

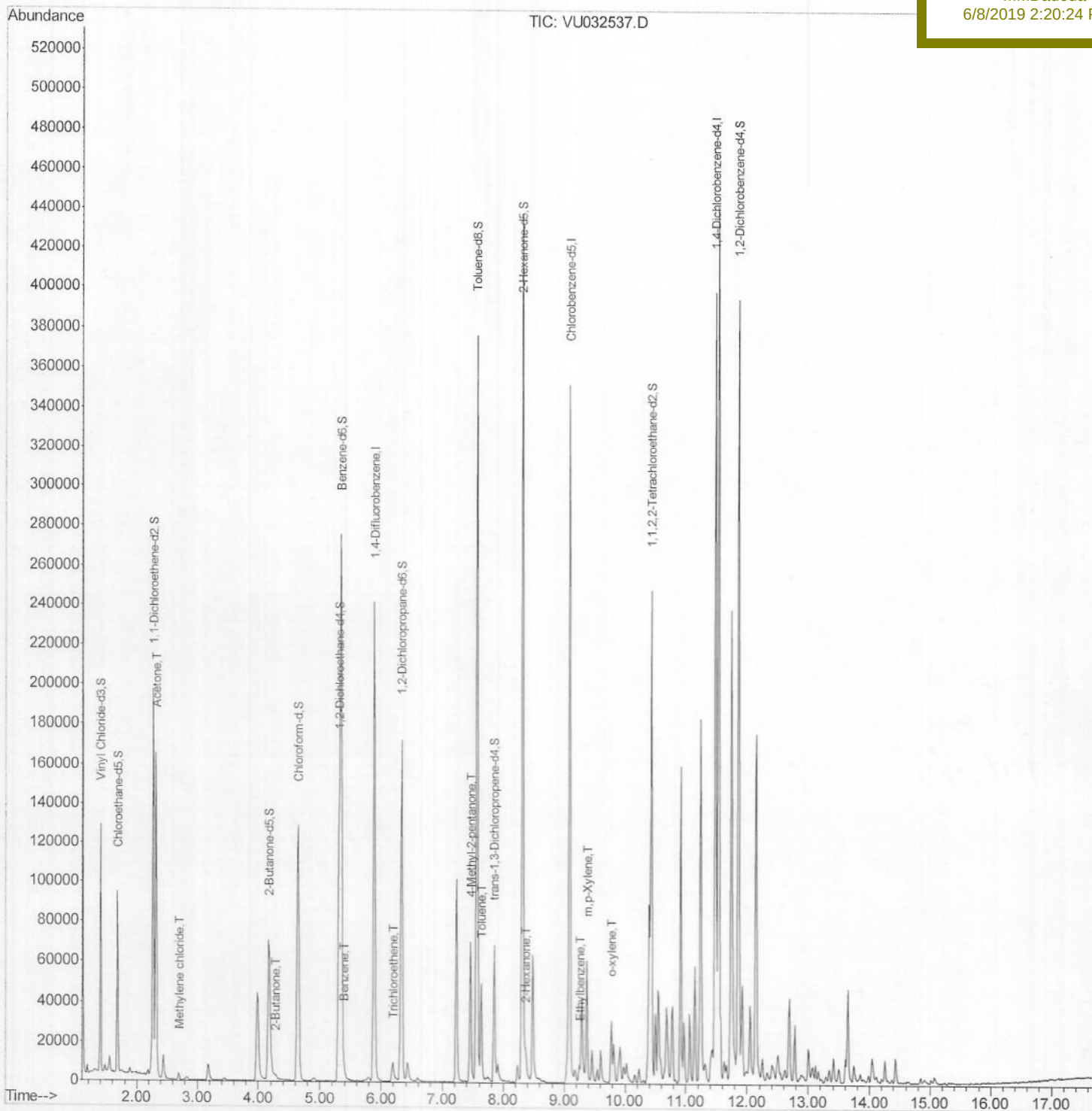
Data File : VU032537.D
Acq On : 07 Jun 2019 12:41
Operator : JC/SP
Sample : K3215-05DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 23:37:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
Client Sampled :
DB8H9DL

Manual Integrations
APPROVED

MMDadoda
6/8/2019 2:20:24 PM



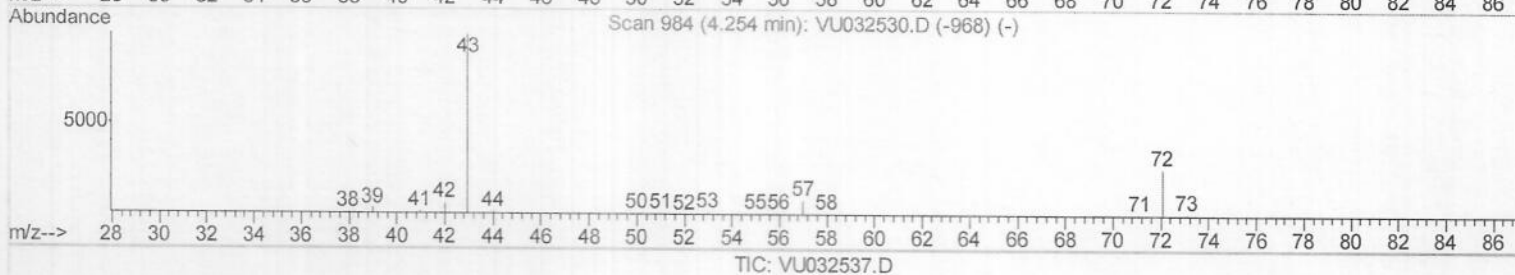
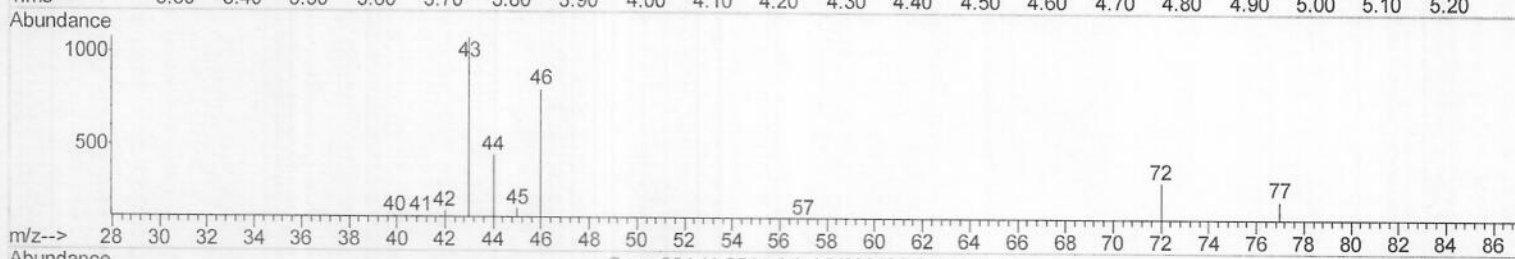
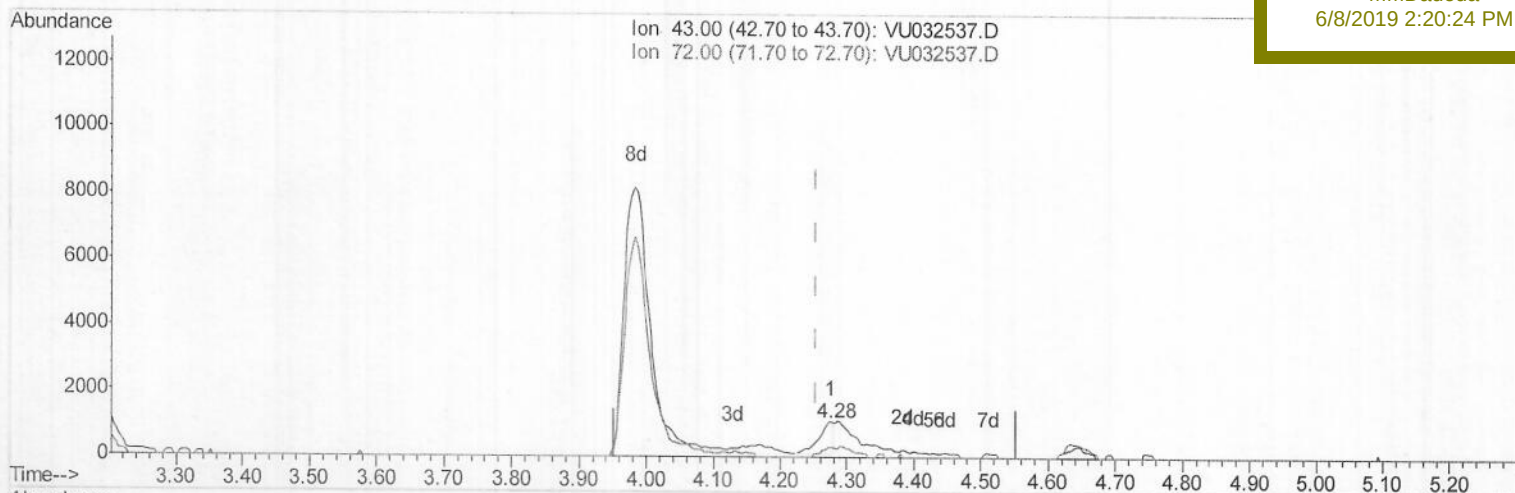
Data File : VU032537.D
Acq On : 07 Jun 2019 12:41
Operator : JC/SP
Sample : K3215-05DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 23:14:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
DB8H9DL

Manual Integrations
APPROVED

MMDadoda
6/8/2019 2:20:24 PM



(22) 2-Butanone (T)

4.277min (+0.023) 1.07ug/L

response 1474

Ion	Exp%	Act%
43.00	100	100
72.00	26.20	14.93
0.00	0.00	0.00
0.00	0.00	0.00

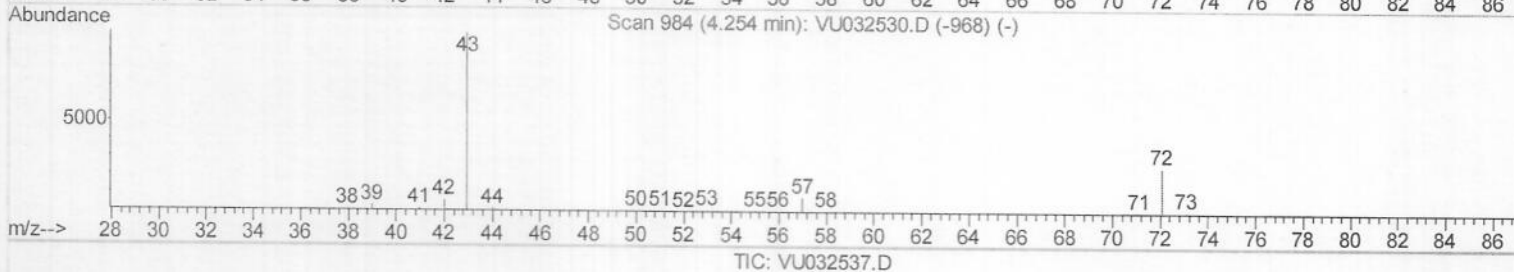
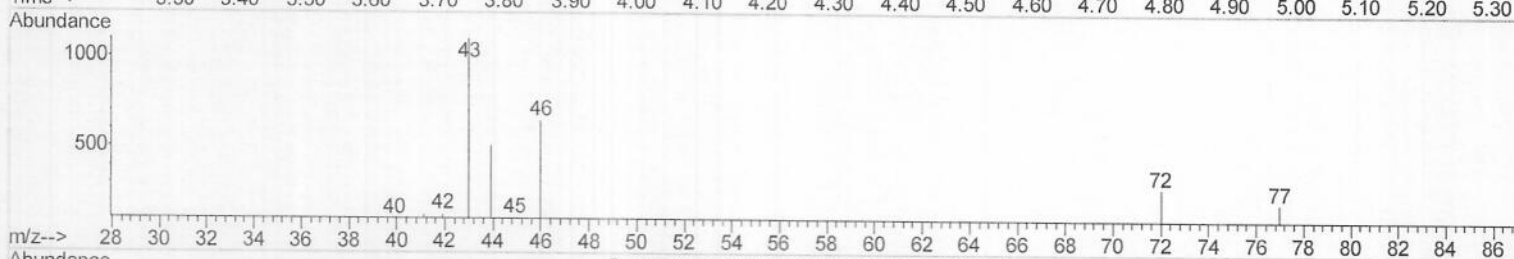
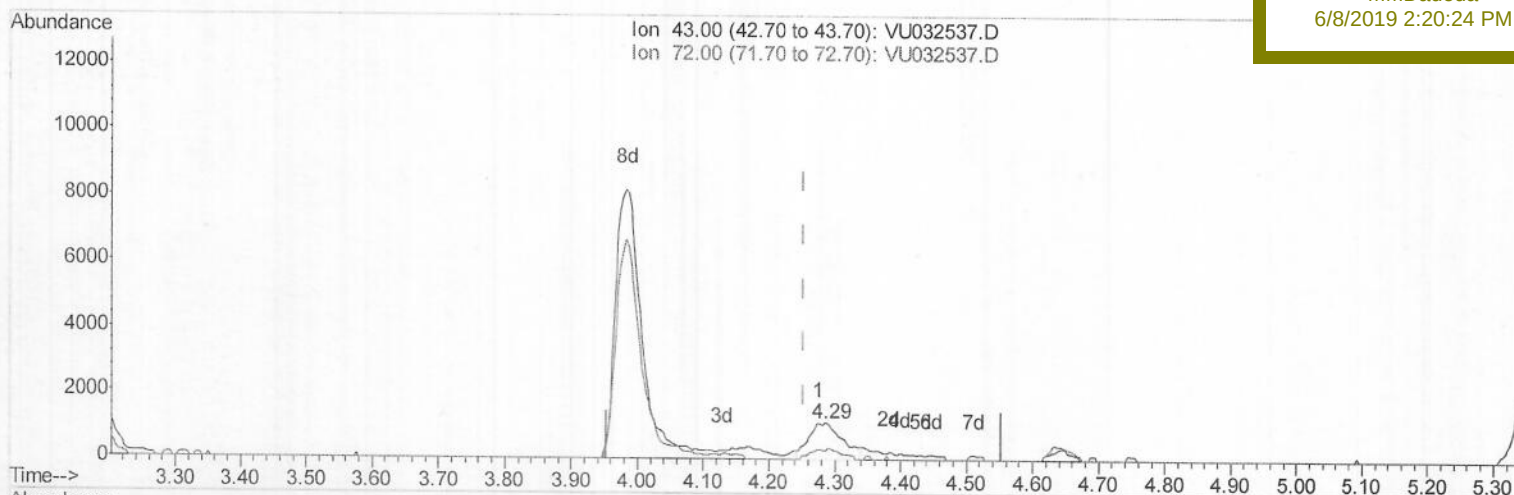
Data File : VU032537.D
Acq On : 07 Jun 2019 12:41
Operator : JC/SP
Sample : K3215-05DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 23:14:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
DB8H9DL

Manual Integrations
APPROVED

MMDadoda
6/8/2019 2:20:24 PM



(22) 2-Butanone (T)

4.286min (+0.032) 2.92ug/L m

response 4005

Ion Exp% Act%

43.00 100 100

72.00 26.20 5.49#

0.00 0.00 0.00

0.00 0.00 0.00

M. P
6/11/19

Data File : VU032537.D

Acq On : 07 Jun 2019 12:41

Operator : JC/SP

Sample : K3215-05DL 50X

Misc : 5.0mL/MSVOA_U/WATER

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 23:37:58 2019

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

Quant Title : VOC Analysis

QLast Update : Fri Jun 07 22:19:39 2019

Response via : Initial Calibration

Instrument :

MSVOA_U

Client Sample ID :

DB8H9DL

Manual Integrations

APPROVED

MMDadoda

6/8/2019 2:20:24 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.88	114	207161	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	192378	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101177	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75203	55.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.90%
7) Chloroethane-d5	1.68	69	57512	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.50%
11) 1,1-Dichloroethene-d2	2.27	63	107918	41.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.02%
21) 2-Butanone-d5	4.17	46	116196	103.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.31%
24) Chloroform-d	4.64	84	125359	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
26) 1,2-Dichloroethane-d4	5.30	65	84492	53.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.02%
32) Benzene-d6	5.33	84	268259	53.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.42%
36) 1,2-Dichloropropane-d6	6.32	67	84463	53.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.86%
41) Toluene-d8	7.56	98	251022	53.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.02%
43) trans-1,3-Dichloropropene-	7.85	79	38667	51.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.18%
47) 2-Hexanone-d5	8.31	63	84412	111.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	120649	53.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	103865	53.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Qvalue
13) Acetone	2.32	43	163421	140.813 ug/L	100
16) Methylene chloride	2.69	84	1667	1.188 ug/L	96
22) 2-Butanone	4.29	43	4005m	2.920 ug/L	100
33) Benzene	5.39	78	7220	1.336 ug/L	97
34) Trichloroethene	6.19	95	2753	1.872 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	48829	21.183 ug/L	92
42) Toluene	7.63	91	35746	6.039 ug/L	94
48) 2-Hexanone	8.36	43	10816	5.713 ug/L	98
52) Ethylbenzene	9.25	91	6869	1.041 ug/L	94
53) m,p-Xylene	9.37	106	9315	3.713 ug/L	100
54) o-xylene	9.77	106	8281	3.324 ug/L	100

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