LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82X050420W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.392	47	50	54	rBV	27780	24868	1.95%	0.198%
2	1.776	108	113	121	rVB	114324	154561	12.15%	1.231%
3	1.983	142	147	157	rVB	64830	94384	7.42%	0.752%
4	2.099	161	166	171	rBV2	8483	13382	1.05%	0.107%
5	2.825	280	285	288	rBV2	8012	16261	1.28%	0.130%
6	2.873	288	293	297	rVV	17074	29812	2.34%	0.237%
7	3.154	330	339	348	rBV	19818	44691	3.51%	0.356%
8	3.373	368	375	386	rVB2	10262	25372	1.99%	0.202%
9	3.501	386	396	406	rBV	12267	29046	2.28%	0.231%
10	3.794	437	444	454	rVB2	19973	48017	3.77%	0.382%
11	3.898	454	461	469	rBV3	11494	31357	2.46%	0.250%
12	4.166	497	505	517	rBV3	15878	42616	3.35%	0.339%
13	4.373	530	539	553	rVB	33003	95076	7.47%	0.757%
14	4.501	553	560	569	rBV4	4679	12922	1.02%	0.103%
15	4.647	576	584	595	rVB	6983	22296	1.75%	0.178%
16	5.275	675	687	698	rVB3	10817	35710	2.81%	0.284%
17	5.470	707	719	728	rBV	138041	398948	31.35%	3.177%
18	5.550	728	732	736	rVV2	14161	34872	2.74%	0.278%
19	5.629	736	745	759	rVB	243300	691608	54.35%	5.508%
20	6.031	800	811	827	rBV	150531	397143	31.21%	3.163%
21	6.836	932	943	953	rBV	379807	938242	73.74%	7.472%
22	6.915	953	956	966	rVB4	14234	35420	2.78%	0.282%
23	7.232	1001	1008	1018	rVB2	12493	28376	2.23%	0.226%
24	7.440	1032	1042	1053	rBV5	12768	31816	2.50%	0.253%
25	8.196	1154	1166	1171	rBV	20944	40395	3.17%	0.322%
26	8.555	1218	1225	1232	rVB	14041	25221	1.98%	0.201%
27	8.695	1241	1248	1257	rBV	808749	1272394	100.00%	10.134%
28	10.098	1472	1478	1493	rVB	836374	1141670	89.73%	9.093%
29	10.238	1495	1501	1506	rBV	220513	286503	22.52%	2.282%
30	10.341	1512	1518	1531	rVB	640778	855135	67.21%	6.811%
31	10.683	1568	1574	1582	rBV	105147	135432	10.64%	1.079%
32	11.000	1619	1626	1630	rBV	59513	83321	6.55%	0.664%
33	11.030	1630	1631	1640	rVV	14562	18248	1.43%	0.145%
34	11.122	1640	1646	1655	rVB	738862	918515	72.19%	7.315%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82X050420W.M
Title : SW846 8260

35	11.347	1677	1683	1689	rBV	160070	203353	15.98%	1.620%
36	11.421	1689	1695	1697	rBV	337768	474374	37.28%	3.778%
37	11.494	1703	1707	1714	rVB	155476	201321	15.82%	1.603%
38	11.652	1727	1733	1742	rBV	259893	324190	25.48%	2.582%
39	11.792	1750	1756	1762	rBV	774946	920660	72.36%	7.332%
40	12.012	1787	1792	1795	rBV	11196	14260	1.12%	0.114%
41	12.061	1795	1800	1806	rVV	935223	1171765	92.09%	9.332%
42	12.128	1806	1811	1817	rVB	195435	232000	18.23%	1.848%
43	12.286	1831	1837	1844	rBV	170141	238852	18.77%	1.902%
44	12.359	1844	1849	1855	rVB3	37343	61557	4.84%	0.490%
45	12.445	1859	1863	1868	rBV2	10780	15250	1.20%	0.121%
46	12.500	1868	1872	1878	rVB	13983	18151	1.43%	0.145%
47	12.573	1878	1884	1886	rBV	30313	43847	3.45%	0.349%
48	12.597	1886	1888	1893	rVV2	23336	27049	2.13%	0.215%
49	12.652	1893	1897	1900	rVV	56697	68399	5.38%	0.545%
50	12.683	1900	1902	1907	rVB	18674	22366	1.76%	0.178%
51	12.737	1907	1911	1920	rBV2	66947	92751	7.29%	0.739%
52	12.890	1931	1936	1941	rVB	14048	18421	1.45%	0.147%
53	12.963	1943	1948	1951	rBV	33301	40655	3.20%	0.324%
54	13.000	1951	1954	1960	rVB	29637	38200	3.00%	0.304%
55	13.207	1981	1988	1994	rBV	43081	57258	4.50%	0.456%
56	13.335	2003	2009	2014	rVB2	92403	122958	9.66%	0.979%
57	13.463	2025	2030	2035	rVB	17936	23038	1.81%	0.183%
58	13.816	2083	2088	2097	rVB	58133	71676	5.63%	0.571%

Sum of corrected areas: 12555981

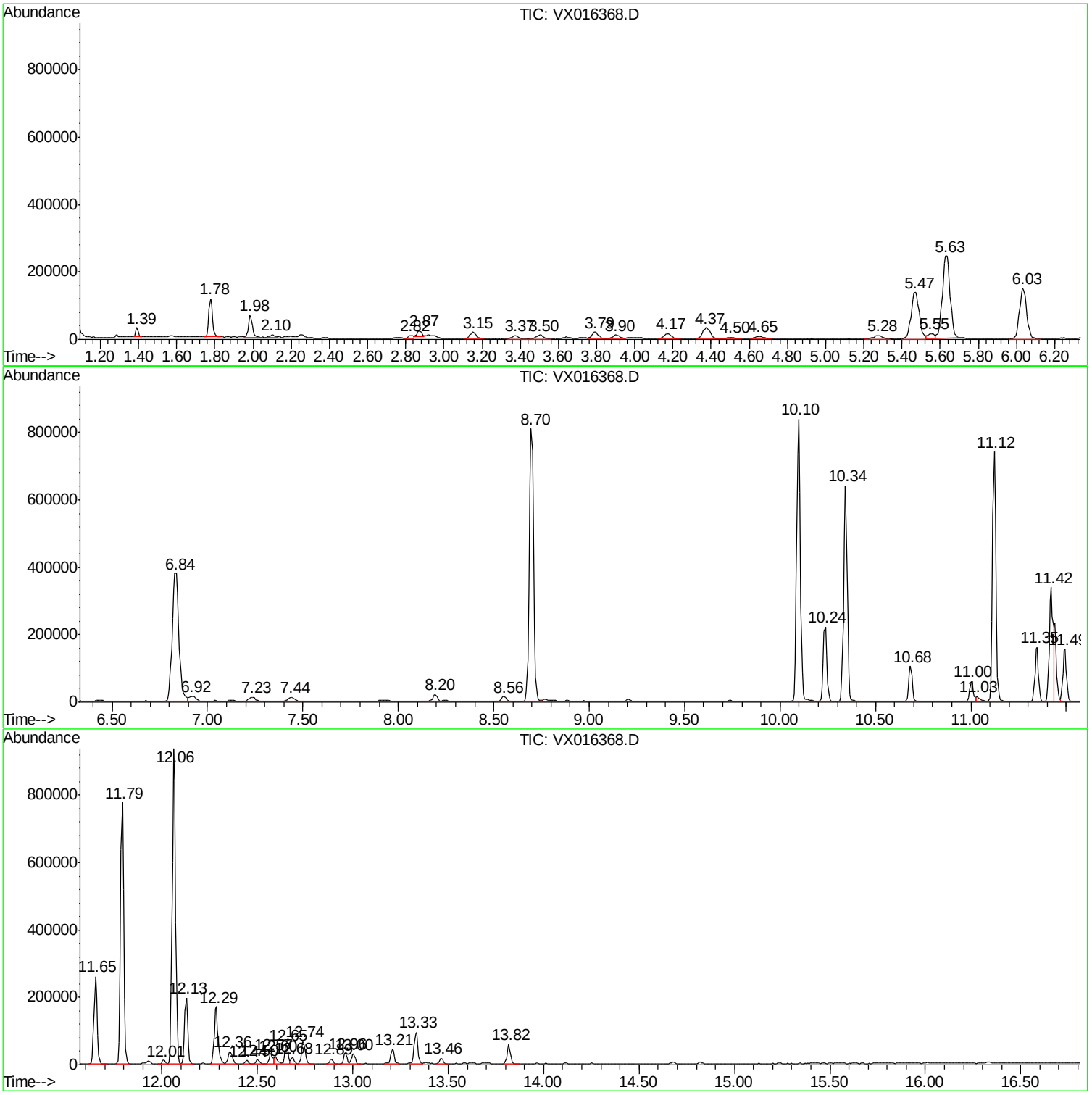
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

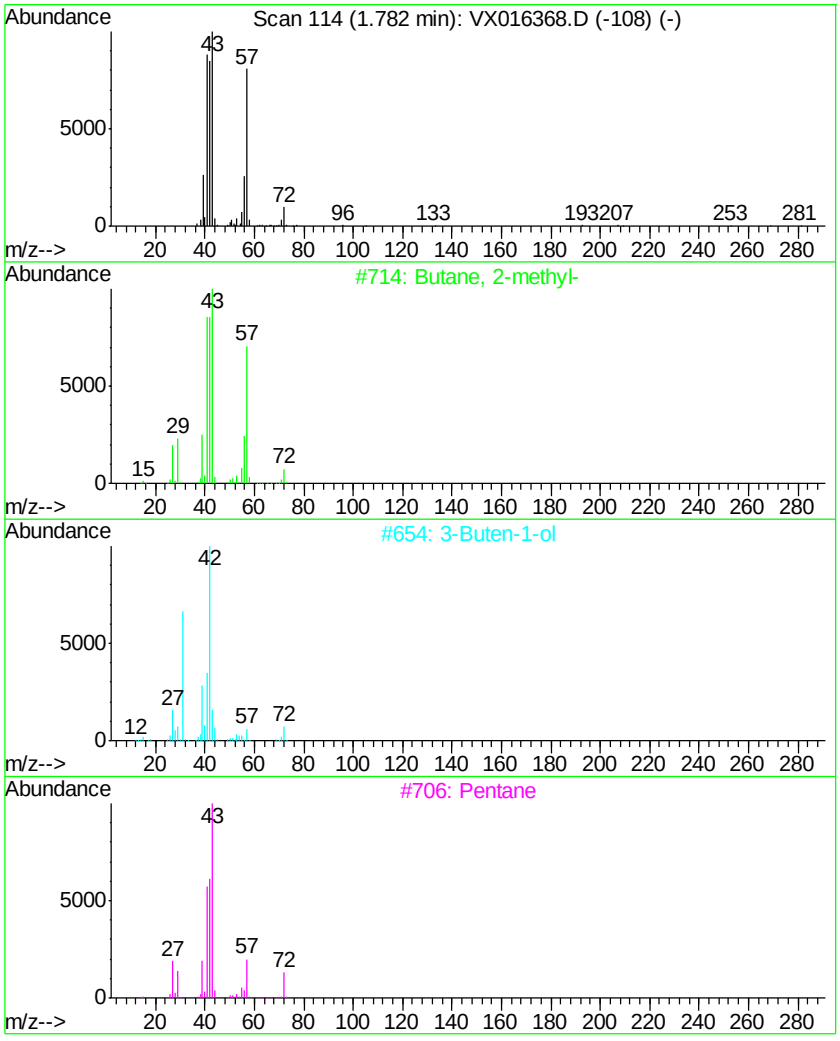
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

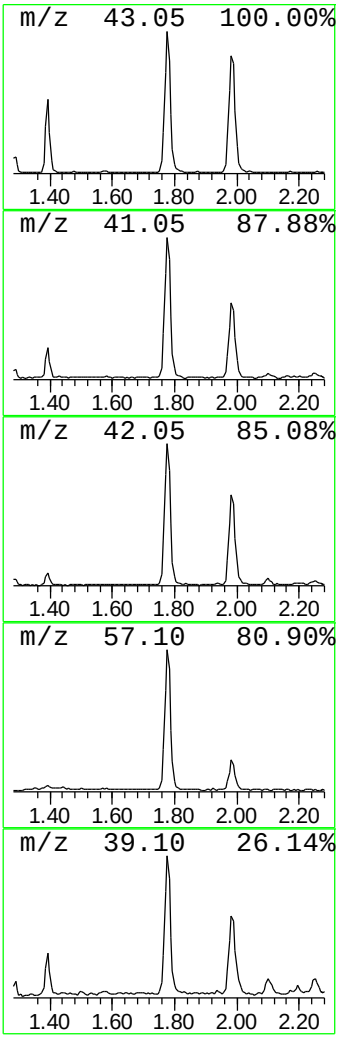
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	11.17 ug/l	154561	Pentafluorobenzene	5.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Pentane	72	C5H12	000109-66-0	38
4	1,1-Diisobutoxy-butane	202	C12H26O2	013002-16-9	27
5	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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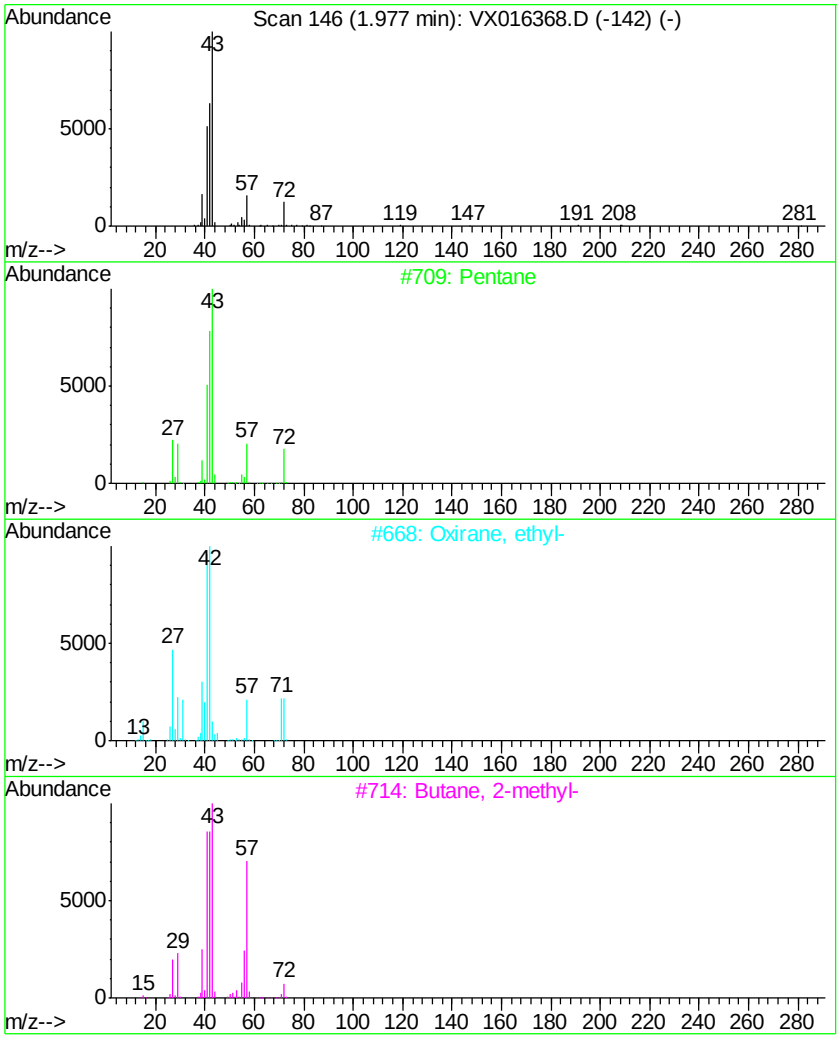
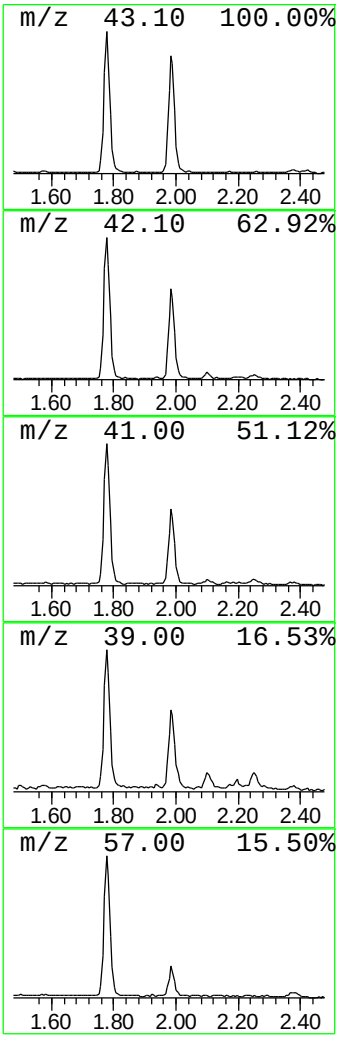
Peak Number 2 Pentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.98	6.82 ug/l	94384	Pentafluorobenzene	5.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	42
3	Butane, 2-methyl-	72	C5H12	000078-78-4	42
4	2-Butanone	72	C4H8O	000078-93-3	16
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

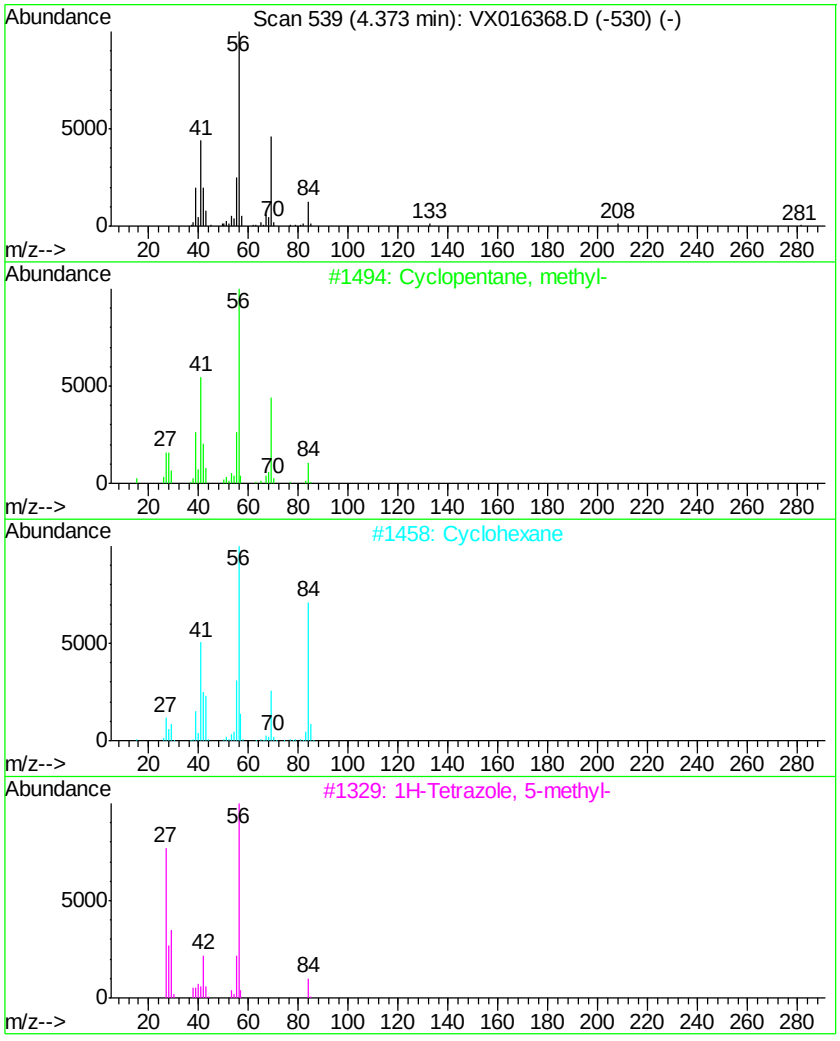
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

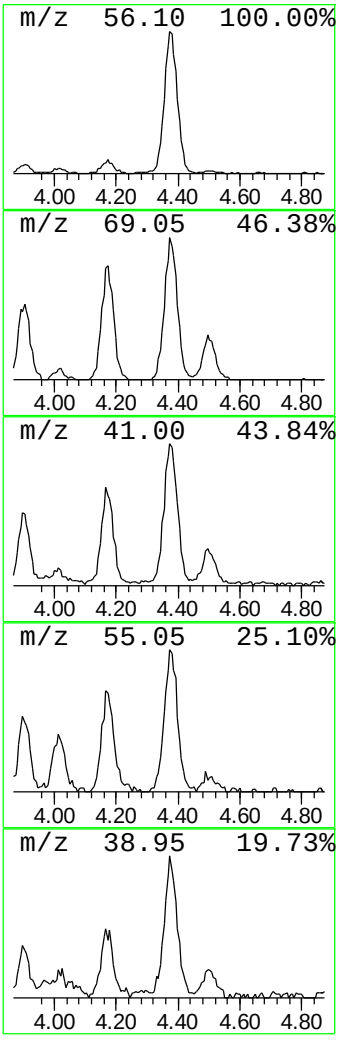
****

Peak Number 3 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	6.87 ug/l	95076	Pentafluorobenzene	5.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	53
5	Cyclobutane, butyl-	112	C8H16	013152-44-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

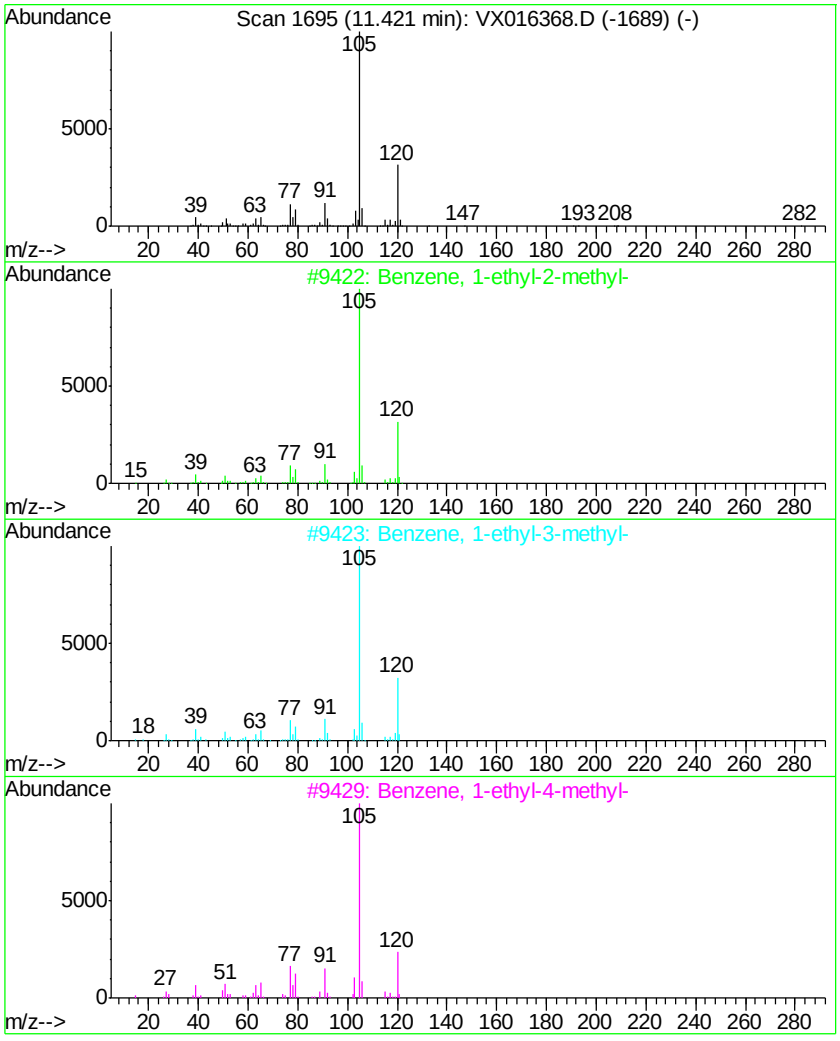
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

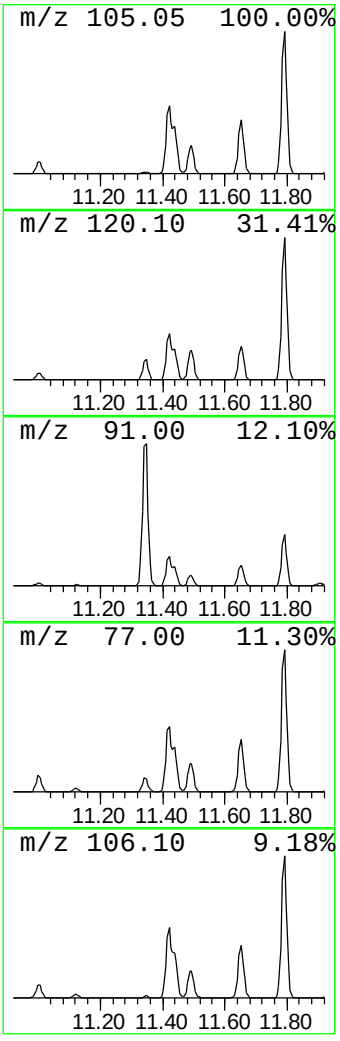
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	20.24 ug/l	474374	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

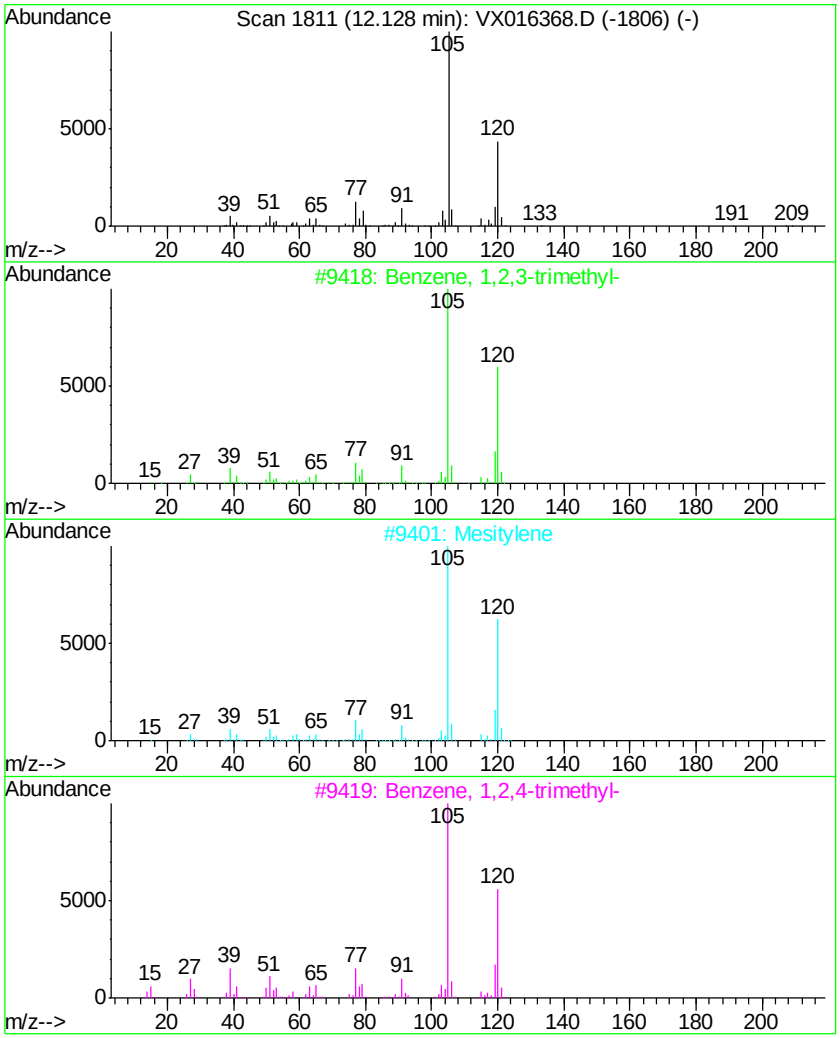
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

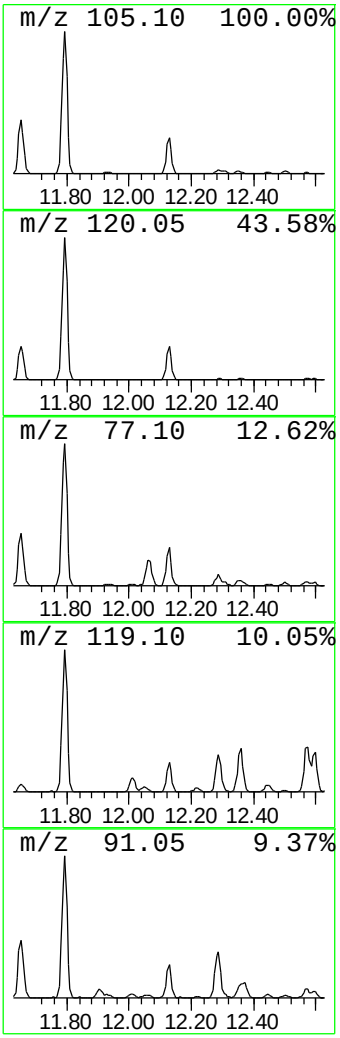
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	9.90 ug/l	232000	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

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Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

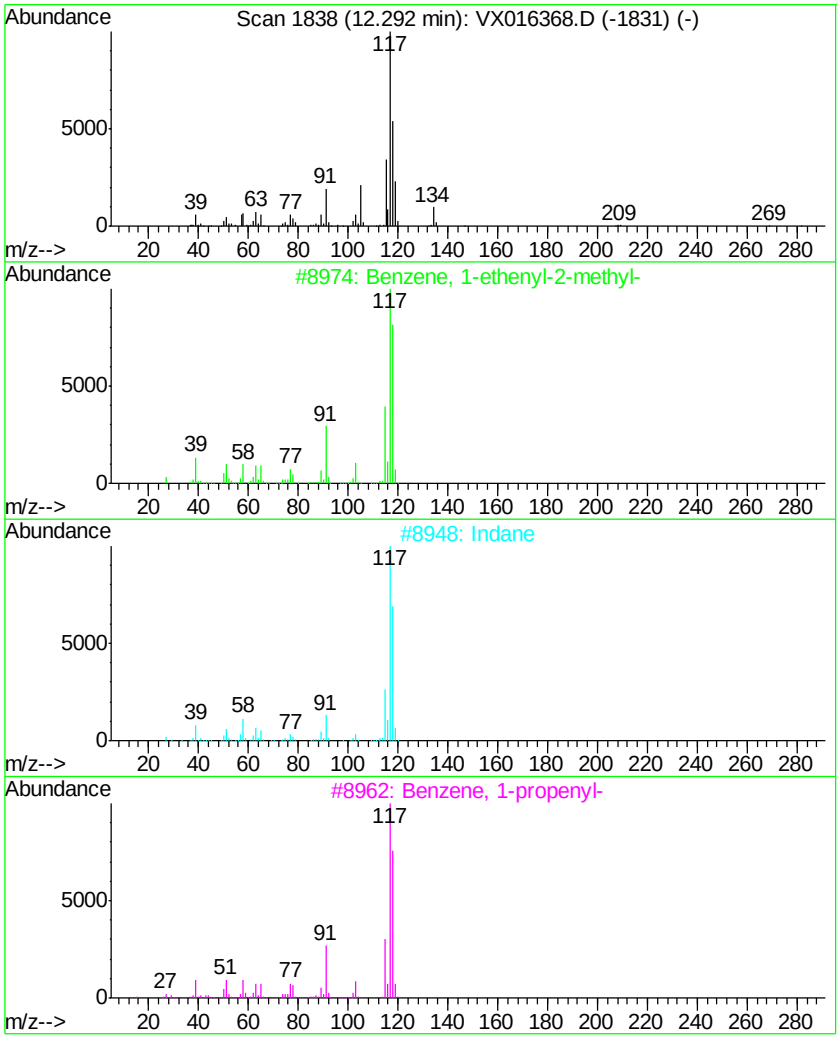
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

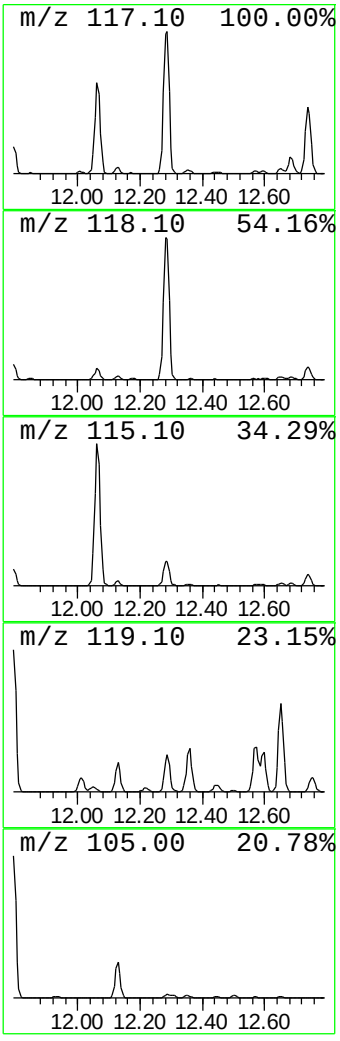
****

Peak Number 7 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	10.19 ug/l	238852	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70





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Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

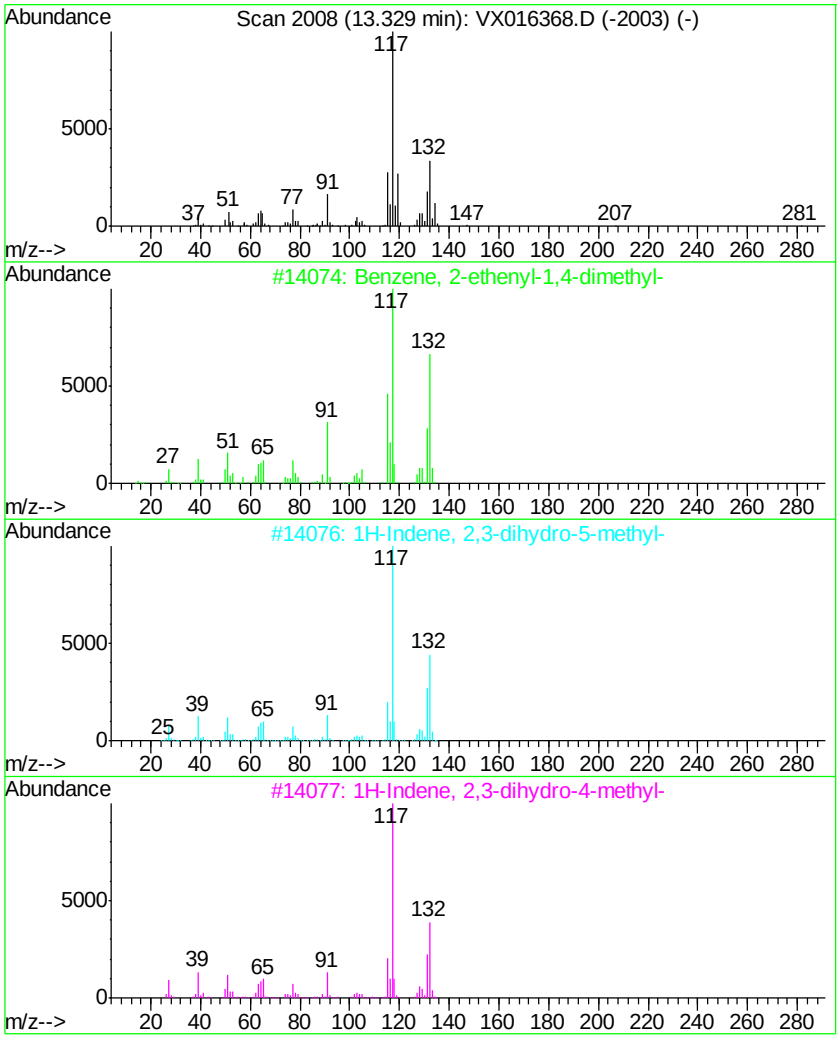
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

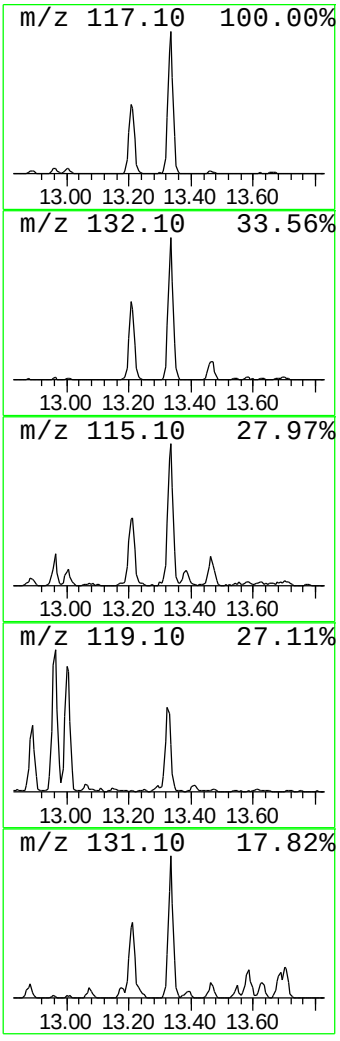
****

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	5.25 ug/l	122958	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052020\
Data File : VX016368.D
Acq On : 20 May 2020 18:15
Operator : JC/SP
Sample : L2684-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	1.78	11.2	ug/l	154561	1	5.63	691608	50.0
Pentane	1.98	6.8	ug/l	94384	1	5.63	691608	50.0
Cyclopentane, met...	4.37	6.9	ug/l	95076	1	5.63	691608	50.0
Benzene, 1-ethyl-...	11.42	20.2	ug/l	474374	4	12.06	1171770	50.0
Benzene, 1,2,3-tr...	12.13	9.9	ug/l	232000	4	12.06	1171770	50.0
Benzene, 1-etheny...	12.29	10.2	ug/l	238852	4	12.06	1171770	50.0
Benzene, 2-etheny...	13.33	5.3	ug/l	122958	4	12.06	1171770	50.0