LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_N\METHODS\624N082020W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.789	3	5	20	rVB	42451	46421	1.19%	0.361%
2	1.976	55	63	76	rBV	38175	53446	1.37%	0.415%
3	3.780	609	624	650	rBV3	45333	140997	3.62%	1.096%
4	4.735	889	921	972	rBV	769385	2710450	69.57%	21.063%
5	6.780	1530	1557	1617	rBV	1246171	3896142	100.00%	30.277%
6	7.165	1655	1677	1714	rBV2	495716	1432498	36.77%	11.132%
7	7.992	1909	1934	1955	rBV4	98828	265873	6.82%	2.066%
8	8.098	1955	1967	1984	rVB2	28883	67828	1.74%	0.527%
9	8.551	2087	2108	2126	rBV	172508	362548	9.31%	2.817%
10	10.062	2564	2578	2590	rBV	269122	502596	12.90%	3.906%
11	10.165	2603	2610	2623	rVB	34808	63331	1.63%	0.492%
12	10.693	2755	2774	2795	rBV	77470	146584	3.76%	1.139%
13	11.381	2975	2988	3003	rBV	246250	446168	11.45%	3.467%
14	11.593	3038	3054	3064	rBV	69457	135768	3.48%	1.055%
15	11.924	3144	3157	3173	rVB	56059	97010	2.49%	0.754%
16	12.377	3287	3298	3313	rBV	176959	298357	7.66%	2.319%
17	13.014	3483	3496	3505	rBV2	29408	54513	1.40%	0.424%
18	13.140	3523	3535	3545	rBV4	48901	88646	2.28%	0.689%
19	13.342	3588	3598	3608	rBV2	43370	75051	1.93%	0.583%
20	13.795	3722	3739	3750	rBV8	44916	107950	2.77%	0.839%
21	13.857	3750	3758	3771	rVB2	30360	50569	1.30%	0.393%
22	14.197	3849	3864	3882	rBV	402573	713446	18.31%	5.544%
23	14.551	3965	3974	3990	rVB6	22088	44647	1.15%	0.347%
24	14.779	4032	4045	4047	rBV5	52592	88702	2.28%	0.689%
25	14.821	4048	4058	4067	rVV	434781	762241	19.56%	5.923%
26	14.869	4067	4073	4087	rVB4	124175	216497	5.56%	1.682%

Sum of corrected areas: 12868279

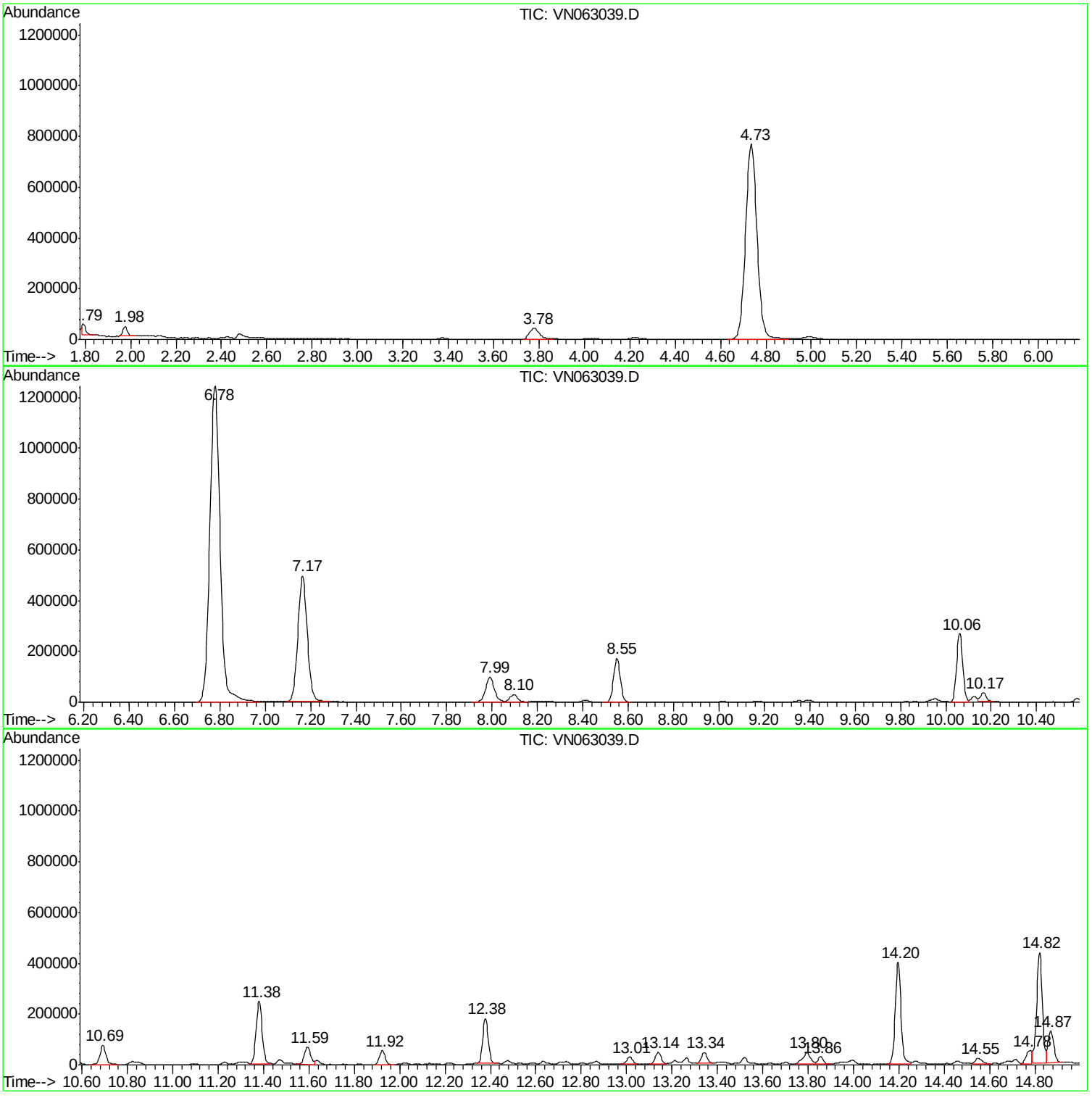
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

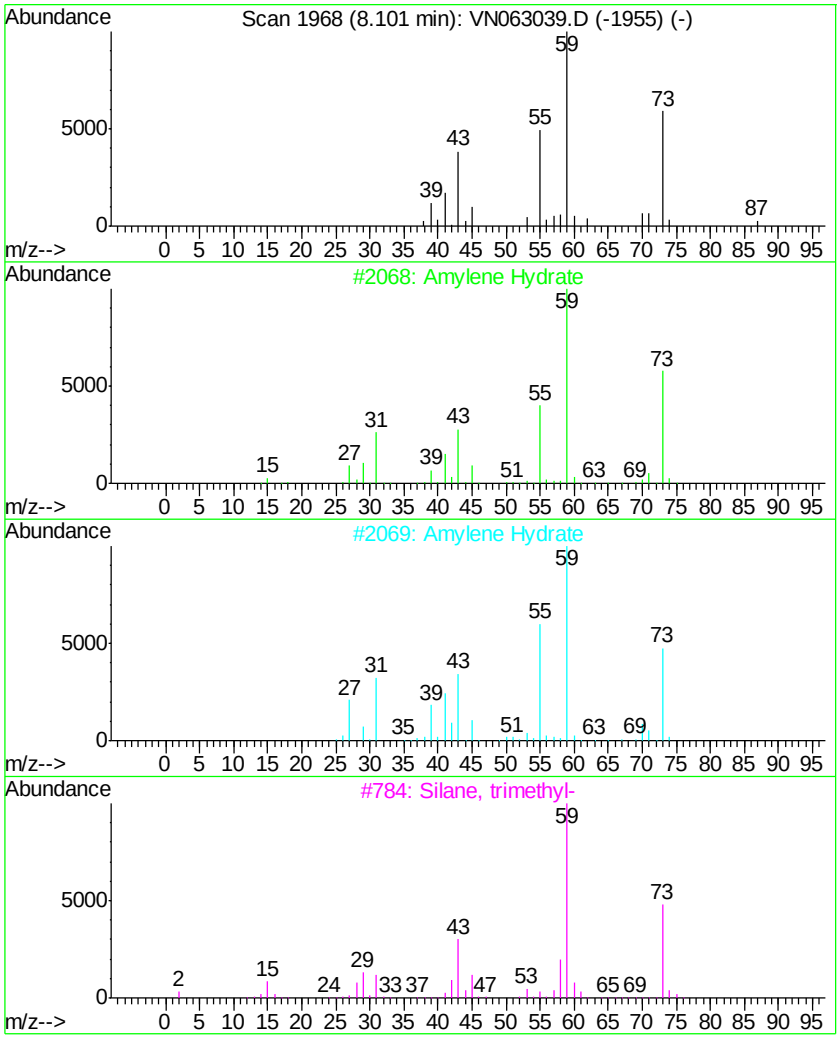
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

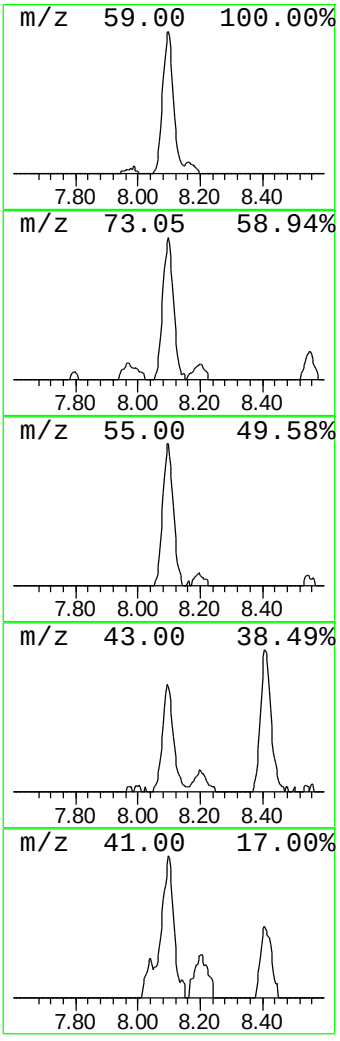
****

Peak Number 1 Amylene Hydrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	5.61 ug/l	67828	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	78
2	Amylene Hydrate	88	C5H12O	000075-85-4	78
3	Silane, trimethyl-	74	C3H10Si	000993-07-7	72
4	Amylene Hydrate	88	C5H12O	000075-85-4	72
5	Silane, trimethyl-	74	C3H10Si	000993-07-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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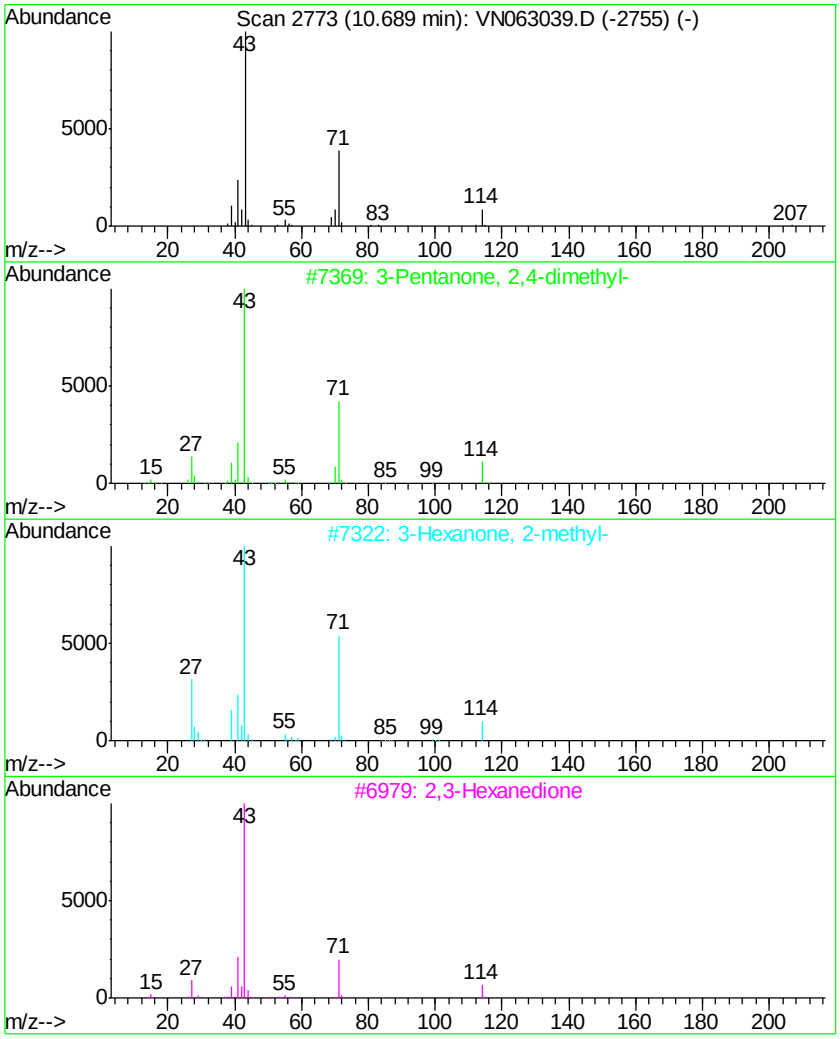
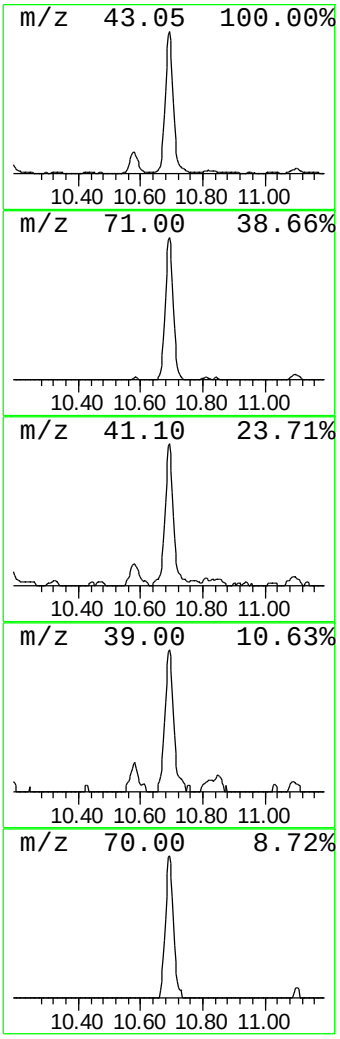
Peak Number 2 3-Pentanone, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	9.86 ug/l	146584	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
3	2,3-Hexanedione	114	C6H10O2	003848-24-6	64
4	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	58
5	Pentane, 2-nitro-	117	C5H11NO2	004609-89-6	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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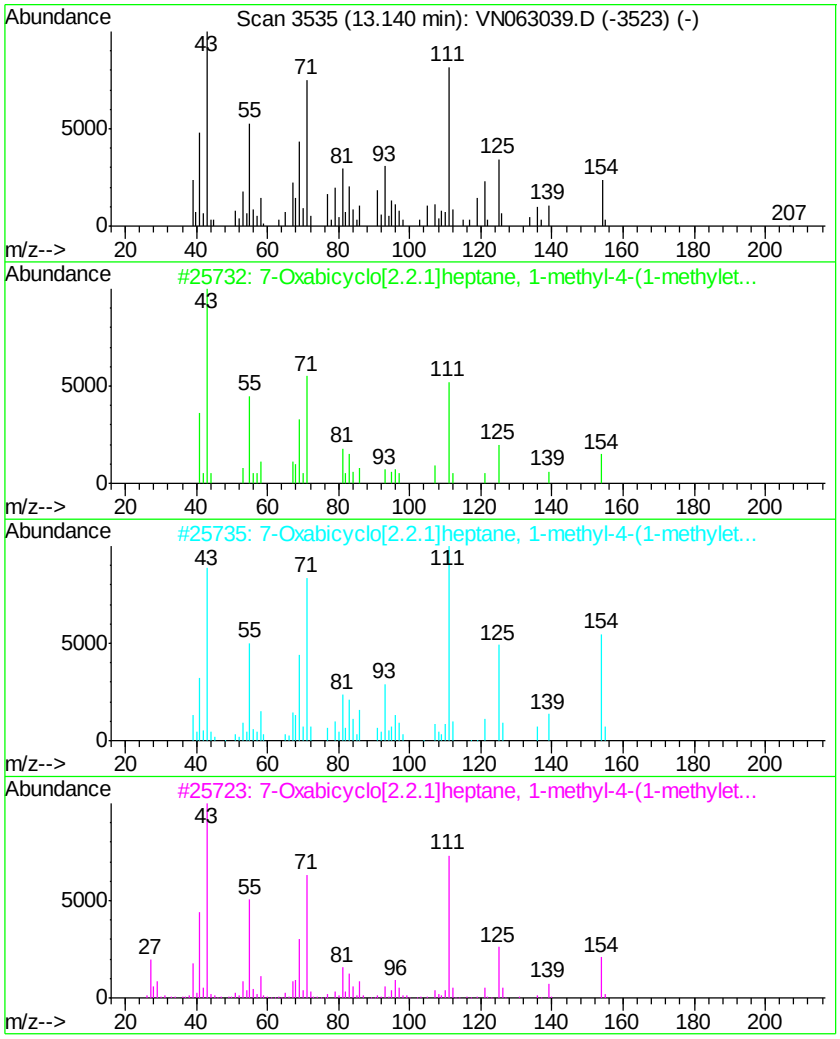
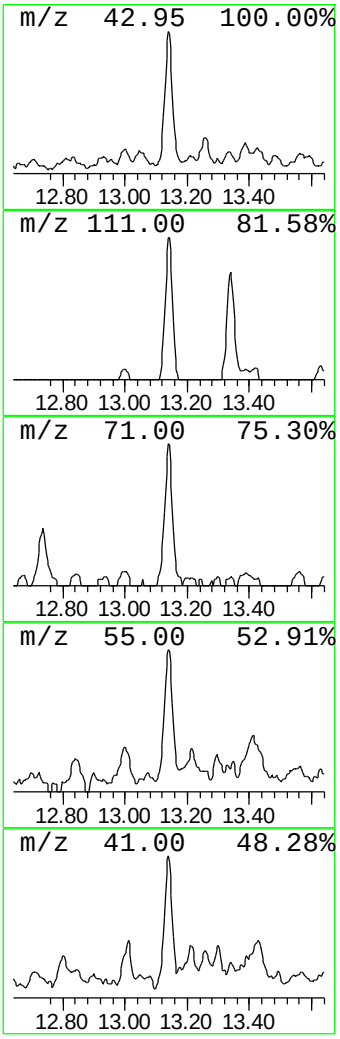
Peak Number 3 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	5.96 ug/l	88646	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	95
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	94
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	93
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	87
5	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	000562-74-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

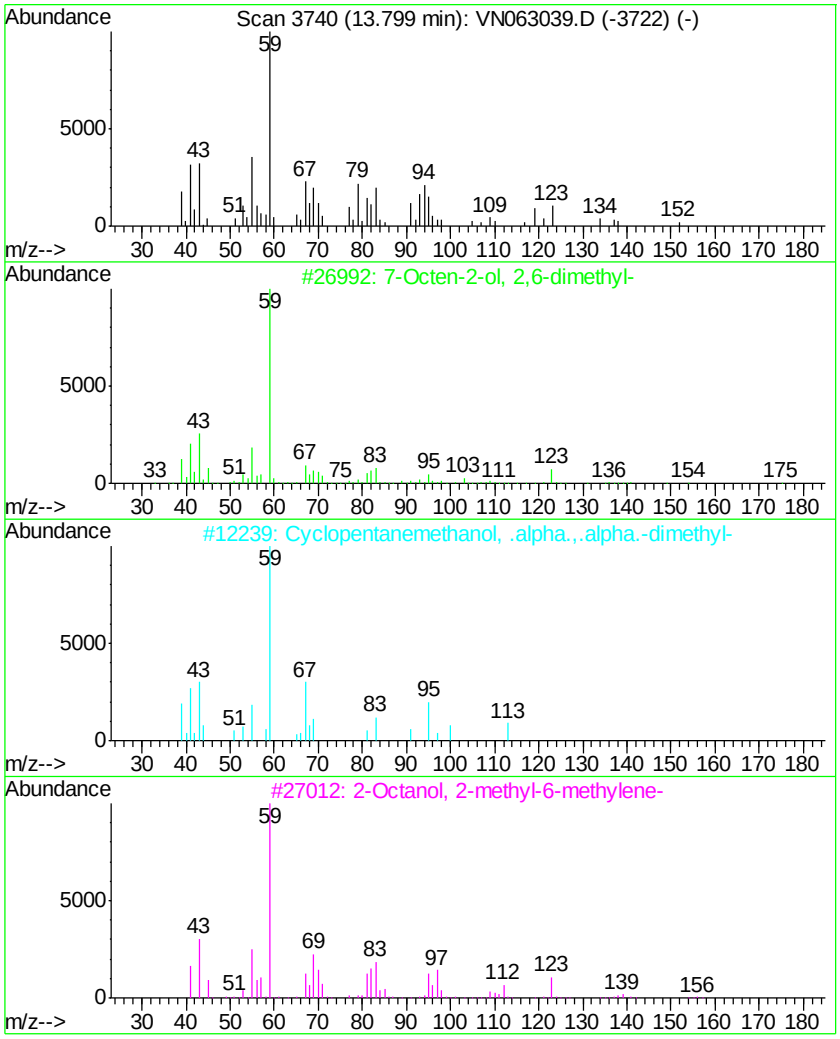
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

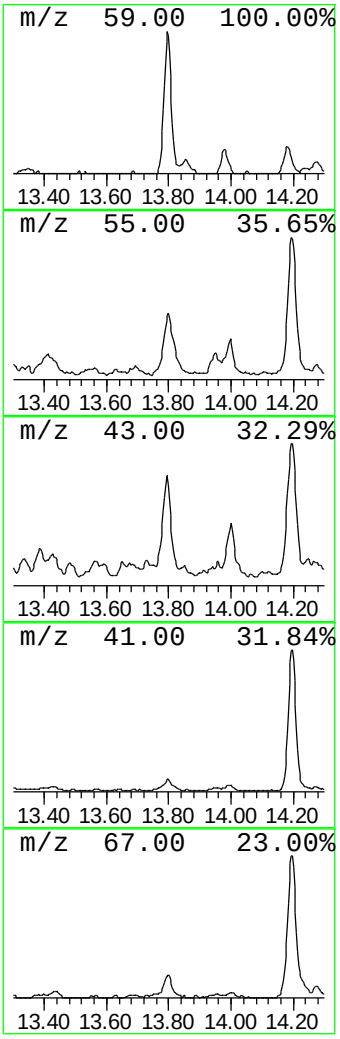
****

Peak Number 4 unknown13.80 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	7.26 ug/l	107950	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	49
2	Cyclopentanemethanol, .alpha.,.a...	128	C8H16O	001462-06-2	47
3	2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	47
4	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	43
5	2-Furanmethanol, 5-ethenyltetrah...	170	C10H18O2	005989-33-3	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

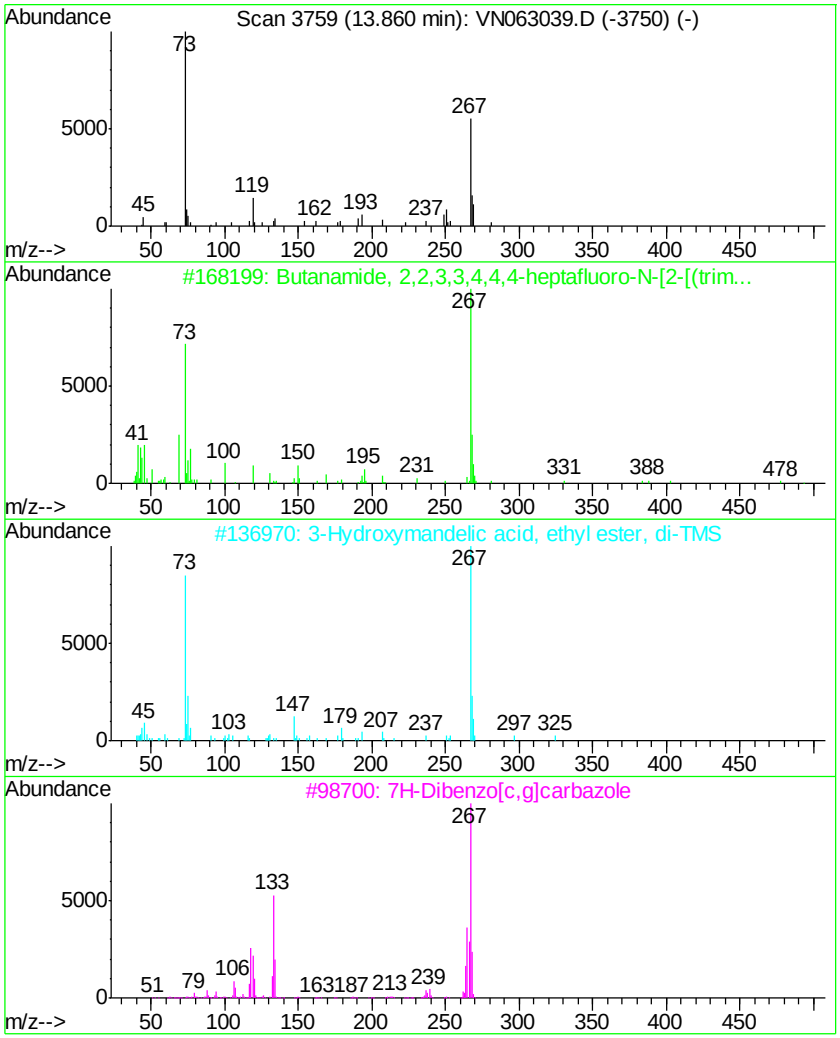
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

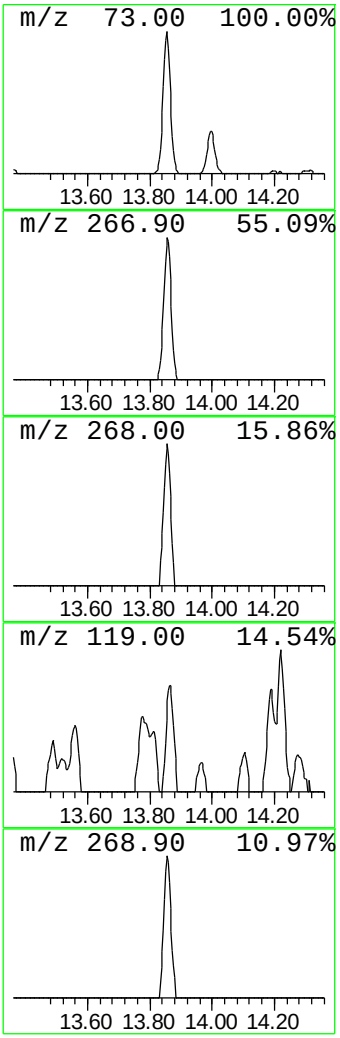
****

Peak Number 5 Butanamide, 2,2,3,3,4,4,4-h... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.40 ug/l	50569	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, 2,2,3,3,4,4,4-heptaf...	493	C18H26F7NO3Si2	055471-01-7	64
2	3-Hydroxymandelic acid, ethyl es...	340	C16H28O4Si2	1000071-88-9	45
3	7H-Dibenzo[c,g]carbazole	267	C20H13N	000194-59-2	43
4	4-Hydroxymandelic acid, ethyl es...	340	C16H28O4Si2	1000071-53-3	38
5	Benzonitrile, 2-(2-hydroxy-5-nit...	267	C14H9N3O3	303768-30-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

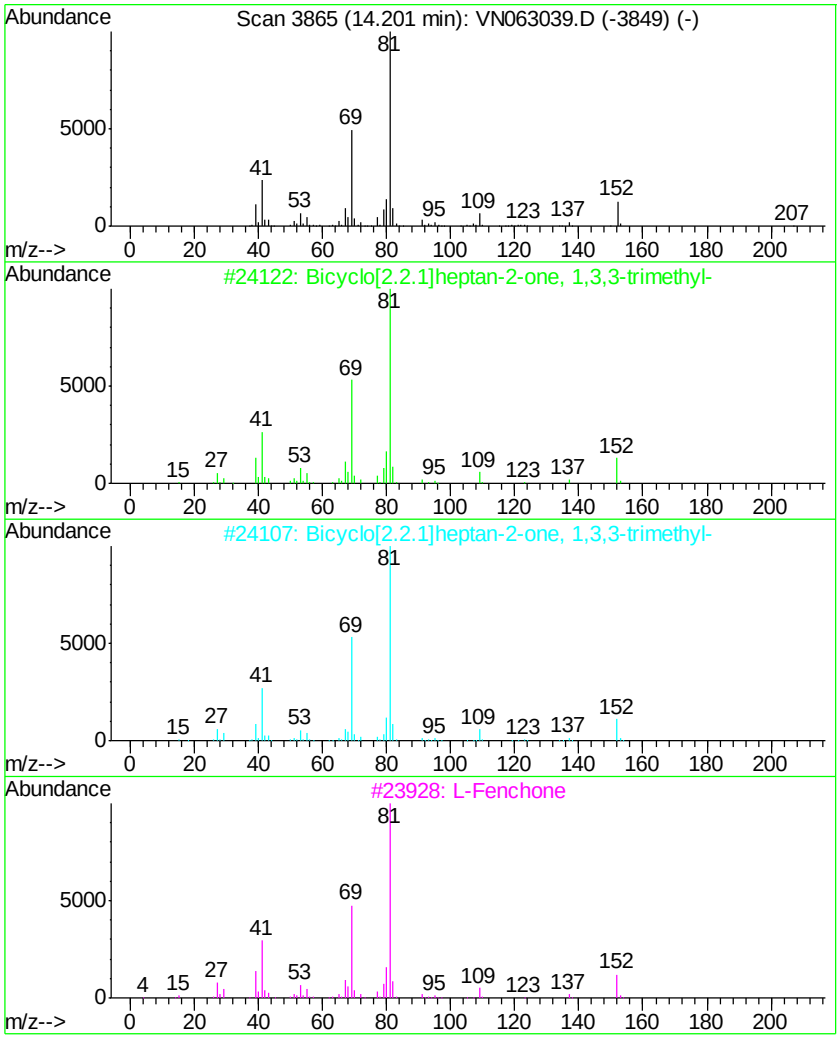
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

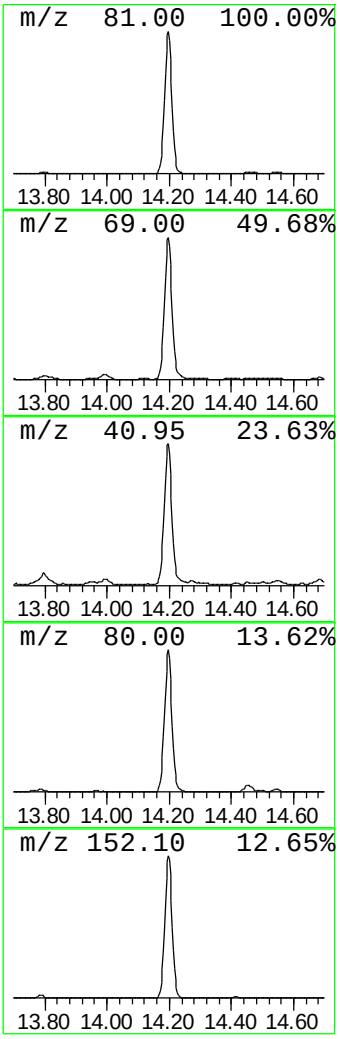
****

Peak Number 6 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	47.97 ug/l	713446	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	95
3	L-Fenchone	152	C10H16O	000126-21-6	94
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	007787-20-4	94
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

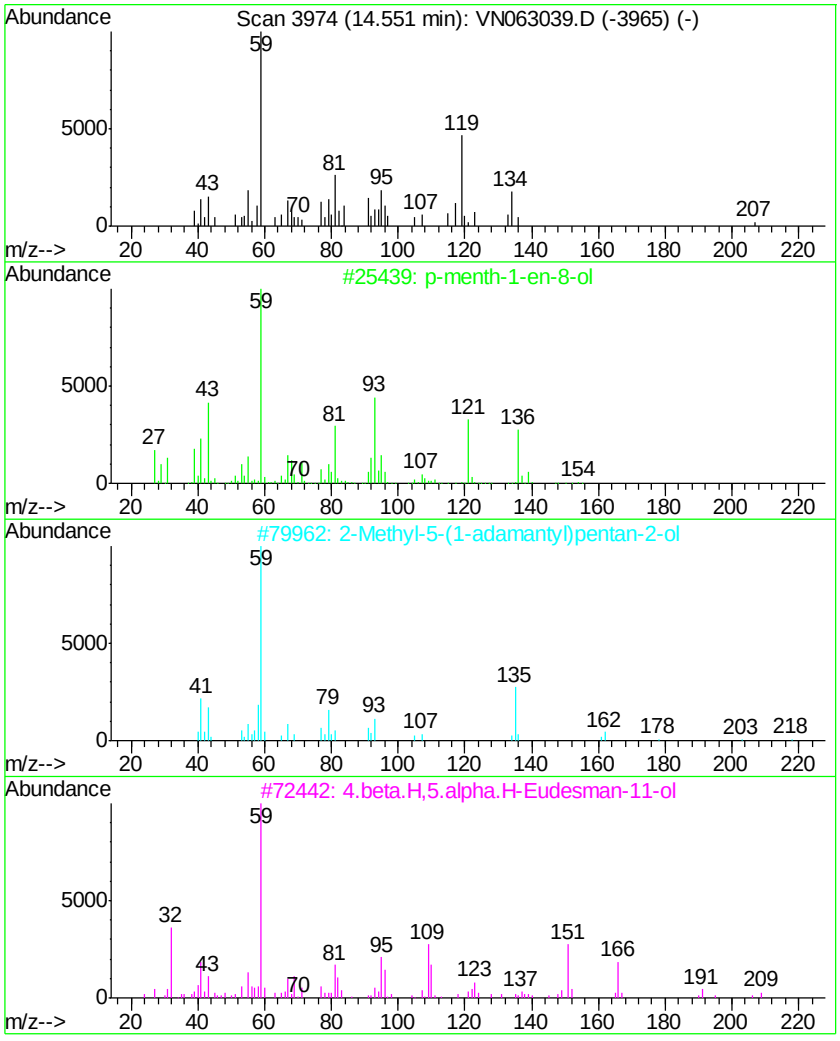
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

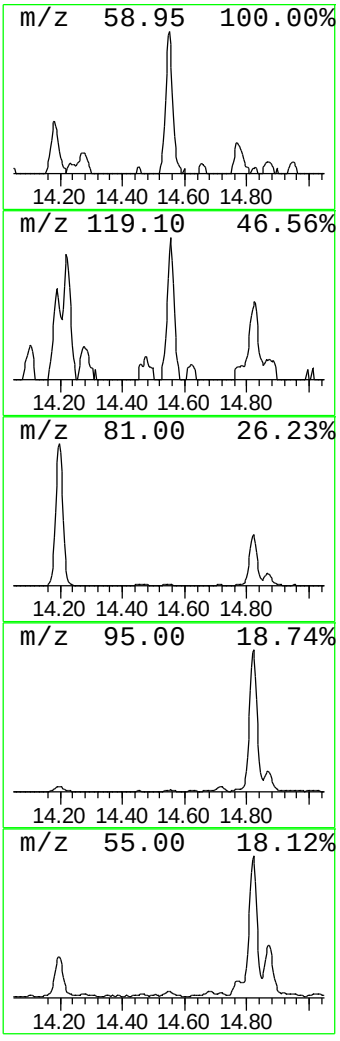
****

Peak Number 7 unknown14.55 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	3.00 ug/l	44647	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-menth-1-en-8-ol	154	C10H18O	1000151-92-4	37
2	2-Methyl-5-(1-adamantyl)pentan-2-ol	236	C16H28O	095477-25-1	25
3	4.beta.H,5.alpha.H-Eudesman-11-ol	224	C15H28O	031756-53-3	25
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	25
5	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

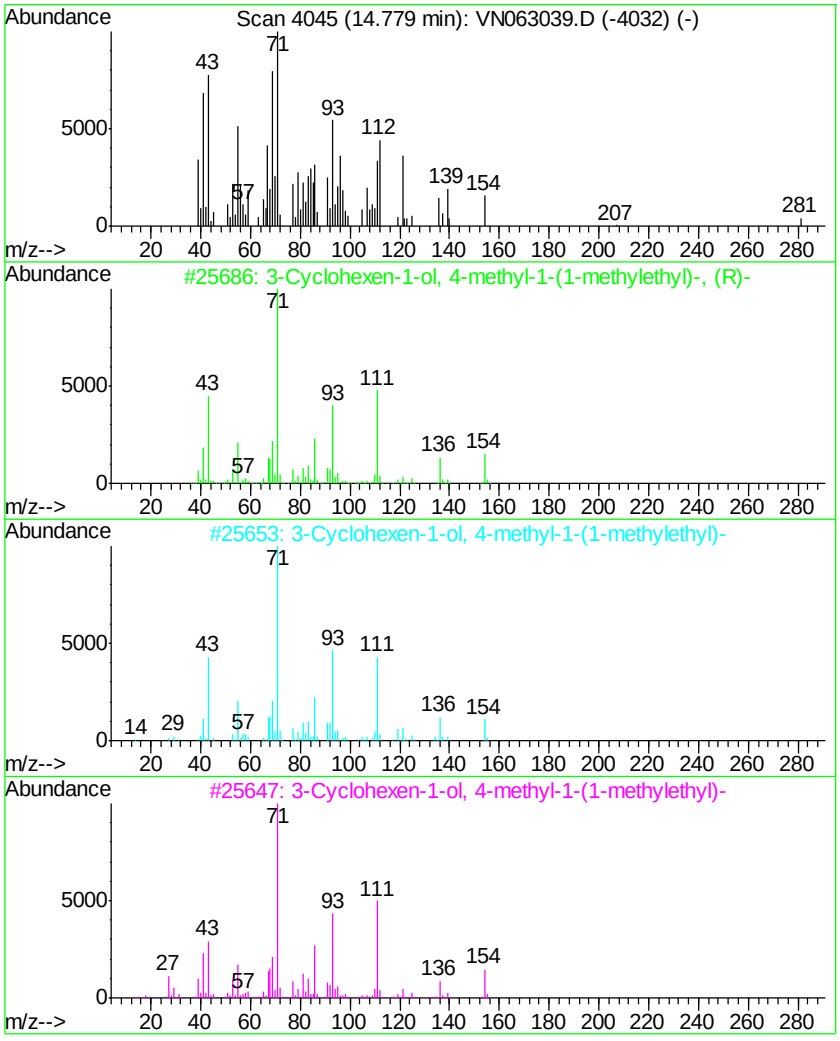
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

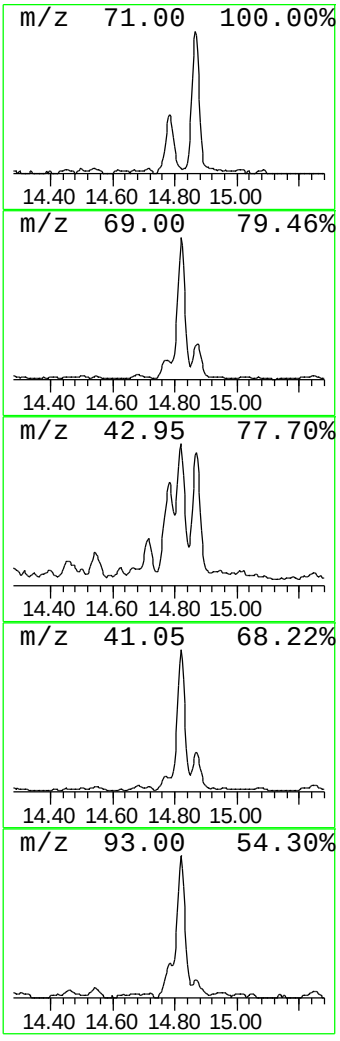
****

Peak Number 8 unknown14.78 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	5.96 ug/l	88702	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	38
2	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	000562-74-3	30
3	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	000562-74-3	30
4	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	000562-74-3	30
5	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

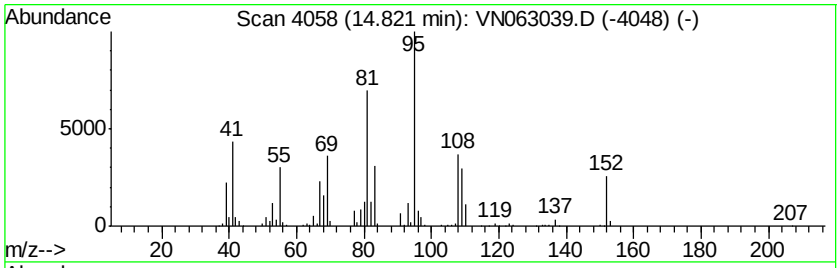
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

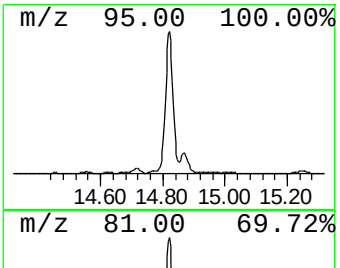
****

Peak Number 9 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	51.25 ug/l	762241	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
2	Camphor	152	C10H16O	000076-22-2	98
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
4	Camphor	152	C10H16O	000076-22-2	98
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

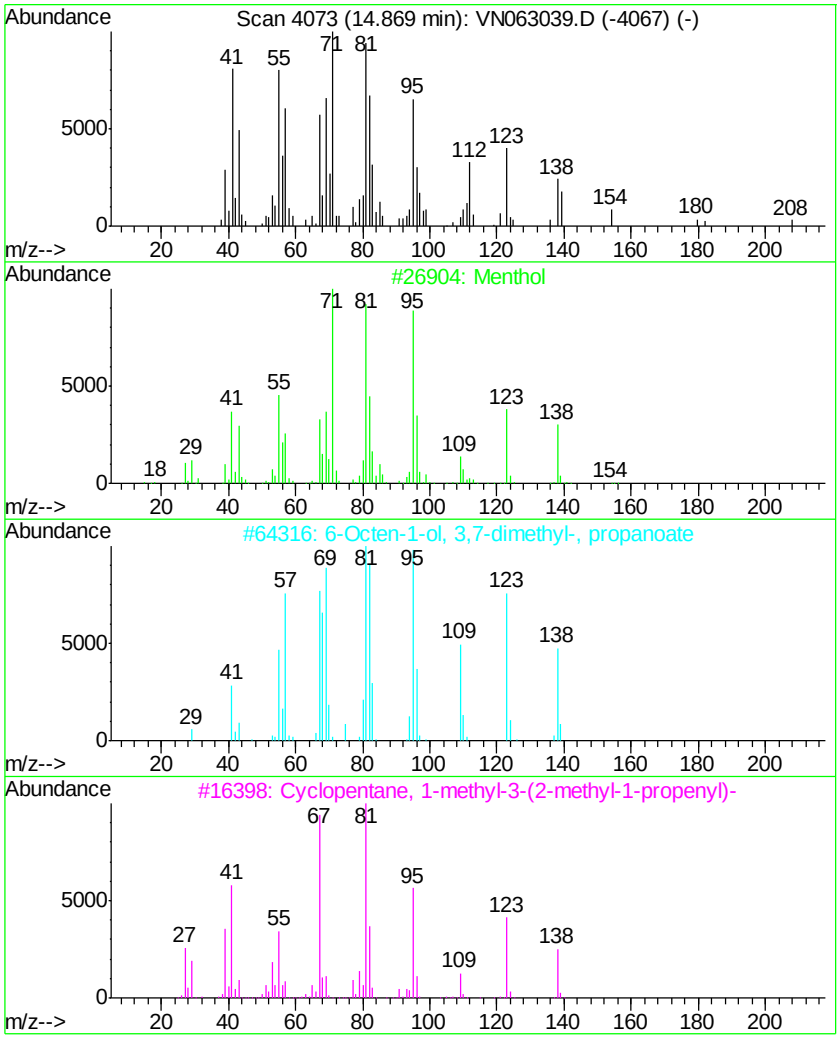
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

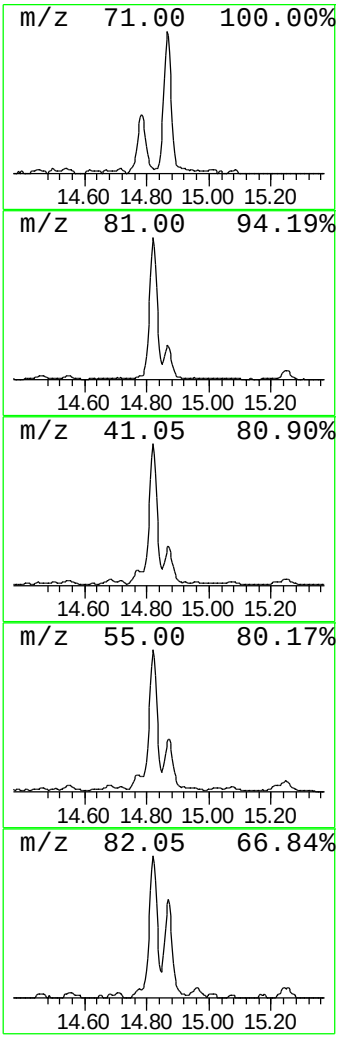
****

Peak Number 10 Menthol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	14.56 ug/l	216497	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Menthol	156	C10H20O	001490-04-6	72
2	6-Octen-1-ol, 3,7-dimethyl-, pro...	212	C13H24O2	000141-14-0	62
3	Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	52
4	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	49
5	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063039.D
Acq On : 20 Aug 2020 16:24
Operator : JC/MD
Sample : L3766-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200819016-02-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Amylene Hydrate	8.10	5.6	ug/l	67828	2	8.55	362548	30.0
3-Pentanone, 2,4-...	10.69	9.9	ug/l	146584	3	11.38	446168	30.0
7-Oxabicyclo[2.2....	13.14	6.0	ug/l	88646	3	11.38	446168	30.0
unknown13.80	13.80	7.3	ug/l	107950	3	11.38	446168	30.0
Butanamide, 2,2,3...	13.86	3.4	ug/l	50569	3	11.38	446168	30.0
Bicyclo[2.2.1]hep...	14.20	48.0	ug/l	713446	3	11.38	446168	30.0
unknown14.55	14.55	3.0	ug/l	44647	3	11.38	446168	30.0
unknown14.78	14.78	6.0	ug/l	88702	3	11.38	446168	30.0
Bicyclo[2.2.1]hep...	14.82	51.3	ug/l	762241	3	11.38	446168	30.0
Menthol	14.87	14.6	ug/l	216497	3	11.38	446168	30.0