

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\

Data File : VU032496.D

Acq On : 06 Jun 2019 14:53

Operator : JC/SP

Sample : K3224-01DL 500X

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 05:43:59 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jun 07 04:06:44 2019

Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

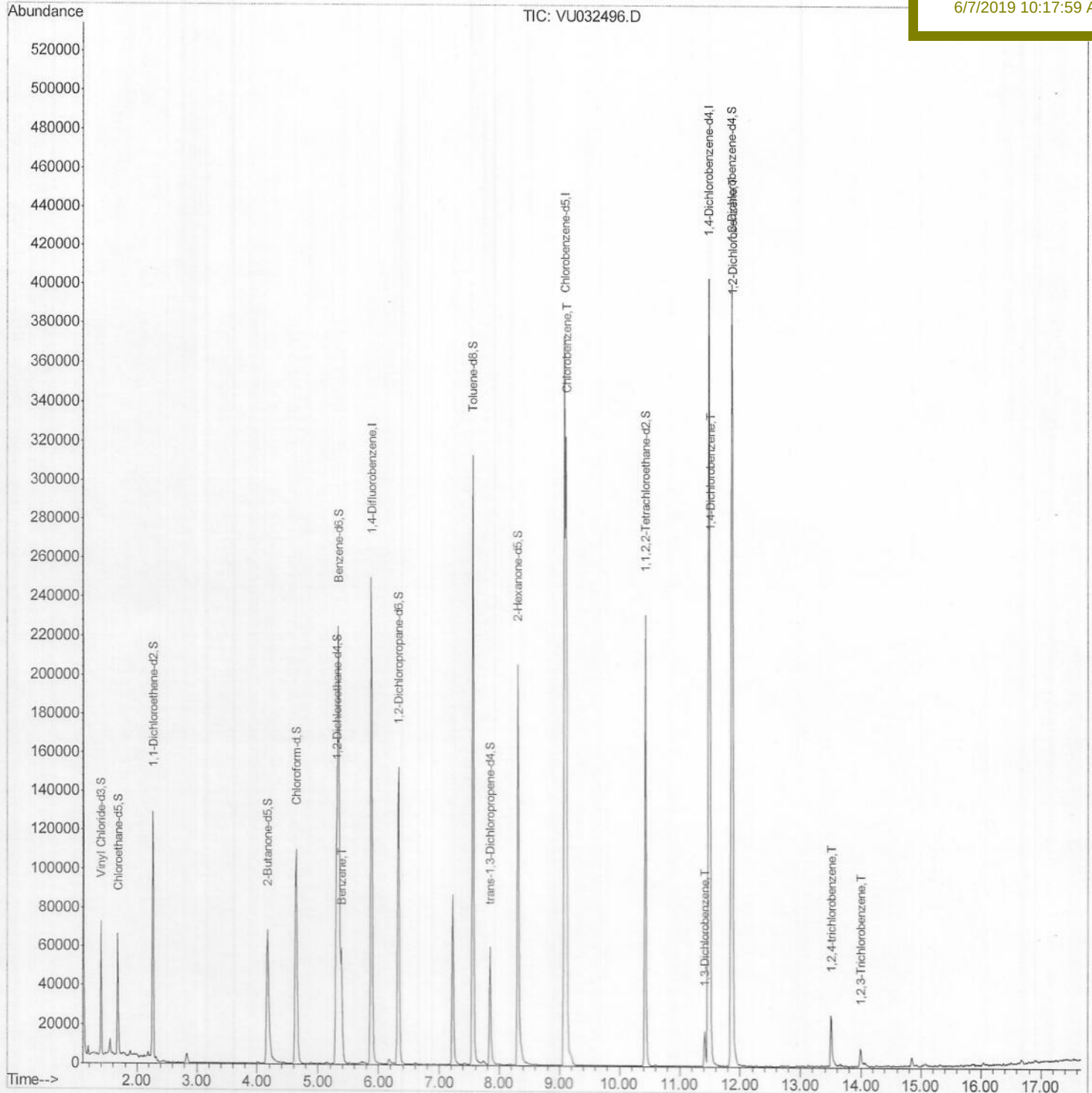
C0C57DL

Manual Integrations

APPROVED

MMDadoda

6/7/2019 10:17:59 AM



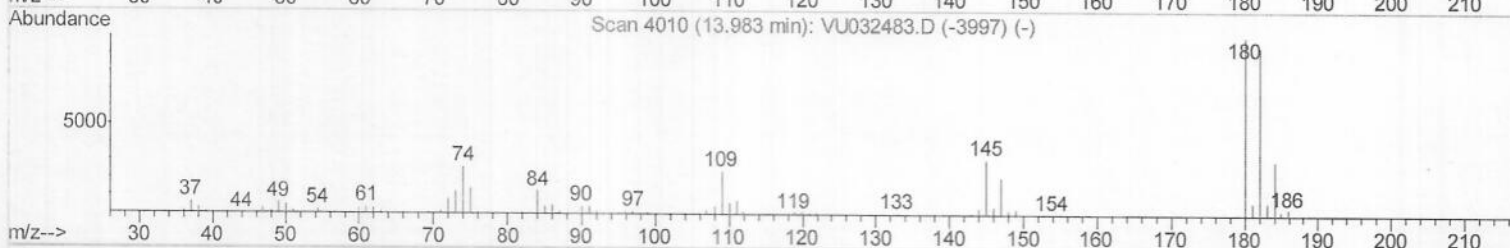
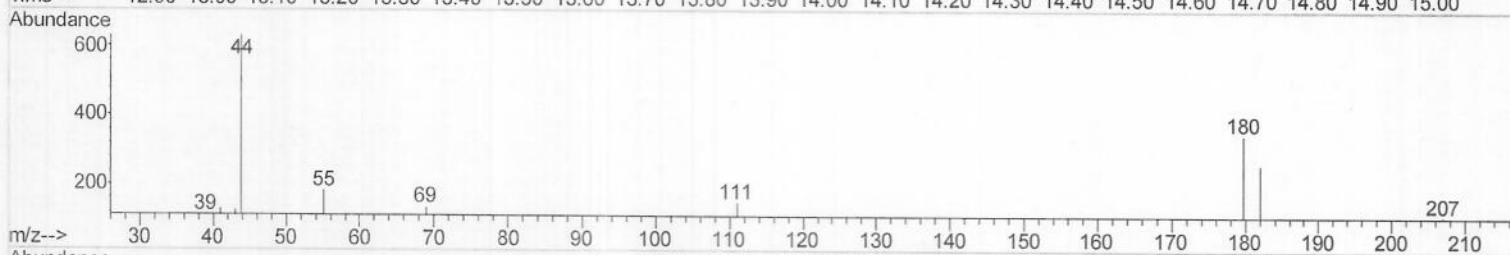
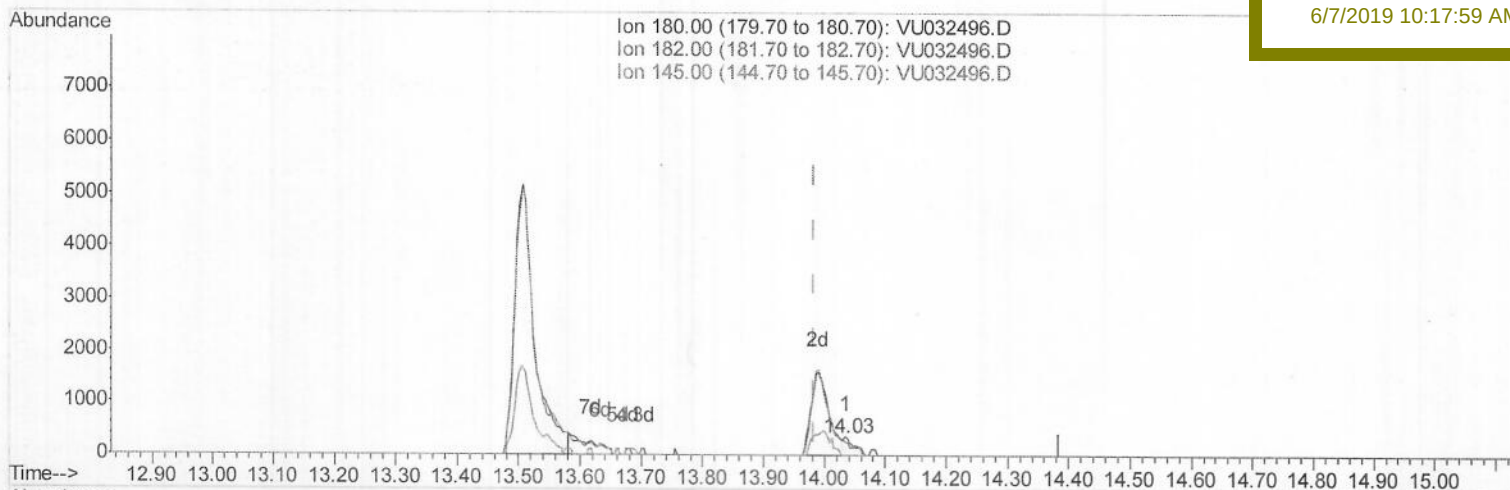
Data File : VU032496.D
Acq On : 06 Jun 2019 14:53
Operator : JC/SP
Sample : K3224-01DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 04:11:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0C57DL

Manual Integrations
APPROVED

MMDadoda
6/7/2019 10:17:59 AM



TIC: VU032496.D

(70) 1,2,3-Trichlorobenzene (T)

14.035min (+0.051) 0.07ug/L

response 163

Ion	Exp%	Act%
180.00	100	100
182.00	95.90	91.41
145.00	31.80	28.83
0.00	0.00	0.00

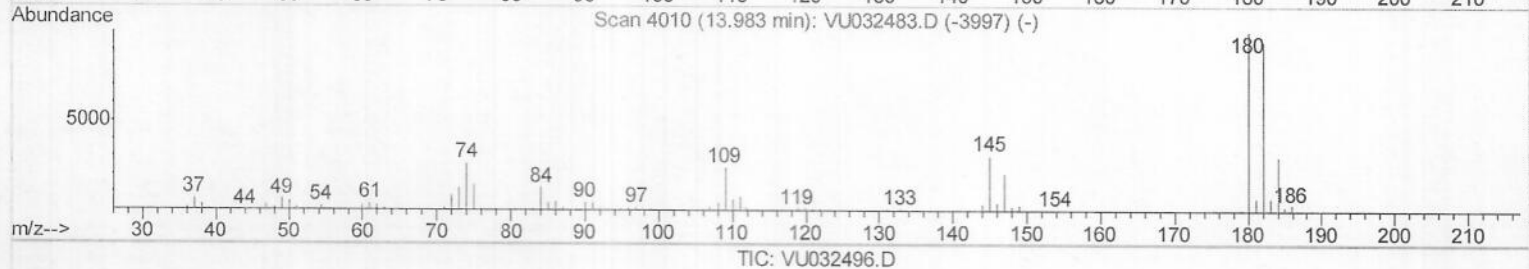
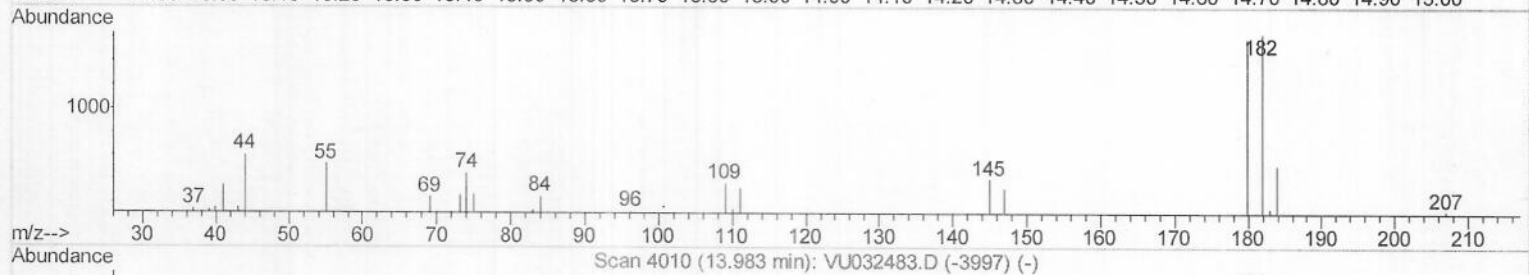
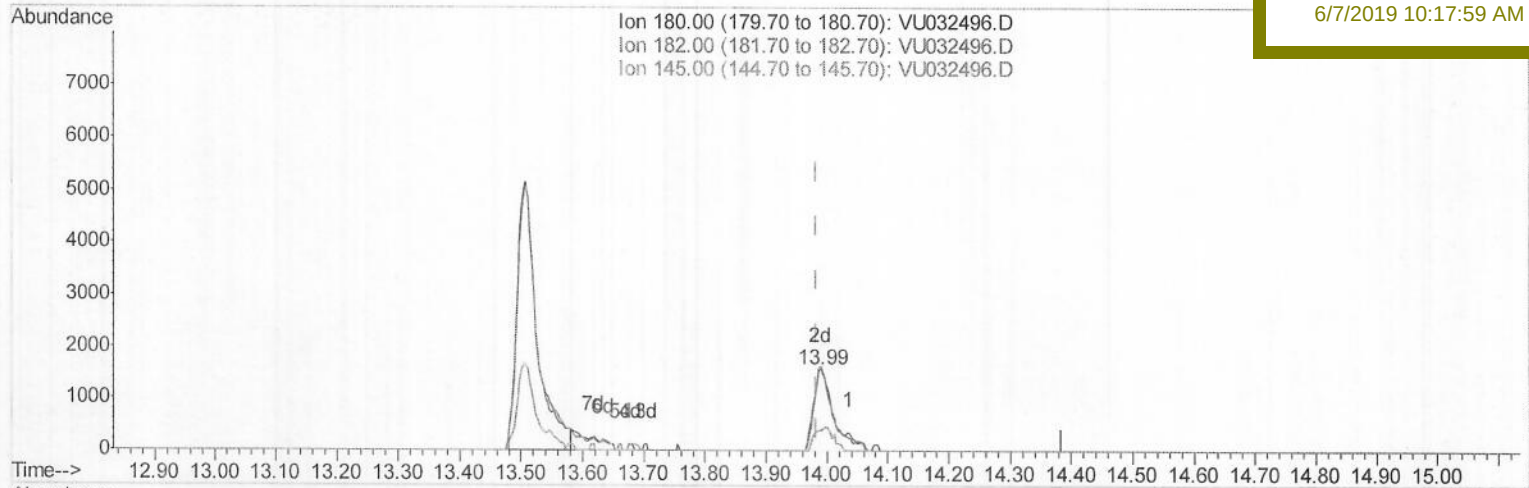
Data File : VU032496.D
Acq On : 06 Jun 2019 14:53
Operator : JC/SP
Sample : K3224-01DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 04:11:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C0C57DL

Manual Integrations
APPROVED

MMDadoda
6/7/2019 10:17:59 AM



(70) 1,2,3-Trichlorobenzene (T)

13.990min (+0.006) 1.68ug/L m

response 3676

Ion	Exp%	Act%
180.00	100	100
182.00	95.90	4.05#
145.00	31.80	1.28#
0.00	0.00	0.00

M.D
6/11/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032496.D
 Acq On : 06 Jun 2019 14:53
 Operator : JC/SP
 Sample : K3224-01DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57DL

Quant Time: Jun 07 05:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 04:06:44 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 10:17:59 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	214407	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	200789	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105358	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43221	31.07	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	62.14%		
7) Chloroethane-d5	1.68	69	40811	36.51	ug/L	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	73.02%		
11) 1,1-Dichloroethene-d2	2.27	63	70228	25.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	51.56%#		
21) 2-Butanone-d5	4.17	46	106886	91.82	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.82%		
24) Chloroform-d	4.64	84	108241	41.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.44%		
26) 1,2-Dichloroethane-d4	5.30	65	74299	45.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.92%		
32) Benzene-d6	5.33	84	223075	42.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.58%		
36) 1,2-Dichloropropane-d6	6.32	67	73195	44.78	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.56%		
41) Toluene-d8	7.56	98	211902	42.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.74%		
43) trans-1,3-Dichloropropene-	7.85	79	35235	45.05	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.10%		
47) 2-Hexanone-d5	8.31	63	72569	91.53	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.53%		
57) 1,1,2,2-Tetrachloroethane-	10.43	84	110423	46.62	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.24%		
64) 1,2-Dichlorobenzene-d4	11.85	152	94679	46.92	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.84%		

Target Compounds

					Ovalue
33) Benzene	5.39	78	58610	10.389	ug/L 100
51) Chlorobenzene	9.11	112	167272	42.022	ug/L 100
62) 1,3-Dichlorobenzene	11.42	146	8212	2.576	ug/L 95
63) 1,4-Dichlorobenzene	11.50	146	73594	22.583	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	91928	28.526	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	11467	5.458	ug/L 96
70) 1,2,3-Trichlorobenzene	13.99	180	3676m	1.681	ug/L

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

M.D
 6/11/19