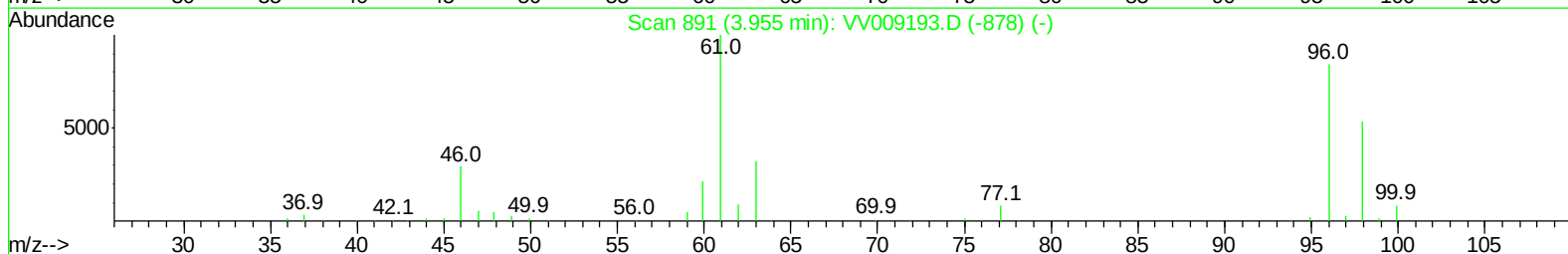
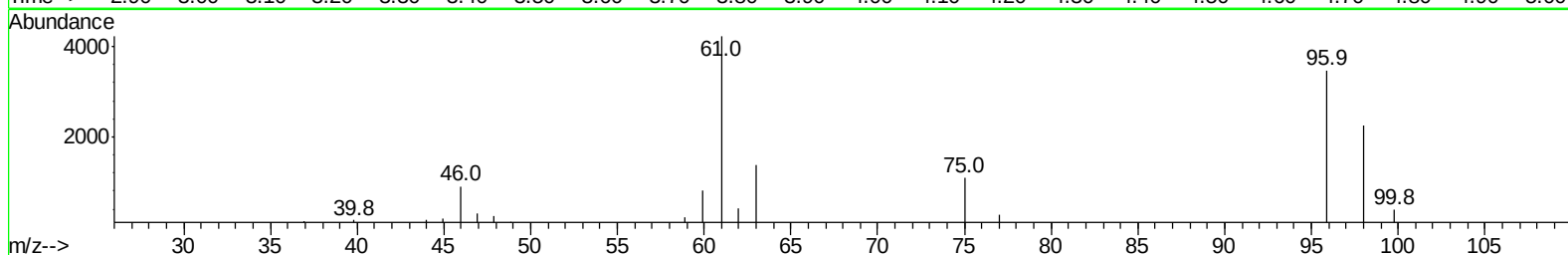
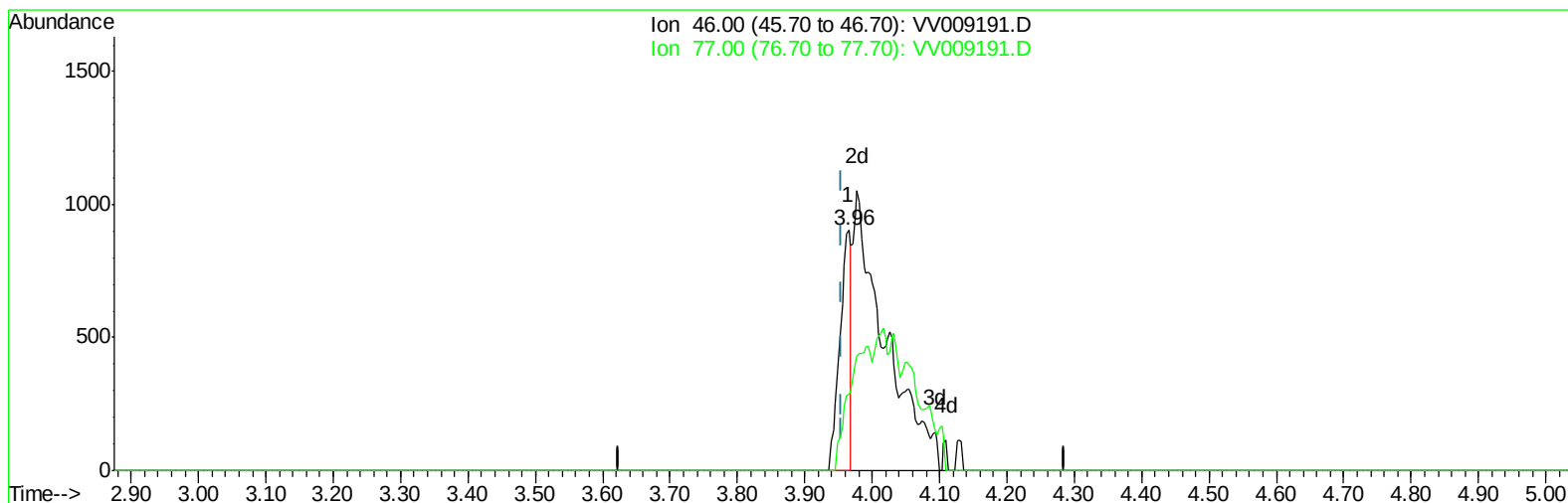


Data File : VV009191.D
Acq On : 08 Jan 2019 13:05
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:25:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration



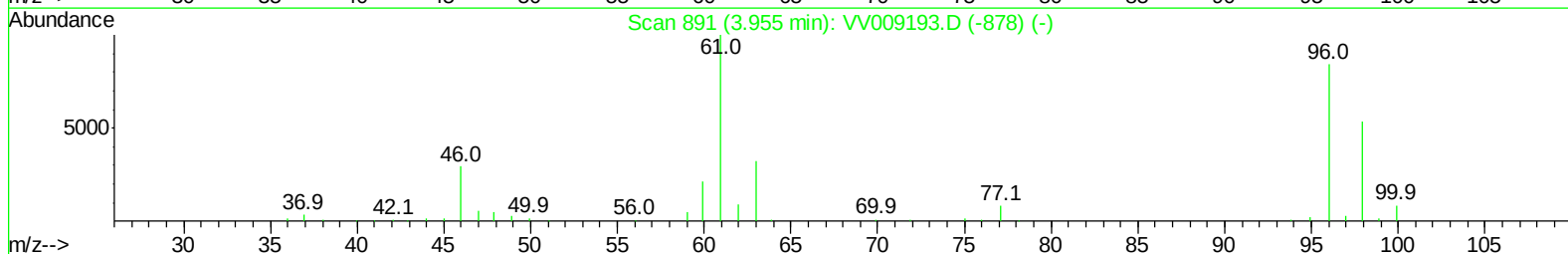
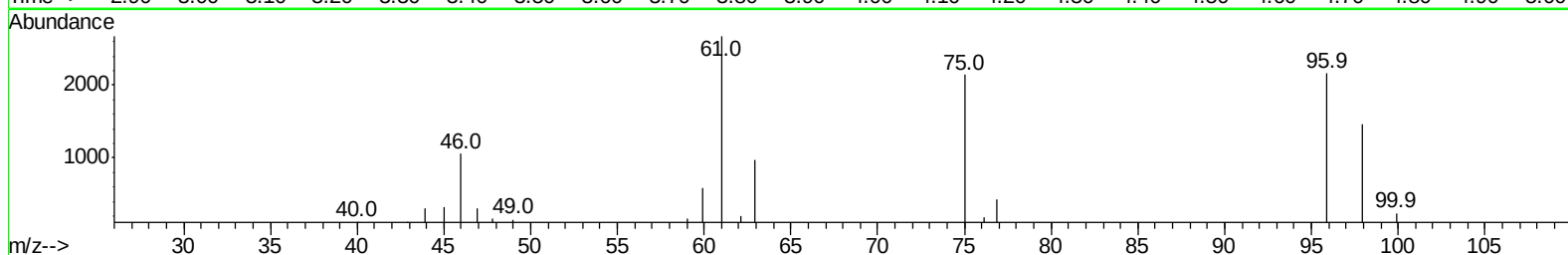
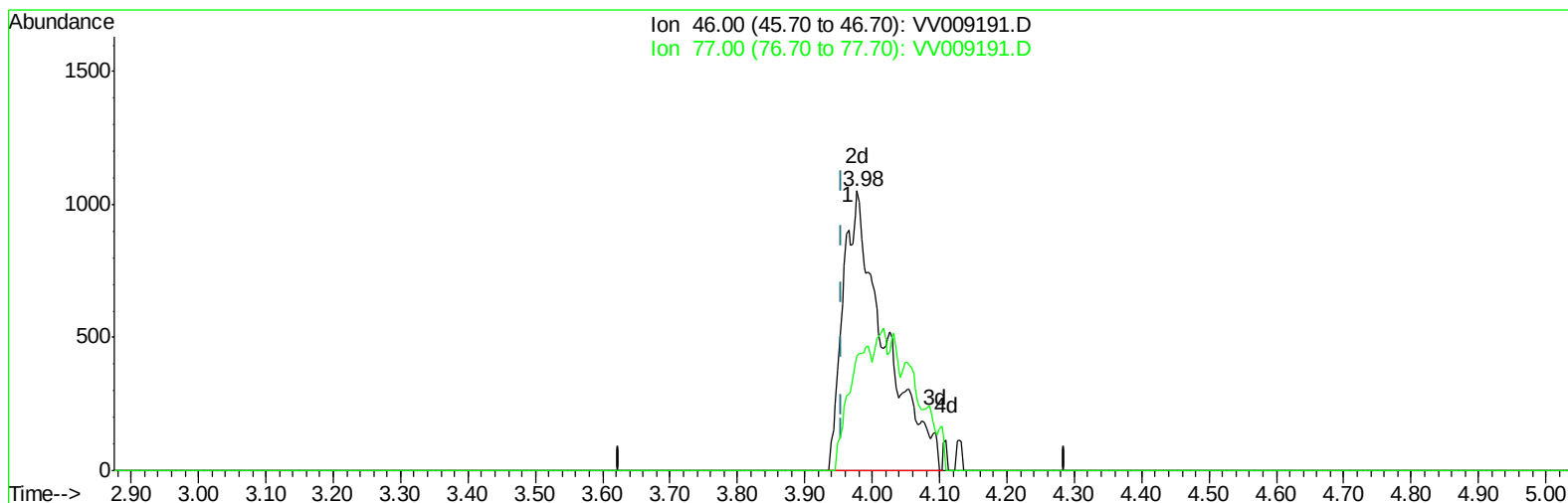
TIC: VV009191.D

(20) 2-Butanone-d5 (S)
3.965min (+0.010) 0.81ug/L
response 1048

Ion	Exp%	Act%
46.00	100	100
77.00	25.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

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Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
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TIC: VV009191.D

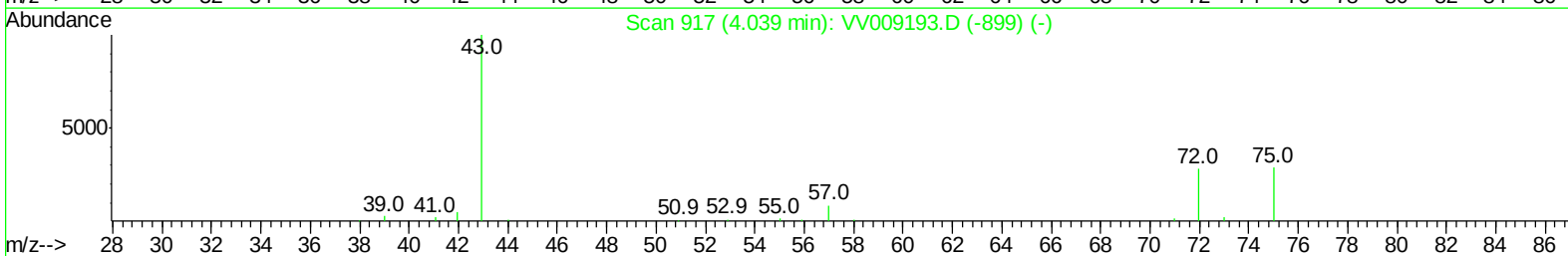
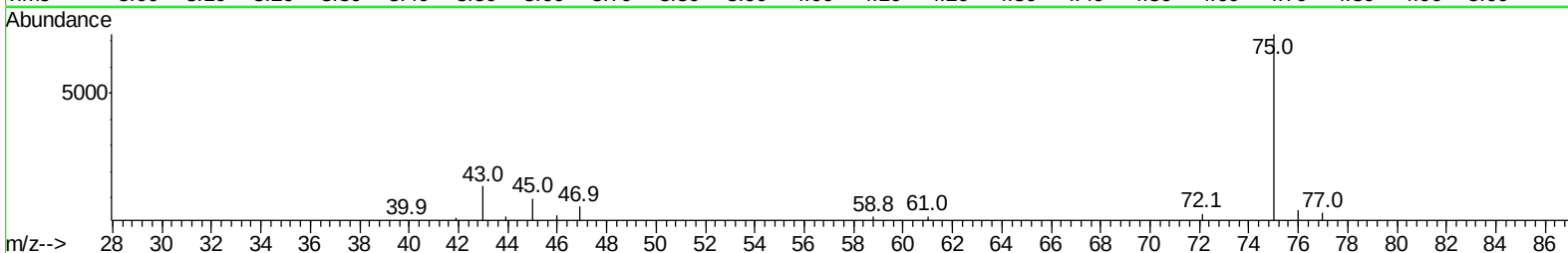
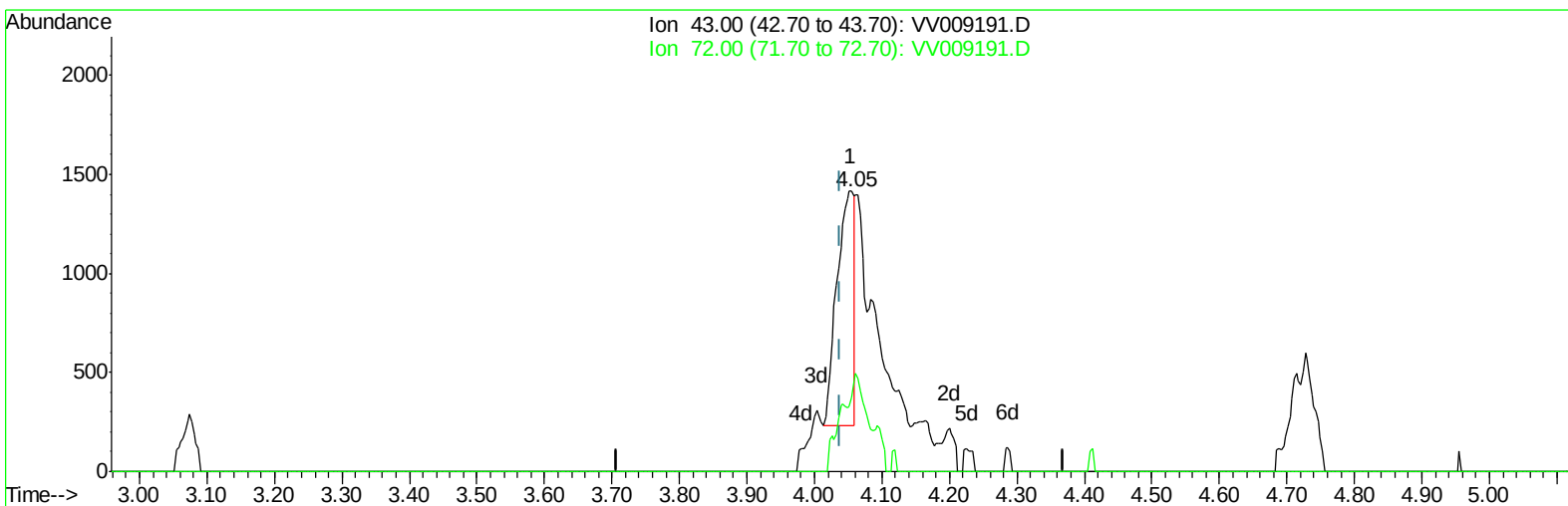
(20) 2-Butanone-d5 (S)
3.978min (+0.022) 3.46ug/L m

response 4490

Ion	Exp%	Act%
46.00	100	100
77.00	25.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV009191.D
Acq On : 08 Jan 2019 13:05
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:25:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration



TIC: VV009191.D

(21) 2-Butanone

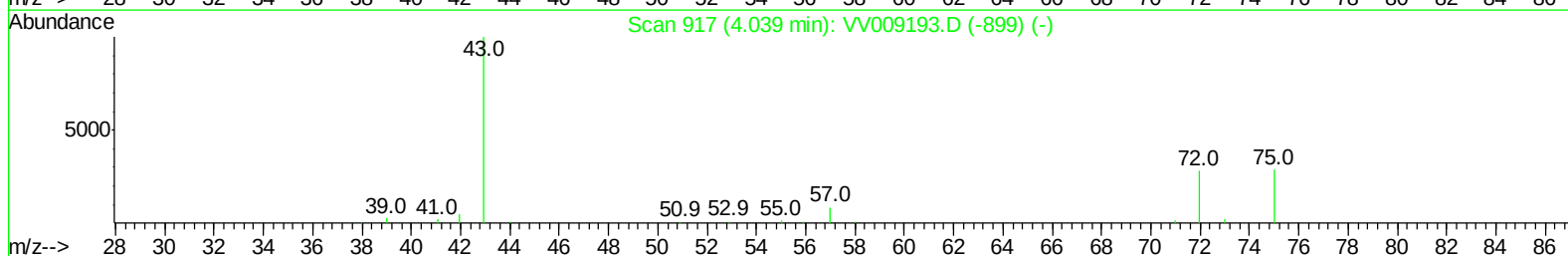
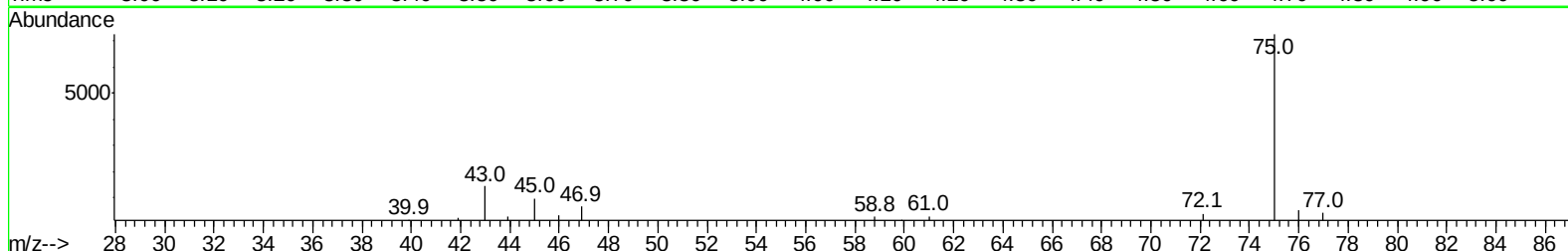
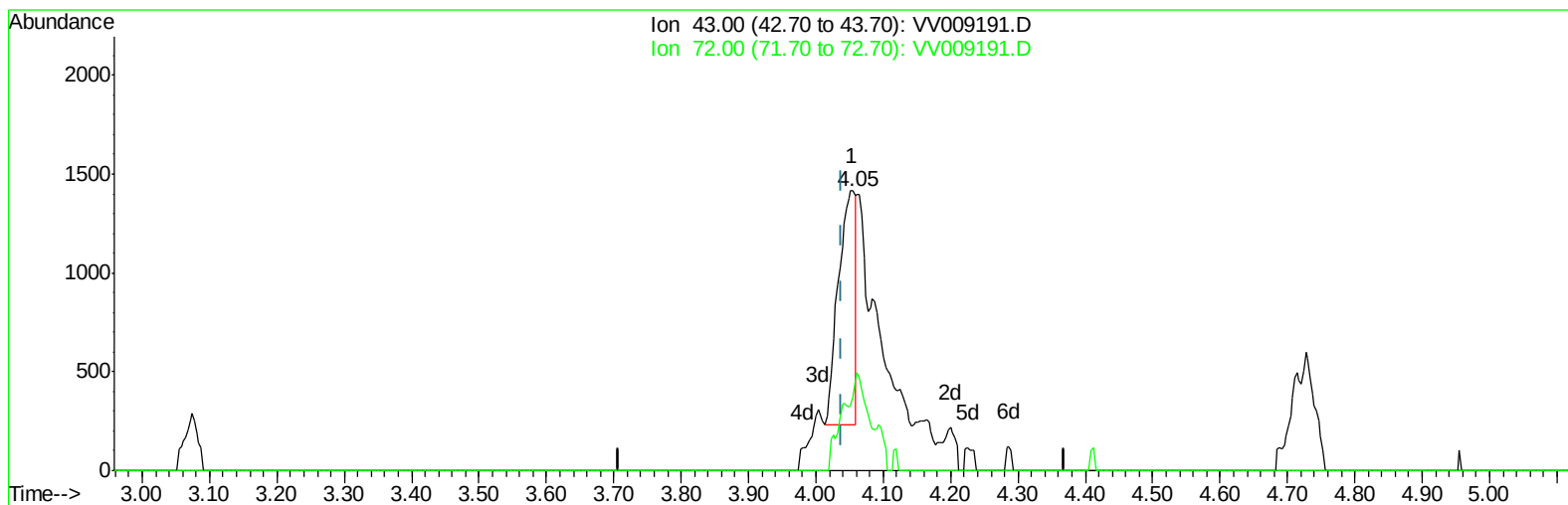
4.055min (+0.016) 1.28ug/L

response 2055

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	20.15
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV009191.D
Acq On : 08 Jan 2019 13:05
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:25:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration



TIC: VV009191.D

(21) 2-Butanone

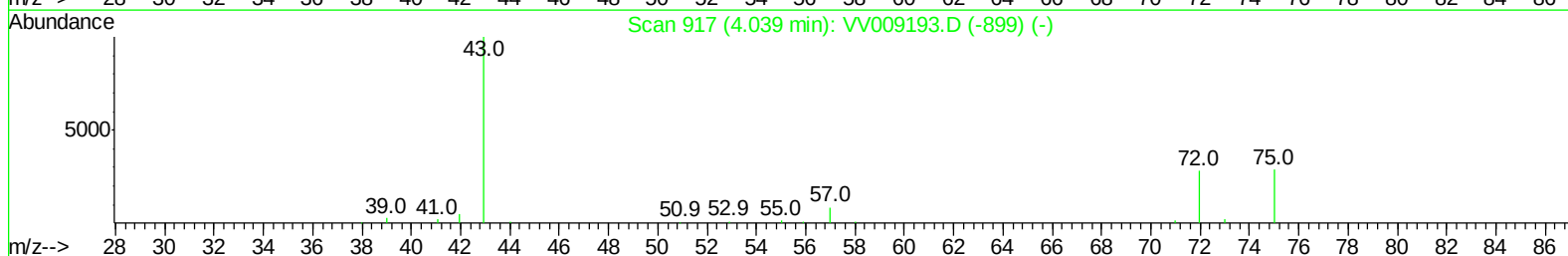
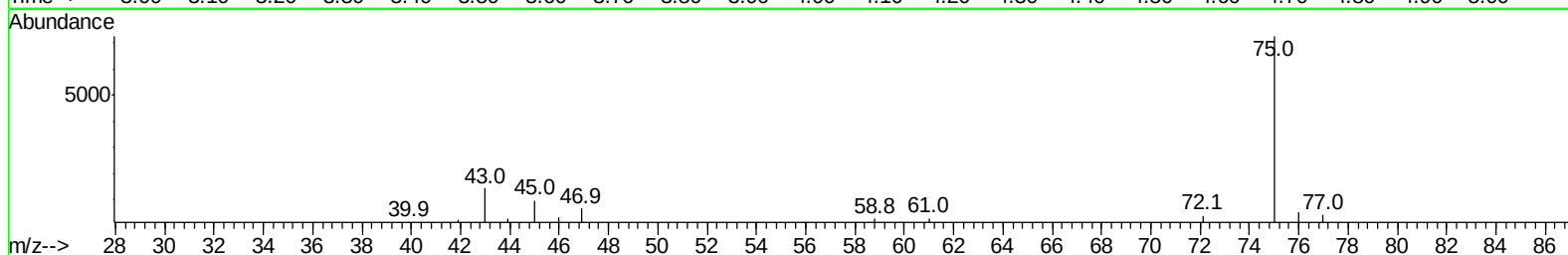
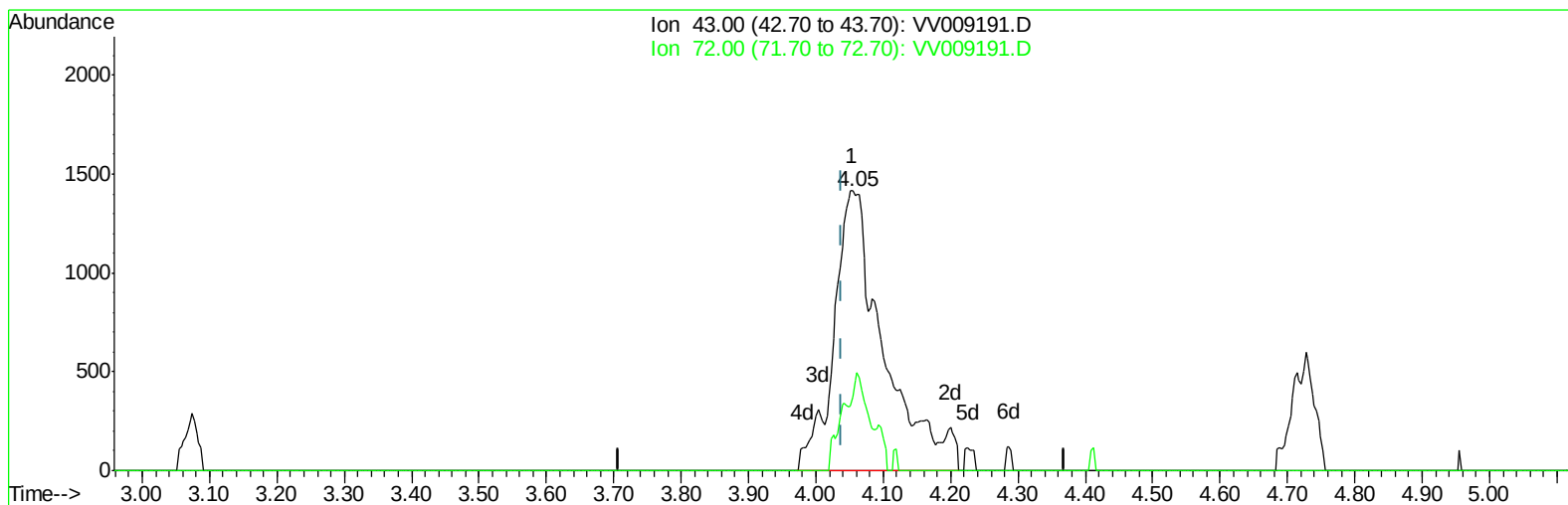
4.055min (+0.016) 1.28ug/L

response 2055

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	20.15
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV009191.D
Acq On : 08 Jan 2019 13:05
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:25:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration



TIC: VV009191.D

(21) 2-Butanone

4.055min (+0.016) 4.52ug/L m

response 7265

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	5.70#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV009191.D
Acq On : 08 Jan 2019 13:05
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	269490	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	247945	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121138	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5264	2.86	ug/L	0.00
7) Chloroethane-d5	1.58	69	5346	2.99	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	15284	2.48	ug/L	0.00
20) 2-Butanone-d5	3.98	46	4490m	3.46	ug/L	0.02
24) Chloroform-d	4.40	84	14645	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7936	2.61	ug/L	0.00
29) Benzene-d6	5.10	84	28393	2.57	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	8278	2.61	ug/L	0.00
37) Toluene-d8	7.36	98	26655	2.56	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	3670	2.44	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	2306	3.08	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	7278	2.09	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	12006	2.93	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	11216	2.589	ug/L	90
3) Chloromethane	1.25	50	6931	2.362	ug/L	92
5) Vinyl chloride	1.32	62	7149	2.276	ug/L	98
6) Bromomethane	1.53	94	5638	2.548	ug/L	97
8) Chloroethane	1.60	64	5184	2.678	ug/L	100
9) Trichlorofluoromethane	1.77	101	13837	2.402	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9062	2.363	ug/L	96
12) 1,1-Dichloroethene	2.14	96	7655	2.301	ug/L	94
13) Acetone	2.22	43	7111	3.869	ug/L	83
14) Carbon disulfide	2.32	76	22617	2.379	ug/L	98
15) Methyl Acetate	2.48	43	4198	1.846	ug/L	99
16) Methylene chloride	2.53	84	10515	2.612	ug/L	90
17) Methyl tert-butyl Ether	2.81	73	18763	2.303	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	8595	2.438	ug/L	95
19) 1,1-Dichloroethane	3.23	63	13833	2.363	ug/L	98
21) 2-Butanone	4.05	43	7265m	4.519	ug/L	
22) cis-1,2-Dichloroethene	3.96	96	9086	2.411	ug/L	88
23) Bromochloromethane	4.30	128	3834	2.162	ug/L	95
25) Chloroform	4.42	83	14386	2.308	ug/L	97
27) 1,2-Dichloroethane	5.18	62	9519	2.273	ug/L #	90
30) Cyclohexane	4.72	56	12627	2.297	ug/L #	91
31) 1,1,1-Trichloroethane	4.66	97	13671	2.268	ug/L	99
32) Carbon tetrachloride	4.87	117	12220	2.215	ug/L	98
34) Benzene	5.15	78	30296	2.273	ug/L	100
35) Trichloroethene	5.96	95	8962	2.334	ug/L	95
36) Methylcyclohexane	6.17	83	14908	2.324	ug/L	99
40) 1,2-Dichloropropane	6.22	63	7831	2.438	ug/L #	90
41) Bromodichloromethane	6.56	83	9735	2.211	ug/L #	96
42) cis-1,3-Dichloropropene	7.07	75	10506	2.064	ug/L	99
43) 4-Methyl-2-pentanone	7.29	43	11901	3.886	ug/L	97

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Quant Title : VOC Analysis
QLast Update : Tue Jan 08 14:22:31 2019
Response via : Initial Calibration

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

44) Toluene	7.43	91	33478	2.330	ug/L	95
45) trans-1,3-Dichloropropene	7.69	75	9416	2.113	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	6346	2.235	ug/L	95
47) Tetrachloroethene	8.02	164	7904	2.376	ug/L	94
49) 2-Hexanone	8.20	43	8772	3.892	ug/L	94
50) Dibromochloromethane	8.29	129	7112	2.039	ug/L	93
51) 1,2-Dibromoethane	8.40	107	6586	2.218	ug/L #	93
52) Chlorobenzene	8.93	112	23680	2.402	ug/L	98
53) Ethylbenzene	9.05	91	37792	2.325	ug/L	98
54) m,p-Xylene	9.18	106	14541	2.296	ug/L	97
55) o-xylene	9.59	106	13633	2.329	ug/L	96
56) Styrene	9.60	104	21899	2.218	ug/L	98
57) Isopropylbenzene	9.98	105	37584	2.314	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	7523	1.977	ug/L	86
59) 1,2,3-Trichloropropane	10.32	75	6666	2.192	ug/L	100
62) Bromoform	9.78	173	4368	2.042	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	20004	2.621	ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	20935	2.631	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	18558	2.552	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1332	1.765	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	16724	2.717	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	12580	2.511	ug/L	93
69) Naphthalene	13.56	128	23432	2.296	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	11883	2.584	ug/L	97

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

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Acq On : 08 Jan 2019 13:05

Operator : SY/MD

Sample : VSTD2.577

Misc : 5.00 G/10ML/MSVOA_V/SOIL

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ALS Vial      : 1      Sample Multiplier: 1
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Quant Time: Jan 08 14:29:23 2019

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM010819S.M

Quant Title : VOC Analysis

QLast Update : Tue Jan 08 14:22:31 2019

Response via : Initial Calibration

