LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-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_X\METHOD\624X090420W.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	2.416	212	218	230	rBV	423290	730741	6.40%	1.583%
2	3.008	305	315	333	rBV	4302097	9408566	82.46%	20.384%
3	4.660	566	586	599	rBV2	3422330	11410125	100.00%	24.721%
4	4.983	628	639	647	rBV2	172125	492806	4.32%	1.068%
5	5.087	647	656	679	rVB	1089619	3284048	28.78%	7.115%
6	6.031	801	811	819	rBV2	183584	471721	4.13%	1.022%
7	6.300	849	855	866	rVB2	77310	217698	1.91%	0.472%
8	6.830	931	942	957	rBV2	386112	940880	8.25%	2.038%
9	8.696	1240	1248	1254	rBV	802202	1229299	10.77%	2.663%
10	8.763	1254	1259	1268	rVB2	143594	241553	2.12%	0.523%
11	8.848	1268	1273	1279	rBV	108501	178386	1.56%	0.386%
12	9.421	1359	1367	1372	rBV	378051	543721	4.77%	1.178%
13	10.098	1467	1478	1489	rBV	857139	1378098	12.08%	2.986%
14	10.238	1496	1501	1508	rBV2	86781	185647	1.63%	0.402%
15	10.342	1510	1518	1524	rVV	316587	459246	4.02%	0.995%
16	10.683	1569	1574	1586	rVB	207267	278902	2.44%	0.604%
17	11.122	1640	1646	1651	rBV	718912	952528	8.35%	2.064%
18	11.543	1711	1715	1721	rVB2	99905	142569	1.25%	0.309%
19	11.793	1745	1756	1760	rBV	109247	179459	1.57%	0.389%
20	11.927	1770	1778	1785	rVB	156257	228842	2.01%	0.496%
21	12.049	1794	1798	1801	rBV	153393	212374	1.86%	0.460%
22	12.079	1801	1803	1807	rVB	136103	145885	1.28%	0.316%
23	12.140	1807	1813	1817	rBV2	281426	431371	3.78%	0.935%
24	12.280	1833	1836	1842	rVV	123125	184327	1.62%	0.399%
25	12.561	1878	1882	1888	rBV4	78362	162142	1.42%	0.351%
26	12.616	1888	1891	1895	rVB	184861	198273	1.74%	0.430%
27	12.799	1916	1921	1926	rVB	196090	282332	2.47%	0.612%
28	12.945	1933	1945	1950	rBV	2153336	2756423	24.16%	5.972%
29	13.000	1950	1954	1958	rVB5	112858	175112	1.53%	0.379%
30	13.250	1991	1995	2001	rVV5	77640	131005	1.15%	0.284%
31	13.329	2002	2008	2012	rVV3	88472	143796	1.26%	0.312%
32	13.378	2012	2016	2020	rVV	255952	353751	3.10%	0.766%
33	13.463	2026	2030	2034	rVV3	103160	148596	1.30%	0.322%
34	13.518	2034	2039	2040	rVV2	320727	408255	3.58%	0.885%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-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_X\METHOD\624X090420W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	13.548	2040	2044	2050	rVB	2599117	3414990	29.93%	7.399%
36	13.628	2052	2057	2067	rBV3	907769	1257309	11.02%	2.724%
37	13.768	2076	2080	2084	rBV3	233302	295075	2.59%	0.639%
38	13.817	2084	2088	2095	rVB	1243847	1514985	13.28%	3.282%
39	13.963	2107	2112	2113	rBV3	74640	120251	1.05%	0.261%
40	14.134	2134	2140	2146	rBV	417745	574092	5.03%	1.244%
41	14.676	2225	2229	2233	rBV	114343	138852	1.22%	0.301%
42	14.823	2246	2253	2258	rVB	109774	151943	1.33%	0.329%

Sum of corrected areas: 46155974

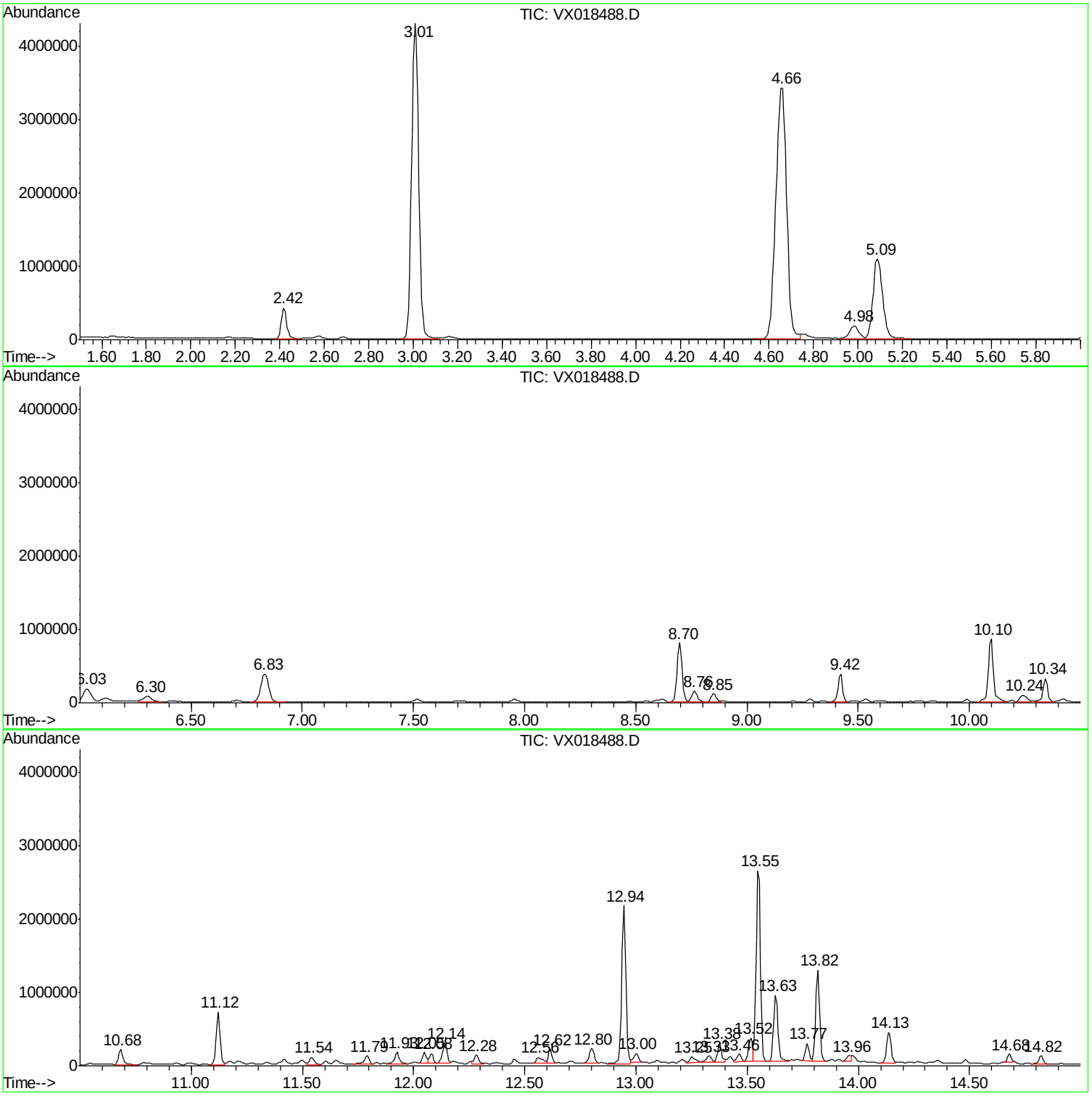
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

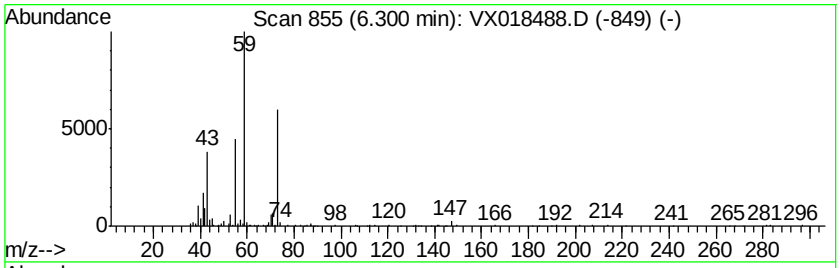
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

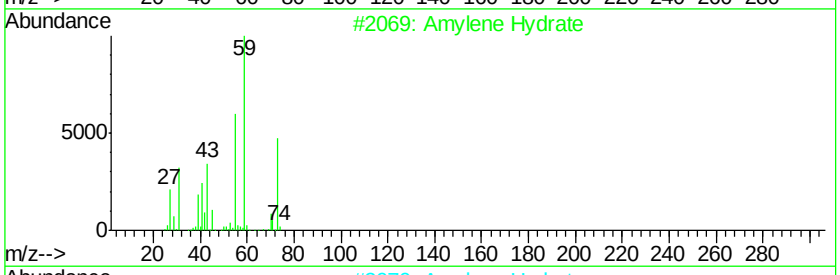
****

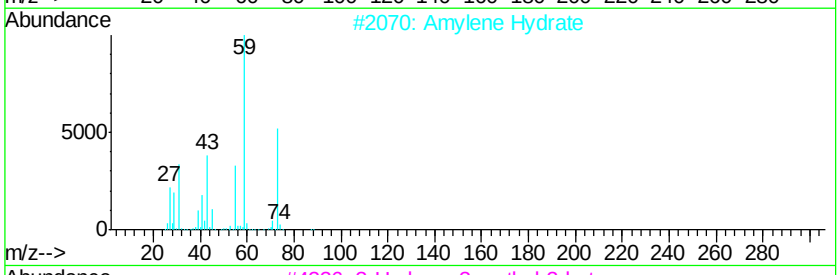
Peak Number 2 Amylene Hydrate Concentration Rank 10

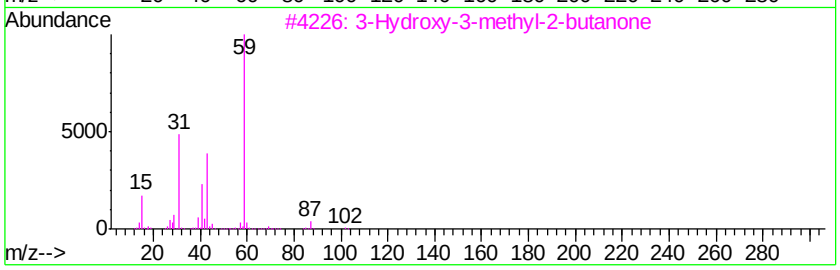
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	6.94 ug/l	217698	1,4-Difluorobenzene	6.83

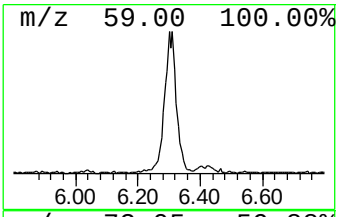
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	74
2	Amylene Hydrate	88	C5H12O	000075-85-4	56
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	42
4	Amylene Hydrate	88	C5H12O	000075-85-4	38
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	36

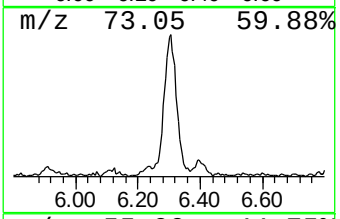


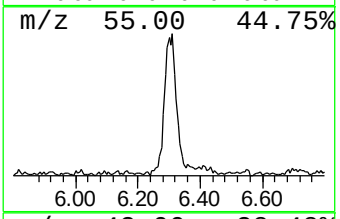


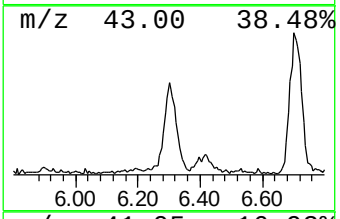


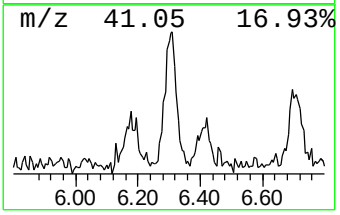












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

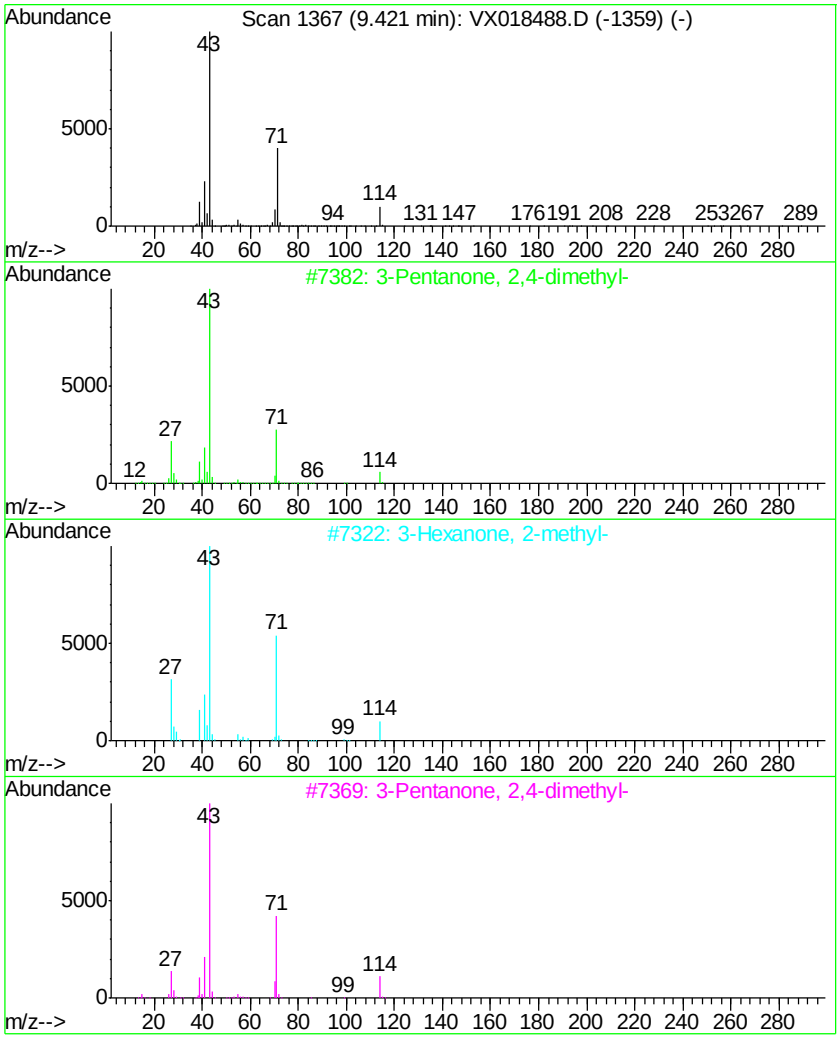
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

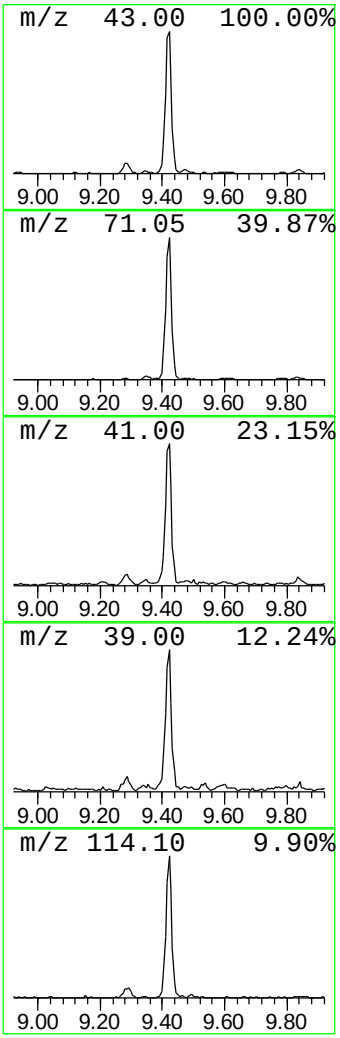
****

Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	11.84 ug/l	543721	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	80
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	74
4	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	58
5	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

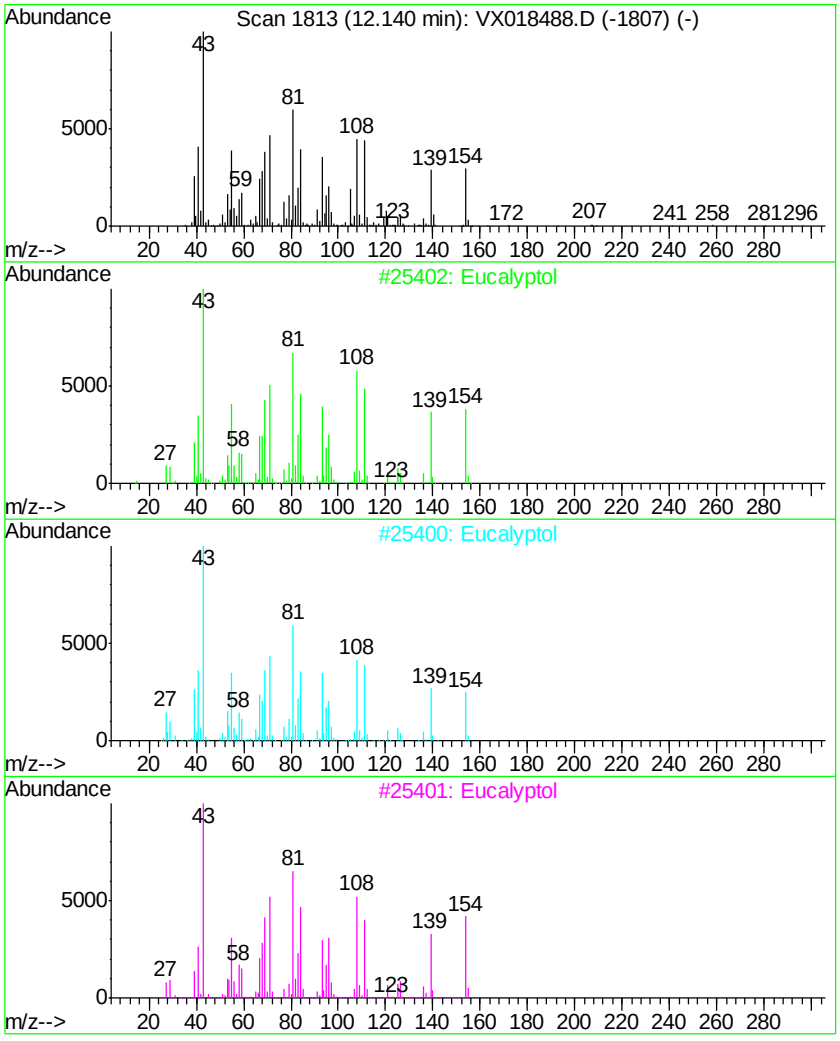
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

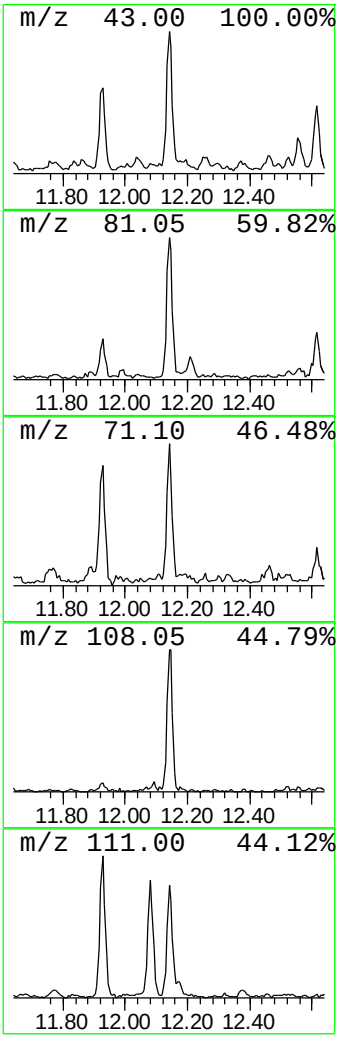
****

Peak Number 4 Eucalyptol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	9.39 ug/l	431371	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	98
2	Eucalyptol	154	C10H18O	000470-82-6	97
3	Eucalyptol	154	C10H18O	000470-82-6	94
4	Eucalyptol	154	C10H18O	000470-82-6	93
5	Eucalyptol	154	C10H18O	000470-82-6	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

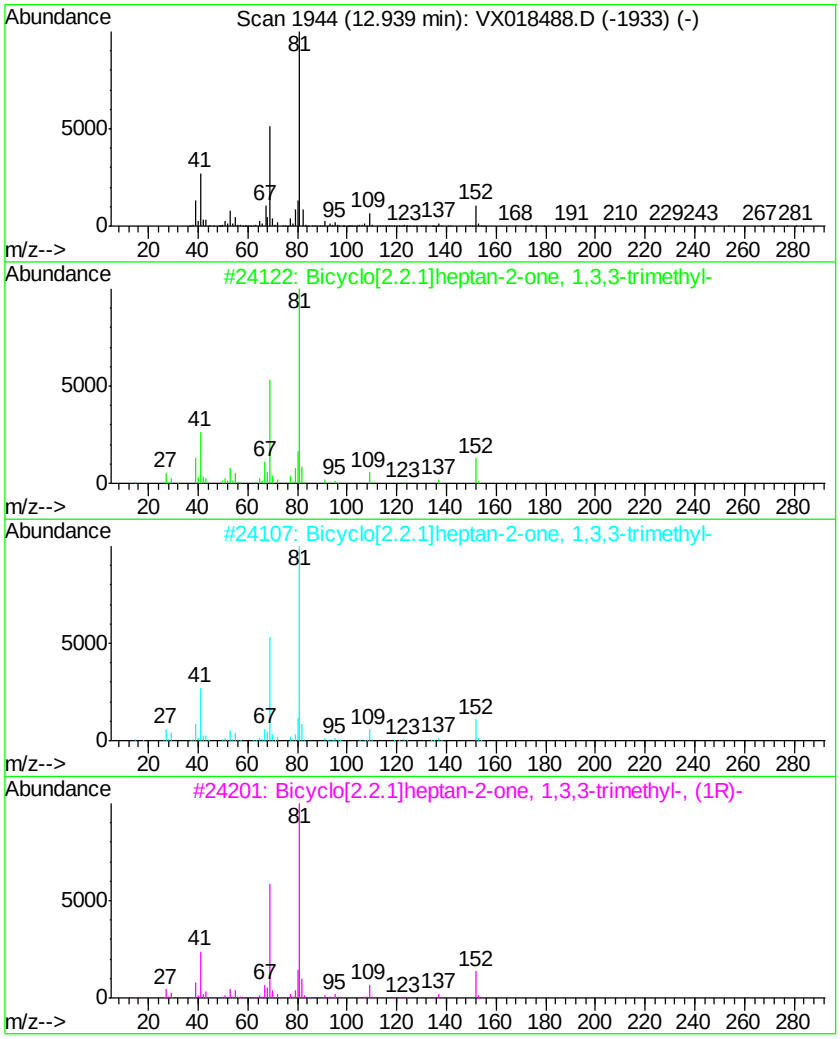
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

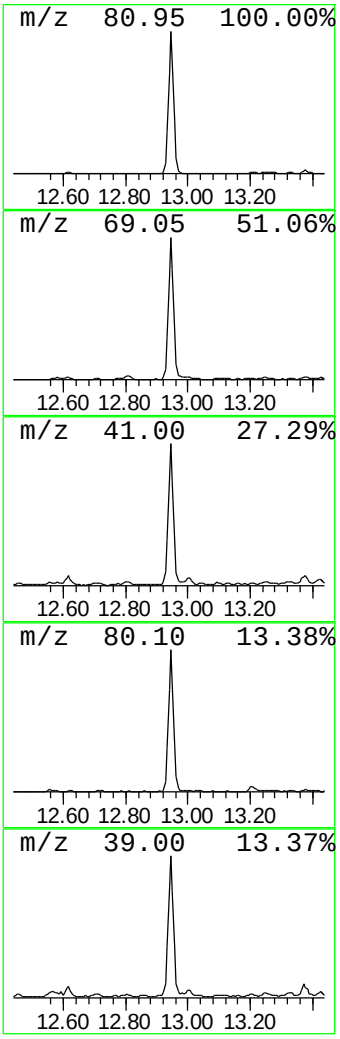
****

Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	60.00 ug/l	2756420	Chlorobenzene-d5	10.10

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	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	007787-20-4	94
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	94
5	L-Fenchone	152	C10H16O	000126-21-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

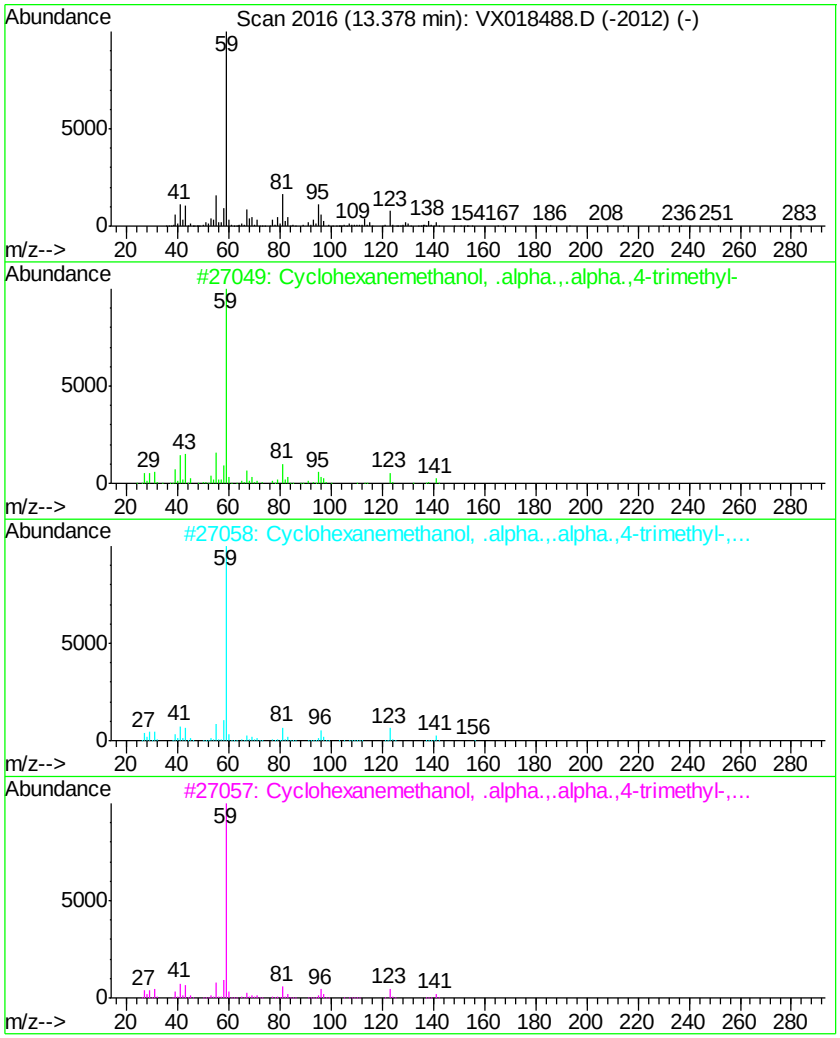
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

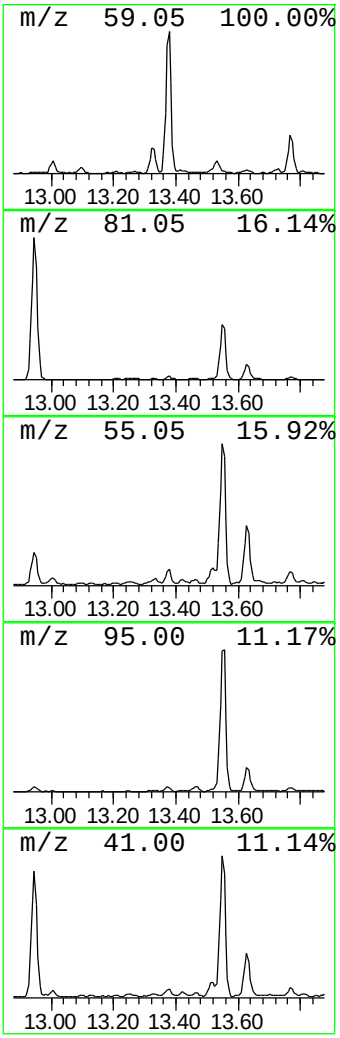
****

Peak Number 6 Cyclohexanemethanol, .alpha... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	7.70 ug/l	353751	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	78
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	72
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	72
4	Butane, 2-methoxy-3-methyl-	102	C6H14O	062016-49-3	53
5	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

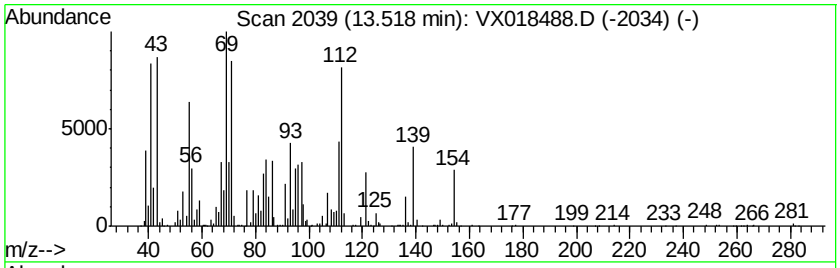
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

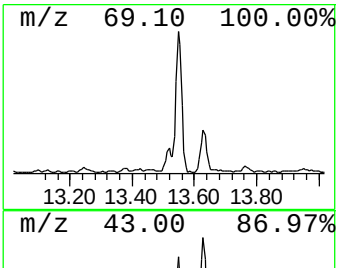
****

Peak Number 7 Cyclohexanone, 5-methyl-2-(... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	8.89 ug/l	408255	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000089-80-5	60
2	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	001196-31-2	53
3	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	49
4	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	49
5	7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

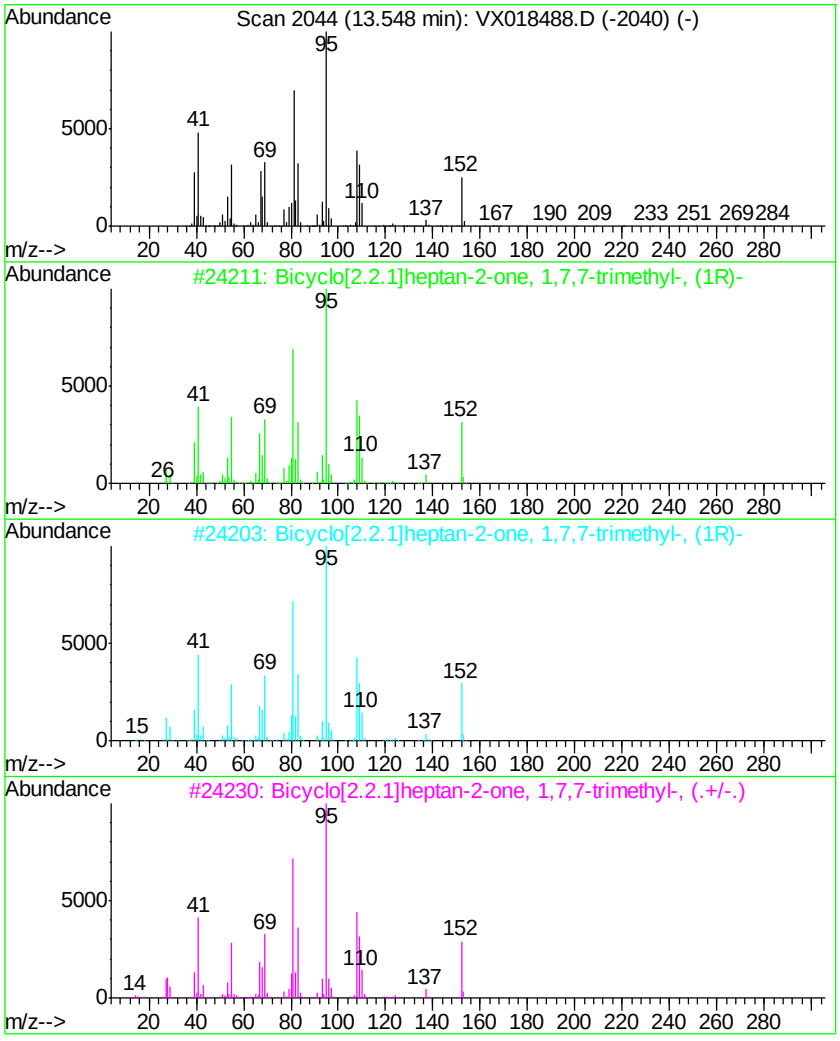
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

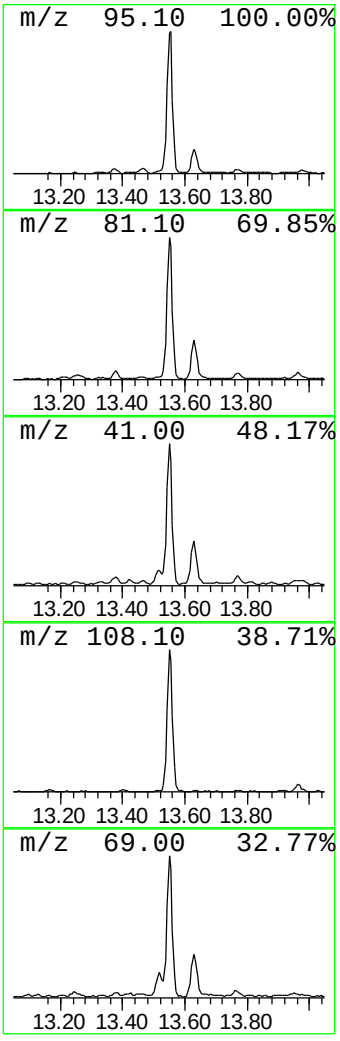
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	74.34 ug/l	3414990	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	97
4	Camphor	152	C10H16O	000076-22-2	97
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_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

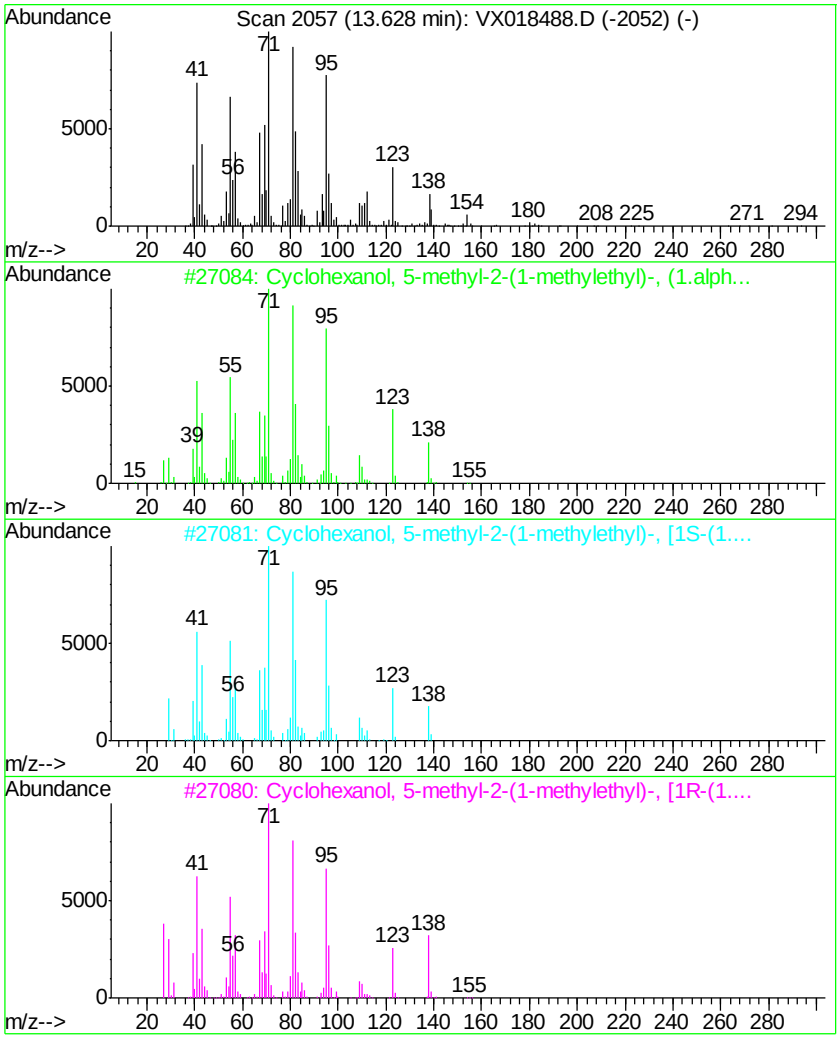
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

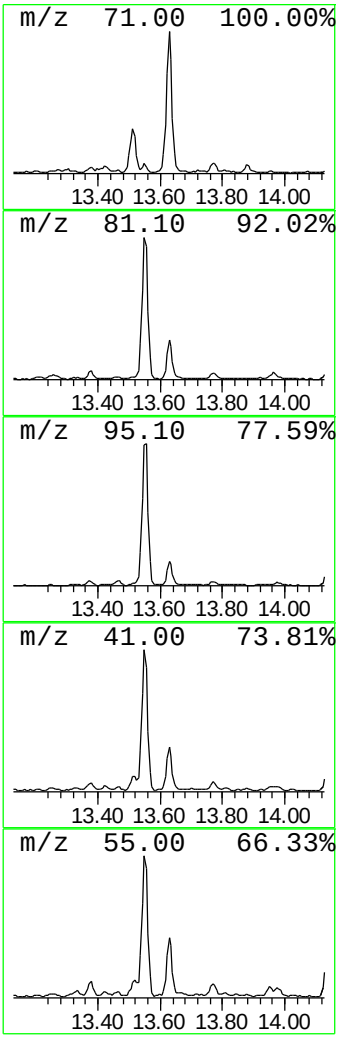
****

Peak Number 9 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	27.37 ug/l	1257310	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	91
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	91
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-51-5	90
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	87
5	Menthol	156	C10H20O	001490-04-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

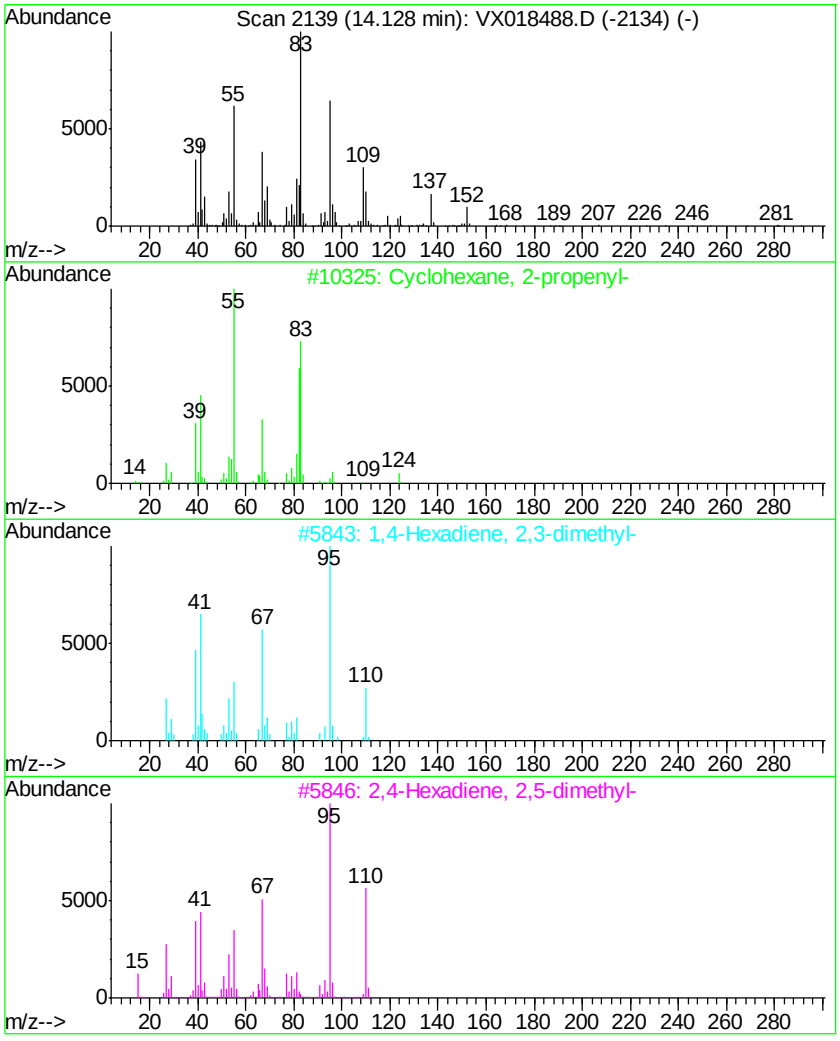
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

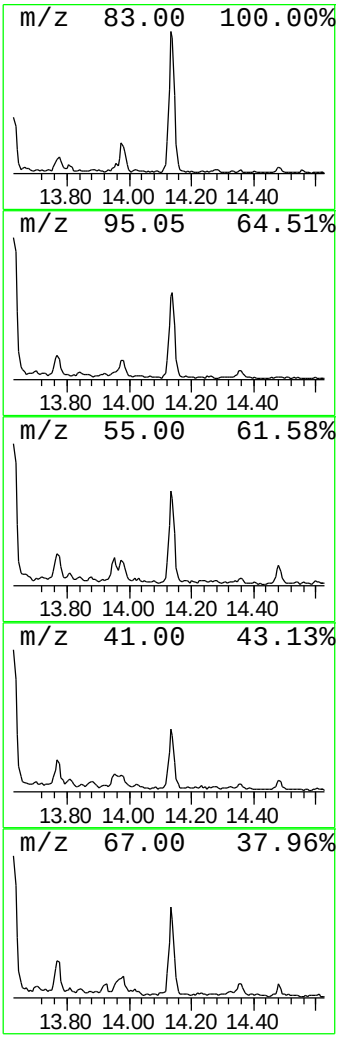
****

Peak Number 10 unknown14.13 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	12.50 ug/l	574092	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43
2	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	38
3	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	38
4	trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	30
5	2-Cyclohexen-1-one, 4-ethyl-3,4-...	152	C10H16O	017622-46-7	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091820\
Data File : VX018488.D
Acq On : 18 Sep 2020 13:29
Operator : JC/SP
Sample : L4050-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X090420W.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	6.30	6.9	ug/l	217698	2	6.83	940880	30.0
3-Pentanone, 2,4-...	9.42	11.8	ug/l	543721	3	10.10	1378100	30.0
Eucalyptol	12.14	9.4	ug/l	431371	3	10.10	1378100	30.0
Bicyclo[2.2.1]hep...	12.94	60.0	ug/l	2756420	3	10.10	1378100	30.0
Cyclohexanemethan...	13.38	7.7	ug/l	353751	3	10.10	1378100	30.0
Cyclohexanone, 5-...	13.52	8.9	ug/l	408255	3	10.10	1378100	30.0
Bicyclo[2.2.1]hep...	13.55	74.3	ug/l	3414990	3	10.10	1378100	30.0
Cyclohexanol, 5-m...	13.63	27.4	ug/l	1257310	3	10.10	1378100	30.0
unknown14.13	14.13	12.5	ug/l	574092	3	10.10	1378100	30.0