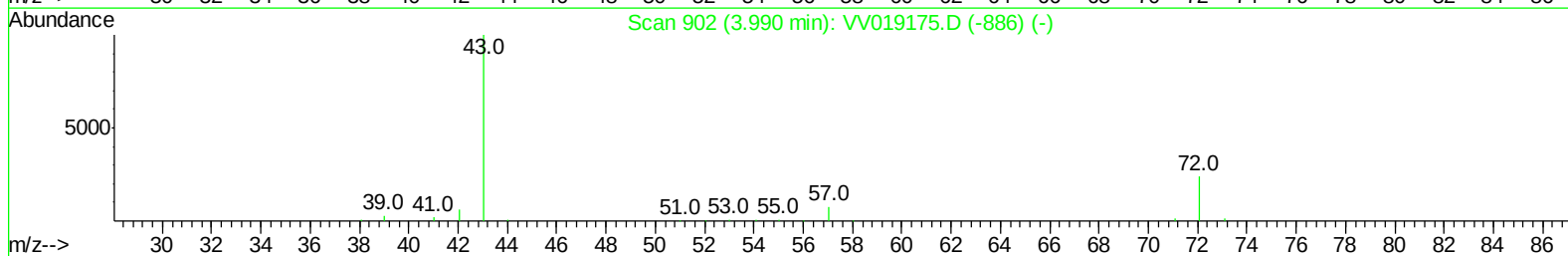
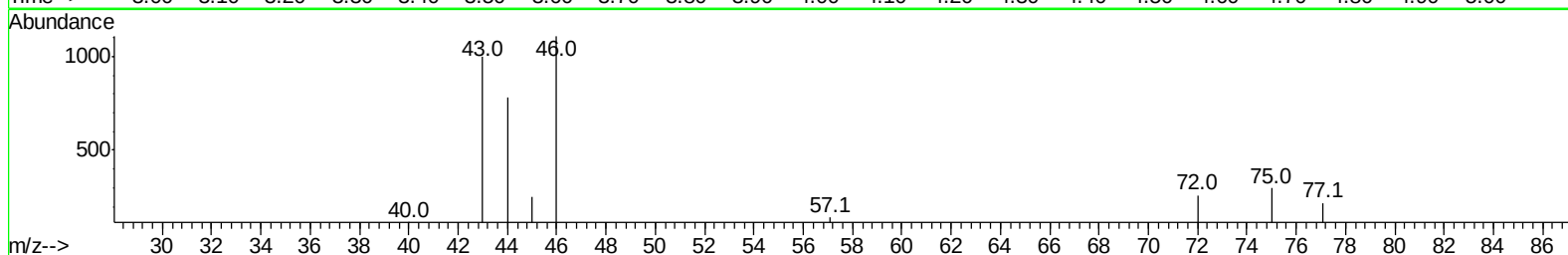
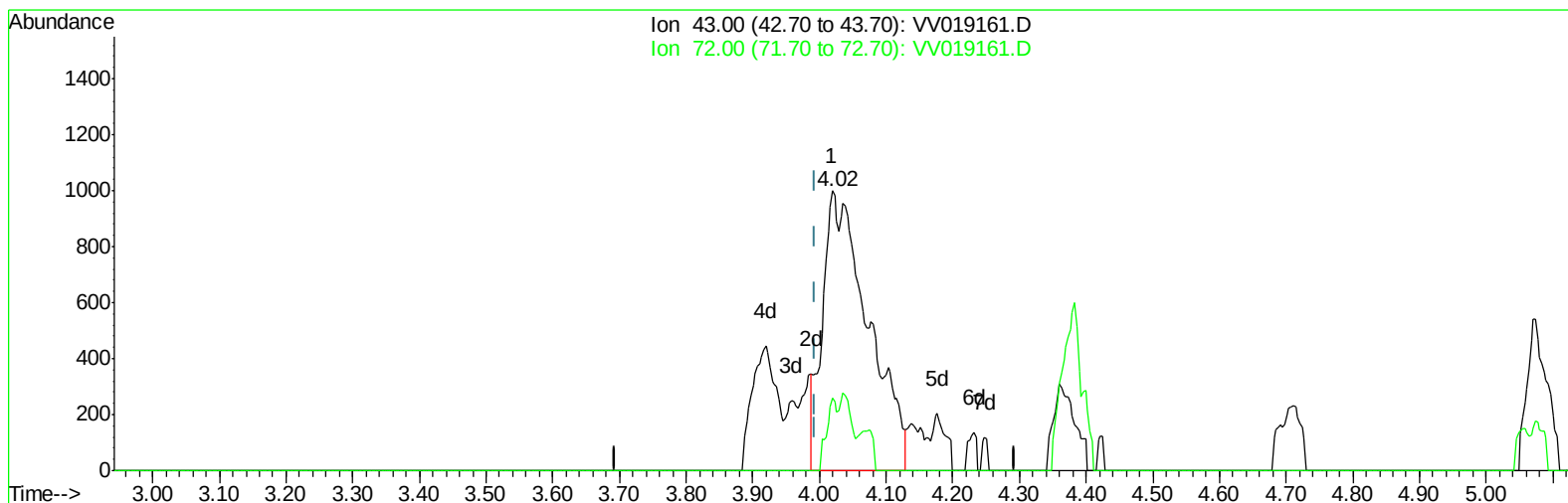


Data File : VV019161.D
Acq On : 29 Oct 2020 21:35
Operator : SY/MD
Sample : MDL07
Misc : 5.0g/5.0ml/100uL/5.0ml/MSVOA-V/MEOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 30 05:10:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 30 05:31:22 2020
Response via : Initial Calibration



TIC: VV019161.D

(22) 2-Butanone (T)
4.019min (+0.026) 4.38ug/L m
response 4736

Ion	Exp%	Act%
43.00	100	100
72.00	23.90	4.18#
0.00	0.00	0.00
0.00	0.00	0.00

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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	5.64	114	219447	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	211618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	106006	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83723	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.02%
7) Chloroethane-d5	1.58	69	67990	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.38%
11) 1,1-Dichloroethene-d2	2.12	63	123875	37.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.68%
21) 2-Butanone-d5	3.91	46	116527	109.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.09%
24) Chloroform-d	4.38	84	163499	50.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.06	65	119903	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.08%
32) Benzene-d6	5.07	84	311750	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
36) 1,2-Dichloropropane-d6	6.09	67	94935	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.08%
41) Toluene-d8	7.34	98	280984	48.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.46%
43) trans-1,3-Dichloropropene-	7.64	79	52056	50.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.52%
47) 2-Hexanone-d5	8.11	63	81391	105.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.00%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	126223	52.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	117381	52.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3712	1.926 ug/L	99
3) Chloromethane	1.25	50	3626	2.072 ug/L	89
5) Vinyl chloride	1.32	62	3775	2.107 ug/L #	41
6) Bromomethane	1.53	94	2636	2.197 ug/L	99
8) Chloroethane	1.60	64	2625	2.357 ug/L	96
9) Trichlorofluoromethane	1.77	101	5749	1.925 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3520	2.450 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	3606	2.562 ug/L #	1
13) Acetone	2.20	43	3909	3.939 ug/L	92
14) Carbon disulfide	2.31	76	8772	1.961 ug/L	95
15) Methyl Acetate	2.46	43	3602m	2.252 ug/L	
16) Methylene chloride	2.52	84	3979	2.490 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3143	2.079 ug/L	94
18) Methyl tert-butyl Ether	2.78	73	10265	2.028 ug/L	99
19) 1,1-Dichloroethane	3.22	63	6063	2.153 ug/L	93
20) cis-1,2-Dichloroethene	3.95	96	3484m	2.100 ug/L	
22) 2-Butanone	4.02	43	4736m	4.382 ug/L	

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

23) Bromochloromethane	4.28	128	1730	1.943	ug/L	92
25) Chloroform	4.40	83	7887	2.592	ug/L	99
27) 1,2-Dichloroethane	5.17	62	5906m	2.280	ug/L	
29) Cyclohexane	4.70	56	3637	1.539	ug/L #	81
30) 1,1,1-Trichloroethane	4.64	97	5535	1.930	ug/L	98
31) Carbon tetrachloride	4.86	117	4723	1.857	ug/L	97
33) Benzene	5.13	78	12438	2.039	ug/L	100
34) Trichloroethene	5.95	95	3379m	2.022	ug/L	
35) Methylcyclohexane	6.15	83	4194m	1.859	ug/L	
37) 1,2-Dichloropropane	6.21	63	3380	2.231	ug/L #	89
38) Bromodichloromethane	6.54	83	4850	2.152	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	5271m	2.106	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	8580	4.105	ug/L	96
42) Toluene	7.41	91	16876	2.523	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	5487m	2.108	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	3305	2.175	ug/L	91
46) Tetrachloroethene	8.00	164	2534	1.775	ug/L	91
48) 2-Hexanone	8.16	43	8456	5.090	ug/L	93
49) Dibromochloromethane	8.27	129	3686	2.003	ug/L	86
50) 1,2-Dibromoethane	8.38	107	3306	2.039	ug/L #	98
51) Chlorobenzene	8.90	112	8536	1.947	ug/L	98
52) Ethylbenzene	9.04	91	13200	1.791	ug/L	100
53) m,p-Xylene	9.17	106	5143	1.847	ug/L	87
54) o-xylene	9.57	106	4535	1.697	ug/L	84
55) Styrene	9.59	104	7348	1.551	ug/L	100
56) Isopropylbenzene	9.95	105	11380	1.584	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	5422	2.343	ug/L #	90
59) 1,2,3-Trichloropropane	10.30	75	3982m	2.010	ug/L	
61) Bromoform	9.76	173	2802	2.143	ug/L #	91
62) 1,3-Dichlorobenzene	11.21	146	6661	1.992	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	7520	2.164	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	7231	2.183	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	1288	2.273	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	4819	1.958	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	4182	1.813	ug/L	96
69) Naphthalene	13.53	128	9439	1.461	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4134	1.832	ug/L	93

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

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