

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060619\
 Data File : VV011319.D
 Acq On : 08 Jun 2019 07:12
 Operator : SY/MD
 Sample : K3229-01
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9P64

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.225	34	42	62	rBV	339728	964544	100.00%	14.398%
2	1.312	66	69	98	rVB	127860	240633	24.95%	3.592%
3	1.576	146	151	164	rVB	66643	79135	8.20%	1.181%
4	2.119	311	320	333	rVB	137741	189739	19.67%	2.832%
5	2.203	342	346	359	rVB3	8805	14702	1.52%	0.219%
6	2.309	372	379	398	rVB2	30183	53764	5.57%	0.803%
7	2.643	476	483	496	rVB	18665	36900	3.83%	0.551%
8	2.766	502	521	522	rBV10	24591	58522	6.07%	0.874%
9	3.756	821	829	845	rVB10	6220	14078	1.46%	0.210%
10	3.975	882	897	933	rBV	50126	235300	24.39%	3.512%
11	4.396	1009	1028	1049	rBV	97236	238322	24.71%	3.557%
12	5.090	1224	1244	1269	rBV2	236172	559021	57.96%	8.345%
13	5.659	1406	1421	1446	rBV	200729	403523	41.84%	6.023%
14	6.116	1544	1563	1584	rBV	130948	266830	27.66%	3.983%
15	6.634	1712	1724	1743	rVB2	36186	80756	8.37%	1.205%
16	7.029	1835	1847	1863	rBV	52820	97143	10.07%	1.450%
17	7.357	1928	1949	1966	rBV	257209	462473	47.95%	6.903%
18	7.663	2032	2044	2058	rBV2	29347	51821	5.37%	0.774%
19	8.138	2179	2192	2212	rBV	299742	576218	59.74%	8.601%
20	8.894	2414	2427	2440	rBV	291351	481826	49.95%	7.192%
21	9.142	2497	2504	2512	rVB	8942	12454	1.29%	0.186%
22	9.273	2532	2545	2556	rBV10	9862	22924	2.38%	0.342%
23	9.428	2585	2593	2604	rBV2	20109	34945	3.62%	0.522%
24	10.187	2812	2829	2837	rBV4	11703	22923	2.38%	0.342%
25	10.260	2841	2852	2866	rVB2	91322	147039	15.24%	2.195%
26	10.482	2911	2921	2931	rBV8	5214	10457	1.08%	0.156%
27	11.293	3162	3173	3192	rVB	267937	420983	43.65%	6.284%
28	11.572	3250	3260	3269	rBV3	16579	29021	3.01%	0.433%
29	11.669	3278	3290	3310	rVB	231511	382001	39.60%	5.702%
30	12.392	3506	3515	3523	rBV	5932	10405	1.08%	0.155%
31	13.678	3905	3915	3925	rBV2	35149	55921	5.80%	0.835%
32	15.164	4365	4377	4378	rBV7	12515	13299	1.38%	0.199%
33	16.235	4700	4710	4728	rBV5	30920	59793	6.20%	0.893%
34	16.360	4739	4749	4763	rBV	247337	371756	38.54%	5.549%

LSC Area Percent Report

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Instrument :
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ClientSampleId :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Title : TRACE VOA SOM01.0

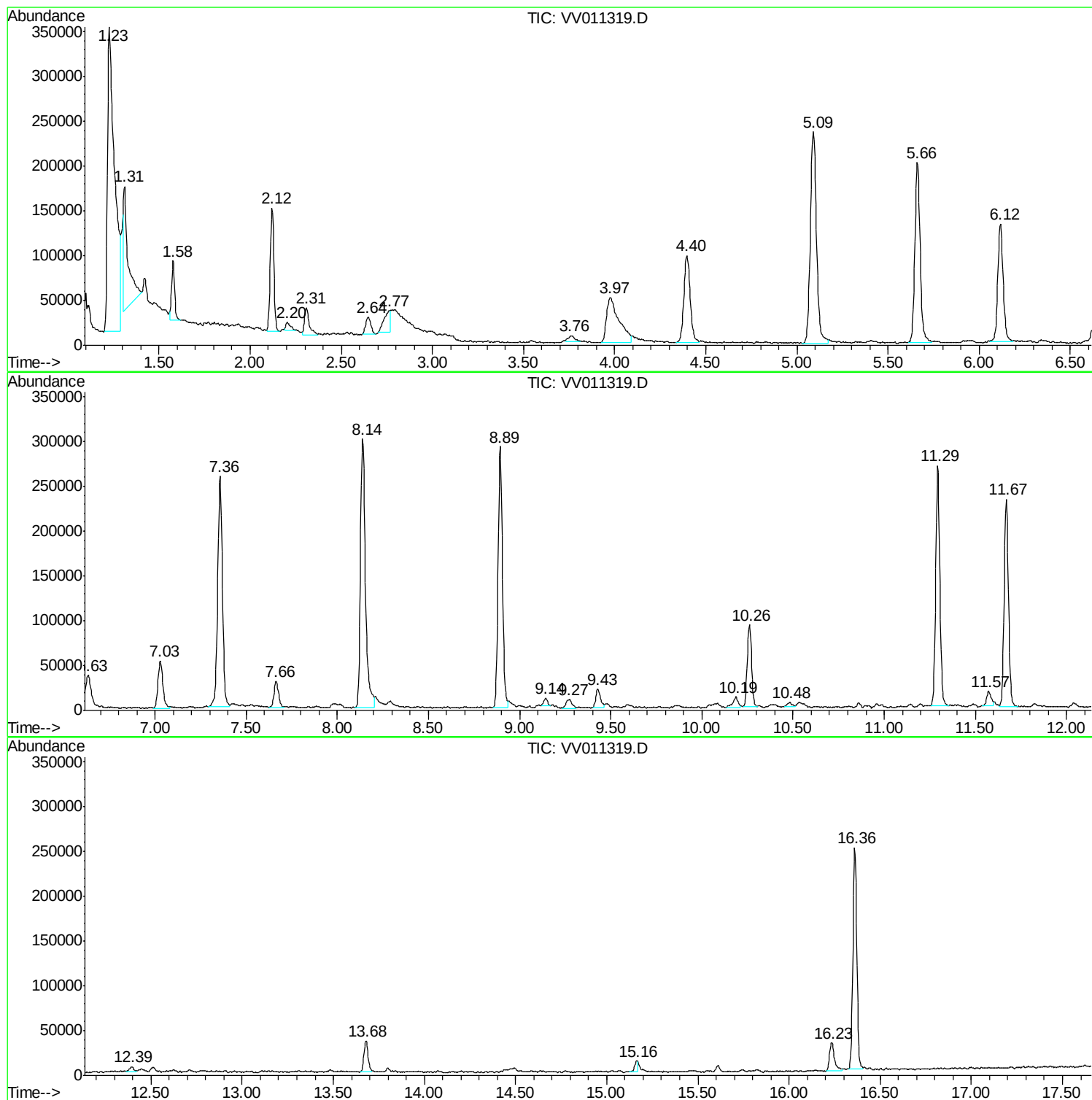
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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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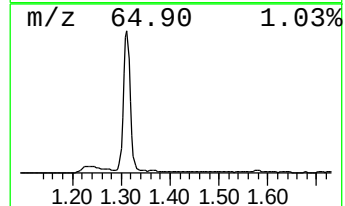
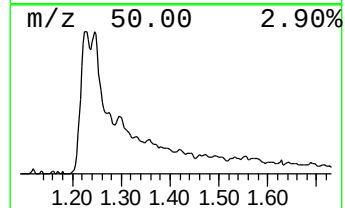
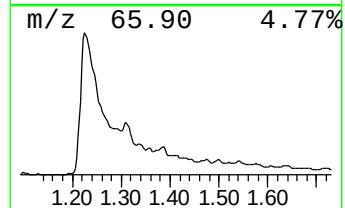
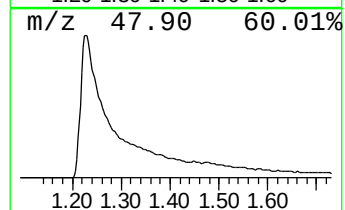
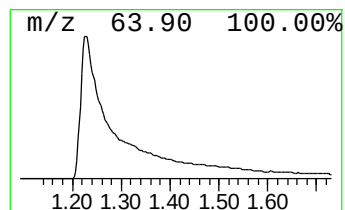
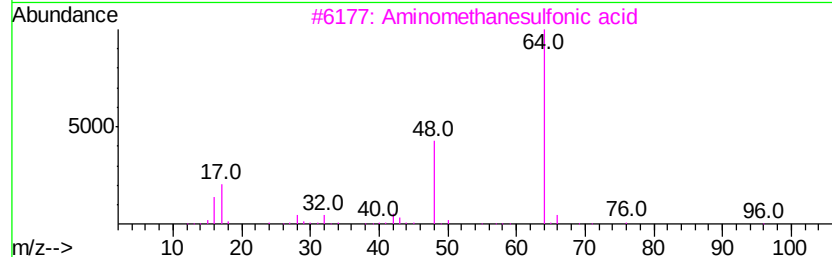
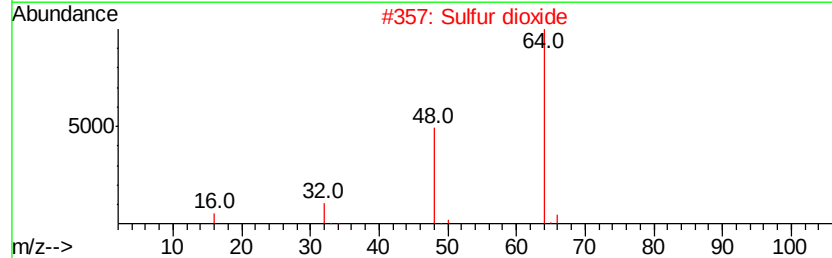
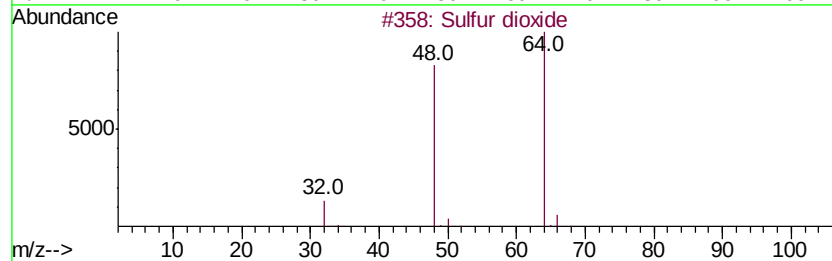
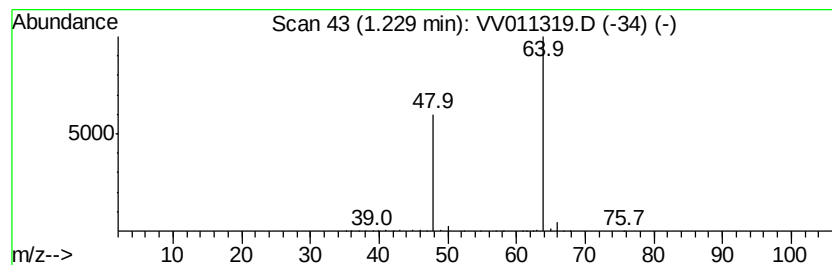
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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.23	11.95 ug/L	964544	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfur dioxide	64	O2S	007446-09-5	83
2		Sulfur dioxide	64	O2S	007446-09-5	83
3		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5		L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9



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ClientSampled :
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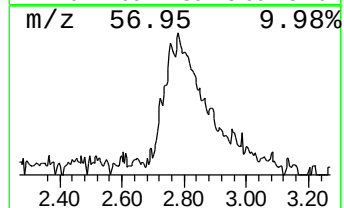
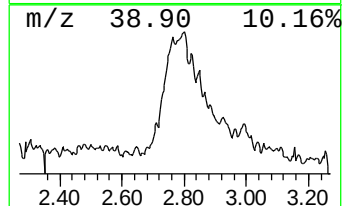
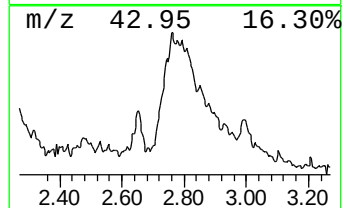
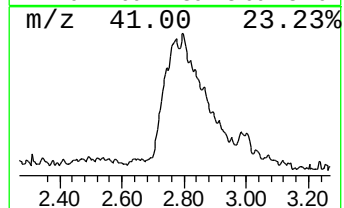
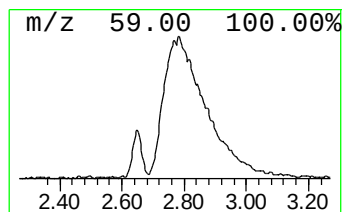
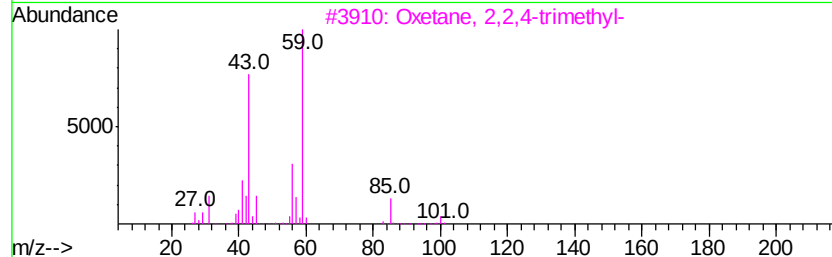
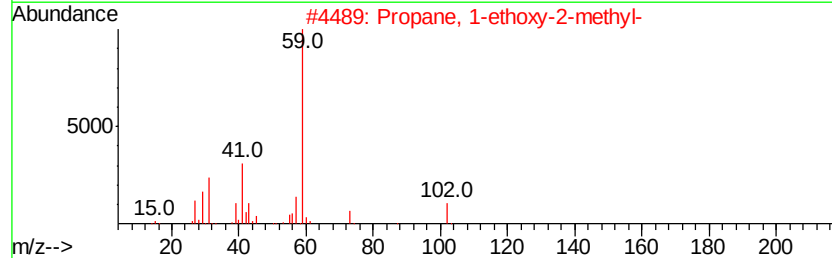
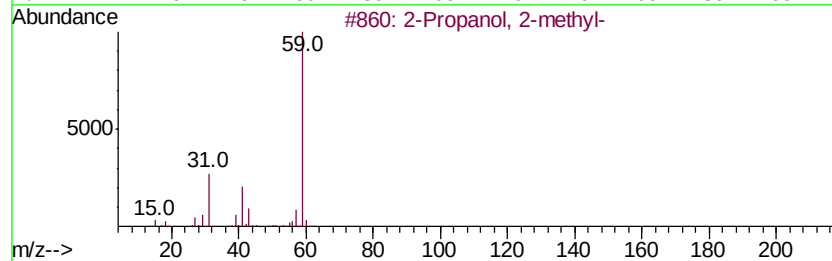
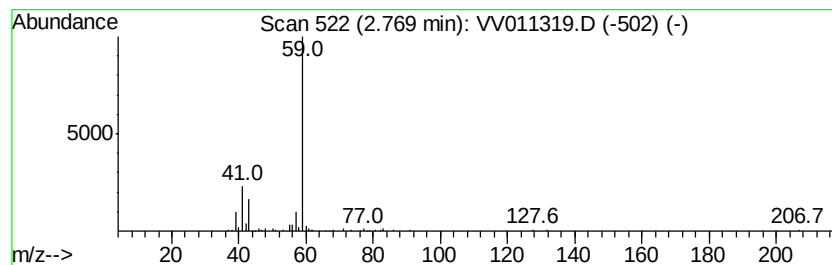
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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Propanol, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	0.73 ug/L	58522	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
2		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	64
3		Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	56
4		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	43
5		3-Pentanol	88	C5H12O	000584-02-1	40



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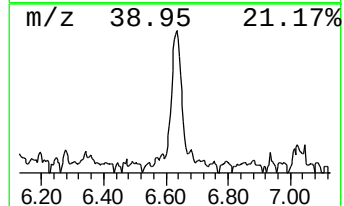
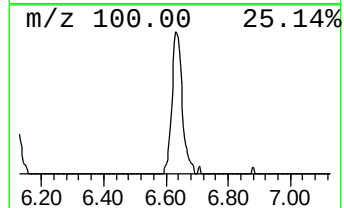
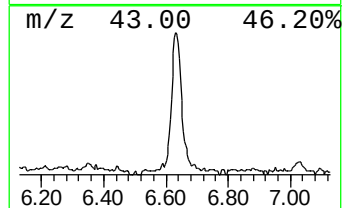
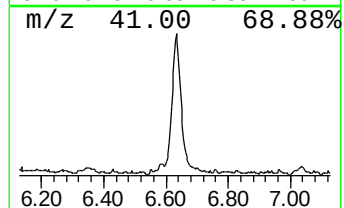
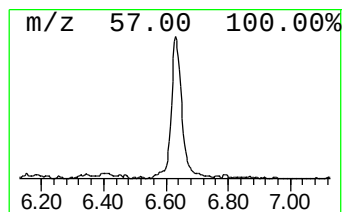
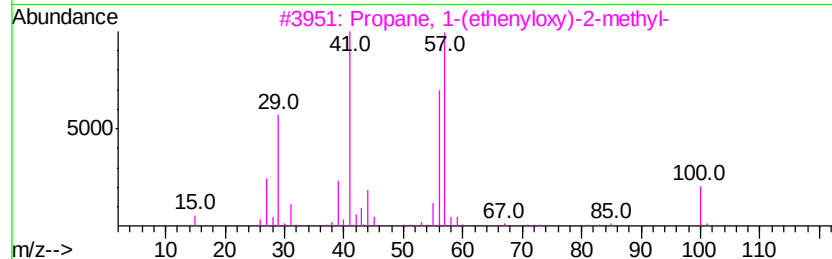
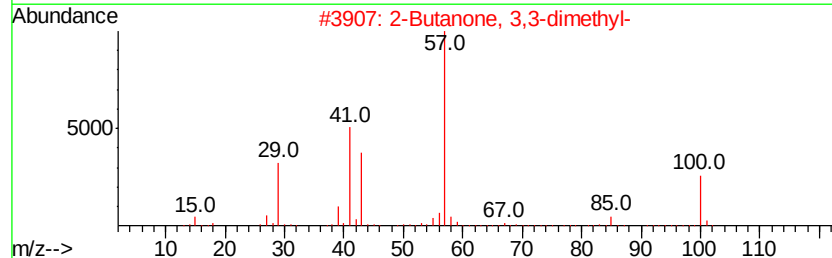
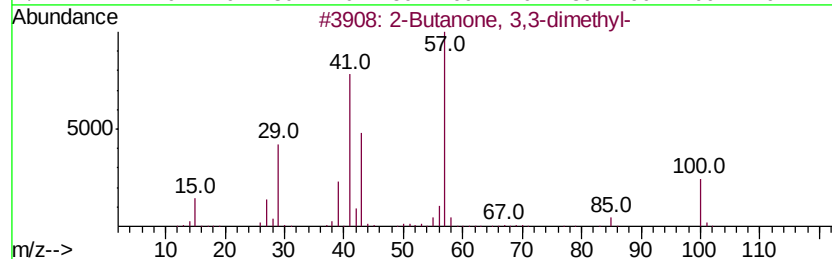
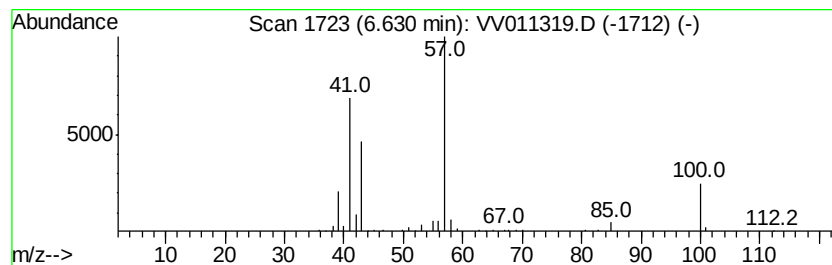
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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Butanone, 3,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	1.00 ug/L	80756	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	80
2		2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	50
3		Propane, 1-(ethenyl)oxy-2-methyl-	100	C6H12O	000109-53-5	50
4		3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	47
5		Propane, 2-bromo-2-methyl-	136	C4H9Br	000507-19-7	38



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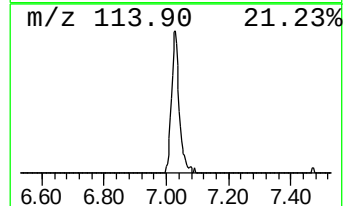
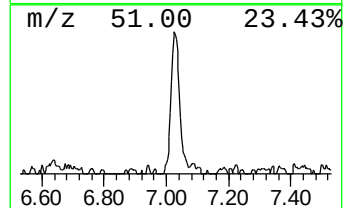
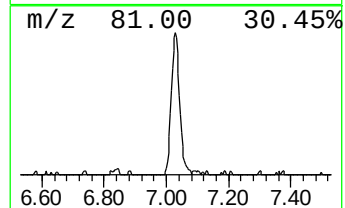
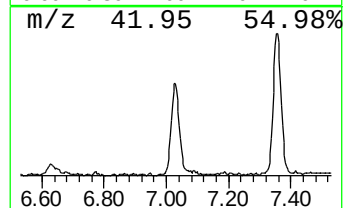
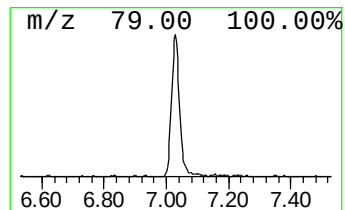
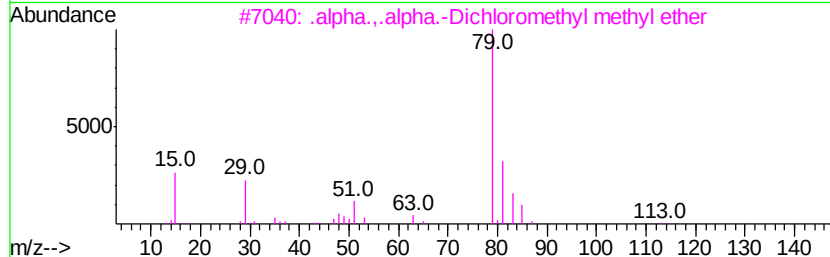
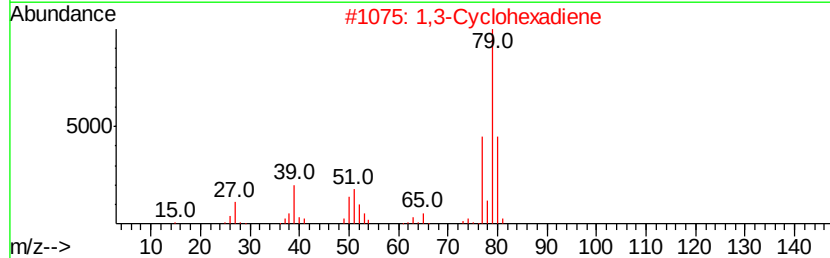
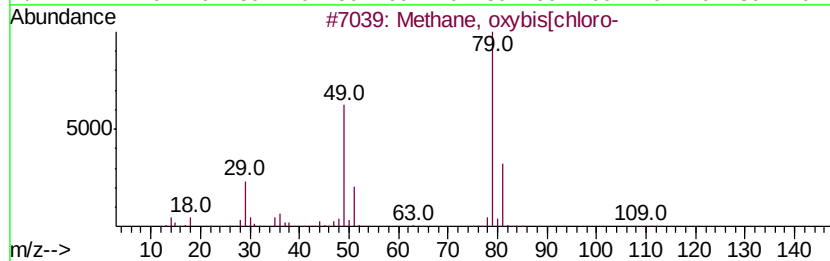
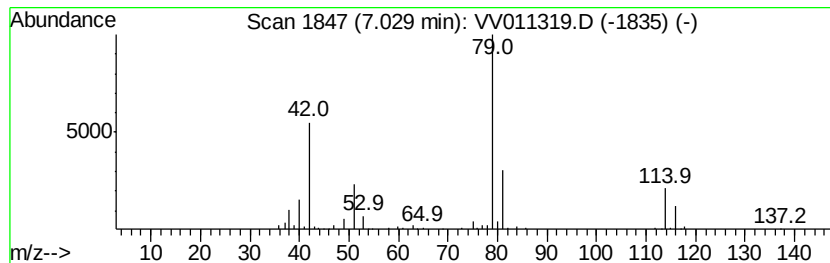
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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	1.20 ug/L	97143	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37
2		1,3-Cyclohexadiene	80	C6H8	000592-57-4	28
3		.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	23
4		2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17
5		2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17



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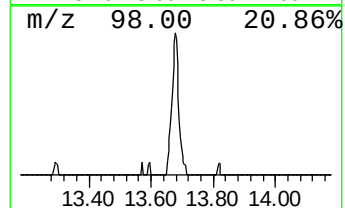
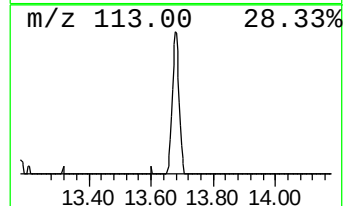
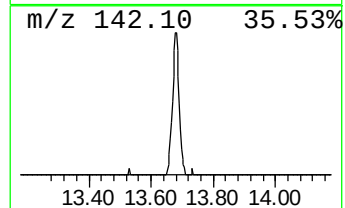
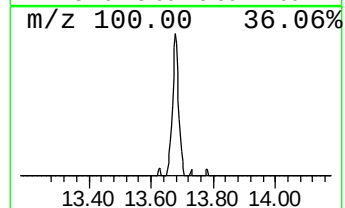
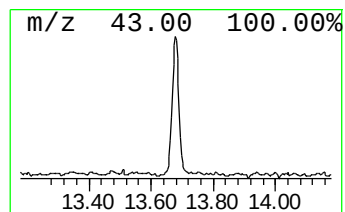
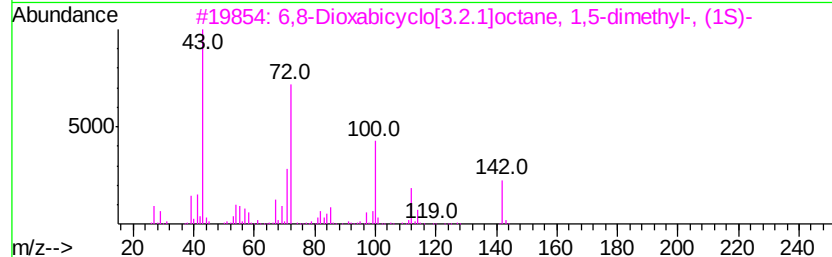
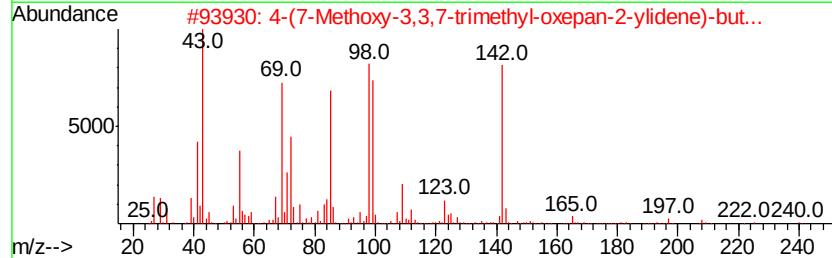
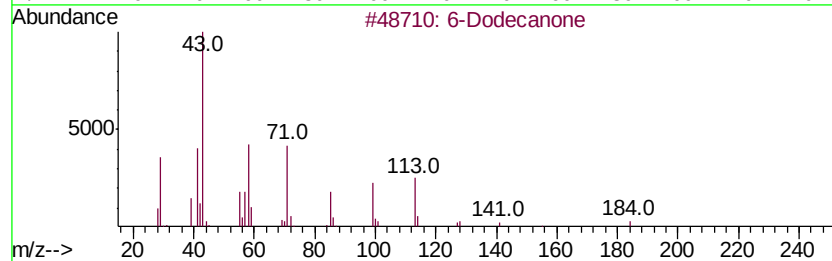
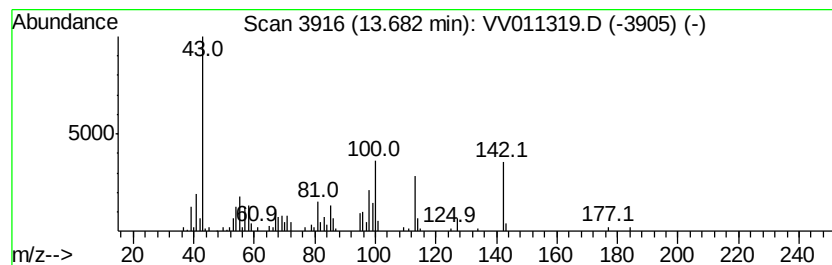
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	0.66 ug/L	55921	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Dodecanone	184	C12H24O	006064-27-3	27
2		4-(7-Methoxy-3,3,7-trimethyl-oxe...	240	C14H24O3	107675-07-0	25
3		6,8-Dioxabicyclo[3.2.1]octane, 1...	142	C8H14O2	028401-39-0	16
4		6-Dodecanone	184	C12H24O	006064-27-3	16
5		1,2-Dioxolan-3-one, 5-ethyl-5-me...	142	C7H10O3	136066-32-5	14



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Sample : K3229-01
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
F9P64

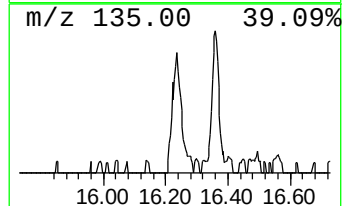
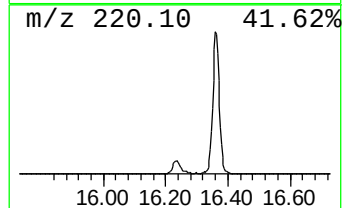
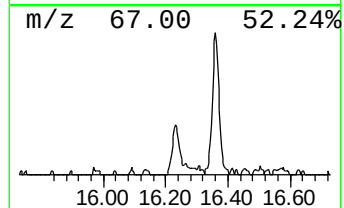
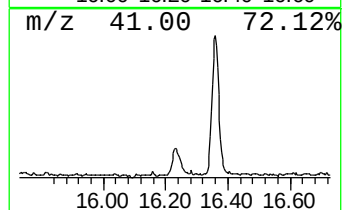
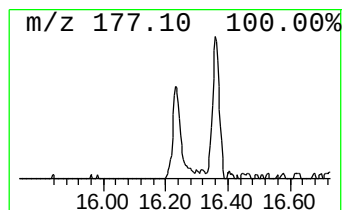
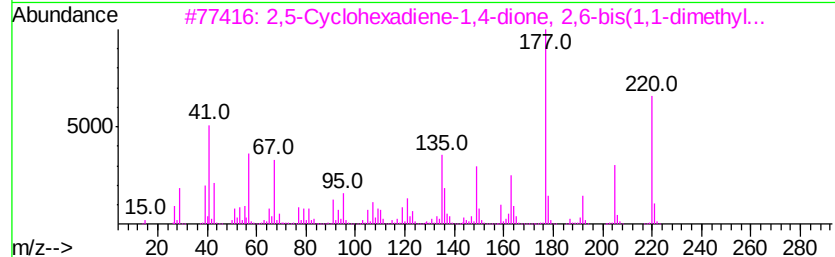
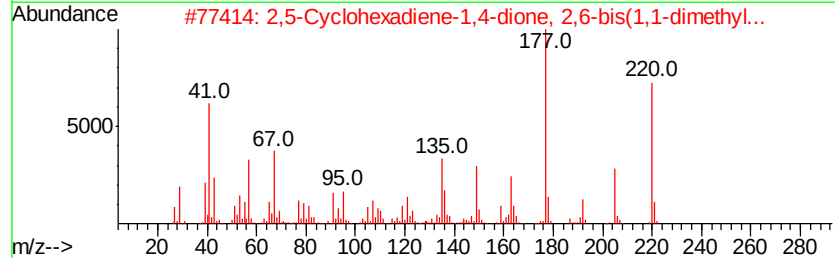
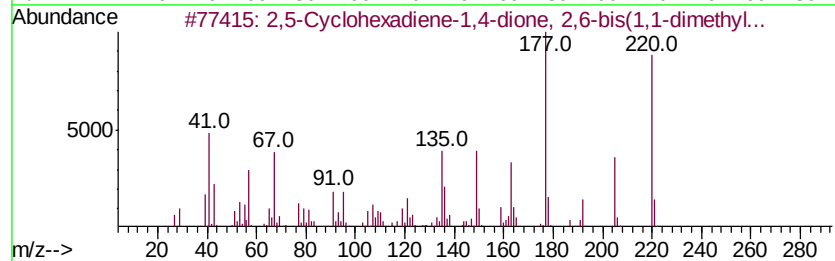
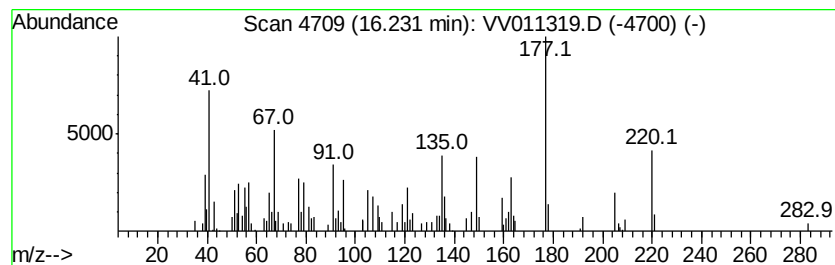
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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2,5-Cyclohexadiene-1,4-dione... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	0.71 ug/L	59793	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	91
2			2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	91
3			2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	83
4			N-[4-(Ethyl-methyl-amino)-phenyl]...	192	C11H16N2O	099981-45-0	49
5			Benzofuran-2-one, 4-amino-2,3-di...	177	C10H11NO2	1000129-51-7	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV060619\
Data File : VV011319.D
Acq On : 08 Jun 2019 07:12
Operator : SY/MD
Sample : K3229-01
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

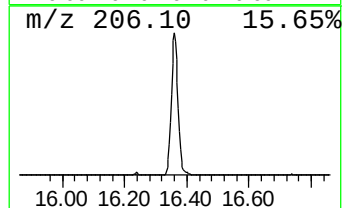
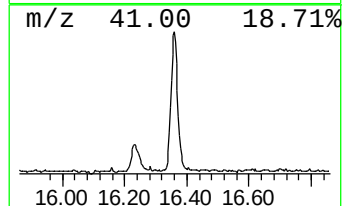
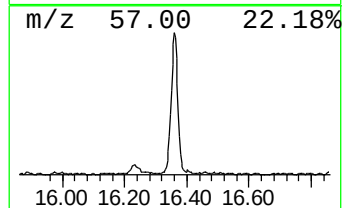
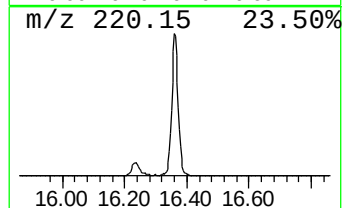
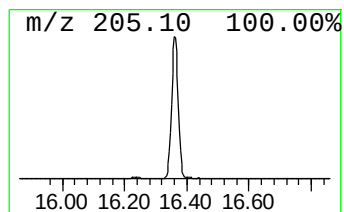
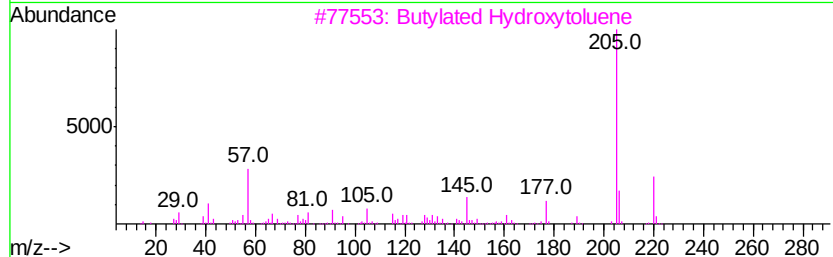
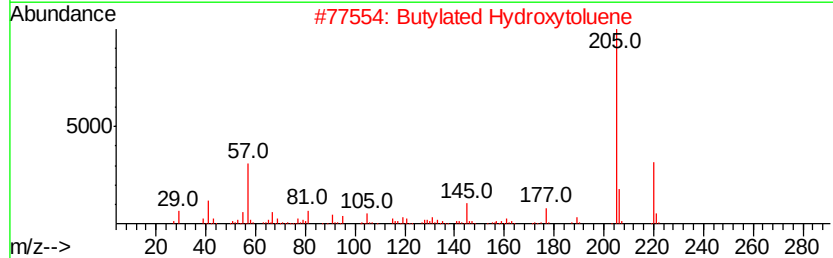
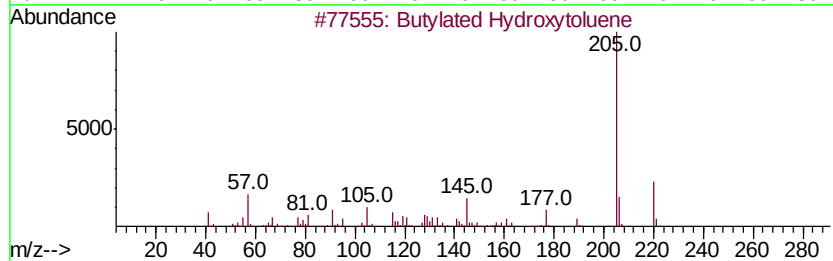
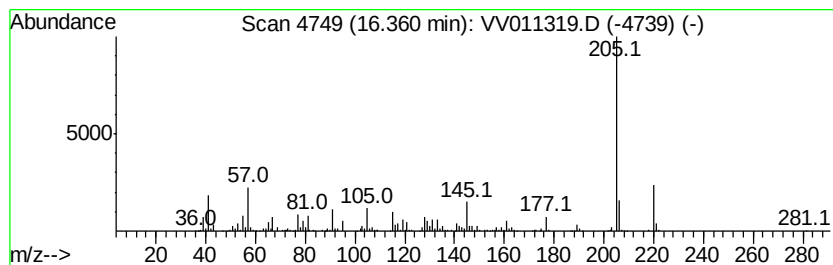
Instrument :
MSVOA_V
ClientSampleId :
F9P64

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Butylated Hydroxytoluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	4.42 ug/L	371756	1,4-Dichlorobenzene-d4	11.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Butylated Hydroxytoluene	220 C15H24O	000128-37-0	98
2	Butylated Hydroxytoluene	220 C15H24O	000128-37-0	97
3	Butylated Hydroxytoluene	220 C15H24O	000128-37-0	94
4	Butylated Hydroxytoluene	220 C15H24O	000128-37-0	91
5	Phenol, 2,4,6-tris(1-methylethyl)-	220 C15H24O	002934-07-8	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011319.D
Acq On : 08 Jun 2019 07:12
Operator : SY/MD
Sample : K3229-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P64

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	1.23	11.9	ug/L	964544	1	5.66	403523	5.0
2-Propanol, 2-met...	2.77	0.7	ug/L	58522	1	5.66	403523	5.0
2-Butanone, 3,3-d...	6.63	1.0	ug/L	80756	1	5.66	403523	5.0
unknown-01	7.03	1.2	ug/L	97143	1	5.66	403523	5.0
unknown-02	13.68	0.7	ug/L	55921	3	11.29	420983	5.0
2,5-Cyclohexadien...	16.23	0.7	ug/L	59793	3	11.29	420983	5.0
Butylated Hydroxy...	16.36	4.4	ug/L	371756	3	11.29	420983	5.0