

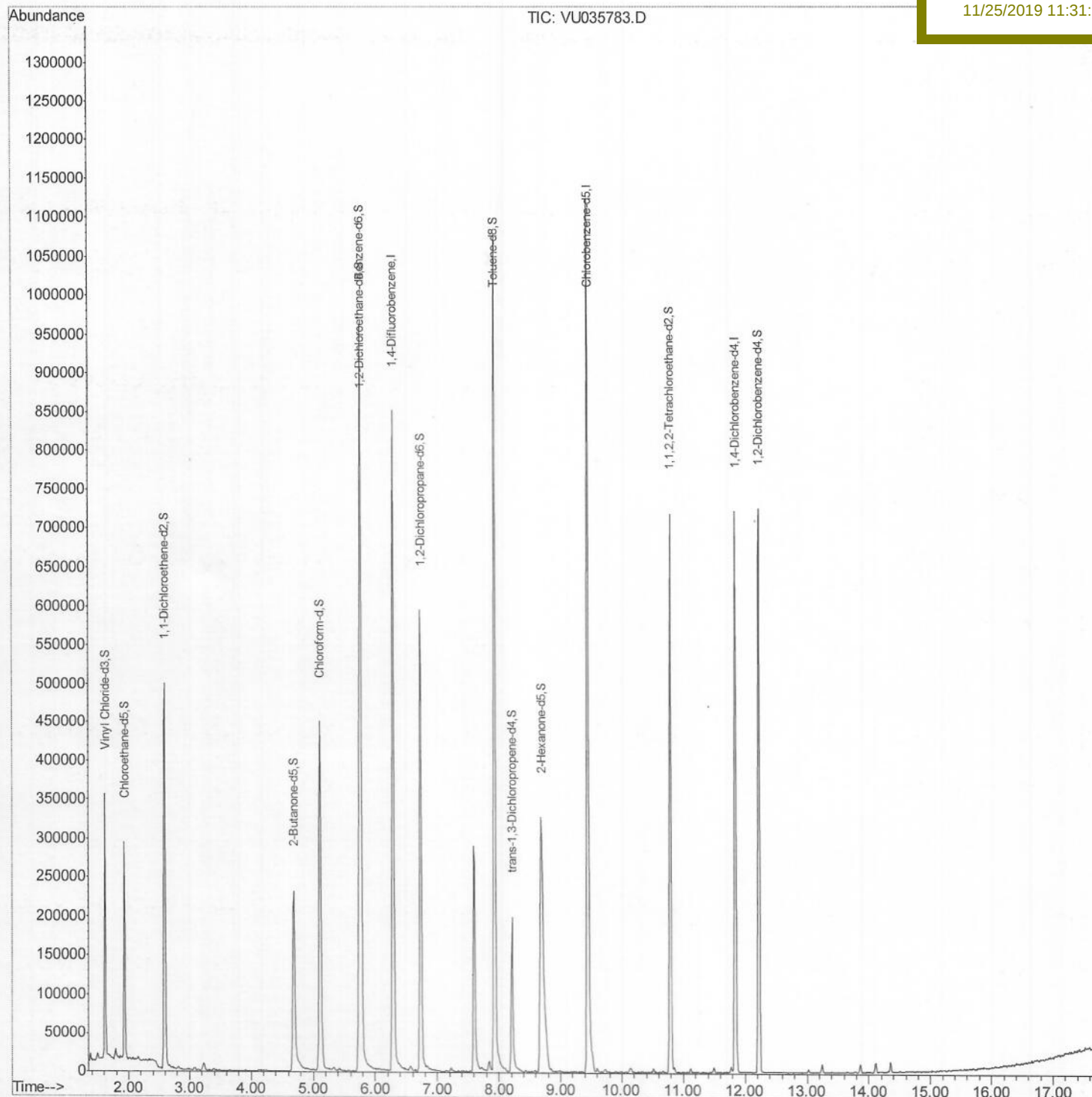
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112019\
Data File : VU035783.D
Acq On : 20 Nov 2019 12:37
Operator : JC/SP
Sample : VU1120MBL01
Misc : 5.0µ/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 04:15:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 21 04:09:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VBLK28

Manual Integrations
APPROVED

MMDadoda
11/25/2019 11:31:20 AM



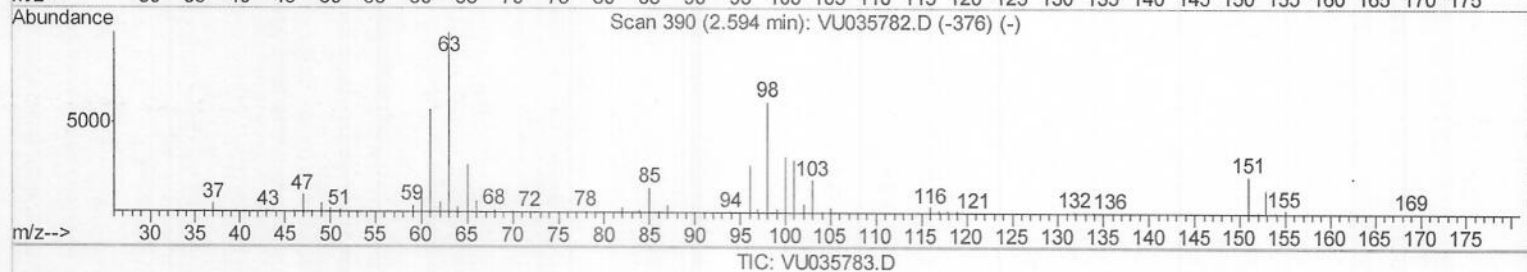
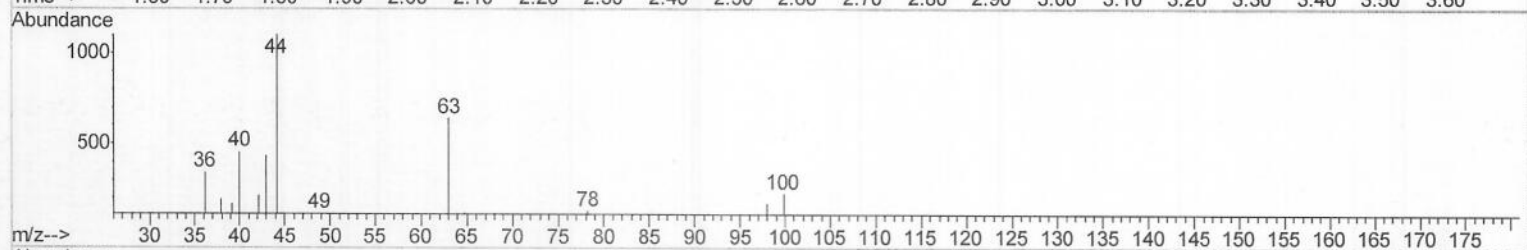
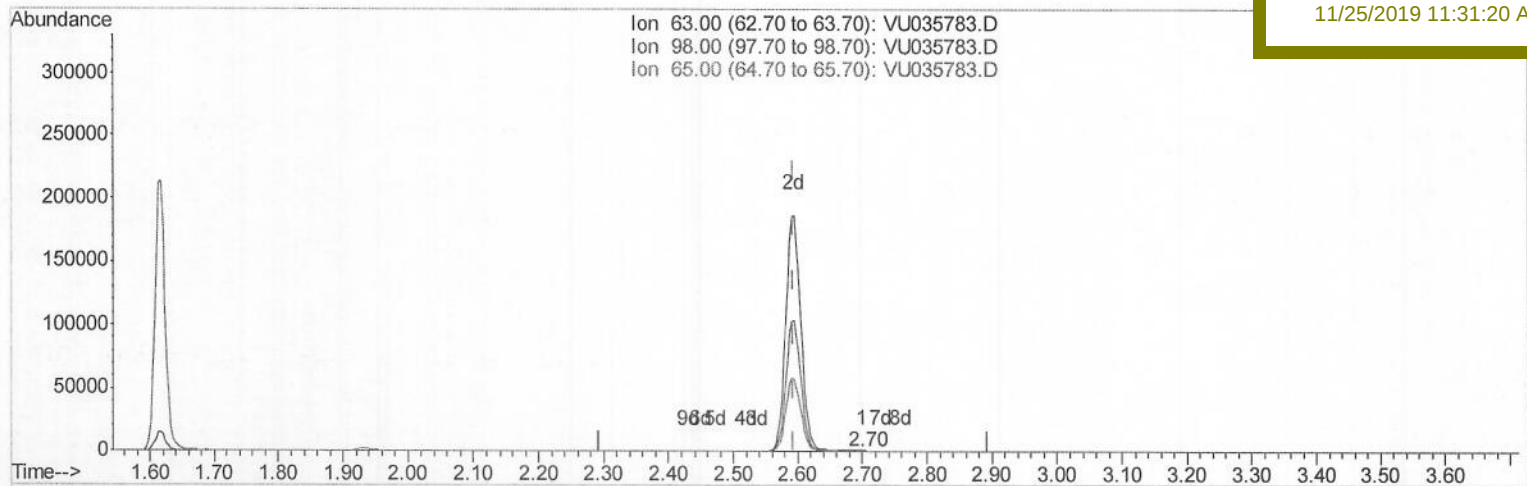
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112019\
Data File : VU035783.D
Acq On : 20 Nov 2019 12:37
Operator : JC/SP
Sample : VU1120MBL01
Misc : 5.0µ/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 04:11:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 21 04:09:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VBLK28

Manual Integrations
APPROVED

MMDadoda
11/25/2019 11:31:20 AM



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

2.700min (+0.106) 0.04ug/L

response 376

Ion	Exp%	Act%
63.00	100	100
98.00	74.50	52.39
65.00	23.70	28.99
0.00	0.00	0.00

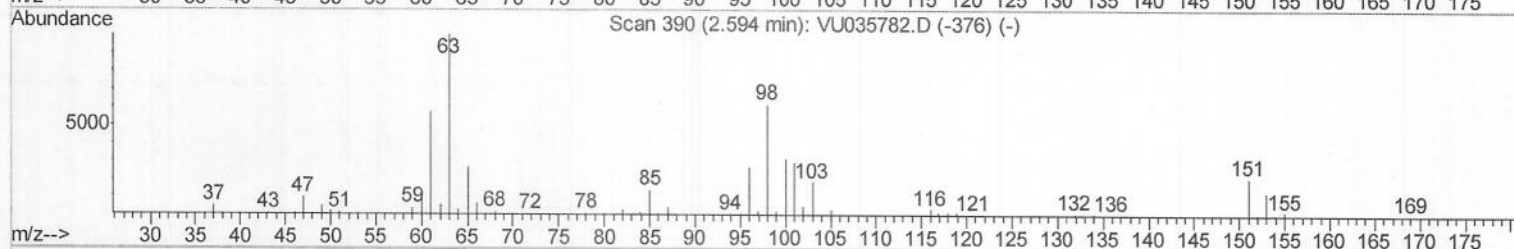
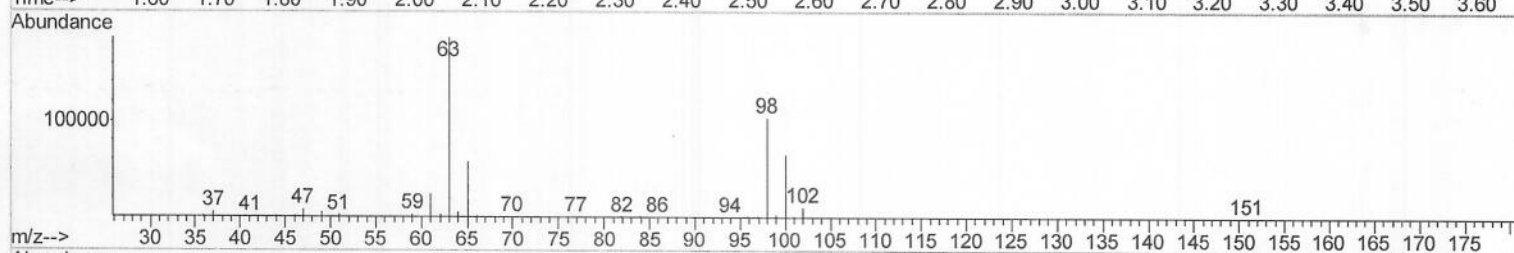
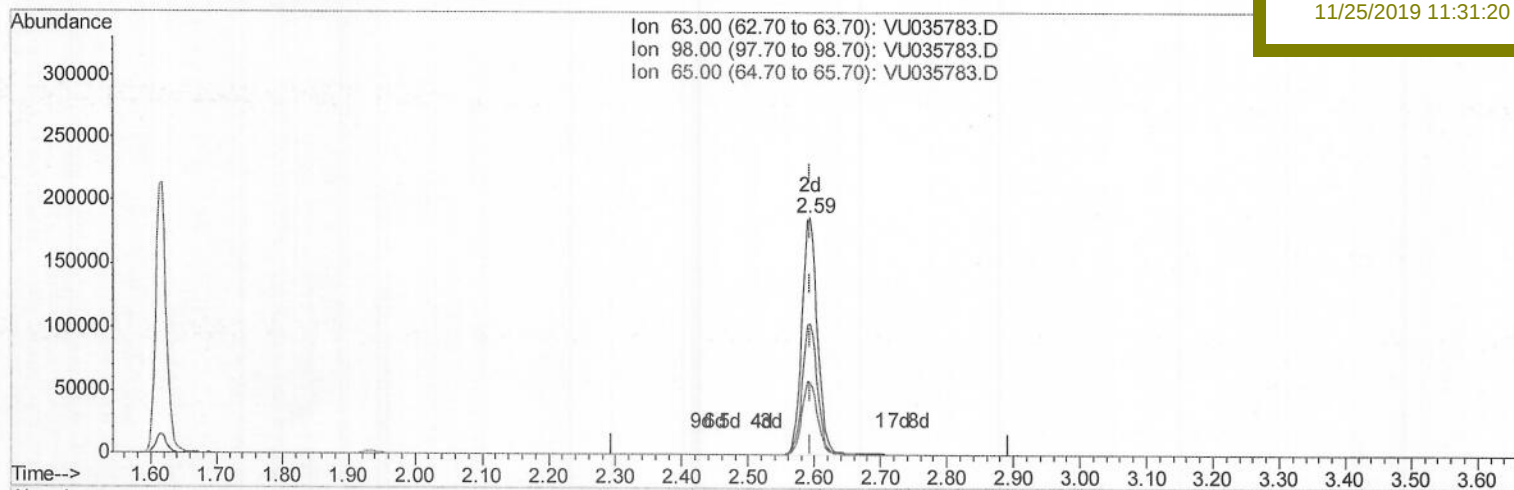
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112019\
Data File : VU035783.D
Acq On : 20 Nov 2019 12:37
Operator : JC/SP
Sample : VU1120MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 04:11:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 21 04:09:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VBLK28

Manual Integrations
APPROVED

MMDadoda
11/25/2019 11:31:20 AM



TIC: VU035783.D

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

2.594min (+0.000) 36.13ug/L m

response 306205

Ion	Exp%	Act%
63.00	100	100
98.00	74.50	0.06#
65.00	23.70	0.04#
0.00	0.00	0.00

> MD
11/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112019\
 Data File : VU035783.D
 Acq On : 20 Nov 2019 12:37
 Operator : JC/SP
 Sample : VU1120MBL01
 Misc : 5.0µ/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK28

Quant Time: Nov 21 04:15:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 04:09:14 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 11/25/2019 11:31:20 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	6.29	114	674746	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	674540	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	203011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	237245	43.53	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.06%		
7) Chloroethane-d5	1.93	69	200170	45.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.98%		
11) 1,1-Dichloroethene-d2	2.59	63	306205m	36.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.26%		
21) 2-Butanone-d5	4.69	46	360616	113.28	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	113.28%		
24) Chloroform-d	5.11	84	411410	48.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.76%		
26) 1,2-Dichloroethane-d4	5.75	65	290818	56.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	112.82%		
32) Benzene-d6	5.77	84	833184	47.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.76%		
36) 1,2-Dichloropropane-d6	6.73	67	295195	51.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.54%		
41) Toluene-d8	7.93	98	733467	44.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.46%		
43) trans-1,3-Dichloropropene-	8.21	79	120343	45.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.64%		
47) 2-Hexanone-d5	8.69	63	203271	93.01	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.01%		
57) 1,1,2,2-Tetrachloroethane-	10.79	84	386212	47.63	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.26%		
64) 1,2-Dichlorobenzene-d4	12.22	152	195065	47.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.28%		

MD
 11/27/19

Target Compounds	Ovalue

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