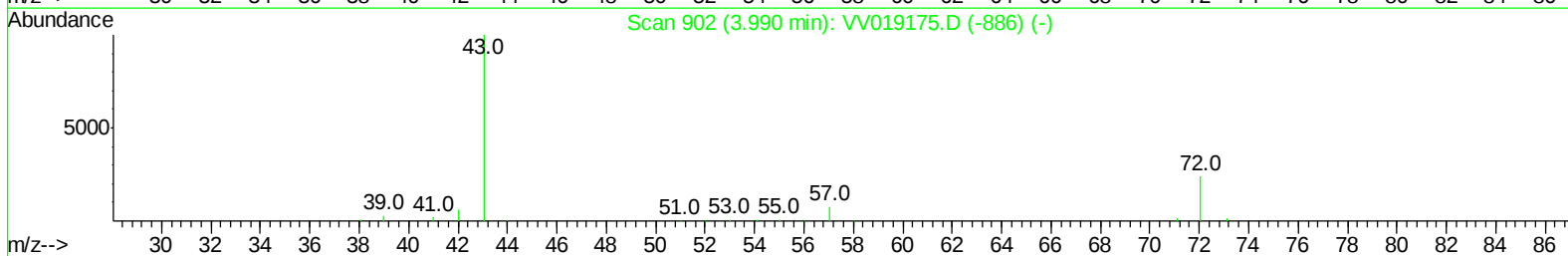
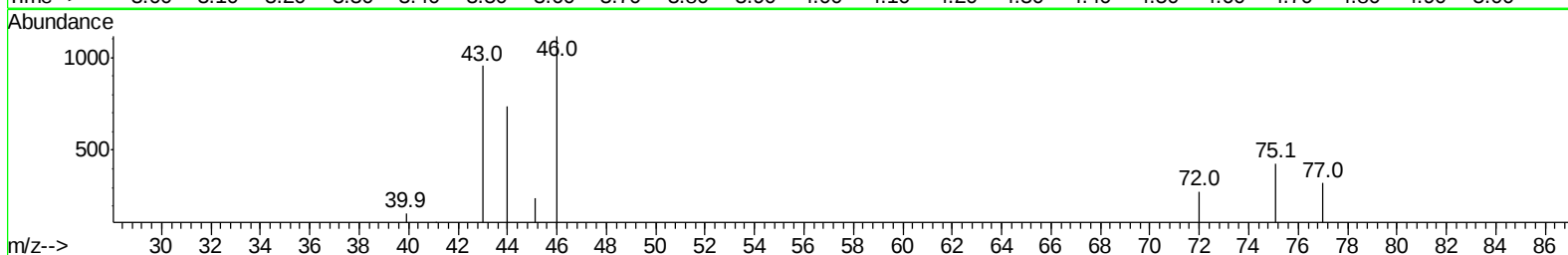
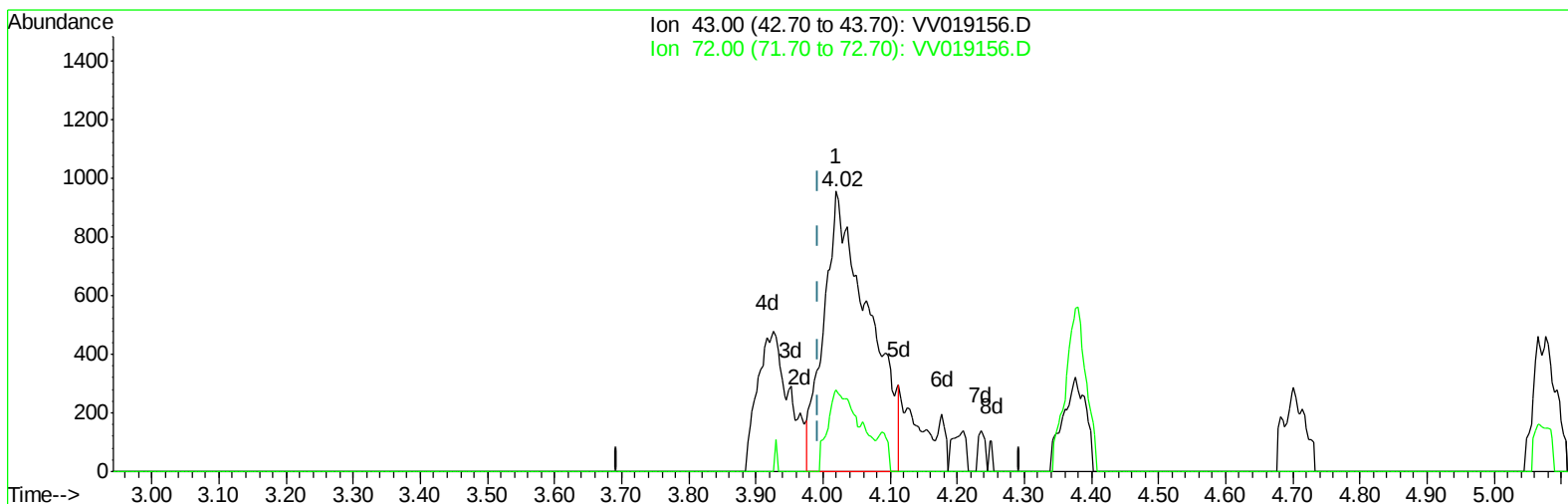


Data File : VV019156.D
Acq On : 29 Oct 2020 19:37
Operator : SY/MD
Sample : MDL02
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 05:01:42 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: VV019156.D

(22) 2-Butanone (T)
4.020min (+0.026) 4.02ug/L m
response 4444

Ion	Exp%	Act%
43.00	100	100
72.00	23.90	9.65#
0.00	0.00	0.00
0.00	0.00	0.00

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Quant Time: Nov 01 15:00:50 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	224711	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	216516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111525	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88214	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.80%
7) Chloroethane-d5	1.58	69	69393	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.04%
11) 1,1-Dichloroethene-d2	2.12	63	131120	38.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.20%
21) 2-Butanone-d5	3.91	46	117031	107.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.00%
24) Chloroform-d	4.38	84	167137	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
26) 1,2-Dichloroethane-d4	5.05	65	122935	53.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.22%
32) Benzene-d6	5.07	84	320317	52.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.30%
36) 1,2-Dichloropropane-d6	6.09	67	99086	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	7.33	98	291120	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%
43) trans-1,3-Dichloropropene-	7.64	79	53684	50.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.32%
47) 2-Hexanone-d5	8.11	63	85123	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	127935	51.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	123595	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3859	1.956 ug/L	99
3) Chloromethane	1.25	50	3859	2.154 ug/L	98
5) Vinyl chloride	1.32	62	4425	2.412 ug/L #	63
6) Bromomethane	1.53	94	2802	2.280 ug/L	99
8) Chloroethane	1.60	64	2773	2.431 ug/L	100
9) Trichlorofluoromethane	1.77	101	5863	1.918 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4309	2.929 ug/L #	75
12) 1,1-Dichloroethene	2.13	96	3979	2.761 ug/L #	1
13) Acetone	2.20	43	4395	4.325 ug/L	72
14) Carbon disulfide	2.31	76	10296	2.248 ug/L #	93
15) Methyl Acetate	2.46	43	3703	2.261 ug/L #	89
16) Methylene chloride	2.53	84	3967	2.424 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	3256	2.104 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	10559	2.037 ug/L	98
19) 1,1-Dichloroethane	3.22	63	5966	2.069 ug/L	91
20) cis-1,2-Dichloroethene	3.94	96	3388	1.995 ug/L	92
22) 2-Butanone	4.02	43	4444m	4.015 ug/L	

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Response via : Initial Calibration

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

23) Bromochloromethane	4.28	128	1943	2.132	ug/L	90
25) Chloroform	4.41	83	8251	2.648	ug/L	96
27) 1,2-Dichloroethane	5.17	62	5919	2.231	ug/L #	90
29) Cyclohexane	4.70	56	4408	1.824	ug/L #	90
30) 1,1,1-Trichloroethane	4.64	97	5902	2.012	ug/L	97
31) Carbon tetrachloride	4.86	117	5108	1.963	ug/L	97
33) Benzene	5.13	78	13375	2.143	ug/L	100
34) Trichloroethene	5.95	95	3582	2.095	ug/L	89
35) Methylcyclohexane	6.16	83	4774m	2.068	ug/L	
37) 1,2-Dichloropropane	6.20	63	3506	2.261	ug/L #	89
38) Bromodichloromethane	6.54	83	4775	2.070	ug/L #	93
39) cis-1,3-Dichloropropene	7.05	75	5578	2.178	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	8594	4.018	ug/L	98
42) Toluene	7.41	91	18577	2.715	ug/L	92
44) trans-1,3-Dichloropropene	7.68	75	5533	2.077	ug/L	85
45) 1,1,2-Trichloroethane	7.87	97	3176	2.043	ug/L	91
46) Tetrachloroethene	8.00	164	3113	2.132	ug/L	95
48) 2-Hexanone	8.16	43	7908	4.652	ug/L #	91
49) Dibromochloromethane	8.27	129	3843	2.041	ug/L	88
50) 1,2-Dibromoethane	8.38	107	3203	1.931	ug/L #	90
51) Chlorobenzene	8.90	112	9386	2.092	ug/L	99
52) Ethylbenzene	9.04	91	14335	1.901	ug/L	98
53) m,p-Xylene	9.16	106	5449	1.913	ug/L	98
54) o-xylene	9.57	106	4928	1.802	ug/L	95
55) Styrene	9.59	104	8194	1.691	ug/L	98
56) Isopropylbenzene	9.96	105	12554	1.708	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	5463	2.307	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	4547	2.244	ug/L	96
61) Bromoform	9.75	173	3005	2.184	ug/L #	93
62) 1,3-Dichlorobenzene	11.21	146	7215	2.051	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	8254	2.258	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	7842	2.250	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.46	75	1093	1.833	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	5627	2.173	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	4878	2.011	ug/L	98
69) Naphthalene	13.53	128	11345	1.669	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4442	1.871	ug/L	97

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

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