

Data File : VY000659.D

Acq On : 12 Nov 2019 16:23

Operator : SY/MD

Sample : MDL07

Misc : 5.00G/10ML/MSVOA_Y/SOIL

ALS Vial : 1 Sample Multiplier: 1

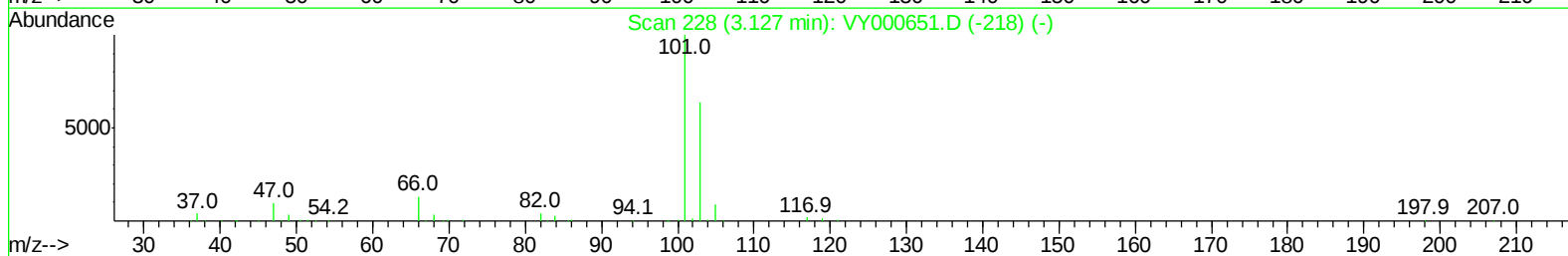
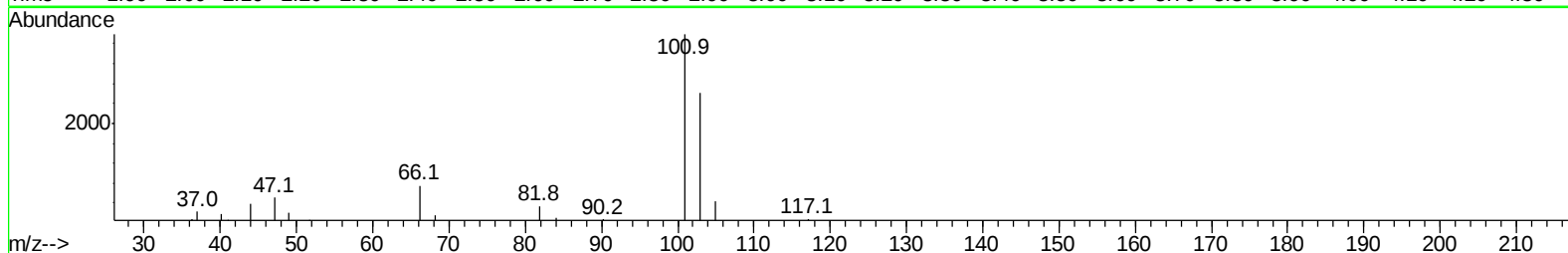
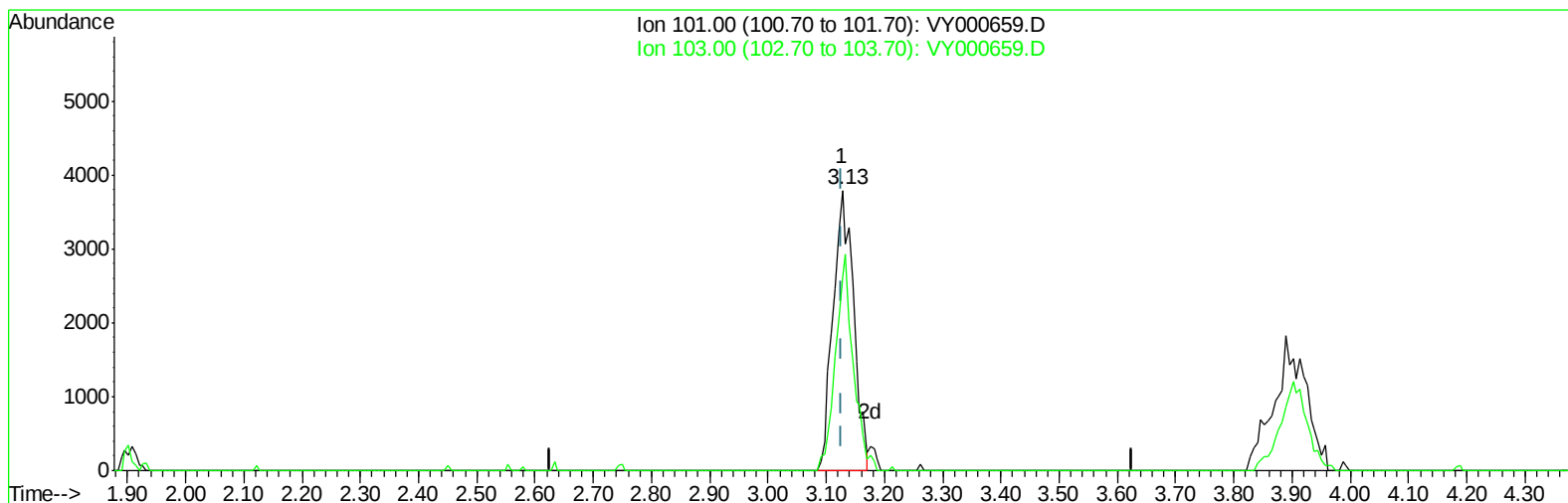
Quant Time: Nov 13 03:36:13 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 13 03:04:36 2019

Response via : Initial Calibration



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(9) Trichlorofluoromethane (T)

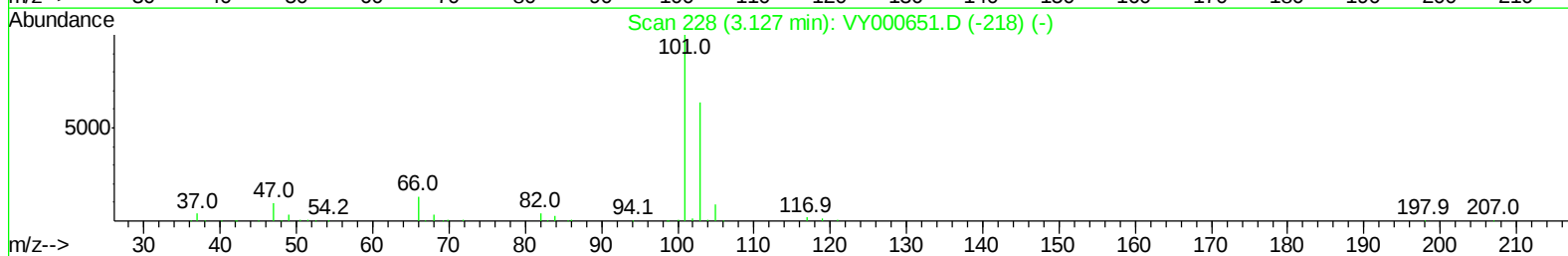
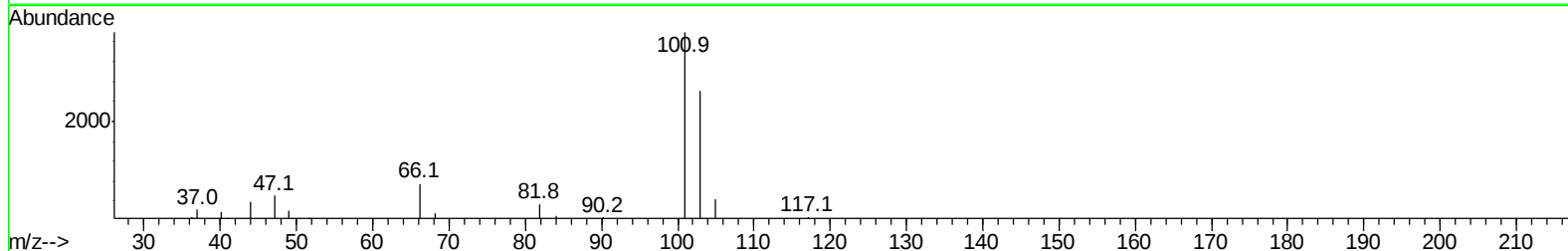
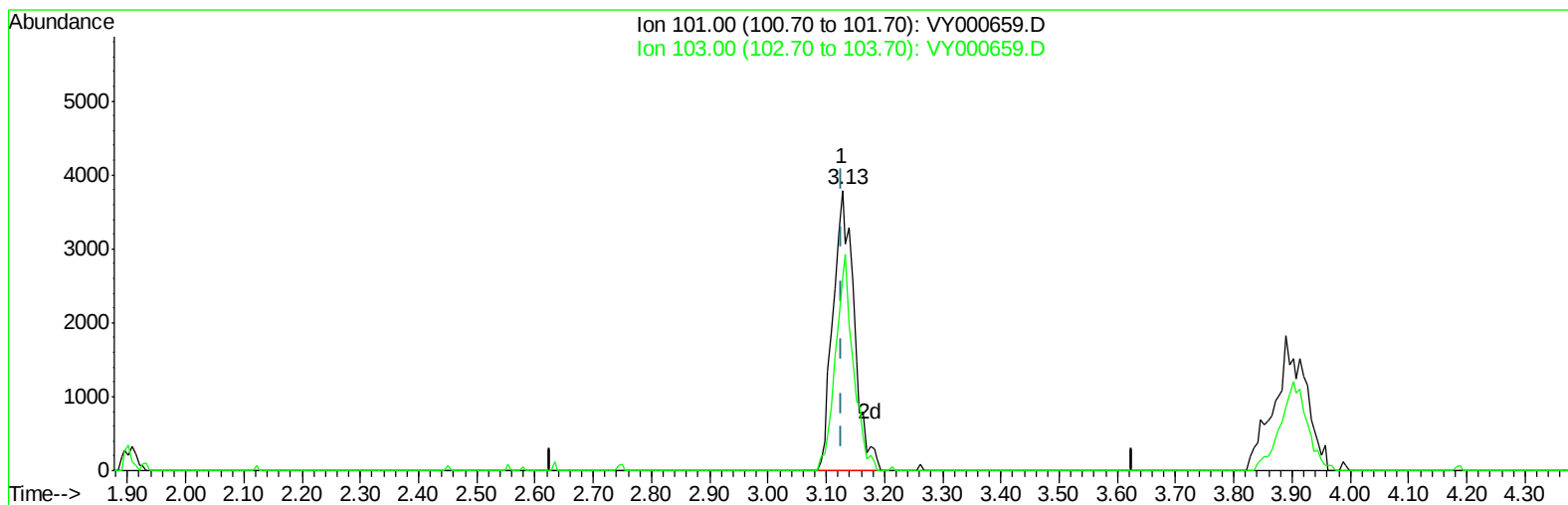
3.127min (+0.000) 1.16ug/L

response 9291

Ion	Exp%	Act%
101.00	100	100
103.00	65.40	66.06
0.00	0.00	0.00
0.00	0.00	0.00

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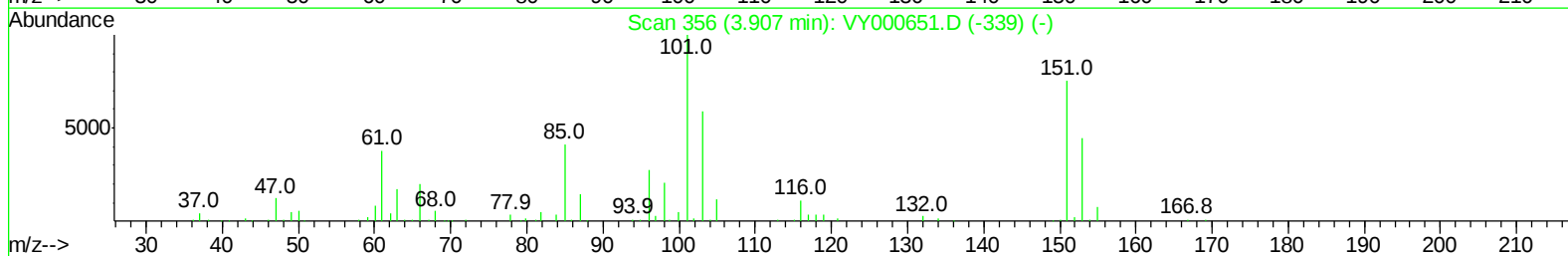
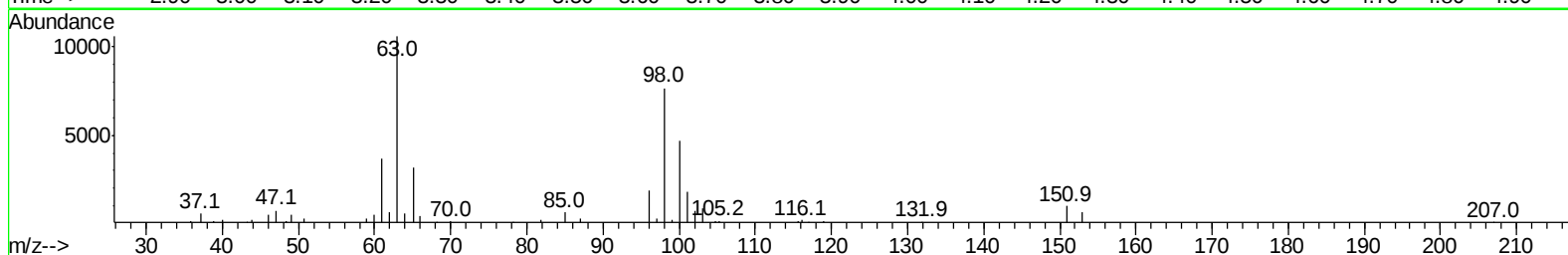
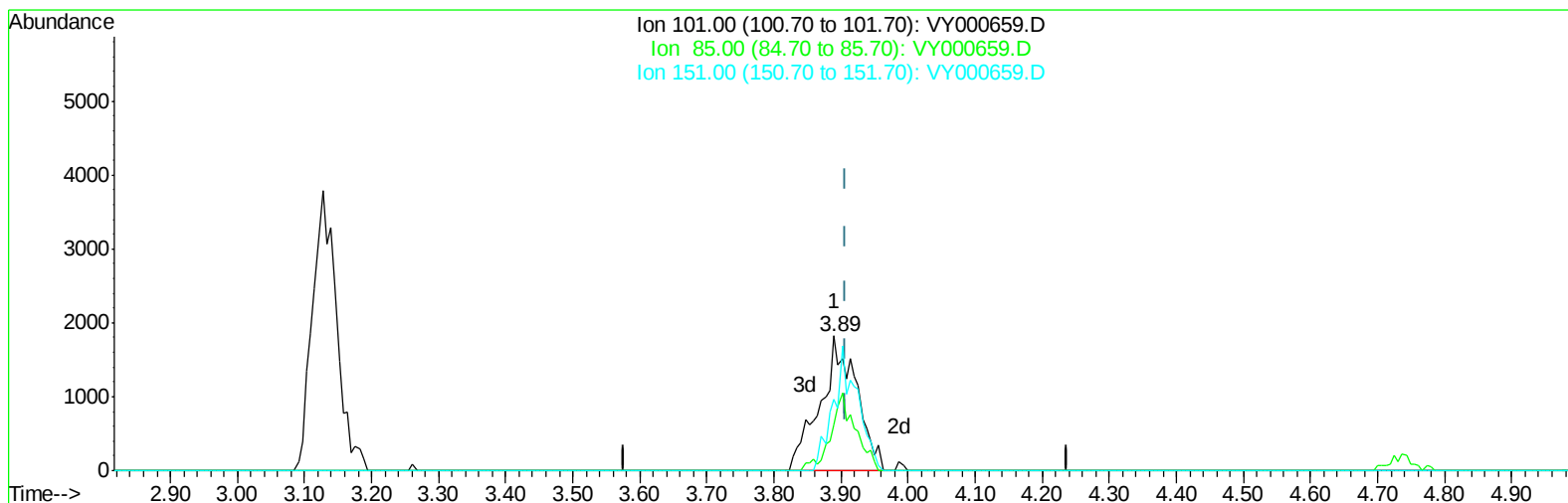
3.127min (+0.000) 1.19ug/L m

response 9572

Ion	Exp%	Act%
101.00	100	100
103.00	65.40	64.12
0.00	0.00	0.00
0.00	0.00	0.00

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(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

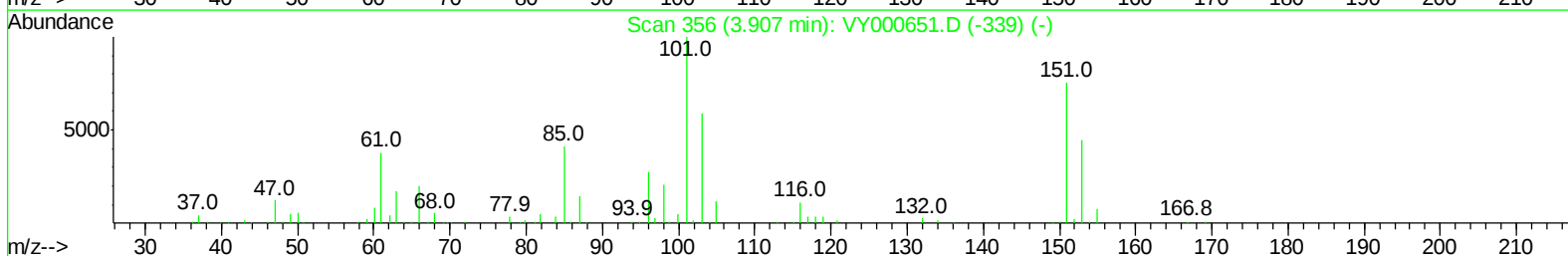
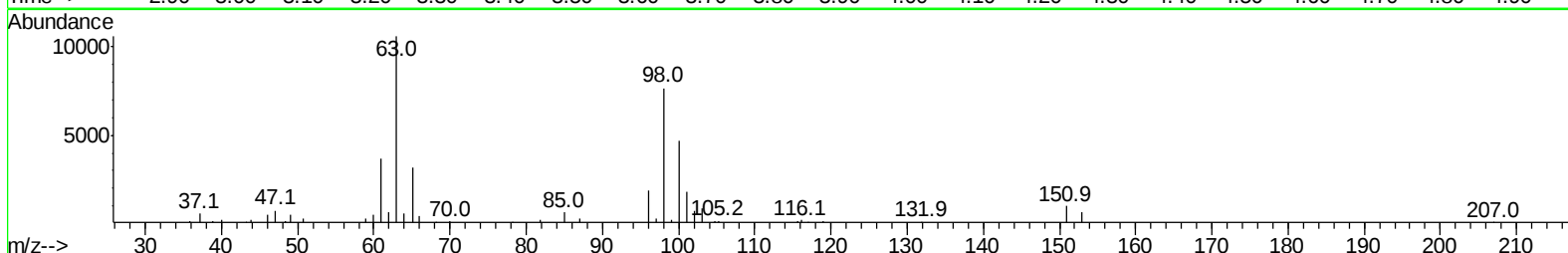
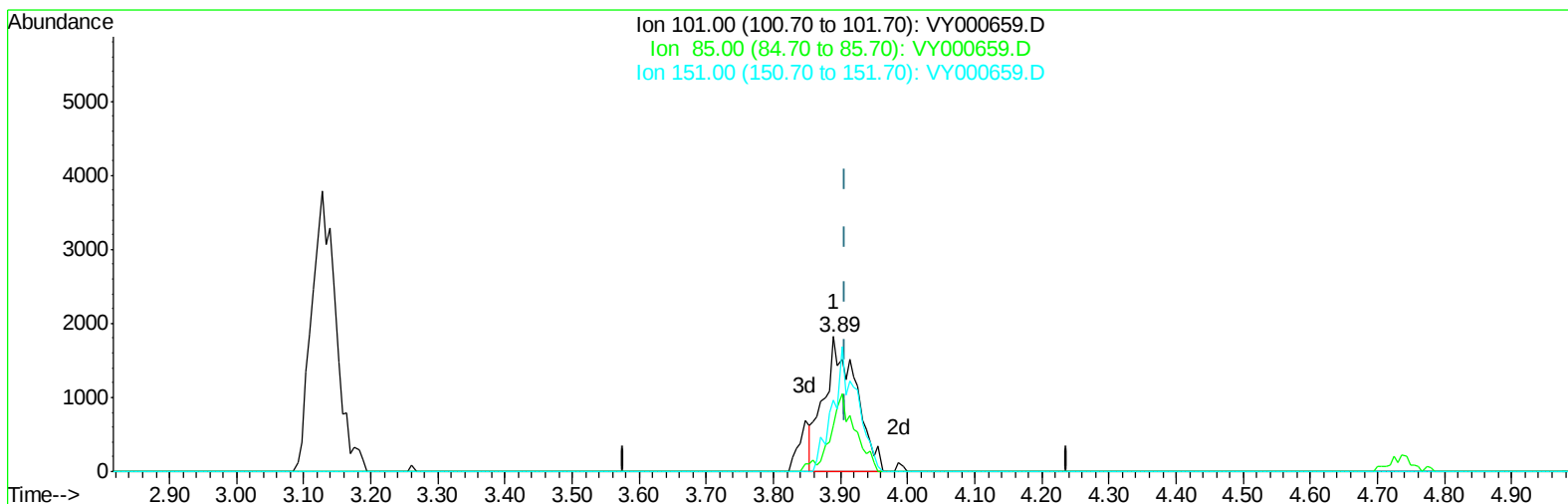
3.889min (-0.018) 1.51ug/L m

response 6876

Ion	Exp%	Act%
101.00	100	100
85.00	44.10	0.00#
151.00	77.40	19.04#
0.00	0.00	0.00

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TIC: VY000659.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.889min (-0.018) 1.34ug/L m

response 6076

Ion	Exp%	Act%
101.00	100	100
85.00	44.10	0.00#
151.00	77.40	21.54#
0.00	0.00	0.00

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Quant Time: Nov 13 10:18:03 2019
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	342170	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	318227	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	151373	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	120861	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.04%
7) Chloroethane-d5	2.76	69	110404	25.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.84%
10) 1,1-Dichloroethene-d2	3.85	63	165674	18.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.24%
20) 2-Butanone-d5	6.91	46	105165	52.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.48%
24) Chloroform-d	7.49	84	217382	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	8.15	65	130187	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.12	84	461015	24.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.80%
33) 1,2-Dichloropropane-d6	9.13	67	144679	24.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.92%
37) Toluene-d8	10.18	98	420598	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.44%
38) trans-1,3-Dichloropropene-	10.44	79	67409	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.80%
39) 2-Hexanone-d5	10.79	63	81656	52.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.32%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	134966	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.84%
61) 1,2-Dichlorobenzene-d4	13.72	152	149397	24.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	5956	1.317 ug/L	97
3) Chloromethane	2.12	50	6949	1.226 ug/L	96
5) Vinyl chloride	2.25	62	7070	1.250 ug/L #	53
6) Bromomethane	2.66	94	3725	1.206 ug/L	99
8) Chloroethane	2.80	64	4309	1.215 ug/L #	64
9) Trichlorofluoromethane	3.13	101	9572m	1.195 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	3.89	101	6076m	1.337 ug/L	
12) 1,1-Dichloroethene	3.87	96	6610m	1.490 ug/L	
13) Acetone	3.96	43	5980	4.099 ug/L	98
14) Carbon disulfide	4.19	76	14528	1.061 ug/L	97
15) Methyl Acetate	4.49	43	4175	1.249 ug/L #	65
16) Methylene chloride	4.72	84	12977	2.297 ug/L	87
17) Methyl tert-butyl Ether	5.23	73	15230	1.128 ug/L #	94
18) trans-1,2-Dichloroethene	5.24	96	5609	1.132 ug/L	83
19) 1,1-Dichloroethane	6.03	63	10213	1.171 ug/L	95
21) 2-Butanone	7.00	43	8845	3.442 ug/L #	56
22) cis-1,2-Dichloroethene	6.99	96	6940	1.266 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.36	128	3251m	1.359	ug/L	
25) Chloroform	7.52	83	17857	1.900	ug/L	83
27) 1,2-Dichloroethane	8.25	62	7742	1.232	ug/L	100
30) Cyclohexane	7.80	56	9610	1.107	ug/L #	31
31) 1,1,1-Trichloroethane	7.71	97	8747m	1.116	ug/L	
32) Carbon tetrachloride	7.91	117	8045	1.177	ug/L	98
34) Benzene	8.17	78	23266	1.118	ug/L	100
35) Trichloroethene	8.94	95	6552m	1.201	ug/L	
36) Methylcyclohexane	9.19	83	10823	1.159	ug/L	97
40) 1,2-Dichloropropane	9.23	63	6683	1.268	ug/L #	96
41) Bromodichloromethane	9.50	83	8326	1.227	ug/L	87
42) cis-1,3-Dichloropropene	9.93	75	9624m	1.133	ug/L	
43) 4-Methyl-2-pentanone	10.08	43	13519	2.681	ug/L	97
44) Toluene	10.25	91	26066	1.159	ug/L	97
45) trans-1,3-Dichloropropene	10.47	75	8515m	1.167	ug/L	
46) 1,1,2-Trichloroethane	10.65	97	5611	1.297	ug/L #	80
47) Tetrachloroethene	10.72	164	4723	1.159	ug/L	90
49) 2-Hexanone	10.84	43	10618	2.703	ug/L #	92
50) Dibromochloromethane	10.98	129	5428	1.111	ug/L	88
51) 1,2-Dibromoethane	11.09	107	5030	1.195	ug/L #	98
52) Chlorobenzene	11.51	112	17444	1.222	ug/L	89
53) Ethylbenzene	11.59	91	28561	1.122	ug/L	95
54) m,p-Xylene	11.70	106	10907	1.133	ug/L	94
55) o-xylene	12.03	106	10038	1.062	ug/L	80
56) Styrene	12.05	104	16776	1.068	ug/L	81
57) Isopropylbenzene	12.33	105	26816	1.091	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	6658	1.234	ug/L #	80
59) 1,2,3-Trichloropropane	12.63	75	5391	1.229	ug/L	93
62) Bromoform	12.21	173	2970	1.033	ug/L #	85
63) 1,3-Dichlorobenzene	13.37	146	12301	1.139	ug/L	91
64) 1,4-Dichlorobenzene	13.45	146	13510	1.252	ug/L	94
65) 1,2-Dichlorobenzene	13.74	146	12314	1.231	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.36	75	1204	1.267	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.50	180	8749	1.162	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	8147	1.211	ug/L	95
69) Naphthalene	15.23	128	19787	1.180	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	8214	1.313	ug/L	96

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

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