

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
 Data File : VV012127.D
 Acq On : 07 Aug 2019 14:58
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda

8/8/2019 11:45:29 AM

Quant Time: Aug 08 01:43:54 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M

Quant Title : VOC Analysis

QLast Update : Thu Aug 08 01:11:59 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	220041	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	203680	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	98362	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57270	47.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.22%
7) Chloroethane-d5	1.58	69	38141	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.34%
11) 1,1-Dichloroethene-d2	2.13	63	71712	34.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.78%
21) 2-Butanone-d5	3.92	46	88486	100.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.97%
24) Chloroform-d	4.40	84	148879	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
26) 1,2-Dichloroethane-d4	5.08	65	103686	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
32) Benzene-d6	5.10	84	286966	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
36) 1,2-Dichloropropane-d6	6.12	67	82493	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.18%
41) Toluene-d8	7.36	98	278755	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%
43) trans-1,3-Dichloropropene-	7.66	79	48350	50.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.18%
47) 2-Hexanone-d5	8.13	63	74317	105.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.39%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	124593	52.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.12%
66) 1,2-Dichlorobenzene-d4	11.67	152	127046	54.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4960	3.191 ug/L	93
3) Chloromethane	1.25	50	4028	3.650 ug/L	98
5) Vinyl chloride	1.33	62	2912	2.734 ug/L #	48
6) Bromomethane	1.53	94	1654	2.675 ug/L	76
8) Chloroethane	1.60	64	1603	2.873 ug/L	93
9) Trichlorofluoromethane	1.77	101	4687	2.706 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2854	3.362 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	2613	3.268 ug/L #	1
13) Acetone	2.18	43	2668	4.465 ug/L	97
14) Carbon disulfide	2.32	76	6474	2.396 ug/L #	95
15) Methyl Acetate	2.46	43	2607	2.493 ug/L	98
16) Methylene chloride	2.54	84	3204	2.641 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	2881	2.552 ug/L	90
18) Methyl tert-butyl Ether	2.80	73	10545	2.719 ug/L	100
19) 1,1-Dichloroethane	3.23	63	5280	2.565 ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	3661	2.753 ug/L	97
22) 2-Butanone	4.03	43	3558m	4.620 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	1949	2.666	ug/L	82
25) Chloroform	4.43	83	10796	4.627	ug/L	97
27) 1,2-Dichloroethane	5.18	62	5571	3.072	ug/L	99
29) Cyclohexane	4.73	56	4439	2.606	ug/L	93
30) 1,1,1-Trichloroethane	4.66	97	6155	2.845	ug/L #	84
31) Carbon tetrachloride	4.88	117	5529	2.755	ug/L	91
33) Benzene	5.15	78	11721	2.500	ug/L	100
34) Trichloroethene	5.96	95	3517	2.699	ug/L	93
35) Methylcyclohexane	6.17	83	4949	2.551	ug/L	93
37) 1,2-Dichloropropane	6.22	63	3469	3.033	ug/L #	90
38) Bromodichloromethane	6.55	83	4615	2.565	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	5052	2.506	ug/L	88
40) 4-Methyl-2-pentanone	7.27	43	7783	5.288	ug/L	98
42) Toluene	7.43	91	14272	2.739	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	4913	2.581	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	3326	2.698	ug/L	95
46) Tetrachloroethene	8.02	164	3046	2.509	ug/L	92
48) 2-Hexanone	8.18	43	6233	5.617	ug/L #	92
49) Dibromochloromethane	8.29	129	4400	2.751	ug/L	99
50) 1,2-Dibromoethane	8.40	107	3594	2.636	ug/L #	92
51) Chlorobenzene	8.92	112	9546	2.718	ug/L	94
52) Ethylbenzene	9.05	91	14688	2.513	ug/L	98
53) m,p-Xylene	9.18	106	5834	2.587	ug/L	87
54) o-Xylene	9.59	106	6085	2.719	ug/L	91
55) Styrene	9.60	104	9449	2.507	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.28	83	6050	3.191	ug/L #	89
59) Bromoform	9.78	173	3424	2.968	ug/L #	93
60) Isopropylbenzene	9.97	105	15264	2.835	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	4369	3.271	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	12206	2.622	ug/L	100
63) 1,2,4-Trimethylbenzene	10.96	105	12377	2.694	ug/L	99
64) 1,3-Dichlorobenzene	11.23	146	7610	2.801	ug/L	96
65) 1,4-Dichlorobenzene	11.32	146	7552	2.750	ug/L	91
67) 1,2-Dichlorobenzene	11.69	146	8701	3.139	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.48	75	1231	2.797	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.69	180	5491	2.493	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	3863	2.023	ug/L	94
71) Naphthalene	13.55	128	8097	1.673	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.79	180	3965	2.063	ug/L	97

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

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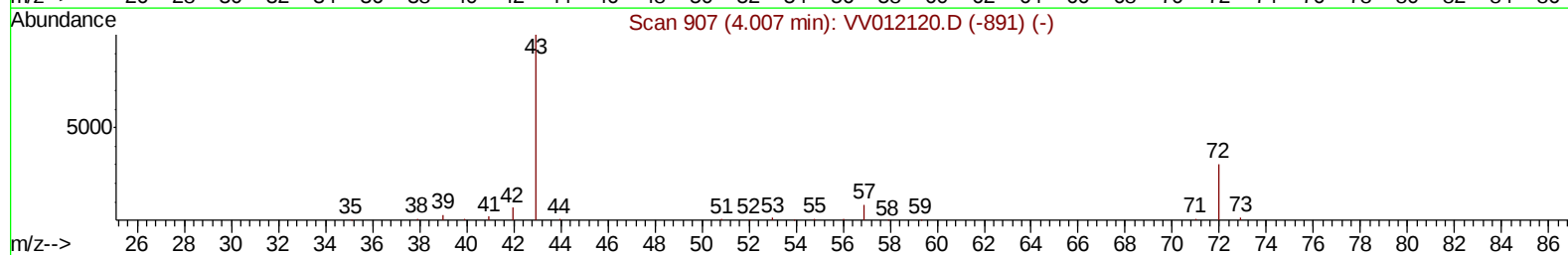
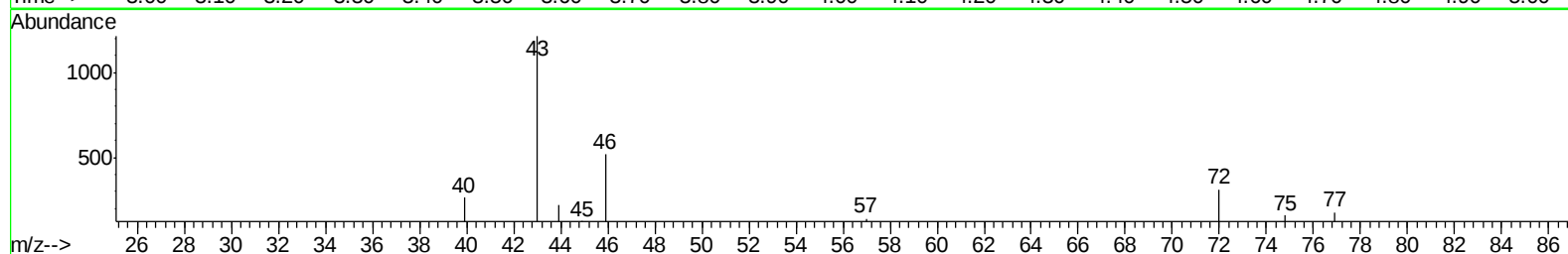
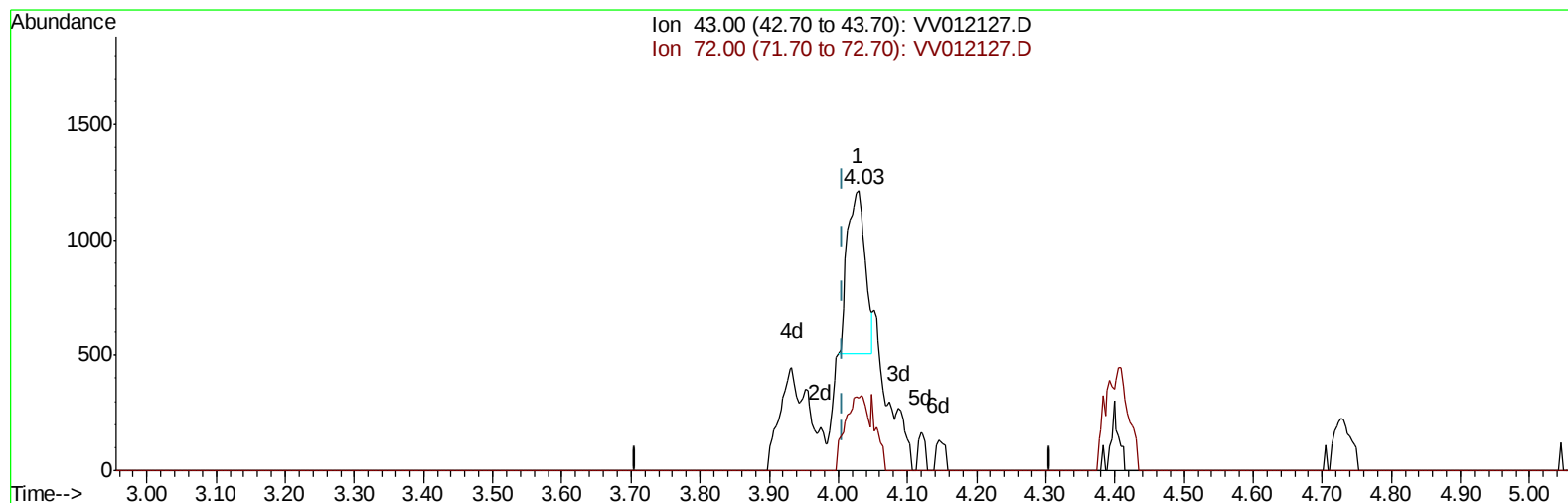
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Response via : Initial Calibration



TIC: VV012127.D

(22) 2-Butanone (T)

4.029min (+0.023) 1.64ug/L

response 1265

Ion	Exp%	Act%
43.00	100	100
72.00	30.00	36.05
0.00	0.00	0.00
0.00	0.00	0.00

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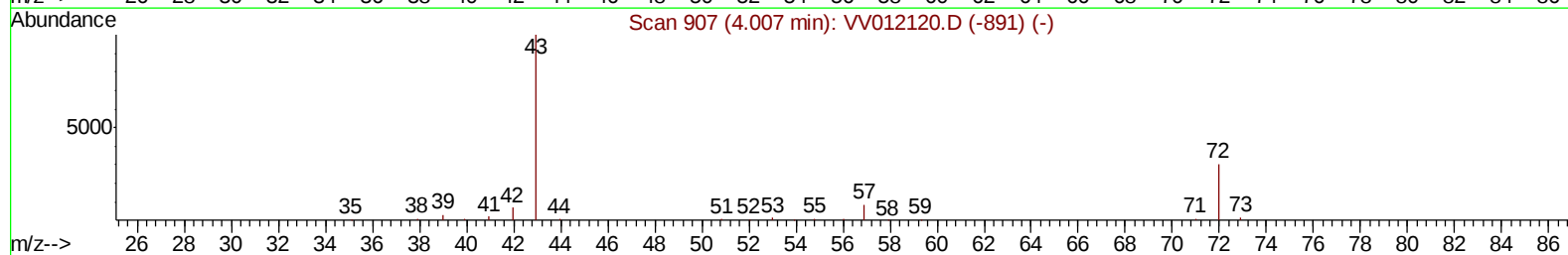
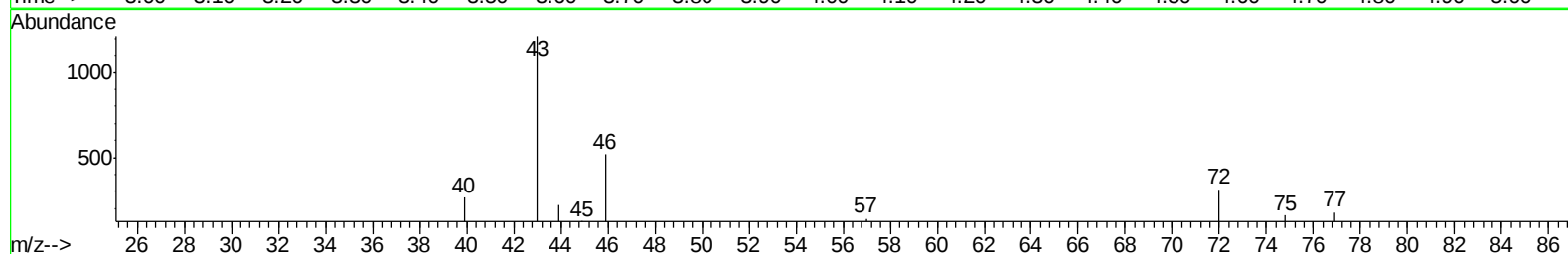
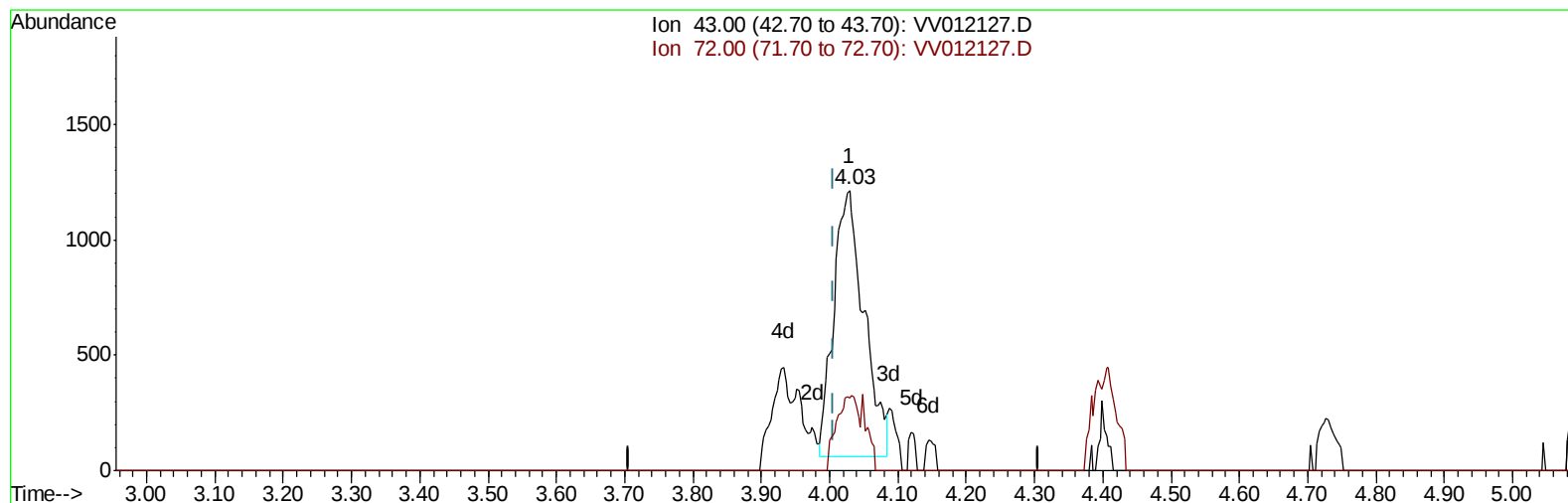
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TIC: VV012127.D

(22) 2-Butanone (T)

4.029min (+0.023) 4.62ug/L m

response 3558

Ion	Exp%	Act%
43.00	100	100
72.00	30.00	12.82#
0.00	0.00	0.00
0.00	0.00	0.00