

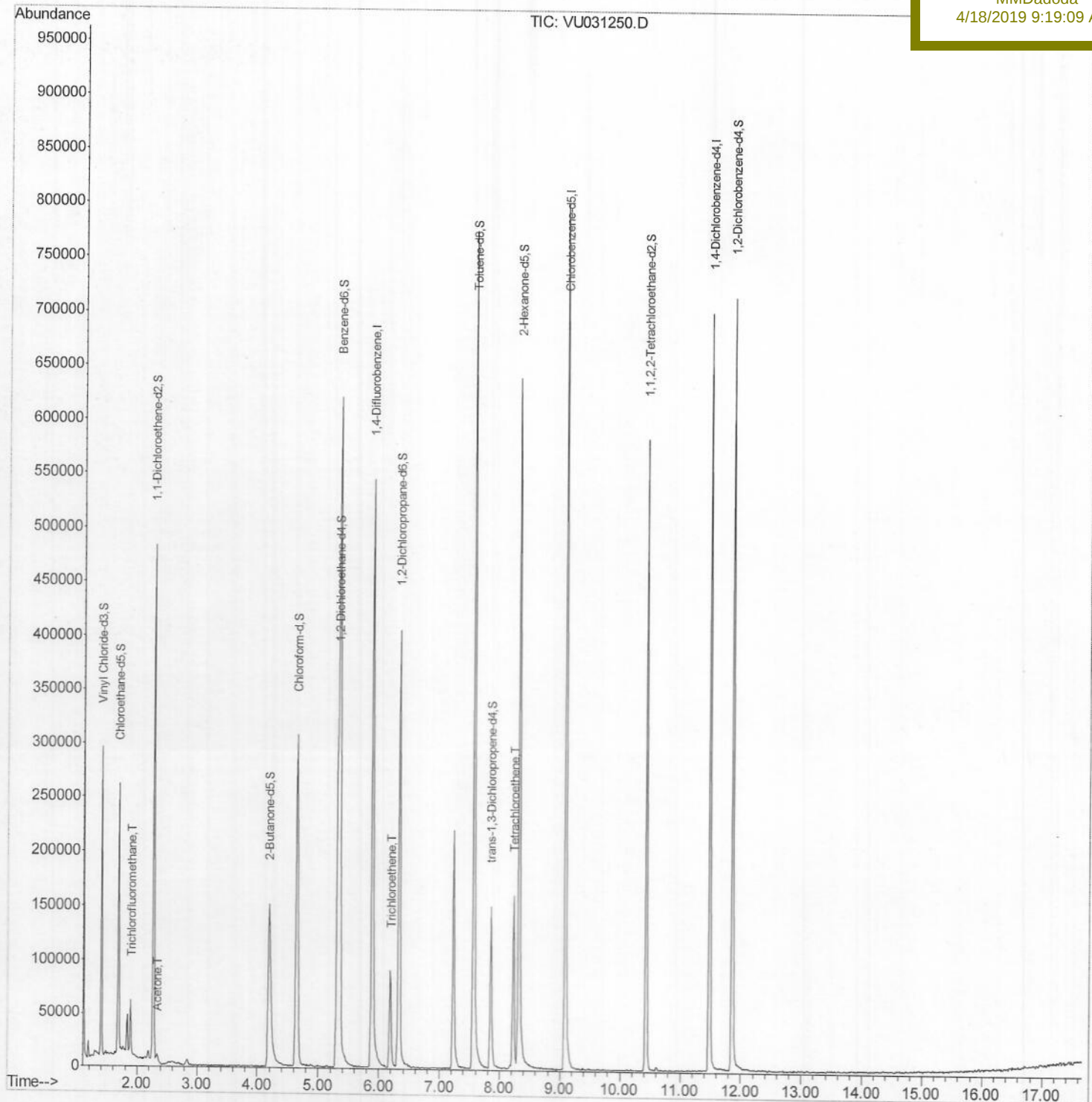
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031250.D
Acq On : 17 Apr 2019 11:23
Operator : JC/SP
Sample : K2410-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 05:22:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 18 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
COWZ2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 9:19:09 AM



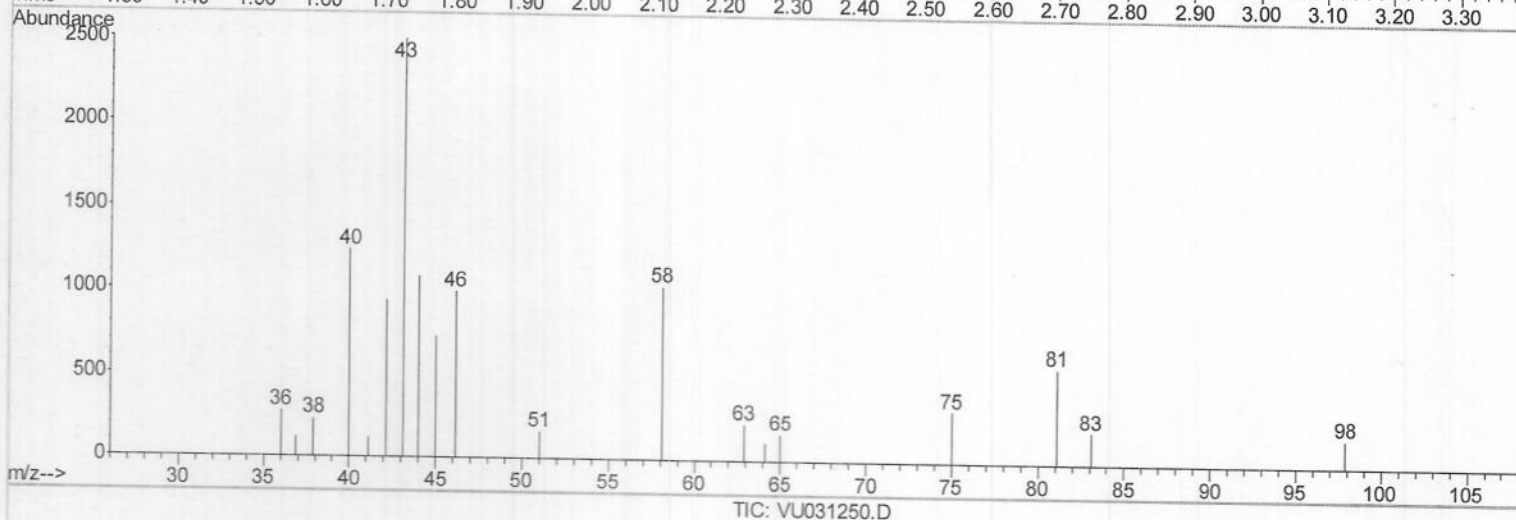
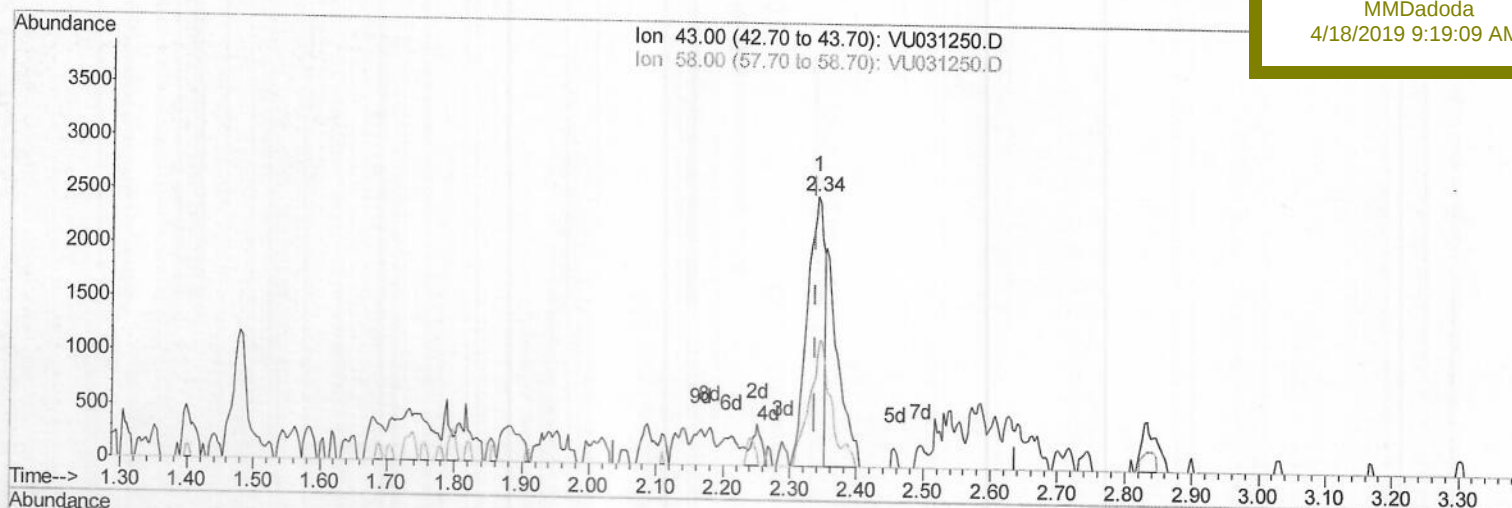
Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041719\
Data File : VU031250.D
Acq On : 17 Apr 2019 11:23
Operator : JC/SP
Sample : K2410-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 19 04:14:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 18 04:50:11 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampled :
COWZ2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 9:19:09 AM



(13) Acetone (T)

2.341min (+0.003) 1.68ug/L

response 4322

Ion	Exp%	Act%
43.00	100	100
58.00	32.50	56.96
0.00	0.00	0.00
0.00	0.00	0.00

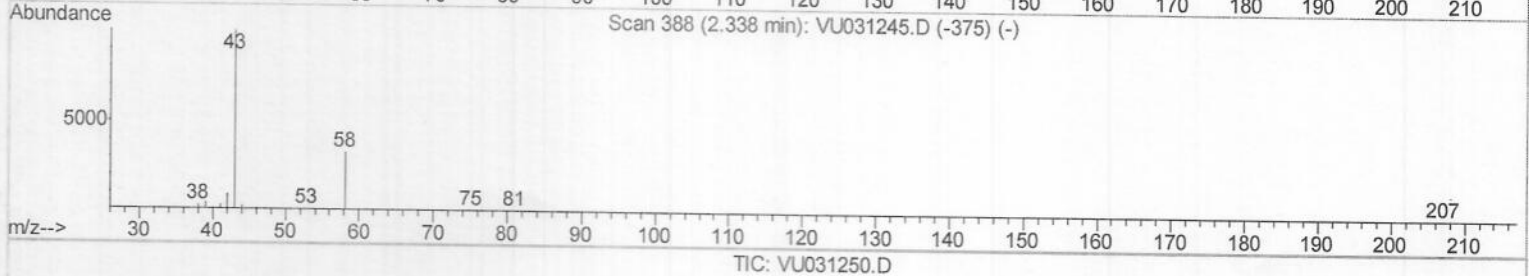
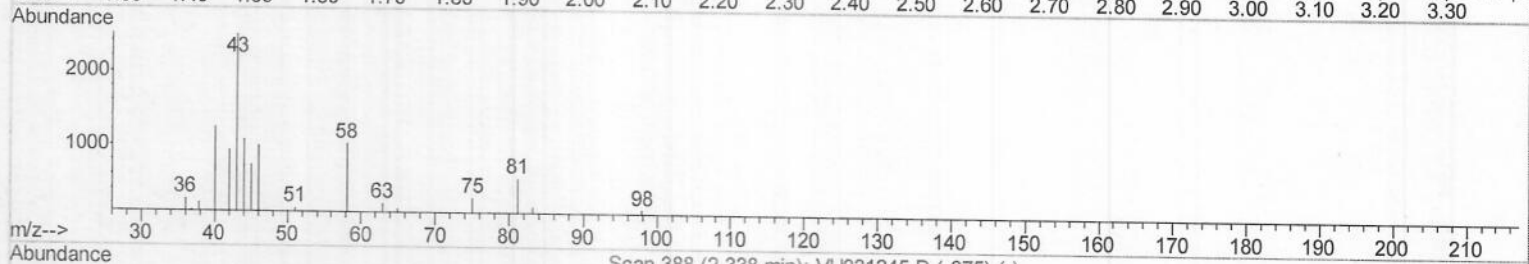
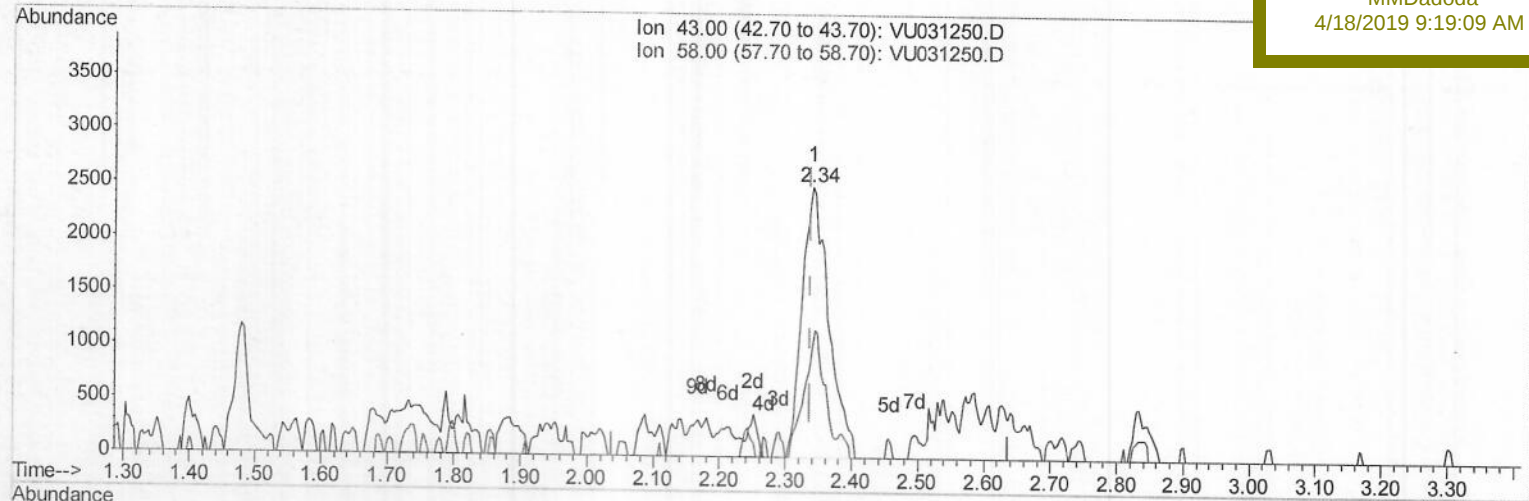
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031250.D
 Acq On : 17 Apr 2019 11:23
 Operator : JC/SP
 Sample : K2410-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 18 04:53:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 04:50:11 2019
 Response via : Initial Calibration

Instrument :
 MSVOA_U
 ClientSampleId :
 COWZ2

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 9:19:09 AM



(13) Acetone (T)

2.341min (+0.003) 2.72ug/L m

response 6978

Ion	Exp%	Act%
43.00	100	100
58.00	32.50	35.28
0.00	0.00	0.00
0.00	0.00	0.00

M.D
4/18/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031250.D
 Acq On : 17 Apr 2019 11:23
 Operator : JC/SP
 Sample : K2410-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COWZ2

Quant Time: Apr 18 05:22:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 04:50:11 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 9:19:09 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	497130	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	479542	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	194369	42.46	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.92%		
7) Chloroethane-d5	1.68	69	161680	40.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.34%		
11) 1,1-Dichloroethene-d2	2.27	63	282258	31.12	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.24%		
21) 2-Butanone-d5	4.19	46	299664	89.87	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.87%		
24) Chloroform-d	4.64	84	313473	41.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.08%		
26) 1,2-Dichloroethane-d4	5.31	65	205431	43.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.34%		
32) Benzene-d6	5.34	84	636091	41.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.92%		
36) 1,2-Dichloropropane-d6	6.33	67	210249	42.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.46%		
41) Toluene-d8	7.56	98	549039	41.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.32%		
43) trans-1,3-Dichloropropene-	7.85	79	94338	40.11	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.22%		
47) 2-Hexanone-d5	8.31	63	233578	100.57	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.57%		
57) 1,1,2,2-Tetrachloroethane-	10.43	84	293164	42.92	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.84%		
64) 1,2-Dichlorobenzene-d4	11.85	152	195597	44.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.66%		

Target Compounds

				Qvalue	
9) Trichlorofluoromethane	1.88	101	26826	3.542 ug/L	97
13) Acetone	2.34	43	6978m	2.719 ug/L	99
34) Trichloroethene	6.19	95	33386	8.273 ug/L	99
46) Tetrachloroethene	8.22	164	40452	13.327 ug/L	98

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