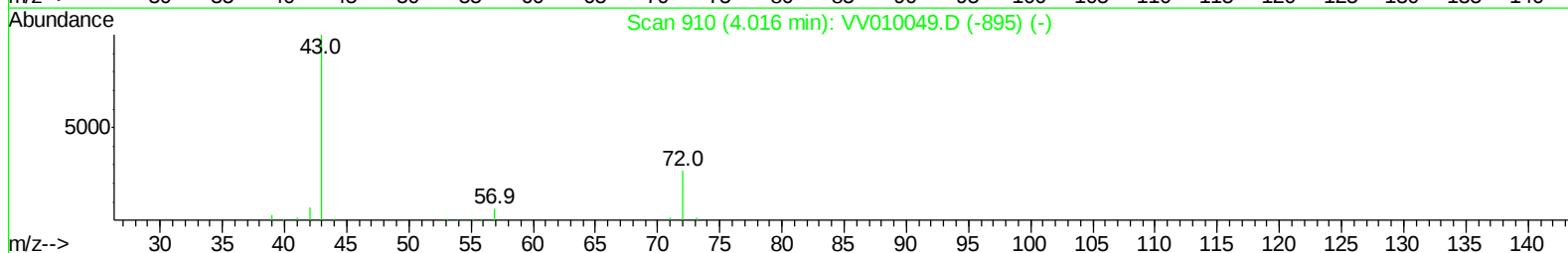
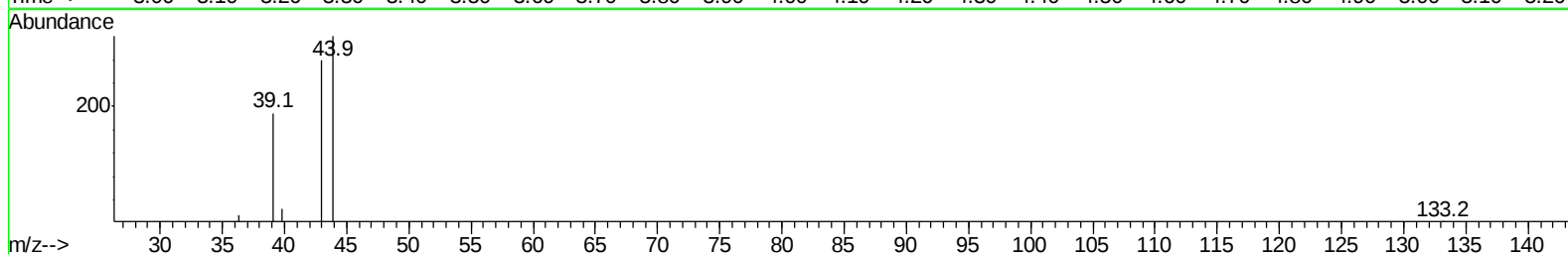
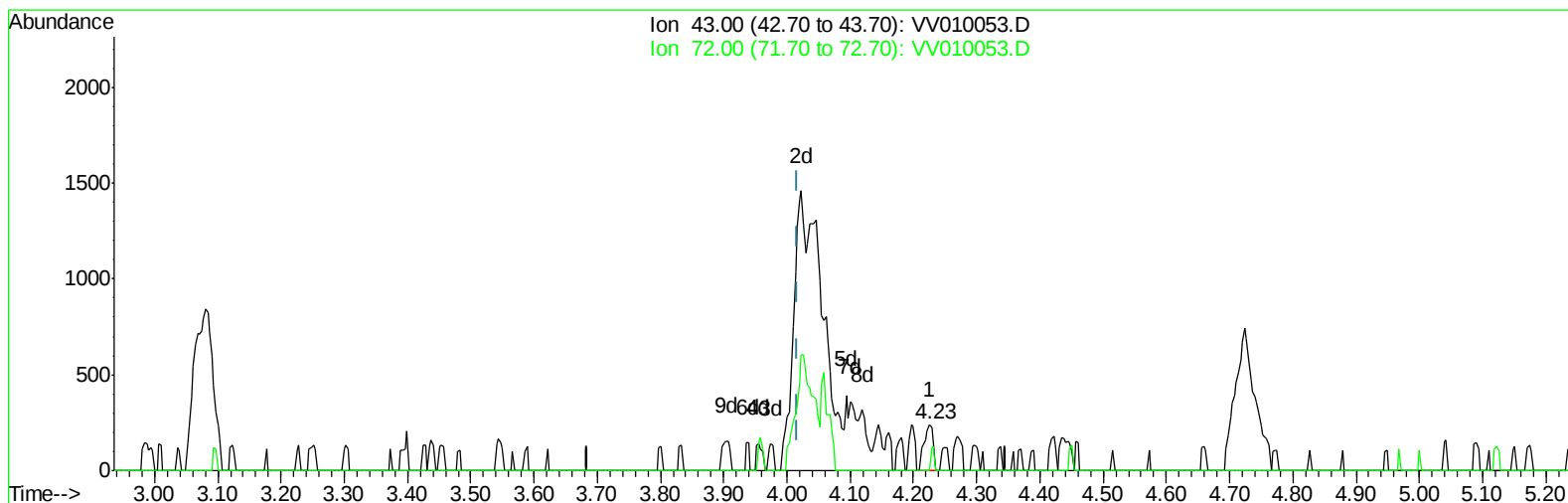


Data File : VV010053.D
Acq On : 01 Apr 2019 17:45
Operator : SY/MD
Sample : VSTD2.566
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 20:55:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration



TIC: VV010053.D

(21) 2-Butanone

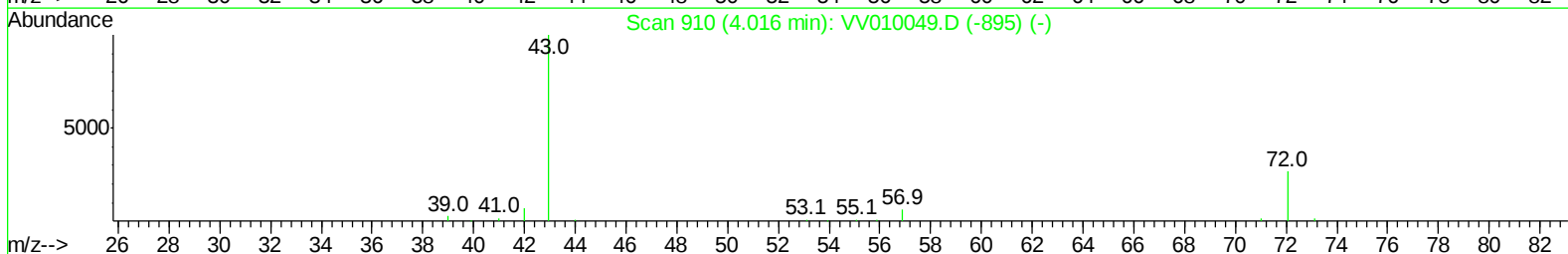
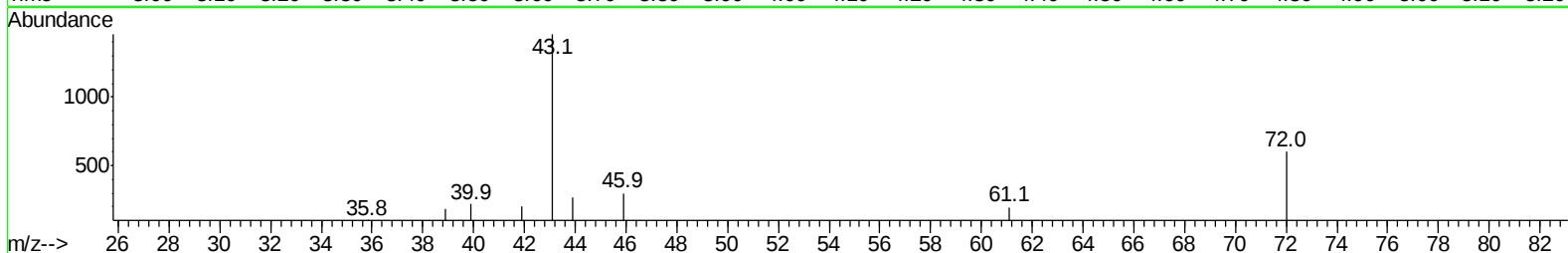
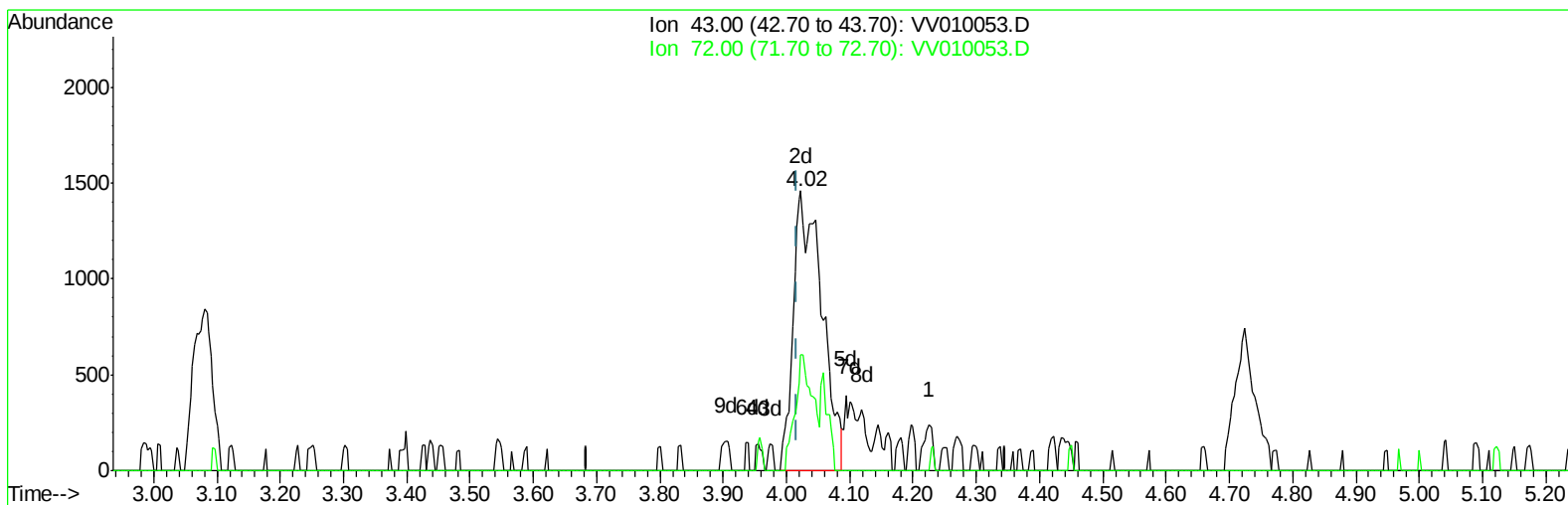
4.225min (+0.209) 0.24ug/L

response 237

Ion	Exp%	Act%
43.00	100	100
72.00	24.60	19.83
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV010053.D
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Operator : SY/MD
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Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 20:55:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration



TIC: VV010053.D

(21) 2-Butanone

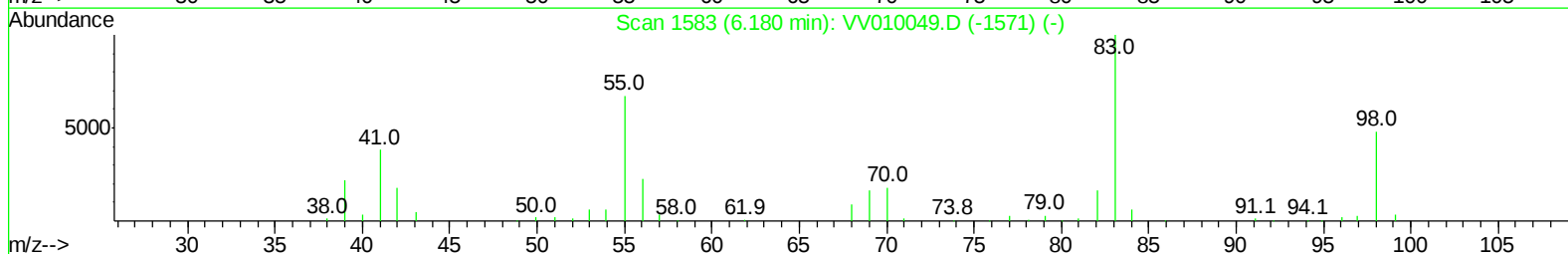
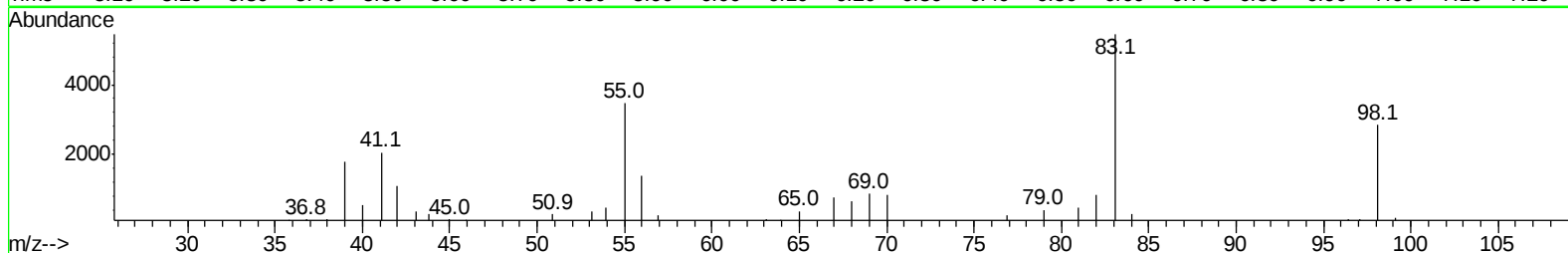
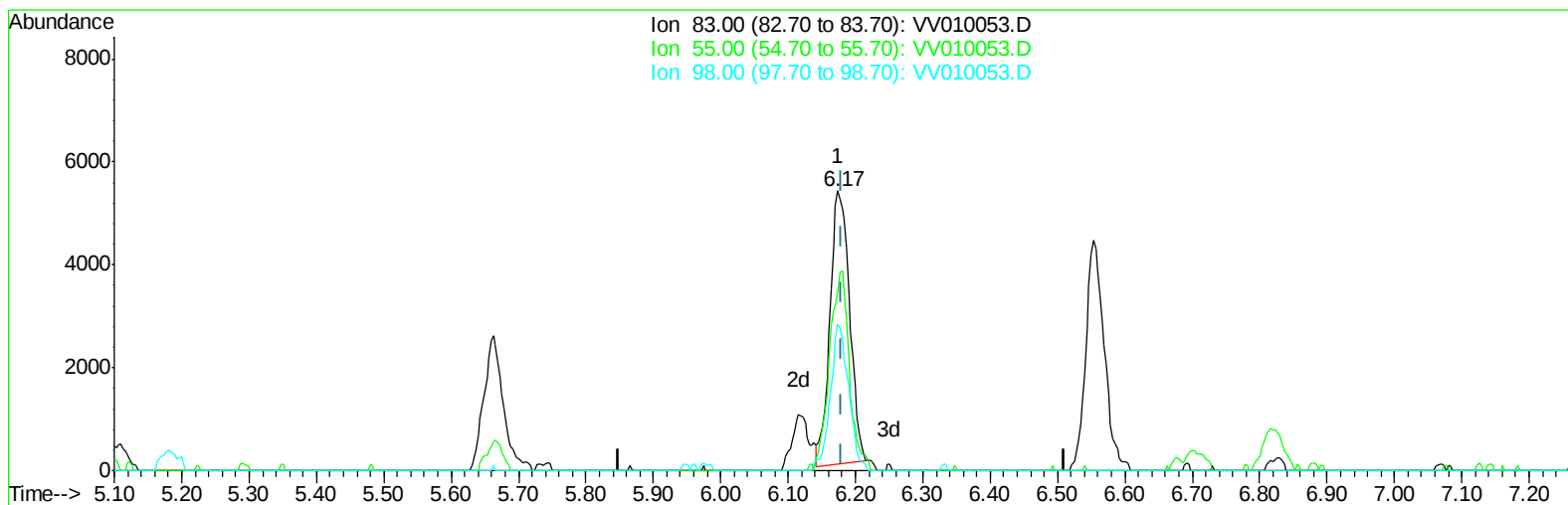
4.023min (+0.007) 4.66ug/L m

response 4565

Ion	Exp%	Act%
43.00	100	100
72.00	24.60	1.03#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV010053.D
Acq On : 01 Apr 2019 17:45
Operator : SY/MD
Sample : VSTD2.566
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 20:55:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration



TIC: VV010053.D

(36) Methylcyclohexane (T)

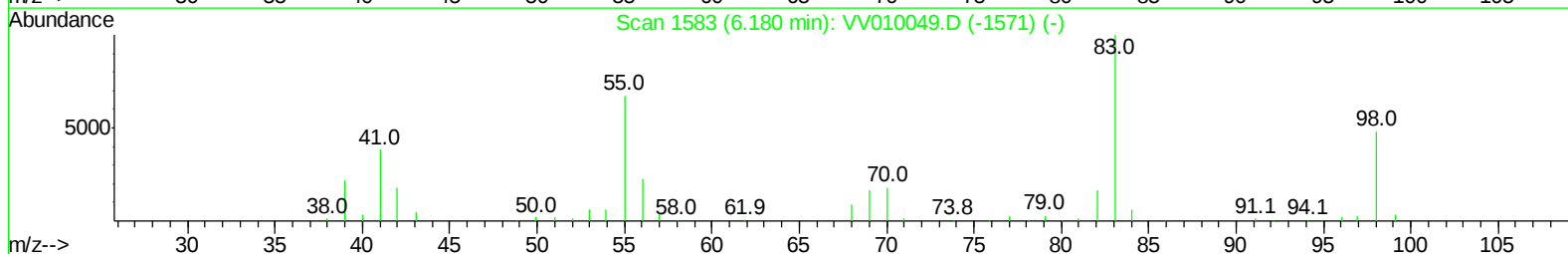
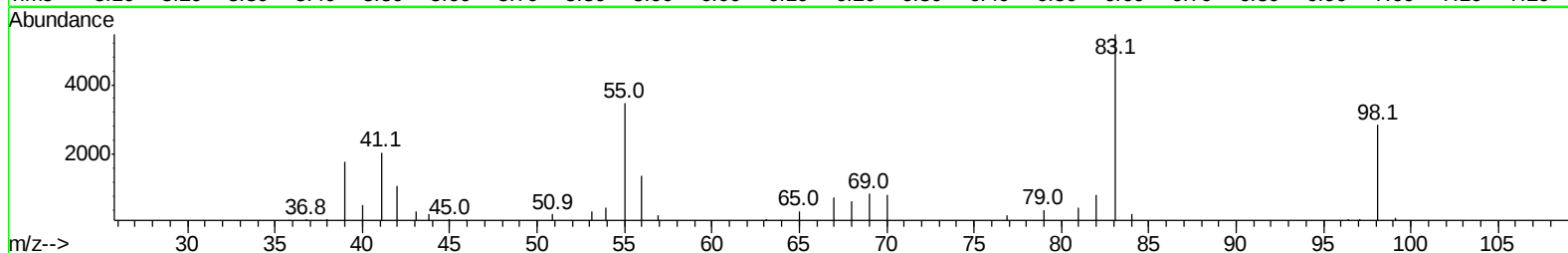
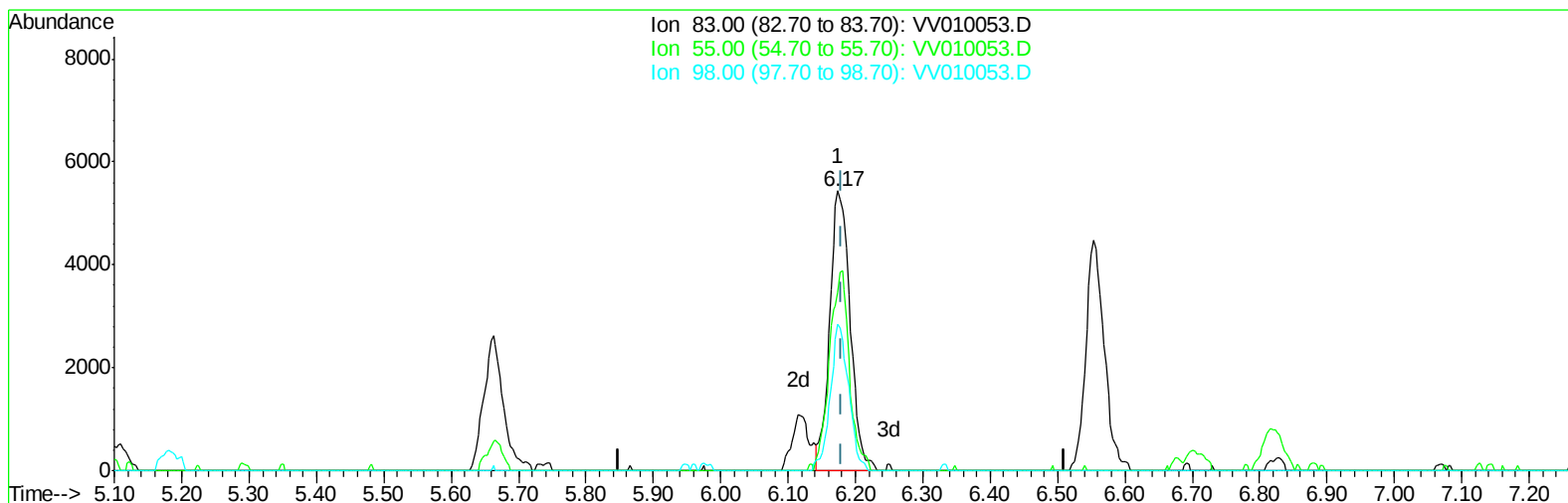
6.174min (-0.006) 2.14ug/L

response 10651

Ion	Exp%	Act%
83.00	100	100
55.00	68.00	73.68
98.00	48.10	49.12
0.00	0.00	0.00

Data File : VV010053.D
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Sample : VSTD2.566
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 20:55:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration



TIC: VV010053.D

(36) Methylcyclohexane (T)

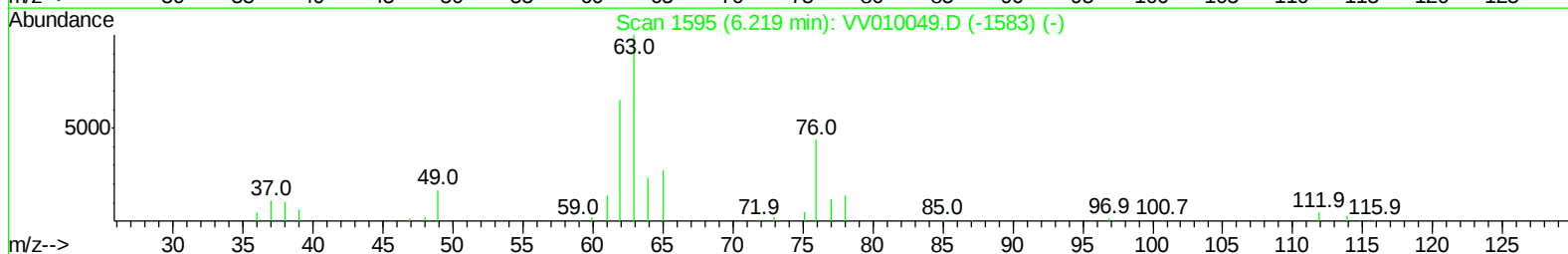
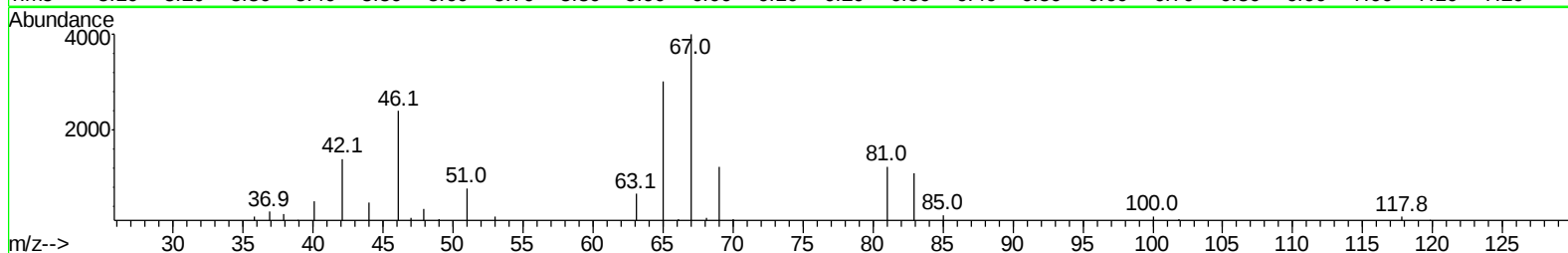
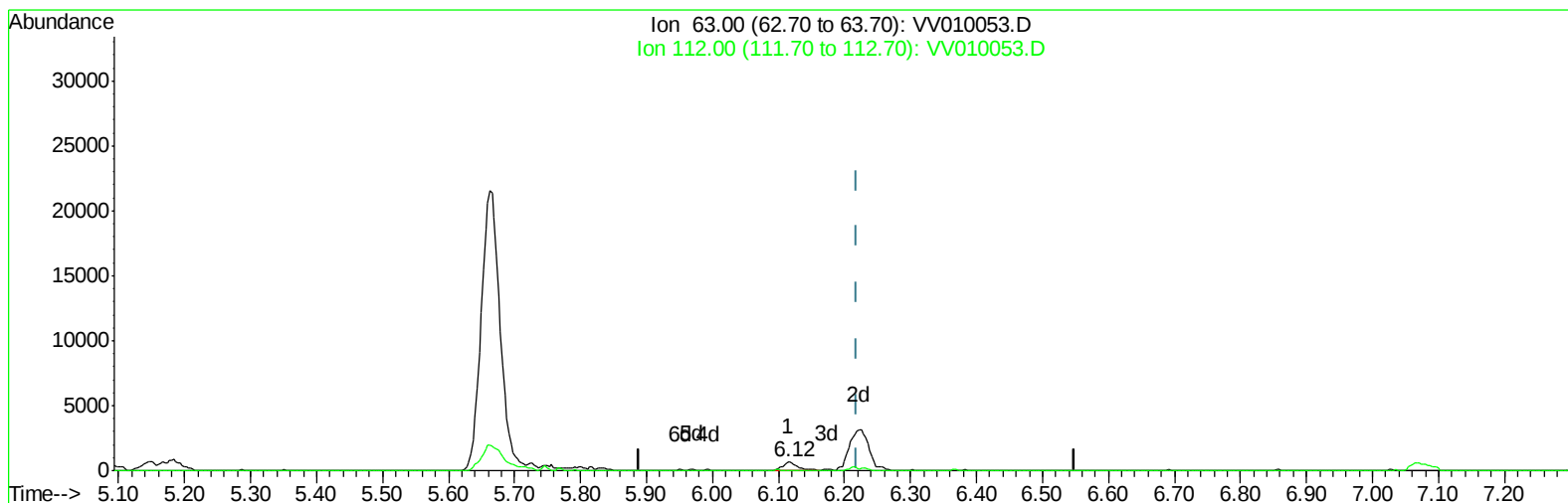
6.174min (-0.006) 2.29ug/L m

response 11401

Ion	Exp%	Act%
83.00	100	100
55.00	68.00	68.84
98.00	48.10	45.89
0.00	0.00	0.00

Data File : VV010053.D
Acq On : 01 Apr 2019 17:45
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Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 20:55:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration



TIC: VV010053.D

(40) 1,2-Dichloropropane (T)

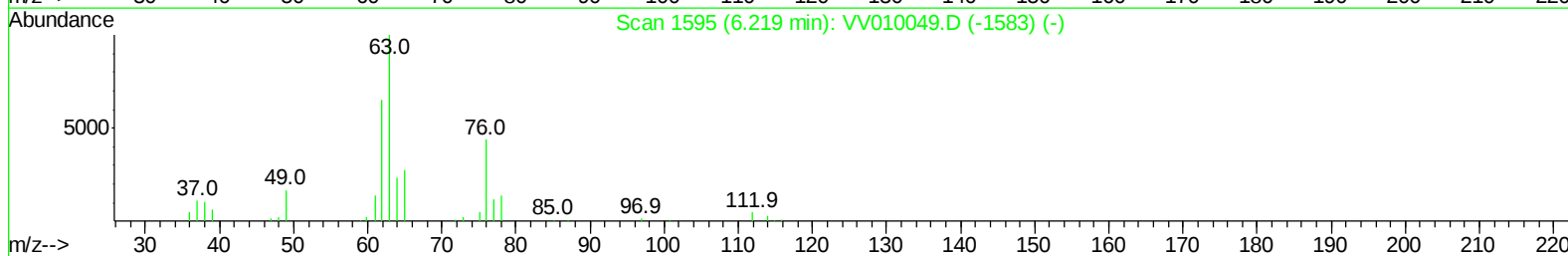
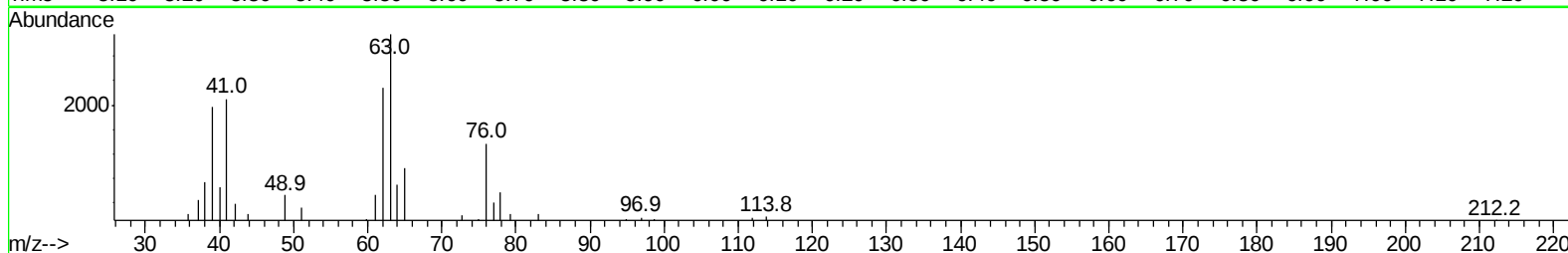
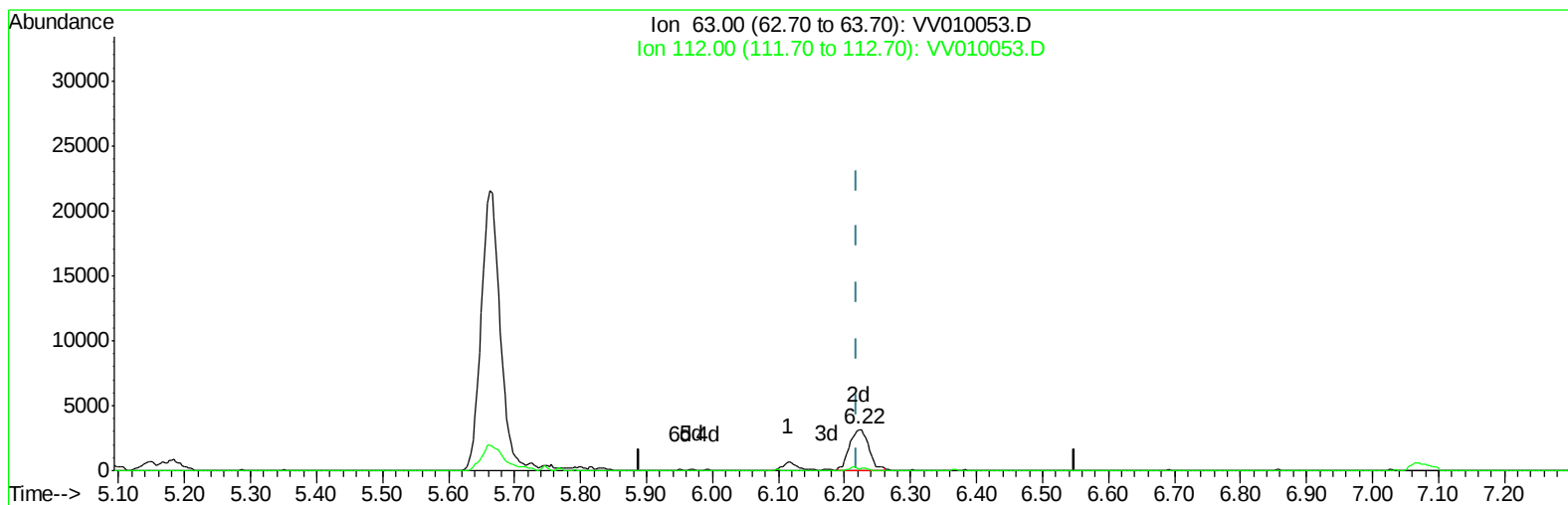
6.116min (-0.103) 0.38ug/L

response 1067

Ion	Exp%	Act%
63.00	100	100
112.00	4.80	4.22
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV010053.D
Acq On : 01 Apr 2019 17:45
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Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 20:55:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration



TIC: VV010053.D

(40) 1,2-Dichloropropane (T)

6.222min (+0.003) 2.30ug/L m

response 6475

Ion	Exp%	Act%
63.00	100	100
112.00	4.80	0.69#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV010053.D
Acq On : 01 Apr 2019 17:45
Operator : SY/MD
Sample : VSTD2.566
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 20:59:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	230953	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	228900	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	105883	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8592	2.71	ug/L	0.00
7) Chloroethane-d5	1.57	69	7643	2.74	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	21211	2.67	ug/L	0.00
20) 2-Butanone-d5	3.95	46	4218	4.90	ug/L	0.01
24) Chloroform-d	4.40	84	15516	2.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9054	2.66	ug/L	0.00
29) Benzene-d6	5.10	84	30511	2.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	8188	2.43	ug/L	0.00
37) Toluene-d8	7.36	98	29179	2.53	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	3329	2.30	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2989	4.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	9091	2.62	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	12072	2.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9878	2.777 ug/L	100
3) Chloromethane	1.25	50	8661	2.787 ug/L	92
5) Vinyl chloride	1.32	62	8968	2.638 ug/L	98
6) Bromomethane	1.51	94	8586	2.834 ug/L	97
8) Chloroethane	1.59	64	5498	2.443 ug/L	89
9) Trichlorofluoromethane	1.77	101	17221	2.461 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10107	2.552 ug/L	99
12) 1,1-Dichloroethene	2.14	96	8914	2.611 ug/L	95
13) Acetone	2.19	43	6868	6.744 ug/L	96
14) Carbon disulfide	2.32	76	16461	2.401 ug/L	97
15) Methyl Acetate	2.46	43	4167	2.819 ug/L	100
16) Methylene chloride	2.54	84	14720	3.648 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	17040	2.420 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	6819	2.400 ug/L	89
19) 1,1-Dichloroethane	3.23	63	12634	2.528 ug/L	96
21) 2-Butanone	4.02	43	4565m	4.656 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	7893	2.479 ug/L	93
23) Bromochloromethane	4.31	128	3961	2.518 ug/L	87
25) Chloroform	4.43	83	13043	2.228 ug/L	99
27) 1,2-Dichloroethane	5.18	62	9177	2.468 ug/L	# 94
30) Cyclohexane	4.72	56	10304	2.464 ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	11081	2.369 ug/L	99
32) Carbon tetrachloride	4.87	117	9207	2.162 ug/L	91
34) Benzene	5.14	78	28523	2.488 ug/L	100
35) Trichloroethene	5.96	95	8654	2.639 ug/L	91
36) Methylcyclohexane	6.17	83	11401m	2.288 ug/L	
40) 1,2-Dichloropropane	6.22	63	6475m	2.304 ug/L	
41) Bromodichloromethane	6.55	83	8442	2.258 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	8936	2.082 ug/L	96
43) 4-Methyl-2-pentanone	7.28	43	11278	5.261 ug/L	95

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Quant Time: Apr 01 20:59:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration

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

44) Toluene	7.43	91	30023	2.311	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	7516	2.106	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	6169	2.428	ug/L	87
47) Tetrachloroethene	8.02	164	6823	2.452	ug/L	95
49) 2-Hexanone	8.19	43	6116	4.302	ug/L	96
50) Dibromochloromethane	8.29	129	6012	2.046	ug/L	96
51) 1,2-Dibromoethane	8.40	107	5946	2.334	ug/L #	93
52) Chlorobenzene	8.92	112	21975	2.457	ug/L	96
53) Ethylbenzene	9.06	91	31780	2.214	ug/L	95
54) m,p-Xylene	9.18	106	12973	2.254	ug/L	98
55) o-xylene	9.59	106	11319	2.079	ug/L	98
56) Styrene	9.60	104	18234	2.001	ug/L	97
57) Isopropylbenzene	9.98	105	30455	2.100	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	7638	2.324	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	5719	2.371	ug/L	93
62) Bromoform	9.78	173	3355	2.268	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	15200	2.380	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	17220	2.564	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	15803	2.507	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1040	2.559	ug/L #	71
67) 1,3,5-Trichlorobenzene	12.69	180	9428	2.002	ug/L	87
68) 1,2,4-trichlorobenzene	13.31	180	6668	1.941	ug/L	99
69) Naphthalene	13.55	128	8616	1.596	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	5807	1.804	ug/L #	83

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

Data File : VV010053.D

```
Acq On       : 01 Apr 2019   17:45
Operator    : SY/MD
Sample      : VSTD2.566
Misc        : 5.00G/10mL/MSV0A_V/SOIL
ALS Vial    : 1      Sample Multiplier: 1
```

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Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM040119S.M
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