

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU092519\

Data File : VU034816.D

Acq On : 25 Sep 2019 20:44

Operator : JC/SP

Sample : K4983-06

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:41:50 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Sep 26 06:56:48 2019

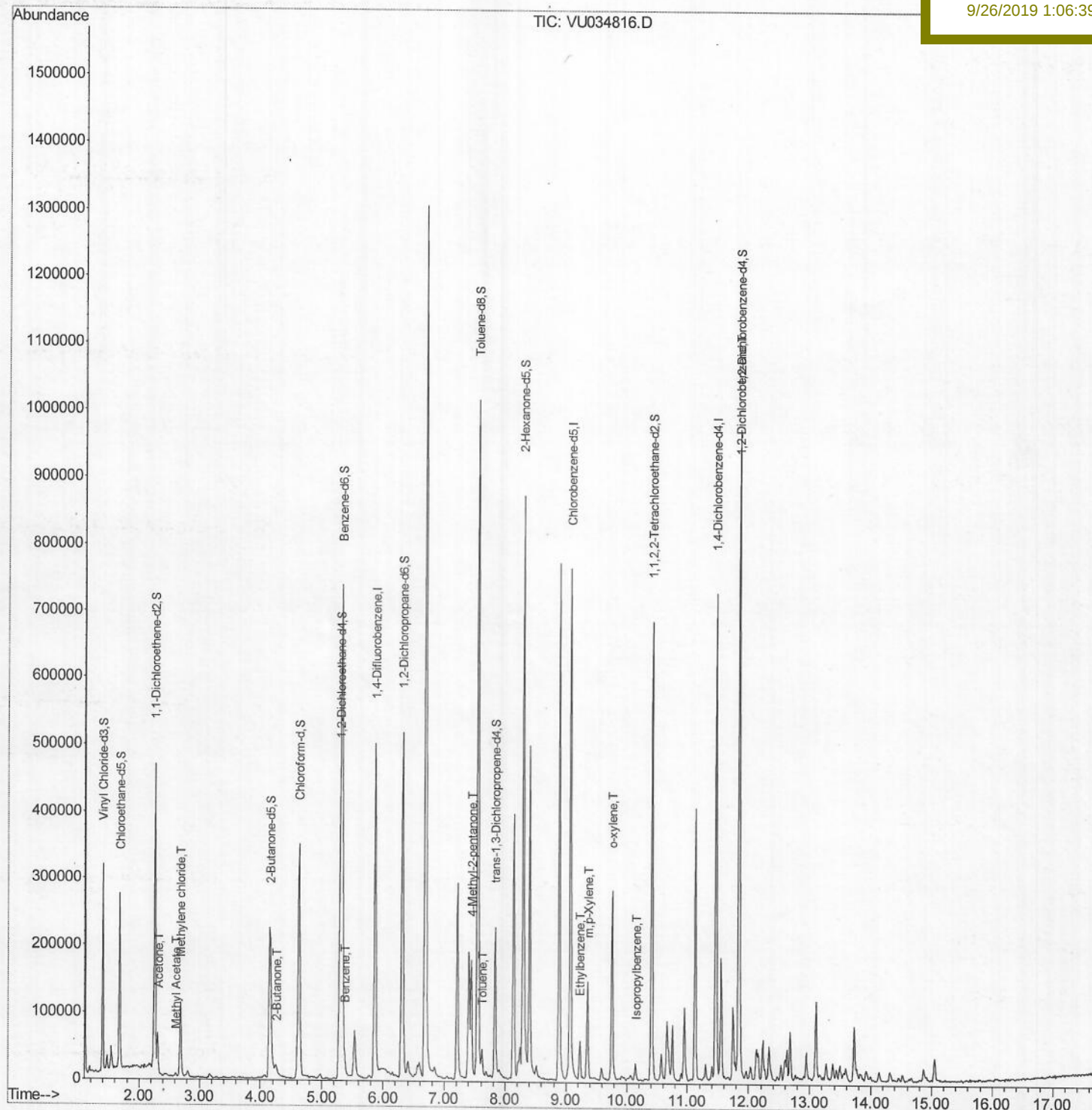
Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

BFDM1

Manual Integrations
APPROVEDMMDadoda
9/26/2019 1:06:39 PM

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU092519\

Data File : VU034816.D

Acq On : 25 Sep 2019 20:44

Operator : JC/SP

Sample : K4983-06

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 07:56:15 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 :

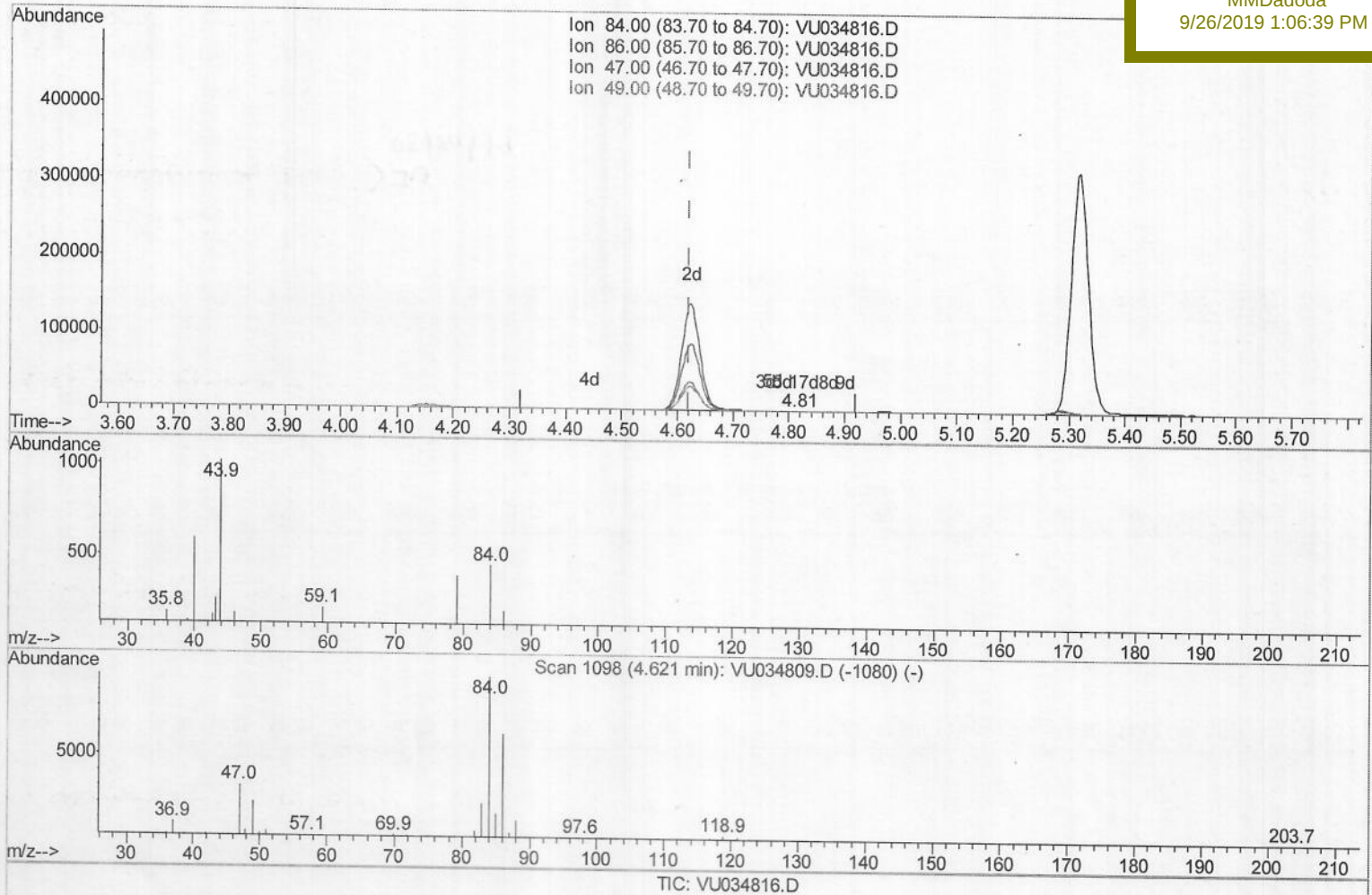
BFDM1

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:06:39 PM



(24) Chloroform-d (S)

4.810min (+0.190) 0.04ug/L

response 268

Ion	Exp%	Act%
84.00	100	100
86.00	61.70	60.82
47.00	58.40	41.79
49.00	34.10	43.66

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU092519\

Data File : VU034816.D

Acq On : 25 Sep 2019 20:44

Operator : JC/SP

Sample : K4983-06

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 07:56:15 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 :

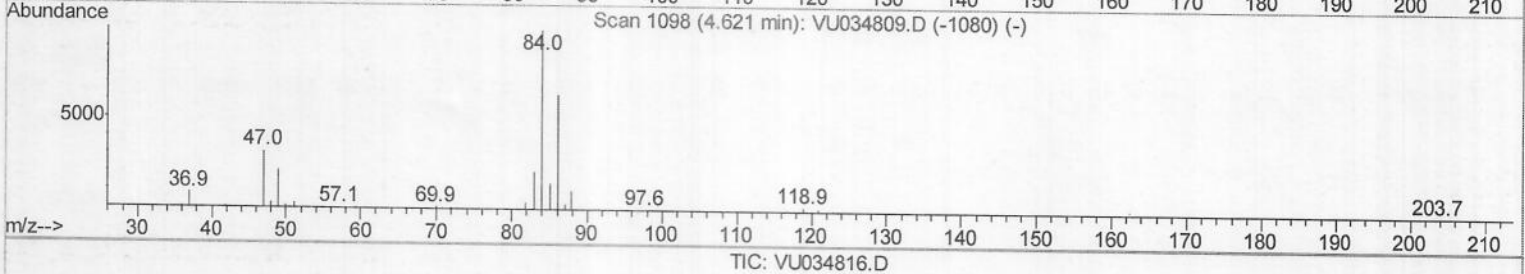
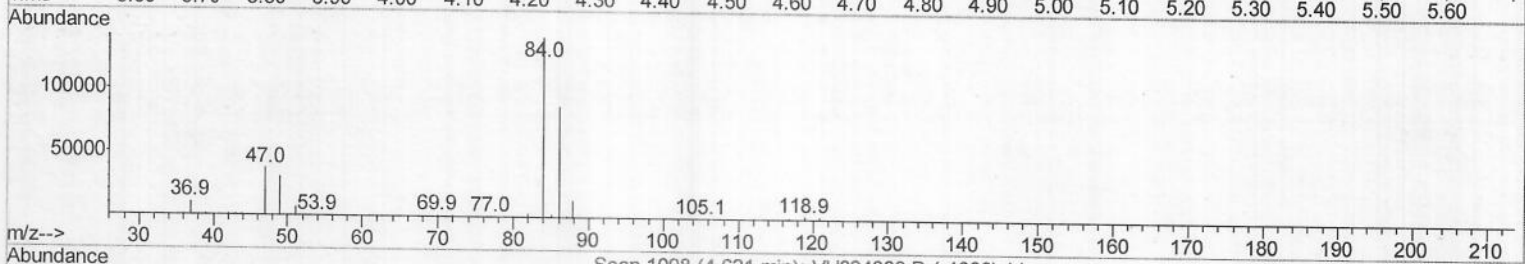
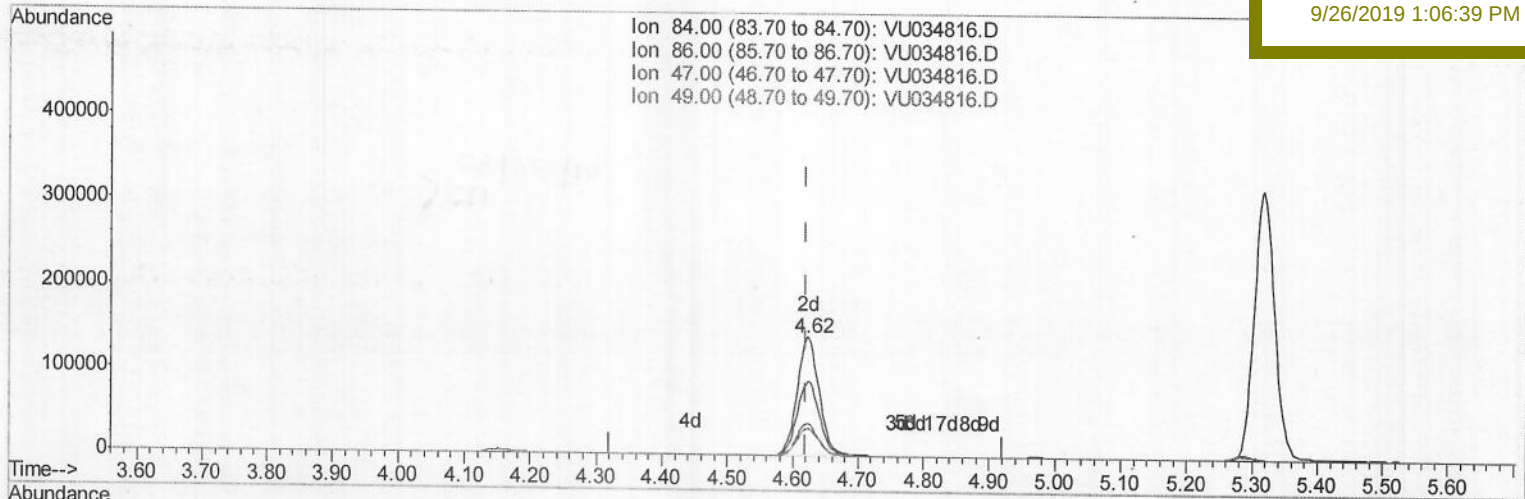
BFDM1

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:06:39 PM



(24) Chloroform-d (S)

4.624min (+0.003) 54.21ug/L m

response 328648

Ion	Exp%	Act%
84.00	100	100
86.00	61.70	0.05#
47.00	58.40	0.03#
49.00	34.10	0.04#

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU092519\

Data File : VU034816.D

Acq On : 25 Sep 2019 20:44

Operator : JC/SP

Sample : K4983-06

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 26 08:41:50 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 :

BFDM1

Manual Integrations

APPROVED

MMDadoda

9/26/2019 1:06:39 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	407315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	390172	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	176417	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	191085	45.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.66%		
7) Chloroethane-d5	1.67	69	170815	53.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	106.00%		
11) 1,1-Dichloroethene-d2	2.26	63	260221	36.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.70%		
21) 2-Butanone-d5	4.15	46	391719	122.57	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	122.57%		
24) Chloroform-d	4.62	84	328648m	54.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.42%		
26) 1,2-Dichloroethane-d4	5.29	65	233103	52.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.62%		
32) Benzene-d6	5.32	84	699312	57.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	115.66%		
36) 1,2-Dichloropropane-d6	6.31	67	248651	58.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	117.66%		
41) Toluene-d8	7.54	98	662631	57.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	115.18%		
43) trans-1,3-Dichloropropene-	7.83	79	104575	51.66	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.32%		
47) 2-Hexanone-d5	8.29	63	264790	124.72	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	124.72%		
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333098	56.79	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	113.58%		
64) 1,2-Dichlorobenzene-d4	11.84	152	228946	61.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	123.78%#		

3 MD
09/26/2019

Target Compounds

					Ovalue
13) Acetone	2.31	43	62359	16.774 ug/L	87
15) Methyl Acetate	2.61	43	5923	1.193 ug/L #	90
16) Methylene chloride	2.68	84	44306	13.125 ug/L	93
22) 2-Butanone	4.26	43	28135	6.362 ug/L	88
33) Benzene	5.37	78	19561	1.446 ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	116674	15.167 ug/L #	87
42) Toluene	7.62	91	25942	1.774 ug/L	91
52) Ethylbenzene	9.23	91	41754	2.535 ug/L	97
53) m,p-Xylene	9.35	106	41484	7.112 ug/L	97
54) o-xylene	9.76	106	59791	10.364 ug/L	94
56) Isopropylbenzene	10.14	105	14177	0.911 ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	18384	2.978 ug/L #	93

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