LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060619\
Data File : VV011315.D
Acq On : 08 Jun 2019 05:19
Operator : SY/MD
Sample : K3228-17
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P61

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.219	31	40	63	rBV	1123940	2657712	100.00%	34.134%
2	1.576	146	151	164	rVB	62644	74992	2.82%	0.963%
3	2.119	311	320	332	rVB	127707	178633	6.72%	2.294%
4	2.309	371	379	398	rVB	50829	88322	3.32%	1.134%
5	2.772	497	523	526	rBV	54124	190012	7.15%	2.440%
6	3.759	812	830	846	rBV5	24307	72363	2.72%	0.929%
7	3.974	881	897	943	rBV	45573	220166	8.28%	2.828%
8	4.396	1011	1028	1046	rBV	91153	218185	8.21%	2.802%
9	5.090	1227	1244	1265	rBV2	220914	519534	19.55%	6.673%
10	5.659	1406	1421	1441	rBV	200090	400456	15.07%	5.143%
11	6.116	1553	1563	1584	rVB2	121399	250951	9.44%	3.223%
12	6.633	1700	1724	1738	rBV3	22733	59926	2.25%	0.770%
13	7.029	1834	1847	1860	rBV2	50466	91155	3.43%	1.171%
14	7.357	1935	1949	1965	rBV	237743	411963	15.50%	5.291%
15	7.662	2033	2044	2059	rBV2	28365	52270	1.97%	0.671%
16	8.138	2179	2192	2214	rBV	290248	553606	20.83%	7.110%
17	8.894	2415	2427	2450	rBV	292256	482565	18.16%	6.198%
18	10.260	2840	2852	2868	rBV	87438	140159	5.27%	1.800%
19	11.292	3158	3173	3189	rBV	255826	408651	15.38%	5.249%
20	11.672	3279	3291	3310	rVB	219419	355150	13.36%	4.561%
21	13.678	3907	3915	3924	rVB3	18254	28175	1.06%	0.362%
22	16.234	4698	4710	4727	rBV3	94218	186380	7.01%	2.394%
23	16.360	4739	4749	4761	rVB2	94025	144681	5.44%	1.858%

Sum of corrected areas: 7786007

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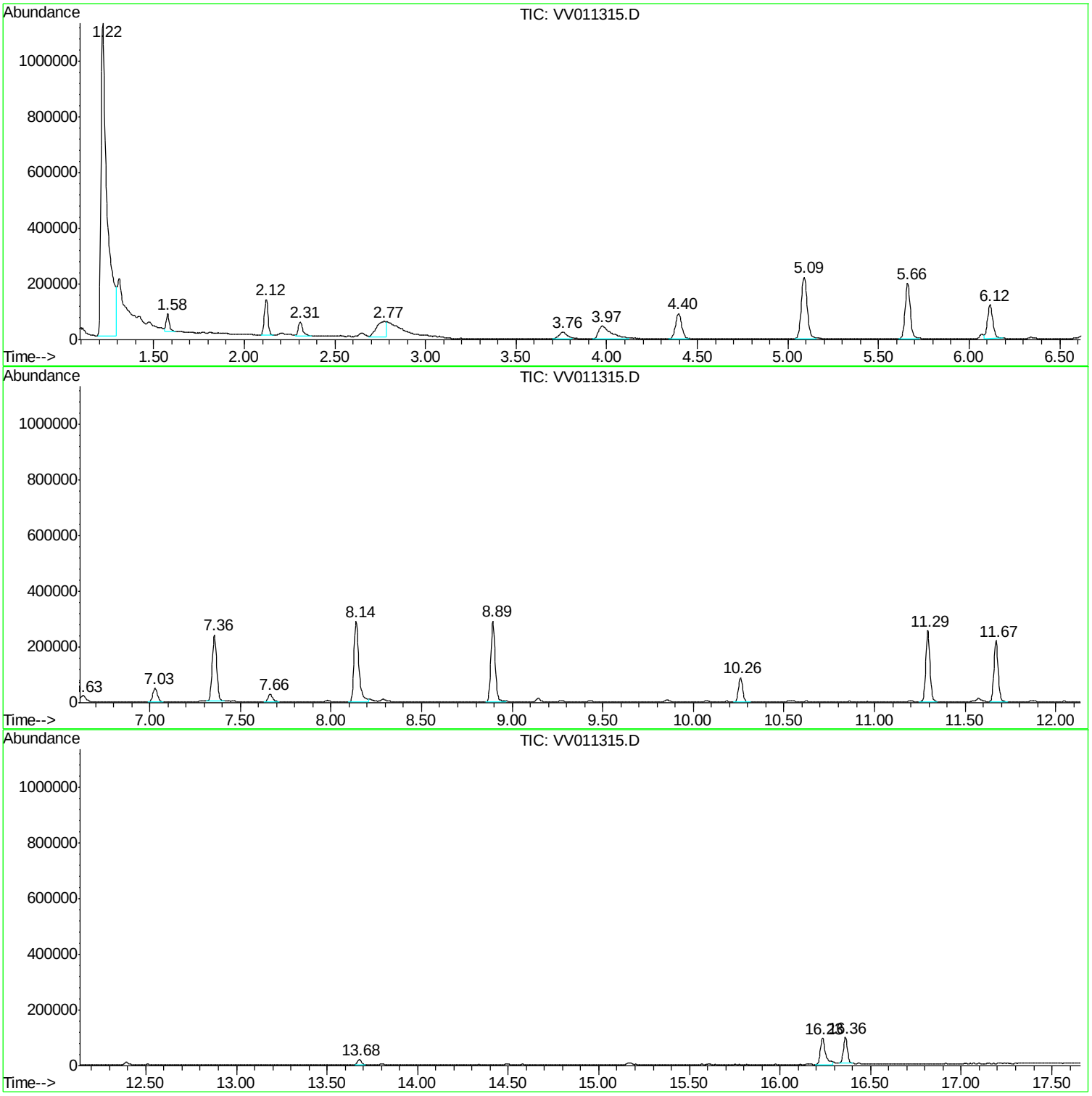
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P61

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



Library Search Compound Report

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Instrument : MSVOA_V
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Quant Title : TRACE VOA SOM01.0

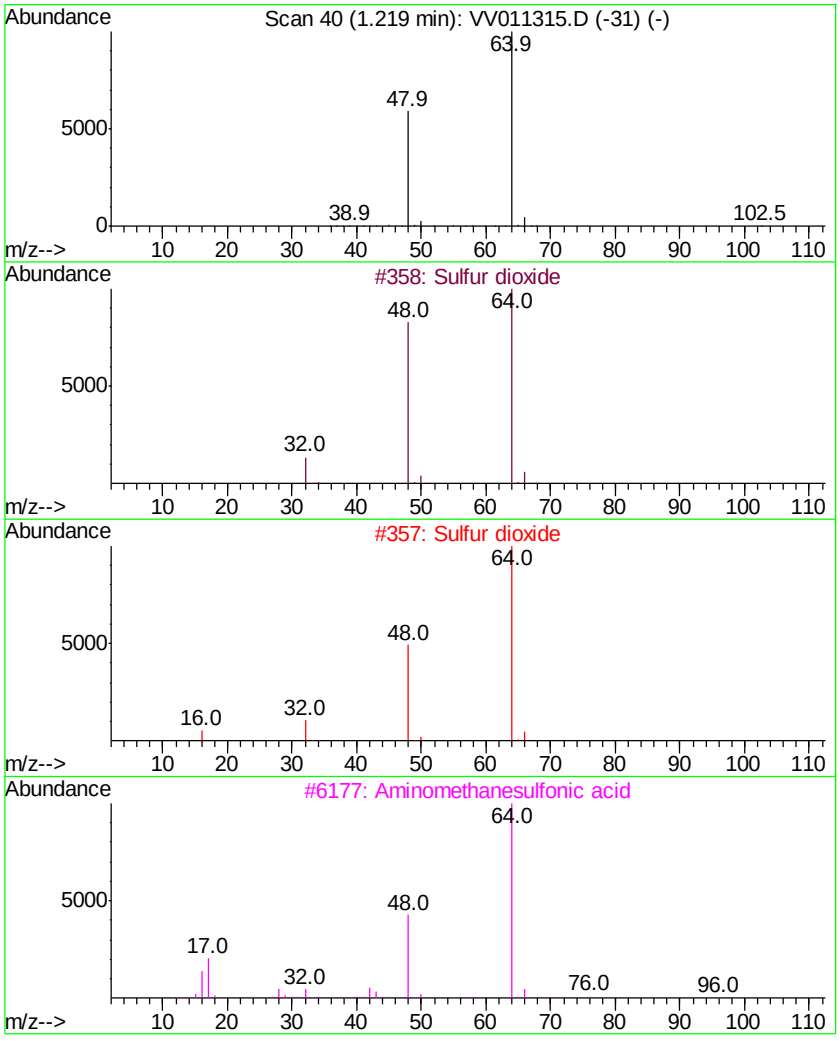
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

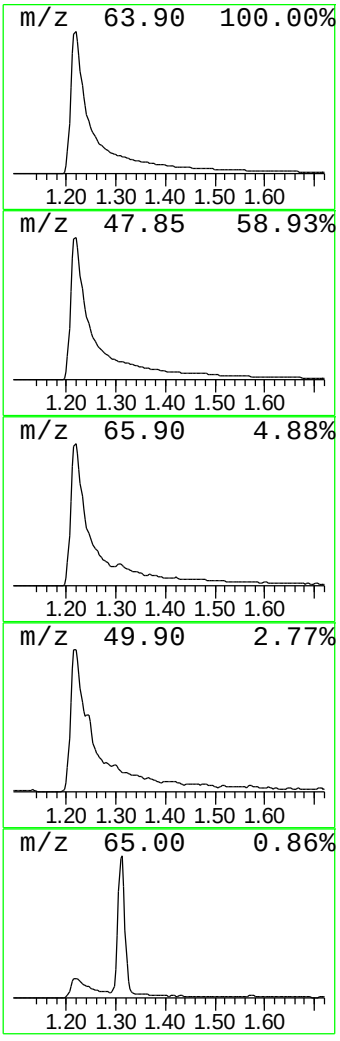
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	33.18 ug/L	2657710	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





Library Search Compound Report

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Data File : VV011315.D
Acq On : 08 Jun 2019 05:19
Operator : SY/MD
Sample : K3228-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P61

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

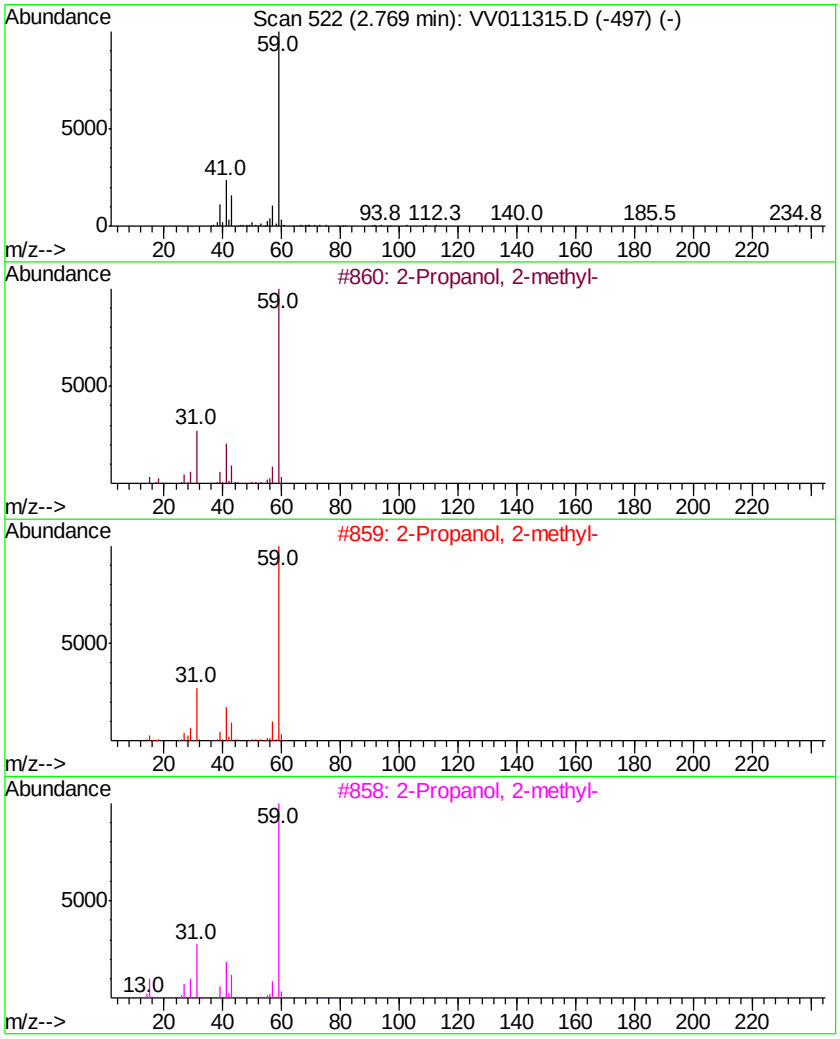
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

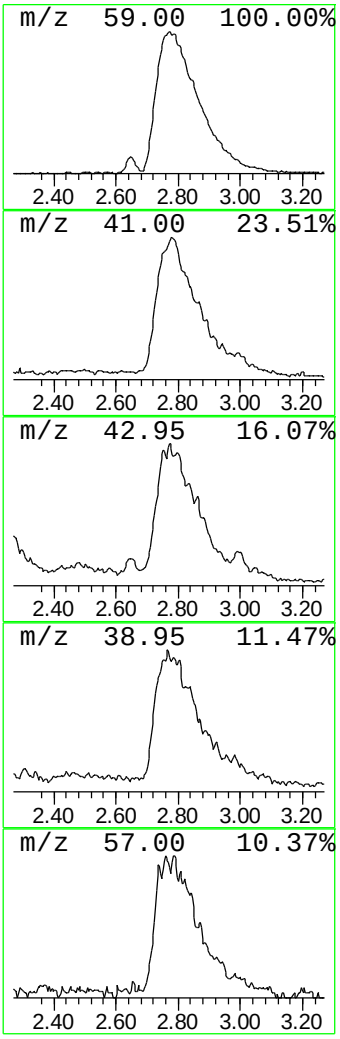
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	2.37 ug/L	190012	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	40
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	39
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011315.D
Acq On : 08 Jun 2019 05:19
Operator : SY/MD
Sample : K3228-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P61

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

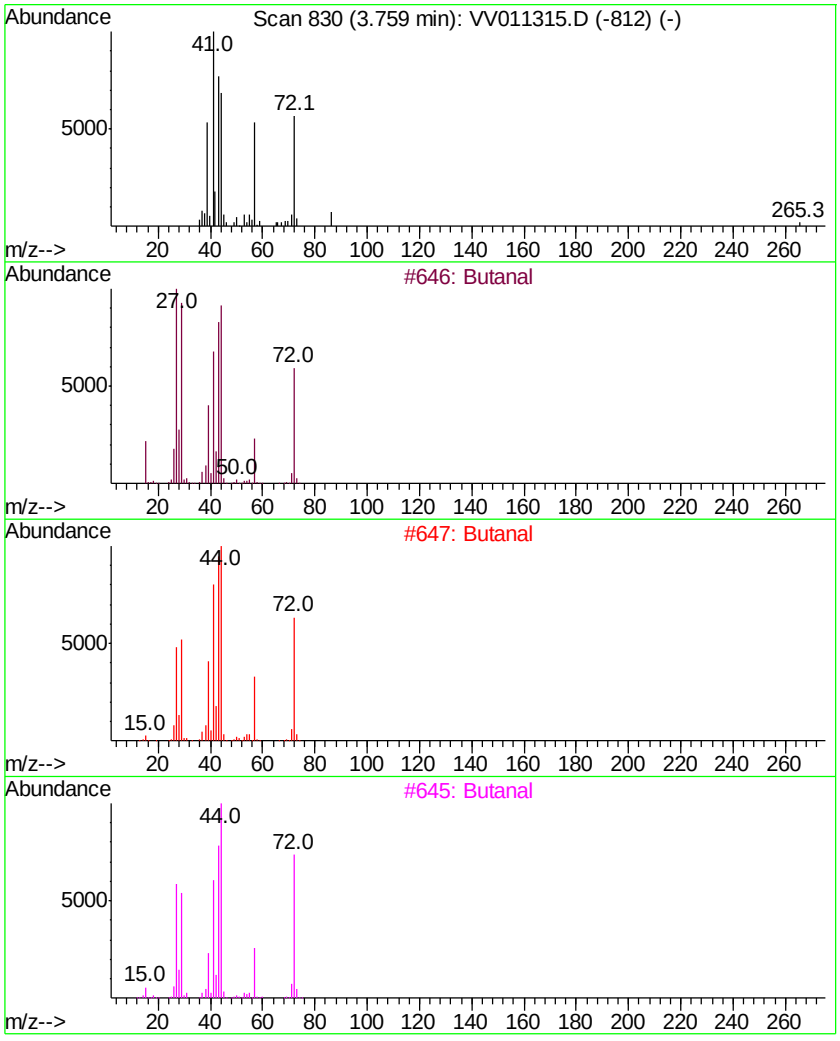
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

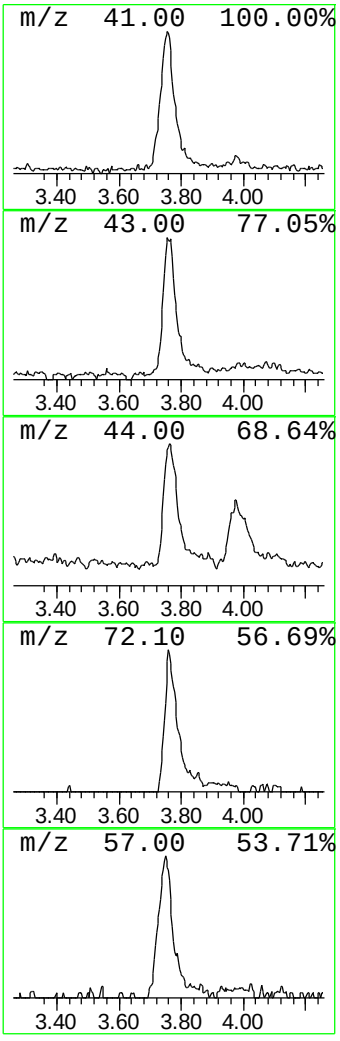
****

Peak Number 3 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	0.90 ug/L	72363	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	58
2	Butanal	72	C4H8O	000123-72-8	50
3	Butanal	72	C4H8O	000123-72-8	50
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43
5	Carbamic acid, dimethyl-, ethyl ...	117	C5H11NO2	000687-48-9	42





Library Search Compound Report

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Data File : VV011315.D
Acq On : 08 Jun 2019 05:19
Operator : SY/MD
Sample : K3228-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P61

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

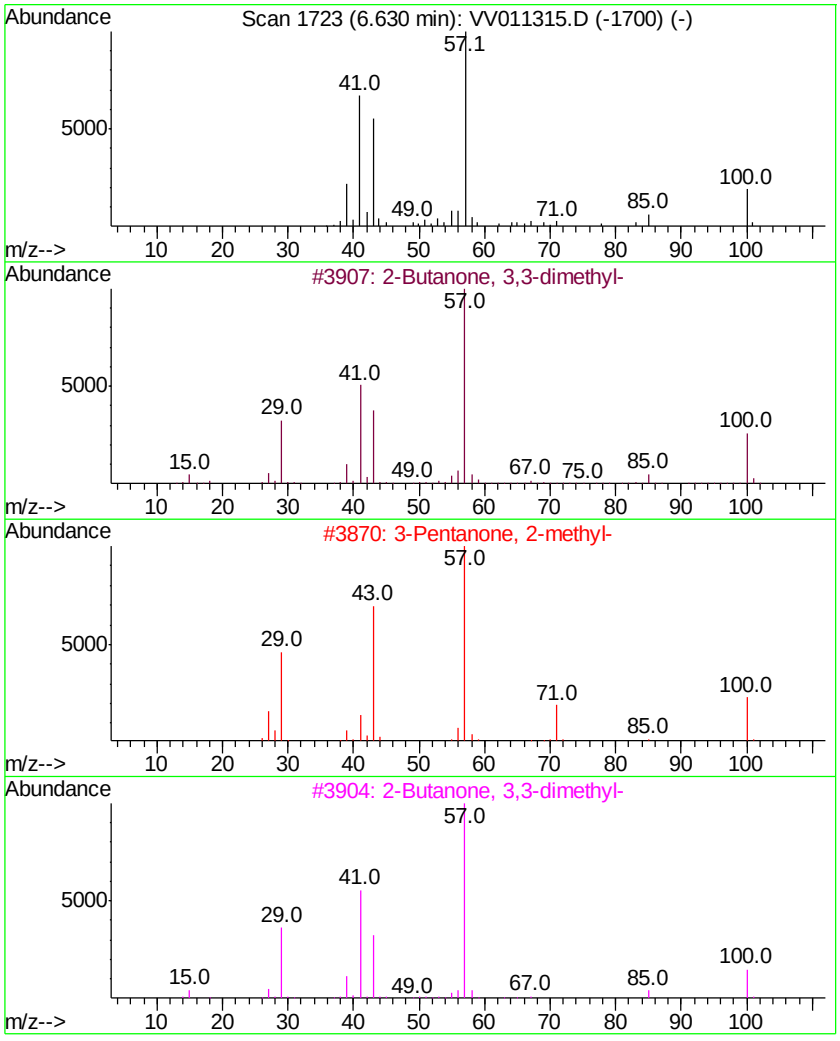
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

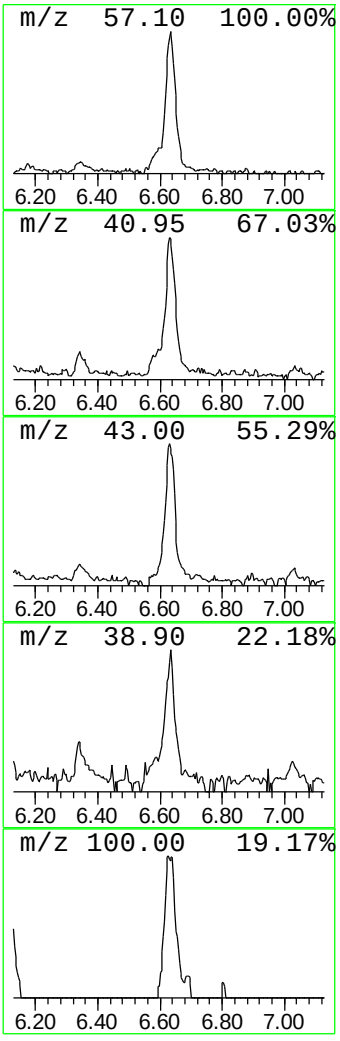
****

Peak Number 4 2-Butanone, 3,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	0.75 ug/L	59926	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	64
2	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	58
3	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	58
4	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	50
5	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	50





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Acq On : 08 Jun 2019 05:19
Operator : SY/MD
Sample : K3228-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P61

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

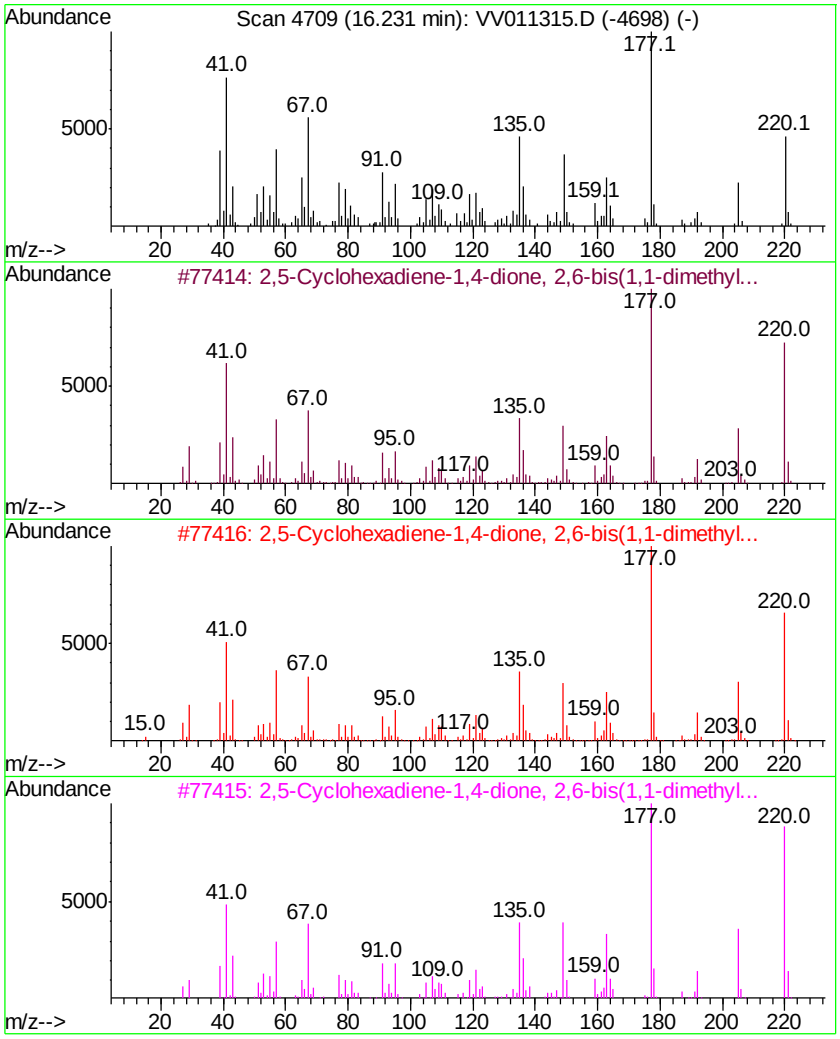
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

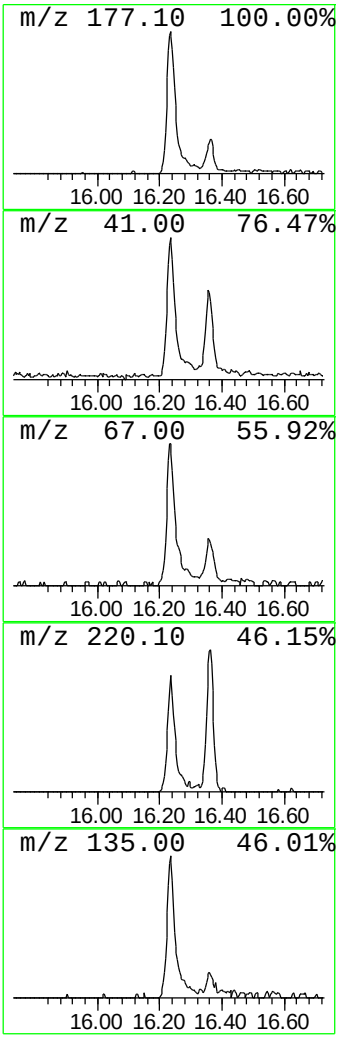
****

Peak Number 6 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	2.28 ug/L	186380	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	96
2	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	96
3	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	62
4	1,3,5,7-Tetramethyl-adamantane	192	C14H24	001687-36-1	35
5	4(1H)-Pteridinone, 2-amino-7-met...	177	C7H7N5O	013040-58-9	35





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ClientSampleId : F9P61

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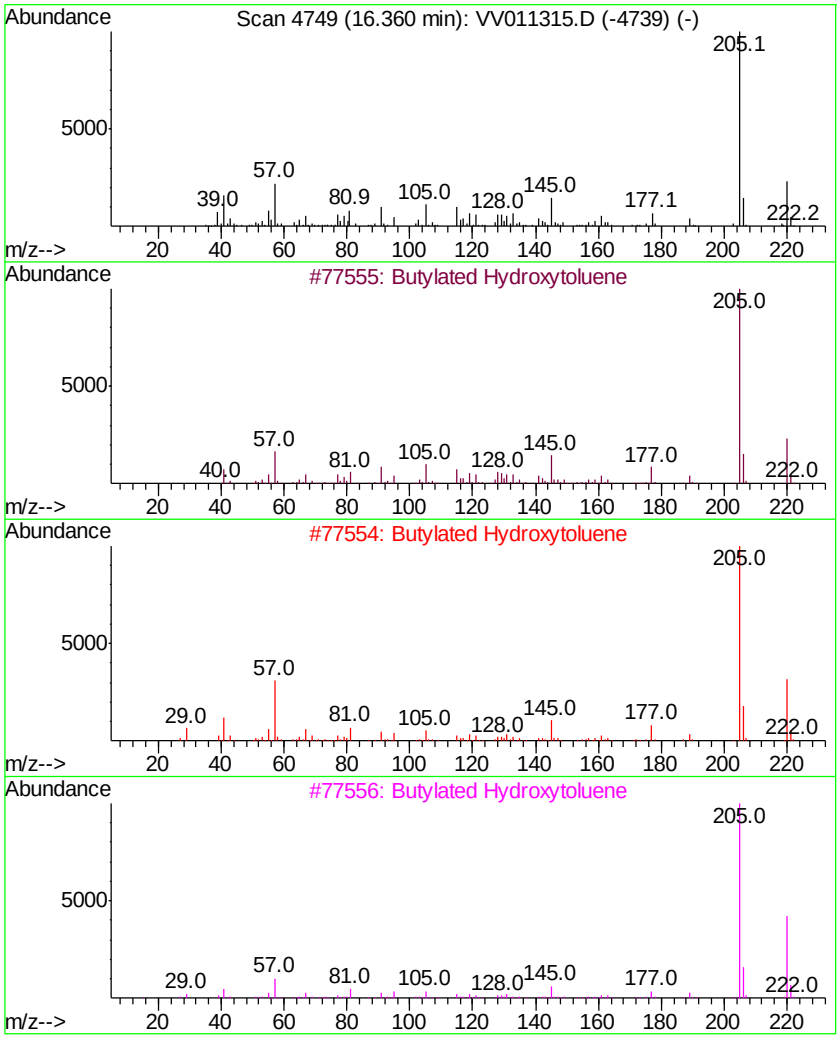
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

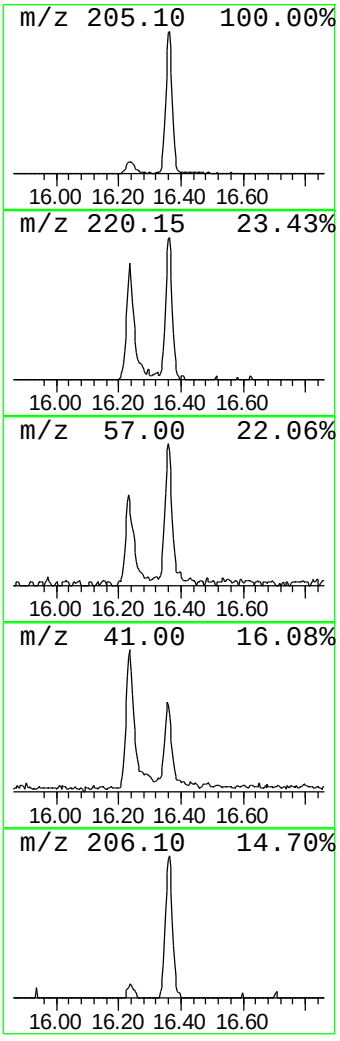
****

Peak Number 7 Butylated Hydroxytoluene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	1.77 ug/L	144681	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	95
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	91





Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.22	33.2	ug/L	2657710	1	5.66	400456	5.0
2-Propanol, 2-met...	2.77	2.4	ug/L	190012	1	5.66	400456	5.0
Butanal	3.76	0.9	ug/L	72363	1	5.66	400456	5.0
2-Butanone, 3,3-d...	6.63	0.8	ug/L	59926	1	5.66	400456	5.0
2,5-Cyclohexadien...	16.23	2.3	ug/L	186380	3	11.29	408651	5.0
Butylated Hydroxy...	16.36	1.8	ug/L	144681	3	11.29	408651	5.0