

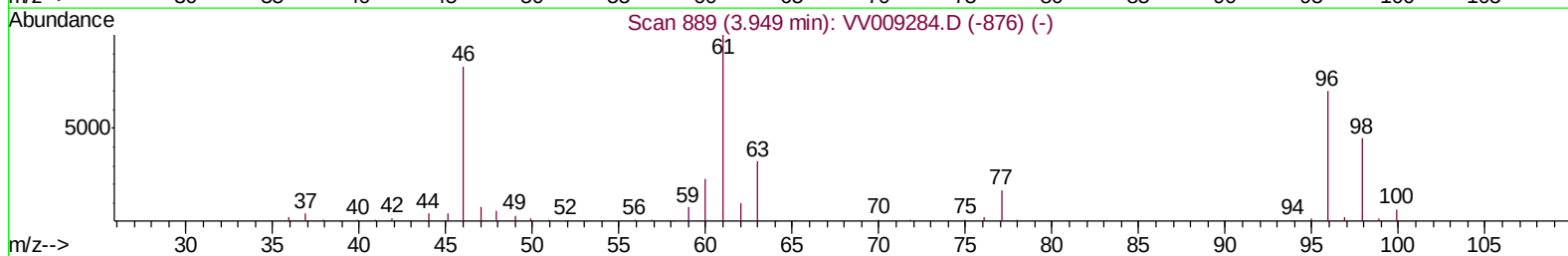
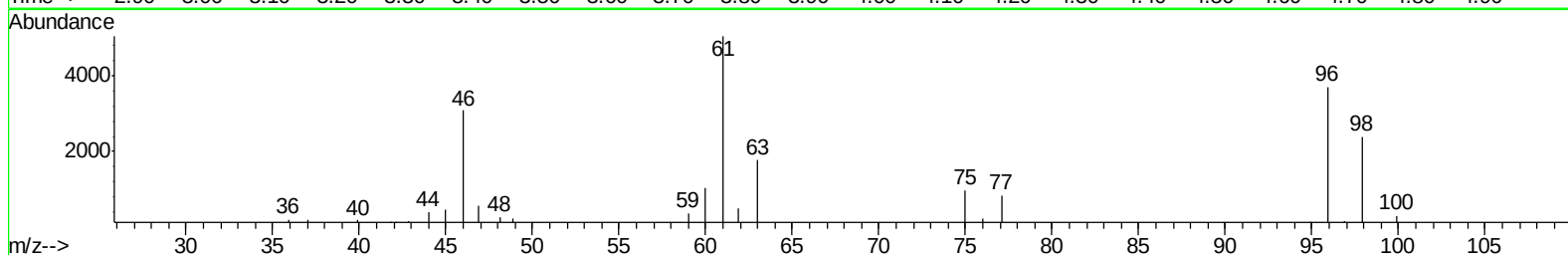
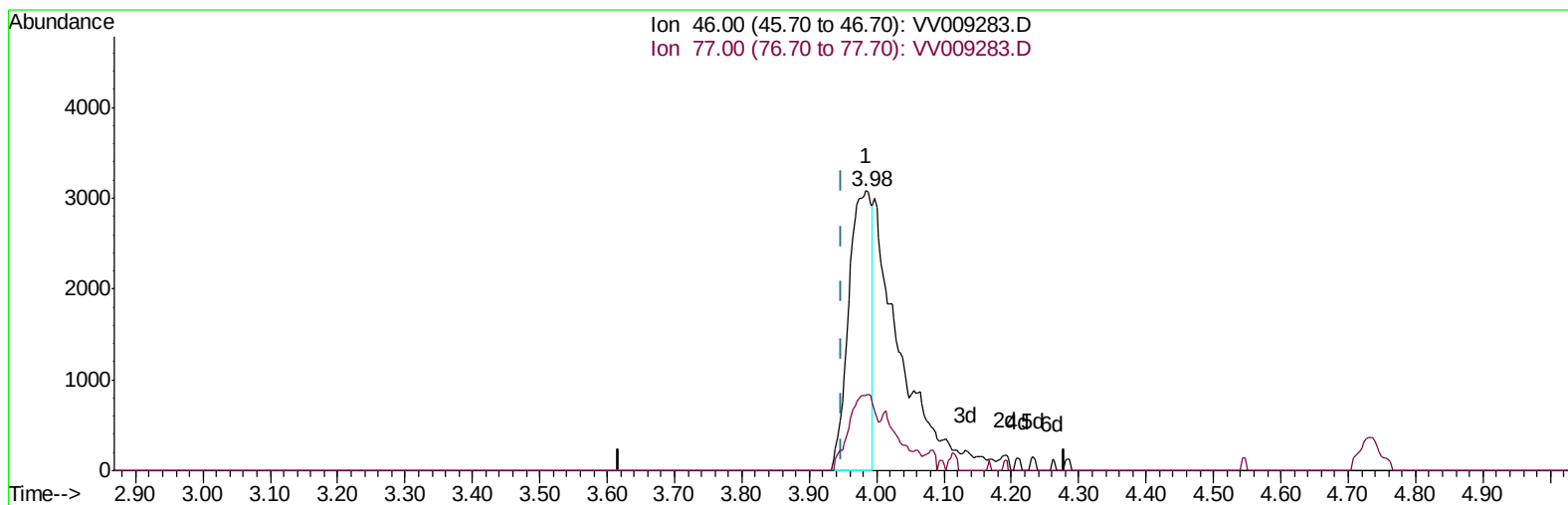
Data File : VV009283.D
Acq On : 12 Feb 2019 12:55
Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Manual Integrations
APPROVED

mohammad
2/16/2019 1:24:47 AM

Quant Time: Feb 13 07:18:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021219S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 07:15:20 2019
Response via : Initial Calibration



TIC: VV009283.D

(20) 2-Butanone-d5 (S)

3.984min (+0.035) 7.46ug/L

response 7322

Ion	Exp%	Act%
46.00	100	100
77.00	21.50	20.84
0.00	0.00	0.00
0.00	0.00	0.00

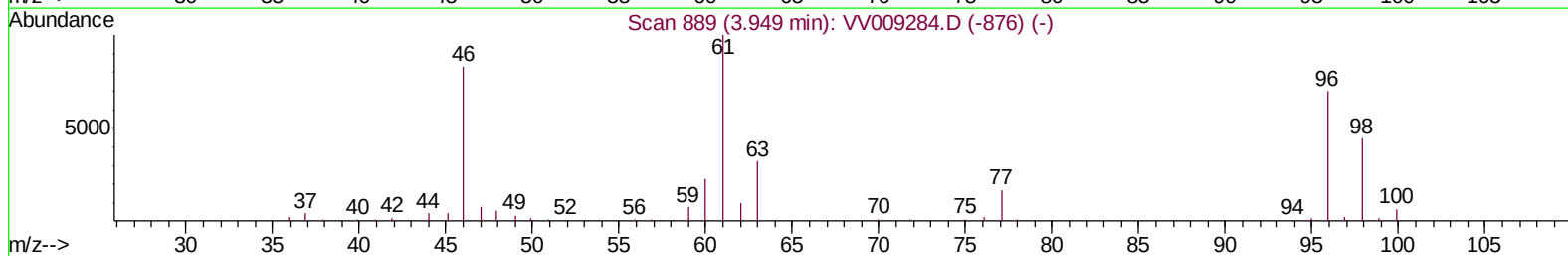
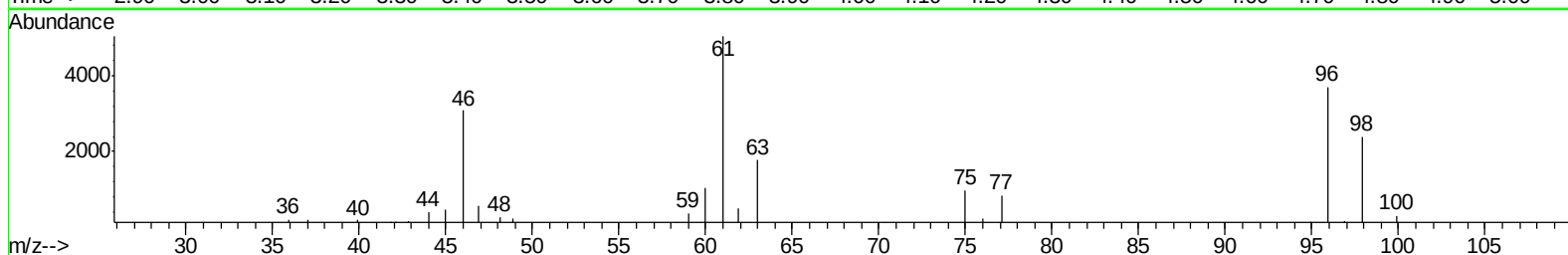
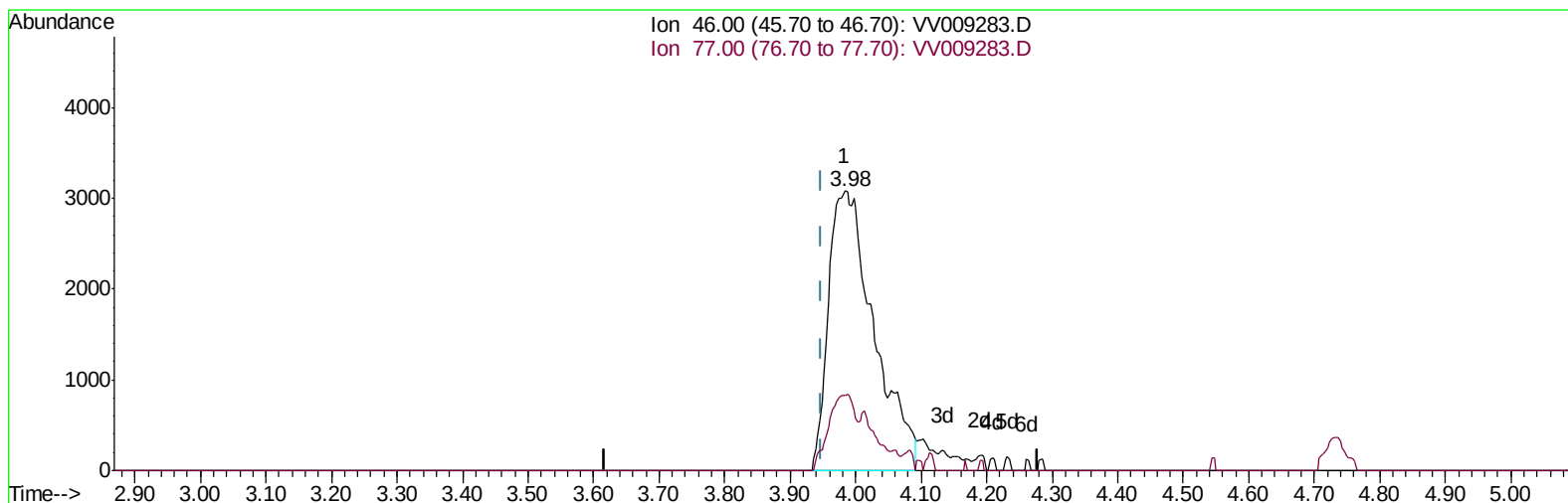
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(20) 2-Butanone-d5 (S)

3.984min (+0.035) 15.04ug/L m

response 14751

Ion	Exp%	Act%
46.00	100	100
77.00	21.50	10.35#
0.00	0.00	0.00
0.00	0.00	0.00

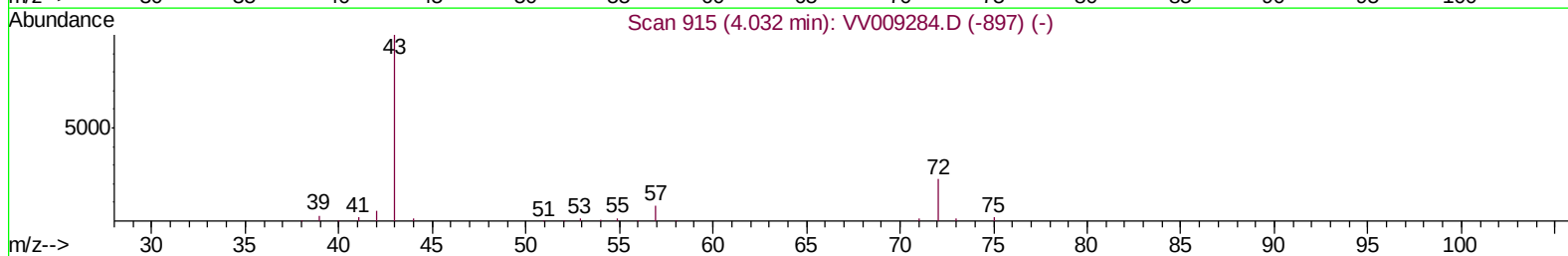
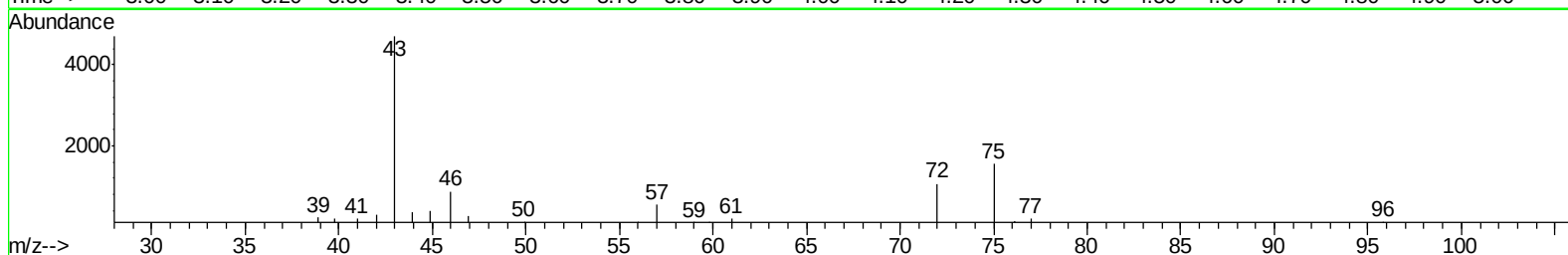
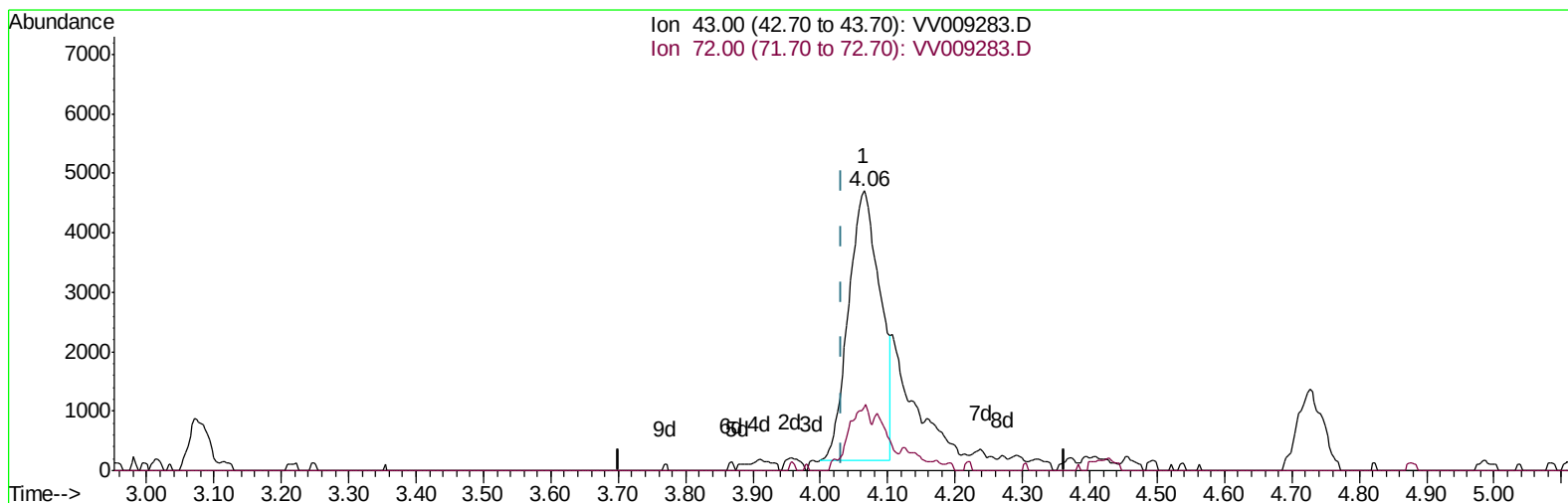
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Sample : VSTD00562
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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TIC: VV009283.D

(21) 2-Butanone

4.064min (+0.032) 10.32ug/L

response 14788

Ion	Exp%	Act%
43.00	100	100
72.00	21.10	14.20
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VV009283.D

Acq On : 12 Feb 2019 12:55

Operator : SY/MD

Sample : VSTD00562

Misc : 5.00G/10ML/MSVOA_V/SOIL

ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations
APPROVED

mohammad
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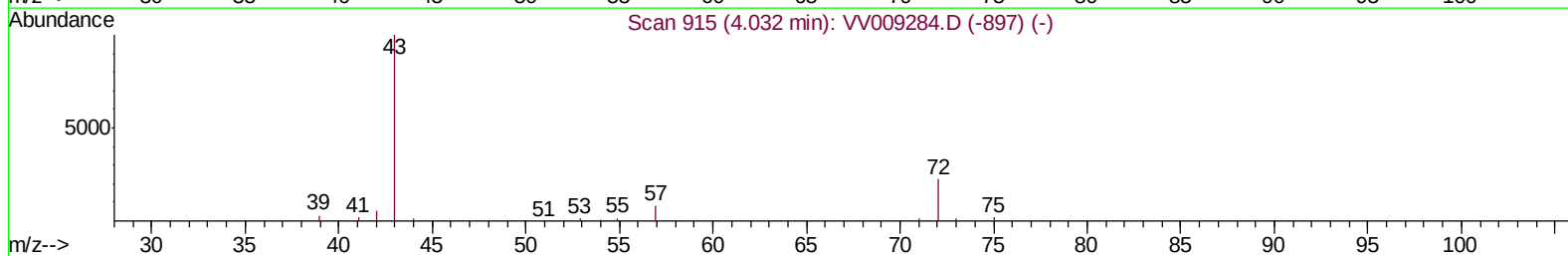
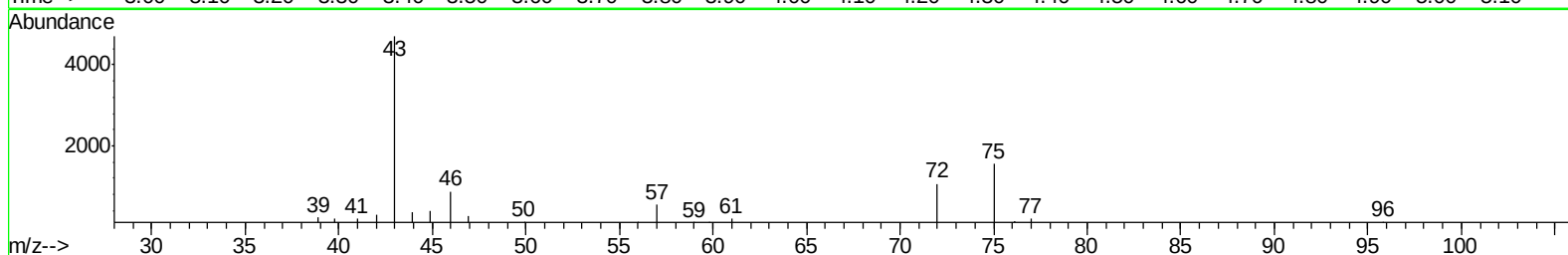
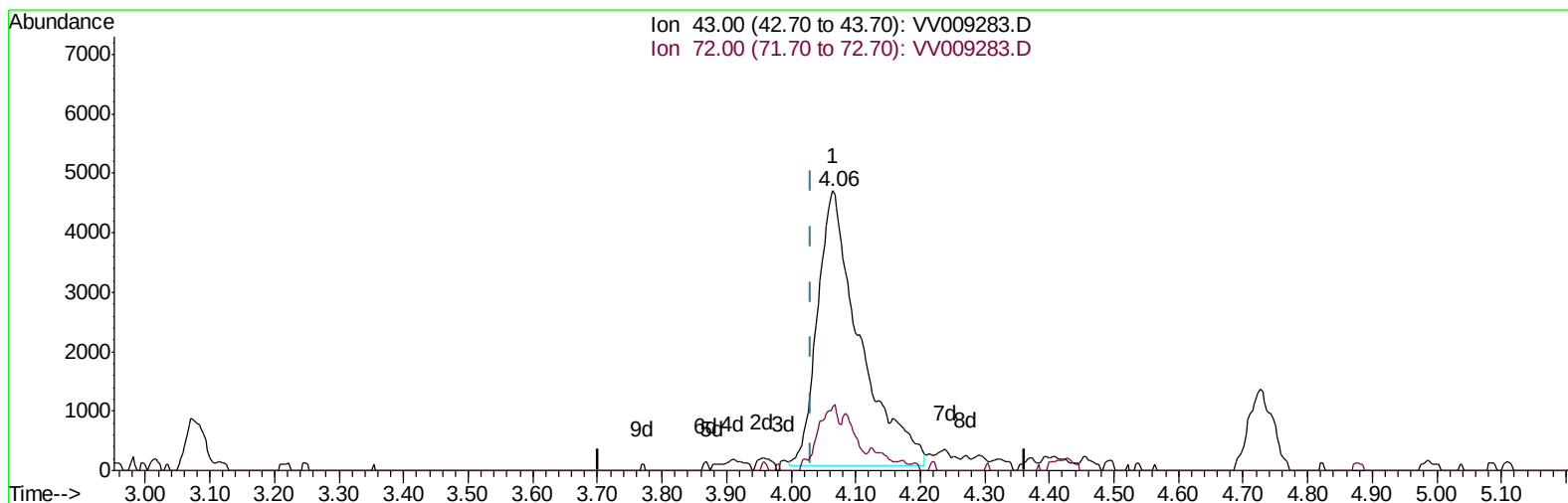
Quant Time: Feb 13 07:18:43 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021219S.M

Quant Title : VOC Analysis

QLast Update : Wed Feb 13 07:15:20 2019

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TIC: VV009283.D

(21) 2-Butanone

4.064min (+0.032) 14.61ug/L m

response 20936

Ion	Exp%	Act%
43.00	100	100
72.00	21.10	10.03#
0.00	0.00	0.00
0.00	0.00	0.00

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Instrument :
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Manual Integrations
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Quant Time: Feb 13 07:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021219S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 07:15:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	204707	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198819	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93213	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19890	9.40	ug/L	0.00
7) Chloroethane-d5	1.59	69	14376	8.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	39896	7.39	ug/L	0.00
20) 2-Butanone-d5	3.98	46	14751m	15.04	ug/L	0.04
24) Chloroform-d	4.40	84	32783	6.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	18523	6.63	ug/L	0.00
29) Benzene-d6	5.10	84	62295	6.04	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	19224	6.38	ug/L	0.00
37) Toluene-d8	7.36	98	55189	5.70	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	7658	5.26	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	7396	11.92	ug/L	0.01
48) 1,1,2,2-Tetrachloroethane-	10.26	84	18328	6.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	19539	5.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21810	6.481 ug/L	95
3) Chloromethane	1.25	50	22486	8.918 ug/L	98
5) Vinyl chloride	1.32	62	23069	8.957 ug/L	97
6) Bromomethane	1.54	94	11841	6.948 ug/L	99
8) Chloroethane	1.60	64	12328	8.395 ug/L	90
9) Trichlorofluoromethane	1.77	101	29009	6.354 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	17141	6.063 ug/L	96
12) 1,1-Dichloroethene	2.14	96	15804	6.375 ug/L	93
13) Acetone	2.23	43	20762	14.911 ug/L	84
14) Carbon disulfide	2.32	76	60276	7.278 ug/L	99
15) Methyl Acetate	2.48	43	13483	8.095 ug/L	97
16) Methylene chloride	2.54	84	26172	8.593 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	40283	6.112 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	17974	6.390 ug/L	98
19) 1,1-Dichloroethane	3.23	63	33271	7.025 ug/L	99
21) 2-Butanone	4.06	43	20936m	14.608 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	18106	6.122 ug/L	98
23) Bromochloromethane	4.30	128	8105	5.834 ug/L	92
25) Chloroform	4.43	83	32823	6.622 ug/L	99
27) 1,2-Dichloroethane	5.18	62	22674	6.519 ug/L	100
30) Cyclohexane	4.72	56	31436	6.720 ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	28698	5.987 ug/L	99
32) Carbon tetrachloride	4.88	117	25607	5.882 ug/L	96
34) Benzene	5.15	78	67332	6.061 ug/L	100
35) Trichloroethene	5.96	95	18542	5.906 ug/L	96
36) Methylcyclohexane	6.18	83	29716	5.657 ug/L	96
40) 1,2-Dichloropropane	6.23	63	18486	6.641 ug/L #	97
41) Bromodichloromethane	6.56	83	22765	6.089 ug/L	93
42) cis-1,3-Dichloropropene	7.07	75	23359	5.528 ug/L	98
43) 4-Methyl-2-pentanone	7.29	43	33403	14.184 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	71450	5.991	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	20717	5.485	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	13441	5.717	ug/L	98
47) Tetrachloroethene	8.02	164	14146	5.387	ug/L	95
49) 2-Hexanone	8.20	43	25850	13.380	ug/L	96
50) Dibromochloromethane	8.29	129	14595	5.171	ug/L	94
51) 1,2-Dibromoethane	8.40	107	13273	5.562	ug/L	94
52) Chlorobenzene	8.93	112	44760	5.595	ug/L	98
53) Ethylbenzene	9.06	91	75565	5.641	ug/L	98
54) m,p-Xylene	9.18	106	28317	5.553	ug/L	97
55) o-xylene	9.59	106	26299	5.439	ug/L	95
56) Styrene	9.61	104	43440	5.359	ug/L	95
57) Isopropylbenzene	9.98	105	71060	5.362	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	20054	6.579	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	15662	6.459	ug/L	100
62) Bromoform	9.78	173	9236	5.623	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	34160	5.714	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	34004	5.572	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	31682	5.586	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3826	6.776	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	24510	5.182	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	17845	4.712	ug/L	98
69) Naphthalene	13.56	128	29792	3.964	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	15503	4.440	ug/L	98

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

Data File : VV009283.D

```
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Operator    : SY/MD
Sample      : VSTD00562
Misc       : 5.00G/10ML/MSV0A_V/SOIL
ALS Vial    : 3      Sample Multiplier: 1
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