

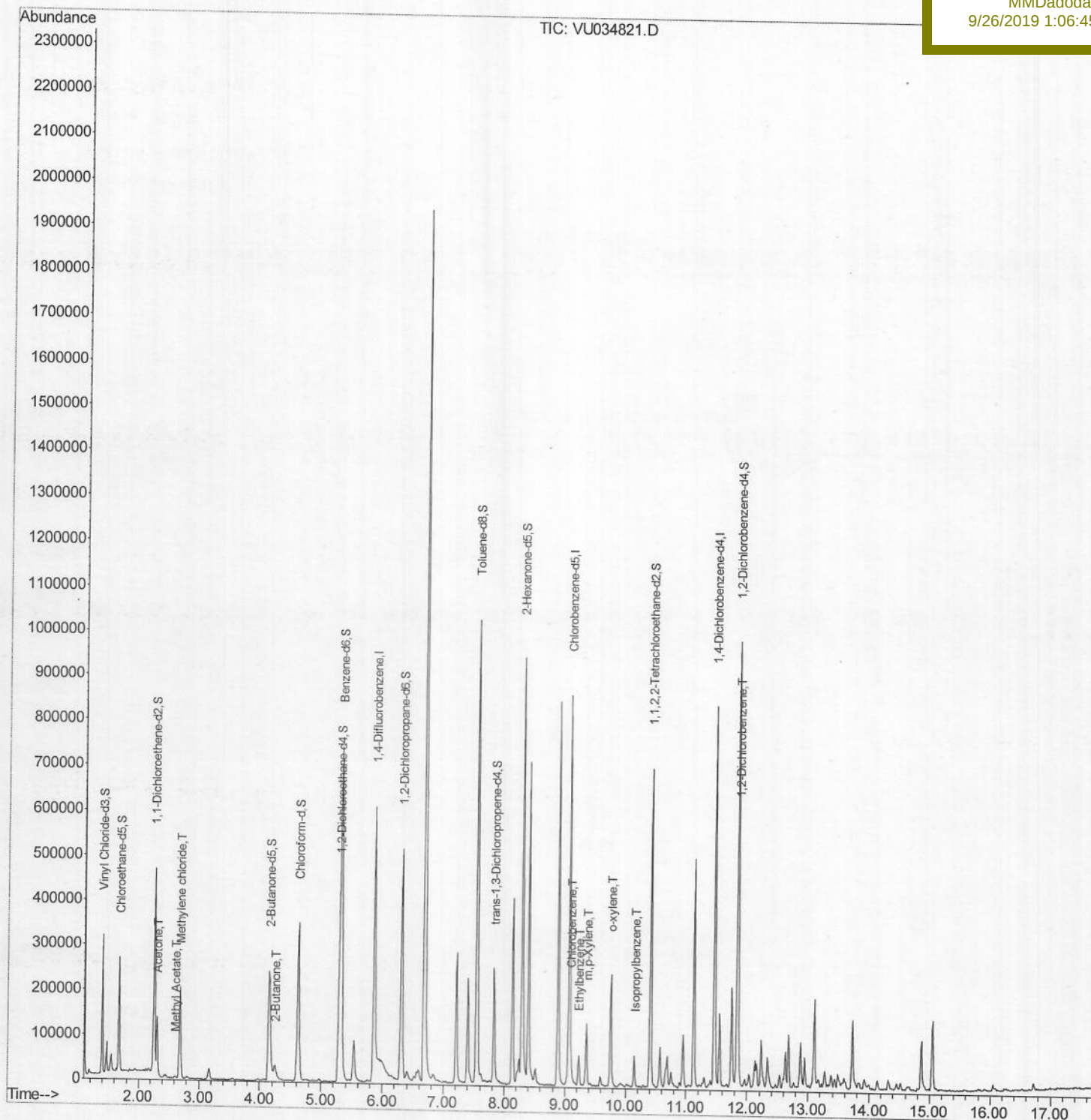
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092519\
Data File : VU034821.D
Acq On : 25 Sep 2019 22:41
Operator : JC/SP
Sample : K4983-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 26 09:07:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BFDJ4

Manual Integrations
APPROVED

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9/26/2019 1:06:45 PM



Quantitation Report (Qedit)

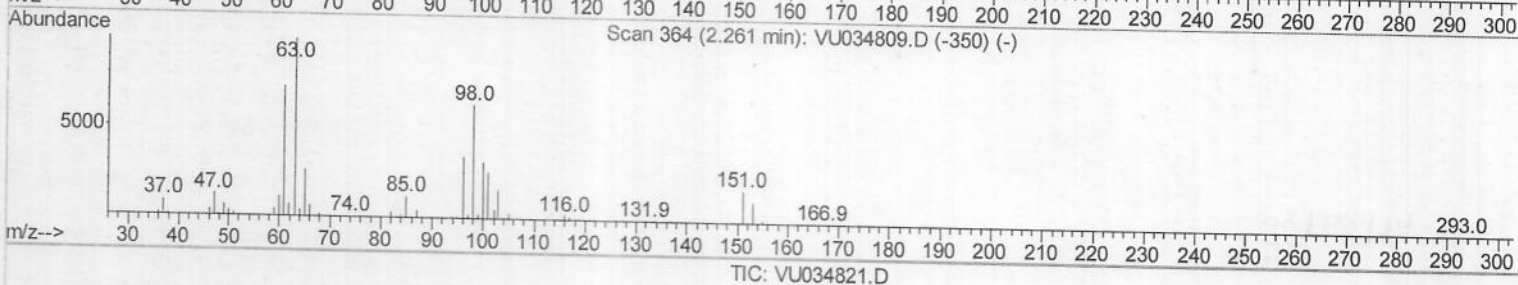
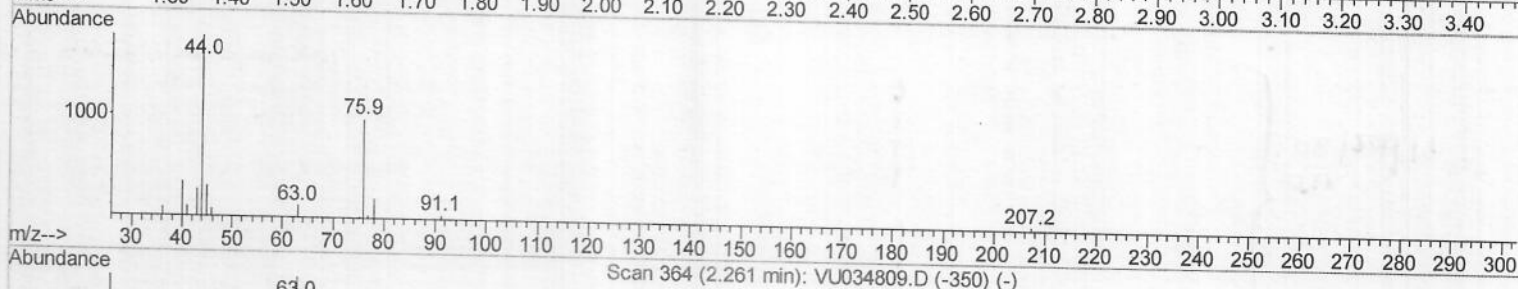
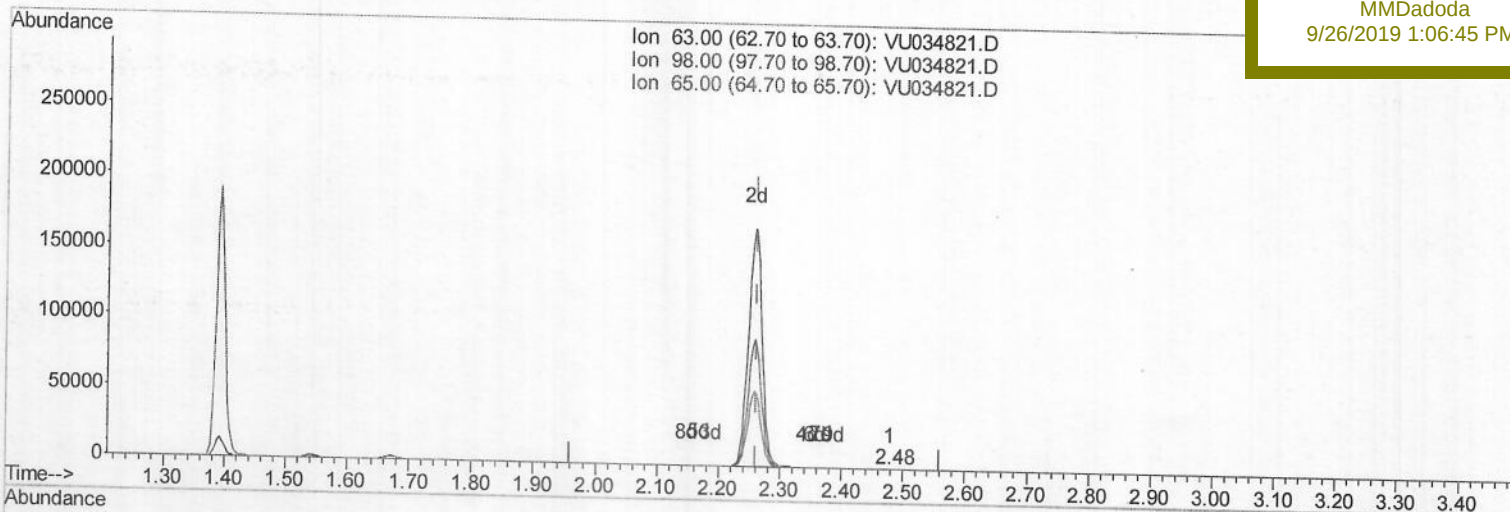
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Quant Time: Sep 26 08:02:56 2019
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 Quant Title : VOC Analysis
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Manual Integrations
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(11) 1,1-Dichloroethene-d2 (S)

2.479min (+0.219) 0.02ug/L

response 186

Ion	Exp%	Act%
63.00	100	100
98.00	57.60	40.32
65.00	24.00	21.51
0.00	0.00	0.00

Quantitation Report (Qedit)

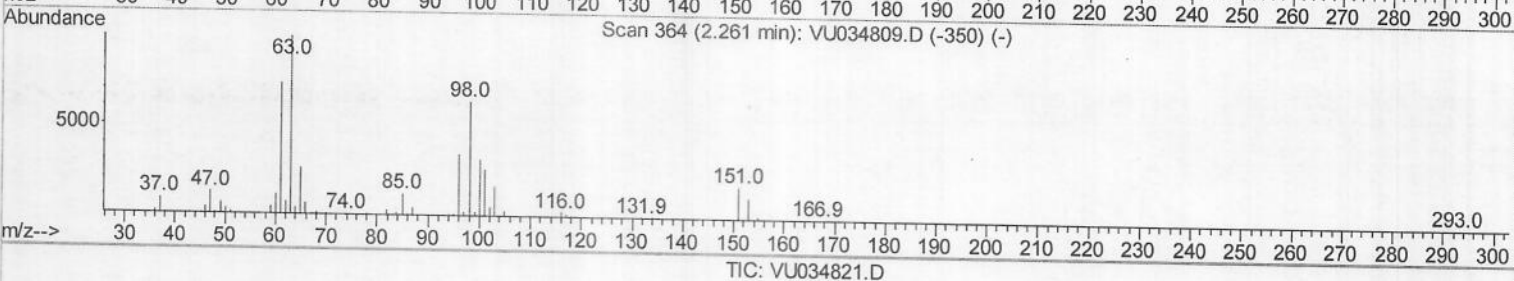
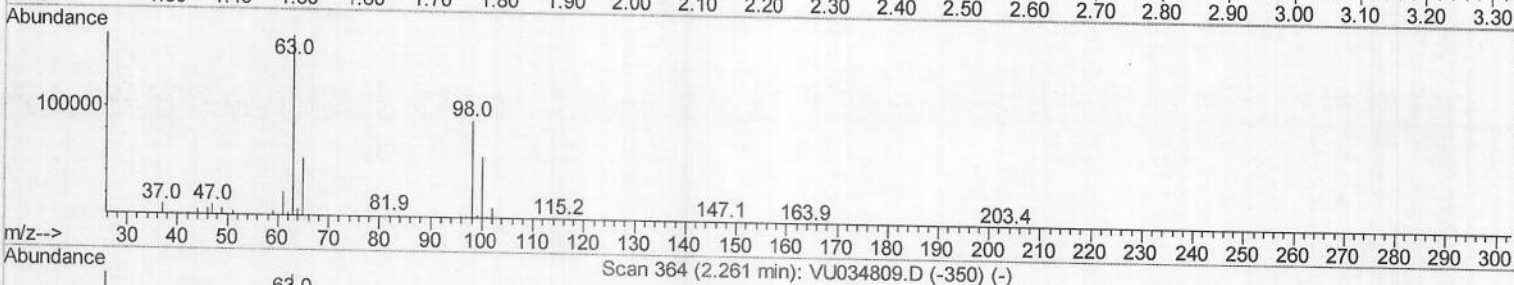
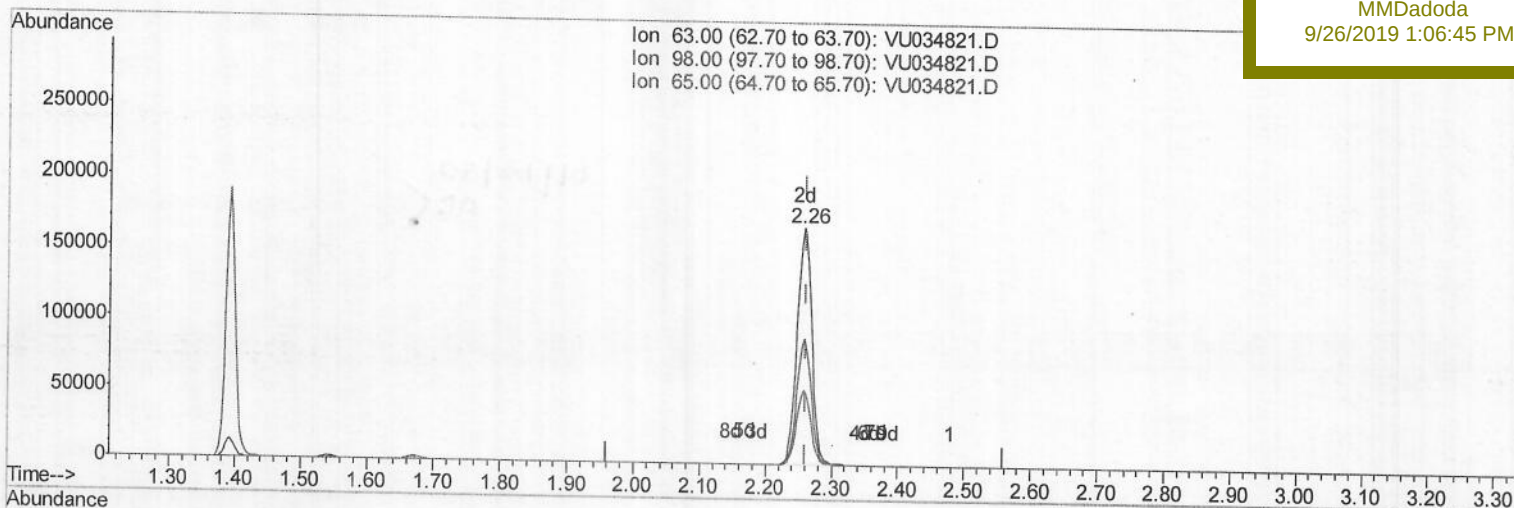
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Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ4

Manual Integrations
 APPROVED

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(11) 1,1-Dichloroethene-d2 (S)

2.257min (-0.003) 31.89ug/L m

response 258698

Ion	Exp%	Act%
63.00	100	100
98.00	57.60	0.03#
65.00	24.00	0.02#
0.00	0.00	0.00

3 MD 09180129

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092519\
 Data File : VU034821.D
 Acq On : 25 Sep 2019 22:41
 Operator : JC/SP
 Sample : K4983-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 BFDJ4

Quant Time: Sep 26 09:07:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 06:56:48 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	467929	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	442651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	201558	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	192411	40.17	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.34%		
7) Chloroethane-d5	1.67	69	168075	45.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.80%		
11) 1,1-Dichloroethene-d2	2.26	63	258698m	31.89	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.78%		
21) 2-Butanone-d5	4.15	46	429840	117.08	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	117.08%		
24) Chloroform-d	4.62	84	332530	47.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.50%		
26) 1,2-Dichloroethane-d4	5.28	65	232219	45.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.72%		
32) Benzene-d6	5.32	84	699067	50.95	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.90%		
36) 1,2-Dichloropropane-d6	6.31	67	244258	50.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.88%		
41) Toluene-d8	7.54	98	667712	51.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.30%		
43) trans-1,3-Dichloropropene-	7.83	79	105959	46.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.26%		
47) 2-Hexanone-d5	8.29	63	289807	120.32	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	120.32%		
57) 1,1,2,2-Tetrachloroethane-	10.41	84	339970	51.09	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.18%		
64) 1,2-Dichlorobenzene-d4	11.84	152	239863	56.75	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.50%		

Target Compounds

					Qvalue
13) Acetone	2.31	43	138250	32.371	ug/L 95
15) Methyl Acetate	2.60	43	6689	1.173	ug/L # 92
16) Methylene chloride	2.68	84	82097	21.170	ug/L 95
22) 2-Butanone	4.25	43	50979	10.034	ug/L 100
51) Chlorobenzene	9.10	112	21331	2.115	ug/L 99
52) Ethylbenzene	9.23	91	47073	2.519	ug/L 97
53) m,p-Xylene	9.36	106	38412	5.805	ug/L 97
54) o-xylene	9.76	106	44628	6.818	ug/L 99
56) Isopropylbenzene	10.14	105	42169	2.389	ug/L 97
65) 1,2-Dichlorobenzene	11.86	146	13726	1.946	ug/L 94

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