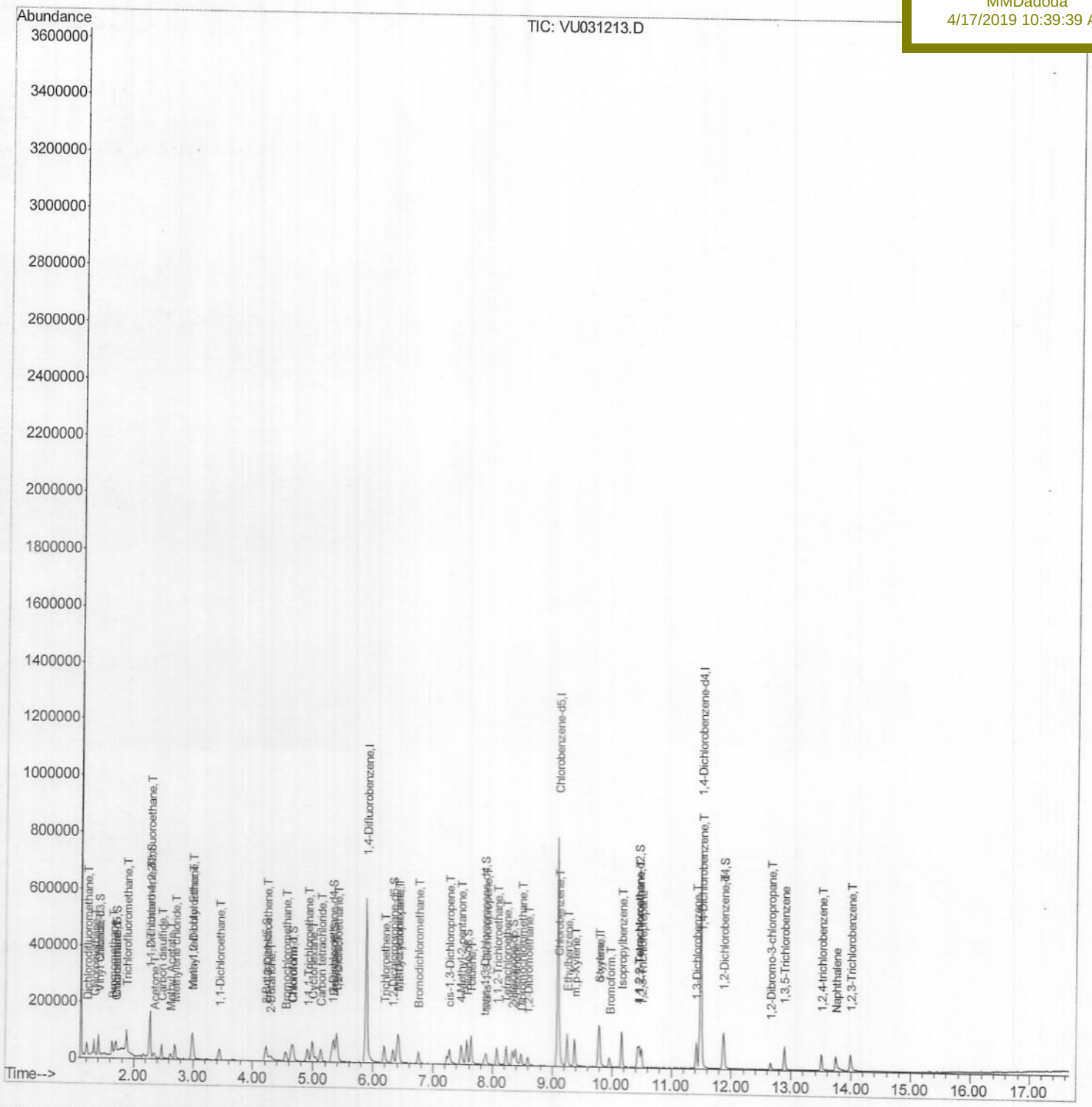
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031213.D
Acq On : 16 Apr 2019 16:08
Operator : JC/SP
Sample : VSTD00547
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 02:42:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 17 02:35:17 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Manual Integrations APPROVED
MMDadoda
4/17/2019 10:39:39 AM



Quantitation Report (Qedit)

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Data File : VU031213.D
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Quant Time: Apr 17 02:38:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 17 02:35:17 2019
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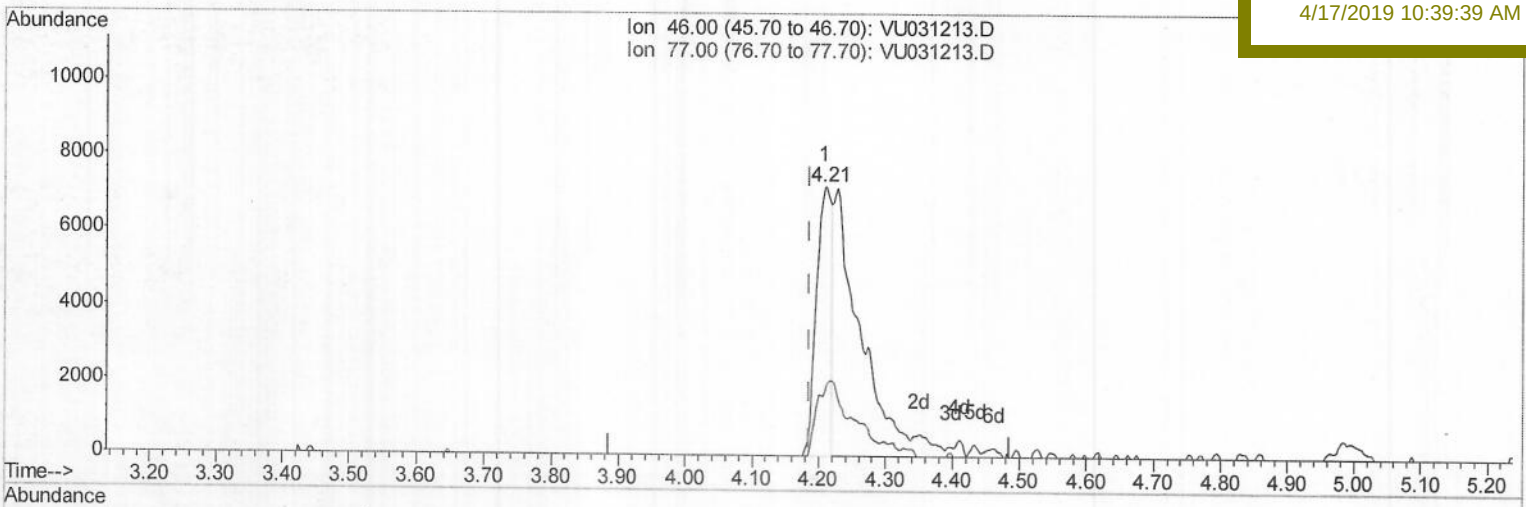
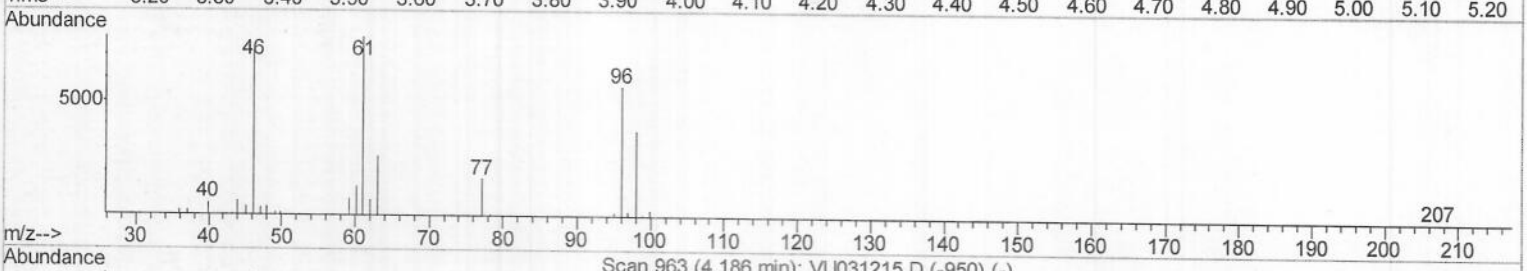
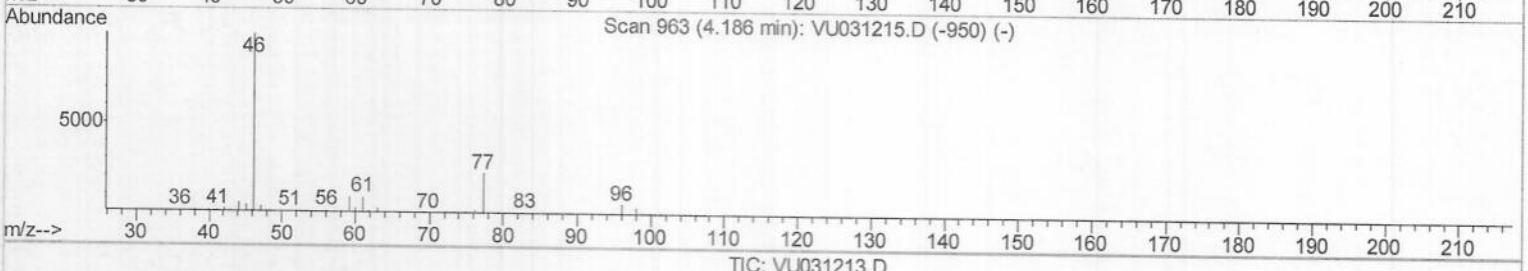
Manual Integrations APPROVED
MMDadoda
4/17/2019 10:39:39 AM







TIC: VU031213.D

(21) 2-Butanone-d5 (S)

4.209min (+0.022) 3.10ug/L

response 11234

Ion	Exp%	Act%
46.00	100	100
77.00	22.40	13.45#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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ClientSampleId :
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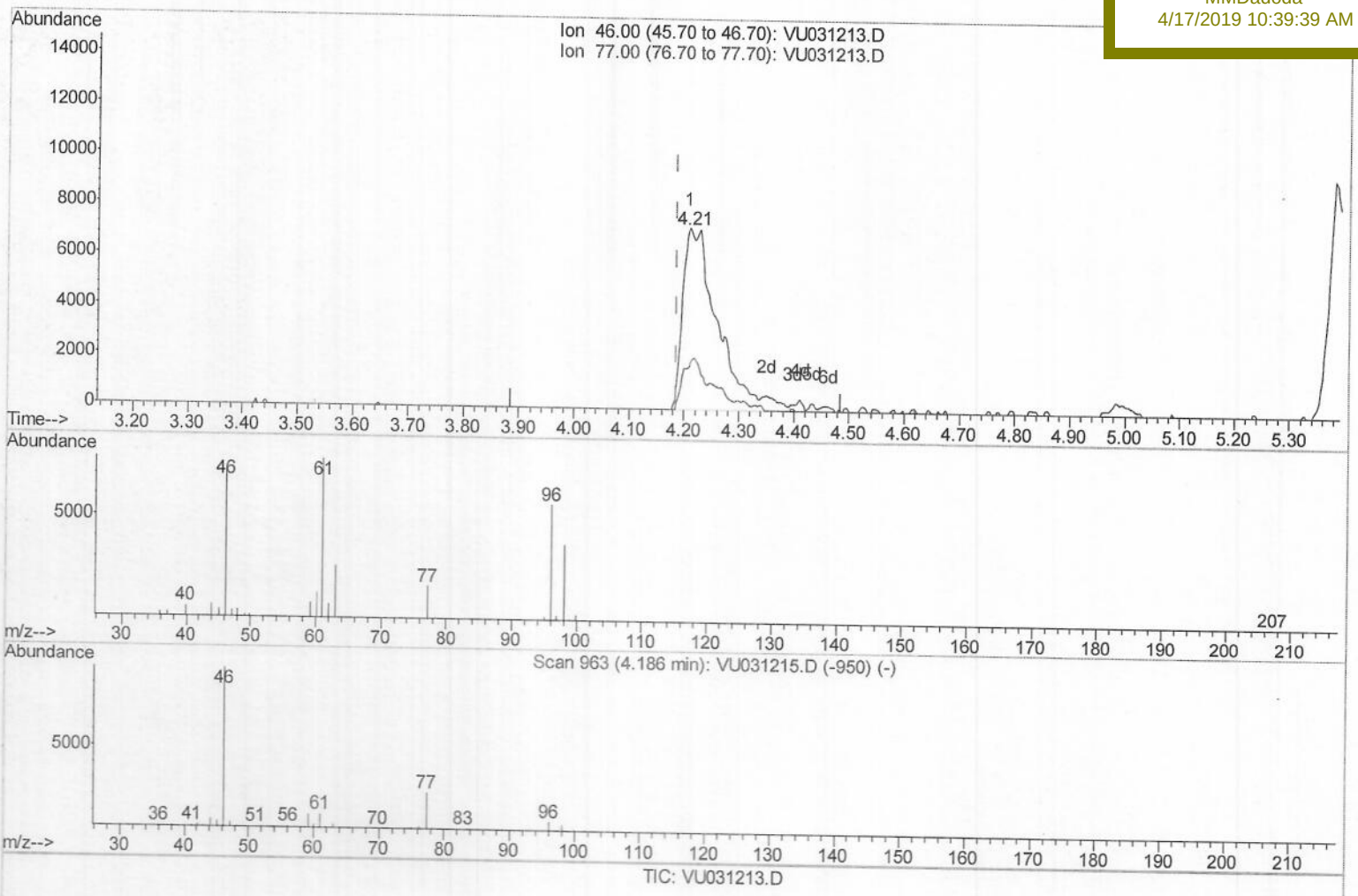
Manual Integrations APPROVED
MMDadoda
4/17/2019 10:39:39 AM



TIC: VU031213.D

(21) 2-Butanone-d5 (S)

4.209min (+0.022) 8.91ug/L m

response 32233

M.D 4/18/19

Ion	Exp%	Act%
46.00	100	100
77.00	22.40	4.69#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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Quant Title : VOC Analysis
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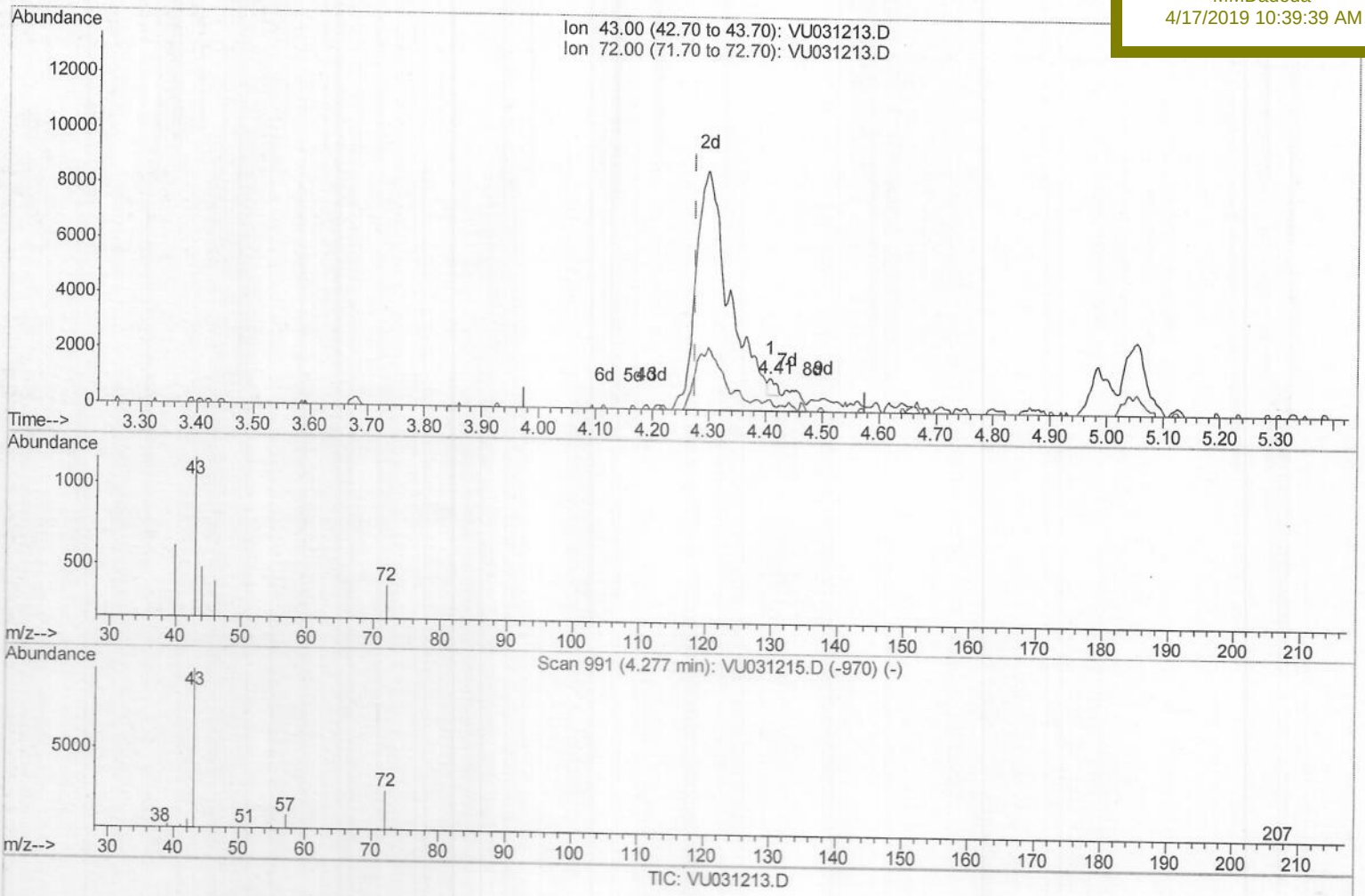
Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Manual Integrations APPROVED
MMDadoda
4/17/2019 10:39:39 AM



TIC: VU031213.D

(22) 2-Butanone (T)

4.408min (+0.132) 0.14ug/L

response 600

Ion	Exp%	Act%
43.00	100	100
72.00	25.20	35.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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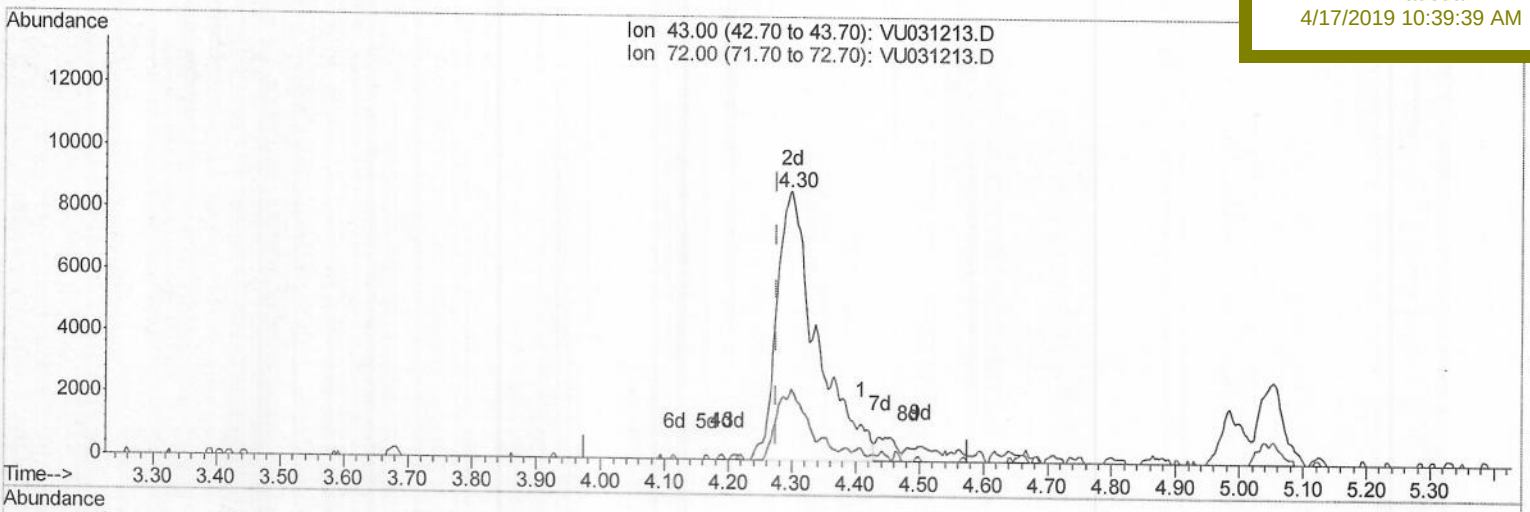
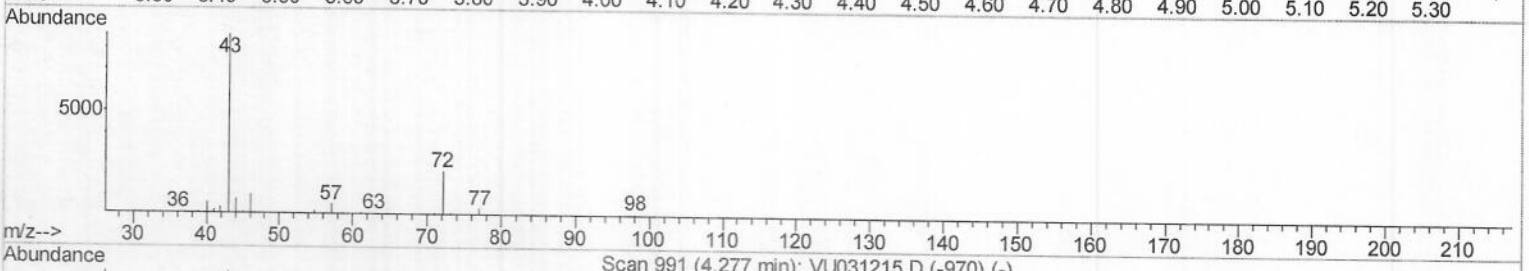
Data File : VU031213.D
Acq On : 16 Apr 2019 16:08
Operator : JC/SP
Sample : VSTD00547
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

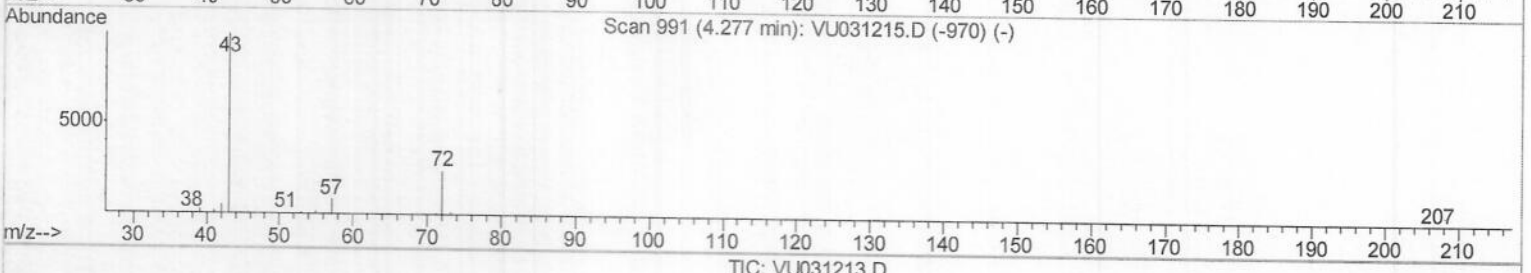
Quant Time: Apr 17 02:38:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 17 02:35:17 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Manual Integrations APPROVED
MMDadoda
4/17/2019 10:39:39 AM







TIC: VU031213.D

(22) 2-Butanone (T)

4.299min (+0.022) 8.99ug/L m

response 37851

M.D 4/18/19

Ion	Exp%	Act%
43.00	100	100
72.00	25.20	0.55#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Sample : VSTD00547
Misc : 5.0mL/MSVOA_U/WATER
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Quant Time: Apr 17 02:42:54 2019
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Manual Integrations APPROVED
MMDadoda
4/17/2019 10:39:39 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	515296	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	478262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	209927	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	24622	5.38	ug/L	0.00
7) Chloroethane-d5	1.68	69	20968	5.79	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	51312	6.09	ug/L	0.00
21) 2-Butanone-d5	4.21	46	32233m	8.91	ug/L	0.02
24) Chloroform-d	4.64	84	40532	5.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	25051	5.19	ug/L	0.00
32) Benzene-d6	5.34	84	76689	5.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	24520	5.12	ug/L	0.00
41) Toluene-d8	7.57	98	60882	4.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	11140	5.06	ug/L	0.00
47) 2-Hexanone-d5	8.33	63	19886	9.08	ug/L	0.02
57) 1,1,2,2-Tetrachloroethane-	10.43	84	36600	5.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	25611	6.09	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	27023	5.935	ug/L	99
3) Chloromethane	1.32	50	33602	5.821	ug/L	99
5) Vinyl chloride	1.40	62	32249	5.788	ug/L	99
6) Bromomethane	1.63	94	21276	6.962	ug/L	97
8) Chloroethane	1.70	64	20303	6.165	ug/L	100
9) Trichlorofluoromethane	1.87	101	46184	6.809	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	23070	6.161	ug/L	95
12) 1,1-Dichloroethene	2.27	96	22610	6.290	ug/L	94
13) Acetone	2.34	43	28774	8.256	ug/L	99
14) Carbon disulfide	2.47	76	60765	5.567	ug/L	99
15) Methyl Acetate	2.62	43	24578	4.473	ug/L	97
16) Methylene chloride	2.69	84	22003	5.212	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	21444	5.795	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	62334	5.058	ug/L	97
19) 1,1-Dichloroethane	3.44	63	41856	5.501	ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	23174	5.502	ug/L	85
22) 2-Butanone	4.30	43	37851m	8.988	ug/L	
23) Bromochloromethane	4.55	128	11746	5.869	ug/L	94
25) Chloroform	4.67	83	39876	5.092	ug/L	97
27) 1,2-Dichloroethane	5.40	62	30241	5.088	ug/L	96
29) Cyclohexane	4.99	56	35512	5.182	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	36005	6.080	ug/L #	71
31) Carbon tetrachloride	5.13	117	30255	5.924	ug/L	98
33) Benzene	5.39	78	86496	5.501	ug/L	100
34) Trichloroethene	6.18	95	22921	5.942	ug/L	91
35) Methylcyclohexane	6.41	83	30980	5.257	ug/L	97
37) 1,2-Dichloropropane	6.43	63	23015	5.259	ug/L #	97
38) Bromodichloromethane	6.76	83	30032	5.617	ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	32243	5.162	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	59043	8.599	ug/L #	95

M.D 4/18/19

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Manual Integrations APPROVED
MMDadoda
4/17/2019 10:39:39 AM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Toluene	7.64	91	80954	5.097 ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	27655	5.007 ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	20507	5.433 ug/L	97
46) Tetrachloroethene	8.22	164	16092	5.674 ug/L	97
48) 2-Hexanone	8.38	43	47509	8.904 ug/L	95
49) Dibromochloromethane	8.48	129	21620	5.389 ug/L	99
50) 1,2-Dibromoethane	8.59	107	20562	5.072 ug/L	95
51) Chlorobenzene	9.12	112	54607	5.560 ug/L	95
52) Ethylbenzene	9.25	91	87611	5.055 ug/L	99
53) m,p-Xylene	9.37	106	26825	4.411 ug/L	92
54) o-xylene	9.78	106	29703	4.905 ug/L	94
55) Styrene	9.79	104	49827	4.820 ug/L	96
56) Isopropylbenzene	10.16	105	78287	4.936 ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	36356	5.403 ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	28102	5.379 ug/L	93
61) Bromoform	9.96	173	15750	5.644 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	39642	5.985 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	39633	5.856 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	41719	6.237 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	8017	5.787 ug/L	86
67) 1,3,5-Trichlorobenzene	12.89	180	27416	5.623 ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	19394	4.715 ug/L	95
69) Naphthalene	13.75	128	59516	4.483 ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	23250	5.369 ug/L	98

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