Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051419\

Quantitation Report (LSC Reviewed)

Data File : VV010895.D
Acq On : 15 May 2019 12:05
Operator : SY/MD
Sample : K2788-08
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A5196

Quant Time: May 16 07:52:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 07:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	156262	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153711	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63716	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	38837	19.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 78.04%			
7) Chloroethane-d5	1.57	69	29519	22.75	ug/L	0.02
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.00%			
10) 1,1-Dichloroethene-d2	2.12	63	62127	16.49	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 65.96%			
20) 2-Butanone-d5	3.93	46	33234	53.06	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.12%			
24) Chloroform-d	4.40	84	91860	20.36	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 81.44%			
26) 1,2-Dichloroethane-d4	5.08	65	52925	20.63	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 82.52%			
29) Benzene-d6	5.09	84	188669	22.18	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.72%			
33) 1,2-Dichloropropane-d6	6.12	67	60532	22.30	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.20%			
37) Toluene-d8	7.36	98	164098	20.07	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 80.28%			
38) trans-1,3-Dichloropropene-	7.66	79	22679	19.15	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 76.60%			
39) 2-Hexanone-d5	8.13	63	27075	52.64	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.28%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56267	22.35	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.40%			
61) 1,2-Dichlorobenzene-d4	11.67	152	57839	21.73	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 86.92%			
Target Compounds						Qvalue
13) Acetone	2.19	43	7995	12.532	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	4089	1.225	ug/L #	94
47) Tetrachloroethene	8.02	164	9215	5.371	ug/L	95

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

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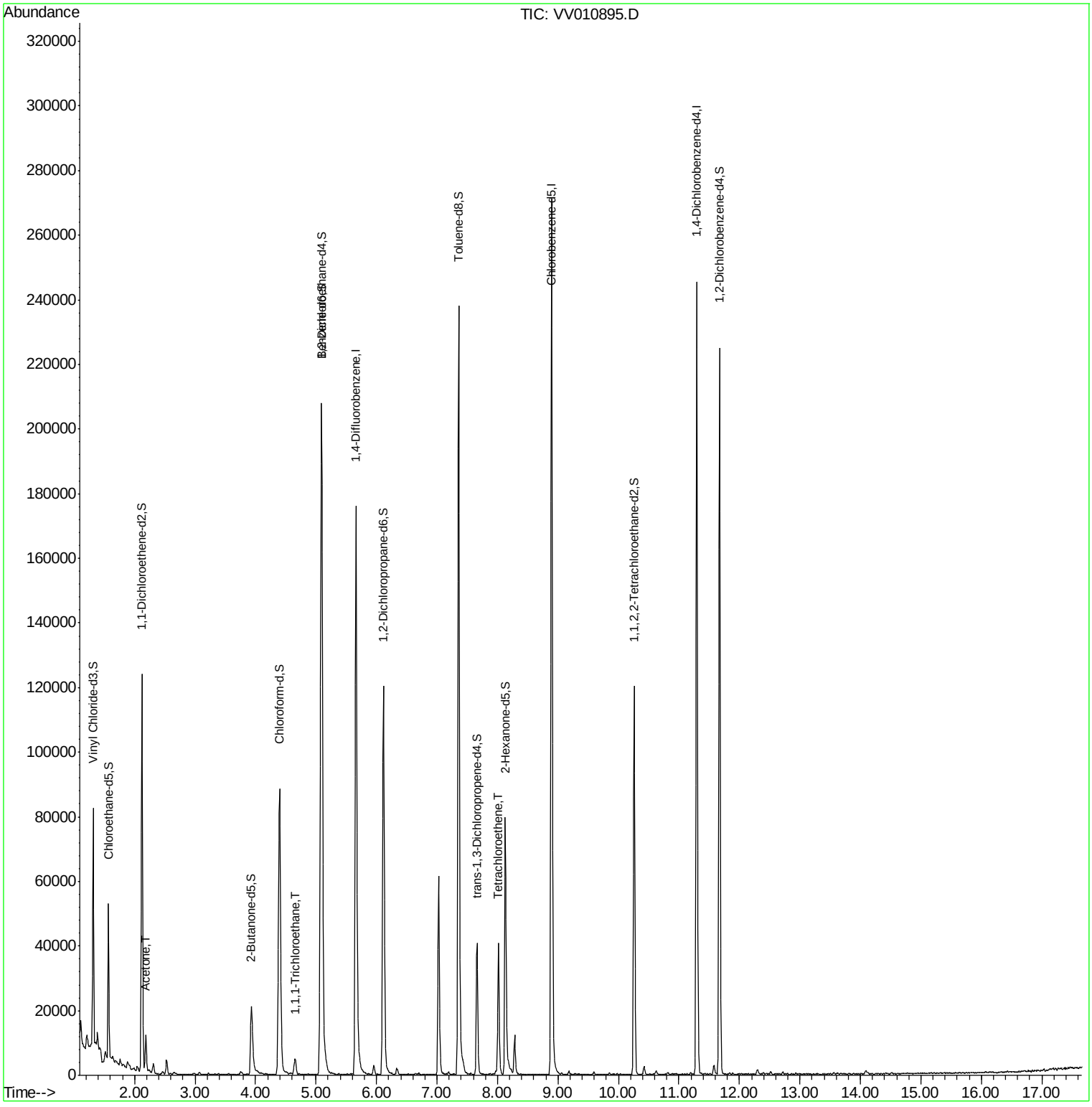
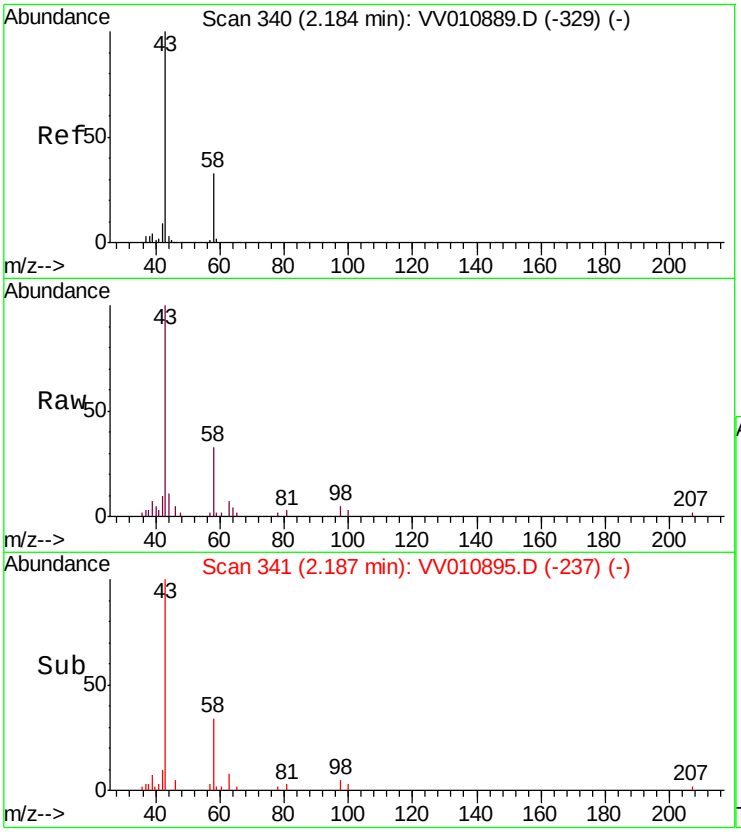
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 07:25:32 2019
Response via : Initial Calibration



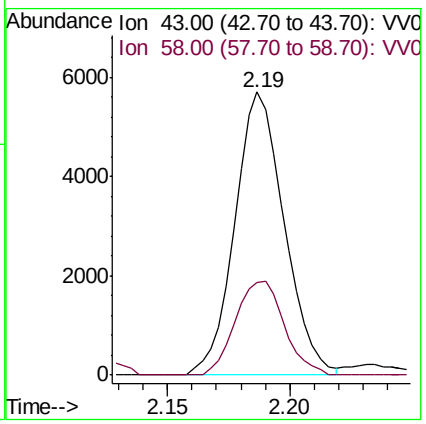


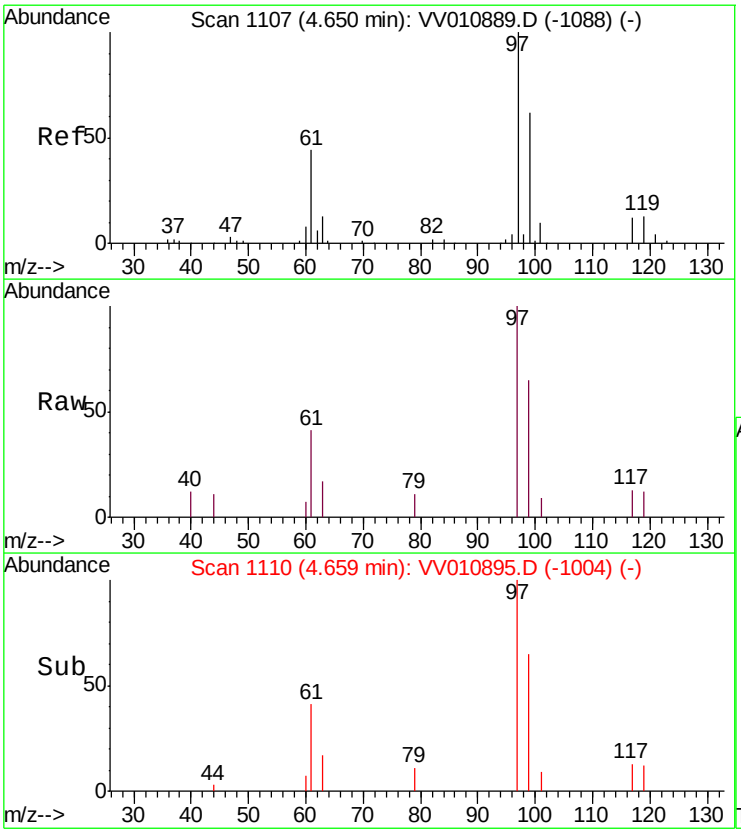
#13
Acetone
Concen: 12.532 ug/L
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VV010895.D
Acq: 15 May 2019 12:05

Instrument :
MSVOA_V
ClientSampleId :
A5196

Tgt Ion: 43 Resp: 7995

Ion	Ratio	Lower	Upper
43	100		
58	32.9	0.0	69.2

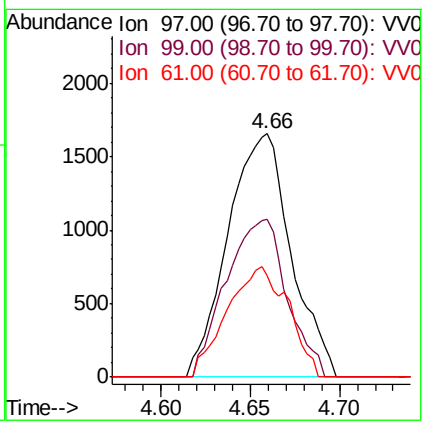


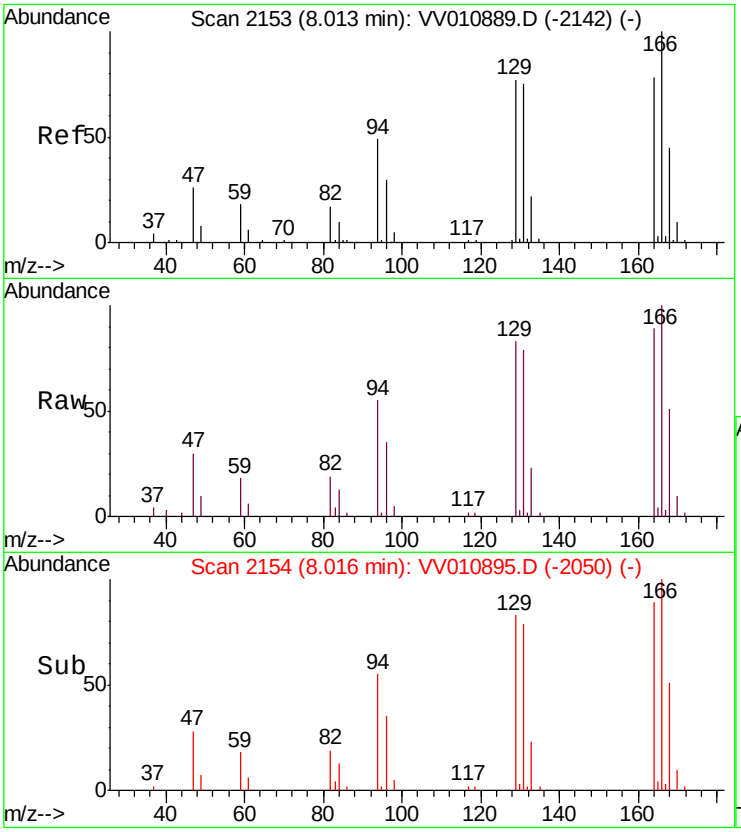


#31
1,1,1-Trichloroethane
Concen: 1.225 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VV010895.D
Acq: 15 May 2019 12:05

Tgt Ion: 97 Resp: 4089

Ion	Ratio	Lower	Upper
97	100		
99	62.6	49.4	74.2
61	34.6	34.6	51.8#





#47
Tetrachloroethene
Concen: 5.371 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV010895.D
Acq: 15 May 2019 12:05

Instrument :
MSVOA_V
ClientSampleId :
A5196

Tgt Ion:164 Resp: 9215

Ion	Ratio	Lower	Upper
164	100		
129	93.2	67.6	125.6
131	88.6	65.1	120.9
166	112.8	84.8	157.6