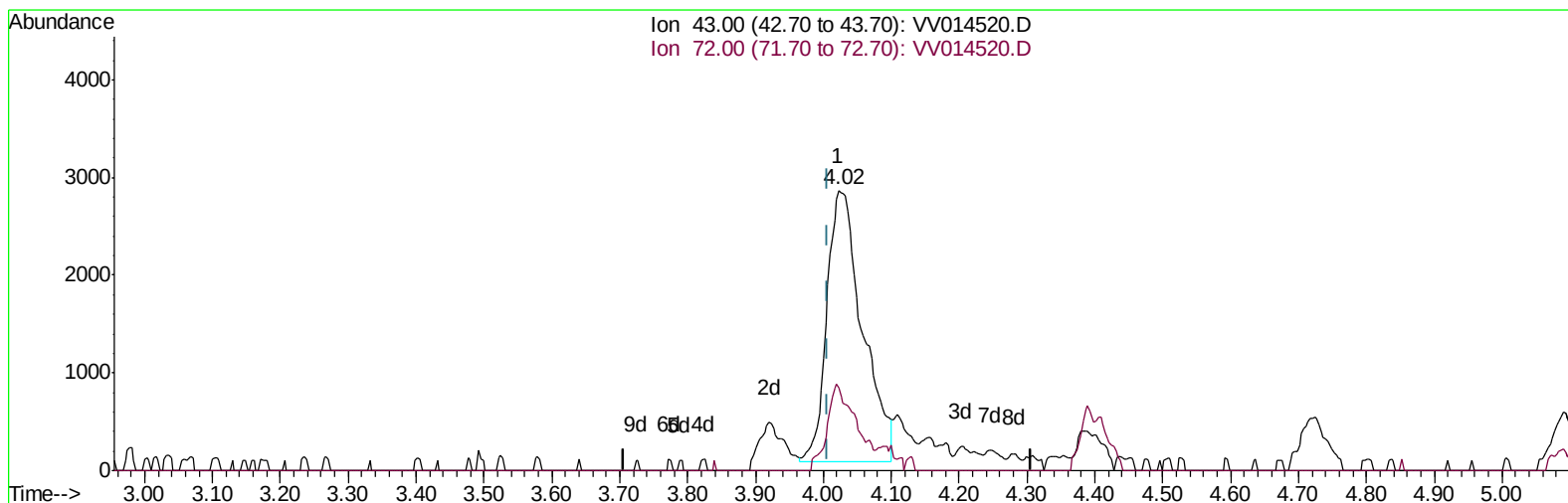
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TIC: VV014520.D

(22) 2-Butanone (T)
4.023min (+0.016) 4.75ug/L m
response 10035

Ion	Exp%	Act%
43.00	100	100
72.00	25.40	23.74
0.00	0.00	0.00
0.00	0.00	0.00

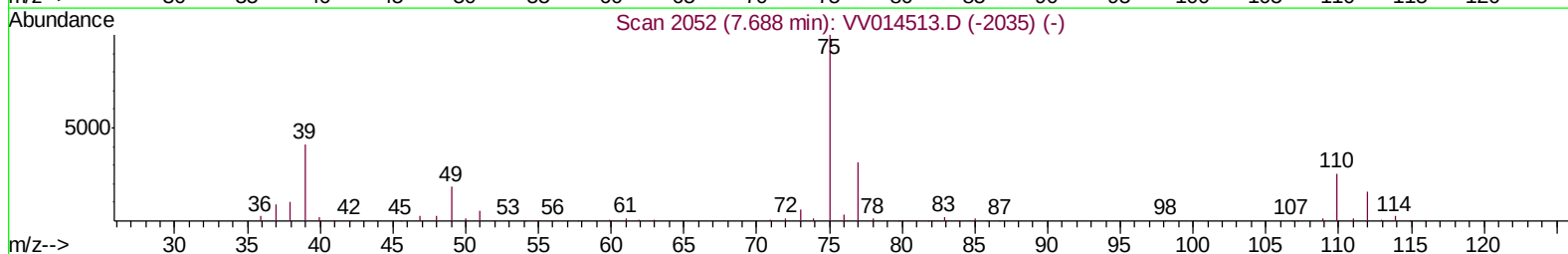
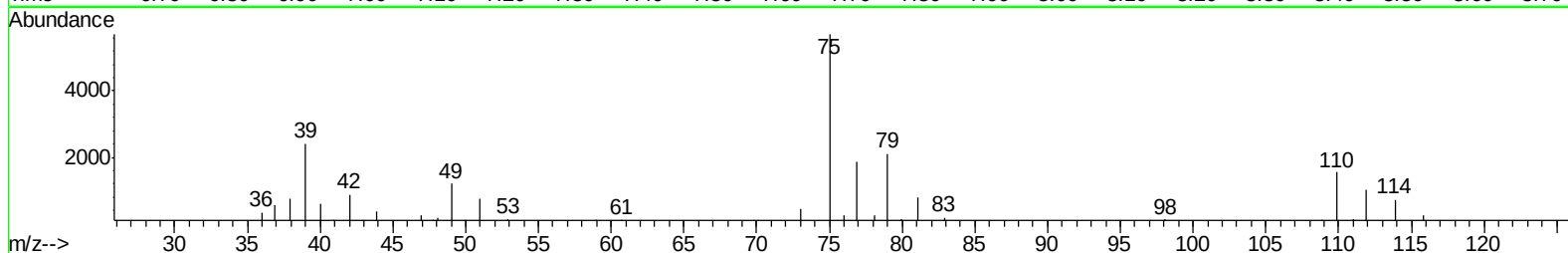
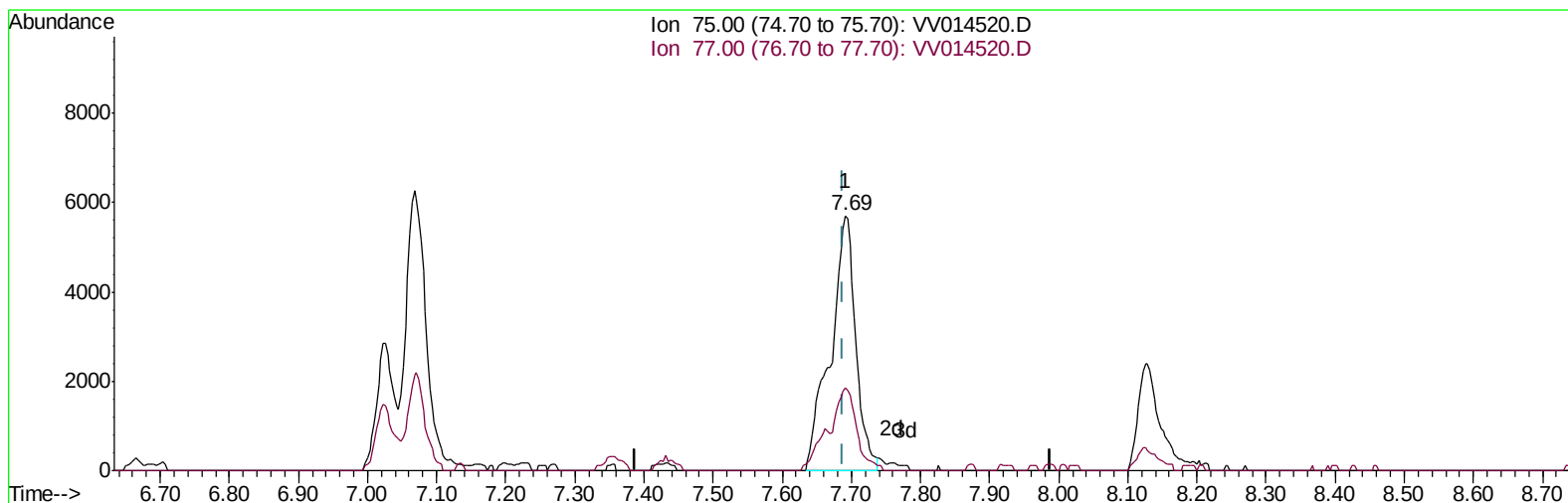
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TIC: VV014520.D

(44) trans-1,3-Dichloropropene (T)

7.691min (+0.003) 3.42ug/L

response 14407

Ion	Exp%	Act%
75.00	100	100
77.00	31.70	32.74
0.00	0.00	0.00
0.00	0.00	0.00

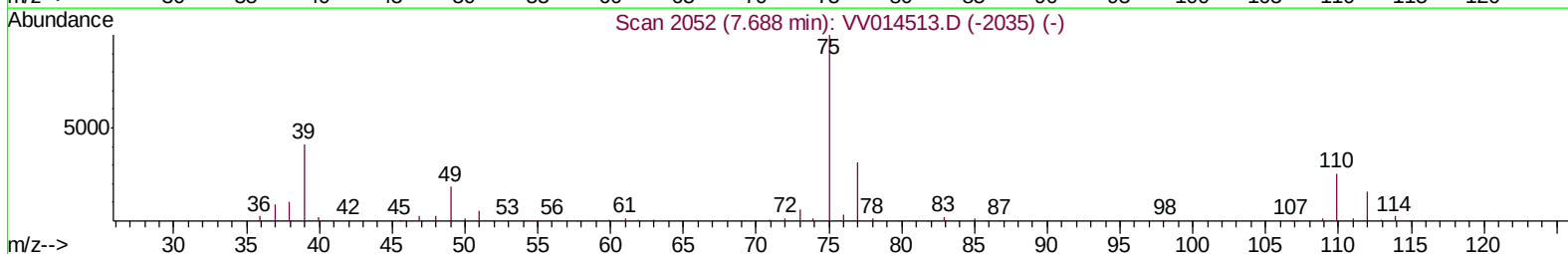
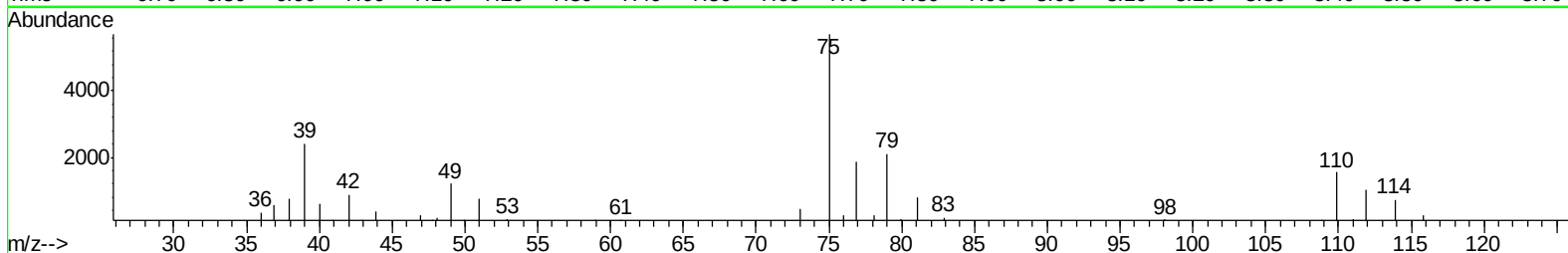
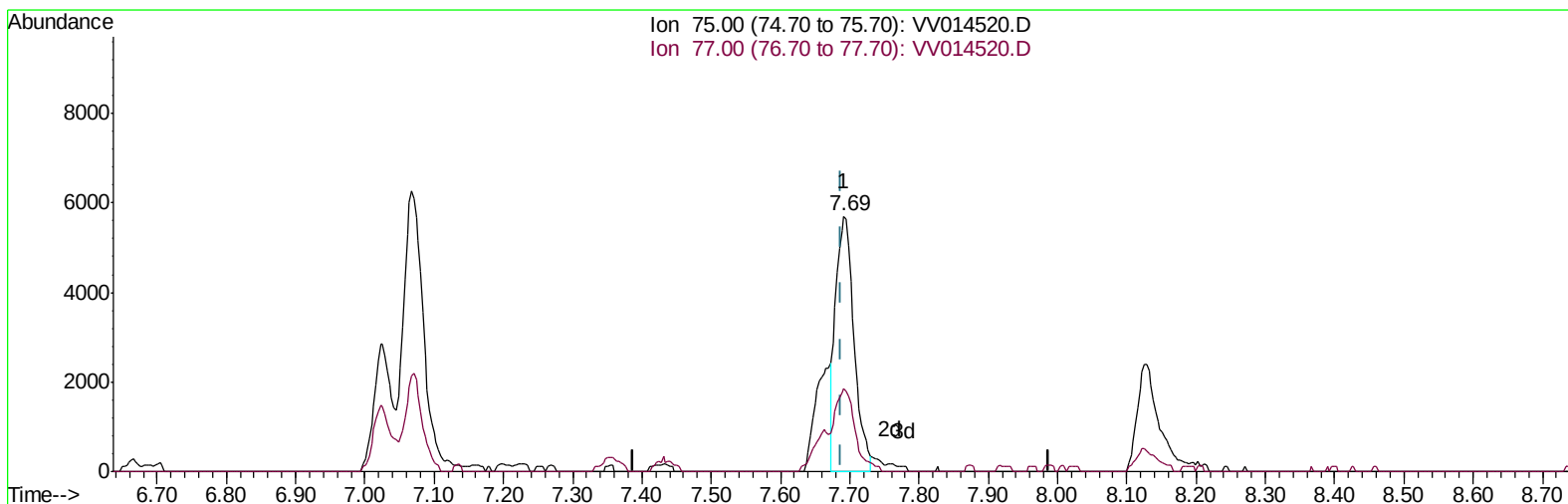
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TIC: VV014520.D

(44) trans-1,3-Dichloropropene (T)

7.691min (+0.003) 2.51ug/L m

response 10558

Ion	Exp%	Act%
75.00	100	100
77.00	31.70	32.74
0.00	0.00	0.00
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	407391	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	376125	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	192971	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104124	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.26%
7) Chloroethane-d5	1.58	69	74983	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.50%
11) 1,1-Dichloroethene-d2	2.13	63	124895	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.46%
21) 2-Butanone-d5	3.92	46	163039	95.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.60%
24) Chloroform-d	4.40	84	238266	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.08	65	150595	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
32) Benzene-d6	5.09	84	514094	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.11	67	161922	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.40%
41) Toluene-d8	7.35	98	477530	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%
43) trans-1,3-Dichloropropene-	7.66	79	84060	49.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.18%
47) 2-Hexanone-d5	8.13	63	124754	91.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.82%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	200913	48.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.88%
66) 1,2-Dichlorobenzene-d4	11.67	152	182118	49.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.42%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8939	2.739 ug/L	99
3) Chloromethane	1.26	50	9017	2.729 ug/L	98
5) Vinyl chloride	1.33	62	6818	2.694 ug/L #	69
6) Bromomethane	1.54	94	2917	2.506 ug/L	97
8) Chloroethane	1.60	64	3403	2.706 ug/L	99
9) Trichlorofluoromethane	1.77	101	9193	2.696 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5191	3.171 ug/L	92
12) 1,1-Dichloroethene	2.14	96	4947	3.159 ug/L #	1
13) Acetone	2.18	43	8120	5.687 ug/L	99
14) Carbon disulfide	2.32	76	20984	2.760 ug/L	99
15) Methyl Acetate	2.46	43	7309	2.662 ug/L	97
16) Methylene chloride	2.54	84	8350	2.808 ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	7866	2.851 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	22477	2.573 ug/L	95
19) 1,1-Dichloroethane	3.23	63	13063	2.648 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	7998	2.576 ug/L	99
22) 2-Butanone	4.02	43	10035m	4.752 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	3557	2.420	ug/L #	92
25) Chloroform	4.43	83	17689	3.527	ug/L	97
27) 1,2-Dichloroethane	5.18	62	10277	2.750	ug/L	99
29) Cyclohexane	4.73	56	11929	2.579	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	11100	2.586	ug/L #	66
31) Carbon tetrachloride	4.87	117	9870	2.606	ug/L	98
33) Benzene	5.15	78	29587	2.676	ug/L	100
34) Trichloroethene	5.96	95	7811	2.665	ug/L	96
35) Methylcyclohexane	6.17	83	12299	2.568	ug/L	98
37) 1,2-Dichloropropane	6.22	63	7888	2.801	ug/L	98
38) Bromodichloromethane	6.55	83	9874	2.612	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	11585	2.466	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	17117	4.703	ug/L	97
42) Toluene	7.43	91	32482	2.740	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	10558m	2.506	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	7293	2.699	ug/L	93
46) Tetrachloroethene	8.02	164	5947	2.660	ug/L	96
48) 2-Hexanone	8.18	43	14254	5.087	ug/L	94
49) Dibromochloromethane	8.28	129	7814	2.561	ug/L	97
50) 1,2-Dibromoethane	8.39	107	7190	2.457	ug/L #	99
51) Chlorobenzene	8.92	112	20731	2.677	ug/L	97
52) Ethylbenzene	9.05	91	34048	2.561	ug/L	97
53) m,p-Xylene	9.18	106	12538	2.448	ug/L	95
54) o-Xylene	9.58	106	12535	2.557	ug/L	95
55) Styrene	9.60	104	21415	2.556	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.28	83	12286	2.901	ug/L	97
59) Bromoform	9.77	173	5326	2.475	ug/L #	91
60) Isopropylbenzene	9.97	105	32467	2.488	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	8848	2.589	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	27278	2.442	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	26340	2.392	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	15335	2.491	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	16569	2.615	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	16336	2.737	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.47	75	2478	2.589	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	11054	2.549	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	9829	2.469	ug/L	98
71) Naphthalene	13.55	128	33177	2.537	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	9539	2.466	ug/L	96

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

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