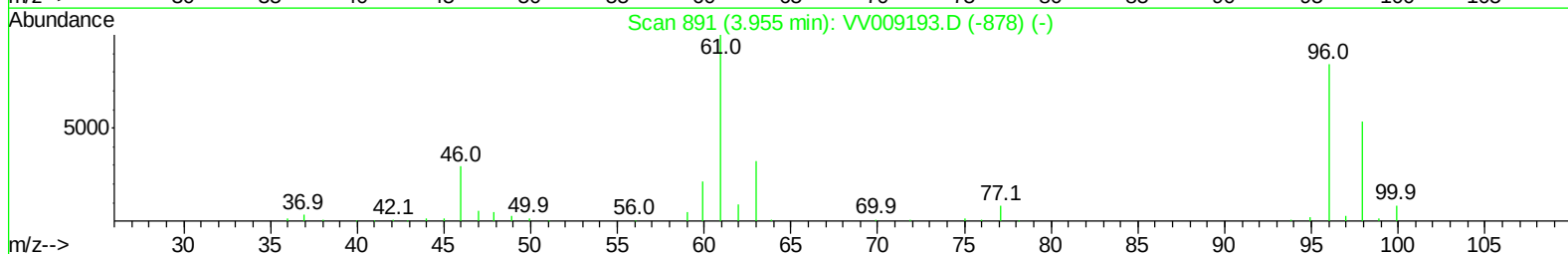
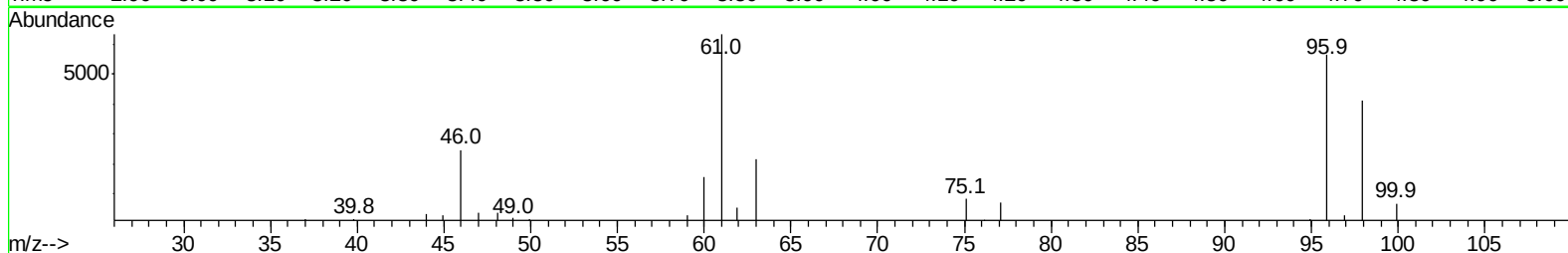
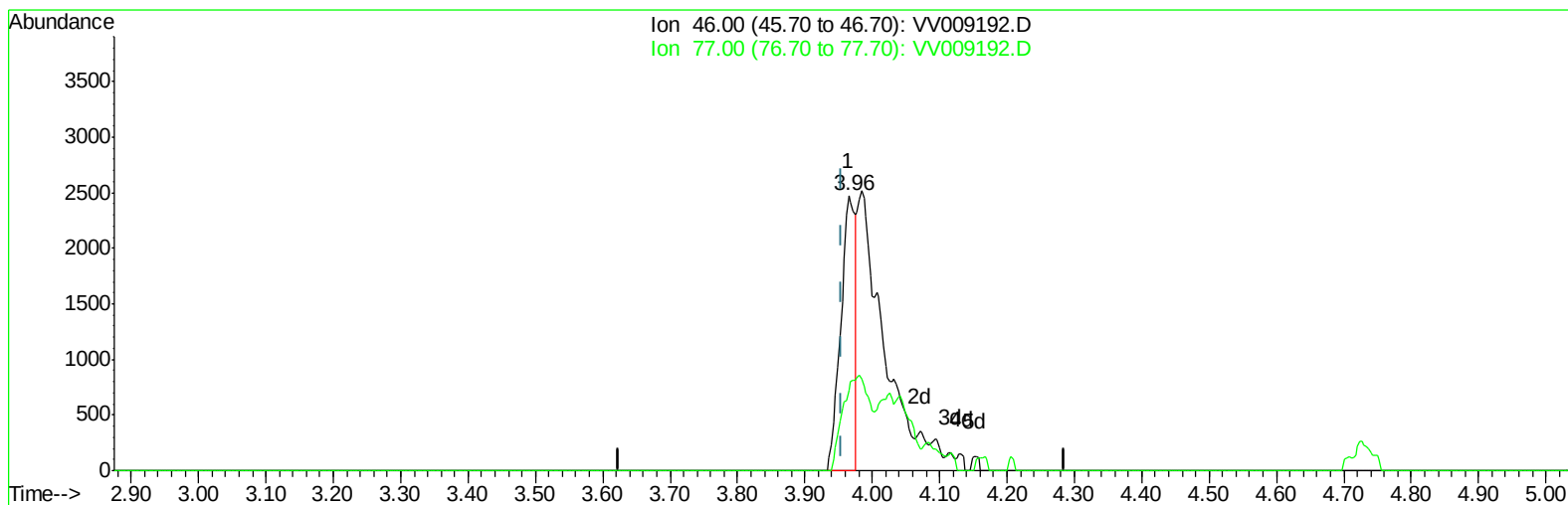


Data File : VV009192.D
Acq On : 08 Jan 2019 13:31
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:26:00 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: VV009192.D

(20) 2-Butanone-d5 (S)

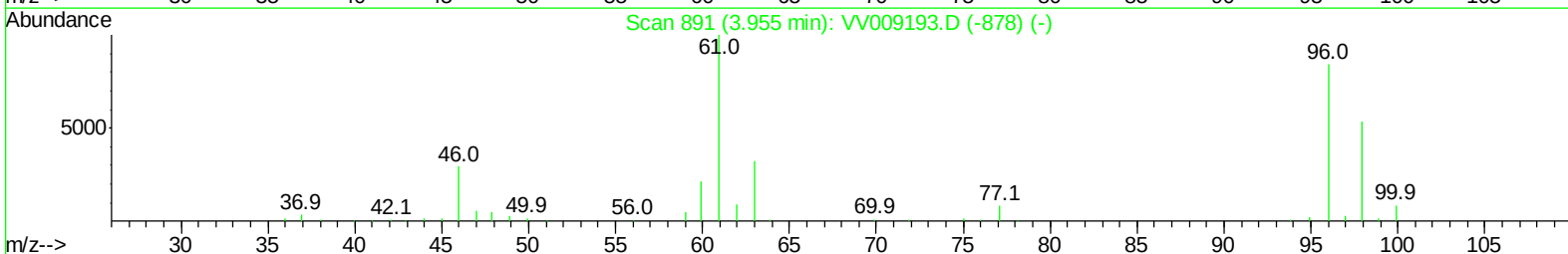
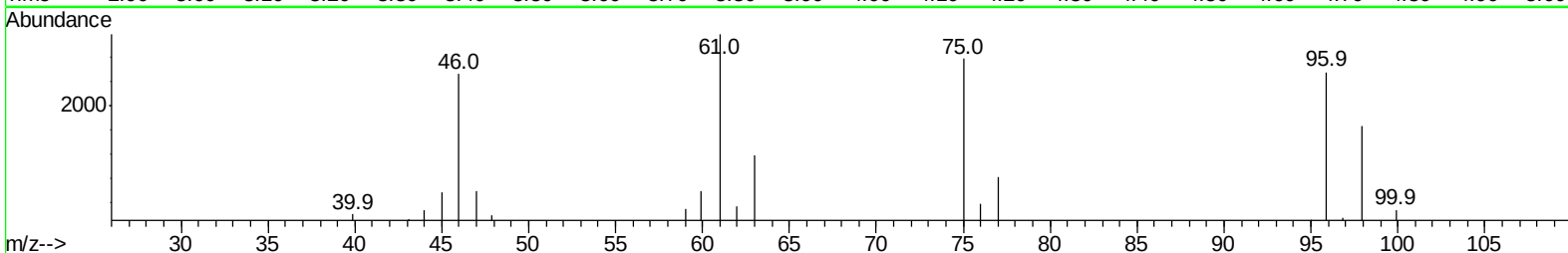
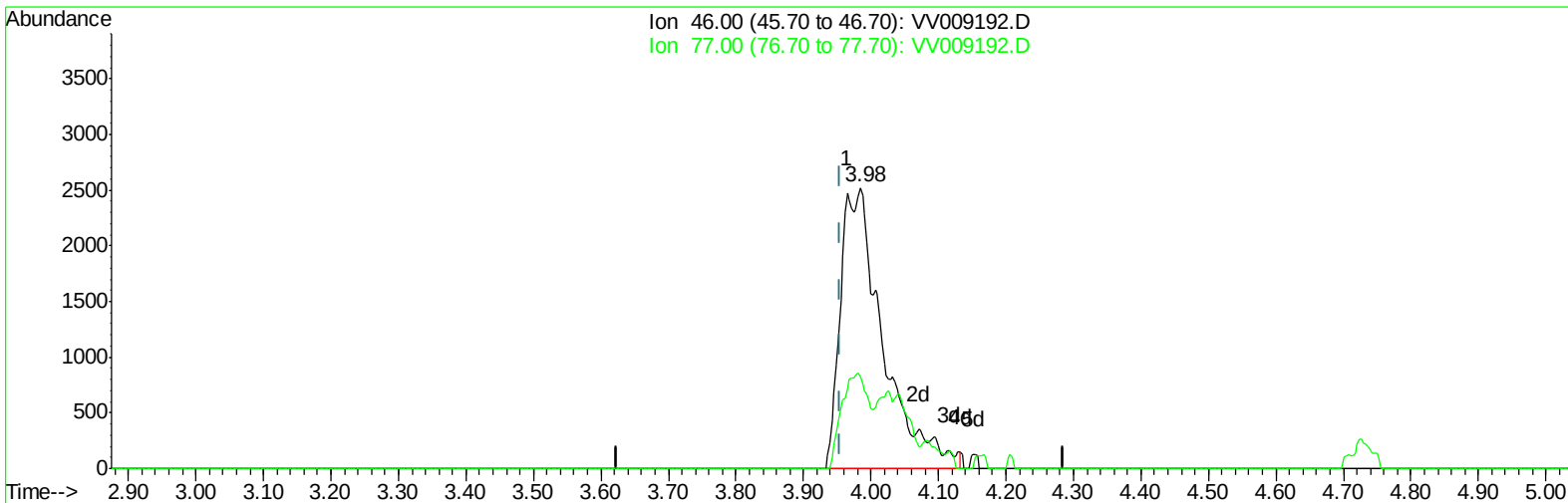
3.965min (+0.010) 3.62ug/L

response 3634

Ion	Exp%	Act%
46.00	100	100
77.00	25.10	32.11
0.00	0.00	0.00
0.00	0.00	0.00

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ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:26:00 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: VV009192.D

(20) 2-Butanone-d5 (S)

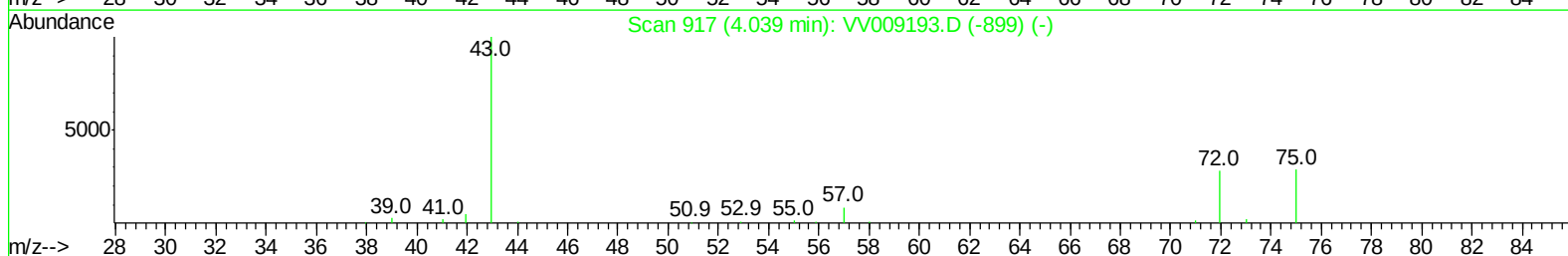
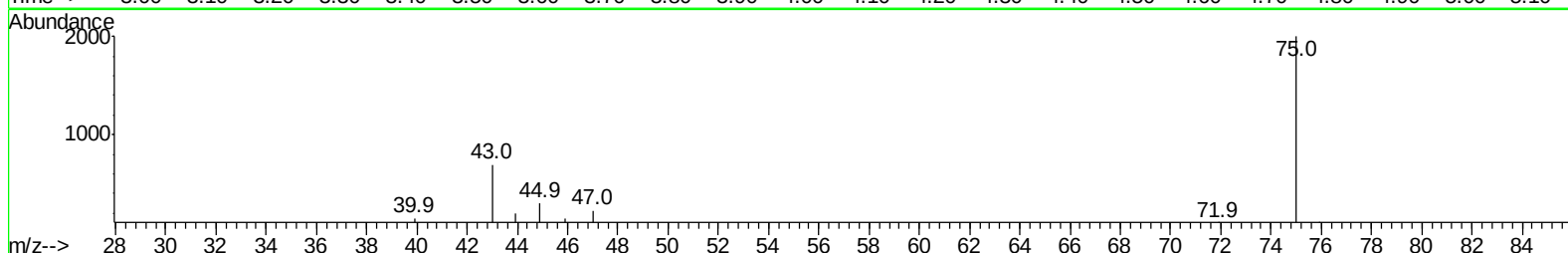
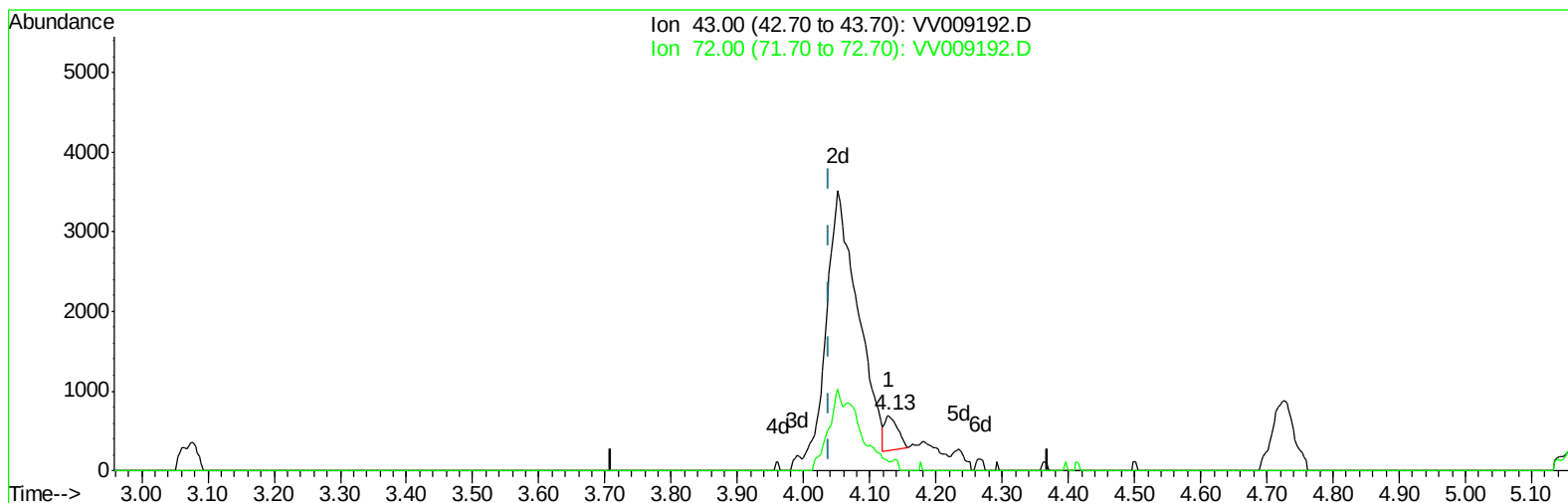
3.984min (+0.029) 10.94ug/L m

response 10994

Ion	Exp%	Act%
46.00	100	100
77.00	25.10	10.61#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV009192.D
Acq On : 08 Jan 2019 13:31
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:26:00 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: VV009192.D

(21) 2-Butanone

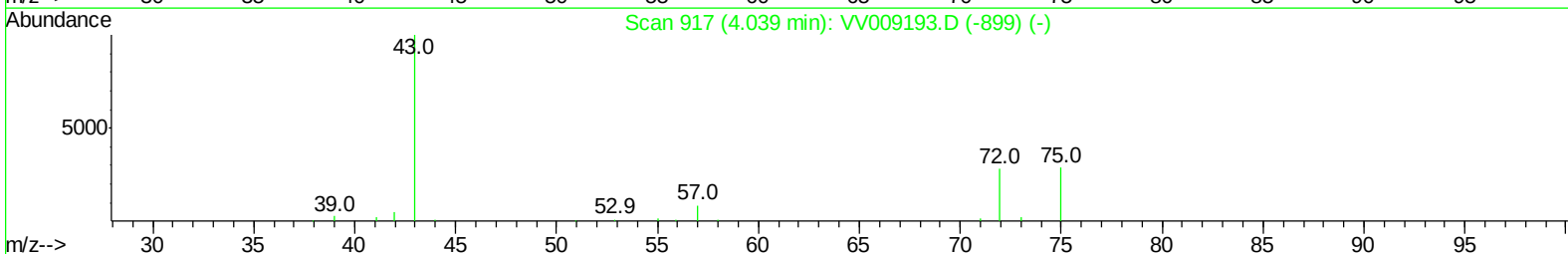
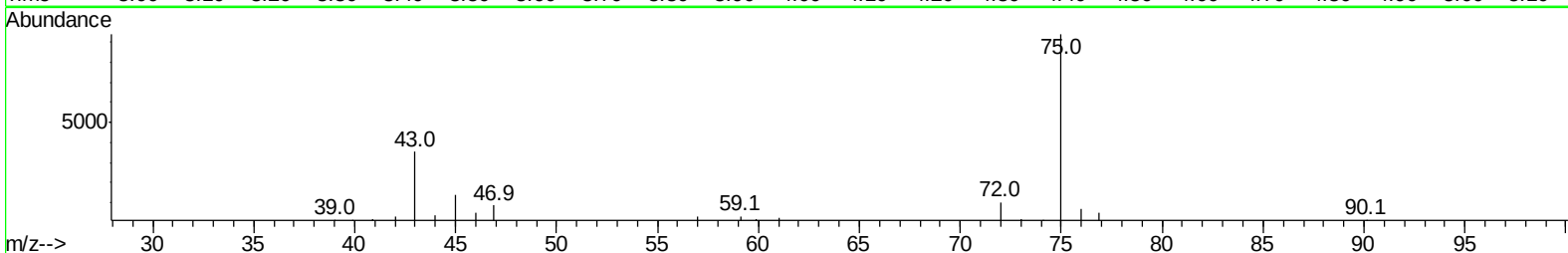
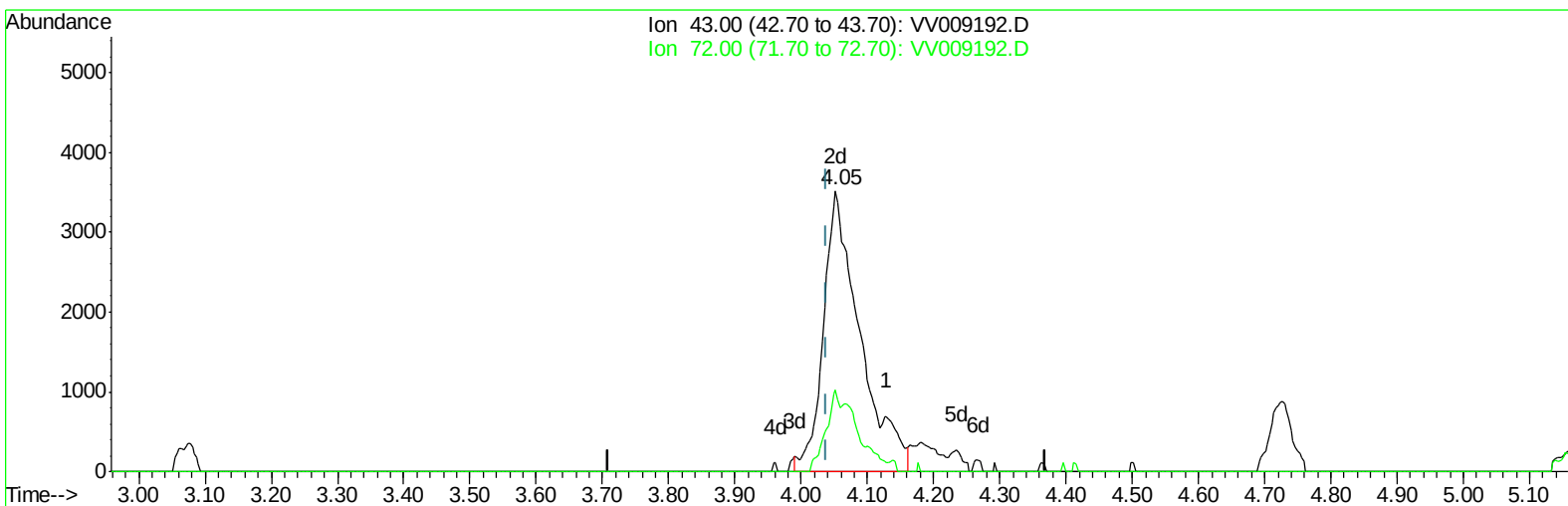
4.129min (+0.090) 0.48ug/L

response 600

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	16.83
0.00	0.00	0.00
0.00	0.00	0.00

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Acq On : 08 Jan 2019 13:31
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:26:00 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: VV009192.D

(21) 2-Butanone

4.052min (+0.013) 10.75ug/L m

response 13391

Ion	Exp%	Act%
43.00	100	100
72.00	25.70	0.75#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV009192.D
Acq On : 08 Jan 2019 13:31
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 14:32:18 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	208904	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	188907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94298	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9004	6.30	ug/L	0.00
7) Chloroethane-d5	1.58	69	7980	5.76	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	26277	5.50	ug/L	0.00
20) 2-Butanone-d5	3.98	46	10994m	10.94	ug/L	0.03
24) Chloroform-d	4.40	84	23377	5.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	12636	5.37	ug/L	0.00
29) Benzene-d6	5.10	84	45818	5.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	13220	5.48	ug/L	0.00
37) Toluene-d8	7.36	98	44005	5.54	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	6329	5.53	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	5977	10.49	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	14164	5.34	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	17586	5.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17051	5.078 ug/L	96
3) Chloromethane	1.25	50	10760	4.731 ug/L	100
5) Vinyl chloride	1.32	62	10853	4.457 ug/L	99
6) Bromomethane	1.54	94	8348	4.867 ug/L	99
8) Chloroethane	1.60	64	7417	4.942 ug/L	99
9) Trichlorofluoromethane	1.77	101	20343	4.556 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13661	4.594 ug/L	97
12) 1,1-Dichloroethene	2.14	96	11875	4.605 ug/L	81
13) Acetone	2.23	43	12766	8.961 ug/L	90
14) Carbon disulfide	2.32	76	35385	4.802 ug/L	98
15) Methyl Acetate	2.47	43	8073	4.580 ug/L #	82
16) Methylene chloride	2.54	84	15055	4.824 ug/L	87
17) Methyl tert-butyl Ether	2.81	73	29480	4.667 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	13441	4.918 ug/L	96
19) 1,1-Dichloroethane	3.23	63	21114	4.653 ug/L	100
21) 2-Butanone	4.05	43	13391m	10.746 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	13354	4.571 ug/L	93
23) Bromochloromethane	4.30	128	6742	4.905 ug/L	93
25) Chloroform	4.43	83	22906	4.740 ug/L	99
27) 1,2-Dichloroethane	5.18	62	15531	4.785 ug/L	98
30) Cyclohexane	4.73	56	19612	4.683 ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	21573	4.697 ug/L	98
32) Carbon tetrachloride	4.87	117	19297	4.590 ug/L	99
34) Benzene	5.15	78	49115	4.836 ug/L	100
35) Trichloroethene	5.96	95	14233	4.865 ug/L	99
36) Methylcyclohexane	6.18	83	23203	4.747 ug/L	99
40) 1,2-Dichloropropane	6.22	63	11245	4.594 ug/L	99
41) Bromodichloromethane	6.56	83	15661	4.668 ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	16637	4.289 ug/L	94
43) 4-Methyl-2-pentanone	7.29	43	21805	9.346 ug/L	98

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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	51840	4.735	ug/L	99
45) trans-1,3-Dichloropropene	7.70	75	14525	4.277	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	10653	4.924	ug/L	97
47) Tetrachloroethene	8.02	164	12022	4.743	ug/L	97
49) 2-Hexanone	8.20	43	16219	9.446	ug/L	95
50) Dibromochloromethane	8.29	129	12105	4.555	ug/L	87
51) 1,2-Dibromoethane	8.40	107	10482	4.634	ug/L	97
52) Chlorobenzene	8.93	112	35740	4.757	ug/L	94
53) Ethylbenzene	9.06	91	56618	4.573	ug/L	100
54) m,p-Xylene	9.18	106	21643	4.486	ug/L	98
55) o-xylene	9.59	106	20678	4.636	ug/L	95
56) Styrene	9.60	104	33302	4.426	ug/L	99
57) Isopropylbenzene	9.98	105	56205	4.541	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	13599	4.692	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	11041	4.766	ug/L	100
62) Bromoform	9.78	173	7807	4.688	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	27883	4.693	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	28762	4.644	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	27120	4.792	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3055	5.199	ug/L #	71
67) 1,3,5-Trichlorobenzene	12.69	180	21804	4.550	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	16313	4.183	ug/L	98
69) Naphthalene	13.56	128	28599	3.600	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	14929	4.171	ug/L	97

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

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Acq On : 08 Jan 2019 13:31

Operator : SY/MD

Sample : VSTD00578

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 14:32:18 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

