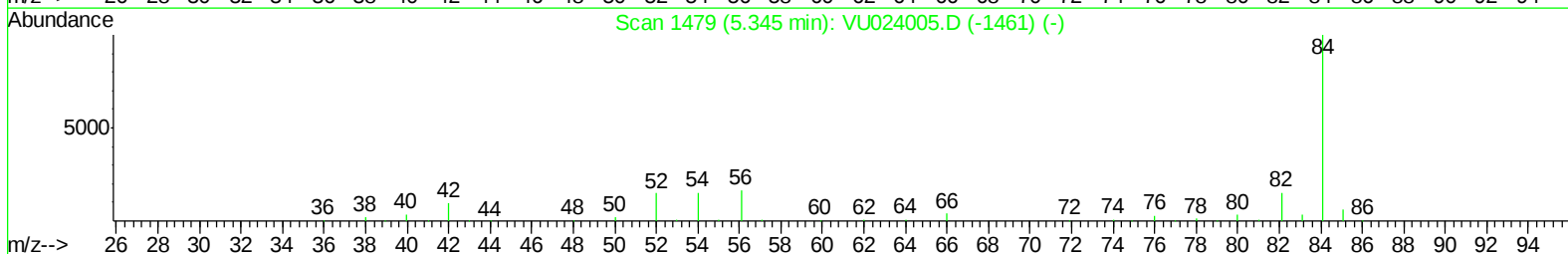
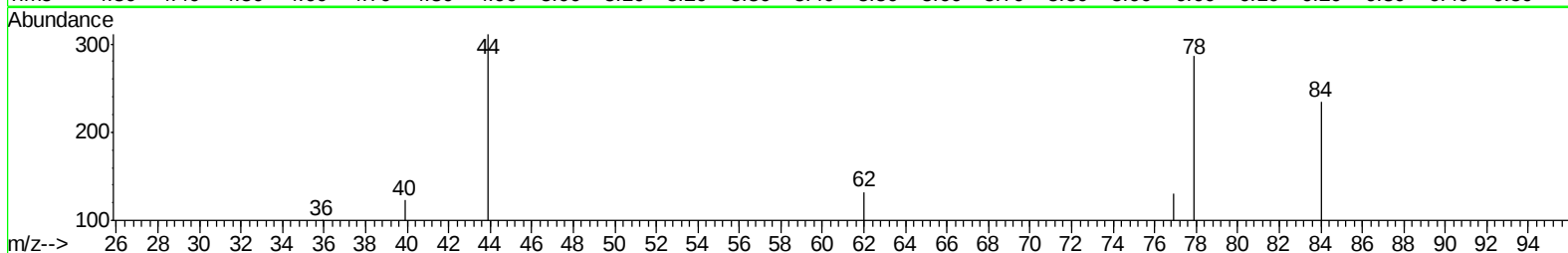
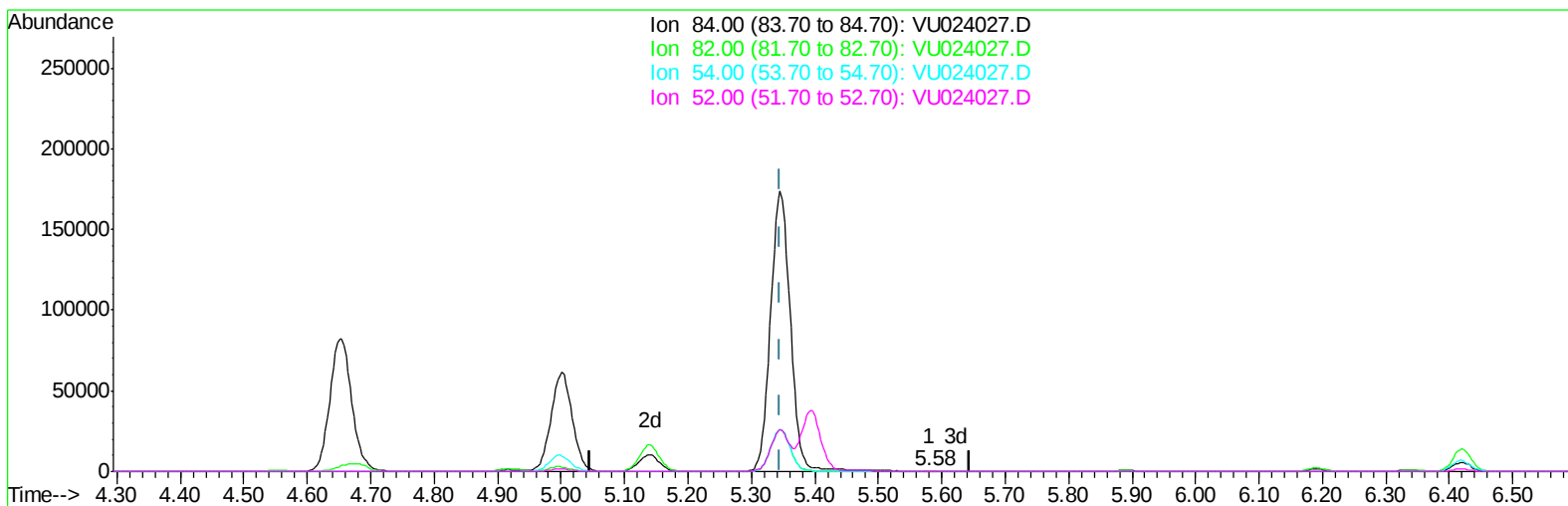


Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052218\
Data File : VU024027.D
Acq On : 22 May 2018 20:19
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 23 03:05:01 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 23 02:51:37 2018
Response via : Initial Calibration



TIC: VU024027.D

(32) Benzene-d6 (S)

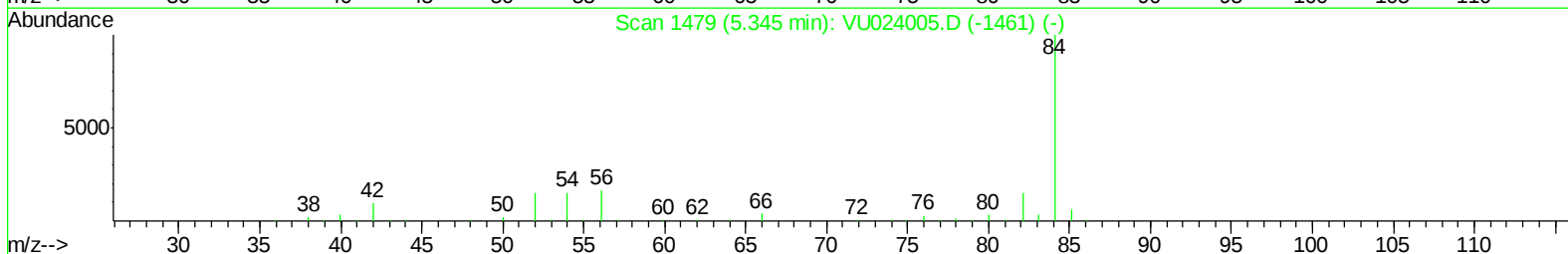
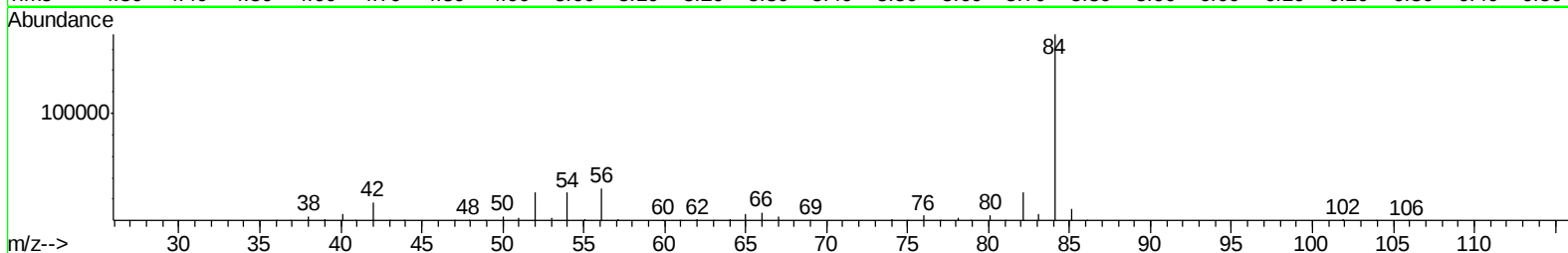
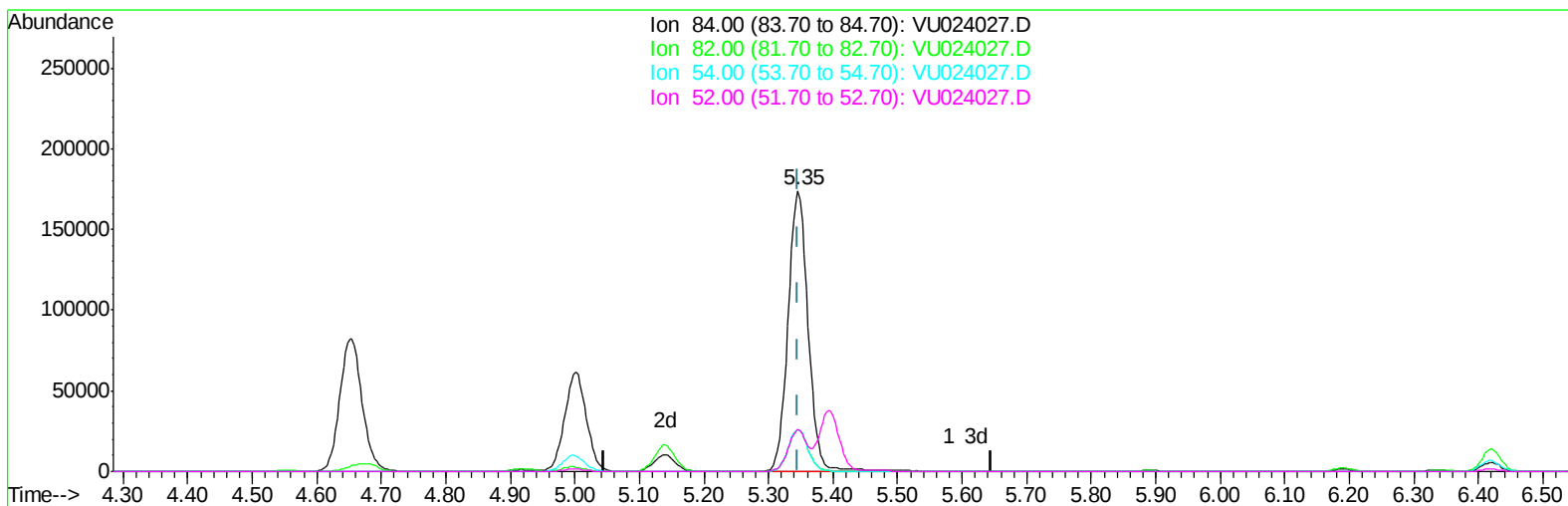
5.580min (+0.235) 0.02ug/L

response 185

Ion	Exp%	Act%
84.00	100	100
82.00	14.90	38.38#
54.00	14.40	41.62#
52.00	13.90	32.97#

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052218\
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TIC: VU024027.D

(32) Benzene-d6 (S)

5.346min (+0.000) 45.30ug/L m

response 378765

Ion	Exp%	Act%
84.00	100	100
82.00	14.90	0.02#
54.00	14.40	0.02#
52.00	13.90	0.02#

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052218\
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 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 23 03:05:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 23 02:51:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	293073	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	286442	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	148375	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92503	33.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.94%
7) Chloroethane-d5	1.68	69	77645	36.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.36%
11) 1,1-Dichloroethene-d2	2.27	63	193132	38.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.30%
21) 2-Butanone-d5	4.18	46	196591	103.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.73%
24) Chloroform-d	4.65	84	197981	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
26) 1,2-Dichloroethane-d4	5.31	65	131031	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.35	84	378765m	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.34	67	131728	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.28%
41) Toluene-d8	7.57	98	360064	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%
43) trans-1,3-Dichloropropene-	7.85	79	55949	47.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.20%
47) 2-Hexanone-d5	8.31	63	137661	105.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.74%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	199832	50.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	149794	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	126385	42.18	ug/L	99
3) Chloromethane	1.33	50	129668	46.52	ug/L	99
5) Vinyl chloride	1.40	62	140195	43.41	ug/L	98
6) Bromomethane	1.63	94	59440	46.17	ug/L	99
8) Chloroethane	1.70	64	88969	43.93	ug/L	99
9) Trichlorofluoromethane	1.89	101	175423	43.49	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	107319	43.59	ug/L	99
12) 1,1-Dichloroethene	2.28	96	97119	44.37	ug/L	93
13) Acetone	2.32	43	167109	87.54	ug/L	97
14) Carbon disulfide	2.48	76	266711	45.71	ug/L	100
15) Methyl Acetate	2.62	43	163457	51.05	ug/L	98
16) Methylene chloride	2.70	84	125503	48.20	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	103403	47.90	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	349909	50.49	ug/L	98
19) 1,1-Dichloroethane	3.45	63	228210	49.73	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	123201	48.87	ug/L	96
22) 2-Butanone	4.27	43	239131	102.93	ug/L	99

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Quant Time: May 23 03:05:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 23 02:51:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62610	47.94	ug/L	94
25) Chloroform	4.68	83	228943	49.37	ug/L	97
27) 1,2-Dichloroethane	5.41	62	182943	51.88	ug/L	99
29) Cyclohexane	5.00	56	177783	51.68	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	176598	49.37	ug/L	99
31) Carbon tetrachloride	5.14	117	148731	48.24	ug/L	100
33) Benzene	5.39	78	478641	50.79	ug/L	100
34) Trichloroethene	6.19	95	119950	49.90	ug/L	95
35) Methylcyclohexane	6.42	83	168982	49.54	ug/L	100
37) 1,2-Dichloropropane	6.44	63	140649	50.44	ug/L	99
38) Bromodichloromethane	6.76	83	168244	50.91	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	188969	51.34	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	429902	109.42	ug/L	98
42) Toluene	7.64	91	512146	52.15	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	174603	51.51	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	124797	49.82	ug/L	98
46) Tetrachloroethene	8.23	164	91128	46.37	ug/L	97
48) 2-Hexanone	8.36	43	350812	109.95	ug/L	98
49) Dibromochloromethane	8.48	129	131885	49.52	ug/L	100
50) 1,2-Dibromoethane	8.59	107	128350	50.24	ug/L	98
51) Chlorobenzene	9.12	112	329917	49.52	ug/L	97
52) Ethylbenzene	9.26	91	548093	51.77	ug/L	99
53) m,p-Xylene	9.38	106	204046	50.86	ug/L	95
54) o-xylene	9.78	106	205573	52.73	ug/L	99
55) Styrene	9.80	104	366911	53.83	ug/L	97
56) Isopropylbenzene	10.17	105	536434	52.32	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	228009	50.58	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	184811	51.07	ug/L	98
61) Bromoform	9.96	173	97998	46.74	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	252683	48.90	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	263500	48.12	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	271608	48.73	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	49212	50.06	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	207065	48.46	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	172069	49.17	ug/L	98
69) Naphthalene	13.75	128	550248	55.23	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	192554	51.42	ug/L	100

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

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