LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

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\624X121219W.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	2.100	192	199	208	rBV	416543	635721	4.60%	1.089%
2	2.429	247	253	258	rBV	1575206	2546542	18.44%	4.362%
3	2.472	258	260	269	rVV	182802	272114	1.97%	0.466%
4	2.564	269	275	277	rVV	227011	357641	2.59%	0.613%
5	2.588	277	279	290	rVB	200272	333798	2.42%	0.572%
6	3.027	341	351	365	rBV	3968146	8580667	62.13%	14.699%
7	4.673	606	621	637	rBV2	3898854	13809768	100.00%	23.657%
8	5.002	664	675	684	rBV2	188397	550960	3.99%	0.944%
9	5.112	684	693	715	rVB	1339713	4040273	29.26%	6.921%
10	6.051	837	847	855	rBV	197431	508378	3.68%	0.871%
11	6.325	884	892	901	rVV2	70736	189128	1.37%	0.324%
12	6.423	901	908	924	rVB3	96125	289673	2.10%	0.496%
13	6.727	949	958	968	rBV	88662	234576	1.70%	0.402%
14	6.849	970	978	988	rVB	455839	1054067	7.63%	1.806%
15	7.282	1043	1049	1060	rBV	398783	833031	6.03%	1.427%
16	7.532	1078	1090	1098	rBV	157693	365516	2.65%	0.626%
17	8.636	1263	1271	1277	rBV	260535	412556	2.99%	0.707%
18	8.709	1277	1283	1289	rVV	993002	1536788	11.13%	2.633%
19	8.776	1289	1294	1300	rVV	462061	756564	5.48%	1.296%
20	8.861	1304	1308	1312	rVV	160116	249825	1.81%	0.428%
21	8.910	1312	1316	1322	rVB2	80000	139511	1.01%	0.239%
22	9.294	1373	1379	1383	rBV2	98583	181431	1.31%	0.311%
23	9.434	1395	1402	1407	rVV	475643	732341	5.30%	1.255%
24	9.544	1416	1420	1426	rVV	131740	206355	1.49%	0.354%
25	10.111	1502	1513	1517	rBV	960684	1494363	10.82%	2.560%
26	10.245	1531	1535	1541	rBV2	245008	398149	2.88%	0.682%
27	10.355	1549	1553	1560	rVB	379055	530534	3.84%	0.909%
28	10.434	1560	1566	1575	rVB2	94784	167434	1.21%	0.287%
29	10.629	1593	1598	1605	rBV	207948	288247	2.09%	0.494%
30	10.696	1605	1609	1613	rBV2	239211	365356	2.65%	0.626%
31	10.818	1622	1629	1637	rBV	253296	383648	2.78%	0.657%
32	11.129	1675	1680	1686	rBV	774759	1061840	7.69%	1.819%
33	11.556	1746	1750	1756	rVB	118743	168795	1.22%	0.289%
34	11.800	1784	1790	1795	rVB	141341	200086	1.45%	0.343%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

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\624X121219W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	11.934	1806	1812	1820	rVB3	225484	396625	2.87%	0.679%
36	12.062	1829	1833	1836	rVV	292492	404593	2.93%	0.693%
37	12.092	1836	1838	1843	rVV2	166488	265016	1.92%	0.454%
38	12.153	1843	1848	1852	rVV2	484211	668832	4.84%	1.146%
39	12.263	1862	1866	1869	rBV	344959	473598	3.43%	0.811%
40	12.294	1869	1871	1881	rVB	166091	231705	1.68%	0.397%
41	12.464	1895	1899	1908	rBV6	59309	143125	1.04%	0.245%
42	12.574	1913	1917	1922	rBV3	422044	595381	4.31%	1.020%
43	12.629	1922	1926	1930	rVB	282301	353907	2.56%	0.606%
44	12.812	1949	1956	1960	rVV	348550	518616	3.76%	0.888%
45	12.958	1968	1980	1985	rBV	2953557	3788062	27.43%	6.489%
46	13.013	1985	1989	1998	rVB2	185268	323023	2.34%	0.553%
47	13.220	2018	2023	2027	rBV2	138281	211568	1.53%	0.362%
48	13.342	2036	2043	2047	rBV6	97640	195497	1.42%	0.335%
49	13.525	2068	2073	2076	rBV3	314034	475587	3.44%	0.815%
50	13.562	2076	2079	2086	rVB	1448414	1835862	13.29%	3.145%
51	13.641	2086	2092	2100	rBV2	968595	1402593	10.16%	2.403%
52	13.781	2111	2115	2119	rBV2	327417	403934	2.92%	0.692%
53	13.830	2119	2123	2129	rVB	703492	920939	6.67%	1.578%
54	14.153	2169	2176	2187	rBV2	206455	358452	2.60%	0.614%
55	14.689	2260	2264	2273	rVB	202193	300476	2.18%	0.515%
56	14.836	2281	2288	2292	rVB	164257	231109	1.67%	0.396%

Sum of corrected areas: 58374176

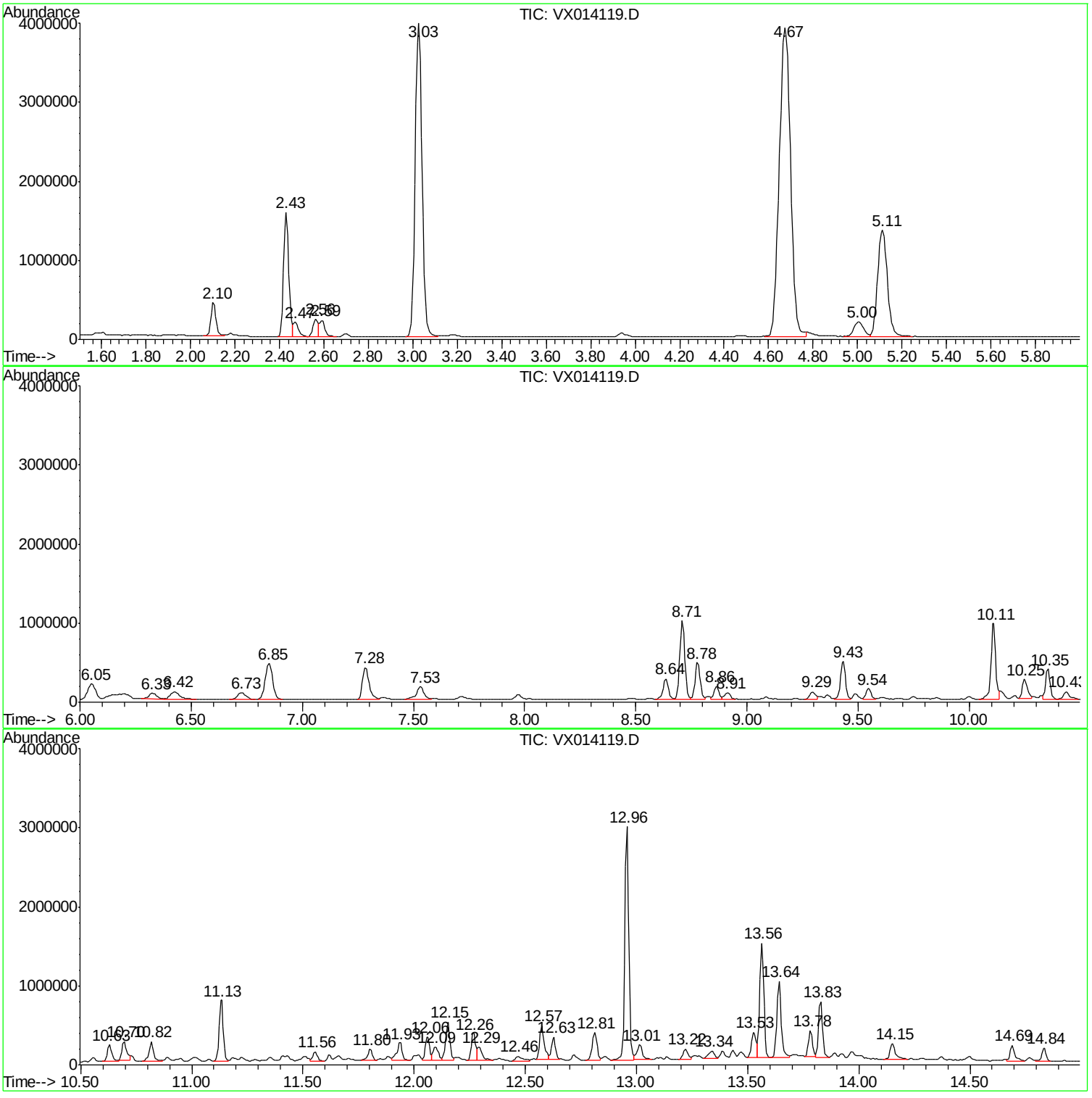
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.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_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

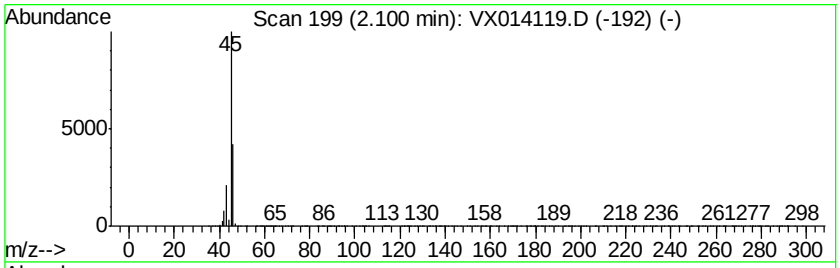
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

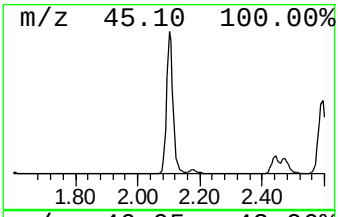
****

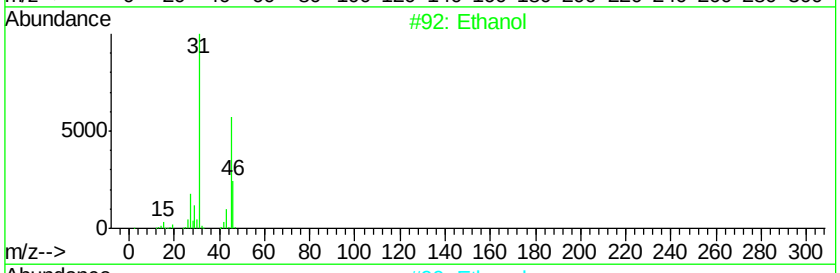
Peak Number 1 Ethanol Concentration Rank 4

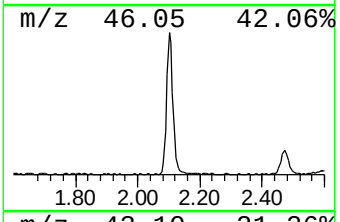
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.10	34.62 ug/l	635721	Bromochloromethane	5.00

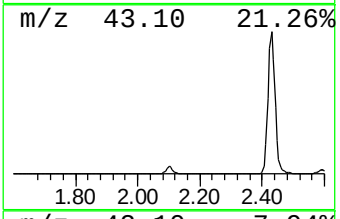
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	78
2	Ethanol	46	C2H6O	000064-17-5	64
3	Ethanol	46	C2H6O	000064-17-5	64
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Dimethyl ether	46	C2H6O	000115-10-6	9

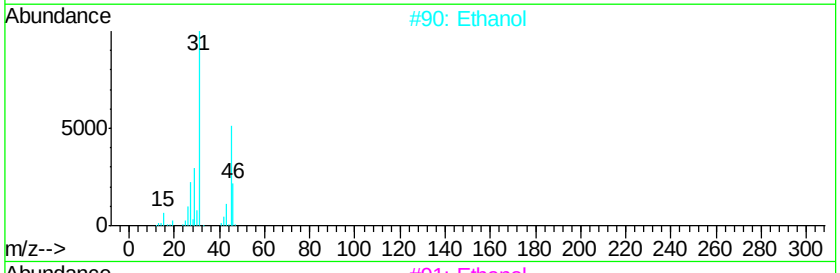


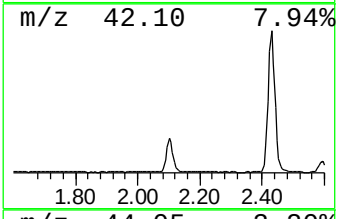


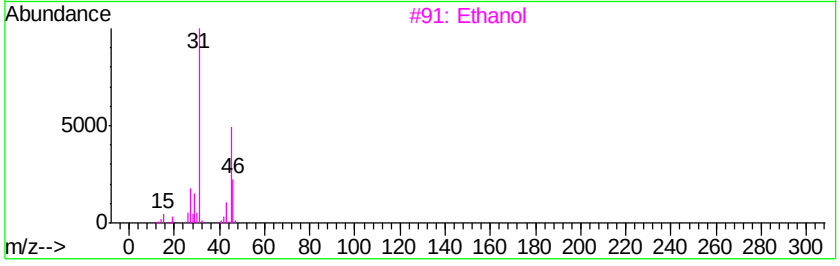


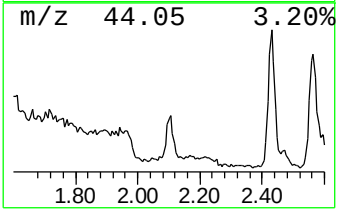












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

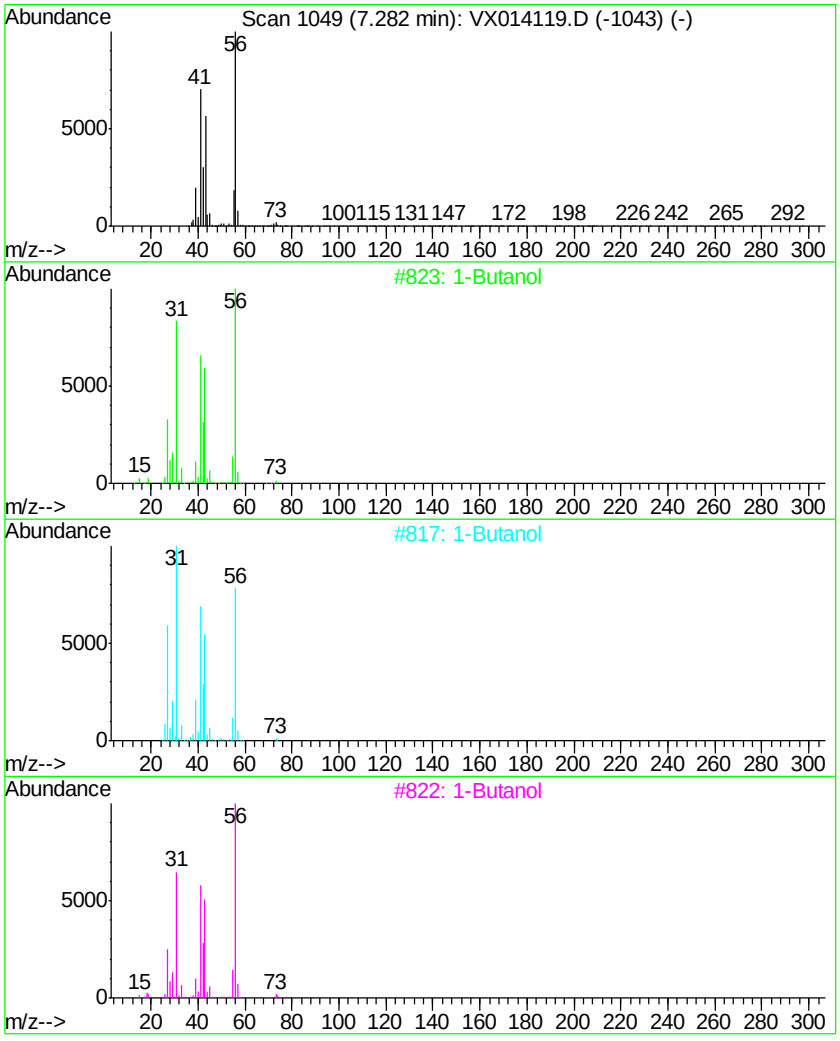
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

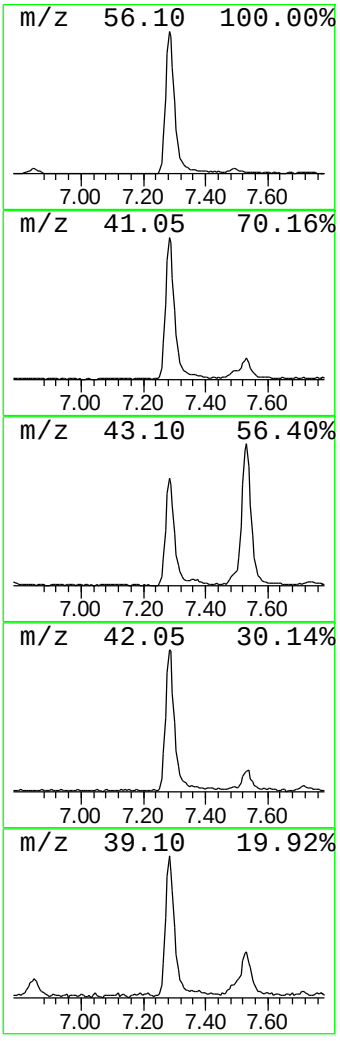
****

Peak Number 3 1-Butanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	23.71 ug/l	833031	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	90
2	1-Butanol	74	C4H10O	000071-36-3	86
3	1-Butanol	74	C4H10O	000071-36-3	83
4	1-Butanol	74	C4H10O	000071-36-3	52
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

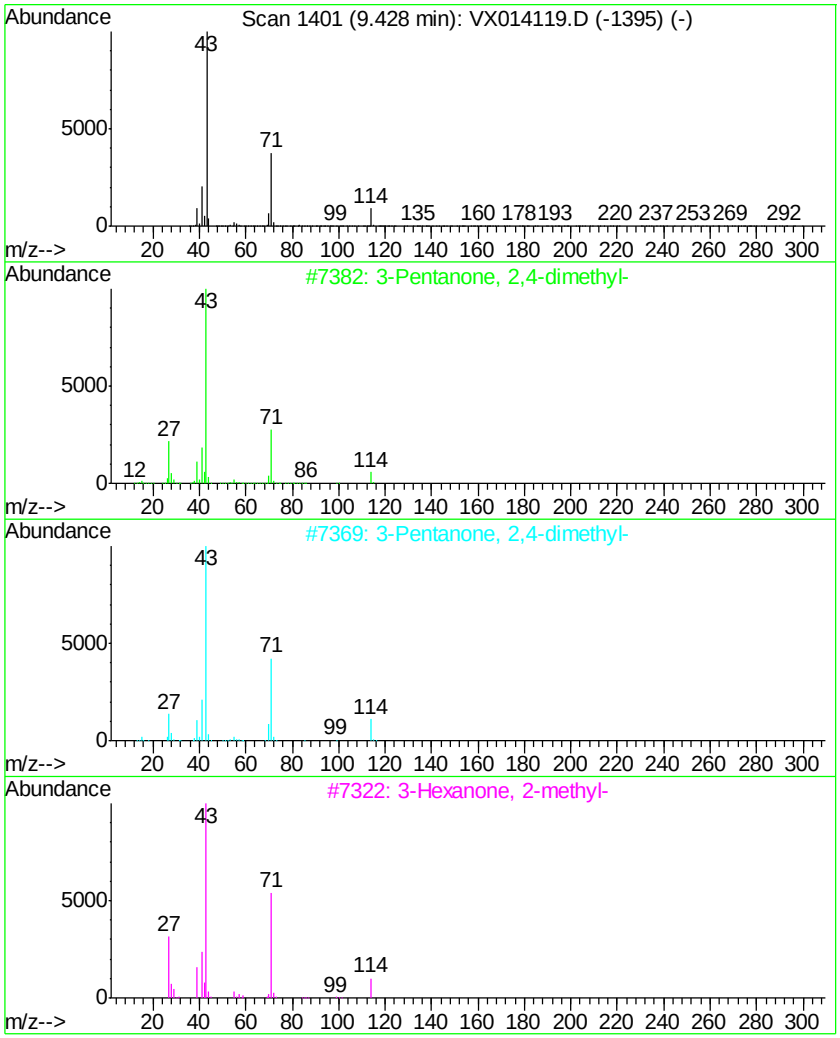
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

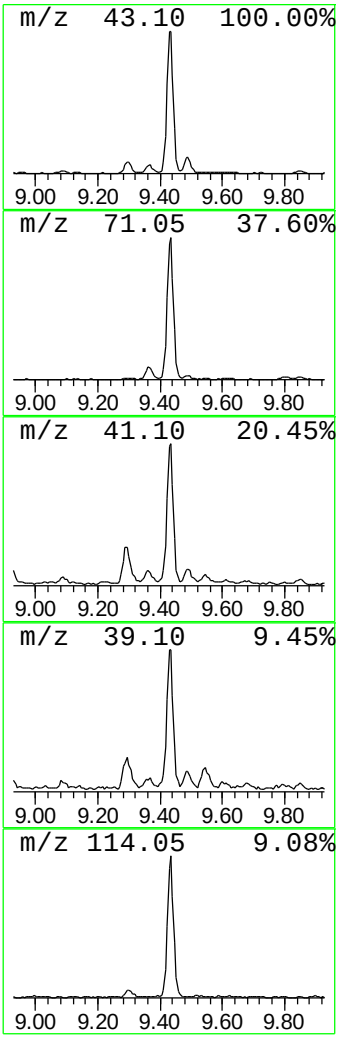
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	14.70 ug/l	732341	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	90
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	64
4	4-Heptanone	114	C7H14O	000123-19-3	59
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

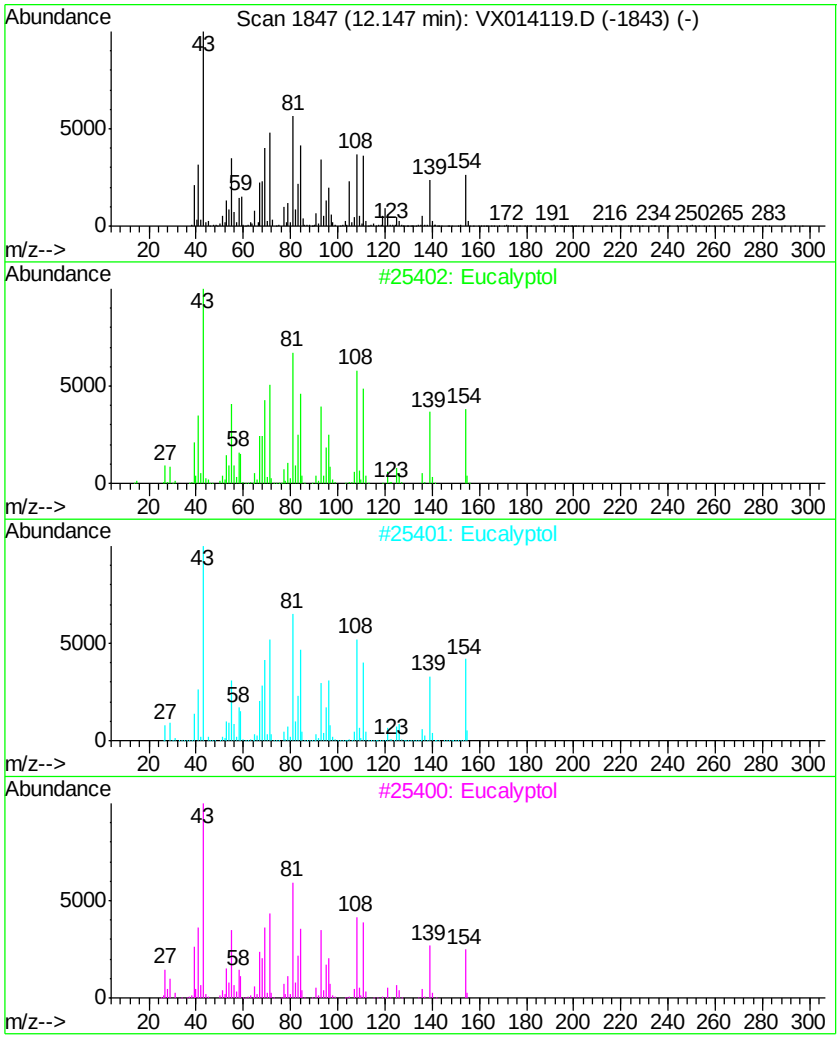
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

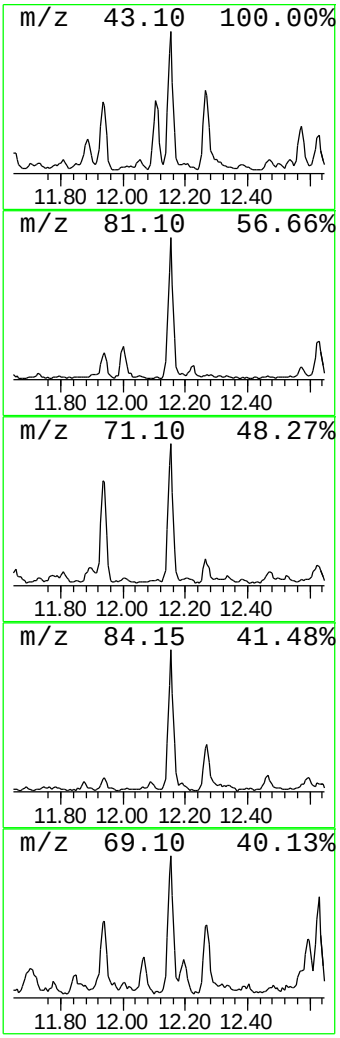
****

Peak Number 5 Eucalyptol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	13.43 ug/l	668832	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	98
3	Eucalyptol	154	C10H18O	000470-82-6	97
4	Eucalyptol	154	C10H18O	000470-82-6	91
5	Eucalyptol	154	C10H18O	000470-82-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

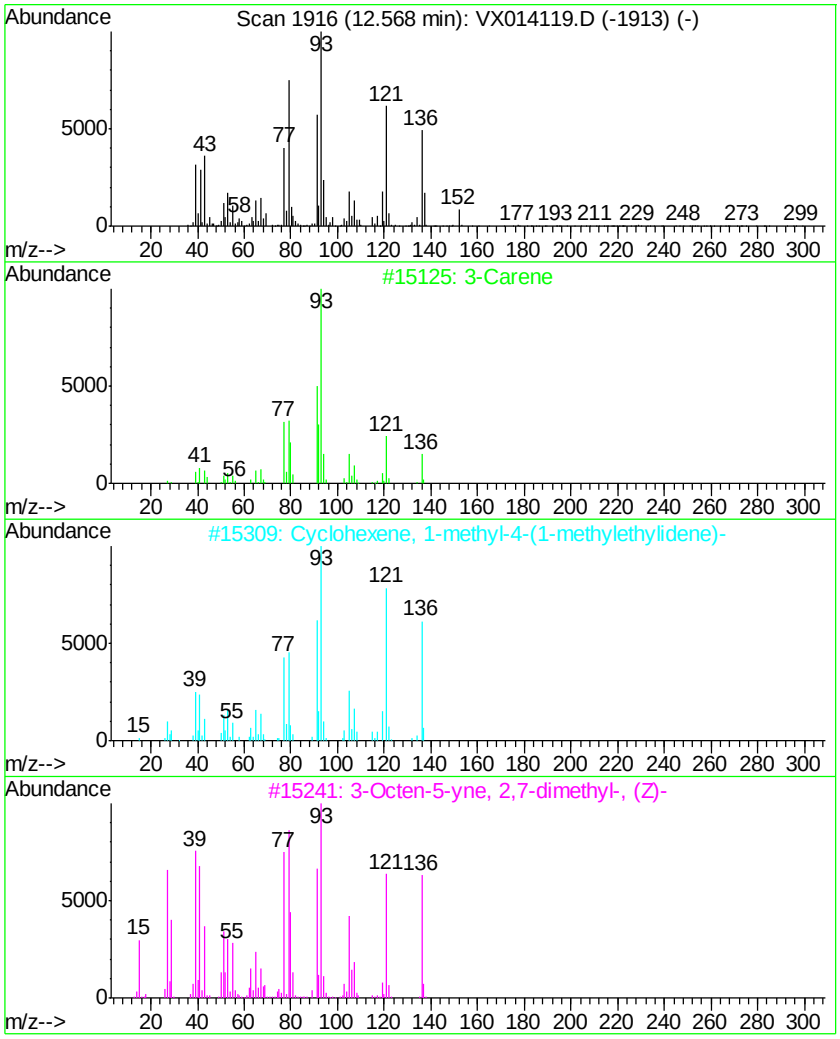
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

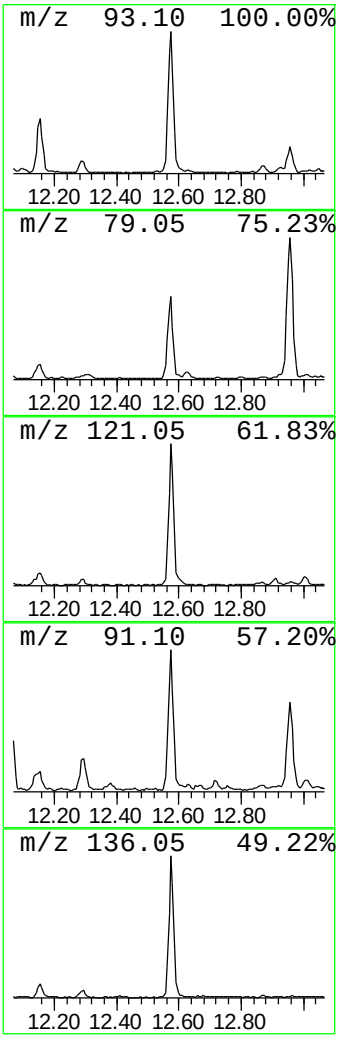
****

Peak Number 6 3-Carene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	11.95 ug/l	595381	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Carene	136	C10H16	013466-78-9	87
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	81
3	3-Octen-5-yne, 2,7-dimethyl-, (Z)-	136	C10H16	028935-76-4	74
4	Cyclopentane, 2-methyl-1-methyle...	136	C10H16	056710-83-9	74
5	Bicyclo[4.1.0]hept-2-ene, 3,7,7-...	136	C10H16	000554-61-0	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

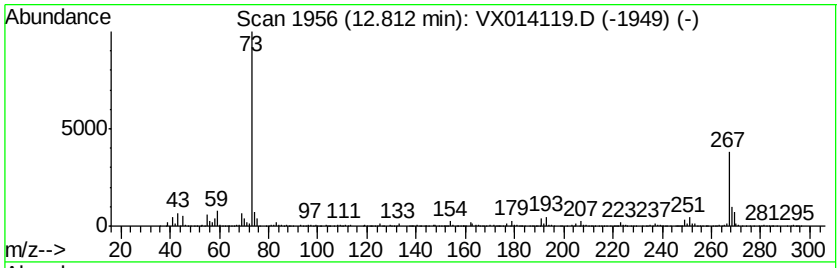
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

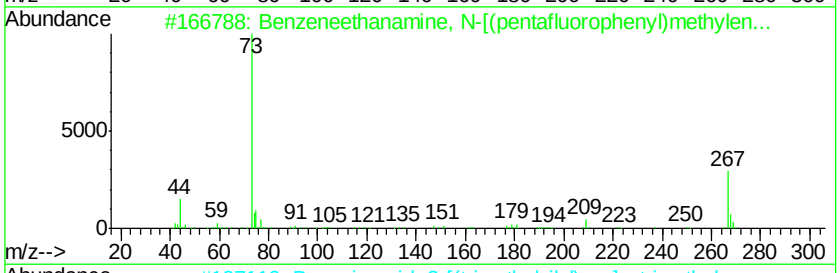
****

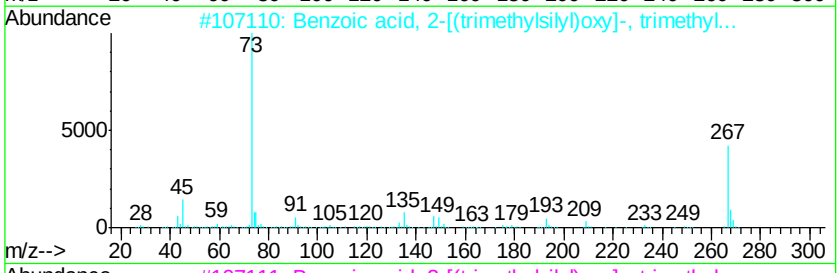
Peak Number 7 unknown12.81 Concentration Rank 10

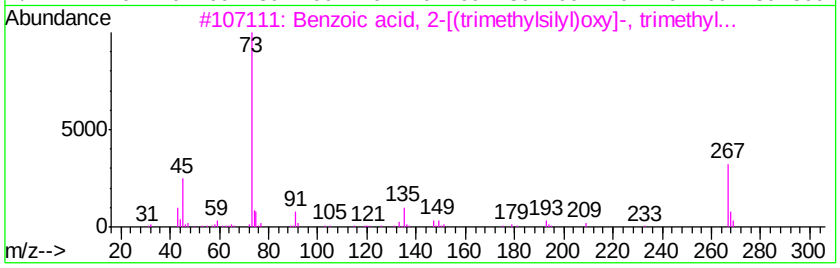
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	10.41 ug/l	518616	Chlorobenzene-d5	10.11

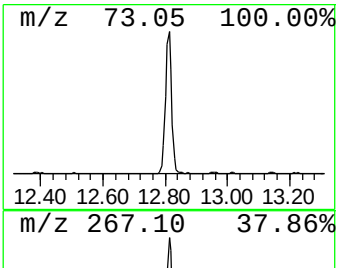
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	45
2	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	36
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	36
4	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	10
5	1-Boraindane, 3-methyl-1-[1-(tri...	266	C17H23BSi	190316-36-0	10

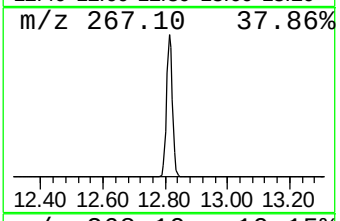


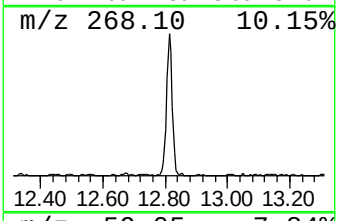


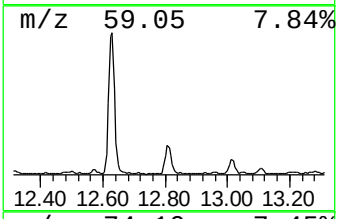


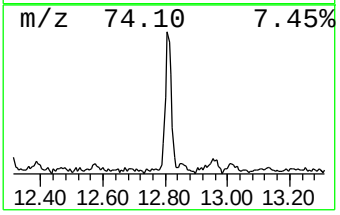












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

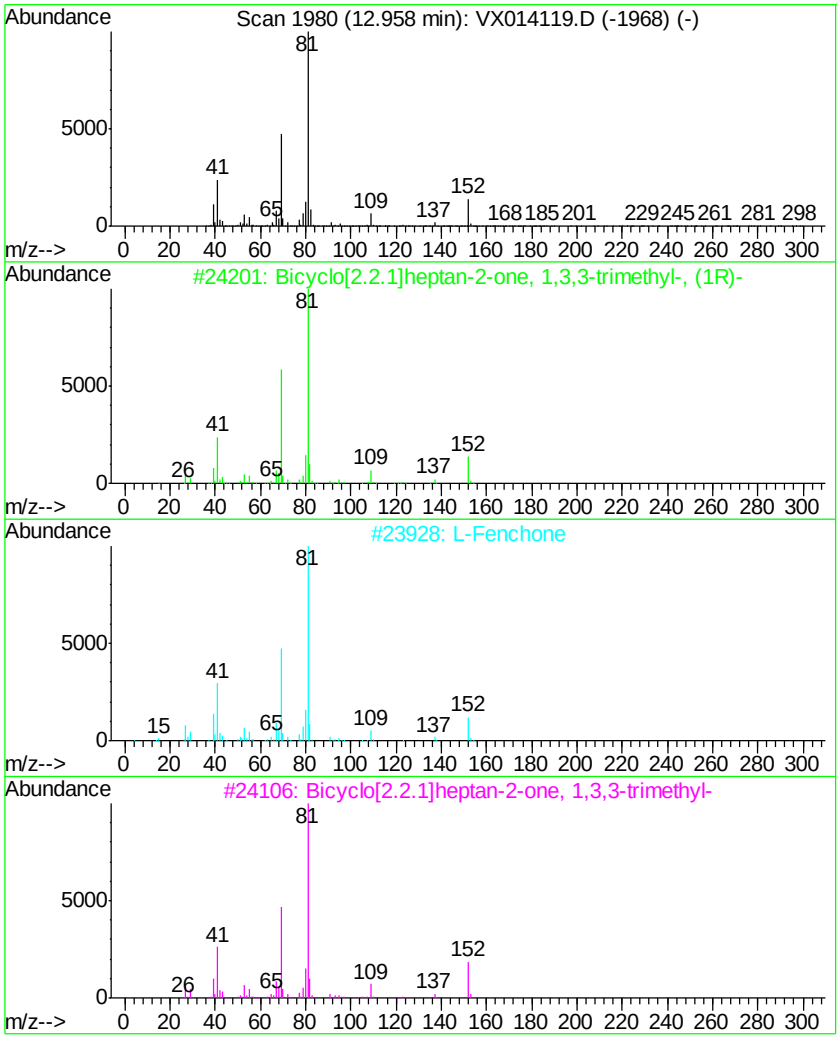
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

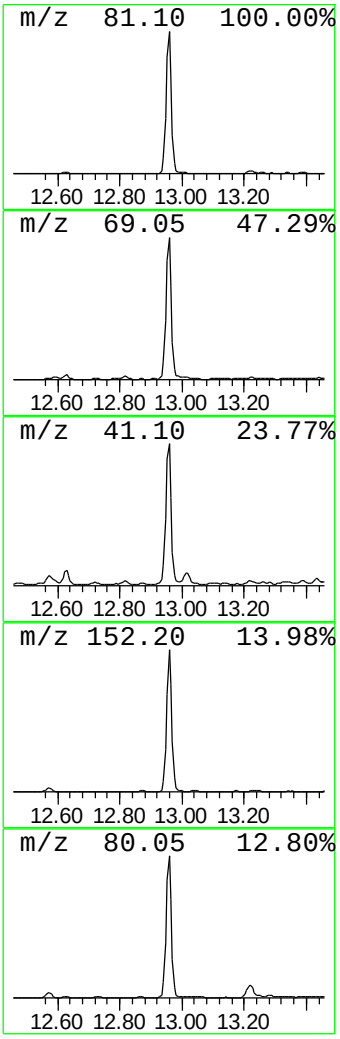
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	76.05 ug/l	3788060	Chlorobenzene-d5	10.11

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

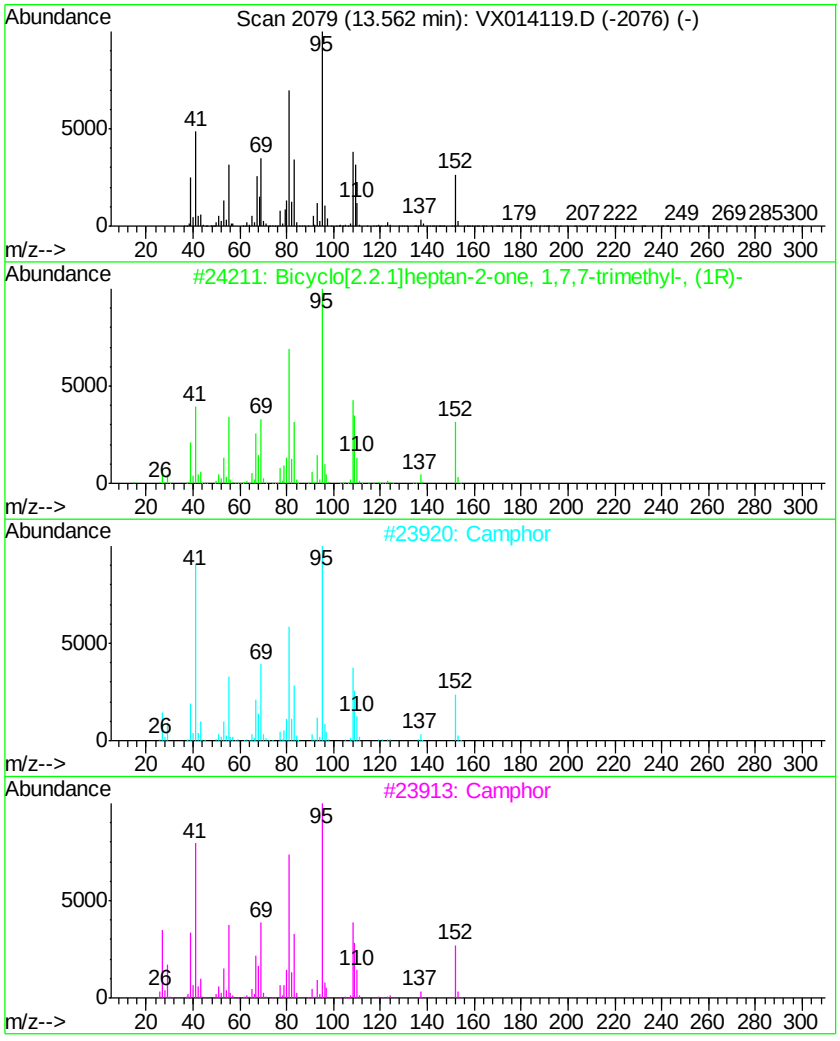
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

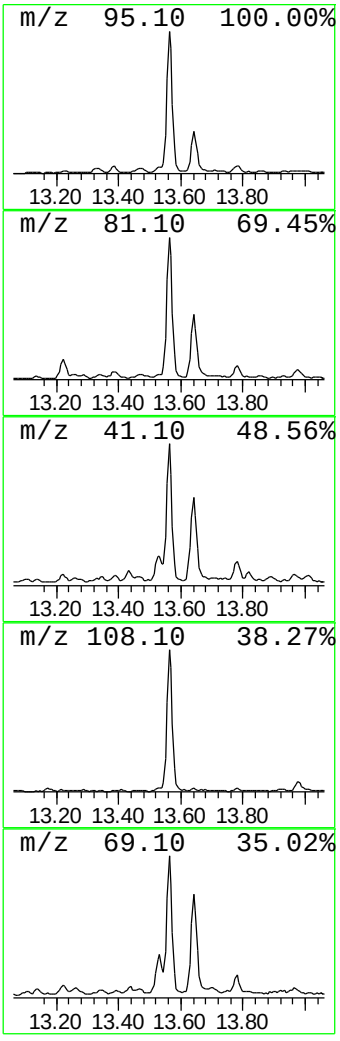
****

Peak Number 9 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	36.86 ug/l	1835860	Chlorobenzene-d5	10.11

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	Camphor	152	C10H16O	000076-22-2	98
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	97
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

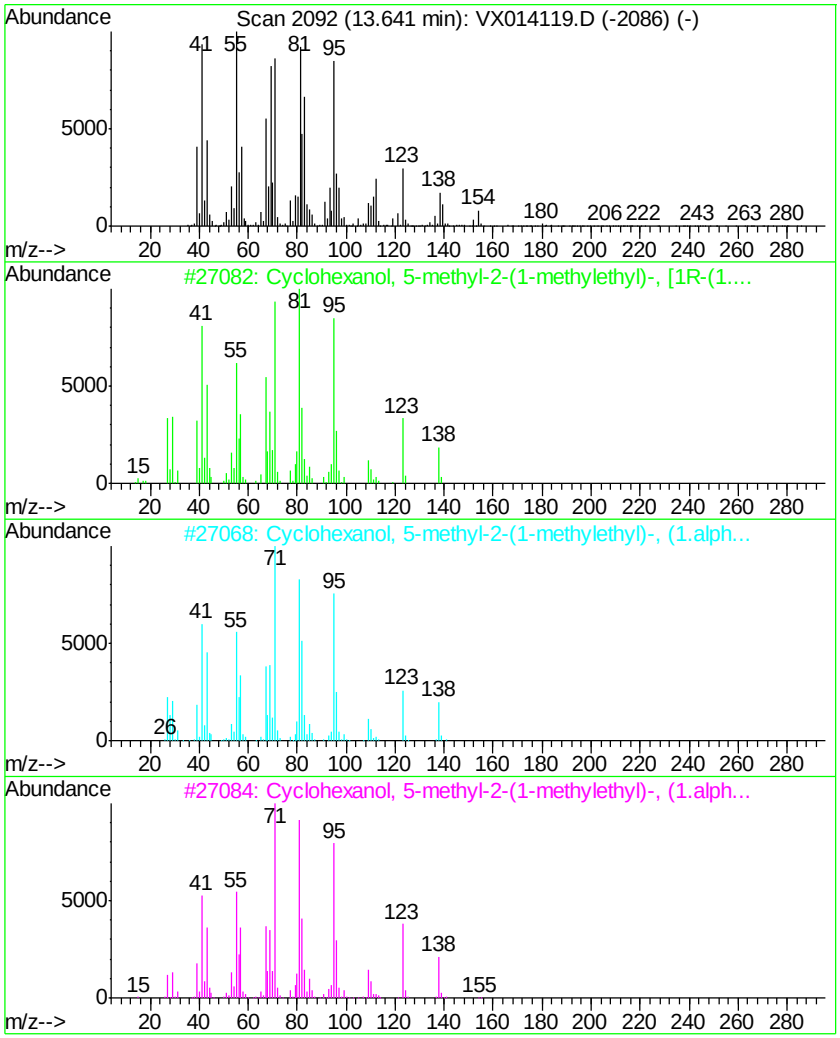
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

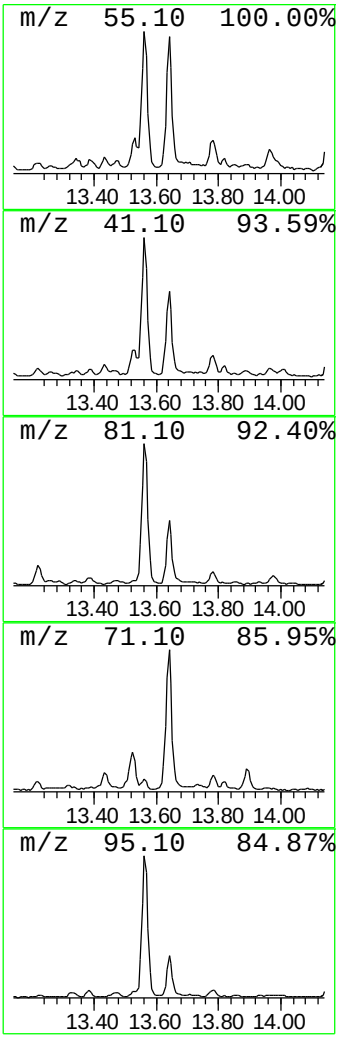
****

Peak Number 10 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	28.16 ug/l	1402590	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-51-5	64
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000089-78-1	58
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	58
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	58
5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121919\
Data File : VX014119.D
Acq On : 19 Dec 2019 14:28
Operator : JC/SP
Sample : K6373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 391218757.2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X121219W.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
Ethanol	2.10	34.6	ug/l	635721	1	5.00	550960	30.0
1-Butanol	7.28	23.7	ug/l	833031	2	6.85	1054070	30.0
3-Pentanone, 2,4-...	9.43	14.7	ug/l	732341	3	10.11	1494360	30.0
Eucalyptol	12.15	13.4	ug/l	668832	3	10.11	1494360	30.0
3-Carene	12.57	11.9	ug/l	595381	3	10.11	1494360	30.0
unknown12.81	12.81	10.4	ug/l	518616	3	10.11	1494360	30.0
Bicyclo[2.2.1]hep...	12.96	76.0	ug/l	3788060	3	10.11	1494360	30.0
Bicyclo[2.2.1]hep...	13.56	36.9	ug/l	1835860	3	10.11	1494360	30.0
Cyclohexanol, 5-m...	13.64	28.2	ug/l	1402590	3	10.11	1494360	30.0