

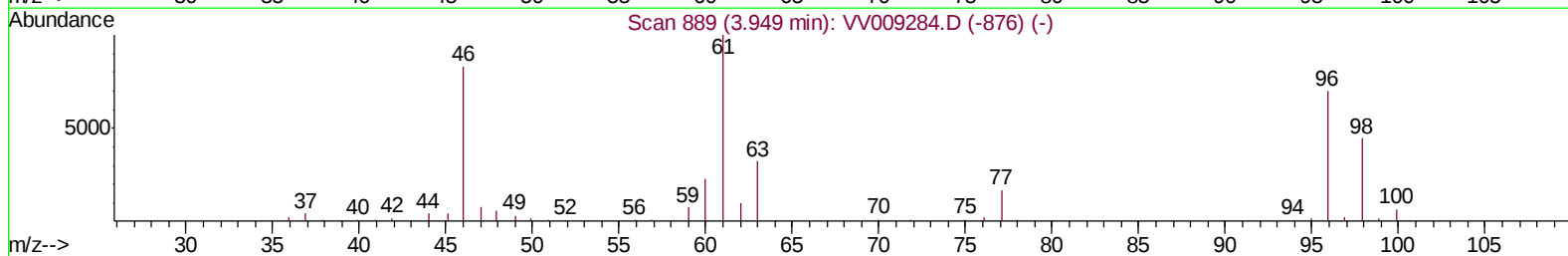
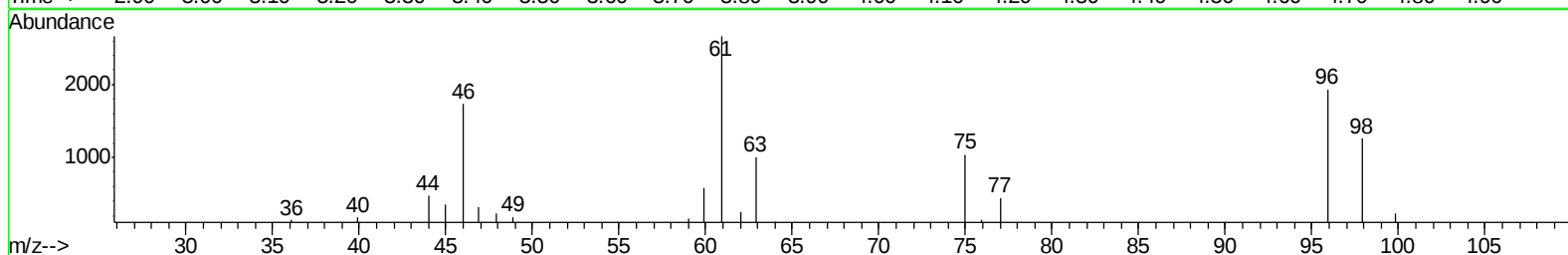
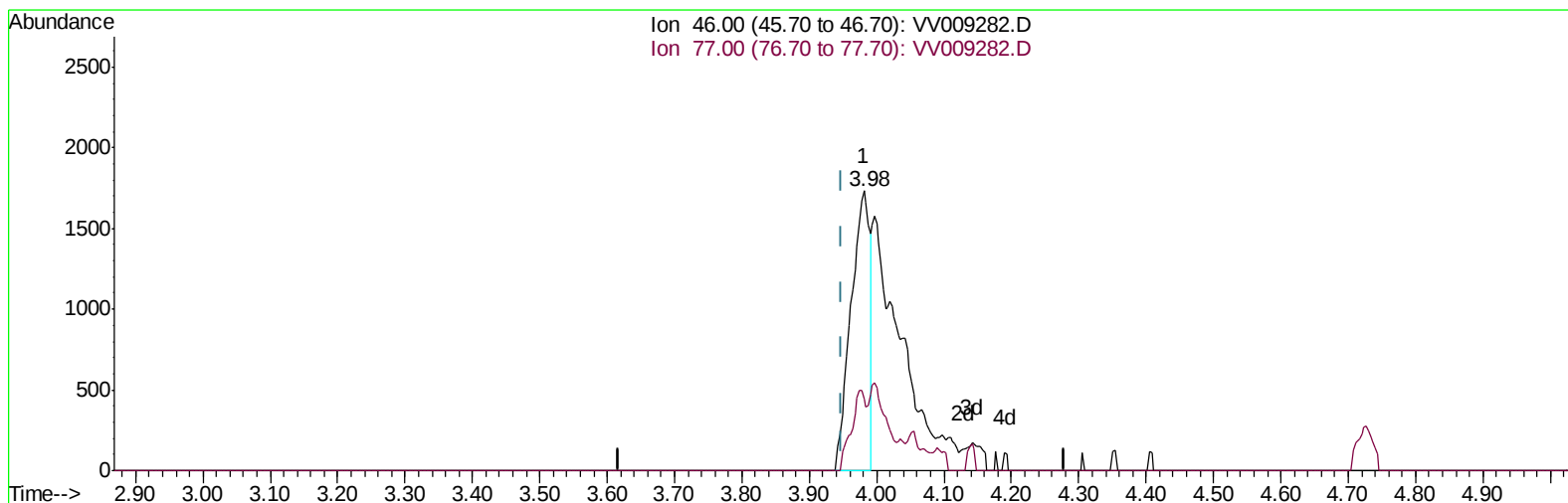
Data File : VV009282.D
Acq On : 12 Feb 2019 12:20
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations
APPROVED

mohammad
2/16/2019 1:24:43 AM

Quant Time: Feb 13 07:18:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021219S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 07:15:20 2019
Response via : Initial Calibration



TIC: VV009282.D

(20) 2-Butanone-d5 (S)

3.981min (+0.032) 3.40ug/L

response 3321

Ion	Exp%	Act%
46.00	100	100
77.00	21.50	22.07
0.00	0.00	0.00
0.00	0.00	0.00

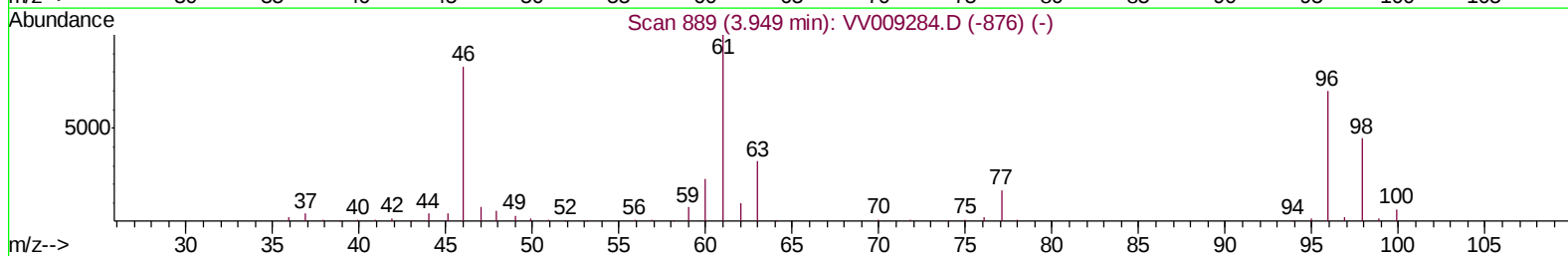
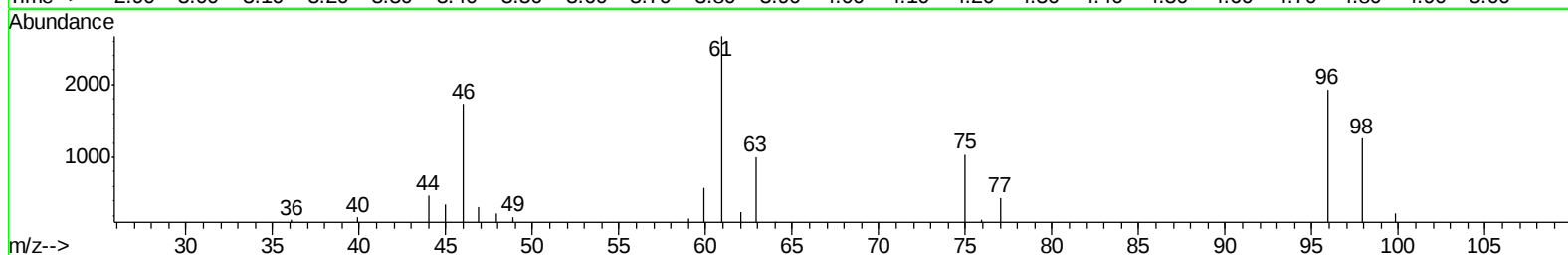
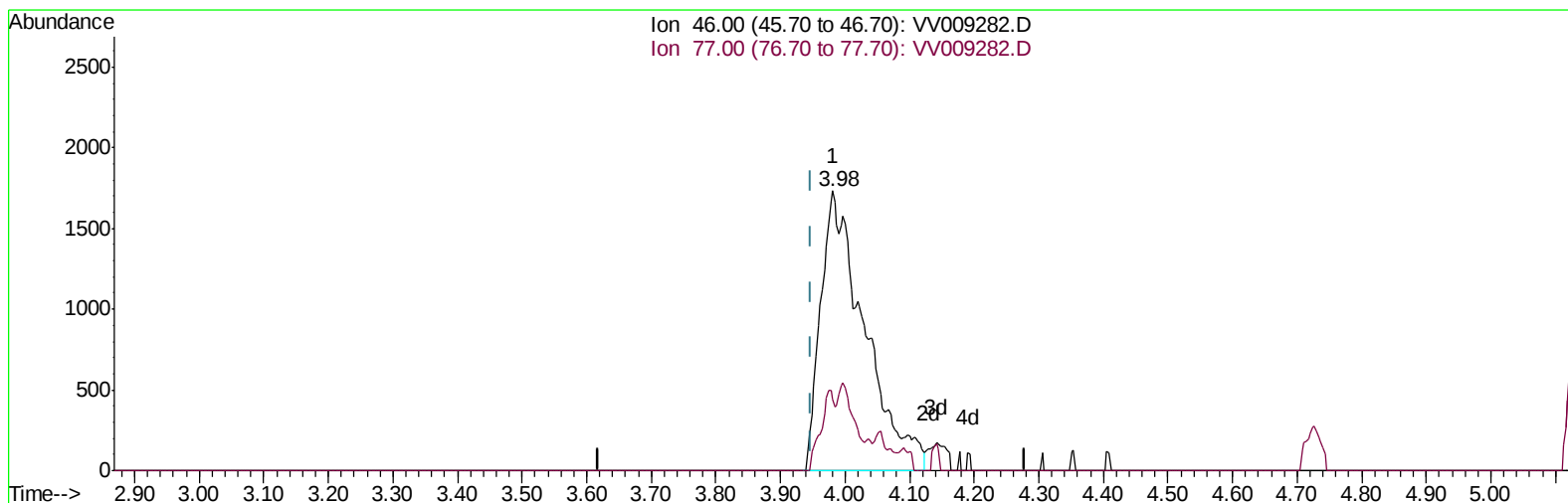
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(20) 2-Butanone-d5 (S)

3.981min (+0.032) 8.37ug/L m

response 8171

Ion	Exp%	Act%
46.00	100	100
77.00	21.50	8.97#
0.00	0.00	0.00
0.00	0.00	0.00

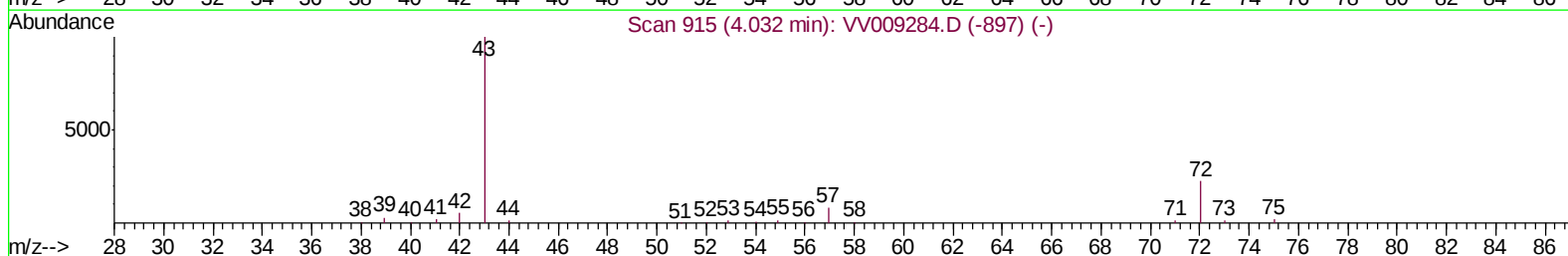
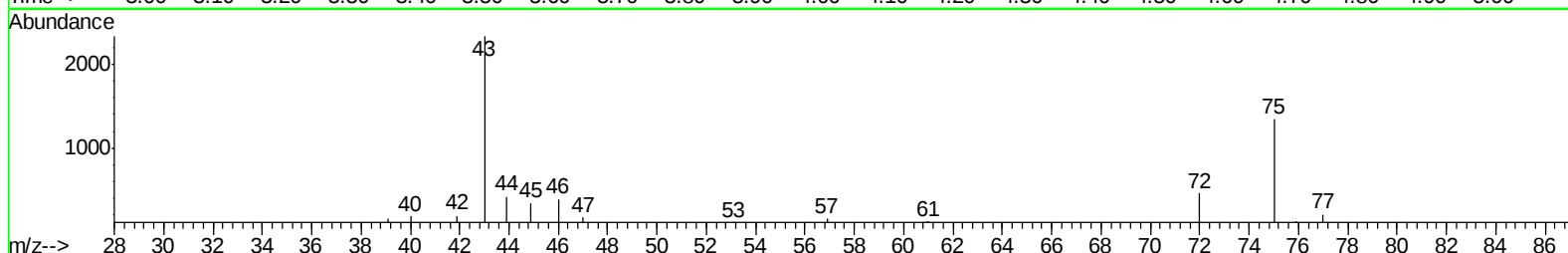
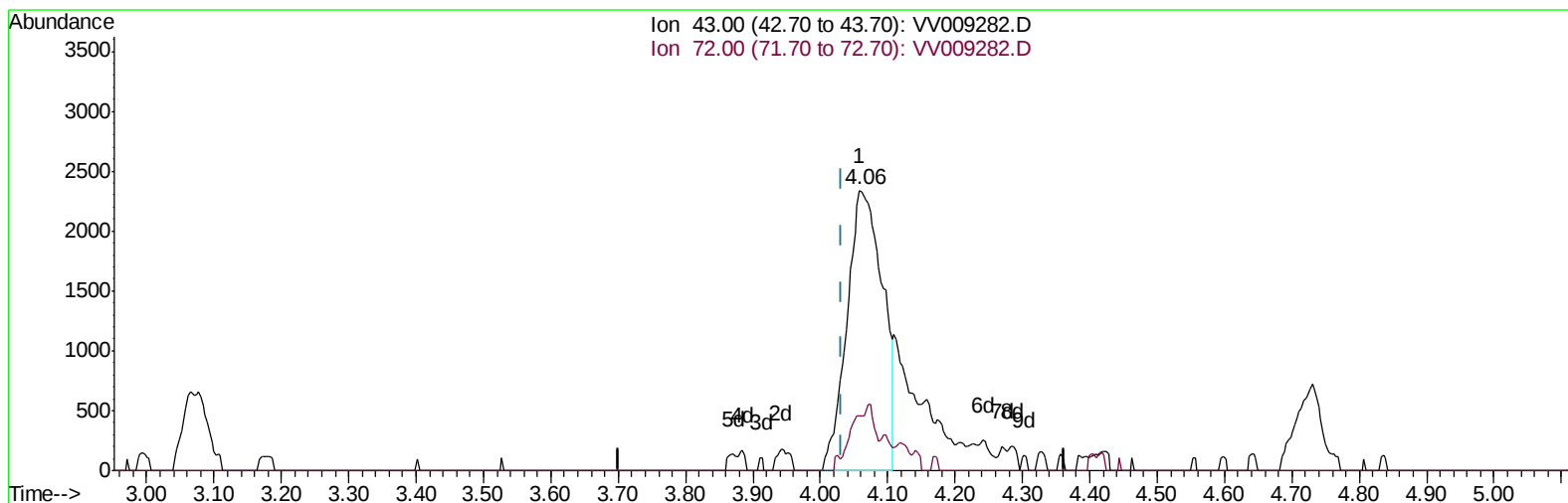
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TIC: VV009282.D

(21) 2-Butanone

4.058min (+0.026) 5.99ug/L

response 8551

Ion	Exp%	Act%
43.00	100	100
72.00	21.10	2.70#
0.00	0.00	0.00
0.00	0.00	0.00

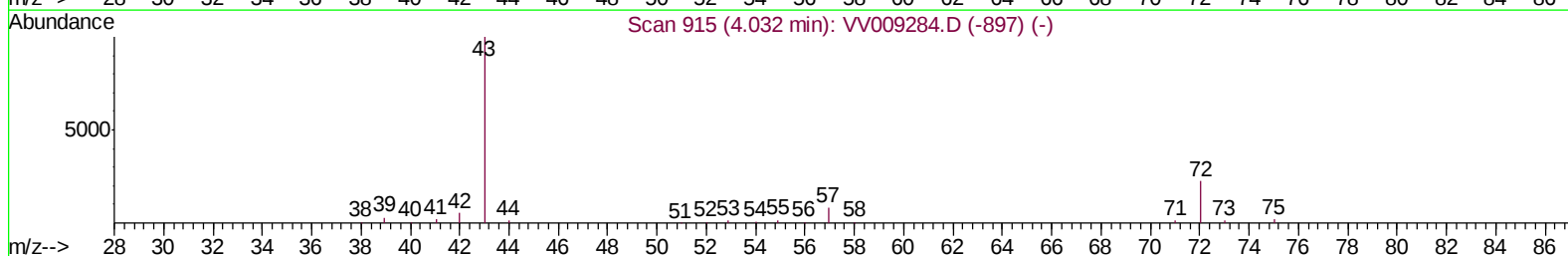
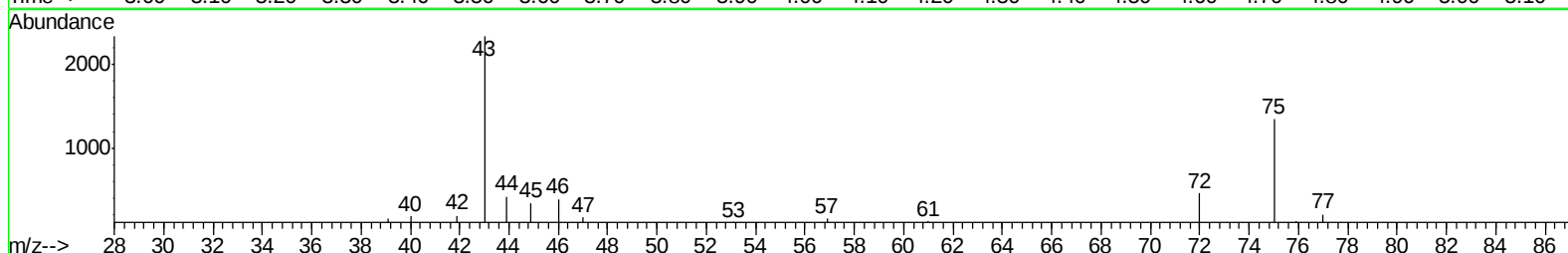
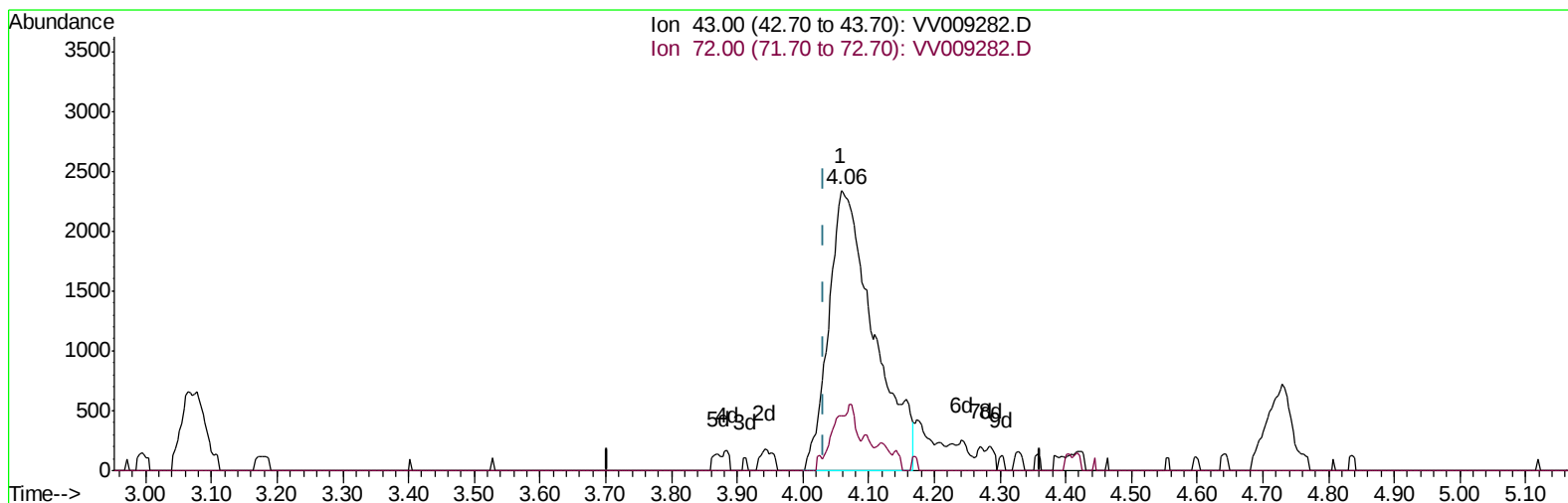
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Manual Integrations
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TIC: VV009282.D

(21) 2-Butanone

4.058min (+0.026) 7.79ug/L m

response 11108

Ion	Exp%	Act%
43.00	100	100
72.00	21.10	2.08#
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	203779	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193958	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	91863	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9504	4.51	ug/L	0.00
7) Chloroethane-d5	1.58	69	6898	4.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	19623	3.65	ug/L	0.00
20) 2-Butanone-d5	3.98	46	8171m	8.37	ug/L	0.03
24) Chloroform-d	4.40	84	16036	3.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9765	3.51	ug/L	0.00
29) Benzene-d6	5.10	84	30092	2.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	9704	3.30	ug/L	0.00
37) Toluene-d8	7.36	98	26163	2.77	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	4054	2.86	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	3729	6.16	ug/L	0.02
48) 1,1,2,2-Tetrachloroethane-	10.26	84	9312	3.20	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	8725	2.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11437	3.414 ug/L	98
3) Chloromethane	1.25	50	12160	4.845 ug/L	100
5) Vinyl chloride	1.32	62	11029	4.302 ug/L #	77
6) Bromomethane	1.54	94	6243	3.680 ug/L	94
8) Chloroethane	1.60	64	6426	4.396 ug/L	87
9) Trichlorofluoromethane	1.77	101	14263	3.138 ug/L	91
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8768	3.116 ug/L	93
12) 1,1-Dichloroethene	2.14	96	8503	3.445 ug/L	94
13) Acetone	2.23	43	12082	8.716 ug/L	99
14) Carbon disulfide	2.31	76	30959	3.755 ug/L	98
15) Methyl Acetate	2.48	43	7253	4.375 ug/L #	89
16) Methylene chloride	2.53	84	15235	5.025 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	20024	3.052 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	8961	3.200 ug/L	92
19) 1,1-Dichloroethane	3.23	63	17166	3.641 ug/L	93
21) 2-Butanone	4.06	43	11108m	7.786 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	8718	2.961 ug/L	95
23) Bromochloromethane	4.30	128	4059	2.935 ug/L #	92
25) Chloroform	4.43	83	16954	3.436 ug/L	95
27) 1,2-Dichloroethane	5.18	62	11349	3.278 ug/L #	94
30) Cyclohexane	4.72	56	14974	3.281 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	14925	3.192 ug/L #	76
32) Carbon tetrachloride	4.87	117	13035	3.069 ug/L	99
34) Benzene	5.15	78	34067	3.144 ug/L	100
35) Trichloroethene	5.96	95	9256	3.022 ug/L	94
36) Methylcyclohexane	6.17	83	15233	2.973 ug/L	99
40) 1,2-Dichloropropane	6.22	63	8435	3.106 ug/L	99
41) Bromodichloromethane	6.56	83	11706	3.210 ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	12627	3.063 ug/L	98
43) 4-Methyl-2-pentanone	7.29	43	16169	7.038 ug/L #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	33201	2.854	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	11103	3.013	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	6957	3.033	ug/L	95
47) Tetrachloroethene	8.02	164	6859	2.677	ug/L	95
49) 2-Hexanone	8.20	43	12808	6.796	ug/L #	94
50) Dibromochloromethane	8.29	129	7579	2.753	ug/L	99
51) 1,2-Dibromoethane	8.40	107	7131	3.063	ug/L #	97
52) Chlorobenzene	8.93	112	23218	2.975	ug/L	96
53) Ethylbenzene	9.06	91	37136	2.842	ug/L	97
54) m,p-Xylene	9.18	106	13303	2.674	ug/L	95
55) o-xylene	9.59	106	12930	2.741	ug/L	92
56) Styrene	9.61	104	19951	2.523	ug/L	95
57) Isopropylbenzene	9.98	105	33865	2.620	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	9996	3.362	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	7998	3.381	ug/L	98
62) Bromoform	9.78	173	4585	2.832	ug/L #	94
63) 1,3-Dichlorobenzene	11.23	146	17558	2.980	ug/L	94
64) 1,4-Dichlorobenzene	11.32	146	17632	2.932	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	15641	2.798	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	2058	3.698	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	12000	2.574	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	8578	2.298	ug/L	97
69) Naphthalene	13.56	128	14108	1.905	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	7300	2.121	ug/L	95

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

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