LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

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\624X012519W.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	1.599	68	73	74	rBV2	25522	38430	1.05%	0.179%
2	1.794	100	105	116	rVB	308832	451010	12.30%	2.096%
3	2.007	135	140	146	rVB3	48242	88806	2.42%	0.413%
4	2.269	178	183	191	rVB	147929	229681	6.26%	1.067%
5	2.843	268	277	281	rBV2	65764	163674	4.46%	0.761%
6	2.891	281	285	287	rVV	94777	166887	4.55%	0.775%
7	2.934	287	292	304	rVB	239243	522922	14.26%	2.430%
8	3.172	324	331	344	rVB	140961	333927	9.10%	1.552%
9	3.812	429	436	444	rBV3	29335	66958	1.83%	0.311%
10	3.922	444	454	463	rVB2	35458	89429	2.44%	0.416%
11	4.196	489	499	509	rBV4	48310	126196	3.44%	0.586%
12	4.403	522	533	540	rBV4	22359	64261	1.75%	0.299%
13	4.525	544	553	563	rVB3	53432	153064	4.17%	0.711%
14	5.019	623	634	650	rVB	159554	491758	13.41%	2.285%
15	5.299	669	680	691	rVB9	18784	75893	2.07%	0.353%
16	5.574	715	725	738	rVB	169329	519357	14.16%	2.413%
17	5.720	738	749	761	rVB8	15497	61386	1.67%	0.285%
18	5.940	775	785	796	rVB5	23802	75997	2.07%	0.353%
19	6.068	796	806	813	rBV	160527	420271	11.46%	1.953%
20	6.147	813	819	830	rVV	113361	305332	8.32%	1.419%
21	6.257	830	837	848	rVV7	35237	129531	3.53%	0.602%
22	6.360	848	854	862	rVV6	36631	105544	2.88%	0.490%
23	6.458	862	870	884	rVB4	46482	136344	3.72%	0.634%
24	6.860	925	936	946	rBV2	382740	1013622	27.64%	4.710%
25	6.939	947	949	960	rVV3	60008	132817	3.62%	0.617%
26	7.256	993	1001	1008	rBV	77652	168095	4.58%	0.781%
27	7.458	1022	1034	1047	rVB2	200412	509266	13.89%	2.366%
28	8.213	1147	1158	1163	rBV	224029	412725	11.25%	1.918%
29	8.262	1163	1166	1174	rVB3	22265	41746	1.14%	0.194%
30	8.567	1209	1216	1226	rVB	147330	260683	7.11%	1.211%
31	8.713	1234	1240	1248	rVV	790607	1230480	33.55%	5.718%
32	8.787	1248	1252	1256	rVB	24545	38696	1.06%	0.180%
33	9.024	1287	1291	1297	rVB3	25187	46671	1.27%	0.217%
34	9.110	1297	1305	1310	rBV4	20214	41898	1.14%	0.195%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

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\624X012519W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	9.219	1318	1323	1329	rVB	54586	83481	2.28%	0.388%
36	10.110	1460	1469	1475	rBV	756882	1059099	28.88%	4.921%
37	10.353	1504	1509	1516	rVB	67031	103868	2.83%	0.483%
38	10.695	1562	1565	1571	rVB	34779	46465	1.27%	0.216%
39	11.018	1613	1618	1622	rBV	89503	108198	2.95%	0.503%
40	11.134	1630	1637	1643	rBV	633587	834196	22.74%	3.876%
41	11.506	1693	1698	1702	rBV	35294	41778	1.14%	0.194%
42	11.664	1720	1724	1735	rVB	108610	152073	4.15%	0.707%
43	11.804	1743	1747	1751	rVB	40825	49386	1.35%	0.229%
44	12.018	1776	1782	1786	rBV2	25560	41465	1.13%	0.193%
45	12.140	1798	1802	1808	rBV	31936	42889	1.17%	0.199%
46	12.298	1822	1828	1836	rBV	2060350	2498482	68.12%	11.610%
47	12.371	1836	1840	1850	rVB4	21802	46678	1.27%	0.217%
48	12.463	1850	1855	1860	rBV2	83612	123337	3.36%	0.573%
49	12.664	1882	1888	1892	rBV	287794	372649	10.16%	1.732%
50	12.701	1892	1894	1898	rVV	87626	94513	2.58%	0.439%
51	12.755	1898	1903	1910	rVB	447192	571743	15.59%	2.657%
52	12.938	1930	1933	1935	rVV2	27561	36769	1.00%	0.171%
53	12.975	1935	1939	1943	rVV	199301	239108	6.52%	1.111%
54	13.018	1943	1946	1951	rVV	67154	104806	2.86%	0.487%
55	13.225	1976	1980	1989	rVB	242329	297685	8.12%	1.383%
56	13.347	1995	2000	2005	rVB2	558666	712180	19.42%	3.309%
57	13.396	2005	2008	2018	rVB6	50054	76601	2.09%	0.356%
58	13.481	2018	2022	2028	rVB	51395	65791	1.79%	0.306%
59	13.597	2038	2041	2044	rVV	57259	70135	1.91%	0.326%
60	13.639	2044	2048	2052	rVB3	46280	66327	1.81%	0.308%
61	13.719	2058	2061	2069	rVB2	70979	103594	2.82%	0.481%
62	13.834	2074	2080	2087	rVV	2926588	3667719	100.00%	17.043%
63	13.926	2089	2095	2101	rVV	105366	147659	4.03%	0.686%
64	14.133	2124	2129	2132	rBV	37735	47151	1.29%	0.219%
65	14.267	2146	2151	2161	rBV2	27614	51821	1.41%	0.241%
66	14.694	2217	2221	2232	rVB	360356	448583	12.23%	2.084%
67	14.840	2239	2245	2253	rVB	302384	400608	10.92%	1.862%

Sum of corrected areas: 21520194

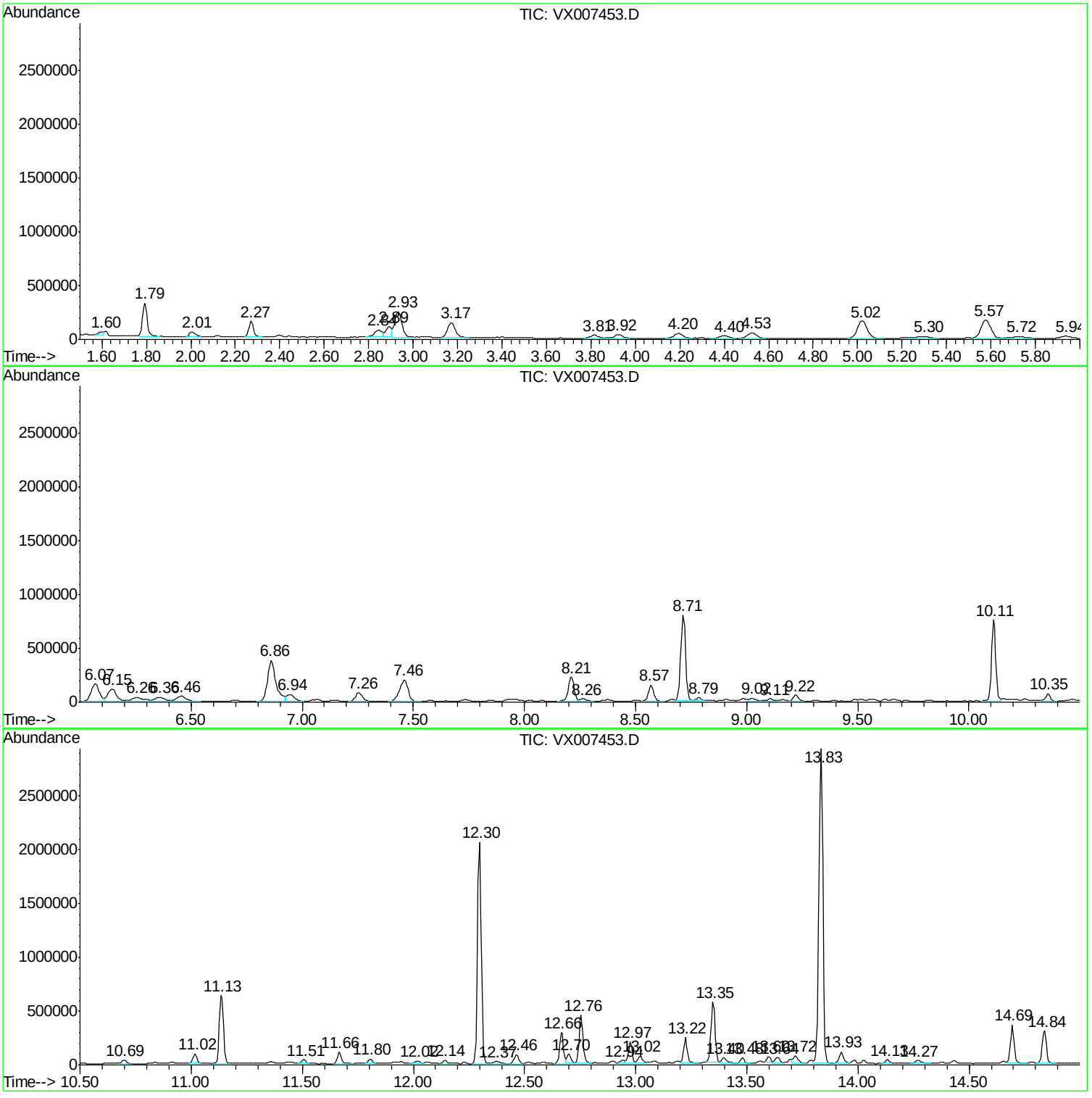
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.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\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

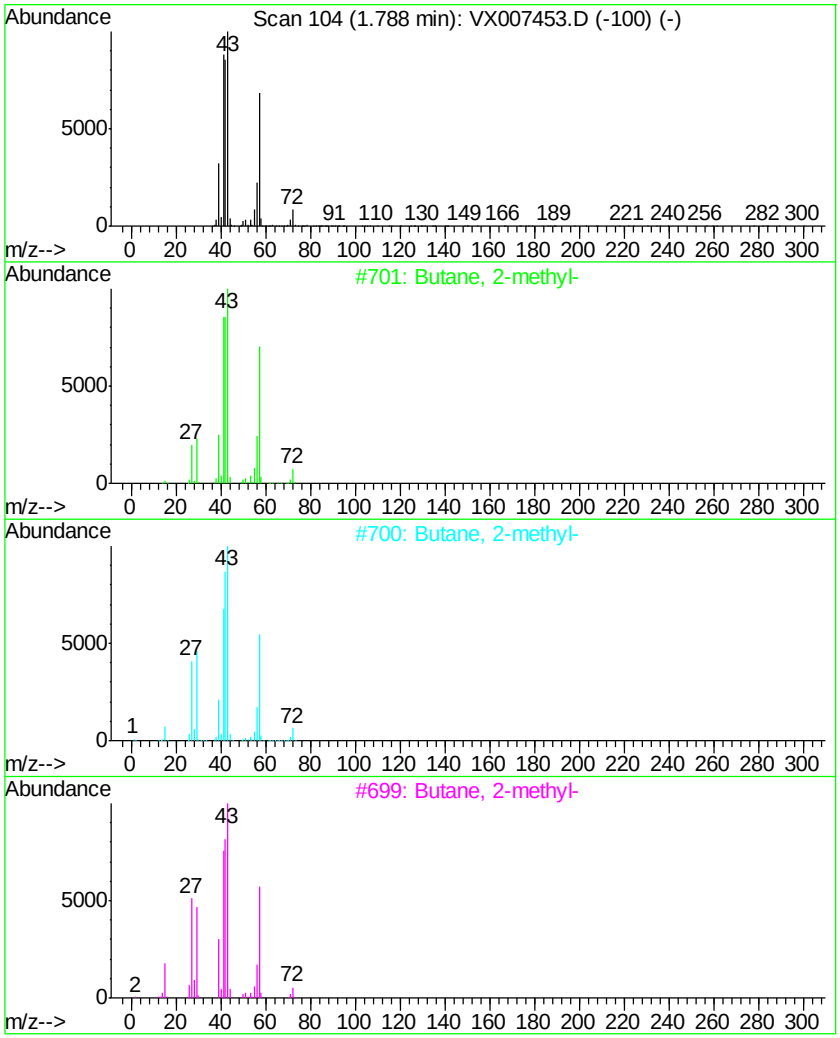
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

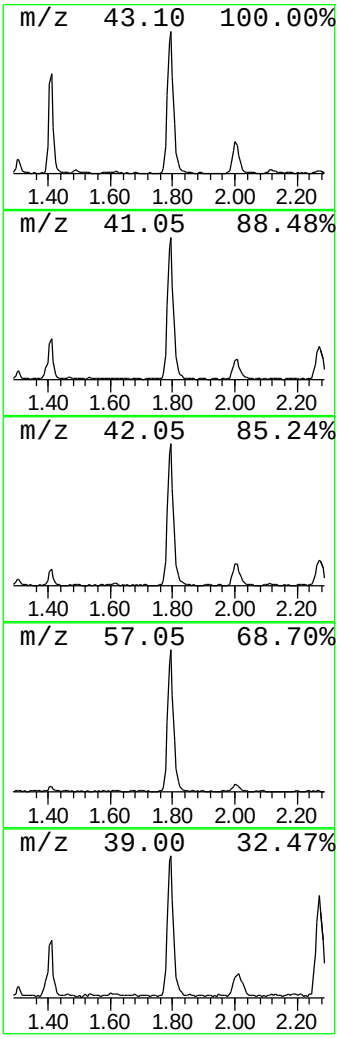
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	27.51 ug/l	451010	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	Pentane	72	C5H12	000109-66-0	59
5	3-Buten-1-ol	72	C4H8O	000627-27-0	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

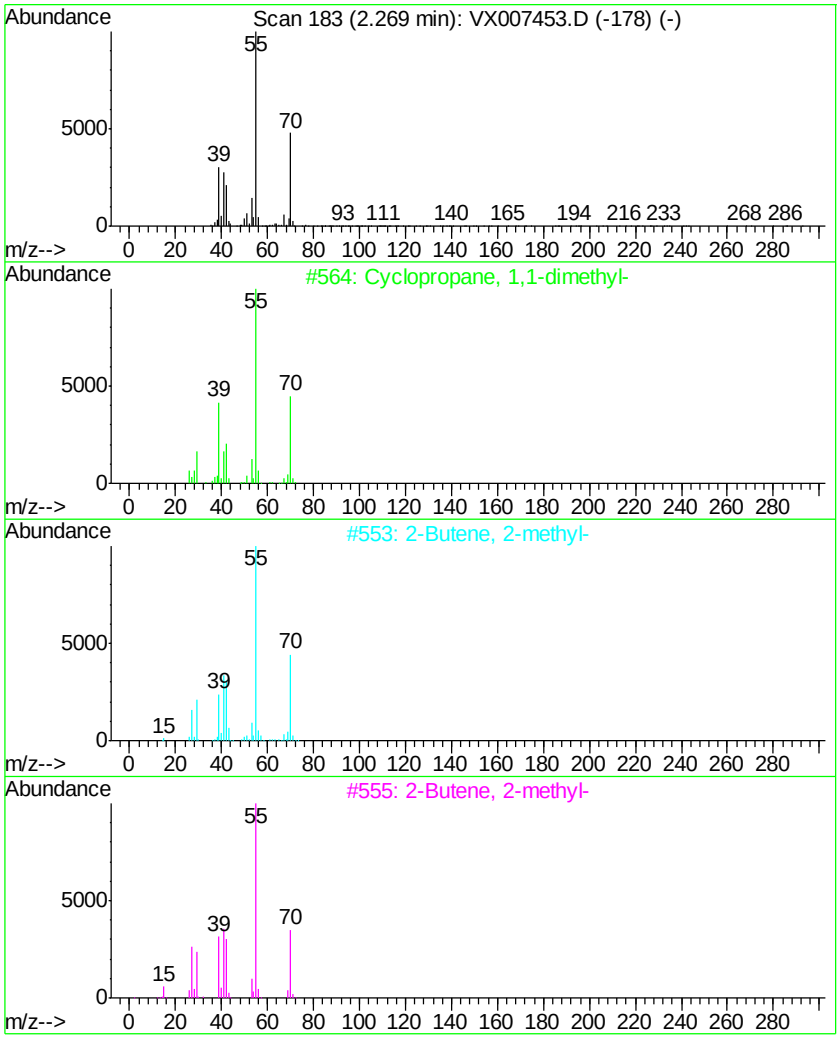
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

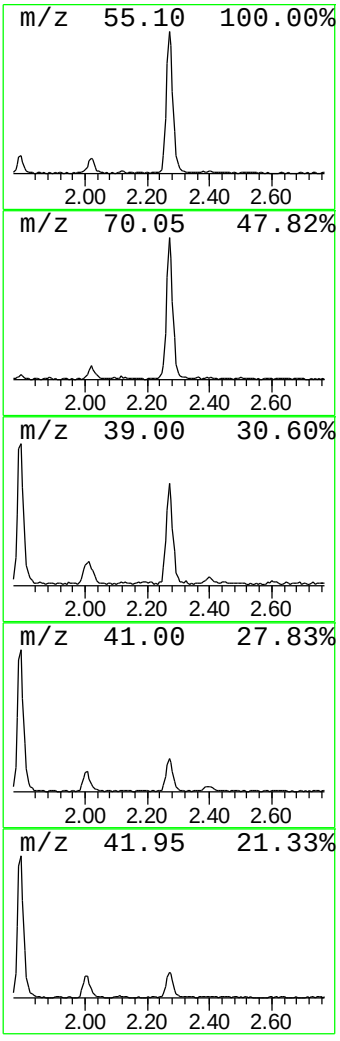
****

Peak Number 2 Cyclopropane, 1,1-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.27	14.01 ug/l	229681	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	72
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	72
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

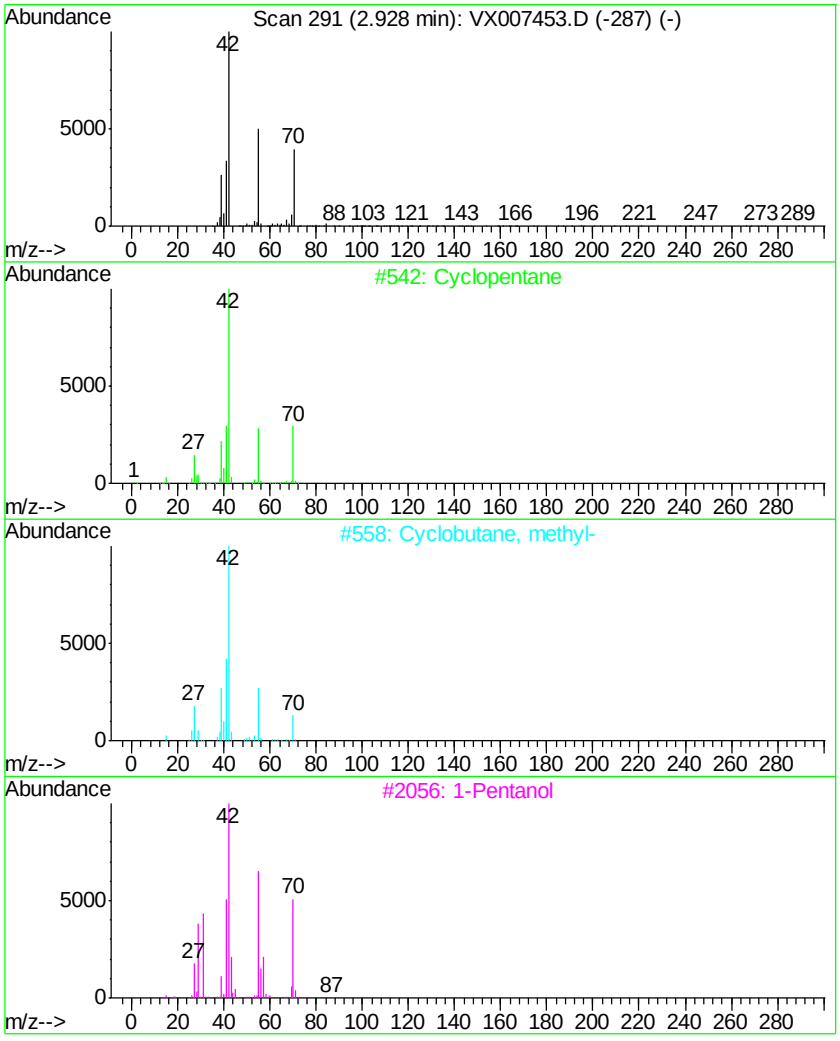
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

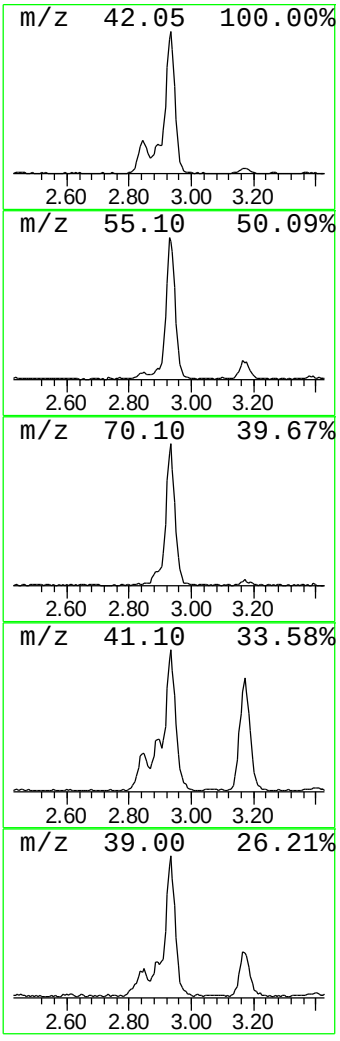
****

Peak Number 3 Cyclopentane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	31.90 ug/l	522922	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	1-Pentanol	88	C5H12O	000071-41-0	56
4	1-Pentene	70	C5H10	000109-67-1	50
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

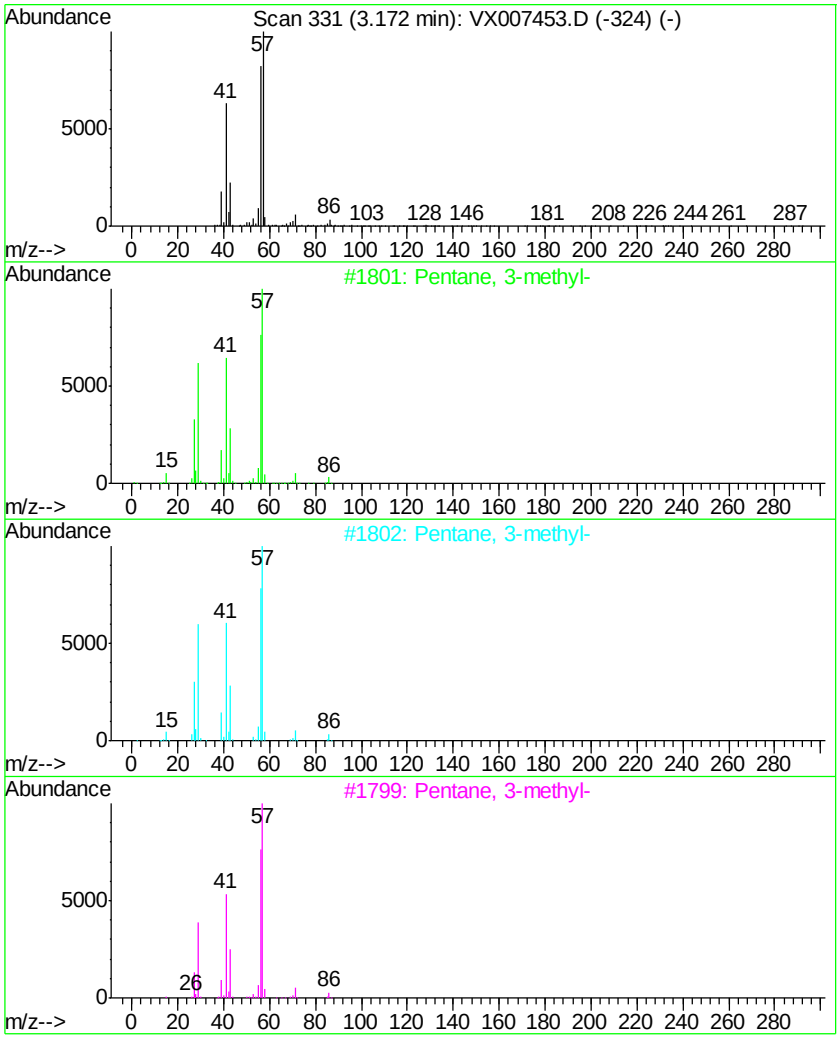
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

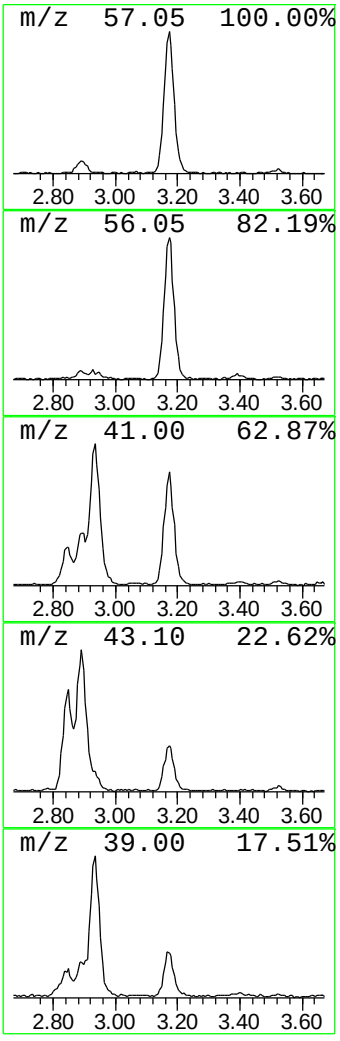
****

Peak Number 4 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	20.37 ug/l	333927	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

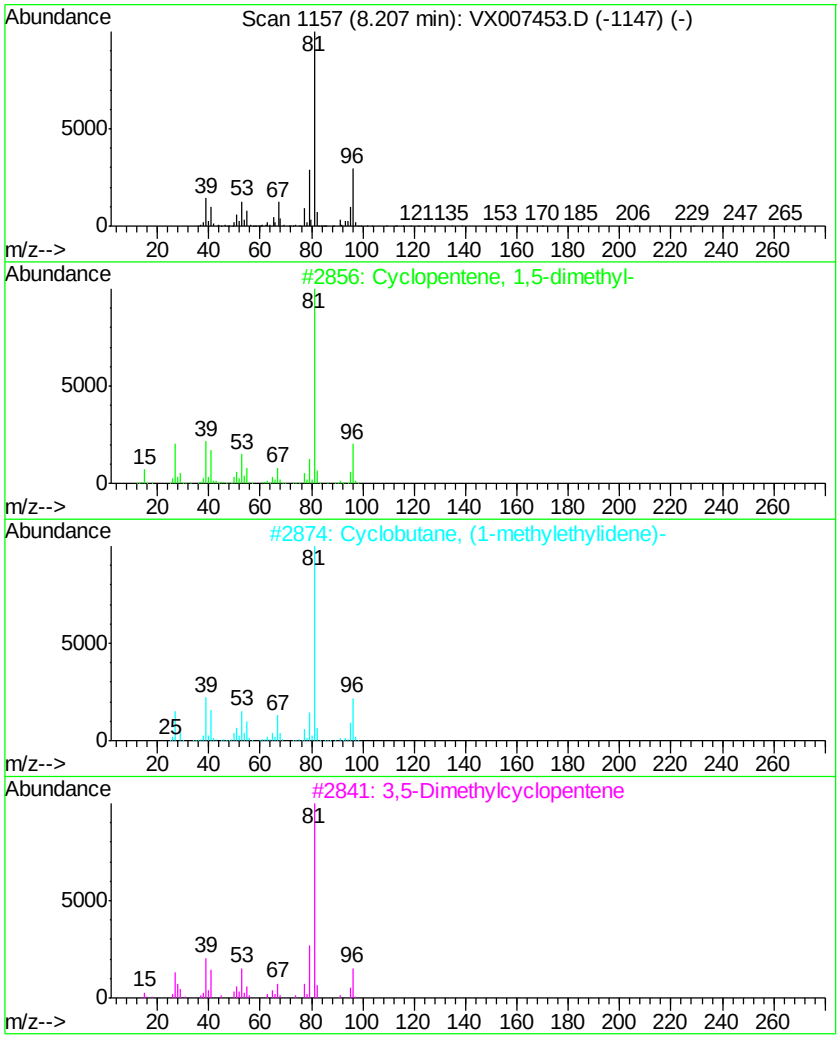
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

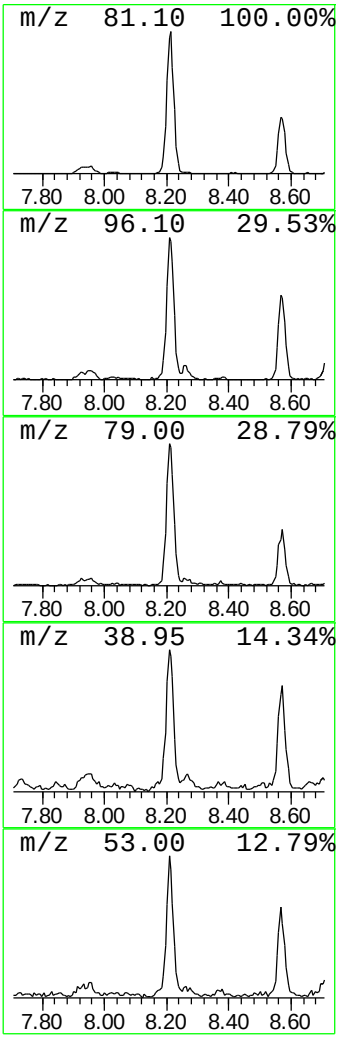
****

Peak Number 5 Cyclopentene, 1,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	12.22 ug/l	412725	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	81
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72
5	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
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Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

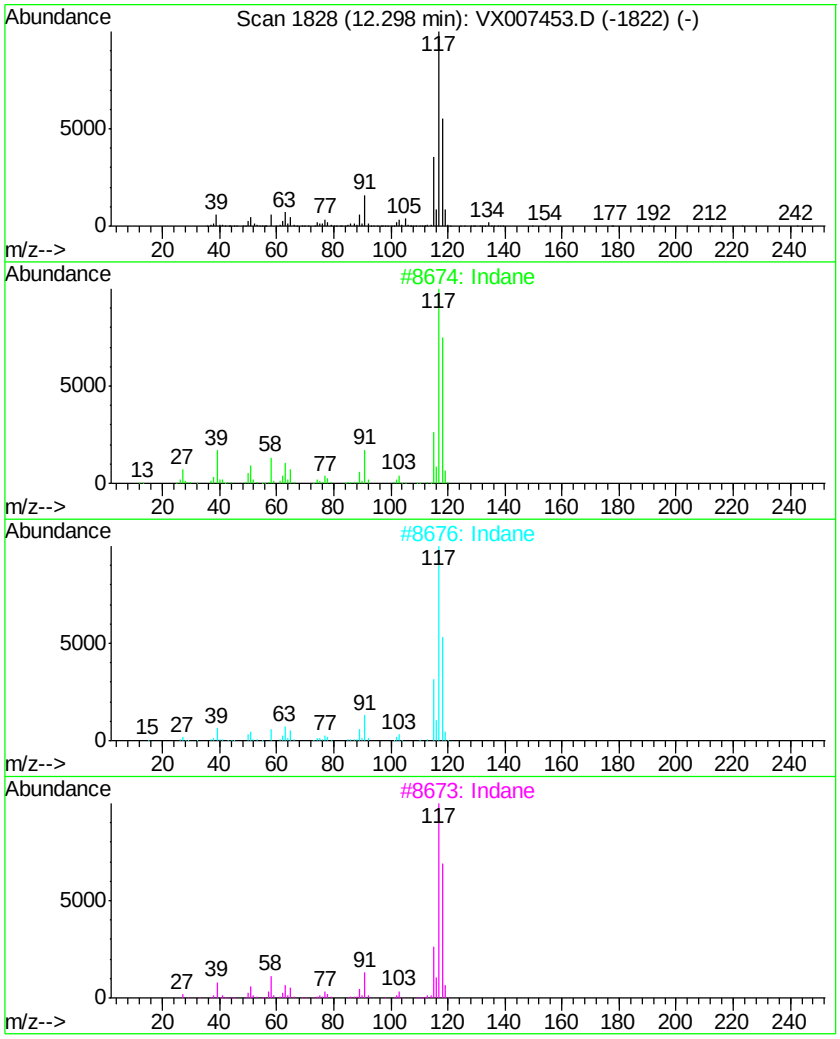
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

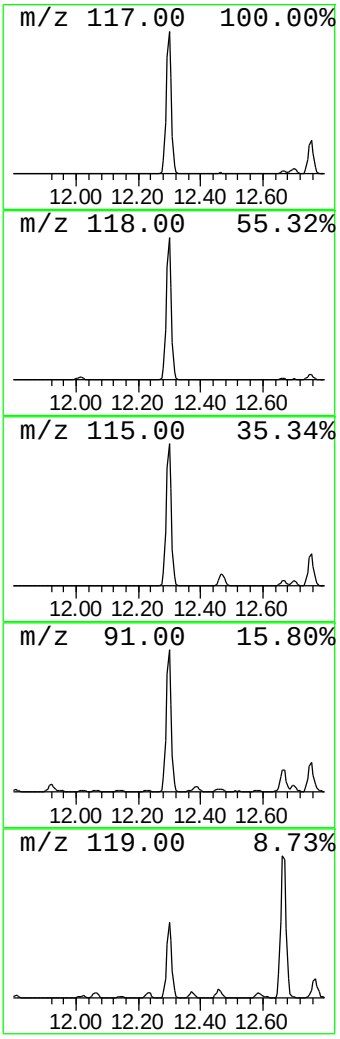
****

Peak Number 6 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	70.77 ug/l	2498480	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

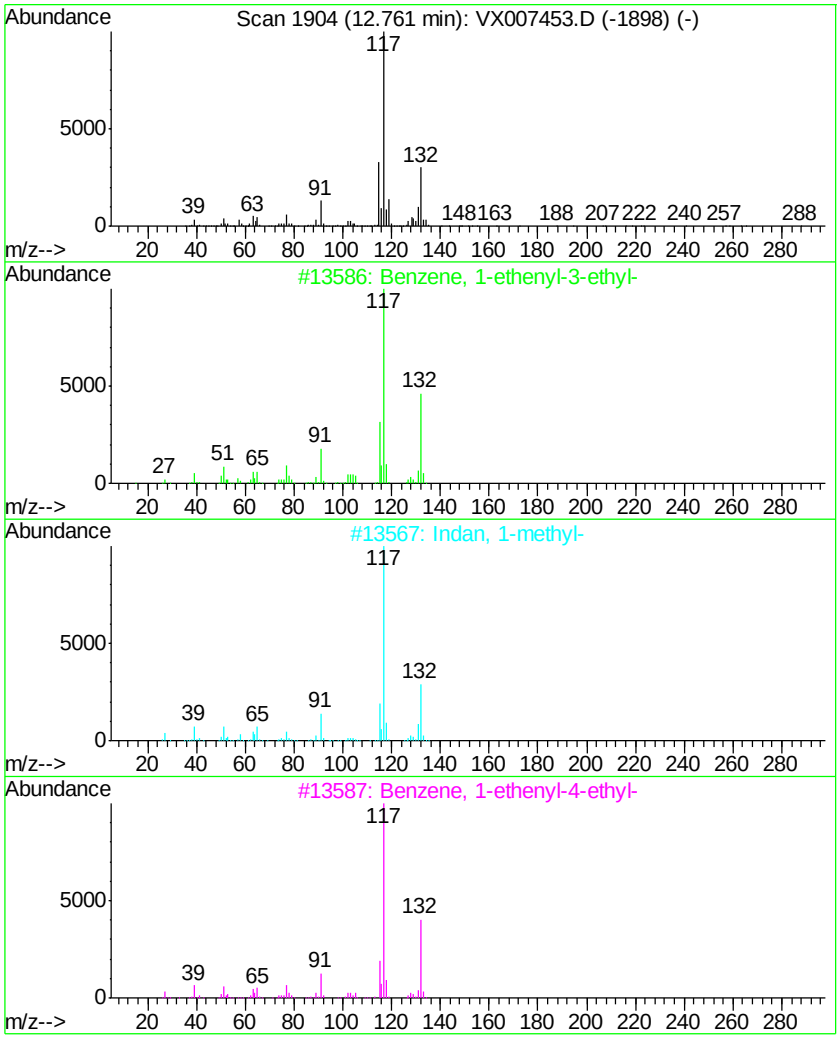
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

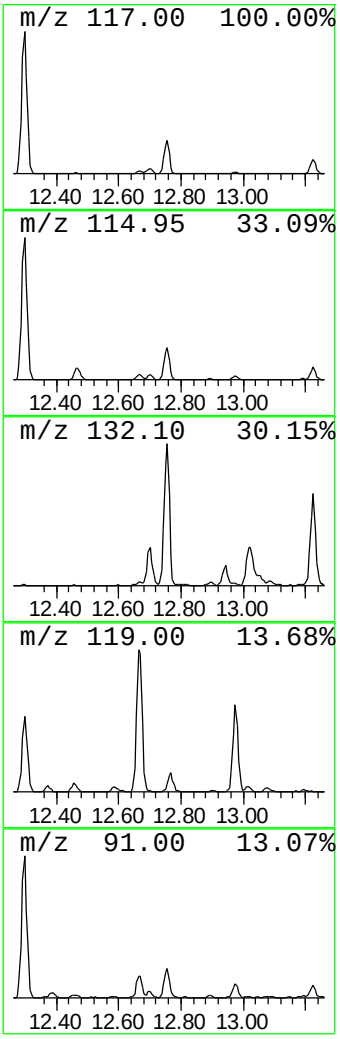
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	16.20 ug/l	571743	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

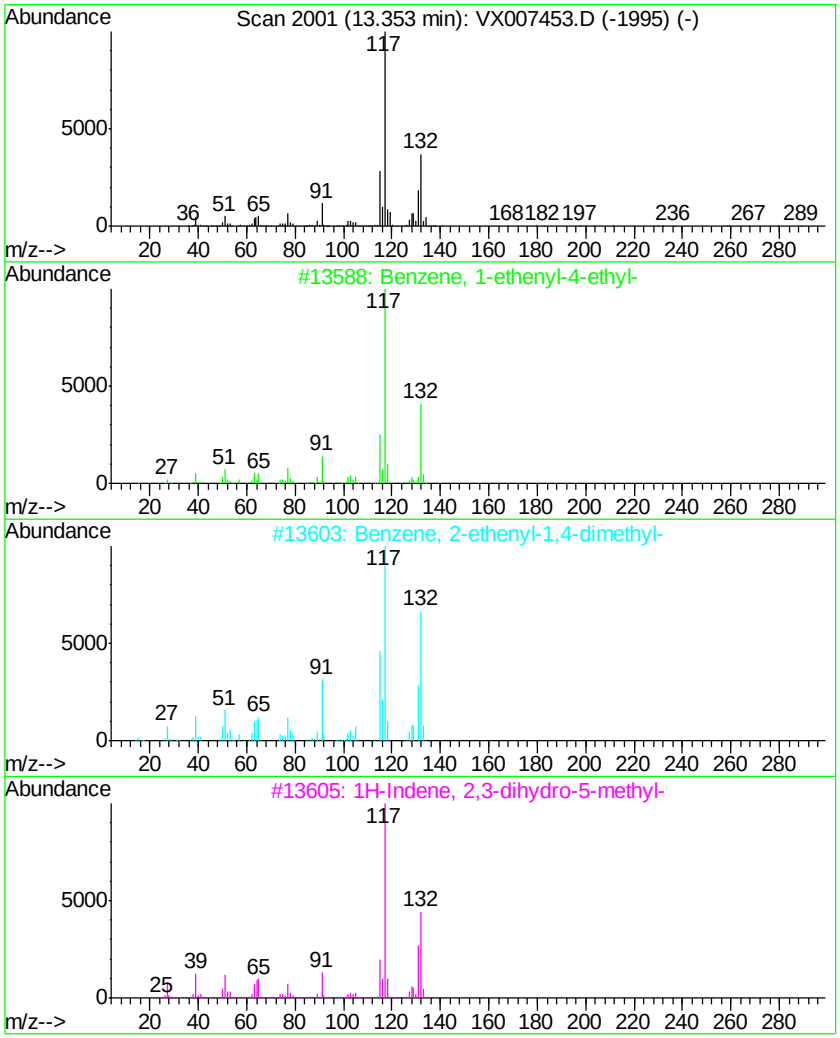
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

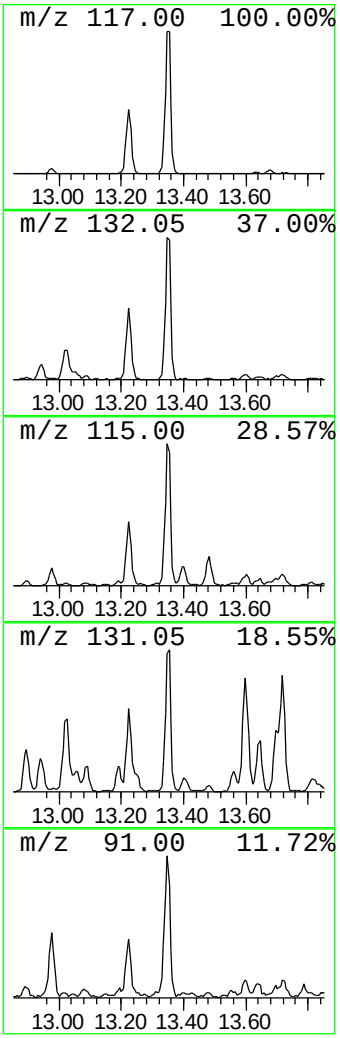
****

Peak Number 8 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	20.17 ug/l	712180	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

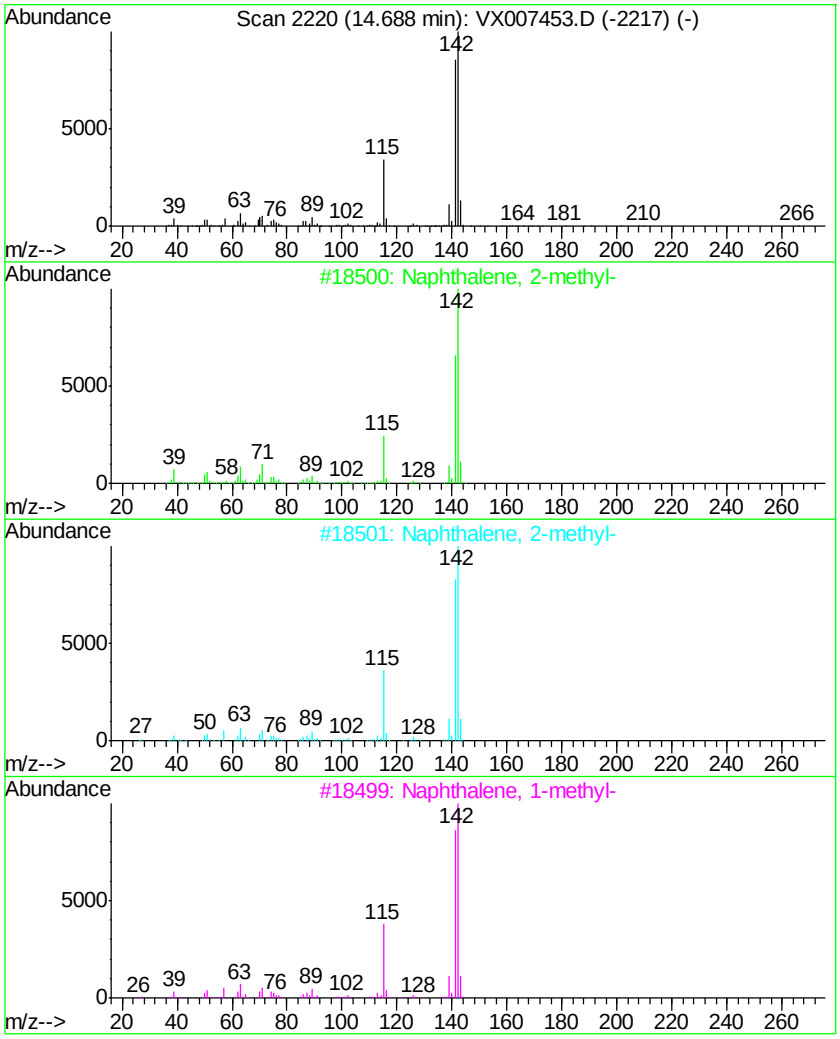
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

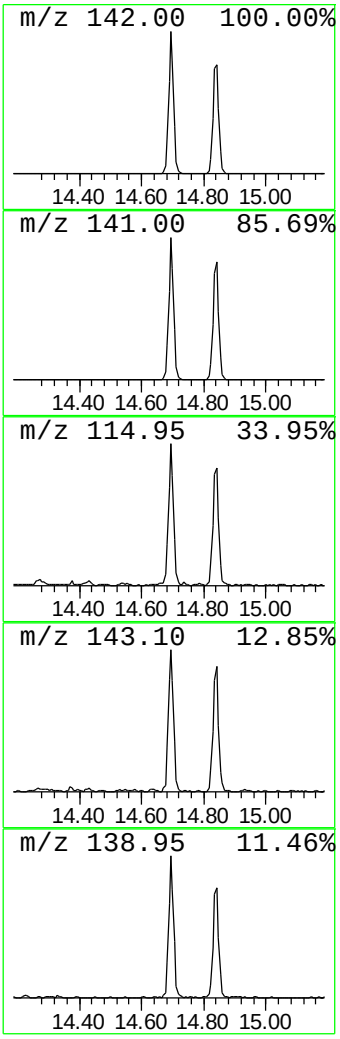
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	12.71 ug/l	448583	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007453.D
Acq On : 08 Feb 2019 20:09
Operator : JC/SP
Sample : K1451-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : HOSPITAL-BOX-CULVERT-TP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.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
Butane, 2-methyl-	1.79	27.5	ug/l	451010	1	5.02	491758	30.0
Cyclopropane, 1,1...	2.27	14.0	ug/l	229681	1	5.02	491758	30.0
Cyclopentane	2.93	31.9	ug/l	522922	1	5.02	491758	30.0
Pentane, 3-methyl-	3.17	20.4	ug/l	333927	1	5.02	491758	30.0
Cyclopentene, 1,5...	8.21	12.2	ug/l	412725	2	6.86	1013620	30.0
Indane	12.30	70.8	ug/l	2498480	3	10.11	1059100	30.0
Benzene, 1-etheny...	12.76	16.2	ug/l	571743	3	10.11	1059100	30.0
Benzene, 1-etheny...	13.35	20.2	ug/l	712180	3	10.11	1059100	30.0
Naphthalene, 1-me...	14.69	12.7	ug/l	448583	3	10.11	1059100	30.0