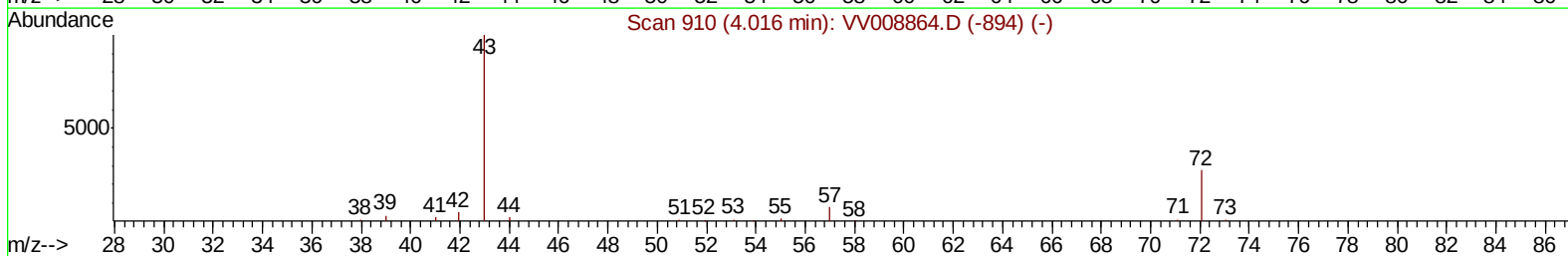
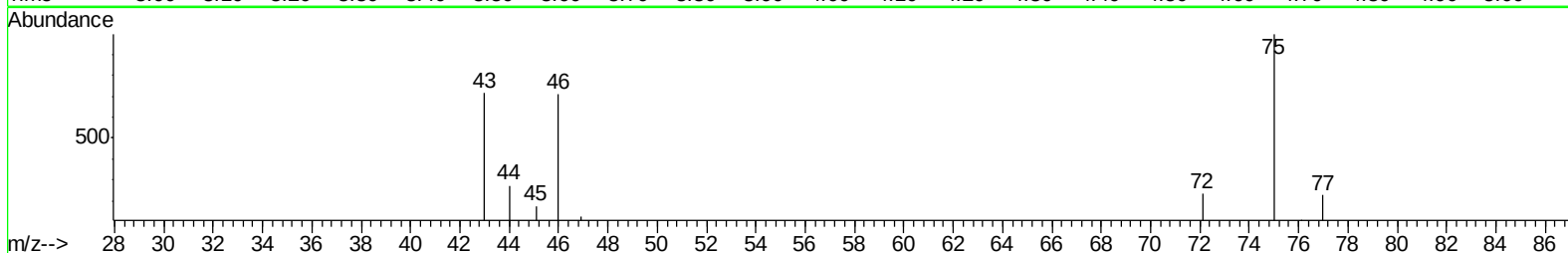
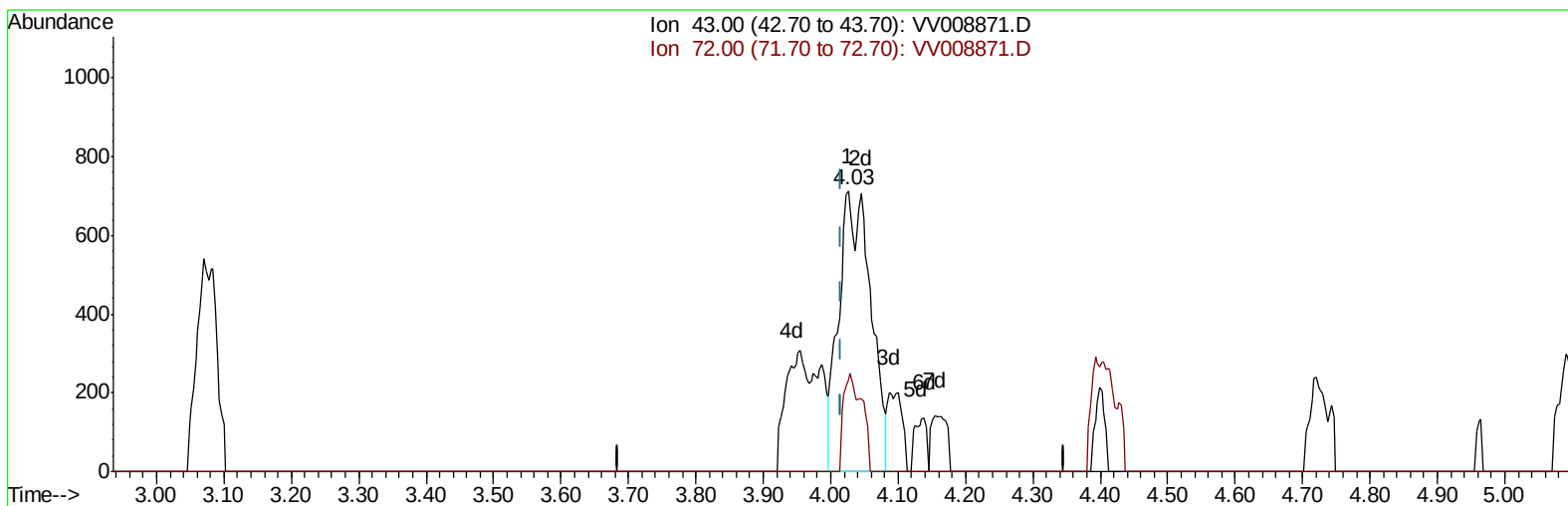


Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120618\
Data File : VV008871.D
Acq On : 06 Dec 2018 22:36
Operator : SY/MD
Sample : MDL06
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 07 02:04:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 01:37:11 2018
Response via : Initial Calibration



TIC: VV008871.D

(21) 2-Butanone

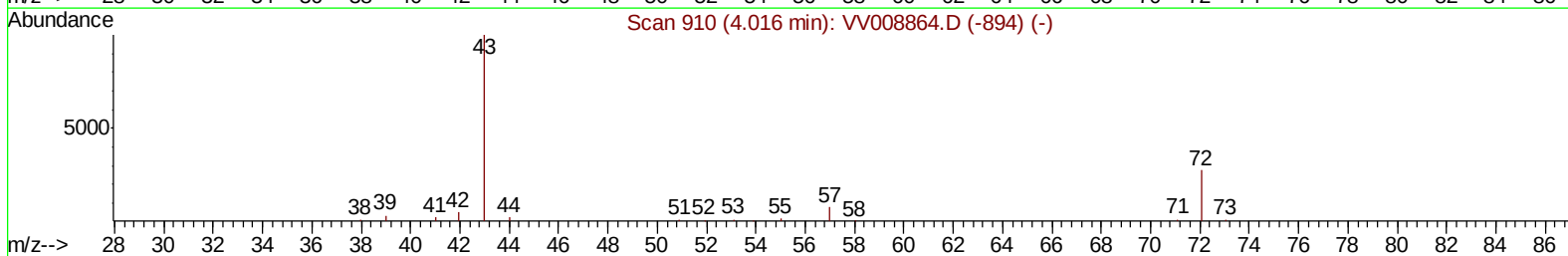
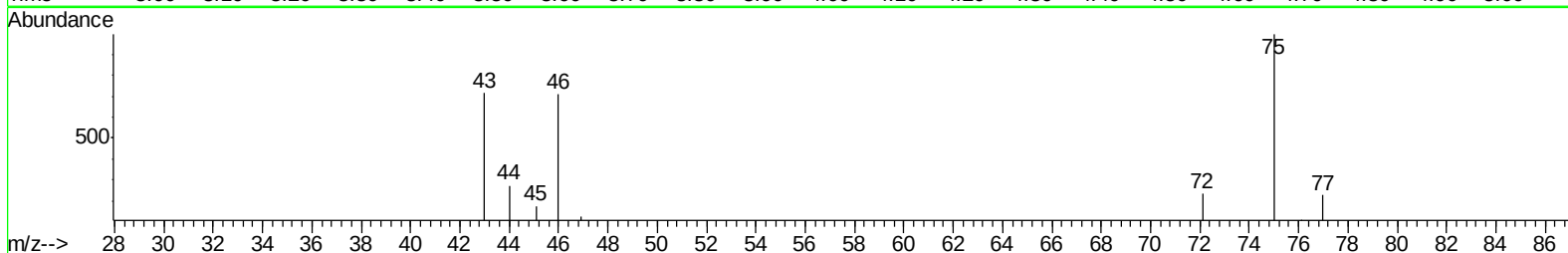
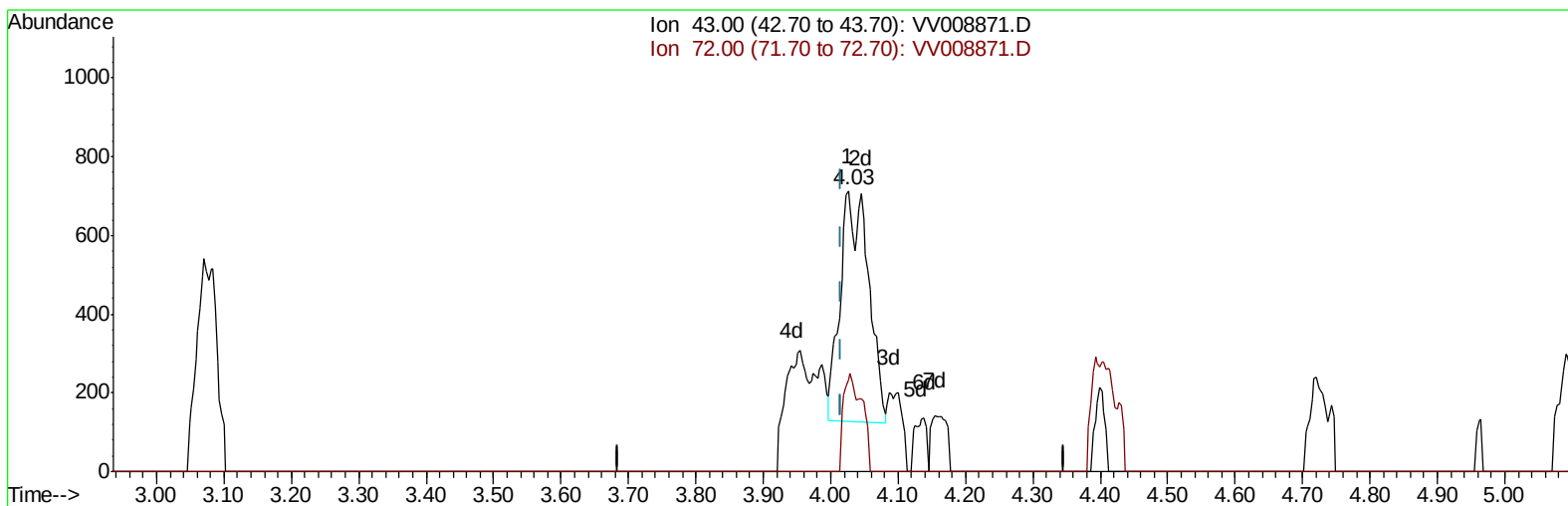
4.026min (+0.010) 2.30ug/L m

response 2332

Ion	Exp%	Act%
43.00	100	100
72.00	27.40	13.68#
0.00	0.00	0.00
0.00	0.00	0.00

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TIC: VV008871.D

(21) 2-Butanone

4.026min (+0.010) 1.67ug/L m

response 1700

Ion	Exp%	Act%
43.00	100	100
72.00	27.40	18.76
0.00	0.00	0.00
0.00	0.00	0.00

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 Acq On : 06 Dec 2018 22:36
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 07 15:56:54 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 07 01:37:11 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	195308	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	170287	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71186	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53878	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.64%
7) Chloroethane-d5	1.58	69	40656	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.92%
10) 1,1-Dichloroethene-d2	2.13	63	101810	20.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.60%
20) 2-Butanone-d5	3.94	46	42573	57.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.72%
24) Chloroform-d	4.40	84	117693	25.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.28%
26) 1,2-Dichloroethane-d4	5.08	65	69627	27.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.68%
29) Benzene-d6	5.10	84	248516	26.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.52%
33) 1,2-Dichloropropane-d6	6.12	67	70711	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.24%
37) Toluene-d8	7.36	98	220264	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.12%
38) trans-1,3-Dichloropropene-	7.67	79	29623	25.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.28%
39) 2-Hexanone-d5	8.14	63	26478	54.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	58110	26.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.08%
61) 1,2-Dichlorobenzene-d4	11.68	152	69572	26.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4178	1.305 ug/L	99
3) Chloromethane	1.25	50	2852	1.296 ug/L	99
5) Vinyl chloride	1.32	62	2855	1.162 ug/L #	54
6) Bromomethane	1.53	94	1643	1.391 ug/L	96
8) Chloroethane	1.60	64	1942	1.412 ug/L	99
9) Trichlorofluoromethane	1.77	101	5987	1.423 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4697	1.628 ug/L #	77
12) 1,1-Dichloroethene	2.14	96	3955	1.571 ug/L #	1
13) Acetone	2.19	43	3516	3.243 ug/L	87
14) Carbon disulfide	2.32	76	9291	1.149 ug/L	97
15) Methyl Acetate	2.46	43	1731	1.259 ug/L	93
16) Methylene chloride	2.53	84	9222	2.804 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	6949	1.215 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	3068	1.128 ug/L	87
19) 1,1-Dichloroethane	3.23	63	5700	1.292 ug/L	93
21) 2-Butanone	4.03	43	1700m	1.673 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3514m	1.239 ug/L	

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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:37:11 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	1512m	1.131	ug/L	
25) Chloroform	4.43	83	7590	1.604	ug/L	76
27) 1,2-Dichloroethane	5.18	62	4018	1.246	ug/L	98
30) Cyclohexane	4.73	56	4874	1.137	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	4900	1.116	ug/L #	52
32) Carbon tetrachloride	4.88	117	4611	1.150	ug/L	95
34) Benzene	5.15	78	11090	1.087	ug/L	100
35) Trichloroethene	5.96	95	3707	1.205	ug/L	99
36) Methylcyclohexane	6.18	83	5683	1.158	ug/L	99
40) 1,2-Dichloropropane	6.23	63	3055	1.248	ug/L #	85
41) Bromodichloromethane	6.56	83	3662	1.135	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	3840	1.071	ug/L	89
43) 4-Methyl-2-pentanone	7.28	43	5110	3.088	ug/L #	92
44) Toluene	7.43	91	13375	1.250	ug/L	98
45) trans-1,3-Dichloropropene	7.70	75	4034m	1.291	ug/L	
46) 1,1,2-Trichloroethane	7.88	97	2282	1.119	ug/L	89
47) Tetrachloroethene	8.02	164	2874	1.149	ug/L	93
49) 2-Hexanone	8.19	43	5303	3.873	ug/L #	83
50) Dibromochloromethane	8.29	129	2464	1.054	ug/L	95
51) 1,2-Dibromoethane	8.40	107	2194	1.071	ug/L #	89
52) Chlorobenzene	8.93	112	8410	1.207	ug/L	95
53) Ethylbenzene	9.06	91	13778	1.187	ug/L	97
54) m,p-Xylene	9.18	106	4610	1.049	ug/L	99
55) o-xylene	9.59	106	4311	1.056	ug/L	93
56) Styrene	9.61	104	6291	0.955	ug/L	93
57) Isopropylbenzene	9.98	105	12219	1.101	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	2877	1.304	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	2271	1.190	ug/L	99
62) Bromoform	9.78	173	1605	1.249	ug/L #	86
63) 1,3-Dichlorobenzene	11.23	146	5424	1.182	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	5829	1.235	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	5528	1.307	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	360m	1.039	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	3759	1.135	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	1865	0.803	ug/L	85
69) Naphthalene	13.56	128	3041	0.761	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	2067	0.964	ug/L	97

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

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