LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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	1.116	4	8	22	rVB2	16183	20523	3.41%	0.284%
2	1.254	37	51	61	rBV	143308	468959	77.94%	6.480%
3	1.312	66	69	90	rVB	135928	233542	38.81%	3.227%
4	1.579	146	152	164	rVB	75523	91522	15.21%	1.265%
5	2.123	313	321	334	rVB	166014	229436	38.13%	3.170%
6	2.312	372	380	393	rVB	88656	132304	21.99%	1.828%
7	2.650	474	485	496	rBV2	16052	33912	5.64%	0.469%
8	2.782	505	526	538	rBV2	40316	193024	32.08%	2.667%
9	3.756	810	829	849	rBV6	35526	121267	20.15%	1.676%
10	3.978	884	898	934	rBV2	43413	220466	36.64%	3.046%
11	4.399	1012	1029	1051	rBV	100926	246851	41.03%	3.411%
12	5.090	1226	1244	1273	rBV2	258535	601689	100.00%	8.314%
13	5.663	1409	1422	1445	rBV	200721	400367	66.54%	5.532%
14	5.952	1498	1512	1521	rBV	6927	16003	2.66%	0.221%
15	6.074	1534	1550	1552	rBV4	15709	25190	4.19%	0.348%
16	6.116	1553	1563	1580	rVB2	139215	278472	46.28%	3.848%
17	6.341	1621	1633	1645	rBV7	8617	19488	3.24%	0.269%
18	6.589	1696	1710	1711	rBV6	8439	11474	1.91%	0.159%
19	6.634	1715	1724	1740	rVB	33604	72115	11.99%	0.996%
20	7.029	1833	1847	1860	rBV	63259	116999	19.45%	1.617%
21	7.357	1927	1949	1965	rBV	292112	522319	86.81%	7.217%
22	7.563	2004	2013	2025	rVB	18044	32939	5.47%	0.455%
23	7.666	2034	2045	2063	rBV2	36205	64265	10.68%	0.888%
24	8.138	2181	2192	2206	rBV	315797	585194	97.26%	8.086%
25	8.286	2231	2238	2254	rVB2	17852	34710	5.77%	0.480%
26	8.894	2415	2427	2443	rBV	293218	485213	80.64%	6.704%
27	9.145	2493	2505	2517	rBV2	65980	108534	18.04%	1.500%
28	9.428	2586	2593	2605	rBV7	6502	10356	1.72%	0.143%
29	9.749	2686	2693	2708	rBV	14519	27330	4.54%	0.378%
30	9.852	2715	2725	2734	rBV7	13594	23018	3.83%	0.318%
31	10.260	2841	2852	2867	rBV	97778	158846	26.40%	2.195%
32	10.473	2910	2918	2923	rBV2	4735	6821	1.13%	0.094%
33	10.550	2929	2942	2951	rVB7	9814	23112	3.84%	0.319%
34	10.624	2958	2965	2970	rBV7	4263	6309	1.05%	0.087%

LSC Area Percent Report

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Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

35	11.084	3098	3108	3122	rBV2	27921	50938	8.47%	0.704%
36	11.196	3131	3143	3154	rBV3	27421	49218	8.18%	0.680%
37	11.293	3161	3173	3190	rVB	278423	448528	74.54%	6.197%
38	11.576	3249	3261	3278	rBV3	28303	59546	9.90%	0.823%
39	11.669	3278	3290	3308	rVB	261728	427399	71.03%	5.905%
40	12.183	3442	3450	3462	rVB9	6290	9998	1.66%	0.138%
41	12.283	3470	3481	3490	rBV2	18542	32659	5.43%	0.451%
42	12.392	3506	3515	3528	rVB3	27650	44326	7.37%	0.612%
43	13.482	3846	3854	3865	rBV9	10192	16998	2.83%	0.235%
44	13.678	3907	3915	3924	rVB9	10243	18041	3.00%	0.249%
45	14.492	4160	4168	4174	rBV10	6024	7791	1.29%	0.108%
46	15.164	4370	4377	4386	rBV10	10048	18308	3.04%	0.253%
47	16.238	4697	4711	4737	rBV2	157316	333810	55.48%	4.612%
48	16.360	4741	4749	4760	rVB	62207	97197	16.15%	1.343%

Sum of corrected areas: 7237326

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
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Acq On : 07 Jun 2019 04:40
Operator : SY/MD
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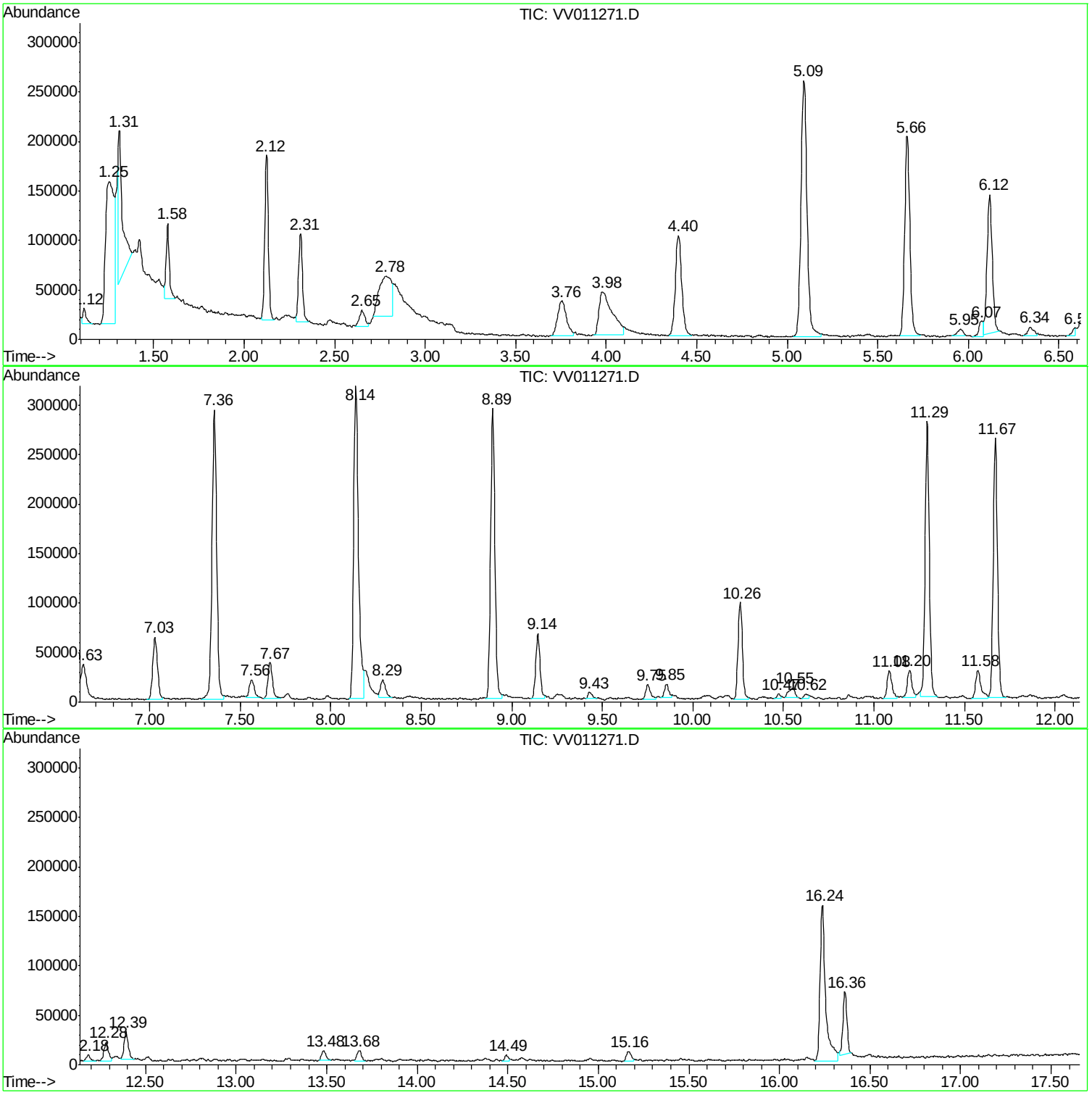
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

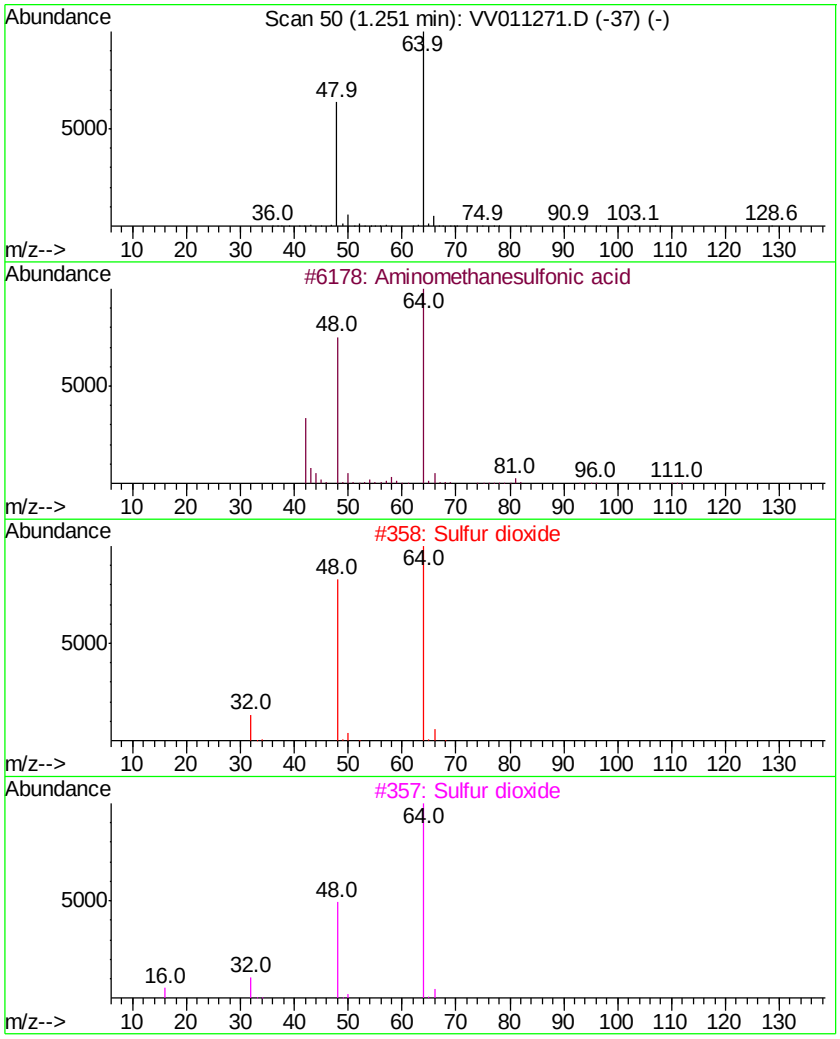
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

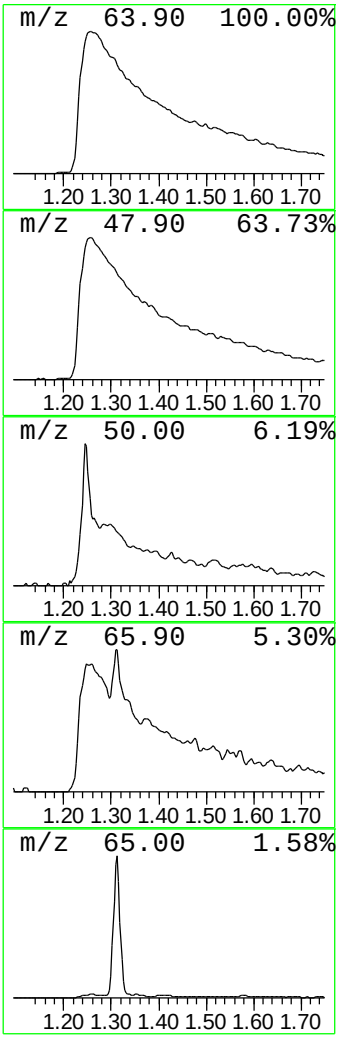
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.25	5.86 ug/L	468959	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	Sulfur dioxide	64	O2S	007446-09-5	83
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

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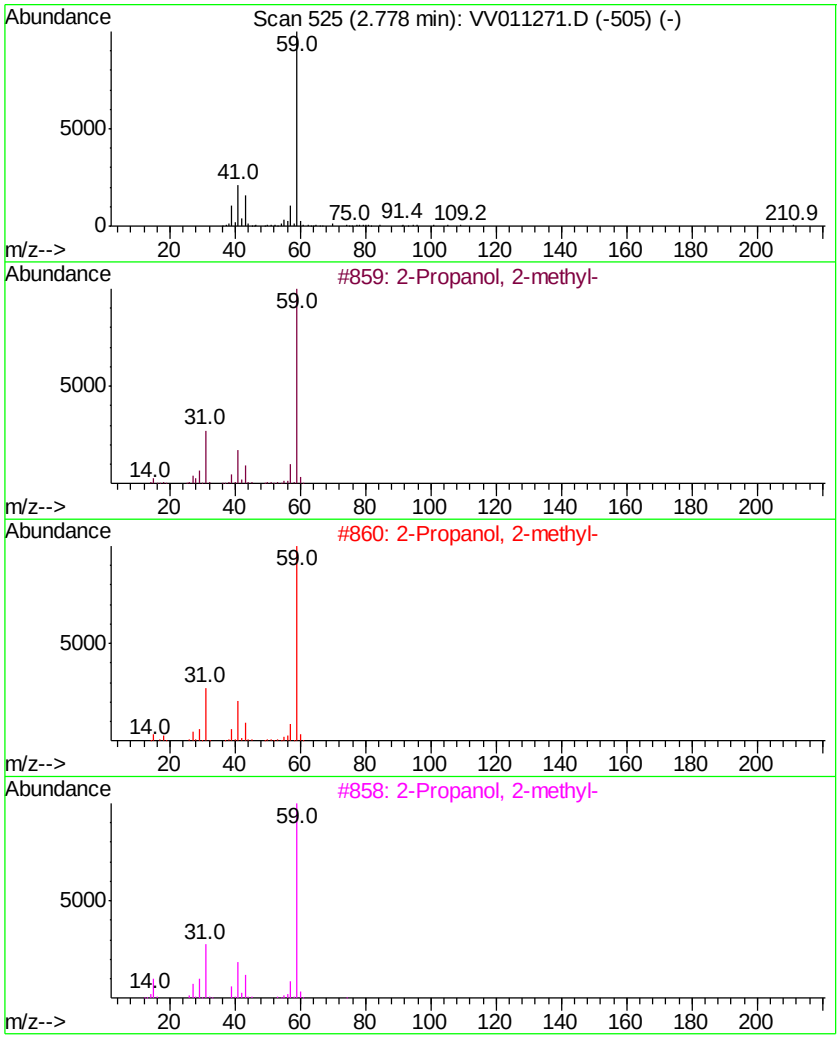
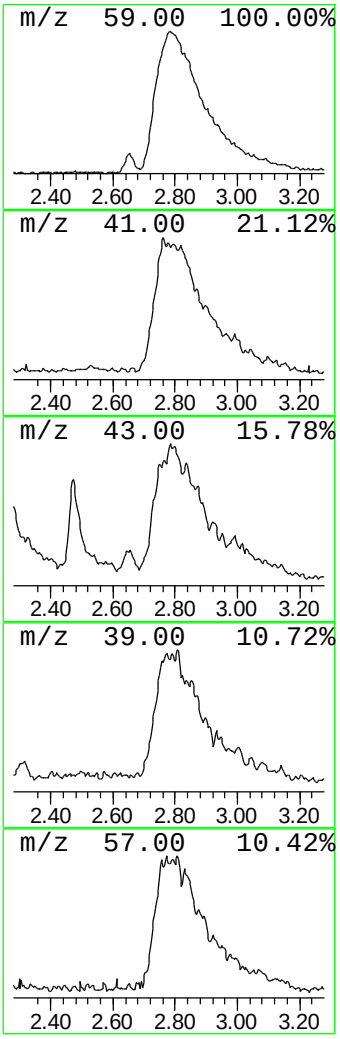
Peak Number 2 2-Propanol, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	2.41 ug/L	193024	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	72
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	40
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	40
5	3-Pentanol	88	C5H12O	000584-02-1	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

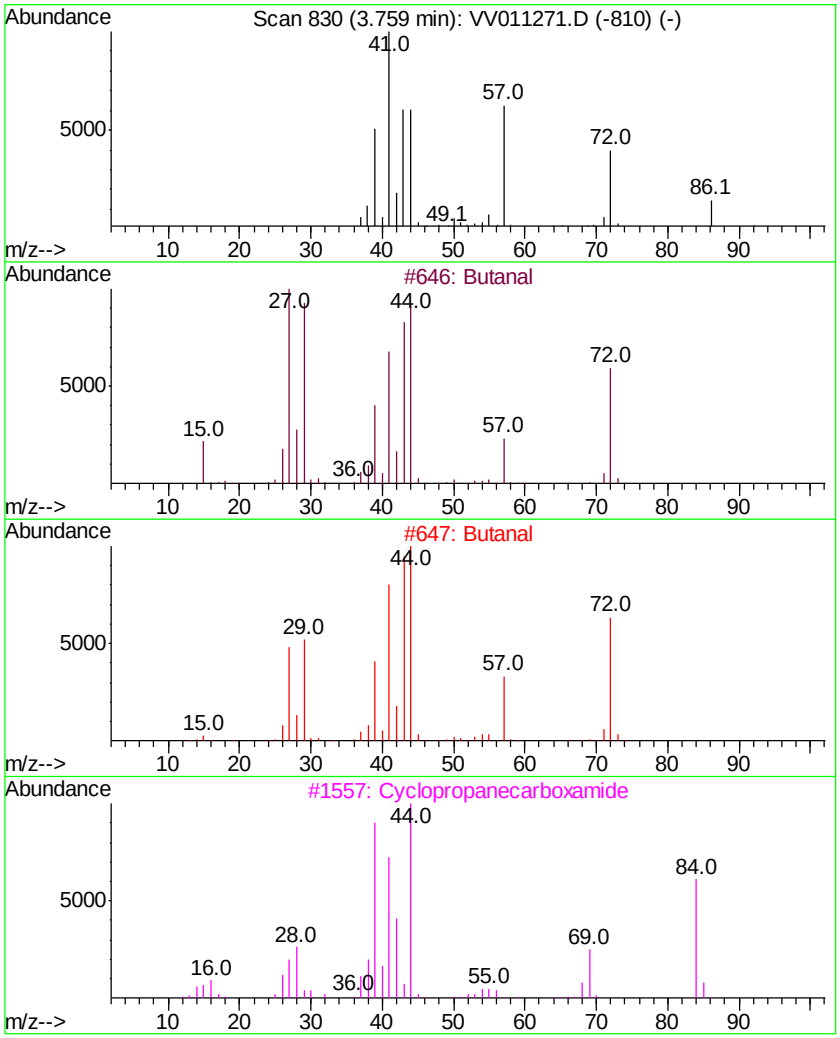
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

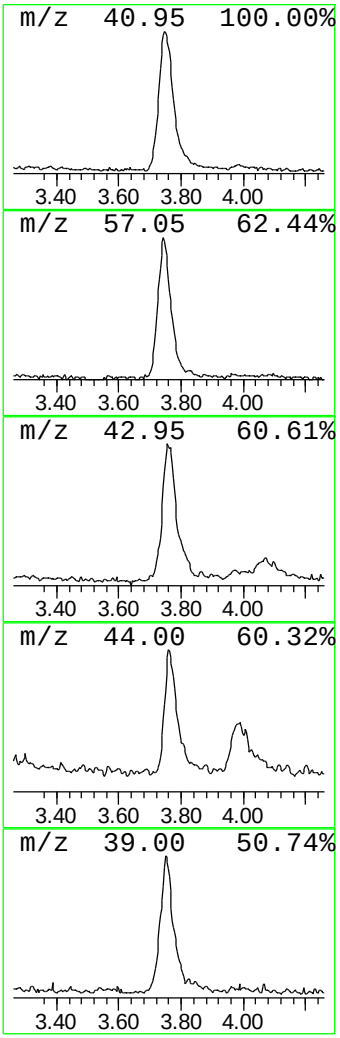
****

Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	1.51 ug/L	121267	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	49
2	Butanal	72	C4H8O	000123-72-8	49
3	Cyclopropanecarboxamide	85	C4H7NO	006228-73-5	47
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38
5	Methacrolein	70	C4H6O	000078-85-3	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

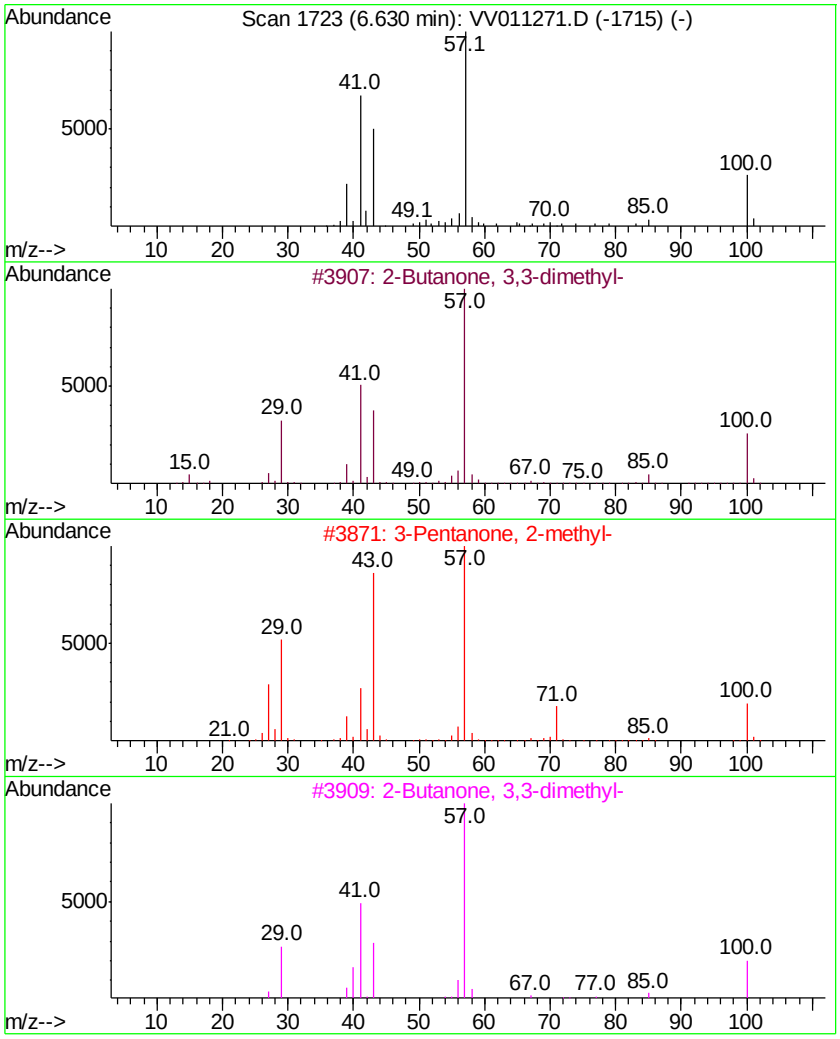
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

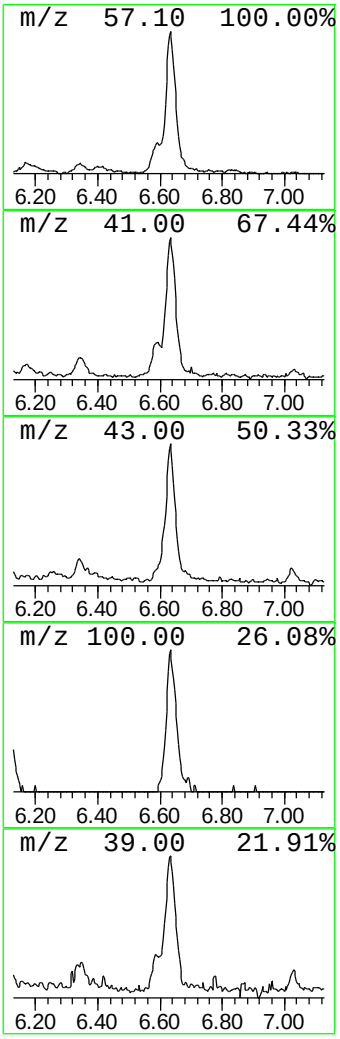
****

Peak Number 4 2-Butanone, 3,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	0.90 ug/L	72115	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	62
2	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	53
3	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	53
4	3-Hexanone	100	C6H12O	000589-38-8	53
5	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

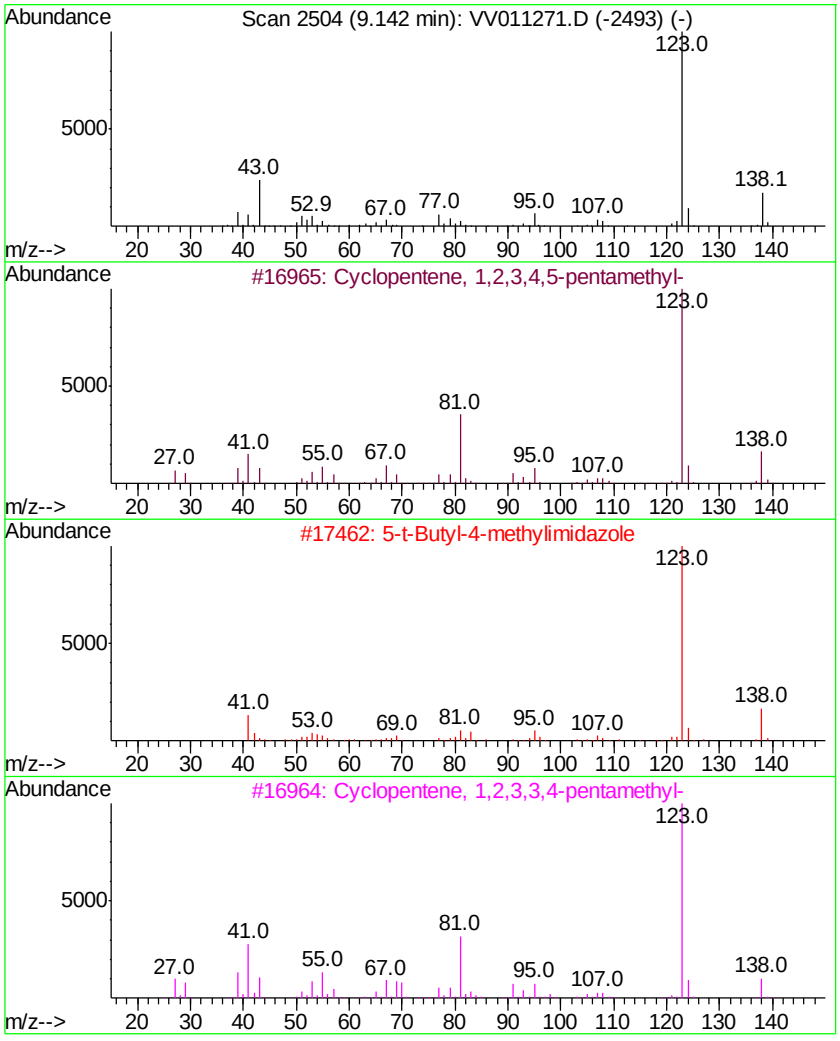
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

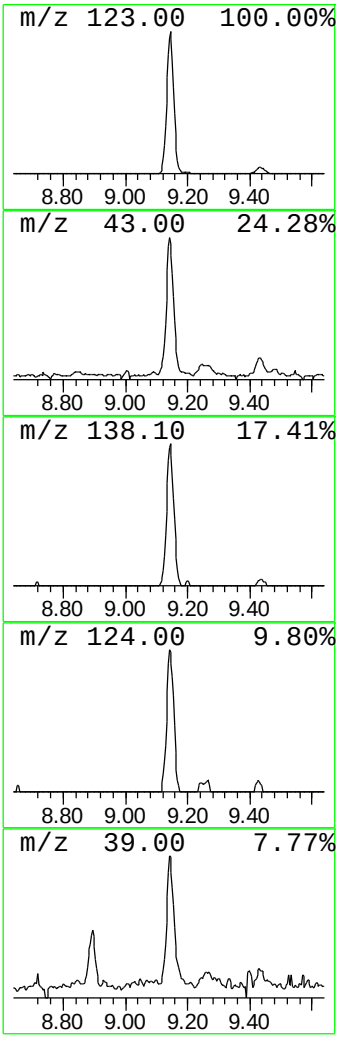
****

Peak Number 6 Cyclopentene, 1,2,3,4,5-pen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	1.12 ug/L	108534	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3,4,5-pentamet...	138	C10H18	1000154-28-6	91
2	5-t-Butyl-4-methylimidazole	138	C8H14N2	146979-50-2	90
3	Cyclopentene, 1,2,3,3,4-pentamet...	138	C10H18	197390-29-7	83
4	Ethanone, 1-(4-fluorophenyl)-	138	C8H7FO	000403-42-9	64
5	3-Pyridinol, 2,6-dimethyl-	123	C7H9NO	001122-43-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

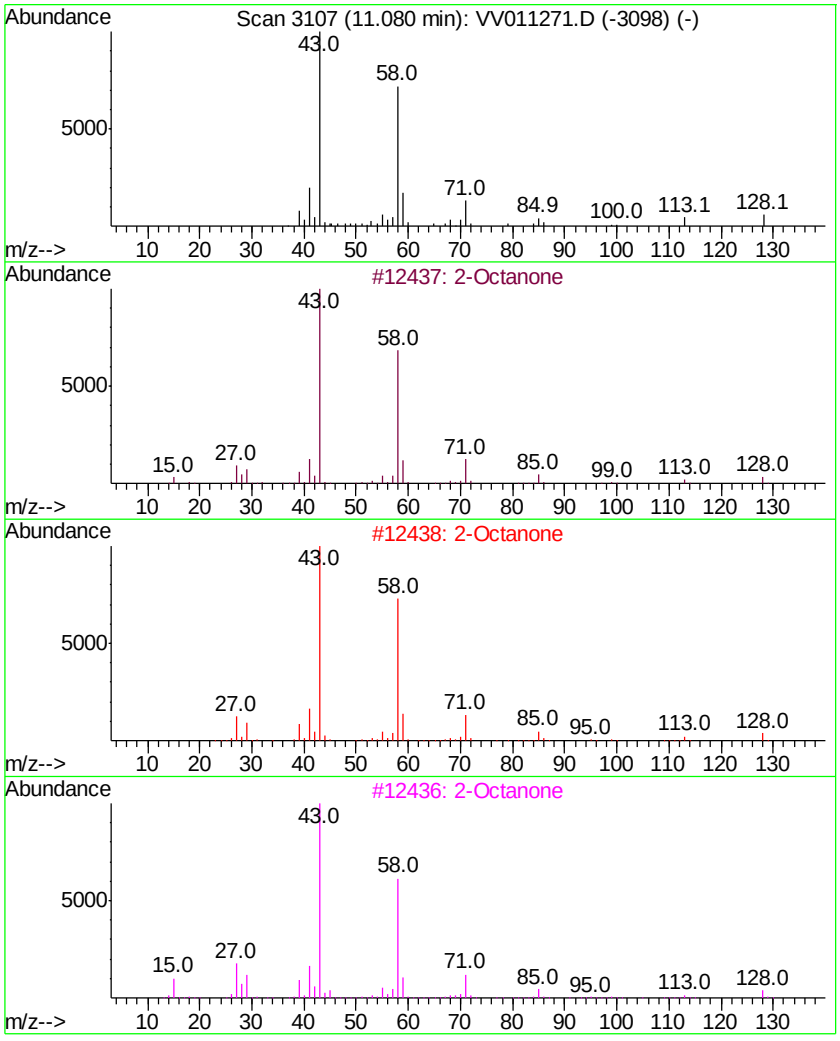
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

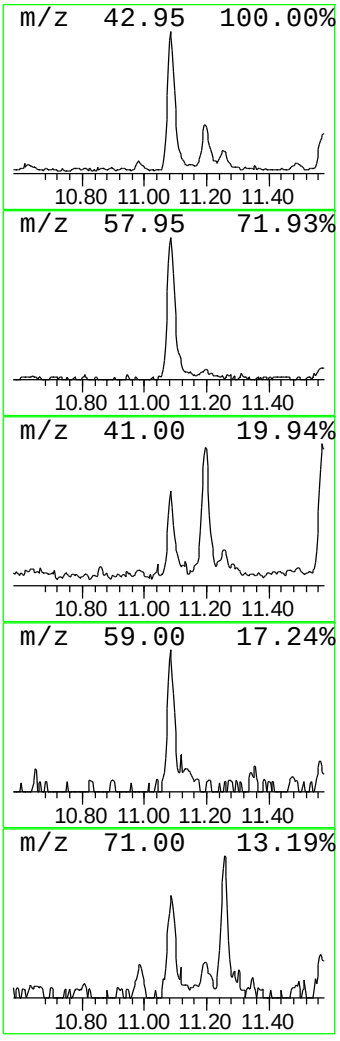
****

Peak Number 7 2-Octanone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	0.57 ug/L	50938	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	90
2	2-Octanone	128	C8H16O	000111-13-7	90
3	2-Octanone	128	C8H16O	000111-13-7	86
4	2-Octanone	128	C8H16O	000111-13-7	81
5	2-Octanone	128	C8H16O	000111-13-7	64





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Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

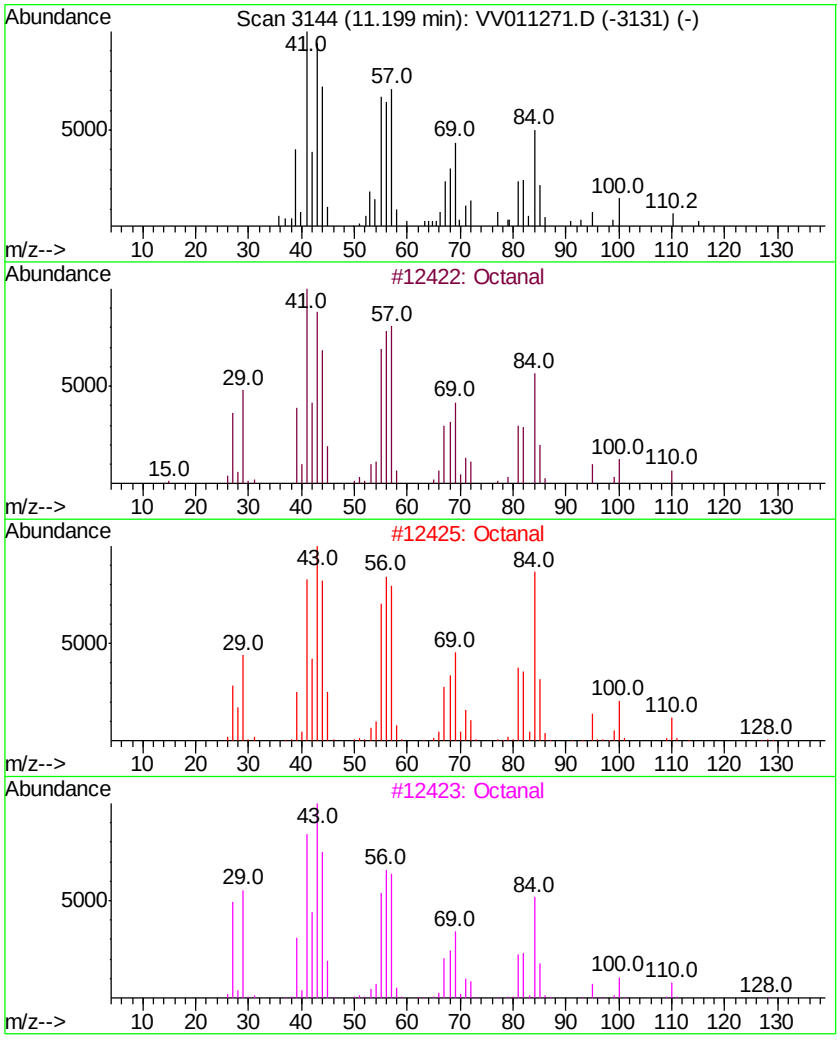
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

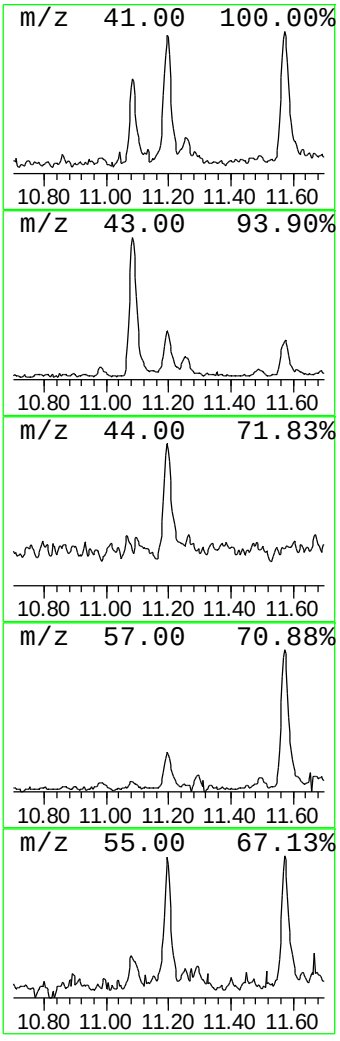
****

Peak Number 8 Octanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	0.55 ug/L	49218	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	78
4	Homopiperazine	100	C5H12N2	000505-66-8	38
5	Piperazine, 2-methyl-	100	C5H12N2	000109-07-9	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

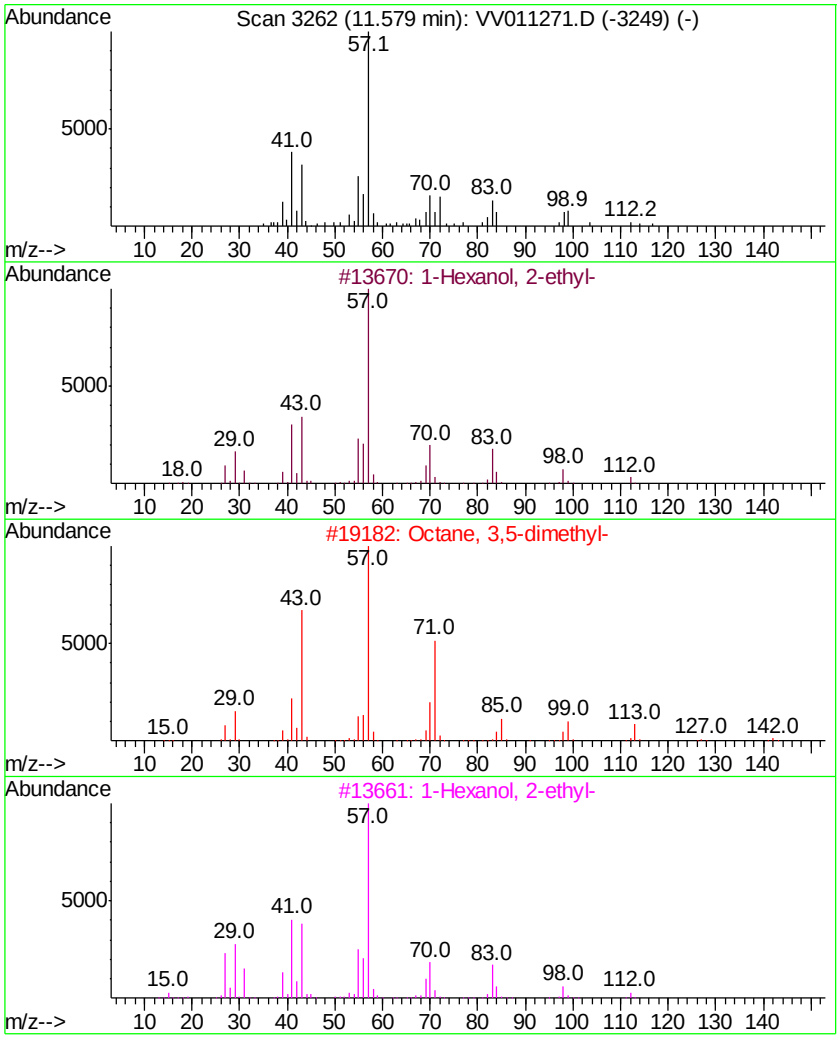
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

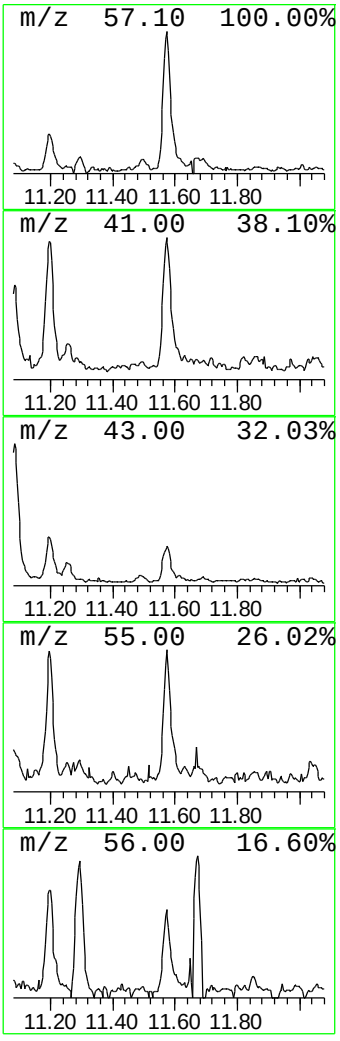
****

Peak Number 9 1-Hexanol, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	0.66 ug/L	59546	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	53
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	50
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
4	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	43
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	43





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Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

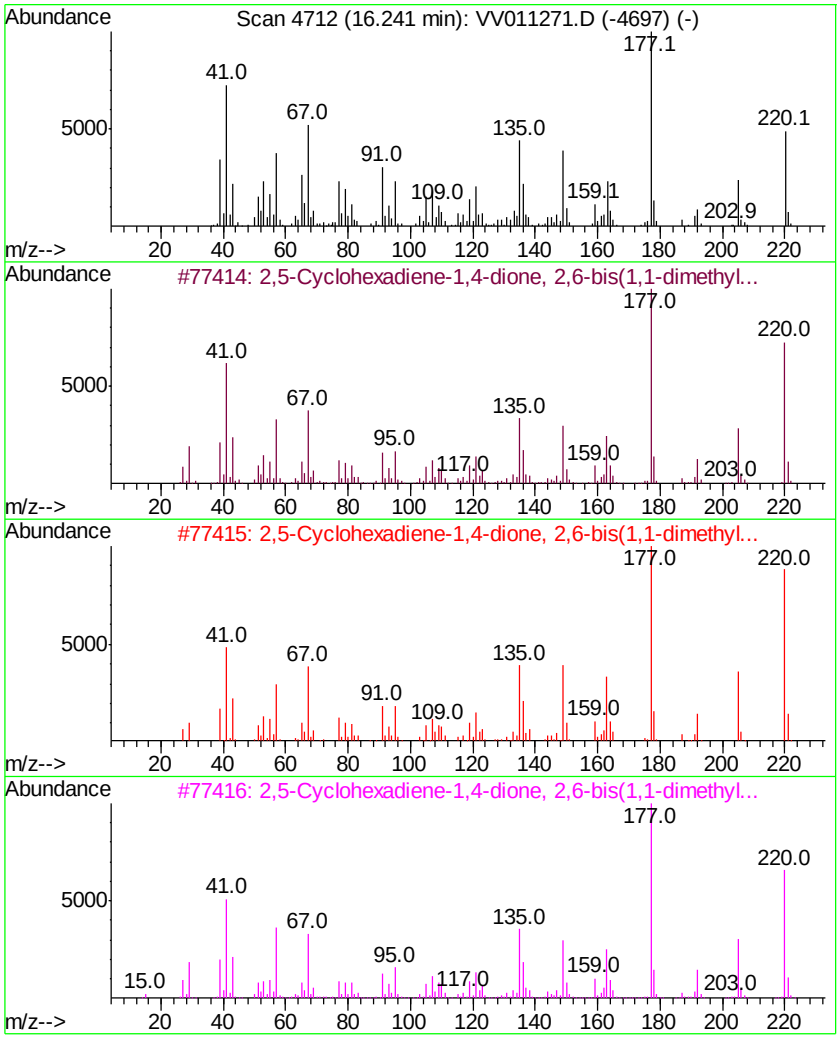
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

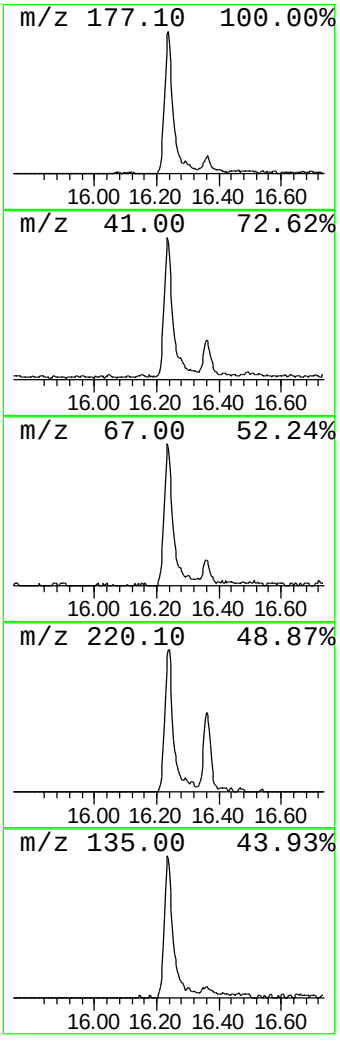
****

Peak Number 10 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	3.72 ug/L	333810	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	99
2	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	99
3	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	50
4	Thiocoumarine, 4,4,6,7-tetramethyl-	220	C13H16OS	1000128-90-2	45
5	4-Propylbenzaldehyde diethyl acetal	222	C14H22O2	089557-35-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

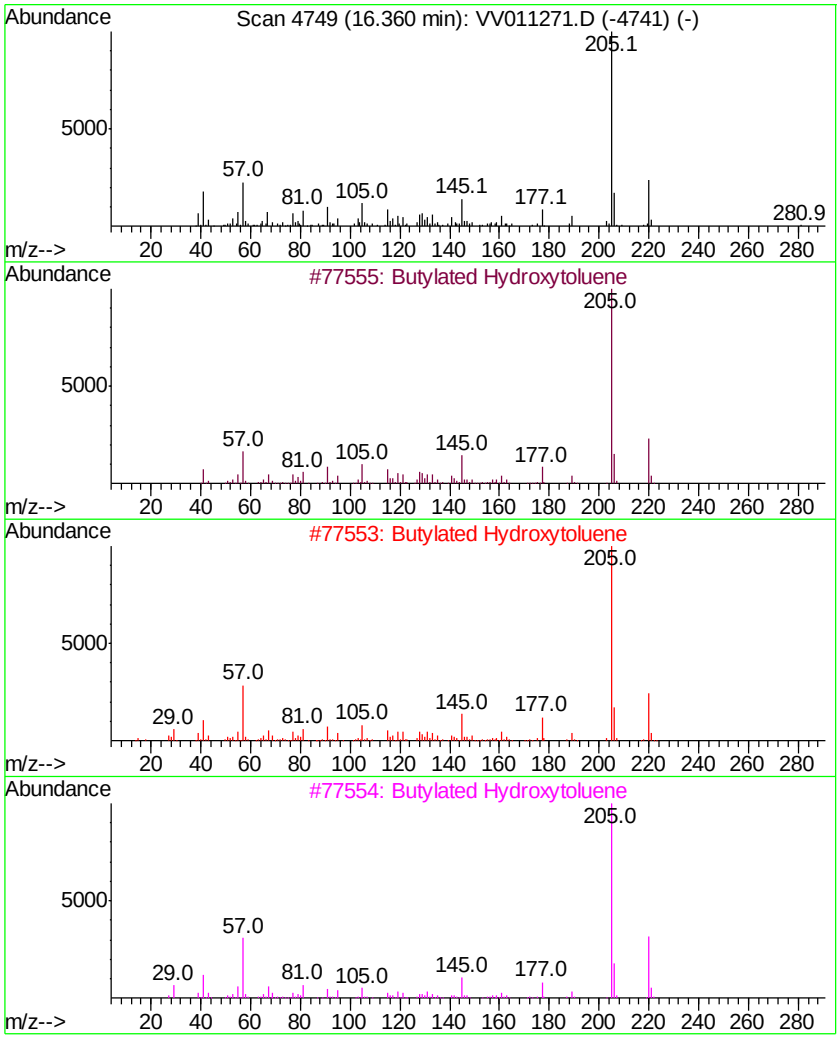
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

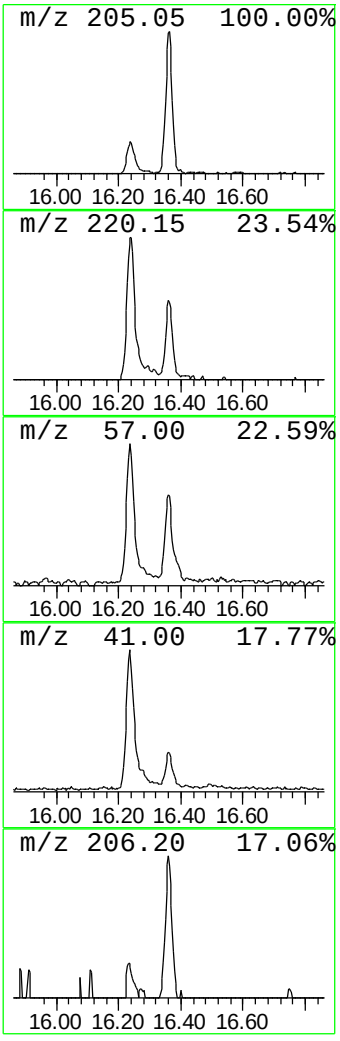
****

Peak Number 11 Butylated Hydroxytoluene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	1.08 ug/L	97197	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	93
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	91
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Data File : VV011271.D
Acq On : 07 Jun 2019 04:40
Operator : SY/MD
Sample : K3197-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : F9P58

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.25	5.9	ug/L	468959	1	5.66	400367	5.0
2-Propanol, 2-met...	2.78	2.4	ug/L	193024	1	5.66	400367	5.0
unknown-01	3.76	1.5	ug/L	121267	1	5.66	400367	5.0
2-Butanone, 3,3-d...	6.63	0.9	ug/L	72115	1	5.66	400367	5.0
Cyclopentene, 1,2...	9.14	1.1	ug/L	108534	2	8.89	485213	5.0
2-Octanone	11.08	0.6	ug/L	50938	3	11.29	448528	5.0
Octanal	11.20	0.6	ug/L	49218	3	11.29	448528	5.0
1-Hexanol, 2-ethyl-	11.58	0.7	ug/L	59546	3	11.29	448528	5.0
2,5-Cyclohexadien...	16.24	3.7	ug/L	333810	3	11.29	448528	5.0
Butylated Hydroxy...	16.36	1.1	ug/L	97197	3	11.29	448528	5.0