LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-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\624N101119W.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	1.979	57	64	75	rVB	311801	414143	4.18%	1.265%
2	3.799	614	630	652	rBV2	83495	222134	2.24%	0.679%
3	4.239	749	767	789	rBV2	34436	112322	1.13%	0.343%
4	4.757	894	928	970	rBV	1906016	6682649	67.39%	20.420%
5	6.802	1534	1564	1616	rBV	3106687	9916851	100.00%	30.303%
6	7.188	1659	1684	1719	rBV	2027337	5724274	57.72%	17.492%
7	8.011	1923	1940	1961	rBV3	256758	681636	6.87%	2.083%
8	8.117	1963	1973	1988	rVB	70037	164892	1.66%	0.504%
9	8.429	2054	2070	2086	rBV2	53775	121652	1.23%	0.372%
10	8.570	2097	2114	2135	rBB	469449	969480	9.78%	2.962%
11	9.374	2352	2364	2373	rBV2	55671	116362	1.17%	0.356%
12	9.976	2535	2551	2567	rBV3	82808	208042	2.10%	0.636%
13	10.085	2572	2585	2597	rBV	736431	1384155	13.96%	4.230%
14	10.149	2598	2605	2610	rVV	63442	108445	1.09%	0.331%
15	10.188	2611	2617	2629	rVB	129353	224140	2.26%	0.685%
16	10.718	2767	2782	2801	rVV	155193	301416	3.04%	0.921%
17	10.844	2811	2821	2849	rVB	45772	140605	1.42%	0.430%
18	11.406	2983	2996	3011	rBV	648057	1163486	11.73%	3.555%
19	11.619	3050	3062	3071	rBV	223223	423418	4.27%	1.294%
20	11.950	3153	3165	3180	rBV	171007	302247	3.05%	0.924%
21	12.403	3279	3306	3322	rBV	574440	1132109	11.42%	3.459%
22	13.043	3496	3505	3518	rVB2	80686	137554	1.39%	0.420%
23	13.168	3533	3544	3554	rBV2	136877	236223	2.38%	0.722%
24	13.374	3599	3608	3618	rVB4	93622	158493	1.60%	0.484%
25	13.824	3738	3748	3758	rBV5	96126	202683	2.04%	0.619%
26	13.885	3759	3767	3780	rVB2	253233	434151	4.38%	1.327%
27	14.229	3861	3874	3890	rBV	371490	684145	6.90%	2.091%
28	14.818	4046	4057	4065	rBV3	90114	181660	1.83%	0.555%
29	14.911	4078	4086	4099	rVB3	108838	176578	1.78%	0.540%

Sum of corrected areas: 32725945

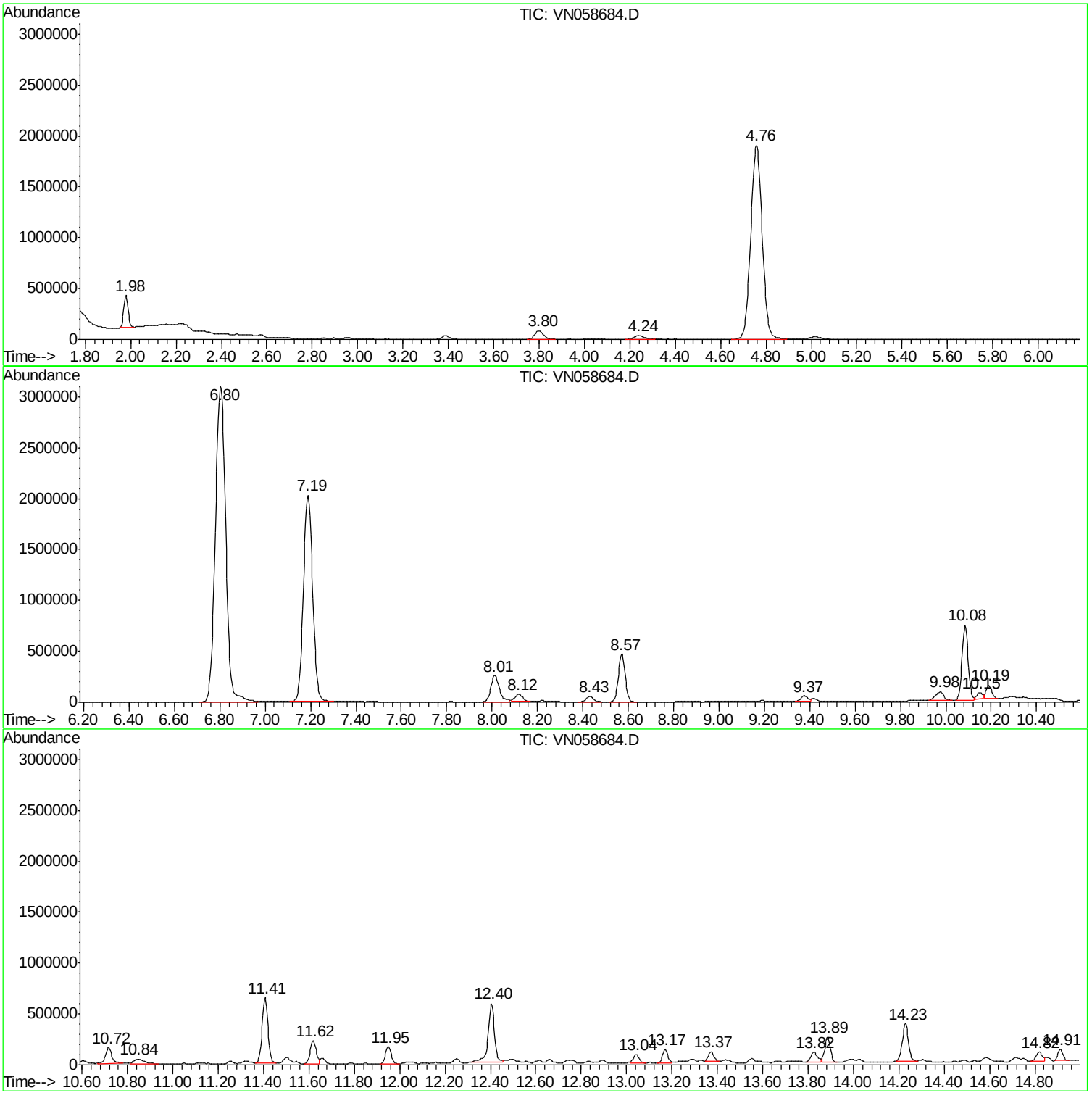
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.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\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

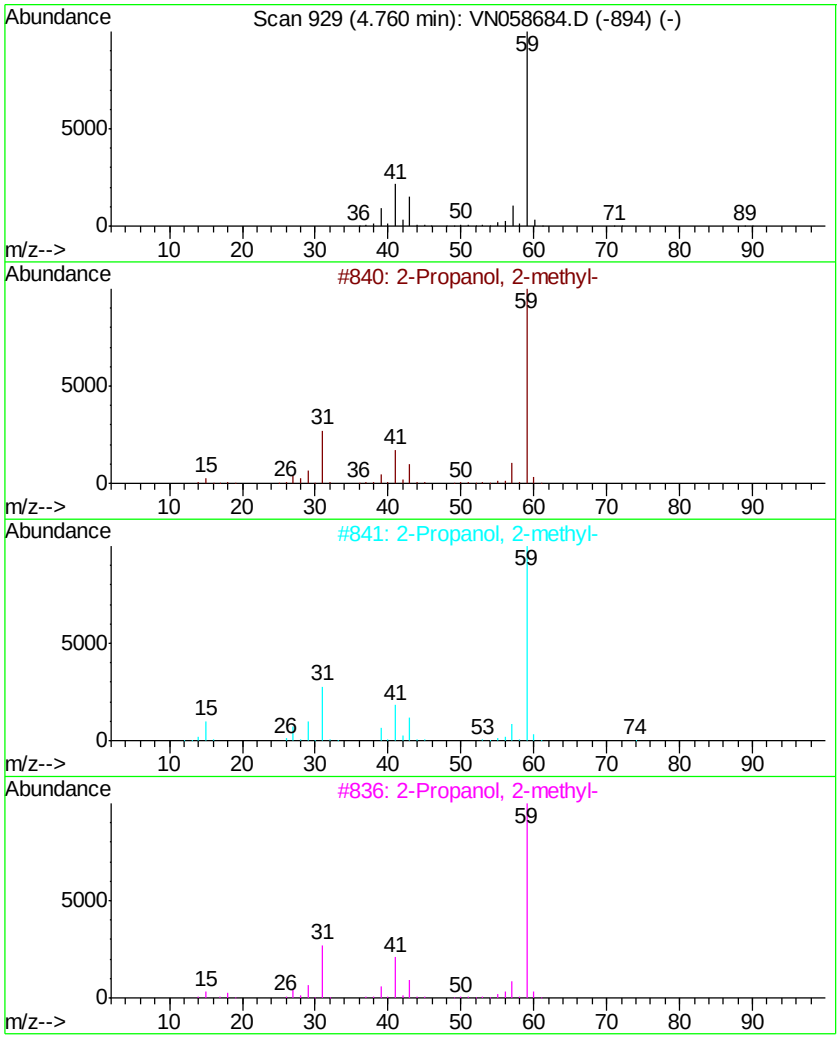
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

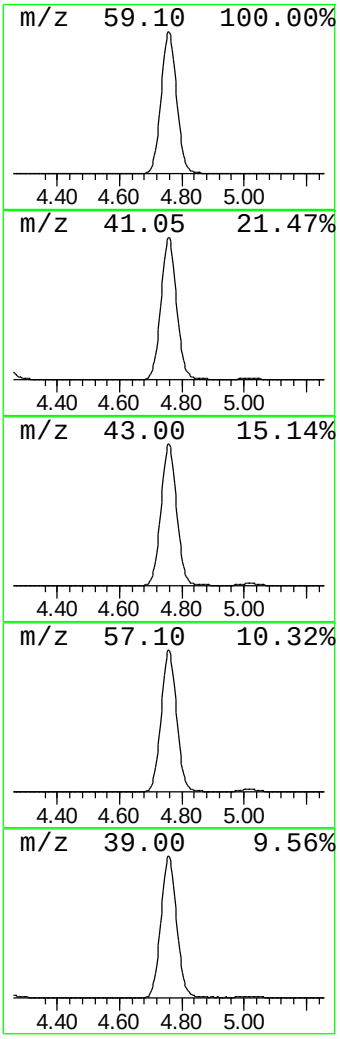
****

Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	35.02 ug/l	6682650	Bromochloromethane	7.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	83
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
4	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	43
5	3-Pentanol	88	C5H12O	000584-02-1	43





Library Search Compound Report

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Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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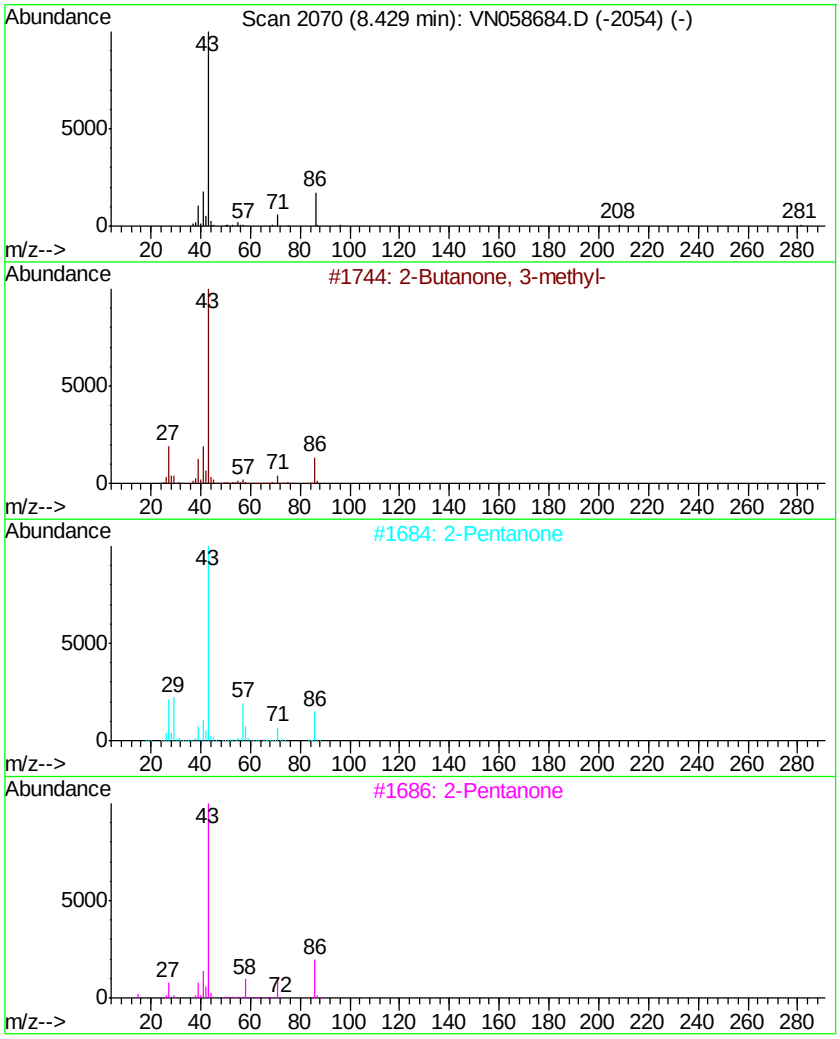
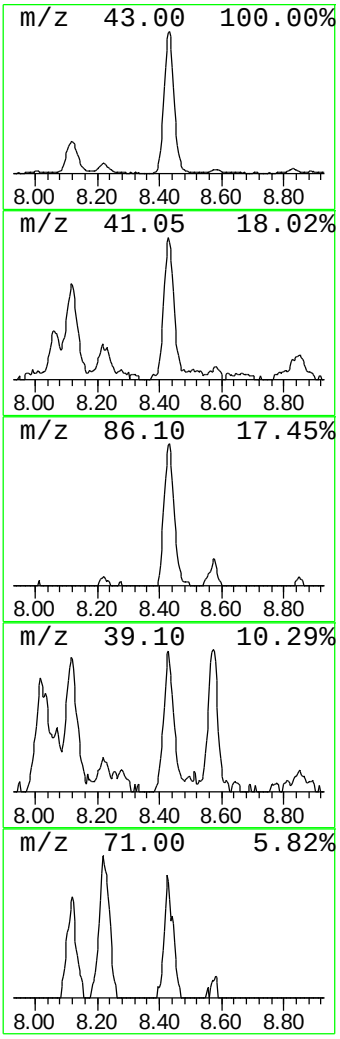
Peak Number 2 2-Butanone, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	3.76 ug/l	121652	1,4-Difluorobenzene	8.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
2	2-Pentanone	86	C5H10O	000107-87-9	59
3	2-Pentanone	86	C5H10O	000107-87-9	58
4	2,3-Butanedione	86	C4H6O2	000431-03-8	50
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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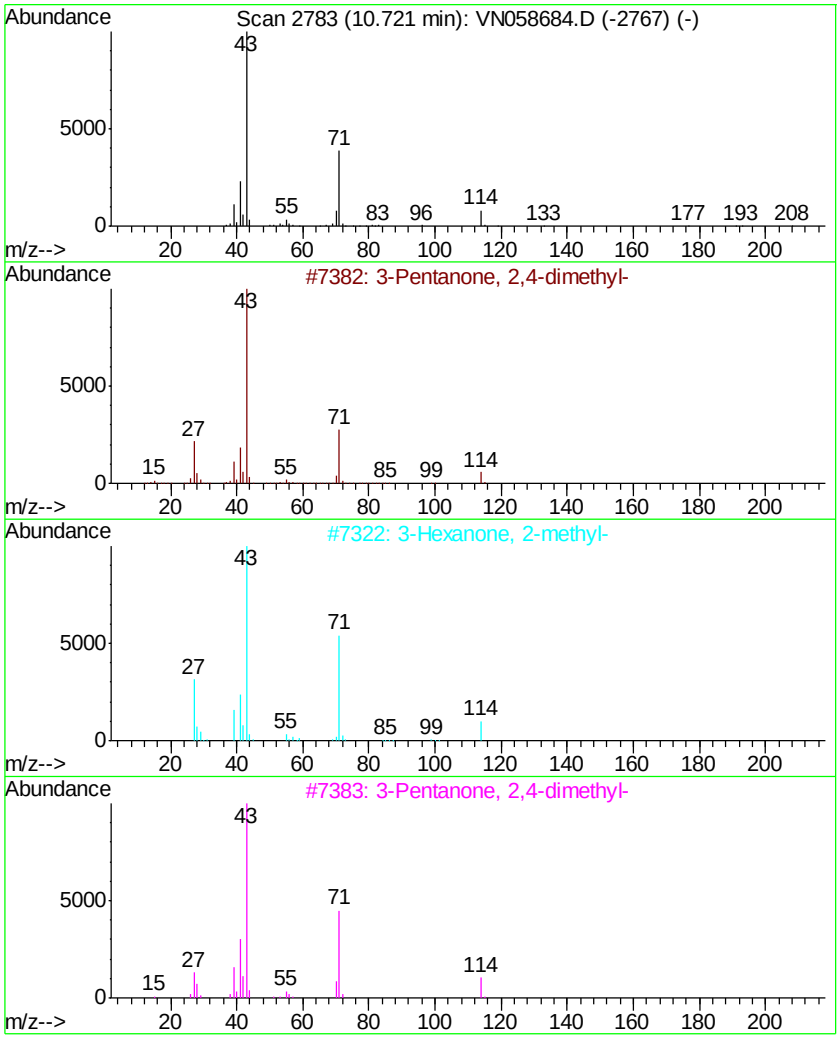
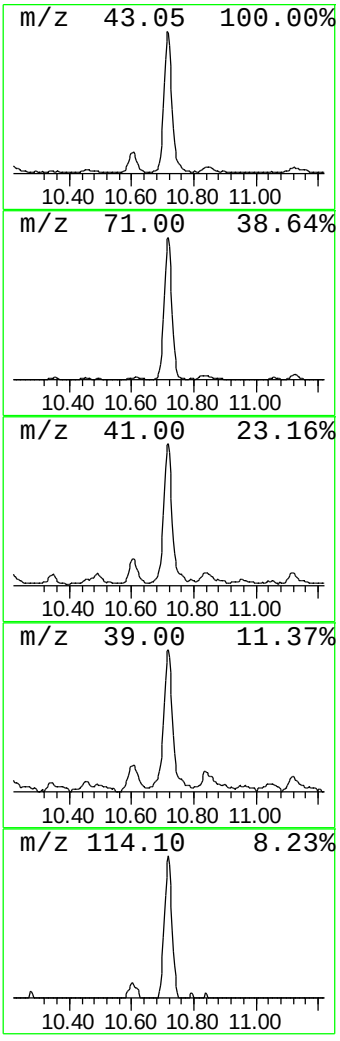
Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	7.77 ug/l	301416	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	80
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64
5	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

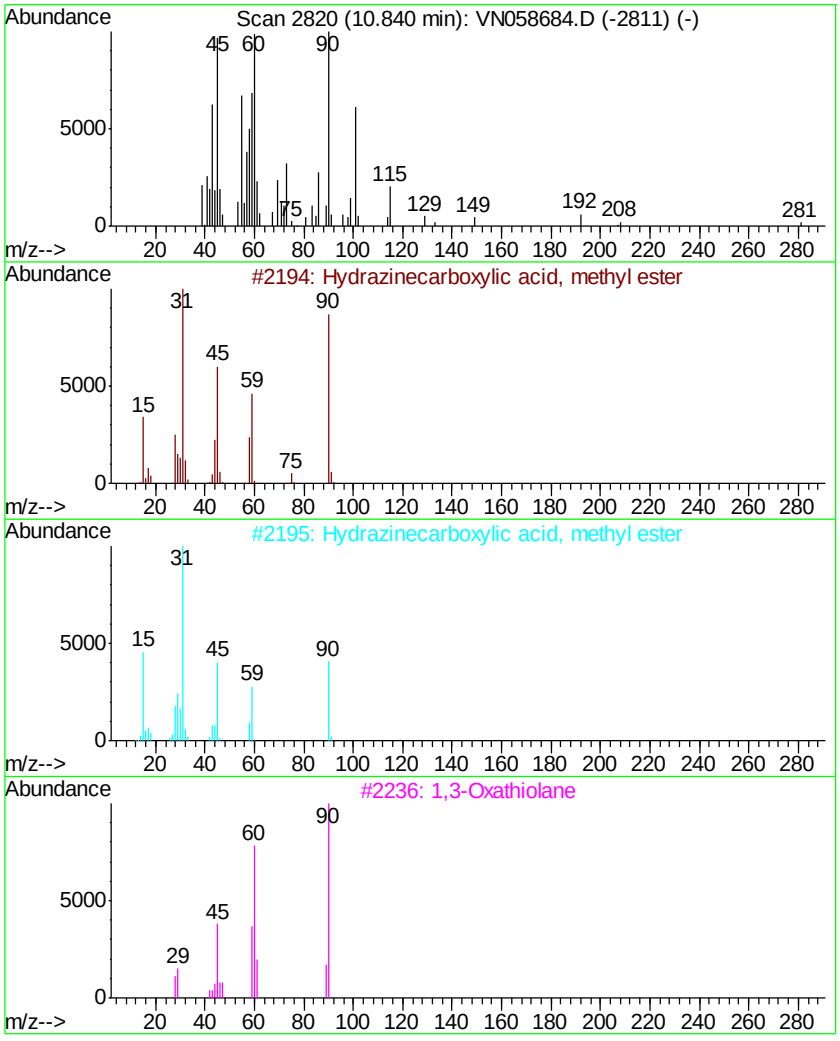
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

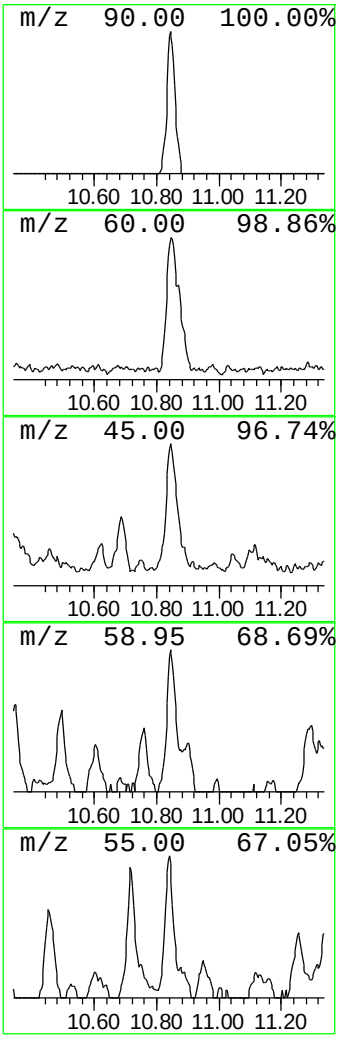
****

Peak Number 4 Hydrazinecarboxylic acid, m... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	3.63 ug/l	140605	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	53
2	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	50
3	1,3-Oxathiolane	90	C3H6OS	002094-97-5	45
4	Heptanoic acid, 2-hydroxy-, meth...	160	C8H16O3	054340-91-9	42
5	2,3-Dihydroxy-2-methylpentanoic ...	148	C6H12O4	1000191-79-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

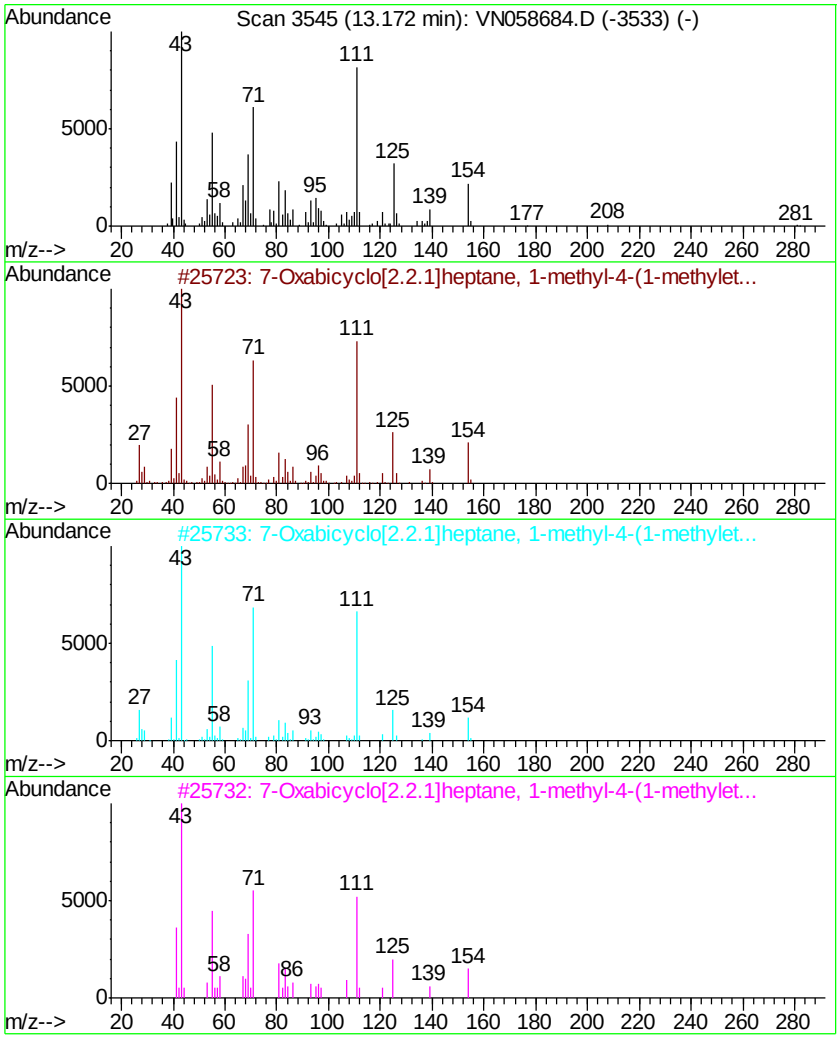
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

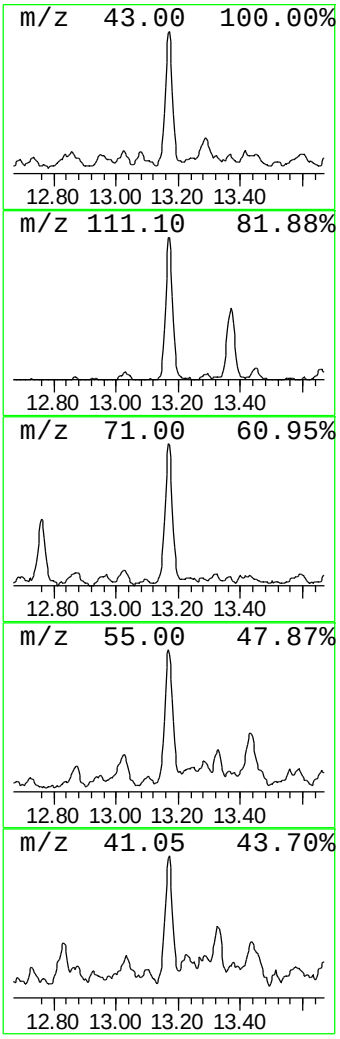
****

Peak Number 5 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	6.09 ug/l	236223	Chlorobenzene-d5	11.41

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	87
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	64
4	4a(2H)-Naphthalenol, octahydro-,...	154	C10H18O	001654-87-1	47
5	2(3H)-Furanone, 5-ethenyldihydro...	126	C7H10O2	001073-11-6	46





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Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

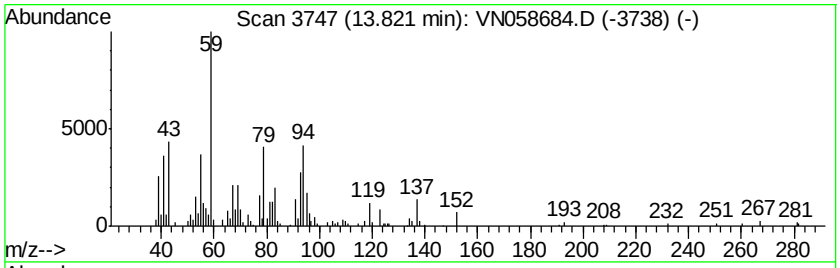
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

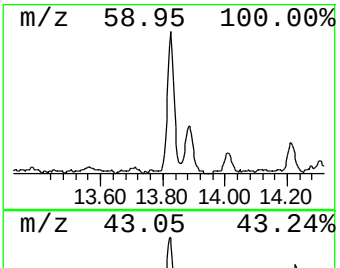
****

Peak Number 6 unknown13.82 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	5.23 ug/l	202683	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Linalool oxide (fr.1)	170	C10H18O2	1000292-84-0	45
2	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	43
3	2-Methyl-5-(1-adamantyl)pentan-2-ol	236	C16H28O	095477-25-1	37
4	2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	37
5	Acetic acid, [4-(1-hydroxy-1-met...	212	C12H20O3	1000197-22-2	37





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Data File : VN058684.D
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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

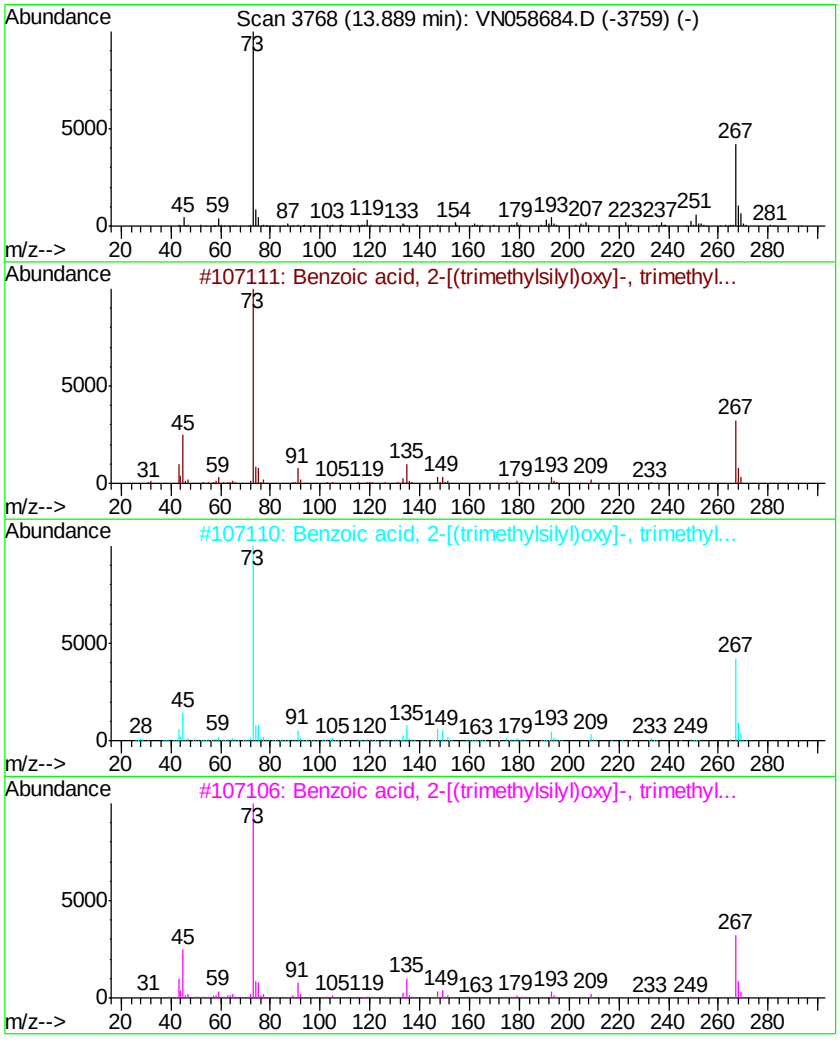
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

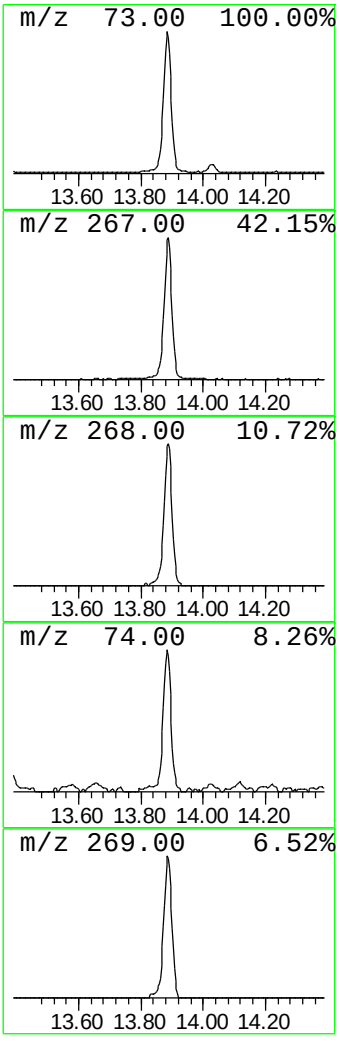
****

Peak Number 7 Benzoic acid, 2-[(trimethyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	11.19 ug/l	434151	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	72
2	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	56
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	56
4	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	50
5	1-Boraindane, 3-methyl-1-[1-(tri...	266	C17H23BSi	190316-36-0	10





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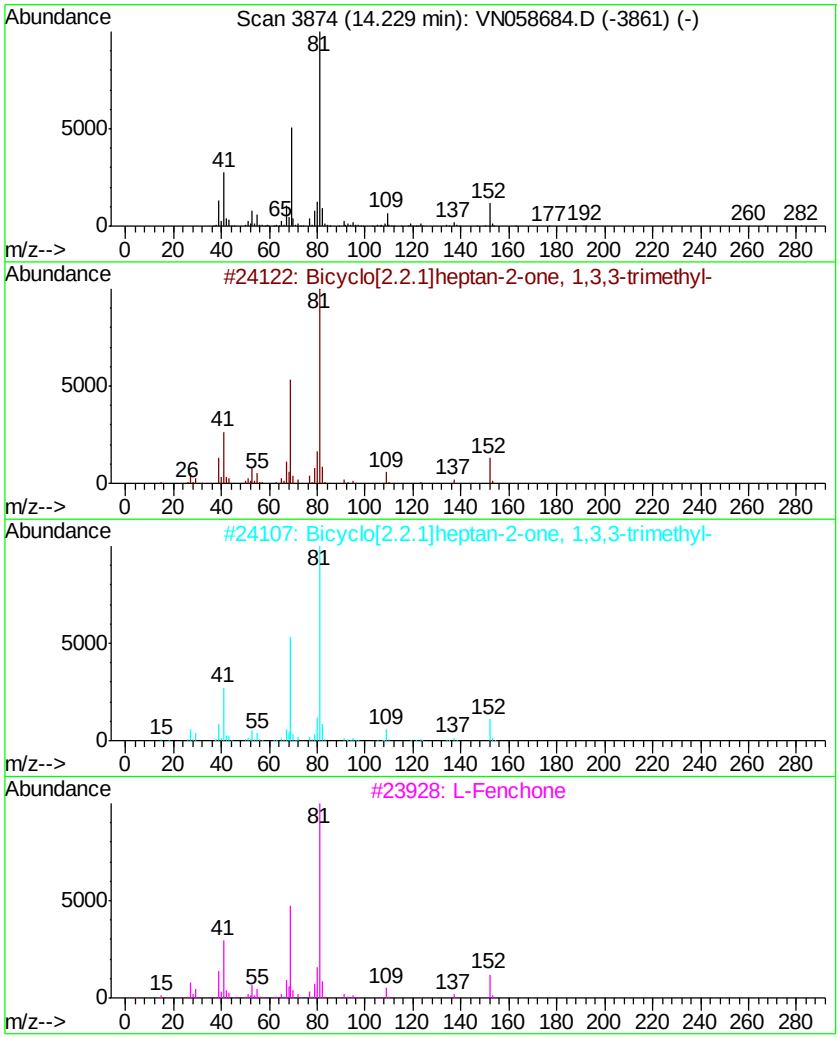
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

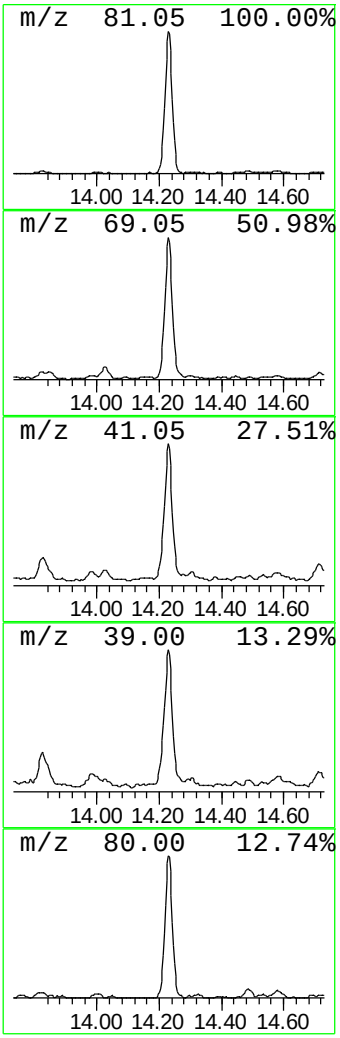
****

Peak Number 8 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	17.64 ug/l	684145	Chlorobenzene-d5	11.41

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	94
3	L-Fenchone	152	C10H16O	000126-21-6	91
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	007787-20-4	91
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

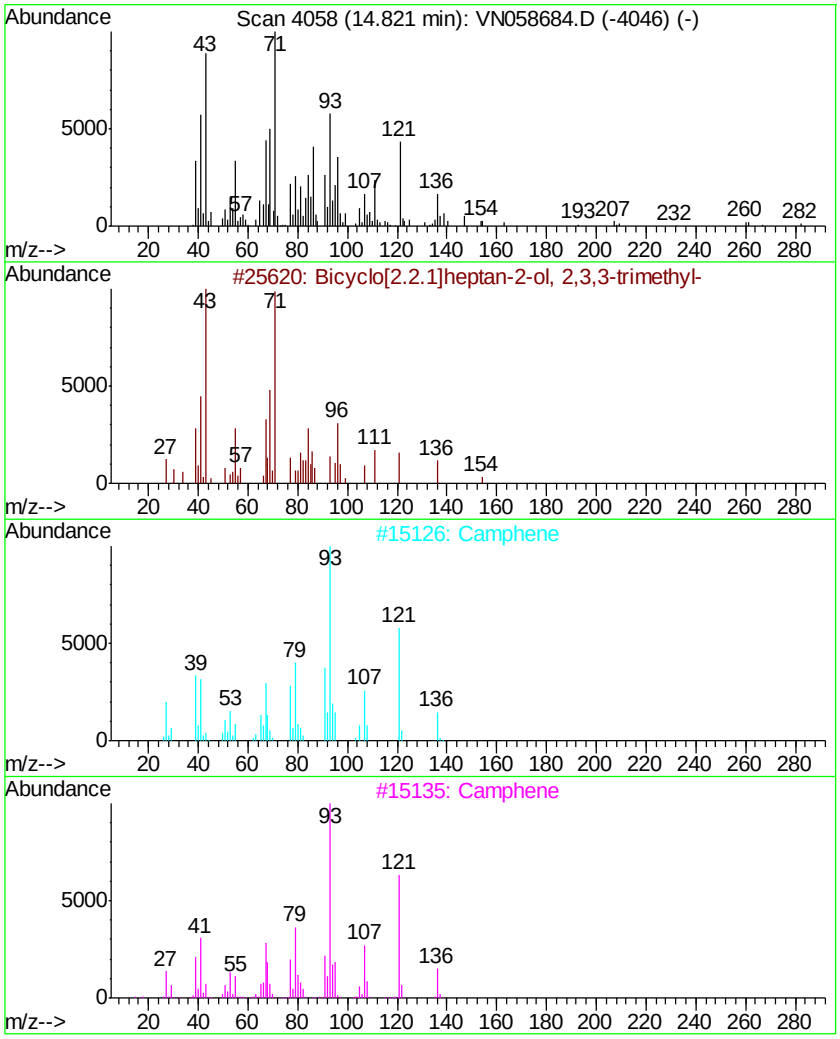
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

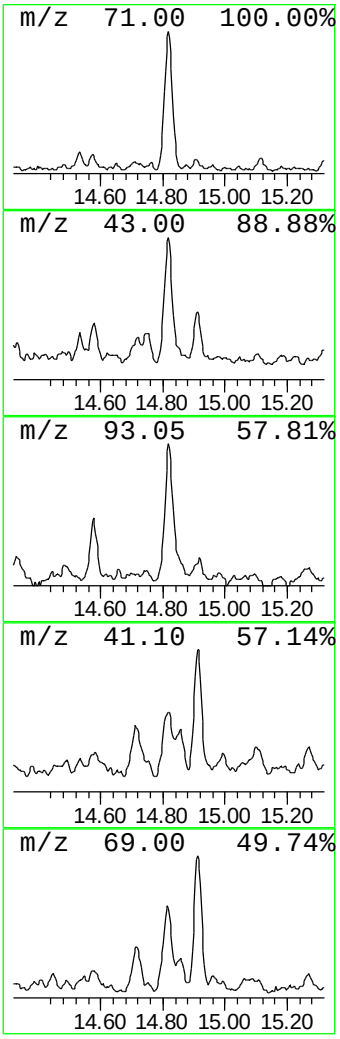
****

Peak Number 9 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	4.68 ug/l	181660	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-ol, 2,3,3...	154	C10H18O	000465-31-6	70
2	Camphene	136	C10H16	000079-92-5	56
3	Camphene	136	C10H16	000079-92-5	53
4	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	38
5	2-Butene, 1-methoxy-, (E)-	86	C5H10O	010034-14-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

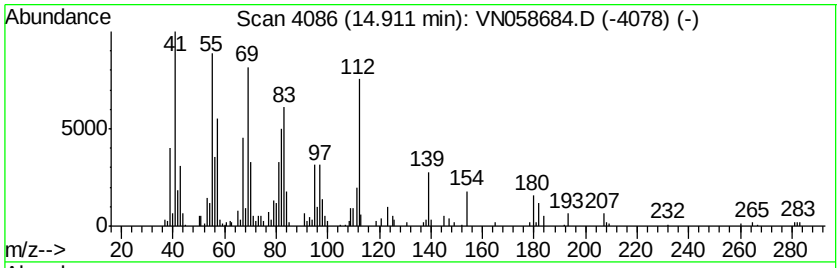
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

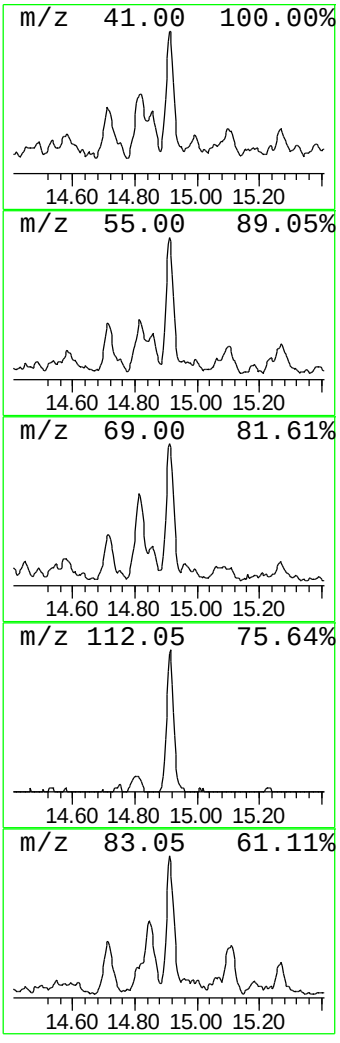
****

Peak Number 10 Cyclohexanone, 5-methyl-2-(... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	4.55 ug/l	176578	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	96
2	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	001196-31-2	96
3	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000089-80-5	93
4	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	001196-31-2	90
5	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058684.D
Acq On : 10 Oct 2019 22:58
Operator : JC/SP
Sample : K5306-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 391009760.2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.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
2-Propanol, 2-met...	4.76	35.0	ug/l	6682650	1	7.17	5724270	30.0
2-Butanone, 3-met...	8.43	3.8	ug/l	121652	2	8.57	969480	30.0
3-Pentanone, 2,4-...	10.72	7.8	ug/l	301416	3	11.41	1163490	30.0
Hydrazinecarboxyl...	10.84	3.6	ug/l	140605	3	11.41	1163490	30.0
7-Oxabicyclo[2.2....	13.17	6.1	ug/l	236223	3	11.41	1163490	30.0
unknown13.82	13.82	5.2	ug/l	202683	3	11.41	1163490	30.0
Benzoic acid, 2-[...	13.89	11.2	ug/l	434151	3	11.41	1163490	30.0
Bicyclo[2.2.1]hep...	14.23	17.6	ug/l	684145	3	11.41	1163490	30.0
Bicyclo[2.2.1]hep...	14.82	4.7	ug/l	181660	3	11.41	1163490	30.0
Cyclohexanone, 5-...	14.91	4.5	ug/l	176578	3	11.41	1163490	30.0