

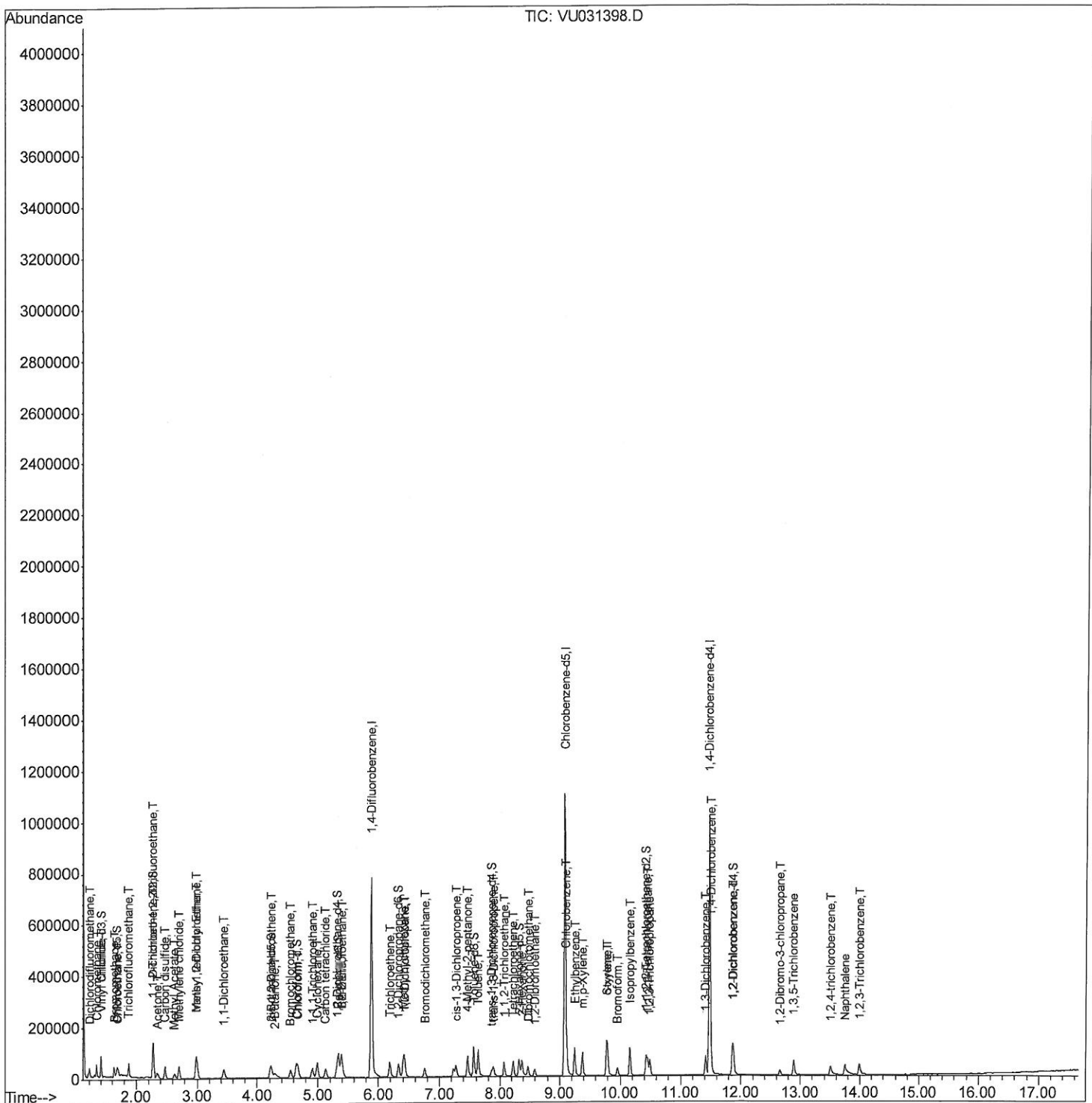
```
Data File : VU031398.D
Acq On    : 22 Apr 2019  17:27
Operator  : JC/SP
Sample    : VSTD00548
Misc      : 5.0mL/MSVOA_U/WATER
ALS Vial  : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

Manual Integrations

MMDadoda
4/23/2019 11:26:14 AM

Quant Time: Apr 23 03:02:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 02:55:51 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Quantitation Report (Qedit)

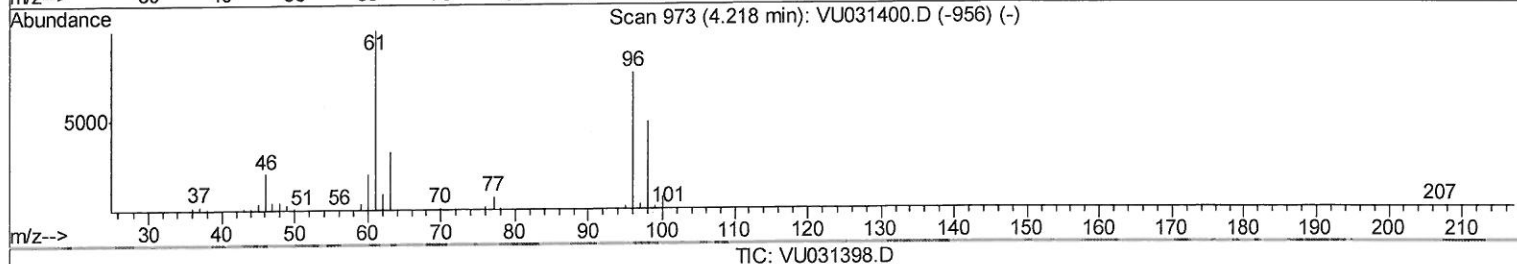
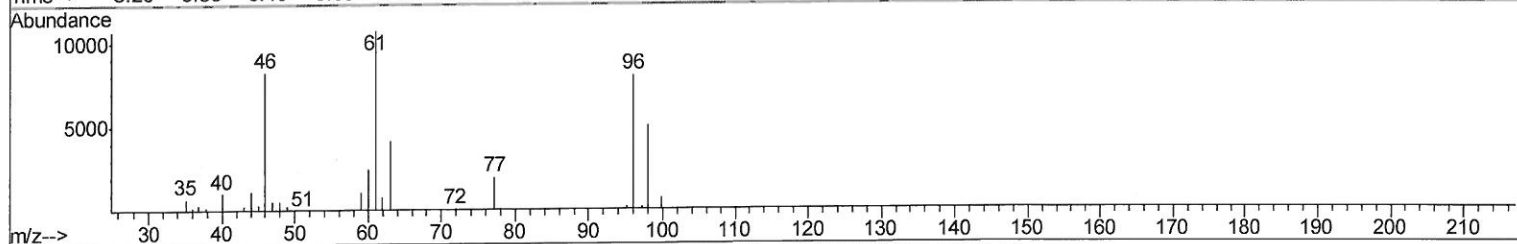
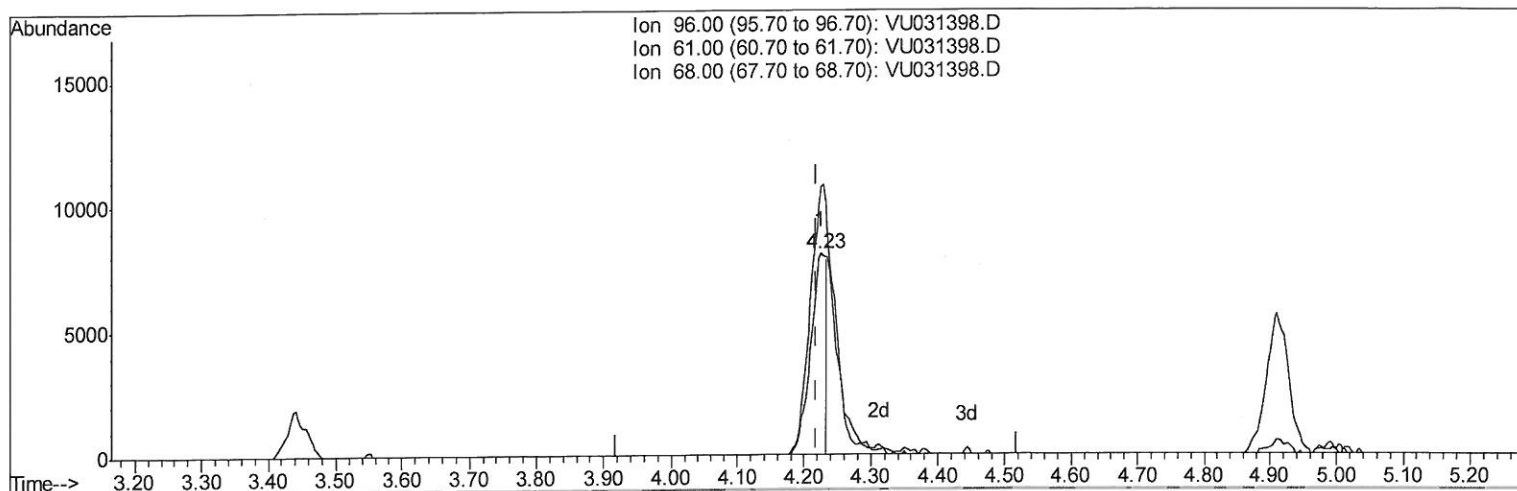
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VSTD00548

Manual Integrations
APPROVED

MMDadoda
4/23/2019 11:26:14 AM

Quant Time: Apr 23 02:58:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration



(20) cis-1,2-Dichloroethene (T)

4.225min (+0.007) 2.15ug/L

response 12428

Ion	Exp%	Act%
96.00	100	100
61.00	131.30	133.04
68.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Quantitation Report (Qedit)

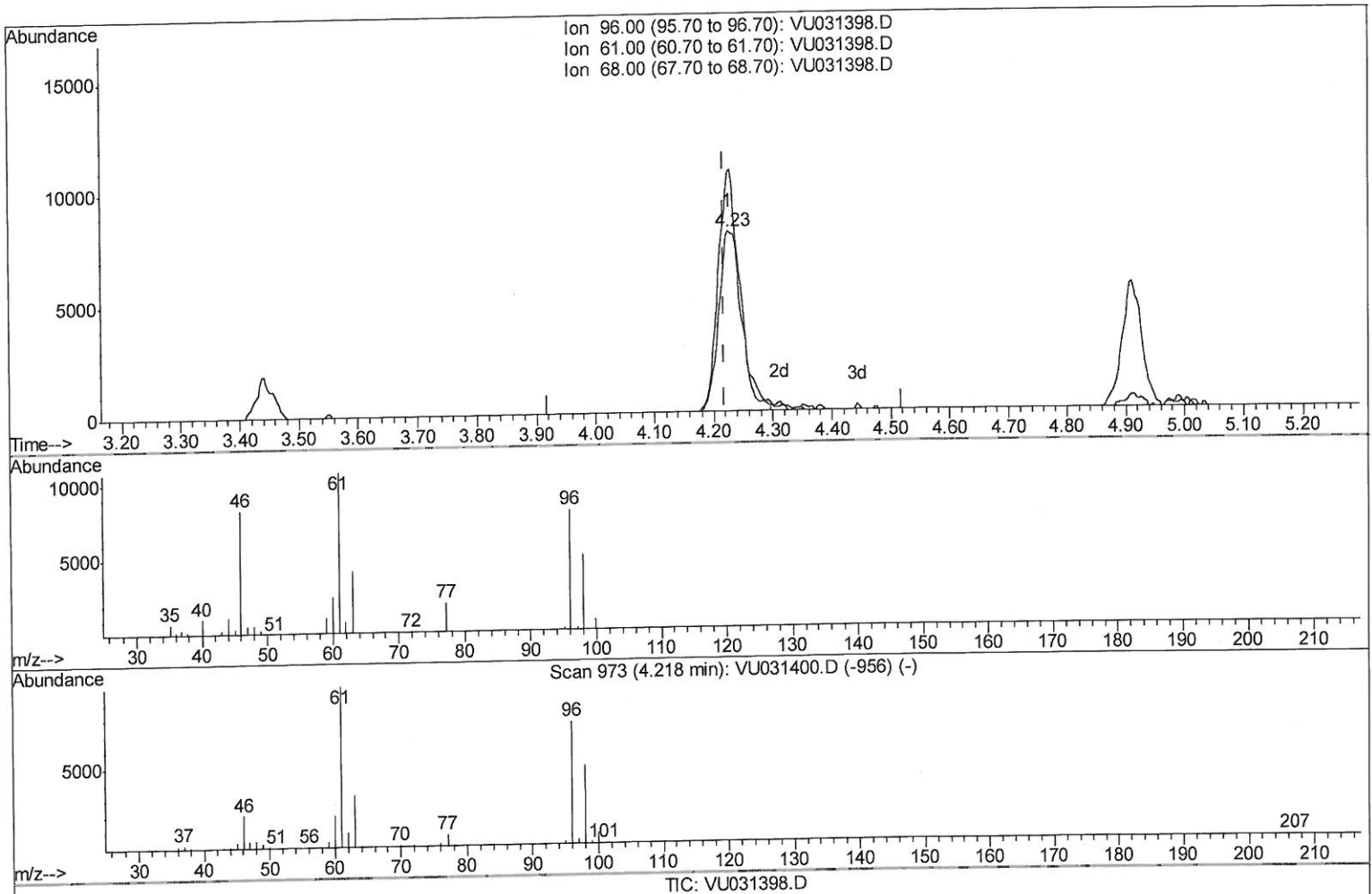
Data File : VU031398.D
Acq On : 22 Apr 2019 17:27
Operator : JC/SP
Sample : VSTD00548
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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_U
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VSTD00548

Manual Integrations
APPROVED

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Response via : Initial Calibration



(20) cis-1,2-Dichloroethene (T)

4.225min (+0.007) 3.73ug/L m

response 21526

Ion	Exp%	Act%
96.00	100	100
61.00	131.30	133.04
68.00	0.00	0.00
0.00	0.00	0.00

> MLO
4/24/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Quantitation Report (Qedit)

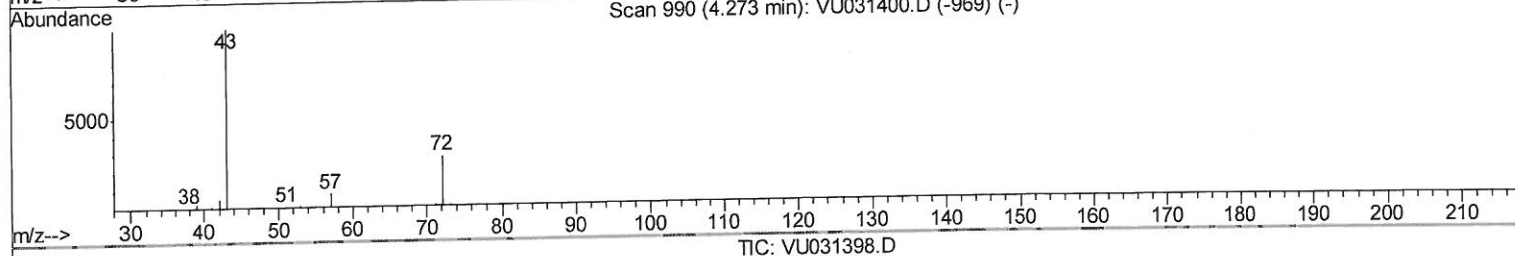
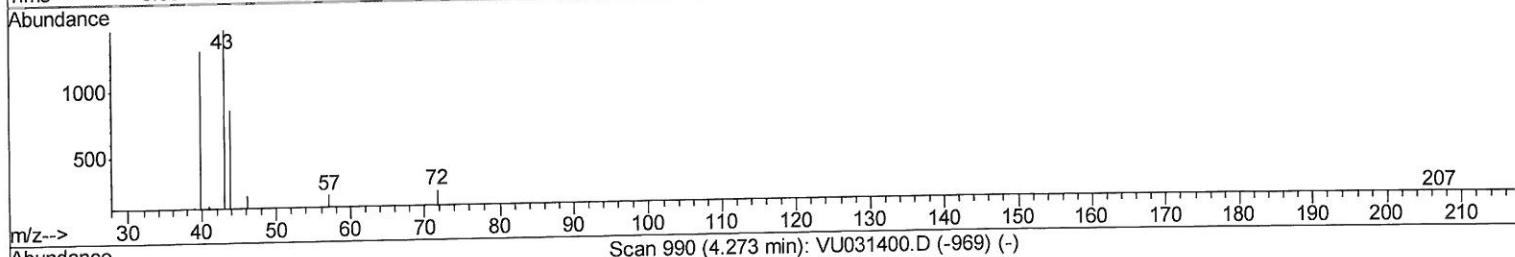
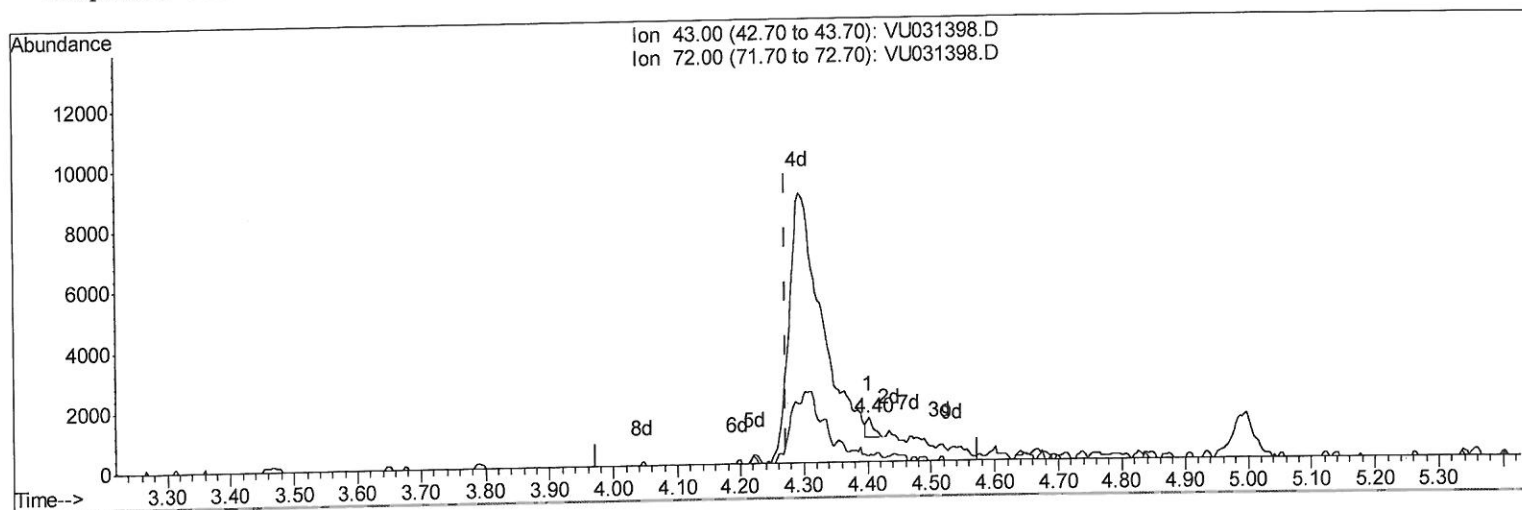
Data File : VU031398.D
Acq On : 22 Apr 2019 17:27
Operator : JC/SP
Sample : VSTD00548
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00548

Manual Integrations
APPROVED

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Quant Time: Apr 23 02:58:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 02:55:51 2019
Response via : Initial Calibration



(22) 2-Butanone (T)

4.402min (+0.129) 0.11ug/L

response 522

Ion	Exp%	Act%
43.00	100	100
72.00	25.20	17.24
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Quantitation Report (Qedit)

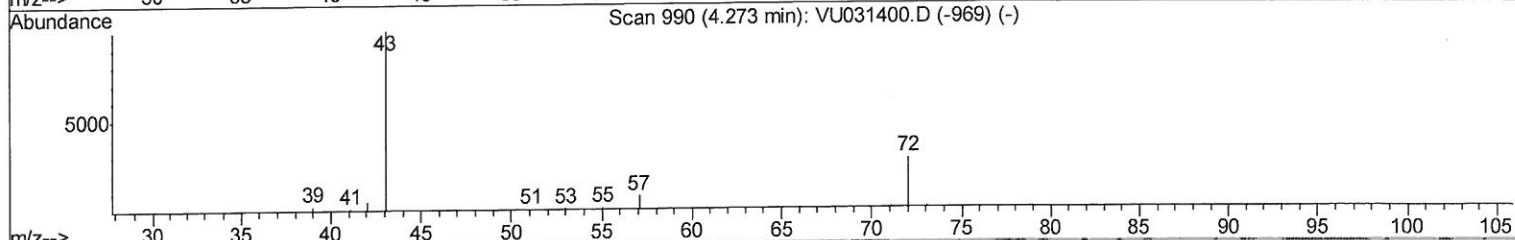
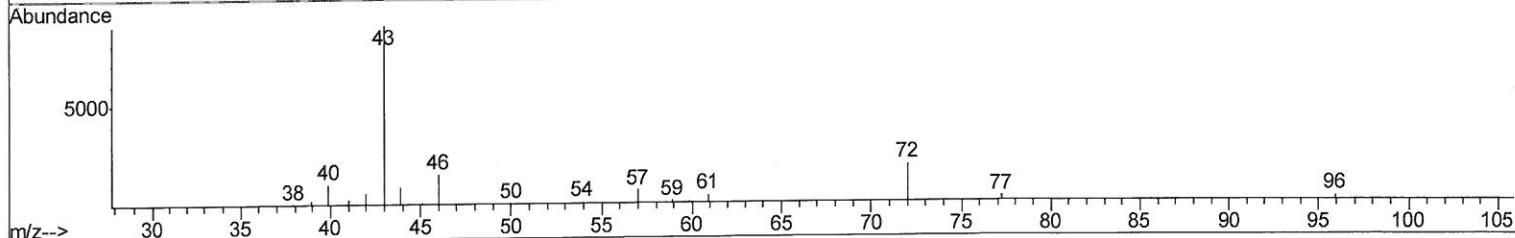
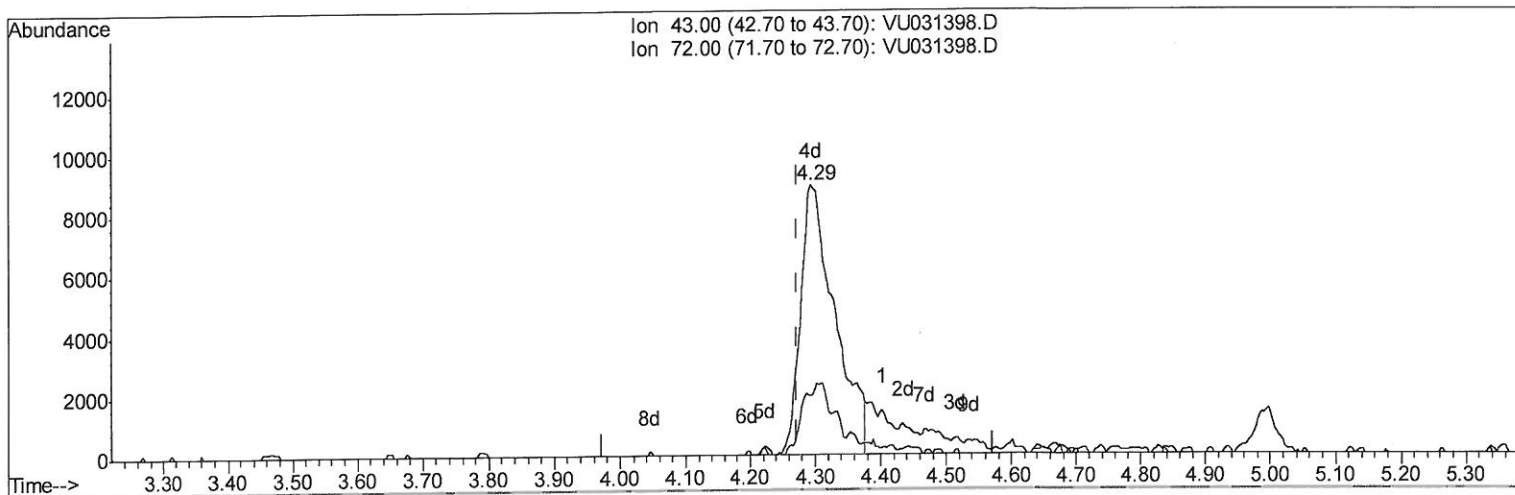
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Operator : JC/SP
Sample : VSTD00548
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 02:55:51 2019
Response via : Initial Calibration



TIC: VU031398.D

(22) 2-Butanone (T)

4.293min (+0.019) 6.62ug/L m

response 32593

Ion	Exp%	Act%
43.00	100	100
72.00	25.20	0.28#
0.00	0.00	0.00
0.00	0.00	0.00

> MB
4/24/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Quantitation Report (QT Reviewed)

Data File : VU031398.D
Acq On : 22 Apr 2019 17:27
Operator : JC/SP
Sample : VSTD00548
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
Client Sampled :
VSTD00548

Manual Integrations
APPROVED

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Quant Time: Apr 23 03:02:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 02:55:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	711658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	641424	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	279147	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29972	4.61	ug/L	0.00
7) Chloroethane-d5	1.68	69	21802	4.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	49434	3.91	ug/L	0.00
21) 2-Butanone-d5	4.21	46	37000	7.94	ug/L	0.02
24) Chloroform-d	4.65	84	47118	4.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	27802	4.28	ug/L	0.00
32) Benzene-d6	5.34	84	94323	4.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	29596	4.54	ug/L	0.00
41) Toluene-d8	7.57	98	81192	4.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	12246	3.97	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	27770	8.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39756	4.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	29680	4.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	22012	3.453 ug/L	94
3) Chloromethane	1.32	50	30804	4.013 ug/L	100
5) Vinyl chloride	1.40	62	28274	3.678 ug/L	97
6) Bromomethane	1.63	94	16140	3.284 ug/L	93
8) Chloroethane	1.70	64	16004	3.330 ug/L	94
9) Trichlorofluoromethane	1.88	101	32783	3.147 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	18121	3.259 ug/L	98
12) 1,1-Dichloroethene	2.28	96	18710	3.424 ug/L	93
13) Acetone	2.35	43	32042	8.687 ug/L	93
14) Carbon disulfide	2.48	76	57579	3.852 ug/L	97
15) Methyl Acetate	2.63	43	26751	4.157 ug/L	# 54
16) Methylene chloride	2.70	84	21810	4.019 ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	18859	3.694 ug/L	100
18) Methyl tert-butyl Ether	3.00	73	61485	3.826 ug/L	99
19) 1,1-Dichloroethane	3.44	63	36916	3.676 ug/L	92
20) cis-1,2-Dichloroethene	4.23	96	21526m	3.727 ug/L	MD 4/24/19
22) 2-Butanone	4.29	43	32593m	6.616 ug/L	
23) Bromochloromethane	4.56	128	10936	3.819 ug/L	95
25) Chloroform	4.67	83	34592	3.449 ug/L	91
27) 1,2-Dichloroethane	5.41	62	26046	3.421 ug/L	98
29) Cyclohexane	4.99	56	31909	3.607 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	29723	3.586 ug/L	97
31) Carbon tetrachloride	5.13	117	24380	3.403 ug/L	93
33) Benzene	5.39	78	82349	3.879 ug/L	100
34) Trichloroethene	6.19	95	23748	4.424 ug/L	96
35) Methylcyclohexane	6.41	83	30710	3.834 ug/L	98
37) 1,2-Dichloropropane	6.43	63	20654	3.646 ug/L	98
38) Bromodichloromethane	6.76	83	25785	3.607 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	26349	3.086 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	61770	7.673 ug/L	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	80841	3.777	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	24093	3.285	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	19600	3.846	ug/L	98
46) Tetrachloroethene	8.22	164	14300	3.555	ug/L	98
48) 2-Hexanone	8.37	43	45650	7.140	ug/L	96
49) Dibromochloromethane	8.48	129	20083	3.651	ug/L	92
50) 1,2-Dibromoethane	8.58	107	18817	3.481	ug/L	91
51) Chlorobenzene	9.12	112	51446	3.857	ug/L	97
52) Ethylbenzene	9.25	91	84152	3.621	ug/L	98
53) m,p-Xylene	9.37	106	29487	3.582	ug/L	94
54) o-xylene	9.78	106	29321	3.512	ug/L	99
55) Styrene	9.79	104	47433	3.392	ug/L	99
56) Isopropylbenzene	10.16	105	73196	3.422	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	33636	3.825	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	26067	3.850	ug/L	99
61) Bromoform	9.95	173	14314	3.744	ug/L #	92
62) 1,3-Dichlorobenzene	11.42	146	34669	3.770	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	32922	3.583	ug/L	92
65) 1,2-Dichlorobenzene	11.88	146	35537	3.686	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	6371	3.452	ug/L	86
67) 1,3,5-Trichlorobenzene	12.89	180	22608	3.291	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	14233	2.570	ug/L	94
69) Naphthalene	13.75	128	56481	3.209	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.99	180	17291	2.866	ug/L	95

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