

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\

Data File : VV012825.D

Acq On : 16 Sep 2019 09:05

Operator : SY/MD

Sample : VSTD0.533

Misc : 25.0mL/MSVOA V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 16:38:28 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Sep 16 16:35:54 2019

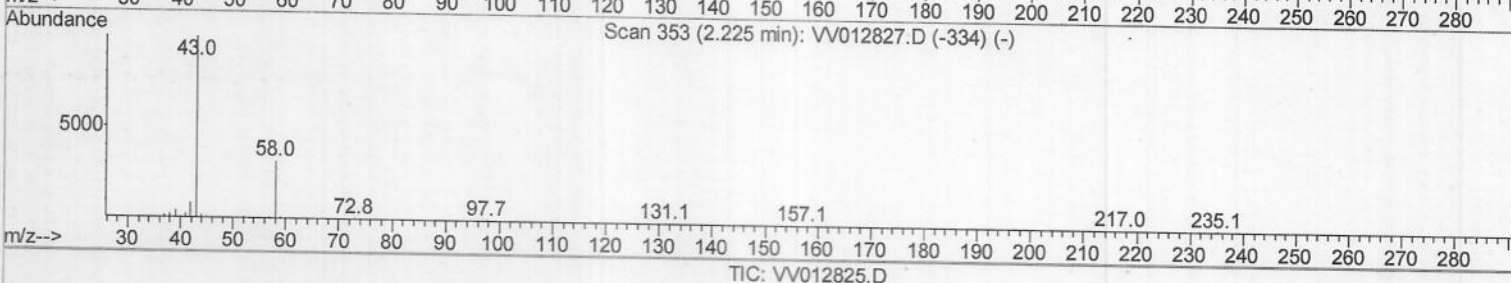
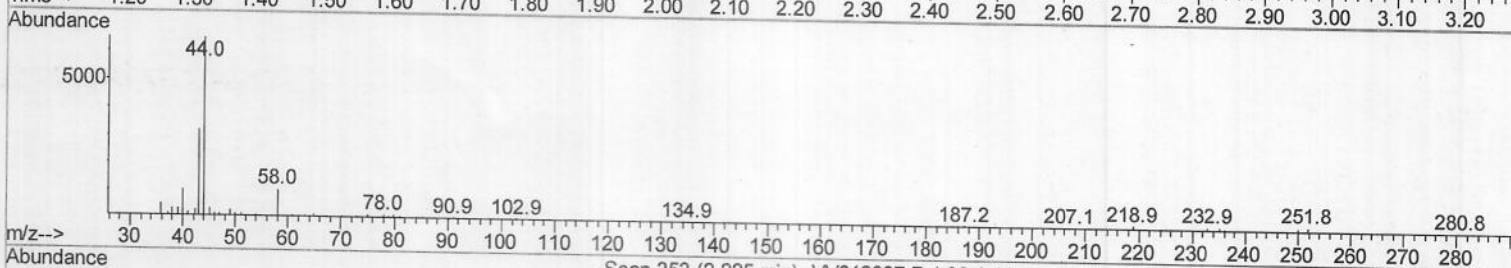
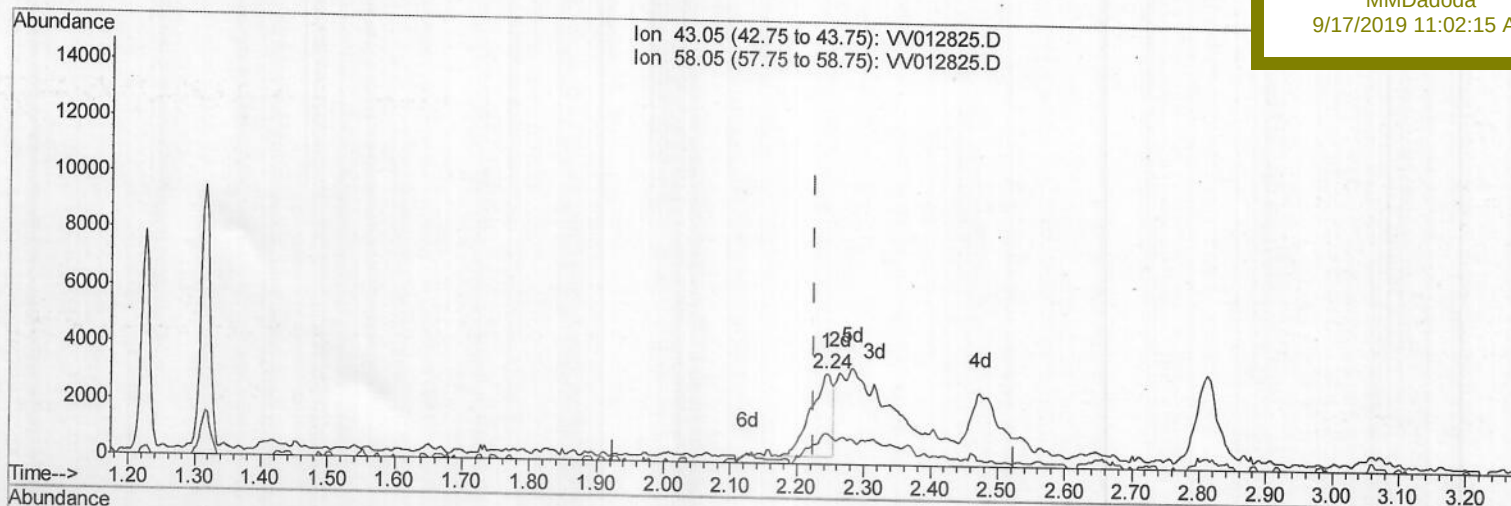
Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

Manual Integrations
APPROVEDMMDadoda
9/17/2019 11:02:15 AM

(13) Acetone (T)

2.245min (+0.019) 1.60ug/L

response 6715

Ion	Exp%	Act%
43.05	100	100
58.05	28.30	39.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\

Data File : VV012825.D

Acq On : 16 Sep 2019 09:05

Operator : SY/MD

Sample : VSTD0.533

Misc : 25.0mL/MSVOA V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 16:38:28 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Sep 16 16:35:54 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampleId :

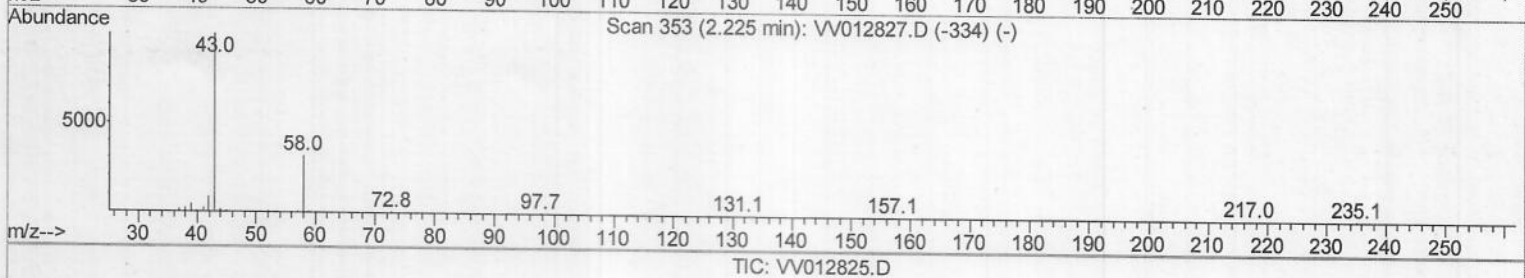
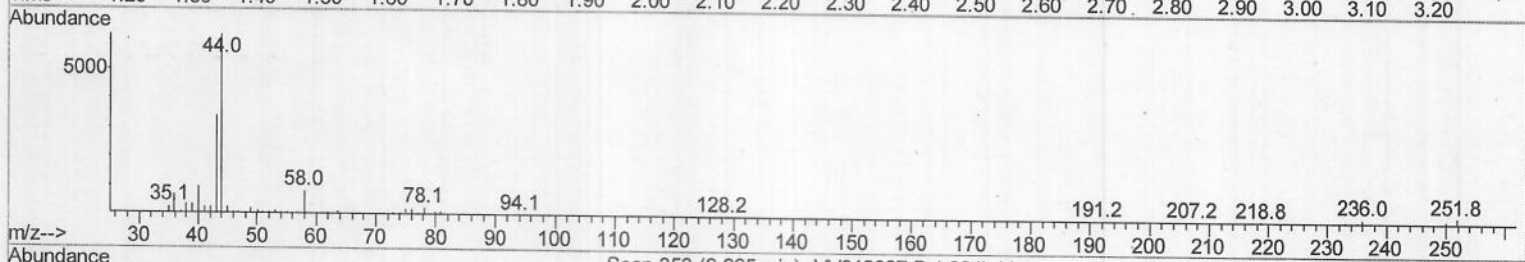
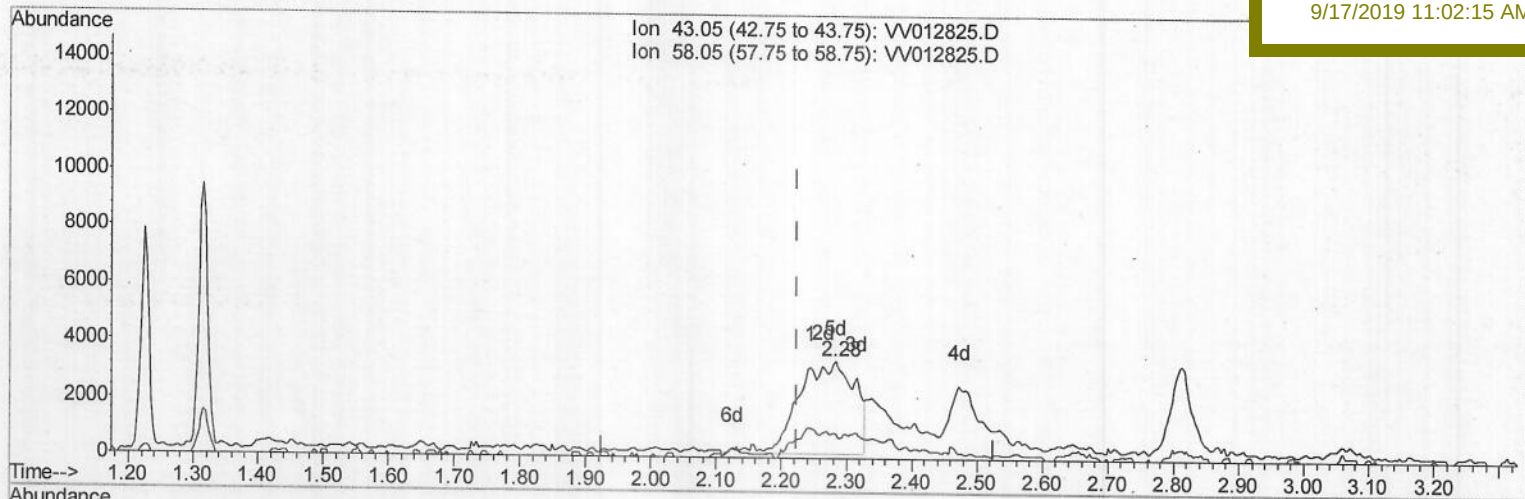
VSTD0.533

Manual Integrations

APPROVED

MMDadoda

9/17/2019 11:02:15 AM



(13) Acetone (T)

2.283min (+0.058) 4.53ug/L m

response 19018

Ion	Exp%	Act%
43.05	100	100
58.05	28.30	13.89
0.00	0.00	0.00
0.00	0.00	0.00

M.D 09/18/19

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\

Data File : VV012825.D

Acq On : 16 Sep 2019 09:05

Operator : SY/MD

Sample : VSTD0.533

Misc : 25.0mL/MSVOA V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 16:38:28 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Sep 16 16:35:54 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

ClientSampleId :

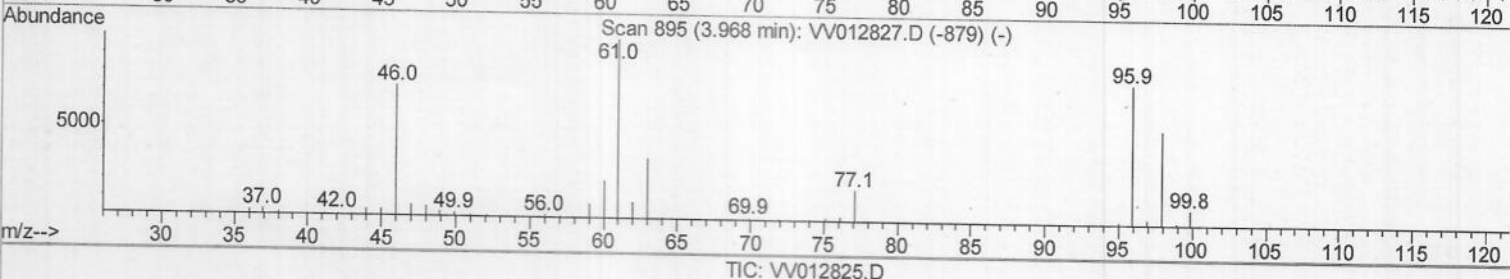
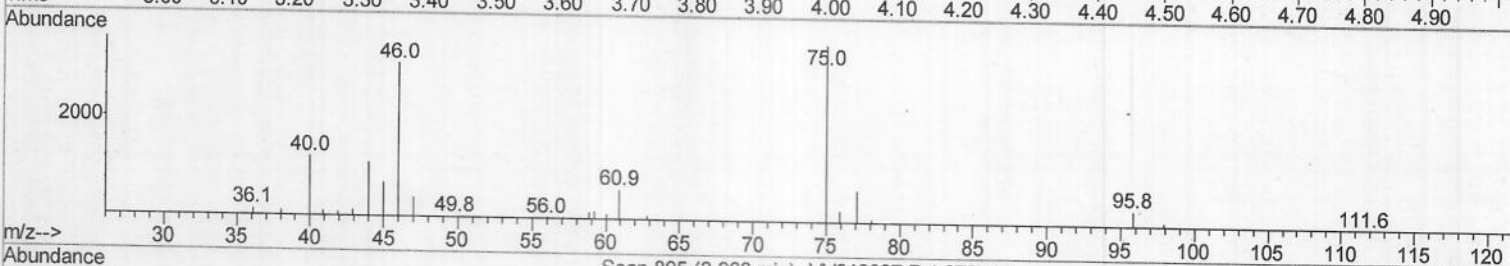
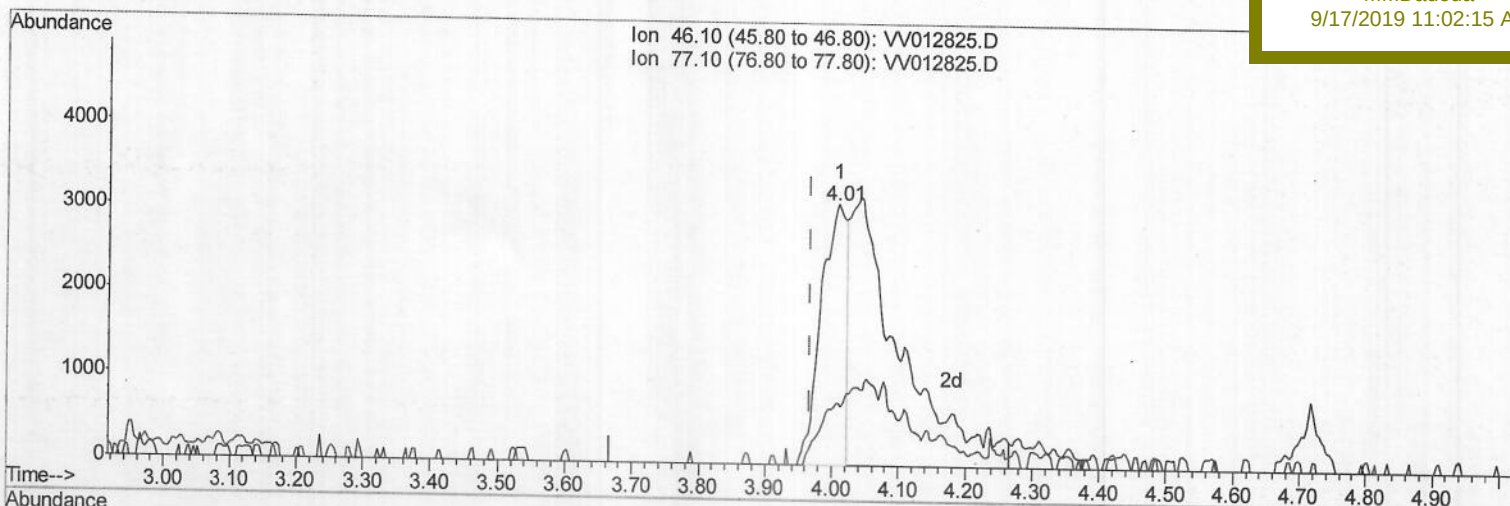
VSTD0.533

Manual Integrations

APPROVED

MMDadoda

9/17/2019 11:02:15 AM



(20) 2-Butanone-d5 (S)

4.010min (+0.042) 1.21ug/L

response 8157

Ion	Exp%	Act%
46.10	100	100
77.10	23.30	37.46#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\

Data File : VV012825.D

Acq On : 16 Sep 2019 09:05

Operator : SY/MD

Sample : VSTD0.533

Misc : 25.0mL/MSVOA V/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 16:38:28 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Sep 16 16:35:54 2019

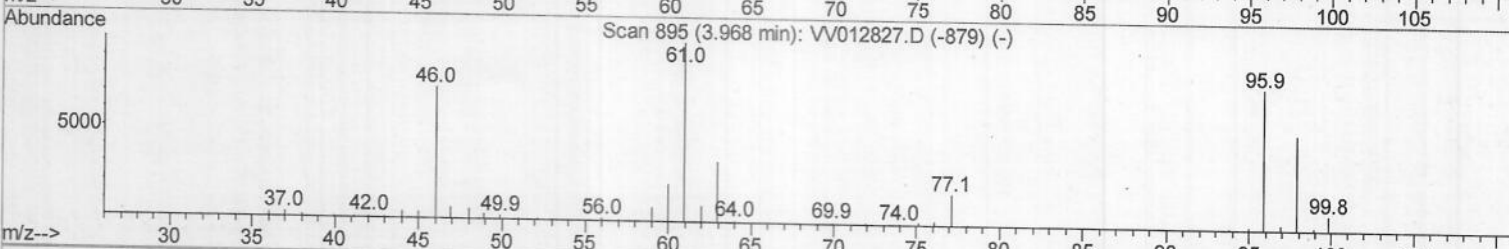
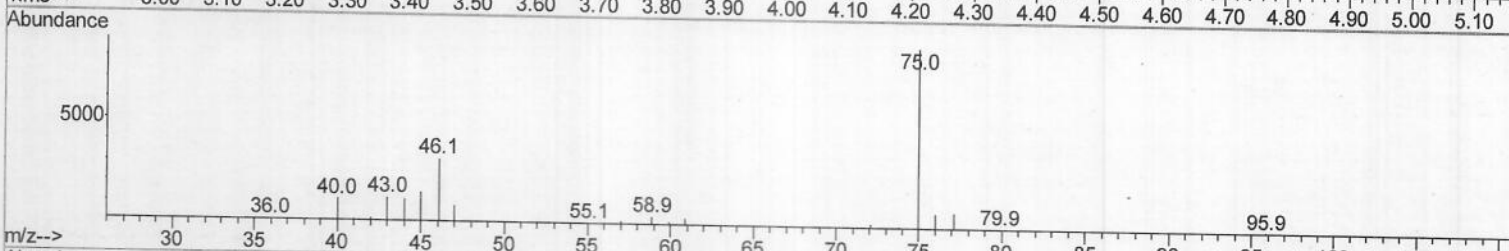
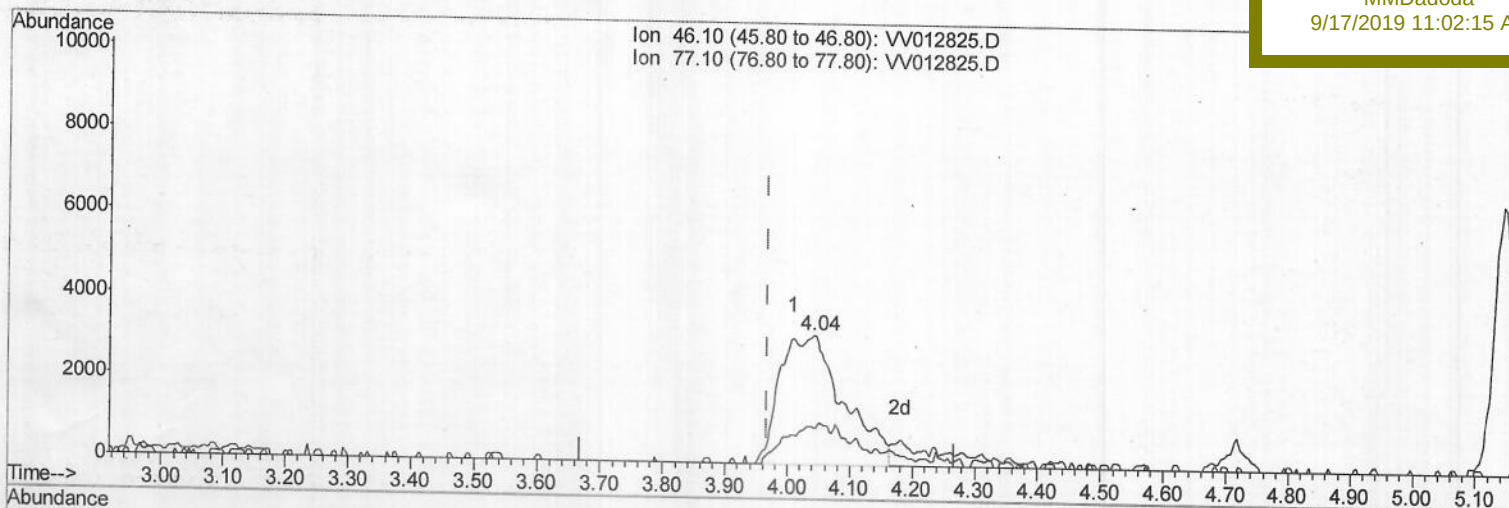
Response via : Initial Calibration

Instrument :

MSVOA_V

Client Sampled :

VSTD0.533

Manual Integrations
APPROVEDMMDadoda
9/17/2019 11:02:15 AM

TIC: VV012825.D

(20) 2-Butanone-d5 (S)

4.042min (+0.074) 3.33ug/L m

response 22379

Ion	Exp%	Act%
46.10	100	100
77.10	23.30	13.66#
0.00	0.00	0.00
0.00	0.00	0.00

> M.D 09/18/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012825.D
 Acq On : 16 Sep 2019 09:05
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 Client Sampled :
 VSTD0.533

Quant Time: Sep 16 16:43:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 16:35:54 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 9/17/2019 11:02:15 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	436386	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	423796	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	182363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16567	0.54	ug/L	0.00
7) Chloroethane-d5	1.58	69	13161	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	27428	0.56	ug/L	0.00
20) 2-Butanone-d5	4.04	46	22379m	3.33	ug/L	0.07
24) Chloroform-d	4.40	84	25467	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	11764	0.46	ug/L	0.00
32) Benzene-d6	5.10	84	45994	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	15394	0.48	ug/L	0.00
41) Toluene-d8	7.36	98	36828	0.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4574	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	8412	2.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	7436	0.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	13705	0.45	ug/L	0.00

> M.D 09/18/19

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	20486	0.555	ug/L	97
3) Chloromethane	1.25	50	20629	0.557	ug/L	95
5) Vinyl chloride	1.32	62	22402	0.583	ug/L	97
6) Bromomethane	1.53	94	11256	0.541	ug/L	100
8) Chloroethane	1.60	64	11866	0.532	ug/L	96
9) Trichlorofluoromethane	1.77	101	26710	0.557	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15954	0.556	ug/L	99
12) 1,1-Dichloroethene	2.14	96	15061	0.555	ug/L	87
13) Acetone	2.28	43	19018m	4.528	ug/L	98
14) Carbon disulfide	2.31	76	31218	0.443	ug/L	99
15) Methyl Acetate	2.47	43	4303	0.380	ug/L	97
16) Methylene chloride	2.53	84	19236	0.575	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	38289	0.589	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	15919	0.527	ug/L	99
19) 1,1-Dichloroethane	3.22	63	32671	0.564	ug/L	98
21) 2-Butanone	4.10	43	29706	4.147	ug/L #	66
22) cis-1,2-Dichloroethene	3.96	96	16832	0.509	ug/L	96
23) Bromochloromethane	4.30	128	7614	0.537	ug/L	99
25) Chloroform	4.42	83	39612	0.619	ug/L	100
27) 1,2-Dichloroethane	5.18	62	18713	0.559	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	26202	0.557	ug/L	99
30) Cyclohexane	4.71	56	19466	0.426	ug/L #	92
31) Carbon tetrachloride	4.87	117	21978	0.534	ug/L	98
33) Benzene	5.14	78	60271	0.488	ug/L	100
34) Trichloroethene	5.95	95	18561	0.540	ug/L	96
35) Methylcyclohexane	6.17	83	19459	0.409	ug/L	98
37) 1,2-Dichloropropane	6.22	63	16767	0.539	ug/L	98
38) Bromodichloromethane	6.55	83	22394	0.554	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	18542	0.457	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	74936	4.309	ug/L	93

> M.D 09/18/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012825.D
 Acq On : 16 Sep 2019 09:05
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 16:43:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 16:35:54 2019
 Response via : Initial Calibration

Instrument :
 MSVOA_V
 Client Sampled :
 VSTD0.533

Manual Integrations
 APPROVED

MMDadoda
 9/17/2019 11:02:15 AM

Internal Standards	R.T.	QI on	Response	Conc	Units	Dev (Min)
42) Toluene	7.43	91	55504	0.432	ug/L	94
44) trans-1,3-Dichloropropene	7.70	75	14984	0.485	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	11763	0.540	ug/L	94
47) Tetrachloroethene	8.02	164	13196	0.495	ug/L	92
48) 2-Hexanone	8.20	43	56543	4.503	ug/L	90
49) Dibromochloromethane	8.29	129	13030	0.504	ug/L	100
50) 1,2-Dibromoethane	8.40	107	9467	0.495	ug/L	90
51) Chlorobenzene	8.92	112	42941	0.504	ug/L	94
52) Ethylbenzene	9.05	91	57445	0.416	ug/L	98
53) m,p-xylene	9.18	106	20582	0.395	ug/L	97
54) o-xylene	9.59	106	19119	0.382	ug/L	97
55) Styrene	9.60	104	29633	0.355	ug/L	97
56) Isopropylbenzene	9.97	105	50176	0.378	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	10098	0.470	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	9736	0.527	ug/L	96
61) Bromoform	9.77	173	7173	0.582	ug/L	94
62) 1,3-Dichlorobenzene	11.22	146	29146	0.509	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	31730	0.548	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	29333	0.541	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1397	0.505	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	23337	0.539	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	15909	0.465	ug/L	91
69) Naphthalene	13.55	128	19390	0.380	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	14680	0.454	ug/L	97

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