LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

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\82X061919W.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	1.404	37	41	46	rBV	188022	186061	1.06%	0.167%
2	1.788	99	104	120	rVB	4645266	6816757	38.75%	6.120%
3	2.001	133	139	153	rVB	1298829	1832219	10.41%	1.645%
4	2.391	193	203	209	rBV	138347	285071	1.62%	0.256%
5	2.849	271	278	281	rBV	257812	543569	3.09%	0.488%
6	2.891	281	285	287	rVV	368125	653063	3.71%	0.586%
7	2.934	287	292	314	rVB	1076277	2542769	14.45%	2.283%
8	3.172	320	331	343	rBV	450047	1041359	5.92%	0.935%
9	3.818	430	437	446	rVB	170586	413953	2.35%	0.372%
10	3.928	446	455	461	rBV	140870	359671	2.04%	0.323%
11	4.202	490	500	515	rBV	98798	267265	1.52%	0.240%
12	4.403	521	533	546	rBV	1593250	4693232	26.68%	4.214%
13	5.306	672	681	696	rVB2	58491	193347	1.10%	0.174%
14	5.501	699	713	718	rBV2	172798	505380	2.87%	0.454%
15	5.580	718	726	734	rVV	897881	2771475	15.75%	2.488%
16	5.665	734	740	770	rVB	293208	1019842	5.80%	0.916%
17	6.062	797	805	818	rBV	155230	398938	2.27%	0.358%
18	6.860	926	936	944	rBV	430704	1047009	5.95%	0.940%
19	7.464	1022	1035	1046	rBV4	224726	593802	3.38%	0.533%
20	7.958	1113	1116	1123	rVB	101589	179676	1.02%	0.161%
21	8.214	1142	1158	1164	rBV	180851	340182	1.93%	0.305%
22	8.567	1210	1216	1224	rVB	253515	413806	2.35%	0.372%
23	8.713	1233	1240	1248	rBV	892116	1368179	7.78%	1.228%
24	8.902	1263	1271	1280	rBV	131311	213943	1.22%	0.192%
25	10.110	1464	1469	1474	rVB	831156	1118630	6.36%	1.004%
26	10.250	1487	1492	1497	rBV	1717981	2214408	12.59%	1.988%
27	10.353	1504	1509	1515	rVB	1794223	2467684	14.03%	2.216%
28	10.695	1560	1565	1572	rVB	131832	176551	1.00%	0.159%
29	11.018	1611	1618	1628	rVB	2440755	3084929	17.54%	2.770%
30	11.134	1632	1637	1648	rVB	766900	958530	5.45%	0.861%
31	11.359	1668	1674	1681	rBV	5168699	6256339	35.56%	5.617%
32	11.451	1684	1689	1693	rVV	195241	245635	1.40%	0.221%
33	11.506	1693	1698	1704	rVB	466873	568449	3.23%	0.510%
34	11.664	1719	1724	1734	rVB	3525881	4403916	25.03%	3.954%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

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\82X061919W.M
Title : SW846 8260

35	11.810	1742	1748	1753	rVB	14191290	17592227	100.00%	15.794%
36	11.945	1767	1770	1776	rVB	270304	329497	1.87%	0.296%
37	12.079	1786	1792	1797	rVB	902639	1195556	6.80%	1.073%
38	12.140	1797	1802	1808	rBV	5766905	7198414	40.92%	6.463%
39	12.298	1822	1828	1835	rVV	7784343	9514478	54.08%	8.542%
40	12.365	1835	1839	1850	rVB2	230577	359206	2.04%	0.322%
41	12.457	1850	1854	1859	rVB	215943	257209	1.46%	0.231%
42	12.518	1859	1864	1869	rVB	318495	387544	2.20%	0.348%
43	12.585	1870	1875	1877	rBV	465768	552675	3.14%	0.496%
44	12.609	1877	1879	1883	rVB	193853	205654	1.17%	0.185%
45	12.664	1883	1888	1892	rBV	1508535	1888852	10.74%	1.696%
46	12.701	1892	1894	1898	rVV	493808	499499	2.84%	0.448%
47	12.755	1898	1903	1910	rVB2	1777294	2367689	13.46%	2.126%
48	12.902	1921	1927	1932	rVB	425868	508265	2.89%	0.456%
49	12.975	1932	1939	1943	rBV	987249	1165288	6.62%	1.046%
50	13.018	1943	1946	1951	rVB	553278	631106	3.59%	0.567%
51	13.225	1975	1980	1990	rVB	1699260	2039591	11.59%	1.831%
52	13.347	1990	2000	2005	rBV2	3247742	4251839	24.17%	3.817%
53	13.481	2017	2022	2029	rVB	400146	526874	2.99%	0.473%
54	13.835	2074	2080	2086	rBV	5674728	7344372	41.75%	6.594%
55	14.694	2217	2221	2231	rVB	914221	1122234	6.38%	1.008%
56	14.834	2239	2244	2254	rVB	984280	1268815	7.21%	1.139%

Sum of corrected areas: 111382523

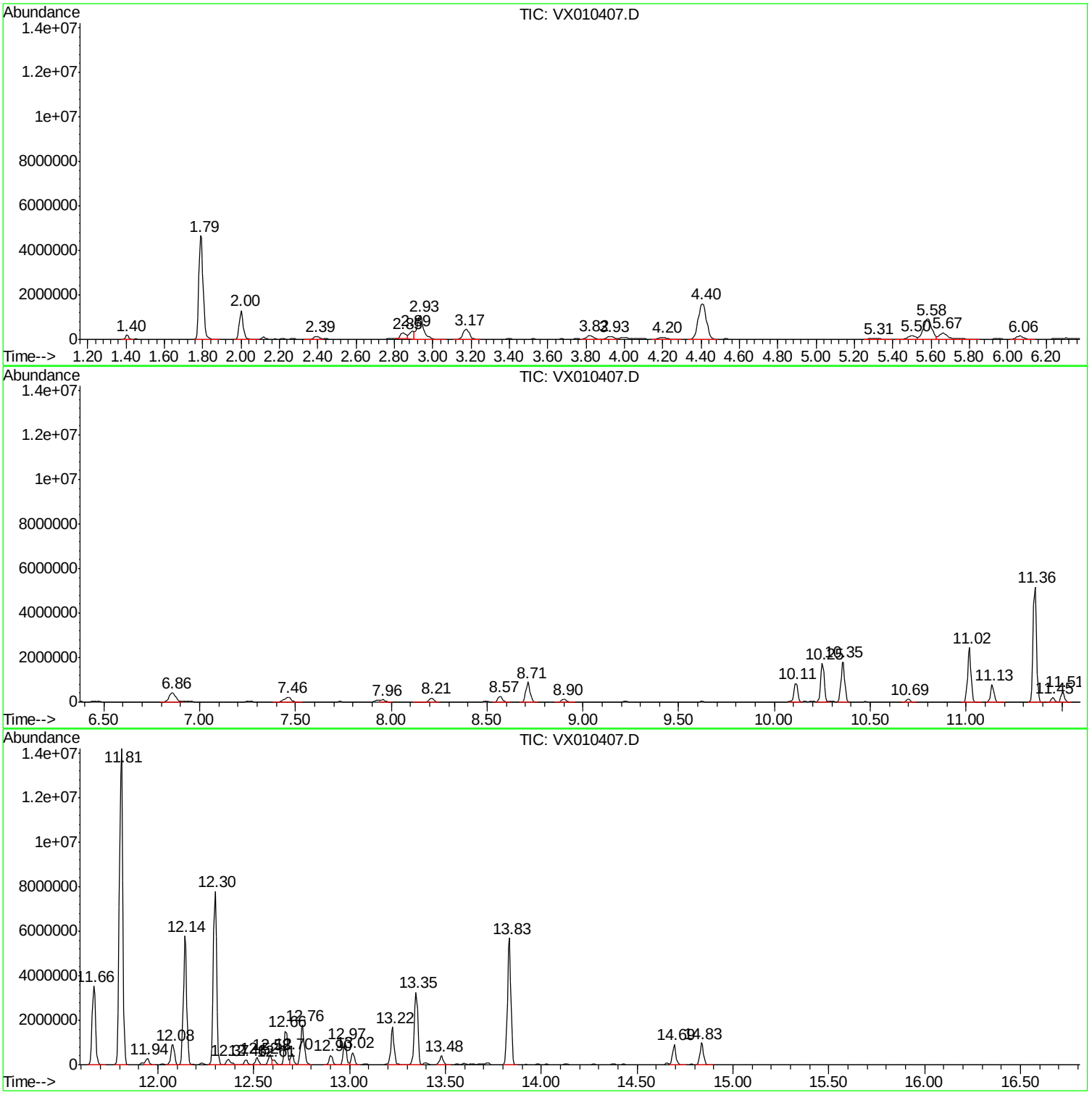
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

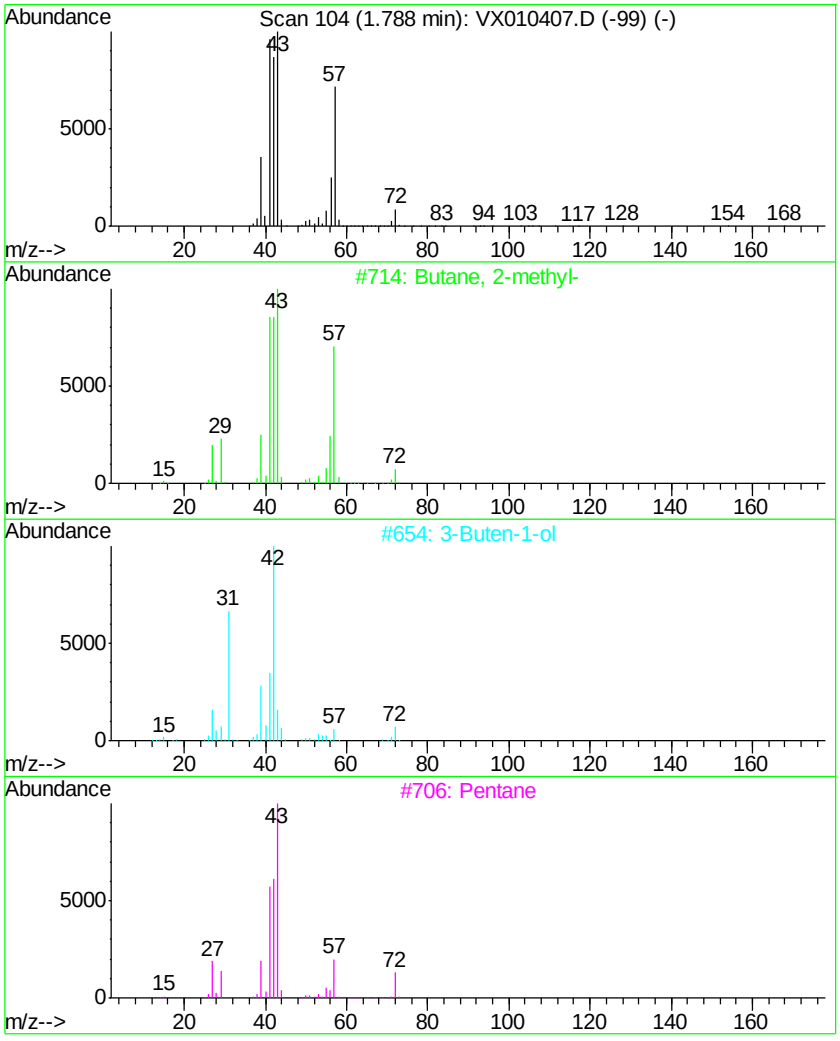
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

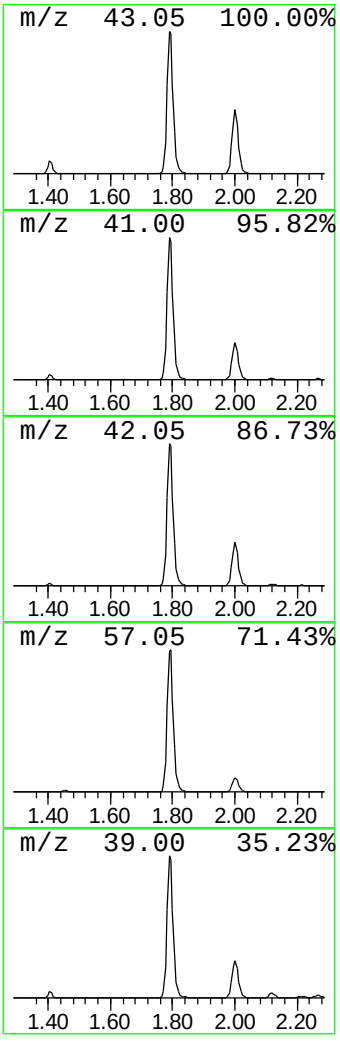
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	334.21 ug/l	6816760	Pentafluorobenzene	5.67

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	47
3	Pentane	72	C5H12	000109-66-0	36
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	27
5	1-Butene	56	C4H8	000106-98-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

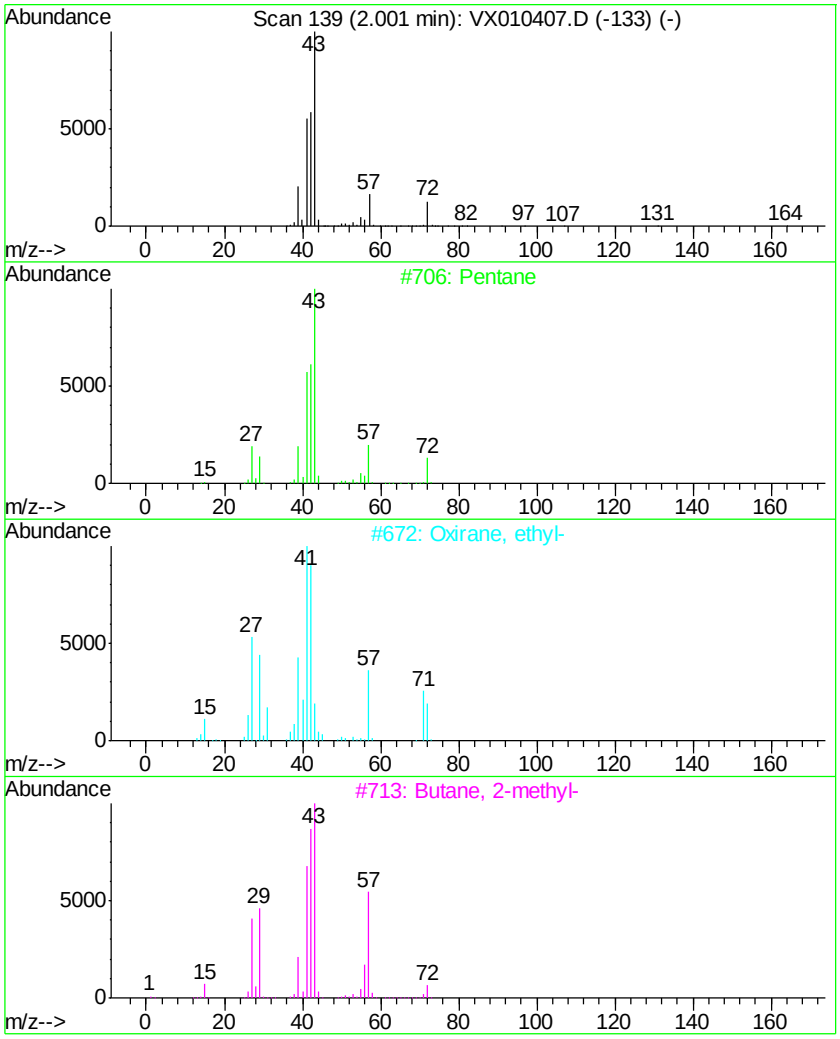
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

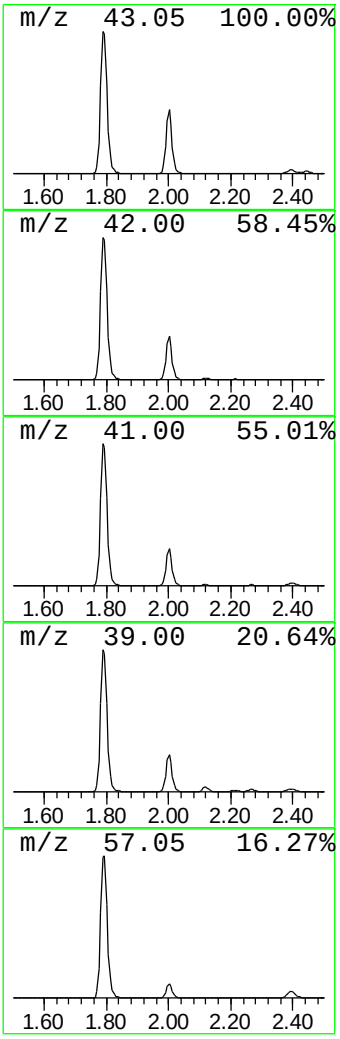
****

Peak Number 2 Pentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	89.83 ug/l	1832220	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	45
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	35
5	Tetrahydrofuran	72	C4H8O	000109-99-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

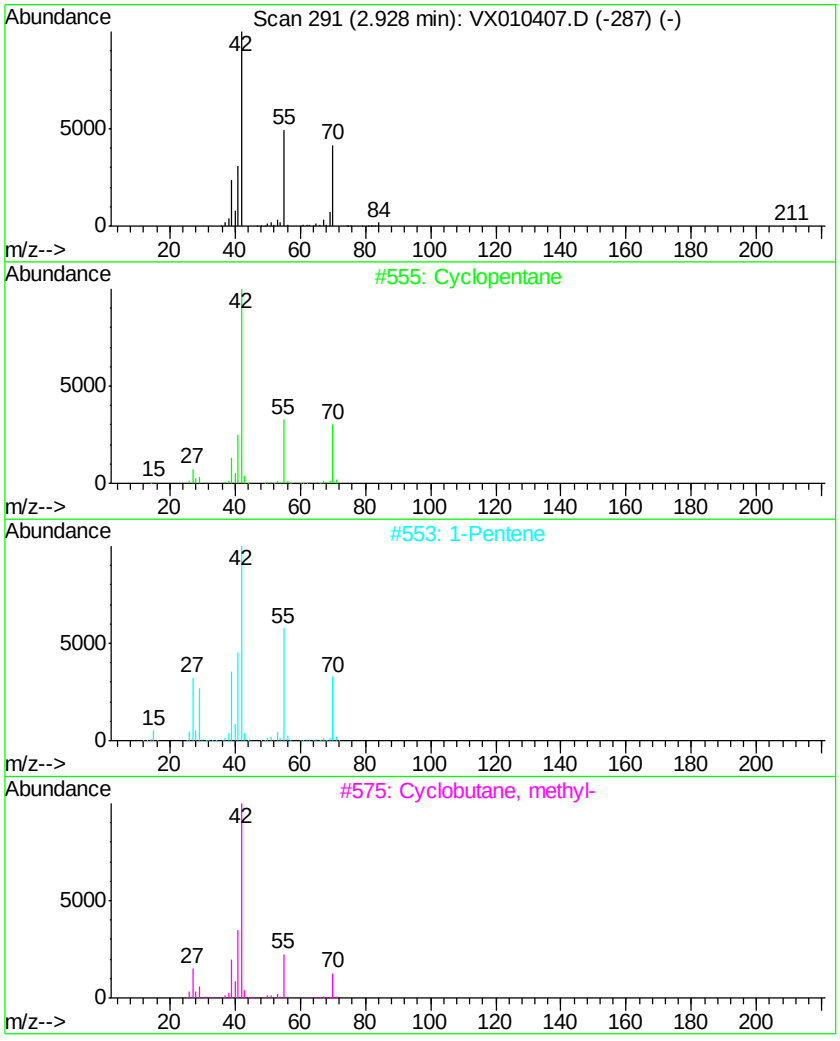
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

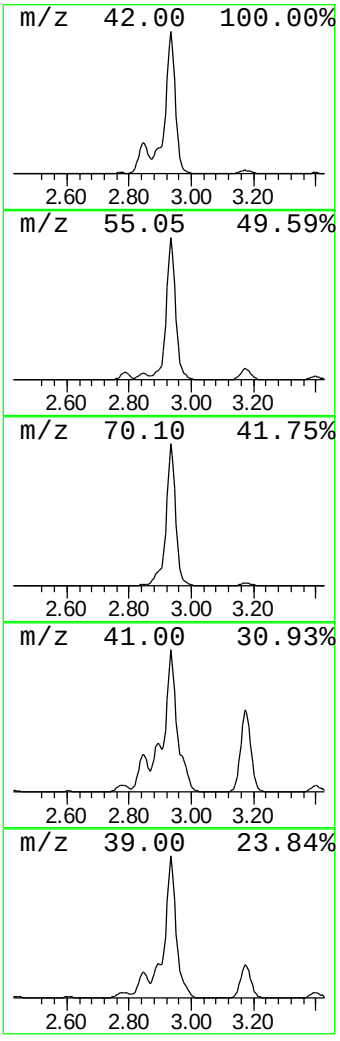
****

Peak Number 3 Cyclopentane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	124.67 ug/l	2542770	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	1-Pentene	70	C5H10	000109-67-1	72
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	38
5	2-Pentene	70	C5H10	000109-68-2	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

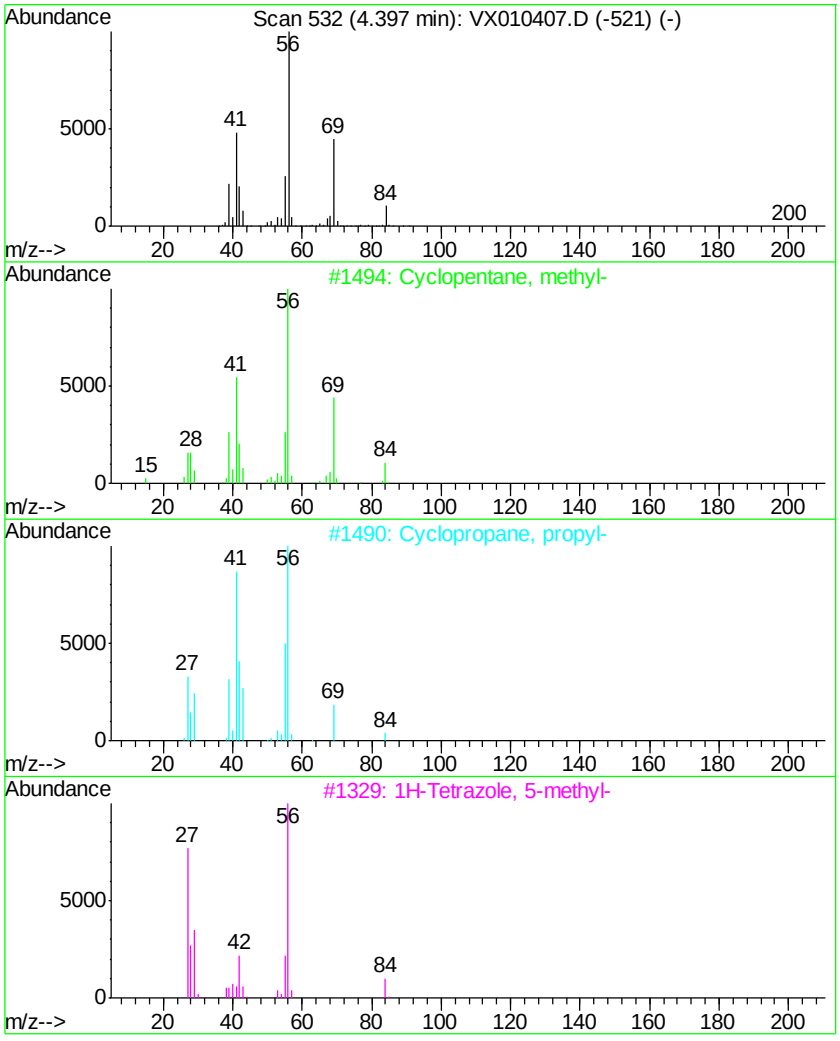
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

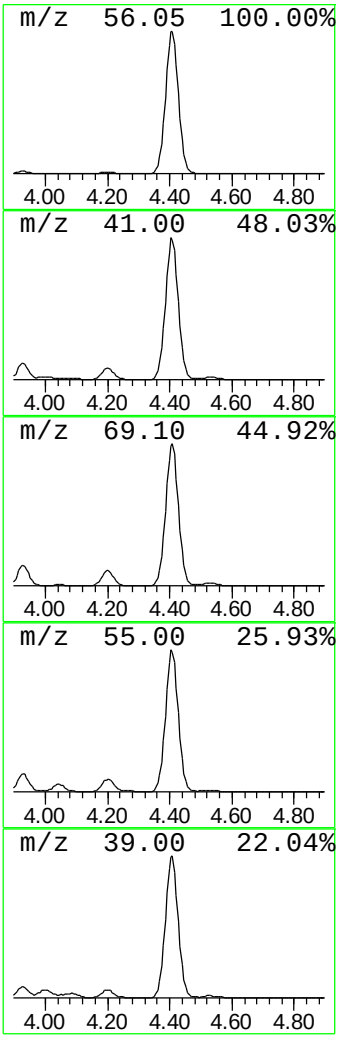
****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	230.10 ug/l	4693230	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclohexane	84	C6H12	000110-82-7	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

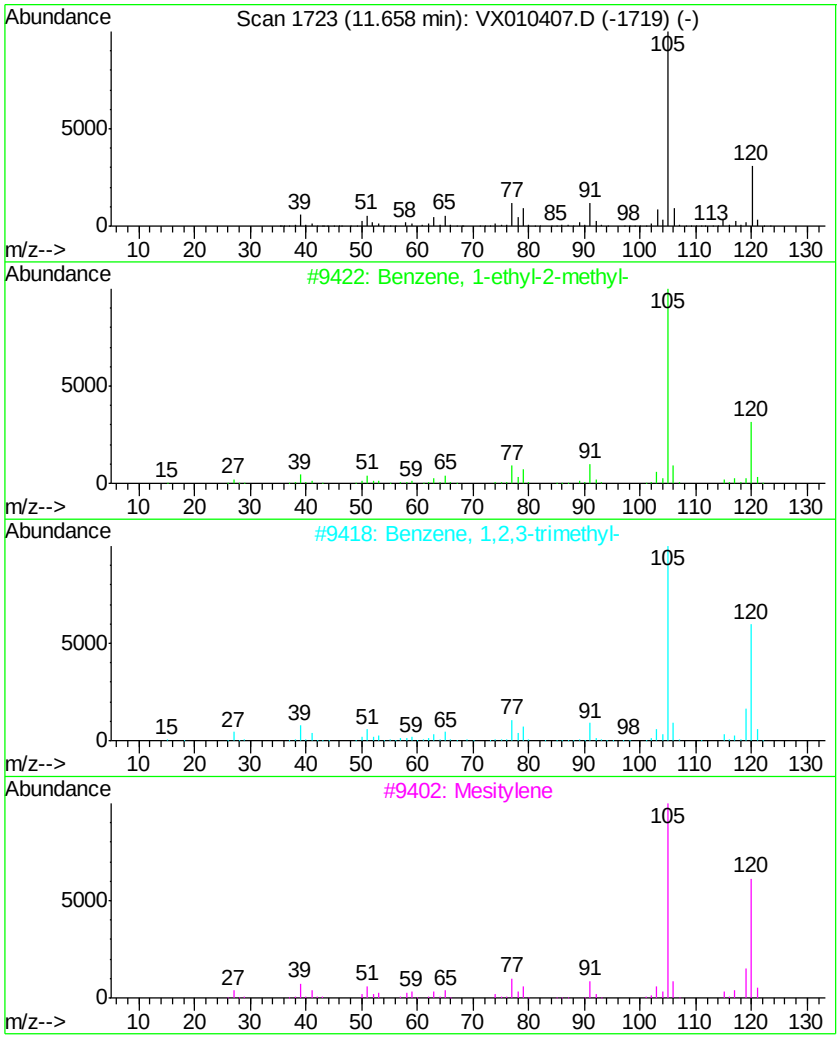
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

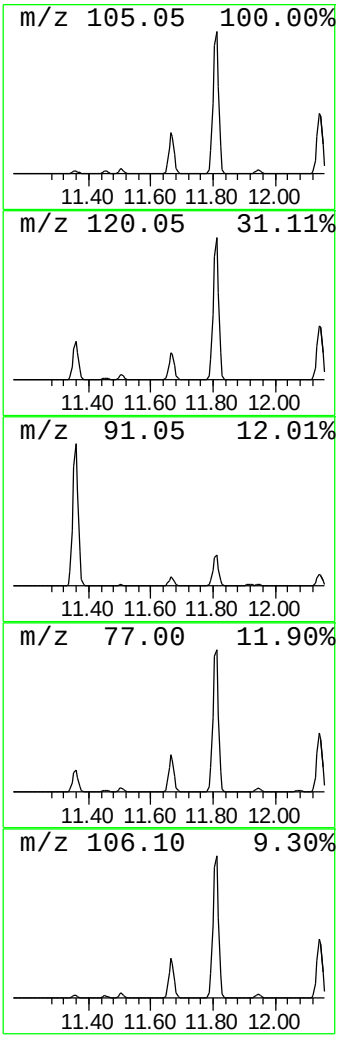
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	184.18 ug/l	4403920	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

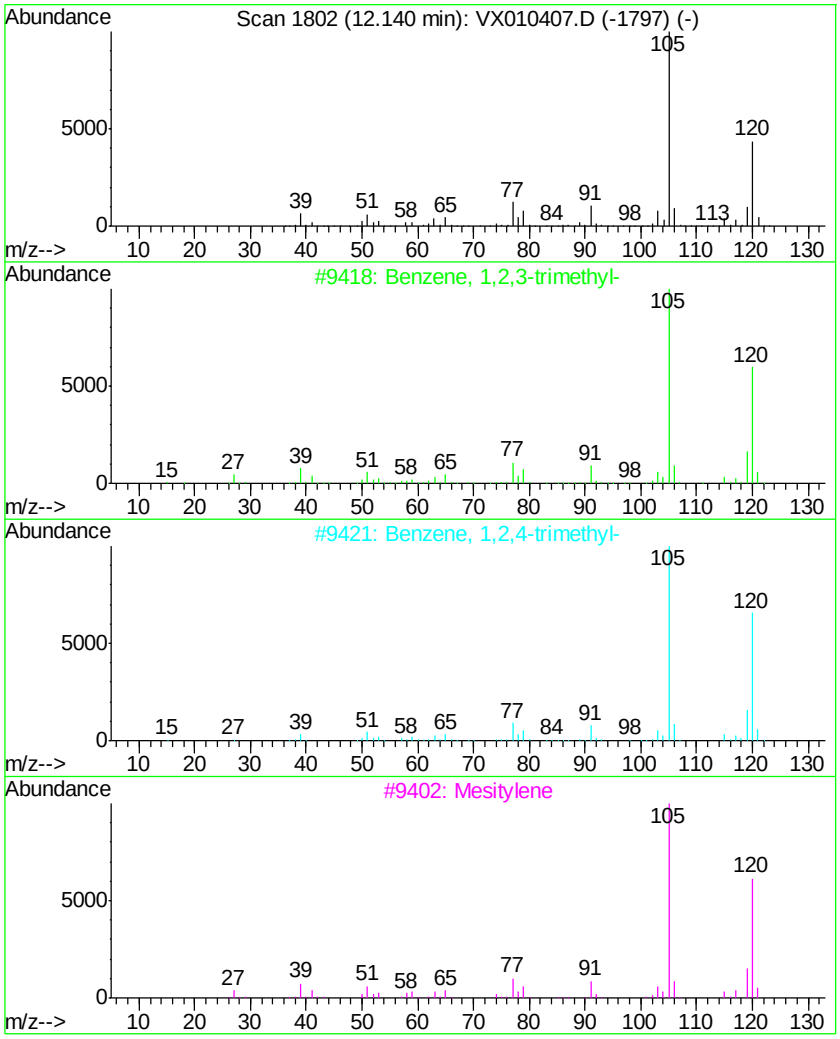
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

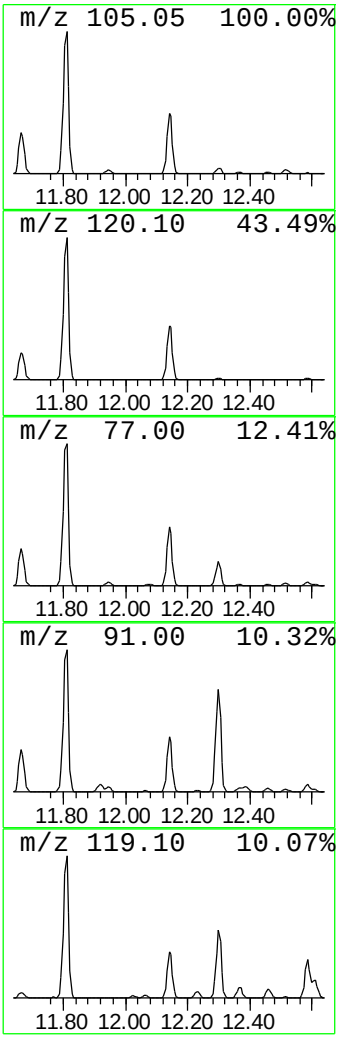
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	301.05 ug/l	7198410	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

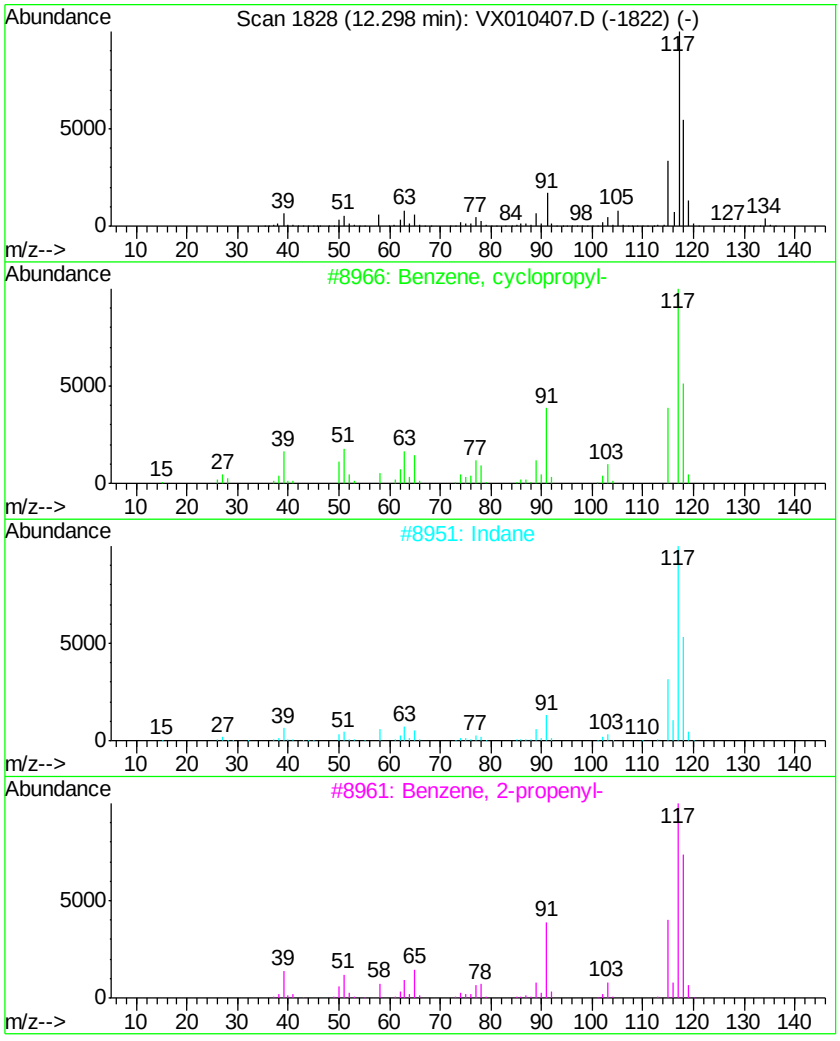
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

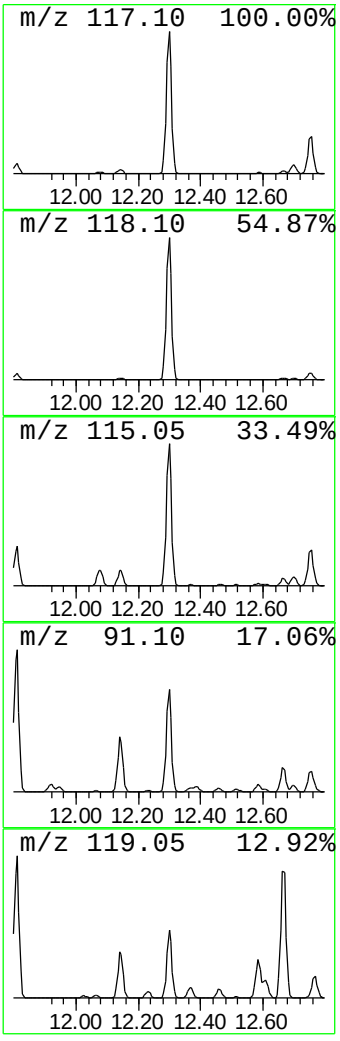
****

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	397.91 ug/l	9514480	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Deltacyclene	118	C9H10	007785-10-6	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

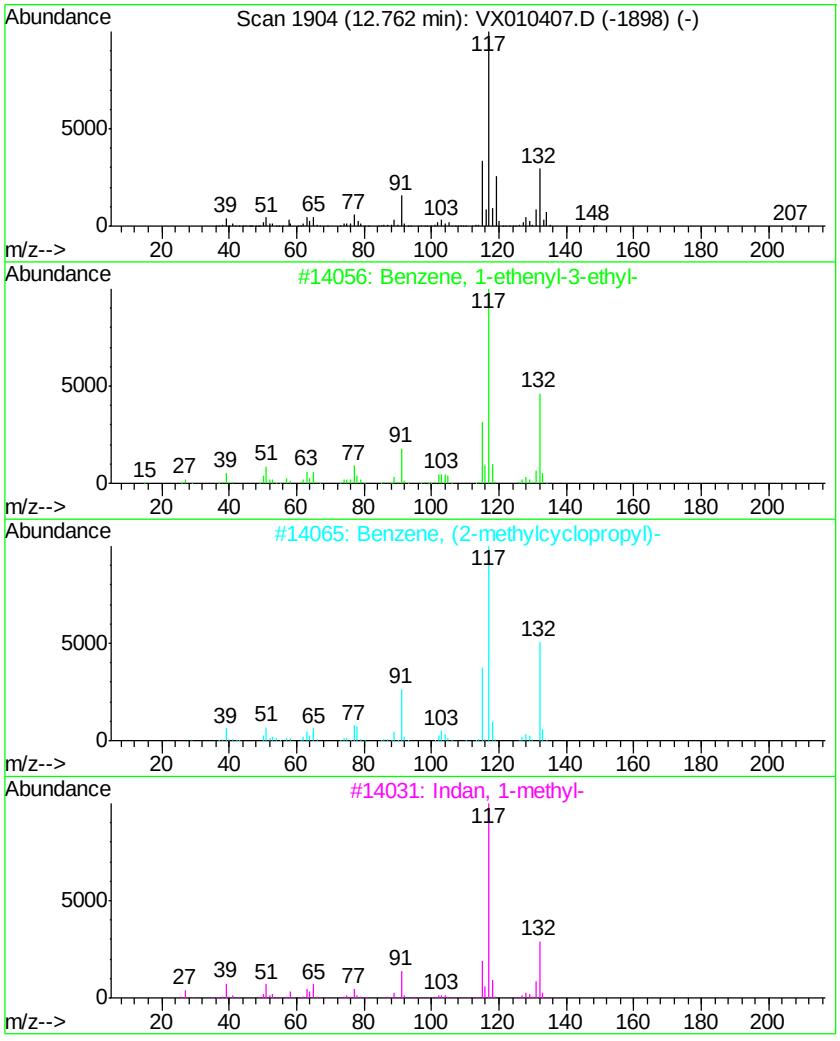
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

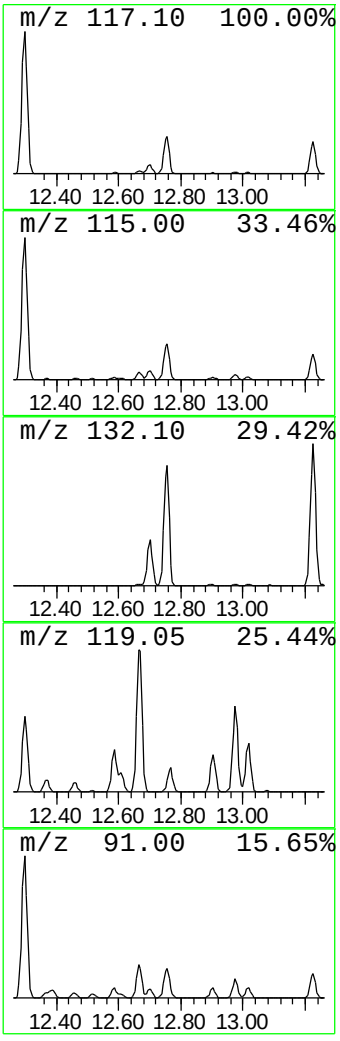
****

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	99.02 ug/l	2367690	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

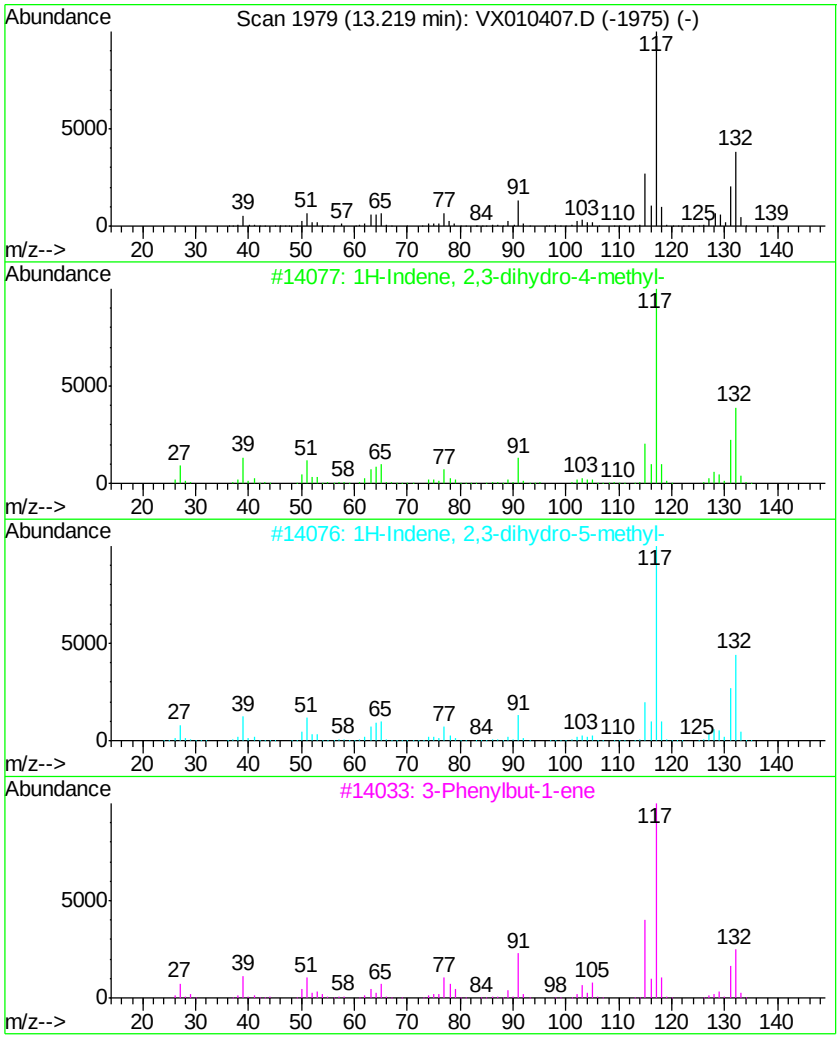
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

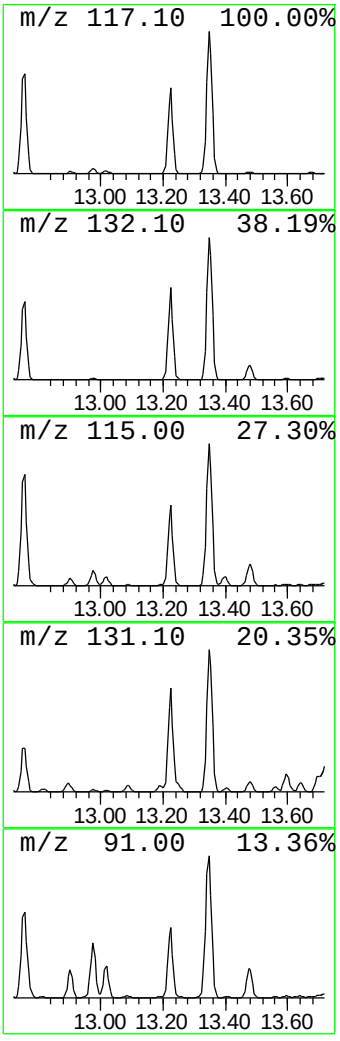
****

Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	85.30 ug/l	2039590	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

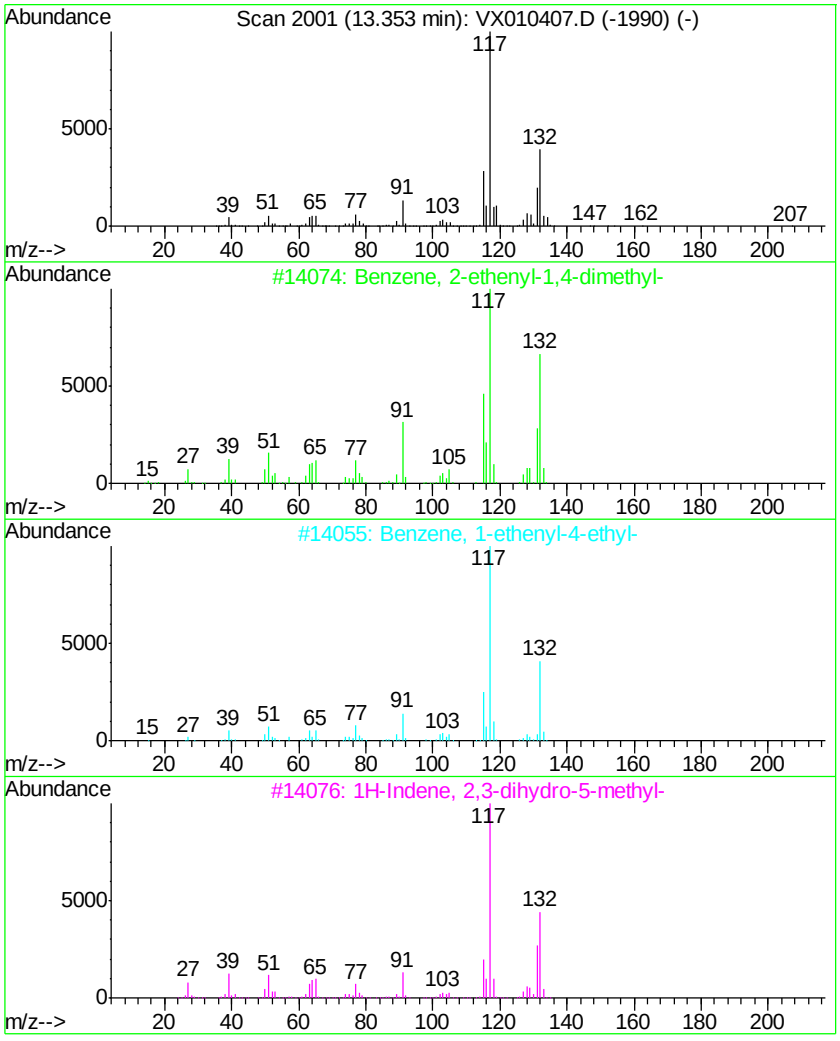
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

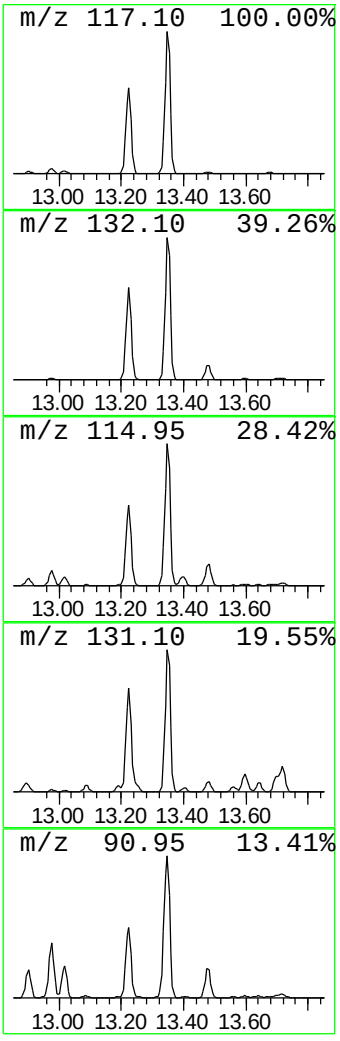
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	177.82 ug/l	4251840	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062419\
Data File : VX010407.D
Acq On : 24 Jun 2019 12:54
Operator : JC/SP
Sample : K3500-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : GW-A-061919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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-	1.79	334.2	ug/l	6816760	1	5.67	1019840	50.0
Pentane	2.00	89.8	ug/l	1832220	1	5.67	1019840	50.0
Cyclopentane	2.93	124.7	ug/l	2542770	1	5.67	1019840	50.0
Cyclopentane, met...	4.40	230.1	ug/l	4693230	1	5.67	1019840	50.0
Benzene, 1-ethyl-...	11.66	184.2	ug/l	4403920	4	12.08	1195560	50.0
Benzene, 1,2,3-tr...	12.14	301.1	ug/l	7198410	4	12.08	1195560	50.0
Benzene, cyclopro...	12.30	397.9	ug/l	9514480	4	12.08	1195560	50.0
Benzene, 1-etheny...	12.76	99.0	ug/l	2367690	4	12.08	1195560	50.0
1H-Indene, 2,3-di...	13.22	85.3	ug/l	2039590	4	12.08	1195560	50.0
Benzene, 2-etheny...	13.35	177.8	ug/l	4251840	4	12.08	1195560	50.0