Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (QT Reviewed)

Data File : VV015932.D
Acq On : 07 May 2020 10:05
Operator : SY/MD
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 04:46:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Manual Integrations APPROVED

apatel
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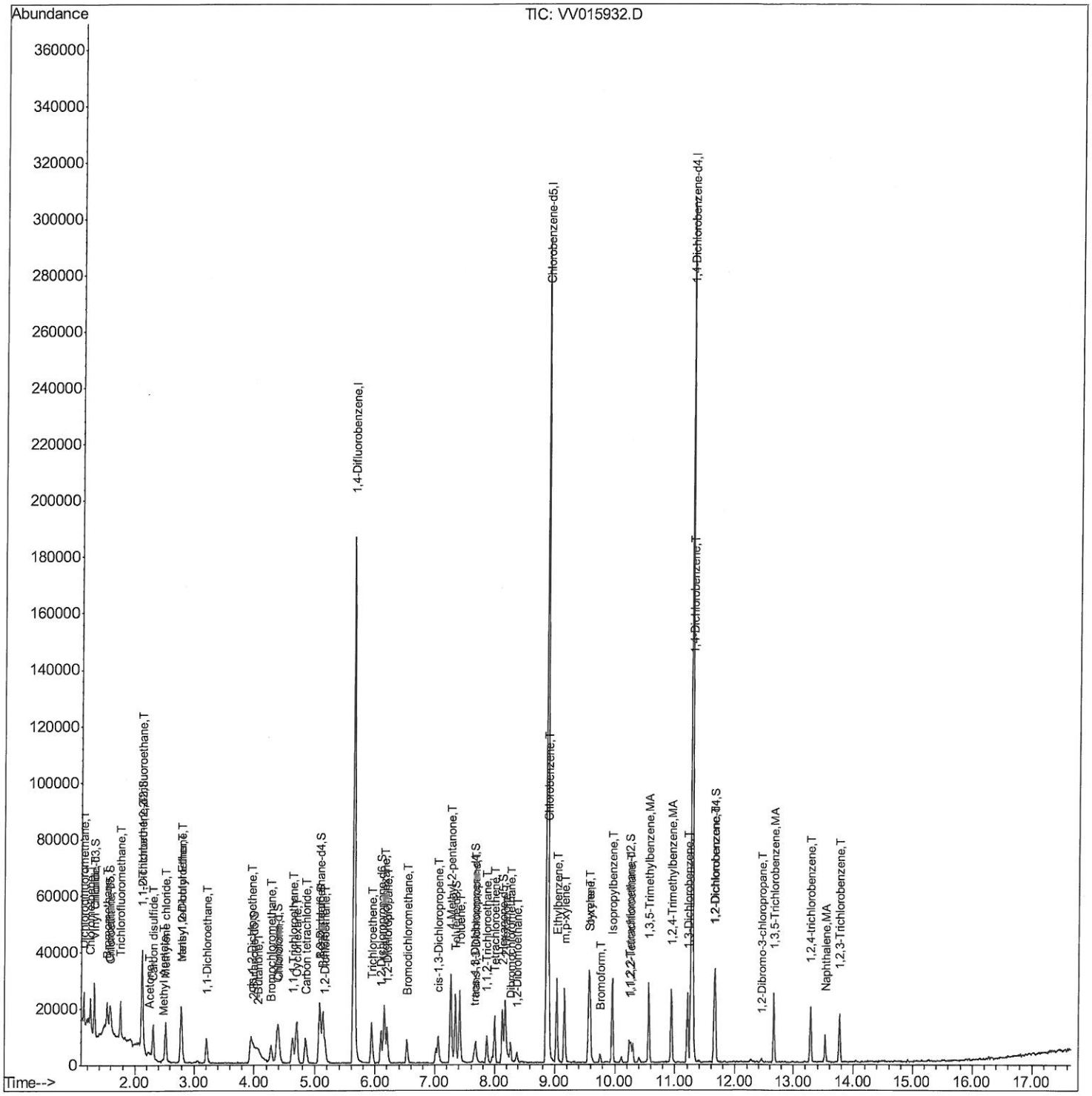

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (Qedit)

Data File : VV015932.D
Acq On : 07 May 2020 10:05
Operator : SY/MD
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 04:39:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
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Instrument :
MSVOA_V
ClientSampleId :
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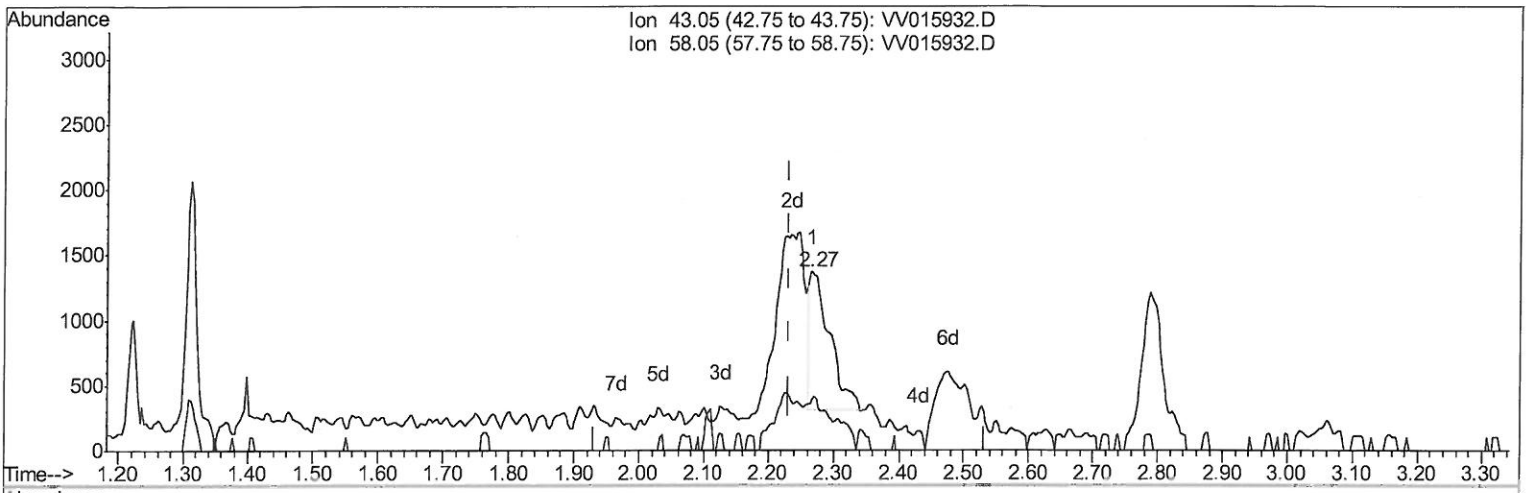
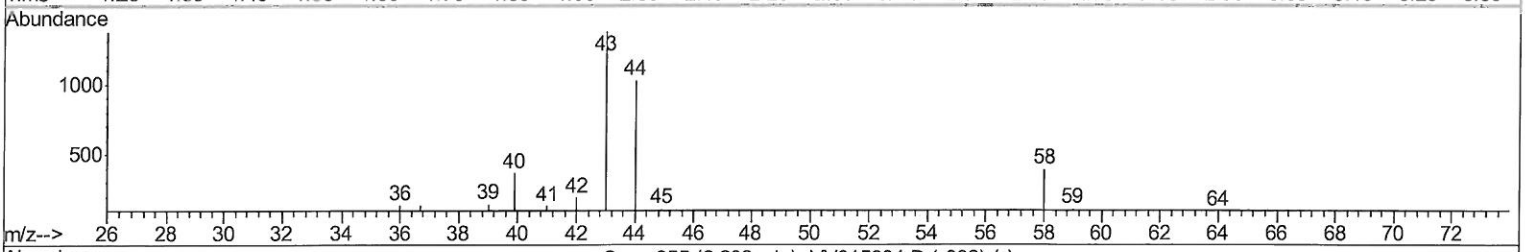
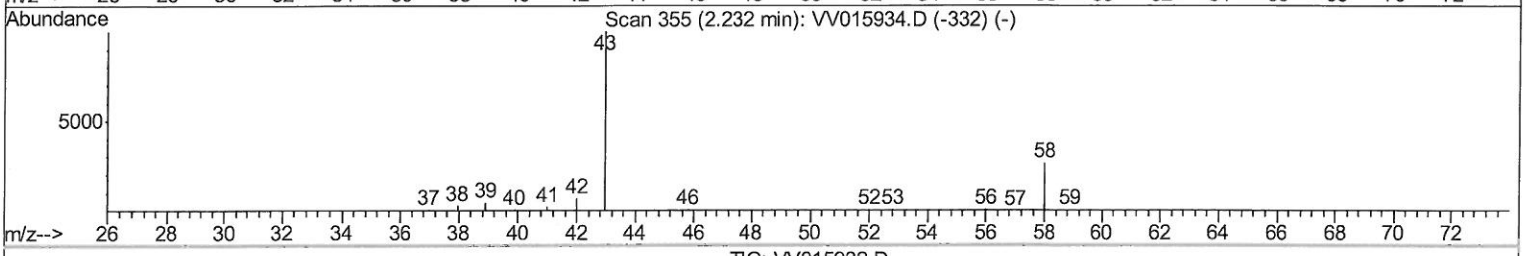
Manual Integrations APPROVED
apatel
5/8/2020 12:57:51 PM







TIC: VV015932.D

(13) Acetone (T)

2.267min (+0.035) 1.53ug/L

response 2275

Ion	Exp%	Act%
43.05	100	100
58.05	15.40	11.65
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (Qedit)

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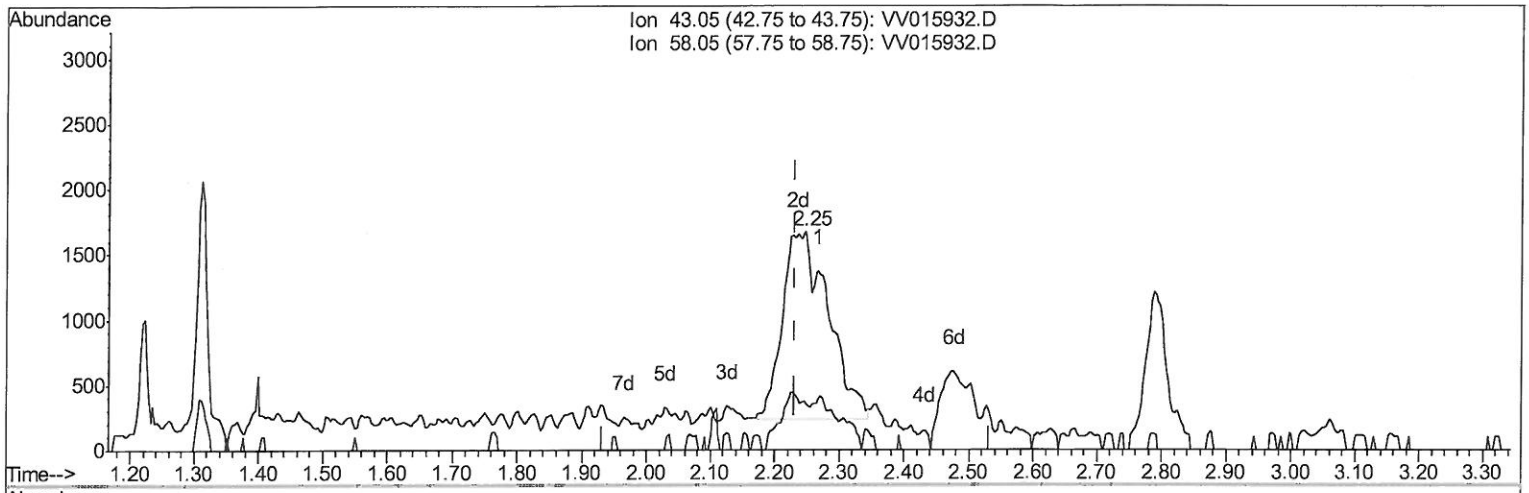
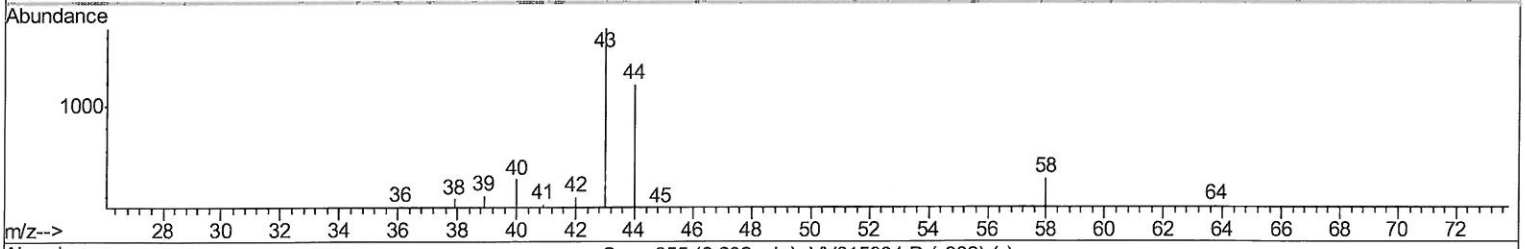
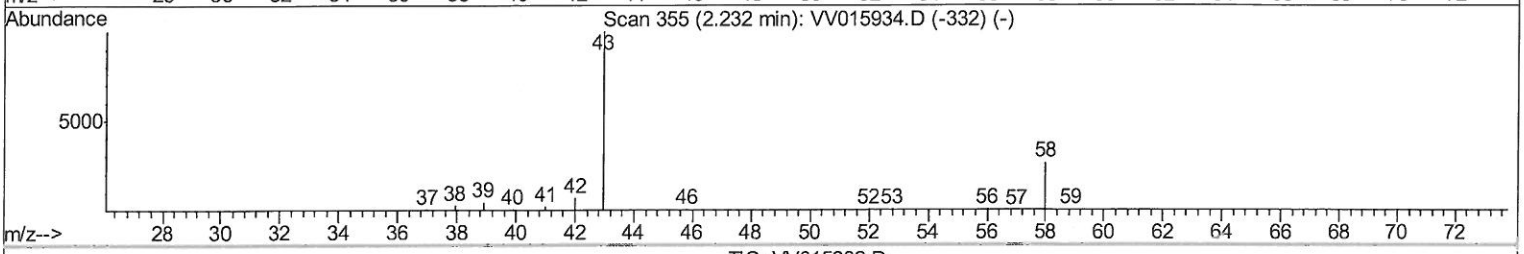
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Manual Integrations APPROVED
apatel
5/8/2020 12:57:51 PM







TIC: VV015932.D

(13) Acetone (T)

2.248min (+0.016) 4.77ug/L m

response 7079

Ion	Exp%	Act%
43.05	100	100
58.05	15.40	3.74
0.00	0.00	0.00
0.00	0.00	0.00

2nd
5/11/20

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (Qedit)

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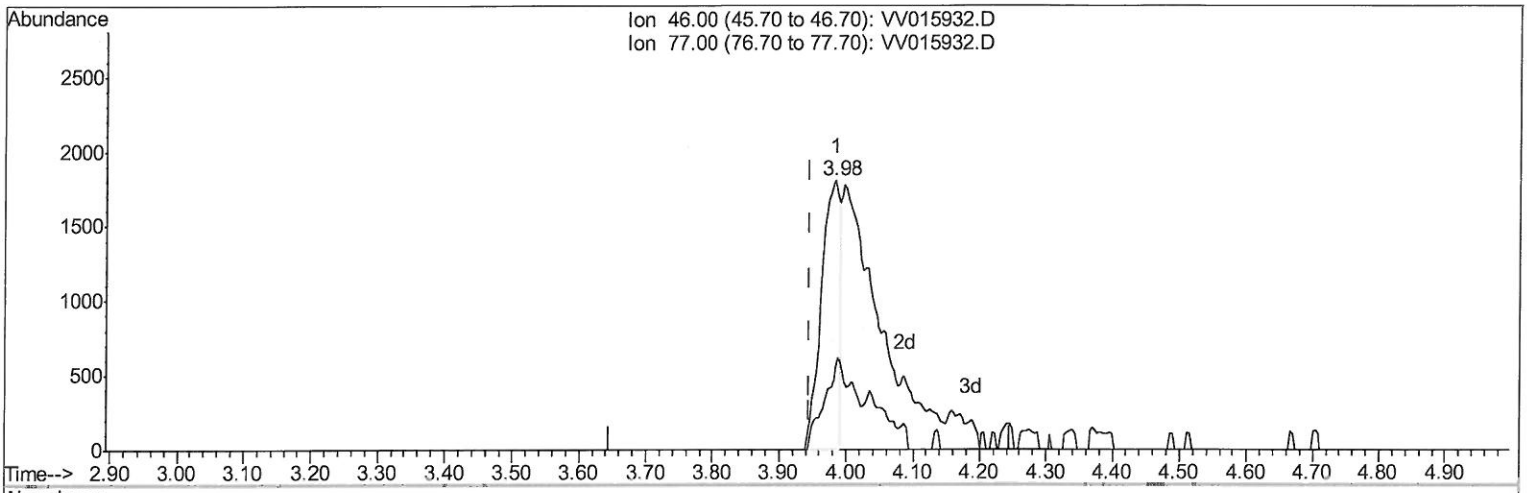
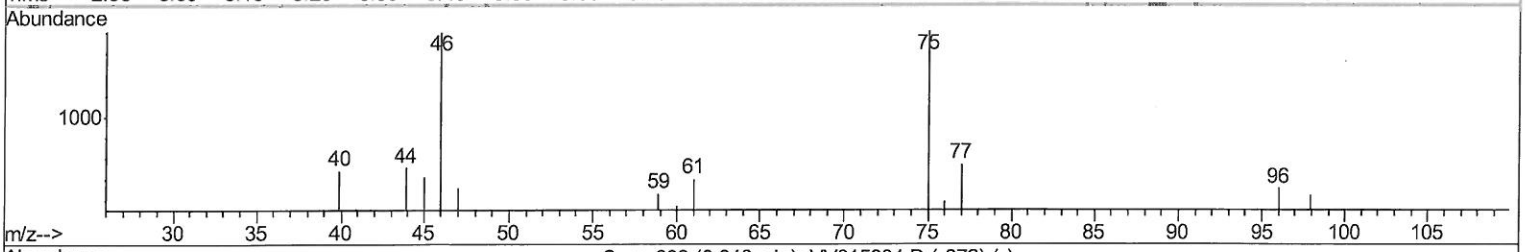
Operator : SY/MD
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

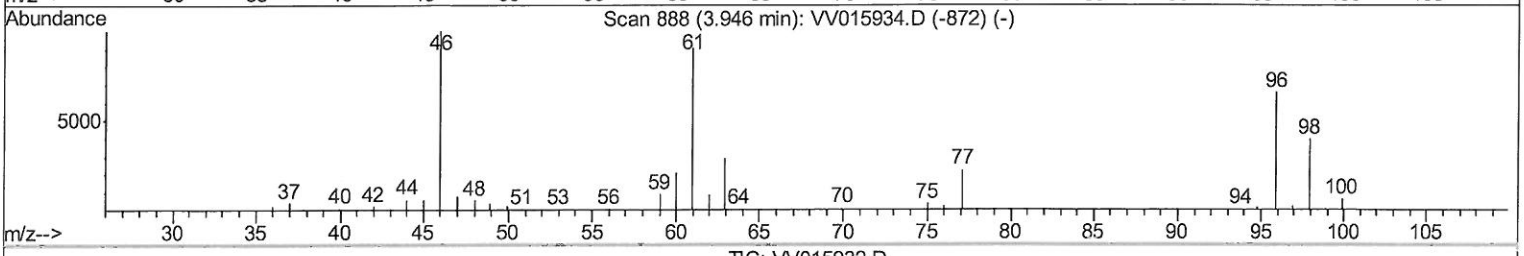
Quant Time: May 08 04:39:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Manual Integrations APPROVED
apatel
5/8/2020 12:57:51 PM







TIC: VV015932.D

(20) 2-Butanone-d5 (S)

3.984min (+0.038) 1.45ug/L

response 3478

Ion	Exp%	Act%
46.00	100	100
77.00	6.70	36.37#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (Qedit)

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Acq On : 07 May 2020 10:05
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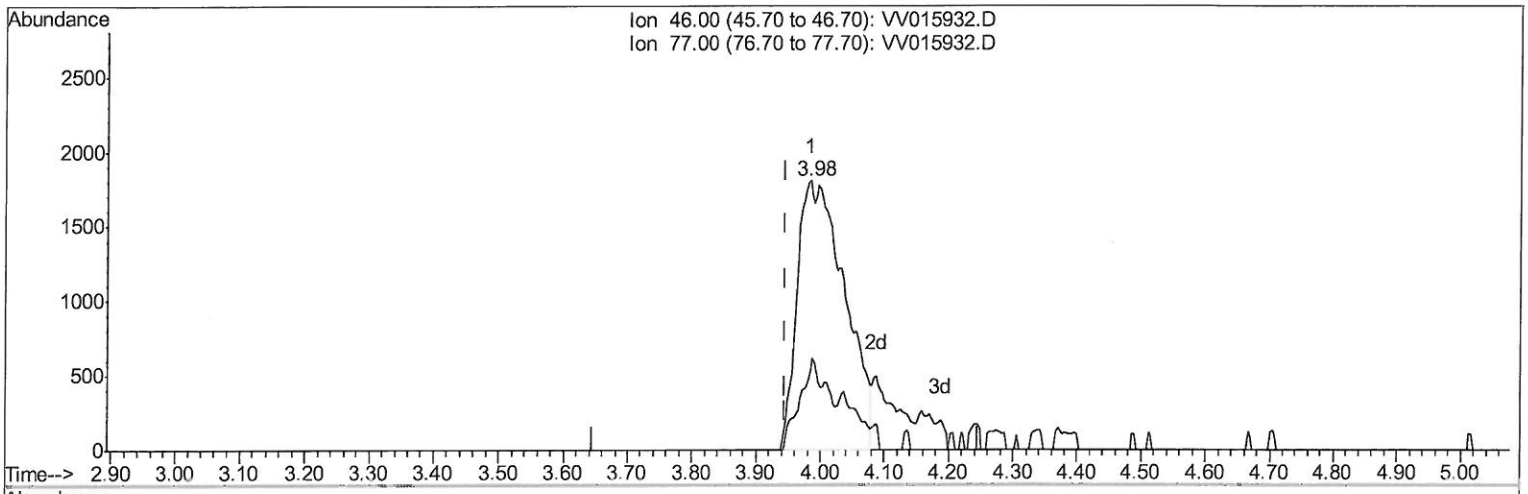
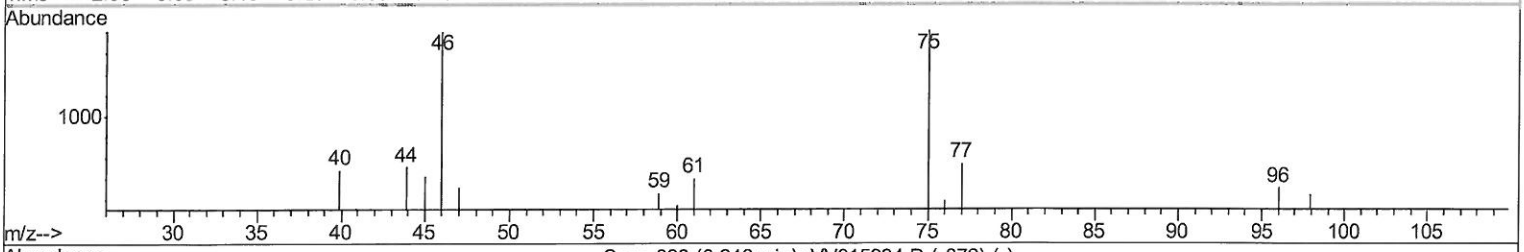
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

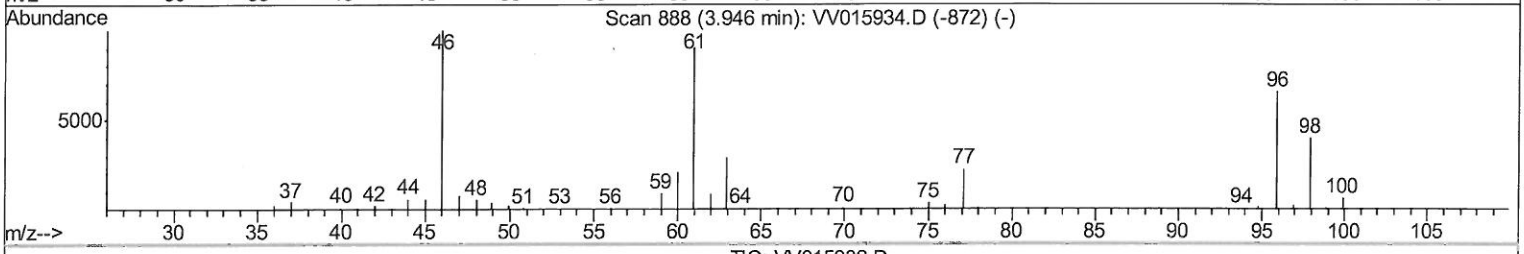
Quant Time: May 08 04:39:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Manual Integrations APPROVED
apatel
5/8/2020 12:57:51 PM







TIC: VV015932.D

(20) 2-Butanone-d5 (S)

3.984min (+0.038) 3.85ug/L m

response 9257

JMB 5/11/20

Ion	Exp%	Act%
46.00	100	100
77.00	6.70	13.67#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (Qedit)

Data File : VV015932.D
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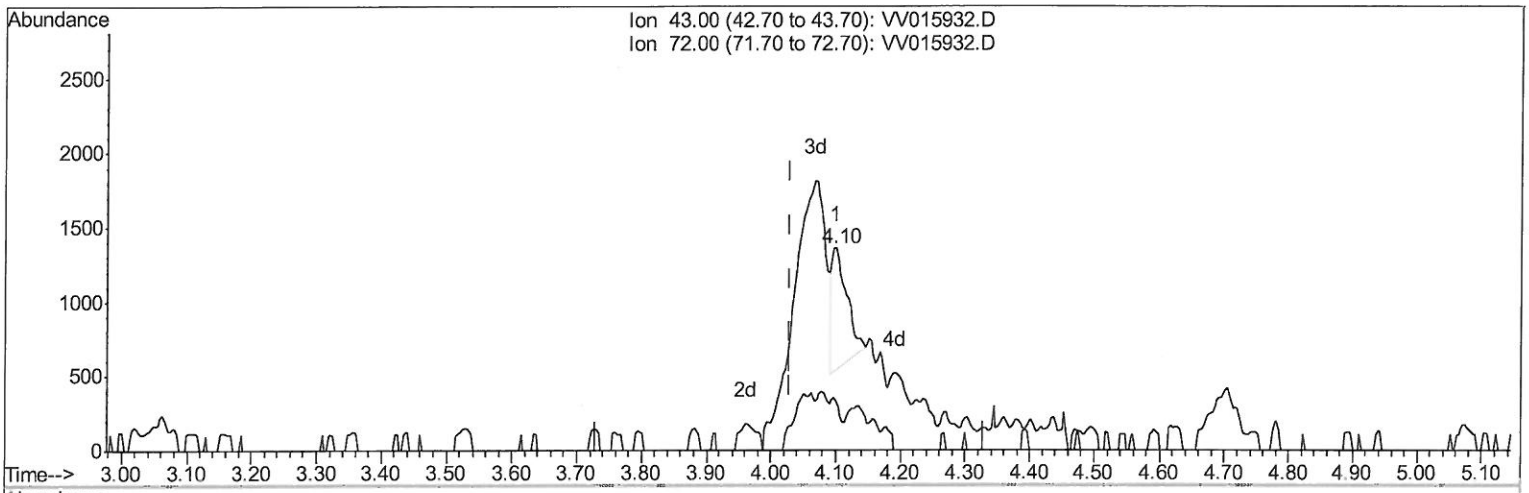
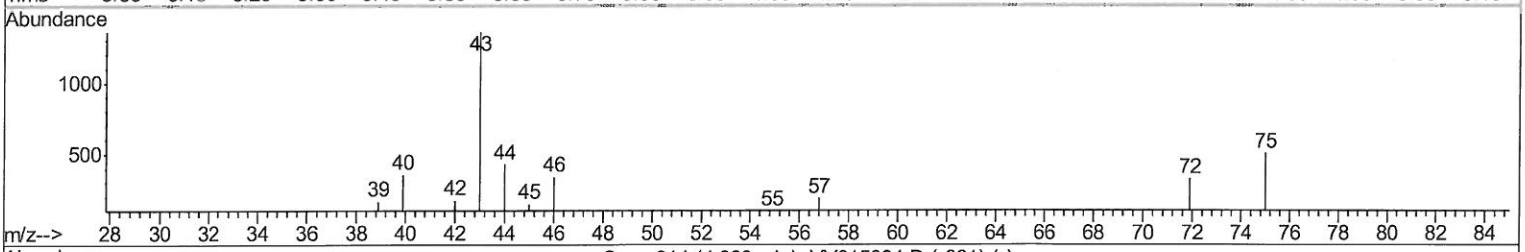
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

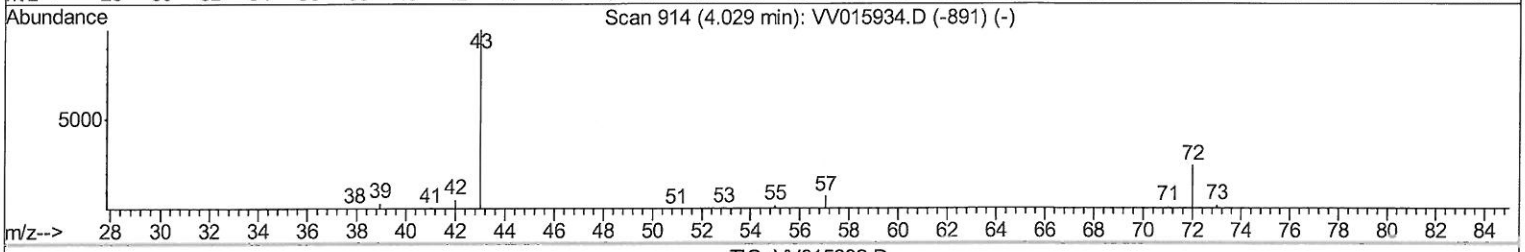
Quant Time: May 08 04:39:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Manual Integrations APPROVED
apatel
5/8/2020 12:57:51 PM







TIC: VV015932.D

(21) 2-Butanone (T)

4.100min (+0.071) 0.53ug/L

response 1298

Ion	Exp%	Act%
43.00	100	100
72.00	21.00	20.18
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (Qedit)

Data File : VV015932.D
Acq On : 07 May 2020 10:05
Operator : SY/MD
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 04:39:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Manual Integrations APPROVED
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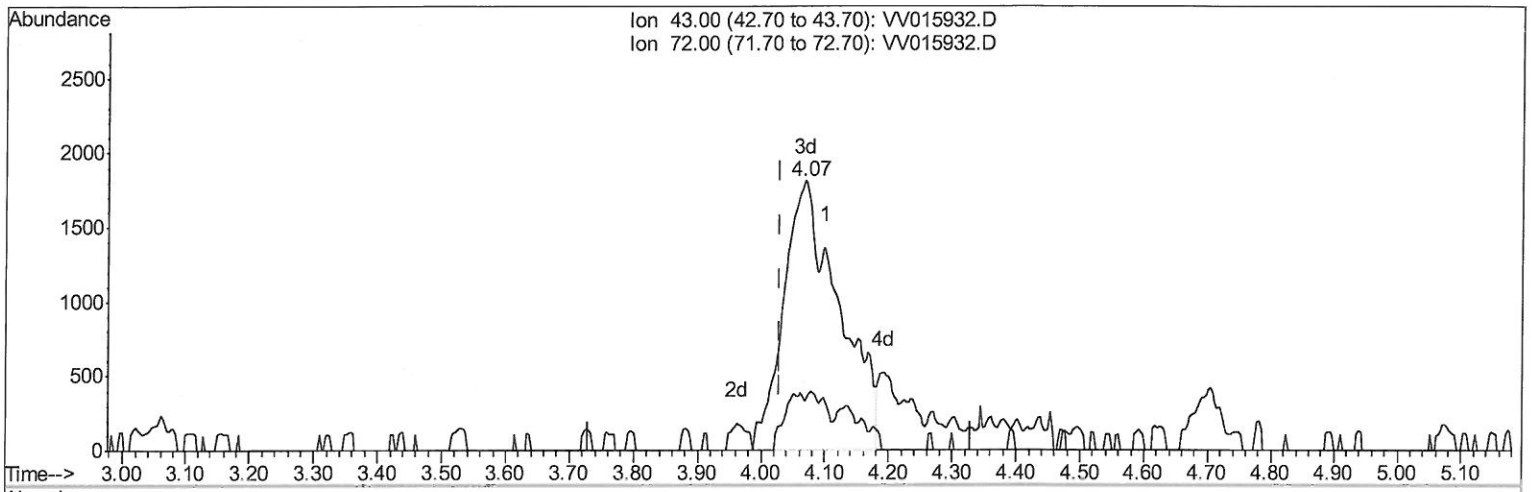
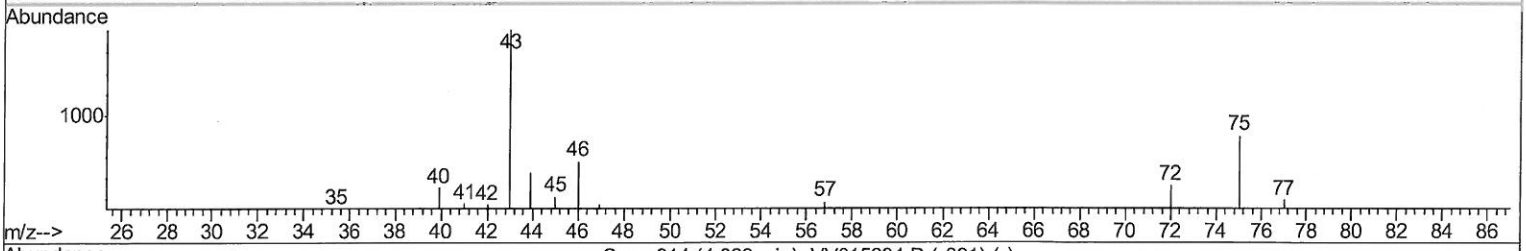
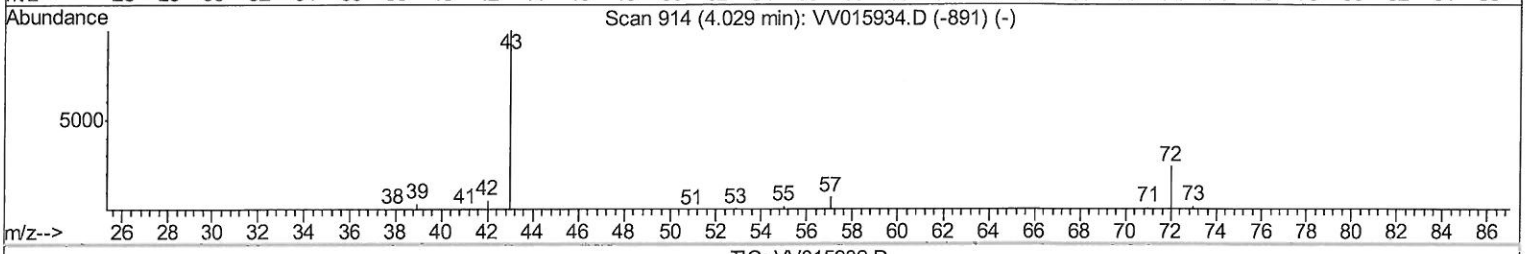
5/8/2020 12:57:51 PM







TIC: VV015932.D

(21) 2-Butanone (T)

4.068min (+0.038) 4.46ug/L m

response 10924

Ion	Exp%	Act%
43.00	100	100
72.00	21.00	2.40#
0.00	0.00	0.00
0.00	0.00	0.00

SMD 5/11/20

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

Quantitation Report (QT Reviewed)

Data File : VV015932.D
Acq On : 07 May 2020 10:05
Operator : SY/MD
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 08 04:46:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Instrument : MSVOA_V
ClientSampleId : VSTD0.531

Manual Integrations APPROVED
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5/8/2020 12:57:51 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	150988	5.00	ug/L		0.00
28) Chlorobenzene-d5	8.87	117	147269	5.00	ug/L		0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71676	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.31	65	4302	0.47	ug/L		0.00
7) Chloroethane-d5	1.58	69	3954	0.48	ug/L		0.00
11) 1,1-Dichloroethene-d2	2.12	63	9074	0.49	ug/L		0.00
20) 2-Butanone-d5	3.98	46	9257m	3.85	ug/L		0.04
24) Chloroform-d	4.38	84	8825	0.49	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.07	65	4949	0.47	ug/L		0.00
32) Benzene-d6	5.08	84	16730	0.46	ug/L		0.00
36) 1,2-Dichloropropane-d6	6.09	67	5008	0.45	ug/L		0.00
41) Toluene-d8	7.34	98	15253	0.45	ug/L		0.00
45) trans-1,3-Dichloropropene-	7.65	79	1686	0.39	ug/L		0.00
48) 2-Hexanone-d5	8.12	63	6795	3.51	ug/L		0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	3454	0.43	ug/L		0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	5932	0.50	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.14	85	5702	0.474	ug/L		97
3) Chloromethane	1.24	50	6096	0.507	ug/L		99
5) Vinyl chloride	1.32	62	5672	0.494	ug/L		100
6) Bromomethane	1.53	94	3112	0.487	ug/L		89
8) Chloroethane	1.59	64	5065	0.718	ug/L	#	70
9) Trichlorofluoromethane	1.76	101	7346	0.473	ug/L		95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4239	0.481	ug/L		99
12) 1,1-Dichloroethene	2.13	96	4350	0.512	ug/L		81
13) Acetone	2.25	43	7079m	4.774	ug/L		
14) Carbon disulfide	2.30	76	13150	0.477	ug/L		98
15) Methyl Acetate	2.48	43	1514	0.438	ug/L	#	89
16) Methylene chloride	2.52	84	5743	0.486	ug/L		99
17) Methyl tert-butyl Ether	2.79	73	10151	0.456	ug/L	#	92
18) trans-1,2-Dichloroethene	2.78	96	4309	0.455	ug/L		95
19) 1,1-Dichloroethane	3.21	63	8573	0.474	ug/L		90
21) 2-Butanone	4.07	43	10924m	4.462	ug/L		
22) cis-1,2-Dichloroethene	3.95	96	4655	0.471	ug/L		98
23) Bromochloromethane	4.28	128	1850	0.445	ug/L		92
25) Chloroform	4.40	83	9660	0.489	ug/L		98
27) 1,2-Dichloroethane	5.16	62	5857	0.484	ug/L		96
29) 1,1,1-Trichloroethane	4.63	97	7933	0.475	ug/L		94
30) Cyclohexane	4.70	56	7544	0.443	ug/L		93
31) Carbon tetrachloride	4.85	117	6972	0.486	ug/L		91
33) Benzene	5.13	78	17371	0.454	ug/L		100
34) Trichloroethene	5.94	95	5319	0.508	ug/L		93
35) Methylcyclohexane	6.15	83	6975	0.410	ug/L		94
37) 1,2-Dichloropropane	6.20	63	4433	0.466	ug/L	#	94
38) Bromodichloromethane	6.53	83	5522	0.457	ug/L		99
39) cis-1,3-Dichloropropene	7.05	75	5582	0.413	ug/L		100
40) 4-Methyl-2-pentanone	7.26	43	24630	4.056	ug/L		98

? MD 5/11/20

MD 5/11/20

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050720\

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VSTD0.531

Manual Integrations APPROVED
apatel
5/8/2020 12:57:51 PM

Quant Time: May 08 04:46:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Toluene	7.41	91	17962	0.440	ug/L		99
43) 1,3,5-Trimethylbenzene	10.56	105	14205	0.376	ug/L	#	100
44) 1,2,4-Trimethylbenzene	10.94	105	13655	0.357	ug/L	#	100
46) trans-1,3-Dichloropropene	7.68	75	4597	0.402	ug/L		100
47) 1,1,2-Trichloroethane	7.87	97	3118	0.487	ug/L		95
49) Tetrachloroethene	7.99	164	3329	0.429	ug/L		98
50) 2-Hexanone	8.17	43	16333	3.825	ug/L		94
51) Dibromochloromethane	8.27	129	2971	0.422	ug/L		99
52) 1,2-Dibromoethane	8.38	107	2526	0.413	ug/L	#	91
53) Chlorobenzene	8.90	112	11988	0.460	ug/L		93
54) Ethylbenzene	9.04	91	19393	0.419	ug/L		95
55) m,p-xylene	9.16	106	6994	0.402	ug/L		91
56) o-xylene	9.57	106	6801	0.414	ug/L		97
57) Styrene	9.59	104	10373	0.375	ug/L		97
58) Isopropylbenzene	9.95	105	18277	0.402	ug/L		98
60) 1,1,2,2-Tetrachloroethane	10.26	83	2917	0.399	ug/L		96
62) Bromoform	9.75	173	1475	0.477	ug/L	#	95
63) 1,3-Dichlorobenzene	11.21	146	8900	0.441	ug/L		90
64) 1,4-Dichlorobenzene	11.30	146	9498	0.477	ug/L		97
66) 1,2-Dichlorobenzene	11.67	146	8078	0.444	ug/L		94
67) 1,2-Dibromo-3-chloropropan	12.46	75	524	0.417	ug/L	#	83
68) 1,3,5-Trichlorobenzene	12.67	180	6569	0.441	ug/L		98
69) 1,2,4-trichlorobenzene	13.29	180	5331	0.425	ug/L		97
70) Naphthalene	13.53	128	7236	0.347	ug/L		97
71) 1,2,3-Trichlorobenzene	13.77	180	4725	0.421	ug/L		93

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