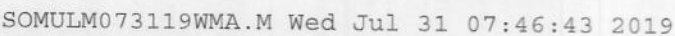


Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

MMDadoda
7/31/2019 10:33:45 AM



Data File : VU033498.D

Acq On : 30 Jul 2019 17:17

Operator : JC/SP

Sample : VSTD00533

Misc : 5.0mL/MSVOA_U/WATER

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 07:40:04 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Jul 31 07:35:00 2019

Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

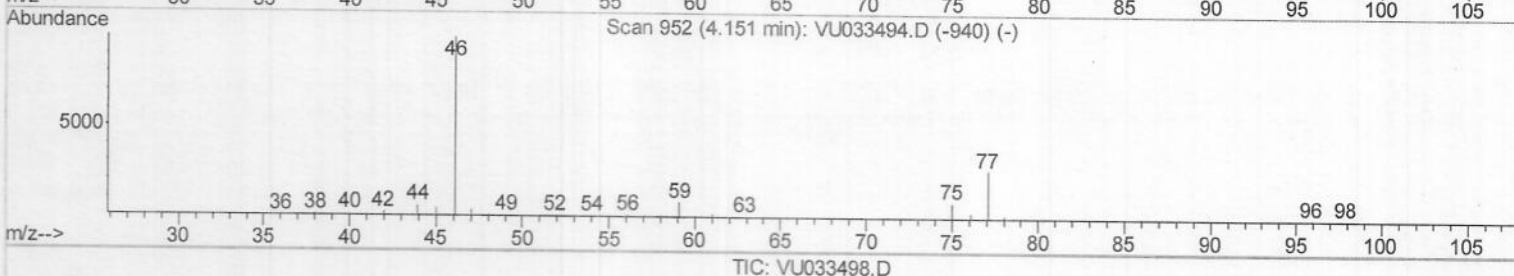
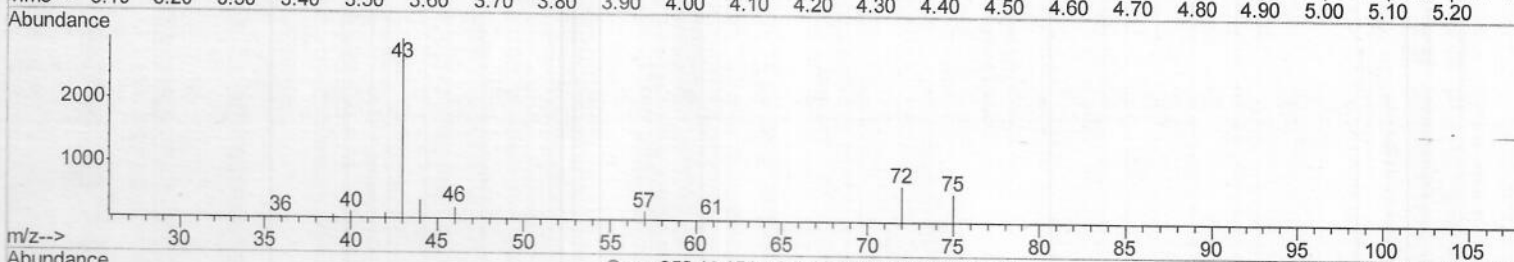
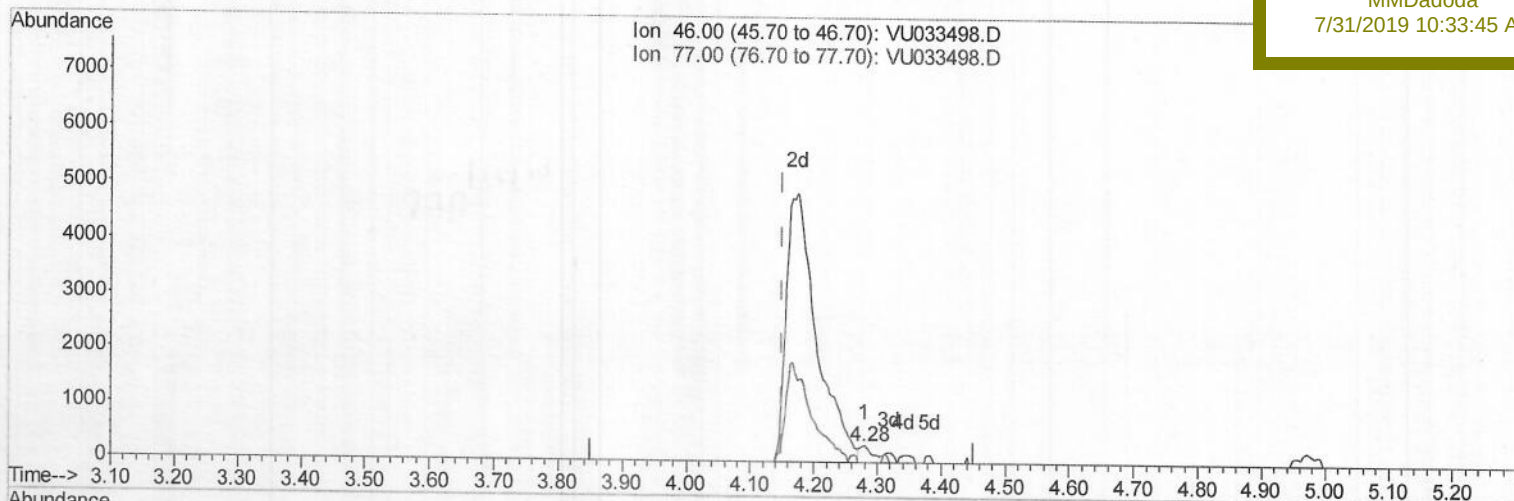
VSTD00533

Manual Integrations

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(21) 2-Butanone-d5 (S)

4.280min (+0.129) 0.26ug/L

response 412

Ion	Exp%	Act%
46.00	100	100
77.00	26.20	23.79
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VU033498.D

Acq On : 30 Jul 2019 17:17

Operator : JC/SP

Sample : VSTD00533

Misc : 5.0mL/MSVOA_U/WATER

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 07:40:04 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Jul 31 07:35:00 2019

Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

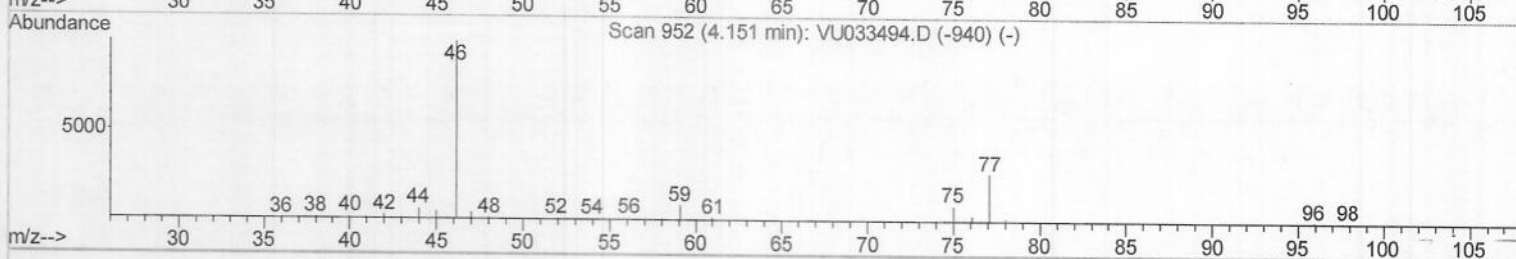
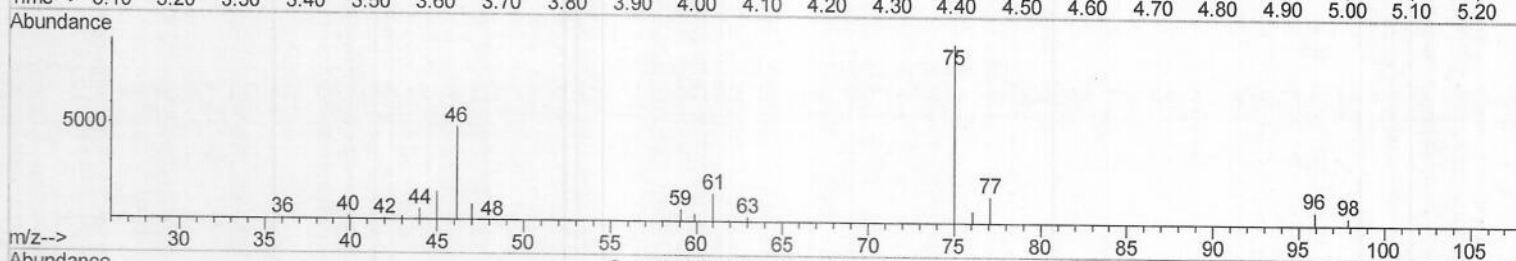
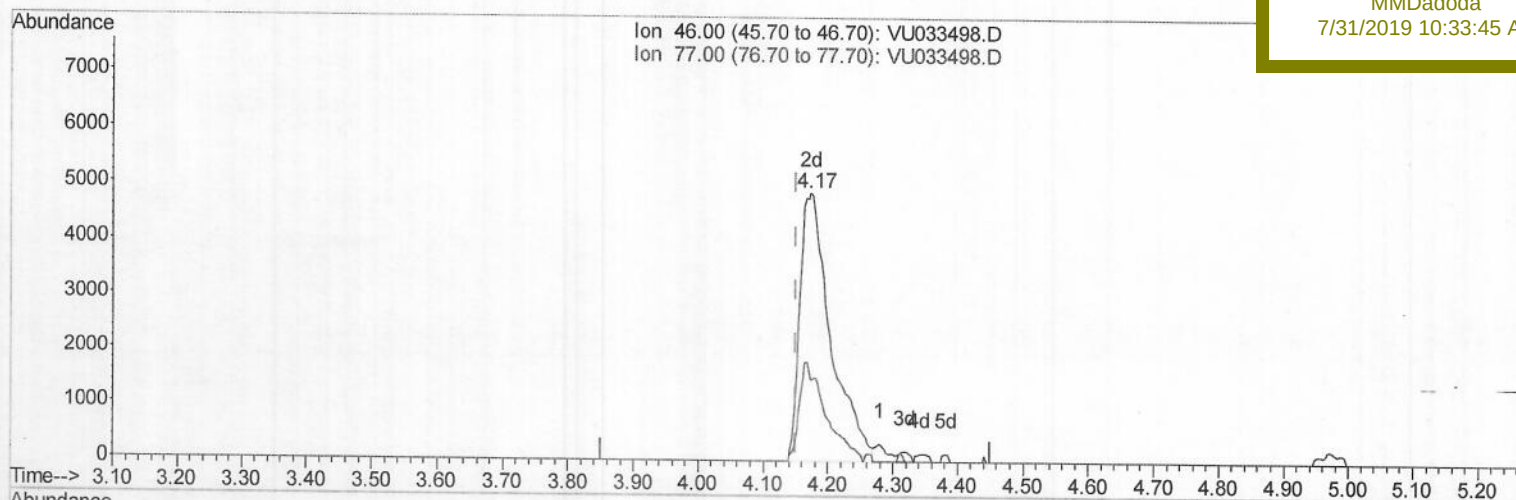
VSTD00533

Manual Integrations

APPROVED

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7/31/2019 10:33:45 AM



TIC: VU033498.D

(21) 2-Butanone-d5 (S)

4.174min (+0.023) 10.08ug/L m)MD08114119

response 16091

Ion	Exp%	Act%
46.00	100	100
77.00	26.20	0.61#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073119\
Quantitation Report (Qedit)

Data File : VU033498.D

Acq On : 30 Jul 2019 17:17

Operator : JC/SP

Sample : VSTD00533

Misc : 5.0mL/MSVOA_U/WATER

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 07:40:04 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Jul 31 07:35:00 2019

Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

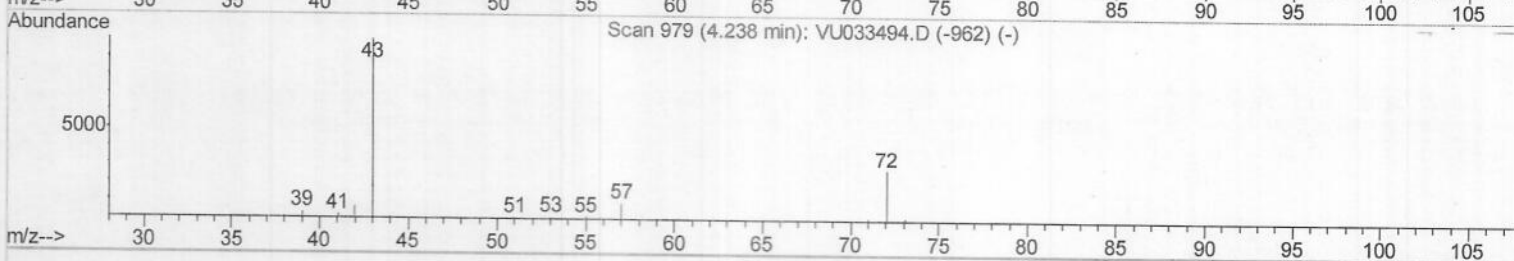
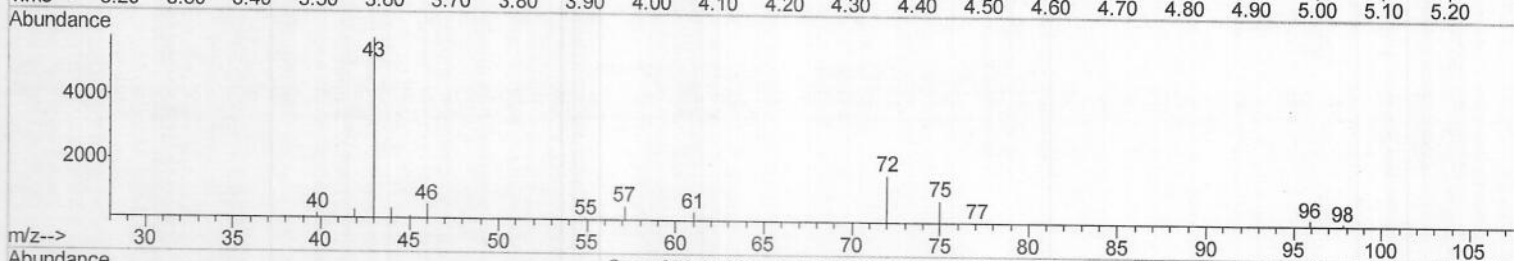
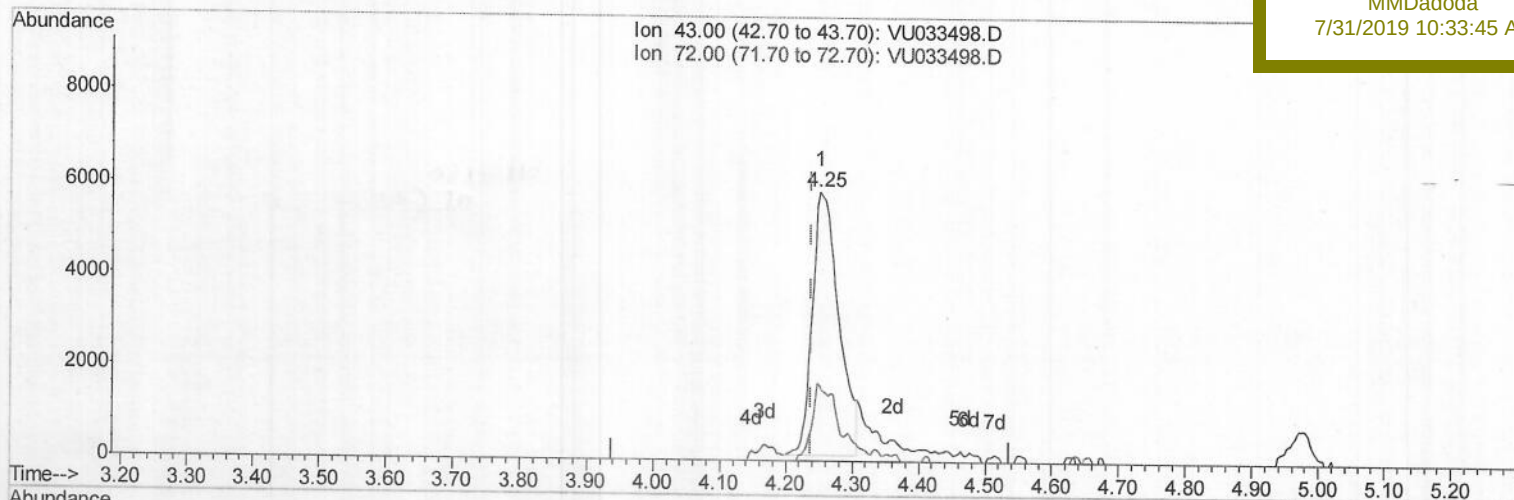
VSTD00533

Manual Integrations

APPROVED

MMDadoda

7/31/2019 10:33:45 AM



TIC: VU033498.D

(22) 2-Butanone (T)

4.251min (+0.013) 7.19ug/L

response 15848

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	16.78
0.00	0.00	0.00
0.00	0.00	0.00

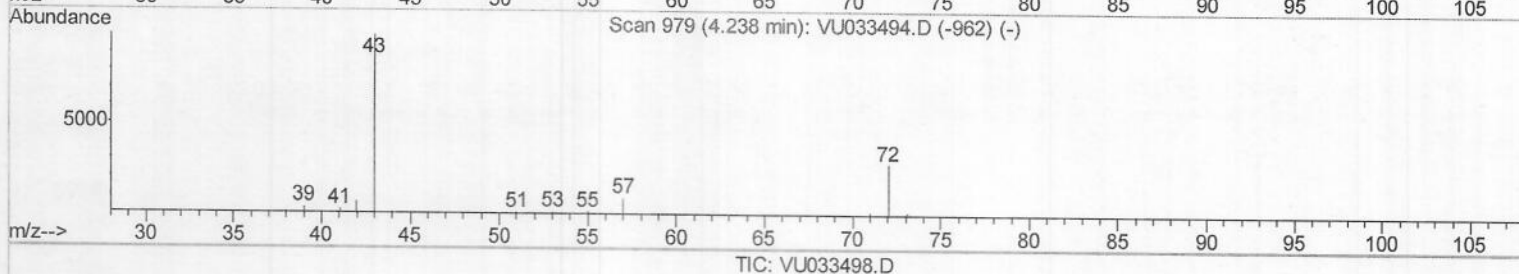
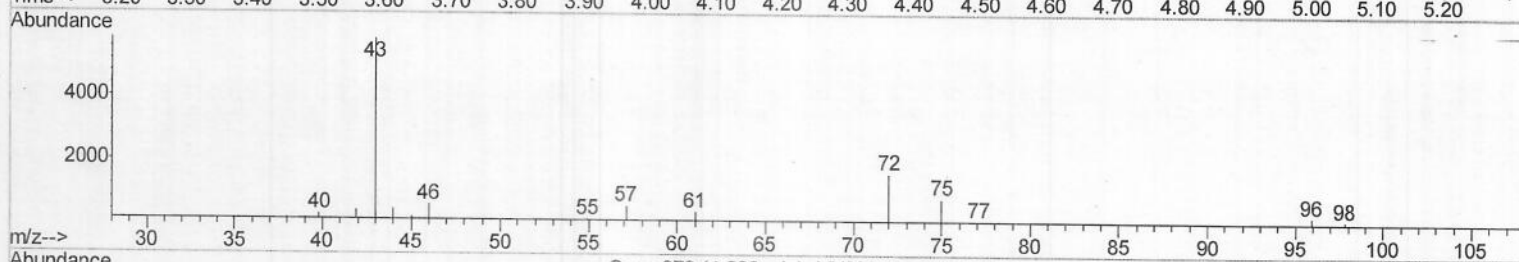
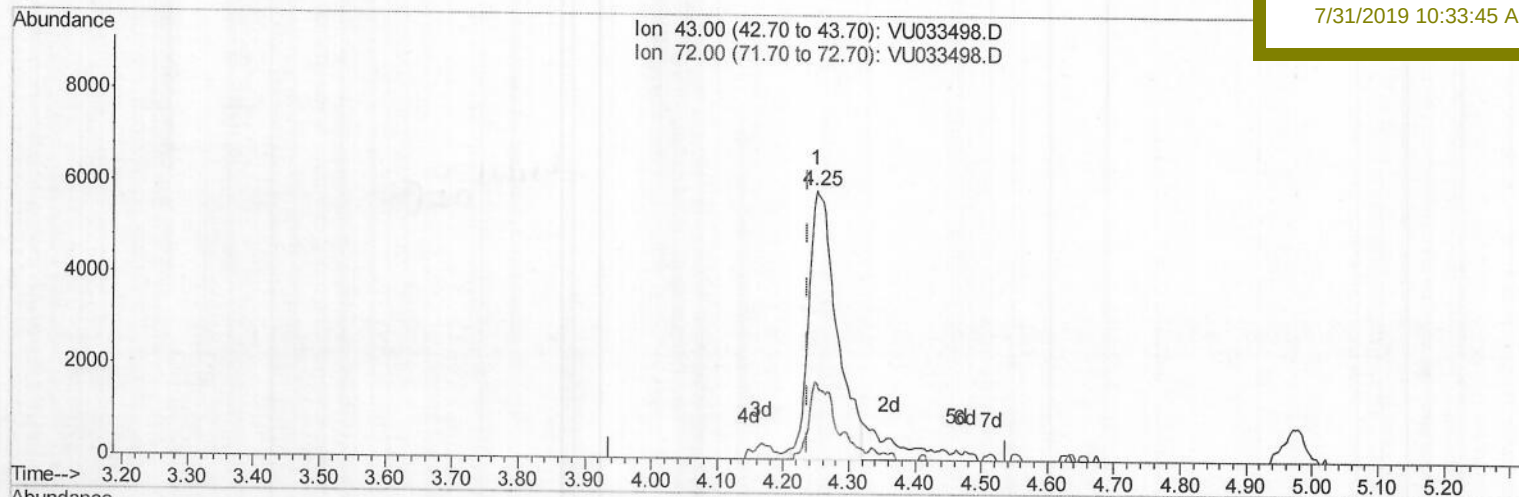
Data File : VU033498.D
Acq On : 30 Jul 2019 17:17
Operator : JC/SP
Sample : VSTD00533
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 07:40:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 07:35:00 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:45 AM



(22) 2-Butanone (T)

4.251min (+0.013) 7.86ug/L m) MD 08/11/19

response 17335

Ion	Exp%	Act%
43.00	100	100
72.00	28.40	15.34
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VU033498.D
Acq On : 30 Jul 2019 17:17
Operator : JC/SP
Sample : VSTD00533
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
Client Sample ID :
VSTD00533

Quant Time: Jul 31 07:48:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 07:35:00 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

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7/31/2019 10:33:45 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.86	114	329447	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	317906	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	161326	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	12642	5.09	ug/L	0.00
7) Chloroethane-d5	1.67	69	10762	5.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	22178	5.03	ug/L	0.00
21) 2-Butanone-d5	4.17	46	16091m)	10.08	ug/L	0.02)
24) Chloroform-d	4.63	84	20754	4.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	13569	5.08	ug/L	0.00
32) Benzene-d6	5.32	84	40945	5.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	12935	5.13	ug/L	0.00
41) Toluene-d8	7.55	98	37533	5.07	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	6136	5.01	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	10745	9.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	20884	5.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	17325	5.99	ug/L	0.00

MD08117119

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	15708	4.790	ug/L 98
3) Chloromethane	1.32	50	15576	4.792	ug/L 99
5) Vinyl chloride	1.39	62	16421	4.442	ug/L 94
6) Bromomethane	1.62	94	11442	4.586	ug/L 98
8) Chloroethane	1.69	64	10236	4.557	ug/L 90
9) Trichlorofluoromethane	1.87	101	22062	4.541	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	11509	5.126	ug/L 98
12) 1,1-Dichloroethene	2.27	96	10193	4.650	ug/L 90
13) Acetone	2.32	43	16409	8.348	ug/L 99
14) Carbon disulfide	2.46	76	35727	5.272	ug/L 100
15) Methyl Acetate	2.60	43	12744	4.859	ug/L 95
16) Methylene chloride	2.68	84	12356	4.882	ug/L 94
17) trans-1,2-Dichloroethene	2.97	96	11366	4.958	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	32240	4.555	ug/L 99
19) 1,1-Dichloroethane	3.42	63	20371	4.631	ug/L 97
20) cis-1,2-Dichloroethene	4.21	96	12628	4.893	ug/L 93
22) 2-Butanone	4.25	43	17335m)	7.860	ug/L 96)
23) Bromochloromethane	4.53	128	6436	4.829	ug/L 96
25) Chloroform	4.65	83	22054	4.701	ug/L 95
27) 1,2-Dichloroethane	5.39	62	16043	4.448	ug/L # 95
29) Cyclohexane	4.97	56	16799	4.779	ug/L 99
30) 1,1,1-Trichloroethane	4.89	97	18283	4.852	ug/L 98
31) Carbon tetrachloride	5.11	117	15176	4.609	ug/L 96
33) Benzene	5.37	78	45347	4.816	ug/L 100
34) Trichloroethene	6.17	95	12746	5.184	ug/L 97
35) Methylcyclohexane	6.40	83	17544	4.634	ug/L 98
37) 1,2-Dichloropropane	6.41	63	12388	4.869	ug/L # 94
38) Bromodichloromethane	6.74	83	15383	4.692	ug/L 95
39) cis-1,3-Dichloropropene	7.25	75	18020	4.569	ug/L 99
40) 4-Methyl-2-pentanone	7.44	43	32505	9.423	ug/L 97

MD08117119

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073119\
Quantitation Report (QT Reviewed)

Data File : VU033498.D
Acq On : 30 Jul 2019 17:17
Operator : JC/SP
Sample : VSTD00533
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 07:48:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 07:35:00 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:33:45 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	46745	4.610	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	16064	4.562	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	11500	4.774	ug/L	95
46) Tetrachloroethene	8.21	164	10287	5.330	ug/L	96
48) 2-Hexanone	8.35	43	25550	9.097	ug/L	97
49) Dibromochloromethane	8.46	129	12428	4.597	ug/L	99
50) 1,2-Dibromoethane	8.57	107	12742	4.837	ug/L #	98
51) Chlorobenzene	9.10	112	32768	4.950	ug/L	99
52) Ethylbenzene	9.23	91	48874	4.509	ug/L	100
53) m,p-Xylene	9.36	106	19069	4.645	ug/L	95
54) o-xylene	9.77	106	17319	4.242	ug/L	99
55) Styrene	9.78	104	28620	4.139	ug/L	97
56) Isopropylbenzene	10.15	105	46723	4.447	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	20739	4.879	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	15978	4.796	ug/L	98
61) Bromoform	9.94	173	9634	4.792	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	26398	5.224	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	27919	5.303	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	25794	4.995	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	4499	4.575	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	21015	5.672	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	16103	4.973	ug/L	98
69) Naphthalene	13.73	128	41474	4.085	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	17266	4.909	ug/L	95

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