LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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	2.891	280	285	302	rVB	110717	287454	1.73%	0.266%
2	3.171	322	331	344	rBV	130588	302146	1.82%	0.279%
3	4.403	524	533	544	rVB	149016	442709	2.67%	0.409%
4	5.500	697	713	719	rBV	180295	519139	3.13%	0.480%
5	5.586	719	727	733	rVV3	162960	480912	2.90%	0.445%
6	5.665	733	740	747	rVB	234274	601759	3.63%	0.556%
7	5.933	770	784	796	rBV4	110225	353539	2.13%	0.327%
8	6.061	796	805	813	rBV	157810	410738	2.48%	0.380%
9	6.262	829	838	847	rBV4	116626	385742	2.32%	0.357%
10	6.360	847	854	862	rVV2	139630	382802	2.31%	0.354%
11	6.457	862	870	883	rVB2	126899	350529	2.11%	0.324%
12	6.860	925	936	943	rBV	439809	1128492	6.80%	1.043%
13	6.939	946	949	962	rVB3	131415	320558	1.93%	0.296%
14	7.256	991	1001	1009	rBV	136920	304540	1.84%	0.282%
15	7.463	1022	1035	1045	rBV3	670026	1712599	10.32%	1.583%
16	7.732	1073	1079	1089	rVB	119045	237170	1.43%	0.219%
17	8.055	1123	1132	1143	rVB4	67328	216018	1.30%	0.200%
18	8.177	1143	1152	1154	rBV2	129700	247357	1.49%	0.229%
19	8.213	1154	1158	1163	rVB	315010	511424	3.08%	0.473%
20	8.573	1208	1217	1226	rVB2	291683	548695	3.31%	0.507%
21	8.670	1226	1233	1235	rBV3	124588	225258	1.36%	0.208%
22	8.713	1235	1240	1248	rVB	937713	1490523	8.98%	1.378%
23	8.988	1279	1285	1289	rBV	106805	172403	1.04%	0.159%
24	9.164	1306	1314	1319	rBV	126040	237520	1.43%	0.220%
25	9.219	1319	1323	1334	rVB	275356	463955	2.80%	0.429%
26	9.561	1375	1379	1385	rVB4	96247	197228	1.19%	0.182%
27	10.109	1465	1469	1474	rBV	870404	1153624	6.95%	1.067%
28	11.018	1612	1618	1625	rBV	2995300	3680136	22.18%	3.402%
29	11.133	1633	1637	1642	rBV	744503	953045	5.74%	0.881%
30	11.359	1663	1674	1681	rBV	6411560	7712869	46.48%	7.130%
31	11.664	1719	1724	1732	rBV	331116	451324	2.72%	0.417%
32	11.920	1760	1766	1768	rBV	372079	515054	3.10%	0.476%
33	11.944	1768	1770	1775	rVB	495463	529215	3.19%	0.489%
34	12.078	1786	1792	1797	rBV	937680	1178631	7.10%	1.090%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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	12.231	1813	1817	1822	rVB	139300	166850	1.01%	0.154%
36	12.298	1822	1828	1834	rBV	13526914	16593874	100.00%	15.341%
37	12.365	1835	1839	1841	rBV	790150	1032271	6.22%	0.954%
38	12.456	1849	1854	1860	rVB	593304	732032	4.41%	0.677%
39	12.670	1881	1889	1892	rBV	6768643	8202371	49.43%	7.583%
40	12.700	1892	1894	1898	rVV	1811296	1910756	11.51%	1.766%
41	12.755	1898	1903	1910	rVB2	5571427	7424923	44.74%	6.864%
42	12.895	1920	1926	1931	rVB2	222192	319891	1.93%	0.296%
43	12.975	1931	1939	1944	rBV	4042737	4949732	29.83%	4.576%
44	13.078	1951	1956	1964	rBV2	417710	640853	3.86%	0.592%
45	13.194	1971	1975	1976	rBV	303565	313160	1.89%	0.290%
46	13.225	1976	1980	1990	rVB	4668356	5721592	34.48%	5.290%
47	13.316	1990	1995	1996	rBV	302540	394283	2.38%	0.365%
48	13.346	1996	2000	2006	rVB2	7940919	11061995	66.66%	10.227%
49	13.401	2006	2009	2010	rBV2	193298	206602	1.25%	0.191%
50	13.426	2010	2013	2018	rVB	372464	456494	2.75%	0.422%
51	13.481	2018	2022	2029	rVB	1219827	1507737	9.09%	1.394%
52	13.560	2030	2035	2038	rBV2	460269	612174	3.69%	0.566%
53	13.596	2038	2041	2044	rVV	969158	1263525	7.61%	1.168%
54	13.639	2044	2048	2052	rVB3	1013070	1418985	8.55%	1.312%
55	13.718	2058	2061	2067	rVB2	1156888	1736660	10.47%	1.606%
56	13.834	2072	2080	2088	rBV	2720182	3496287	21.07%	3.232%
57	13.907	2088	2092	2097	rVB	185085	248200	1.50%	0.229%
58	13.981	2097	2104	2108	rBV2	526844	755336	4.55%	0.698%
59	14.029	2108	2112	2115	rVB	360992	439535	2.65%	0.406%
60	14.133	2124	2129	2133	rBV	651912	818054	4.93%	0.756%
61	14.273	2147	2152	2158	rBV2	543344	965863	5.82%	0.893%
62	14.377	2165	2169	2174	rBV	236898	308383	1.86%	0.285%
63	14.426	2174	2177	2182	rVB	350293	441977	2.66%	0.409%
64	14.535	2190	2195	2200	rBV2	148449	224090	1.35%	0.207%
65	14.694	2217	2221	2231	rVB	2648352	3317508	19.99%	3.067%
66	14.840	2239	2245	2254	rVB	1322835	1781497	10.74%	1.647%

Sum of corrected areas: 108168597

LSC Report - Integrated Chromatogram

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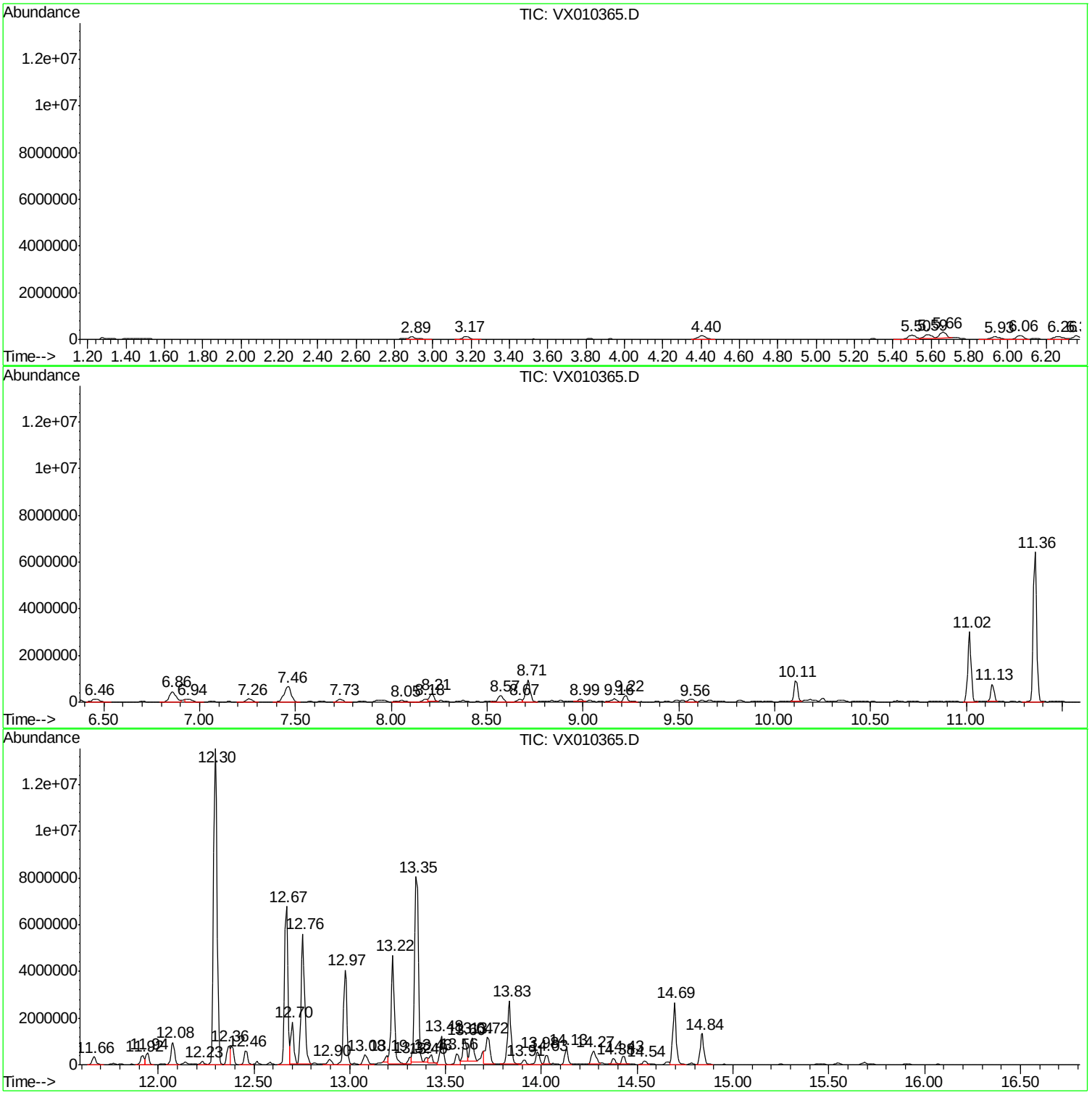
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-061919

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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

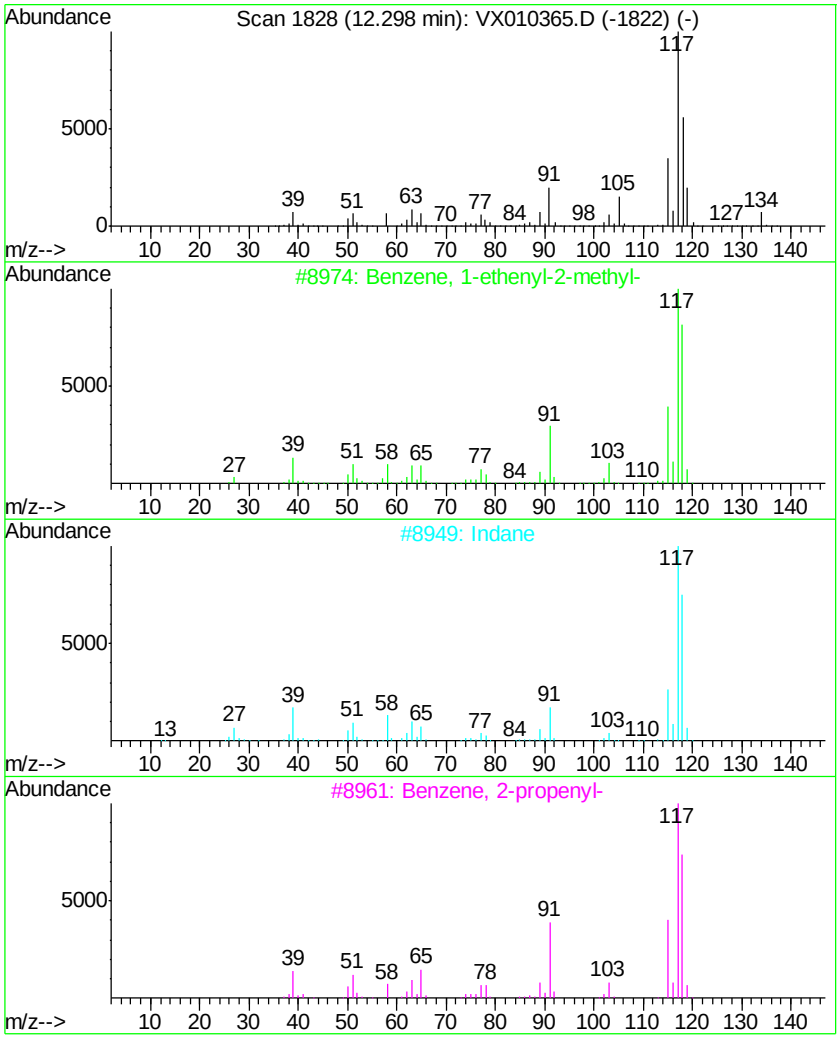
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

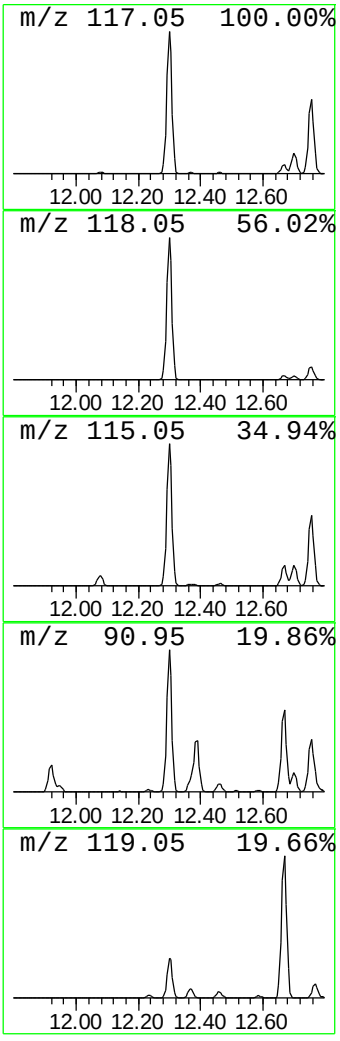
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	703.95 ug/l	16593900	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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

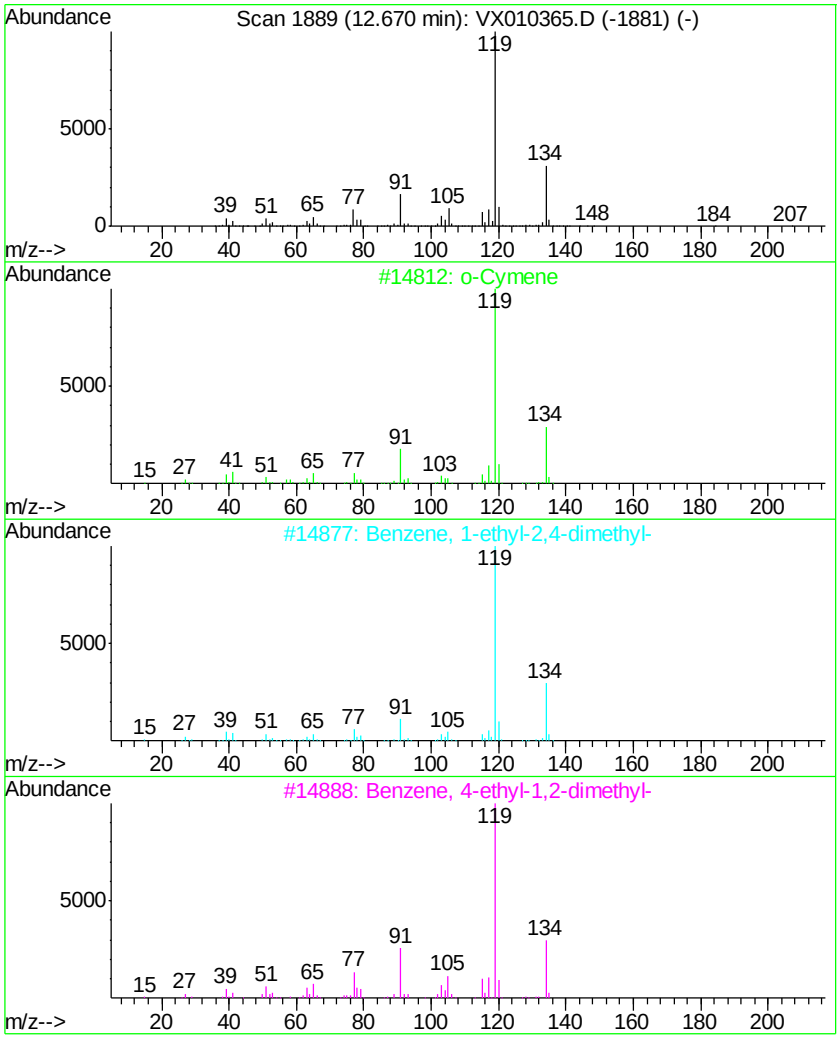
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

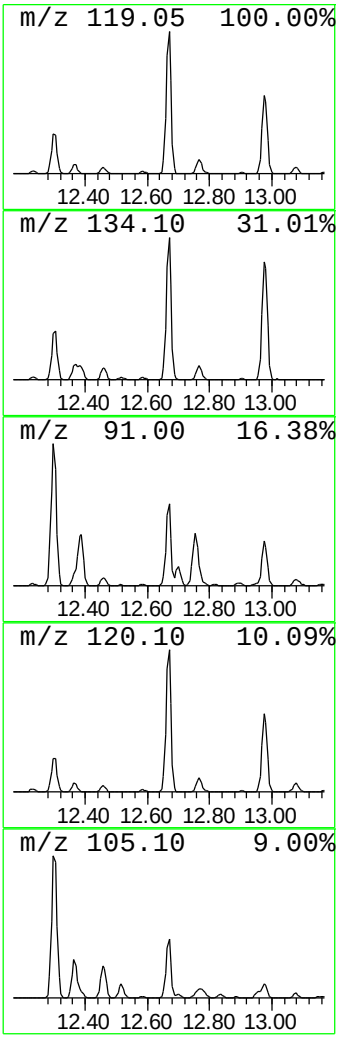
****

Peak Number 2 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	347.96 ug/l	8202370	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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

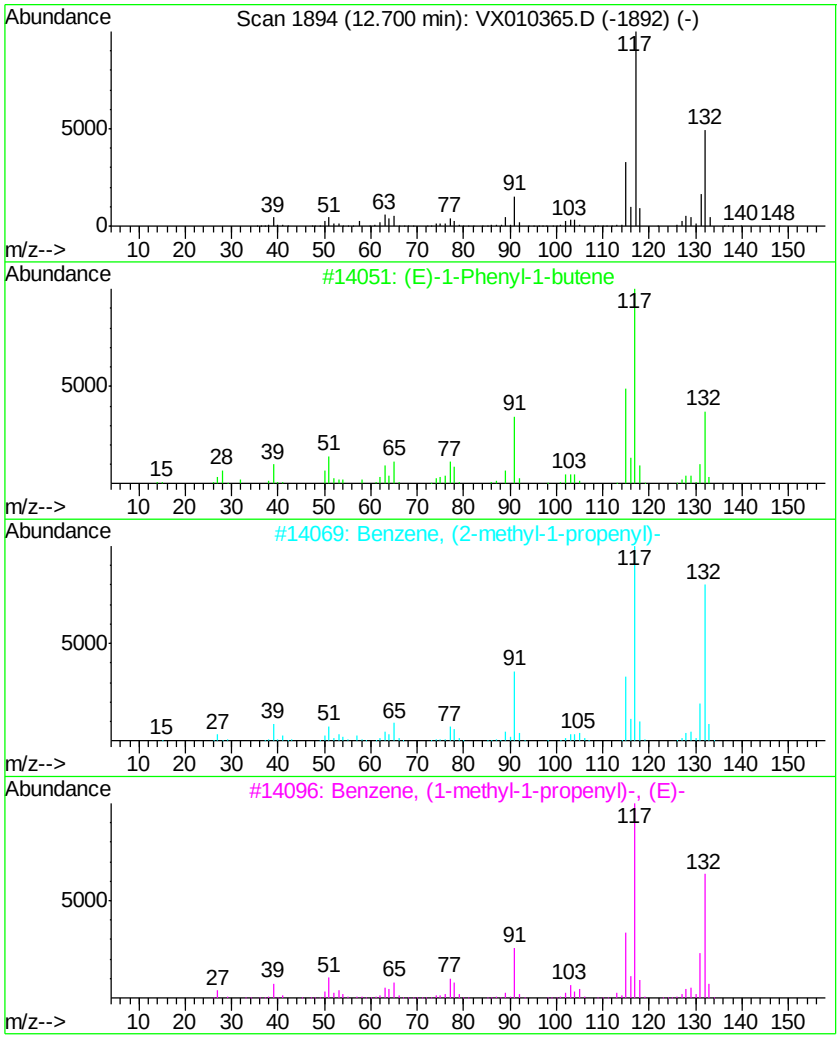
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

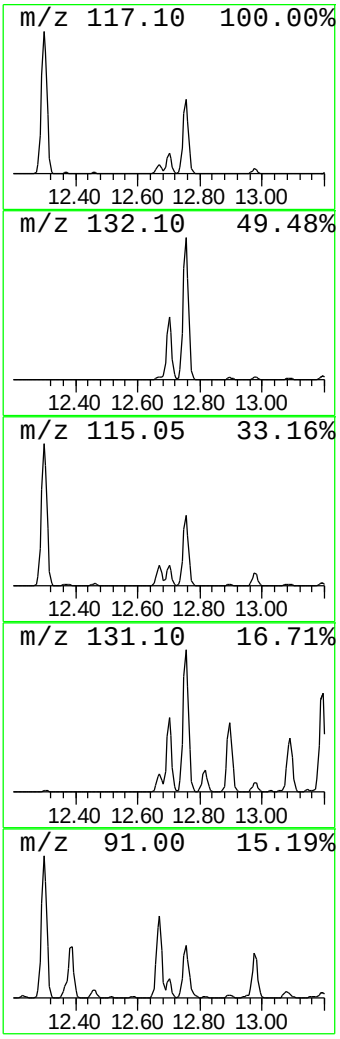
****

Peak Number 3 (E)-1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	81.06 ug/l	1910760	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	90
4	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	90
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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

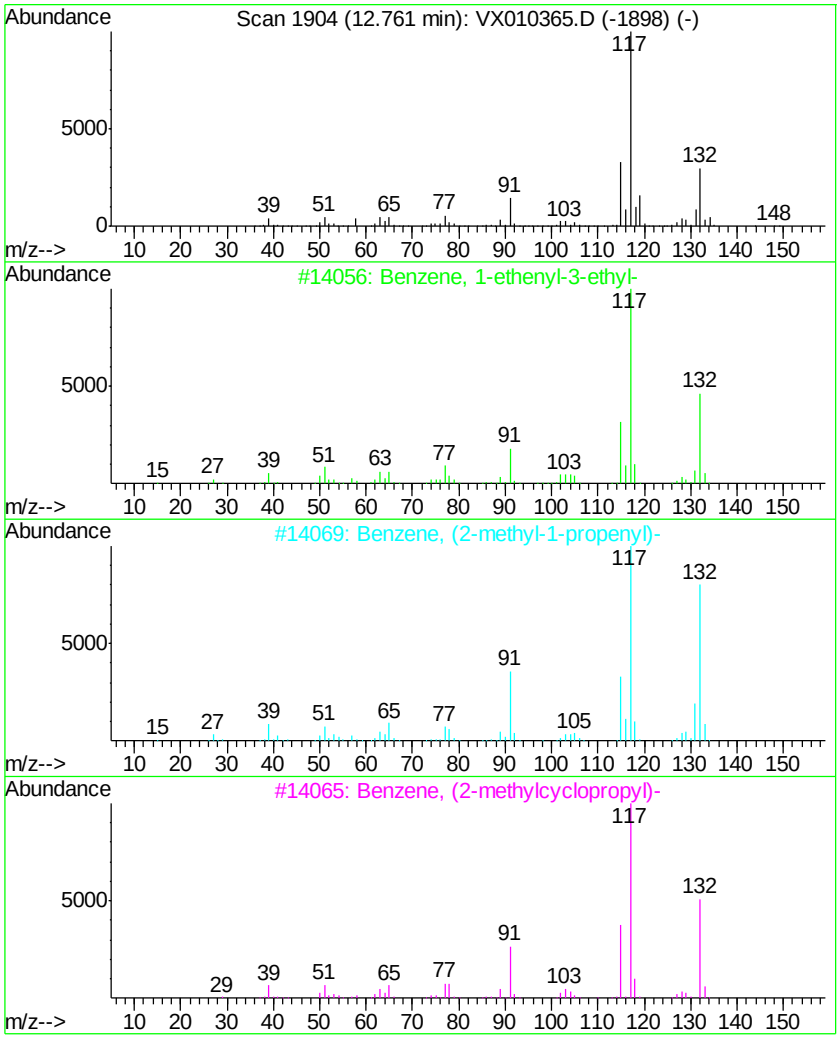
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

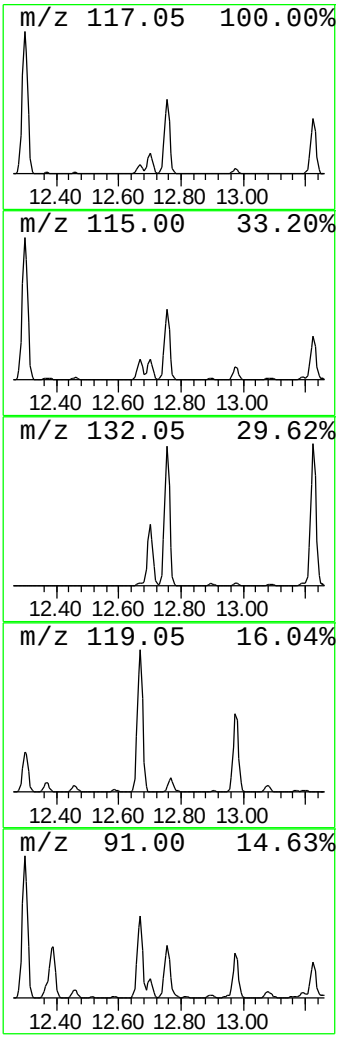
****

Peak Number 4 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	314.98 ug/l	7424920	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-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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

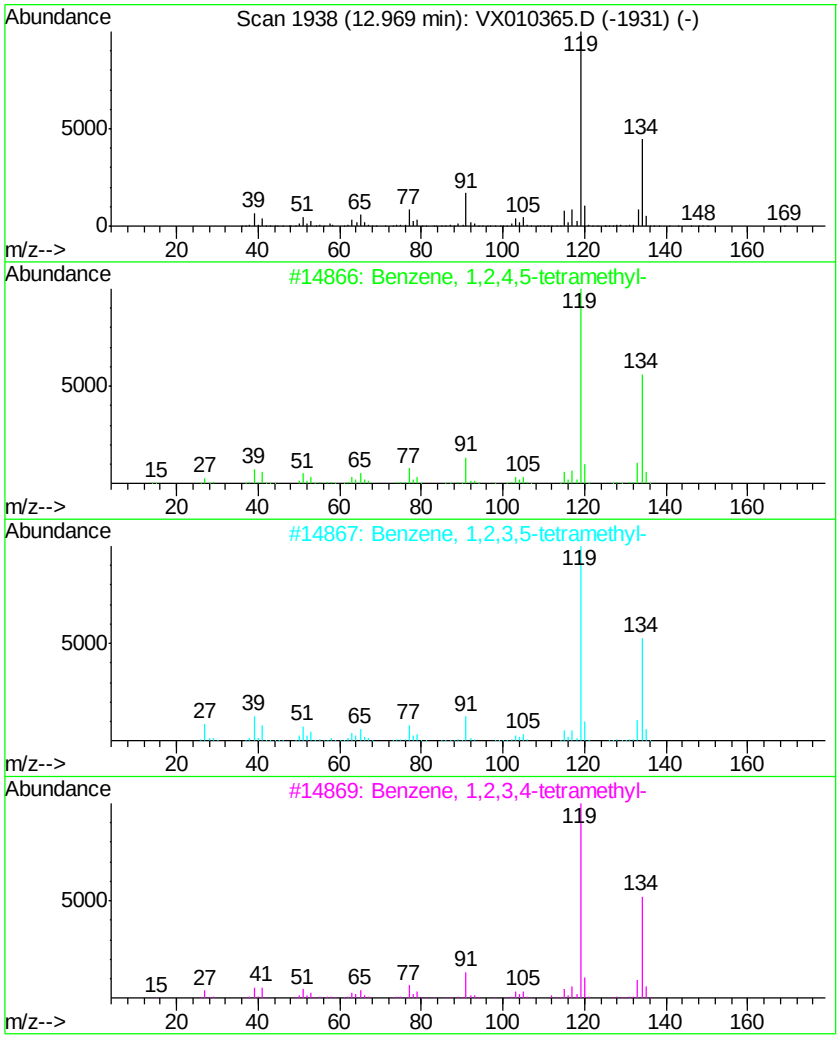
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

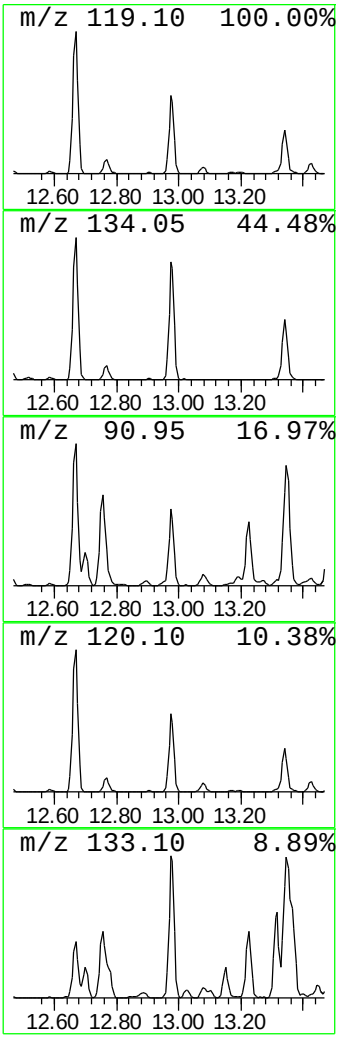
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	209.98 ug/l	4949730	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

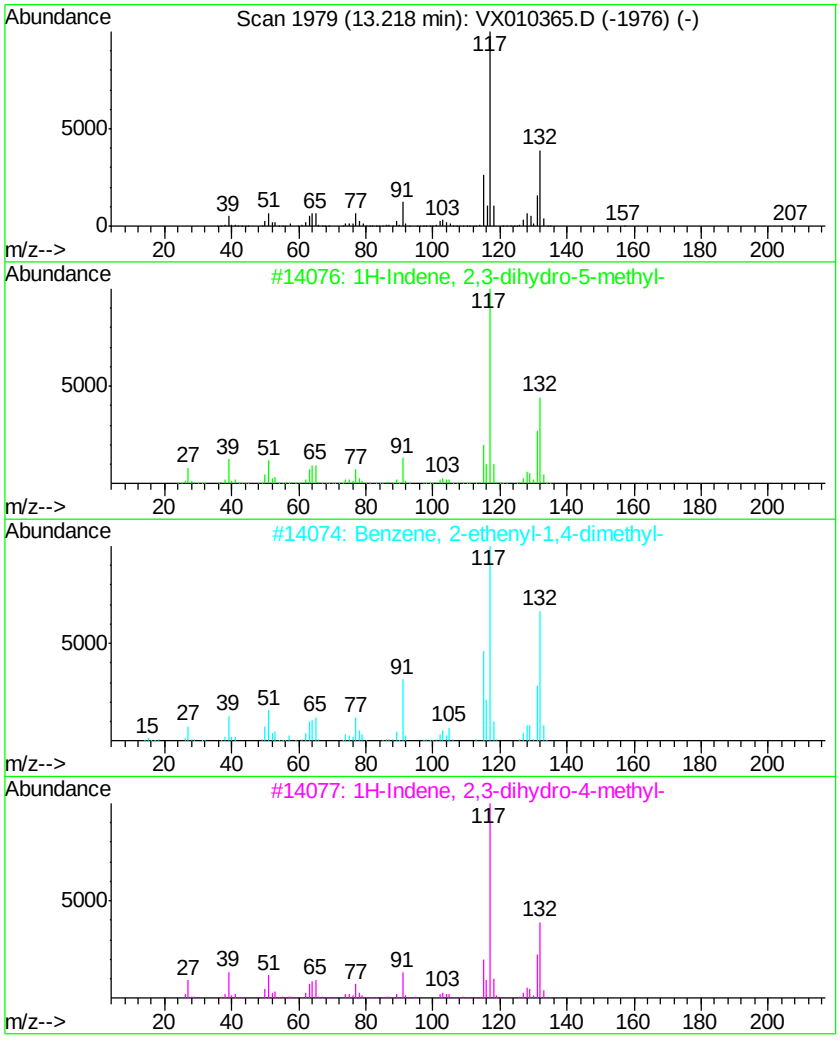
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

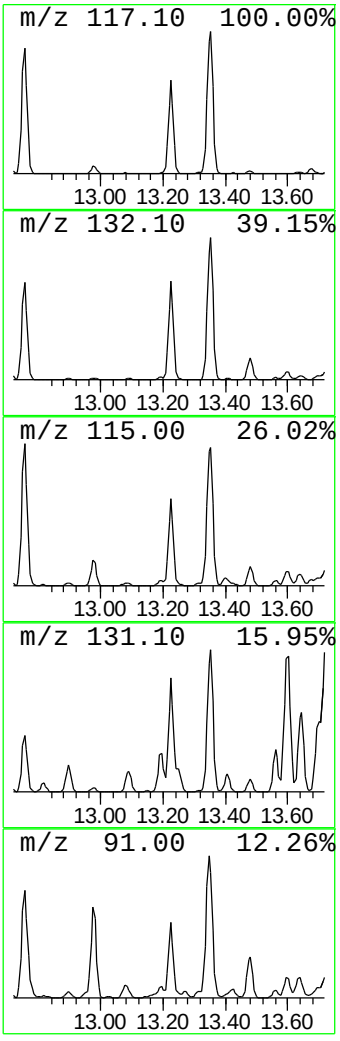
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	242.72 ug/l	5721590	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Library Search Compound Report

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Data File : VX010365.D
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Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

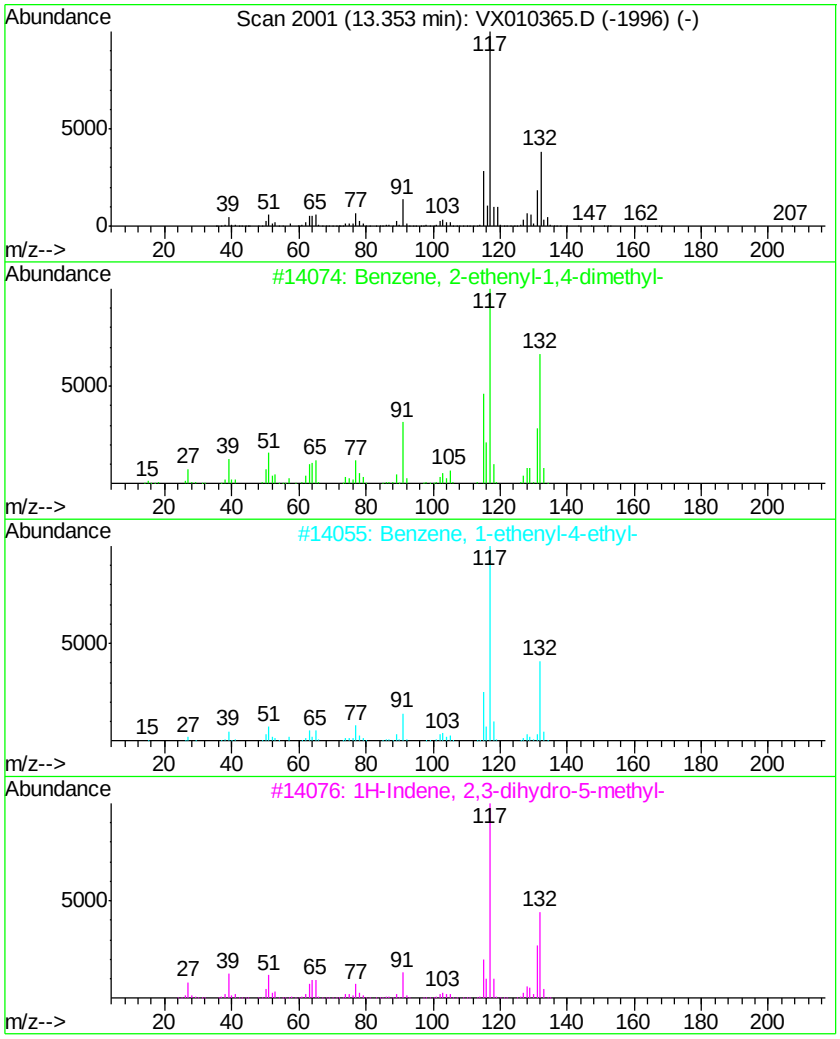
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

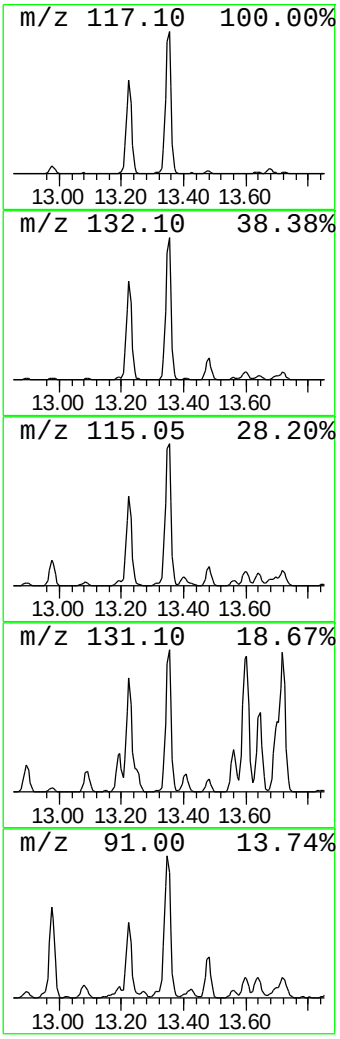
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	469.27 ug/l	11062000	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	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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

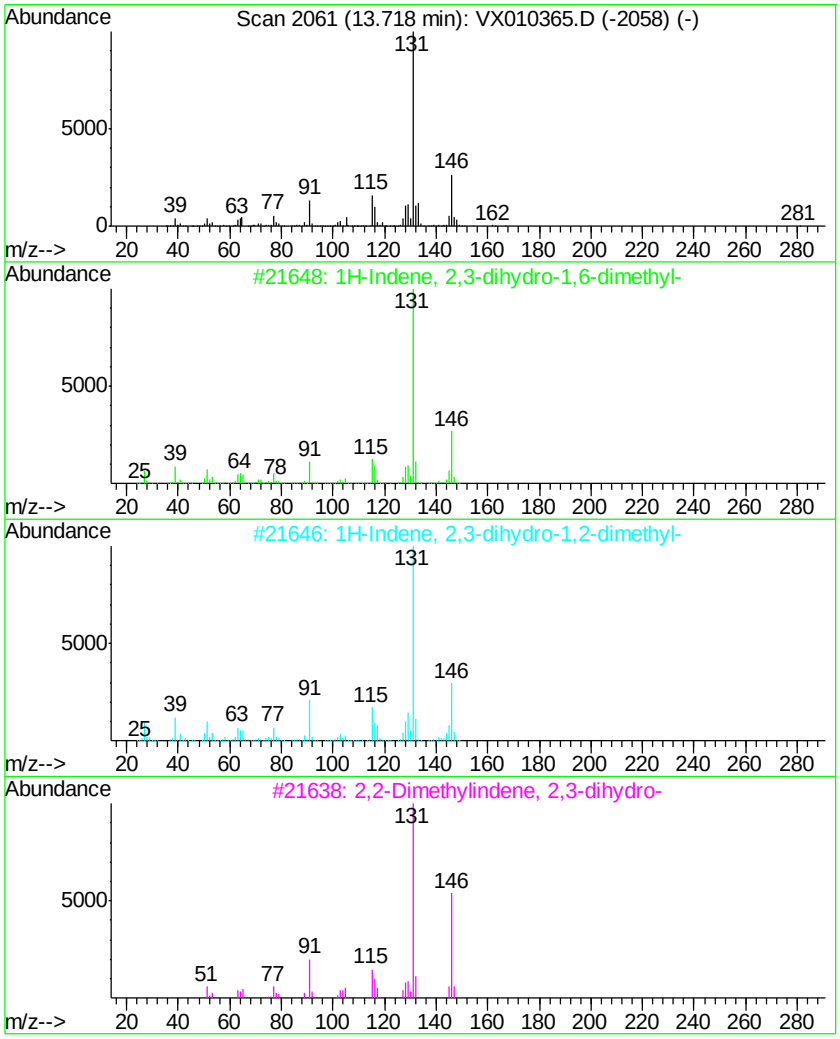
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

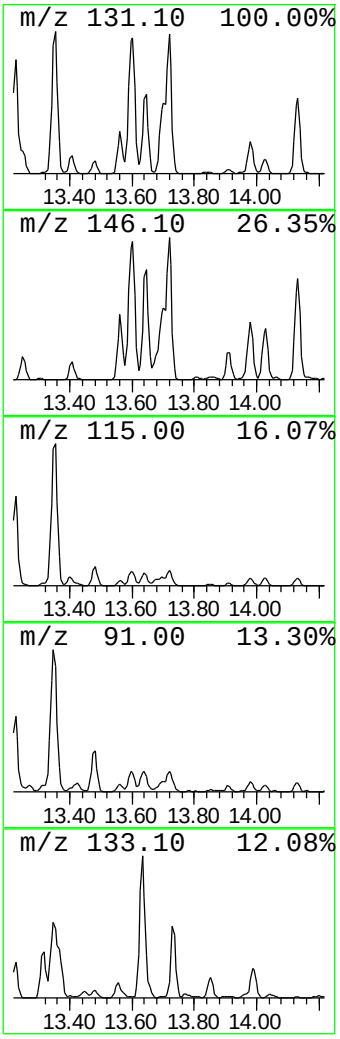
****

Peak Number 8 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	73.67 ug/l	1736660	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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

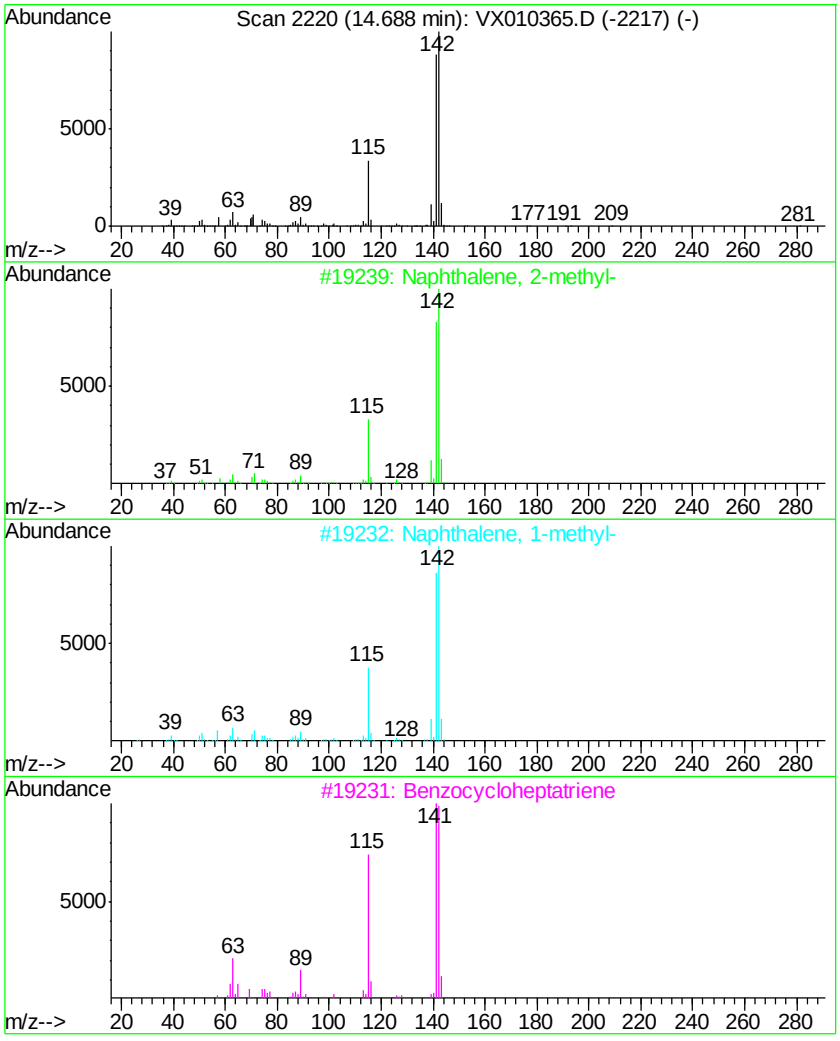
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

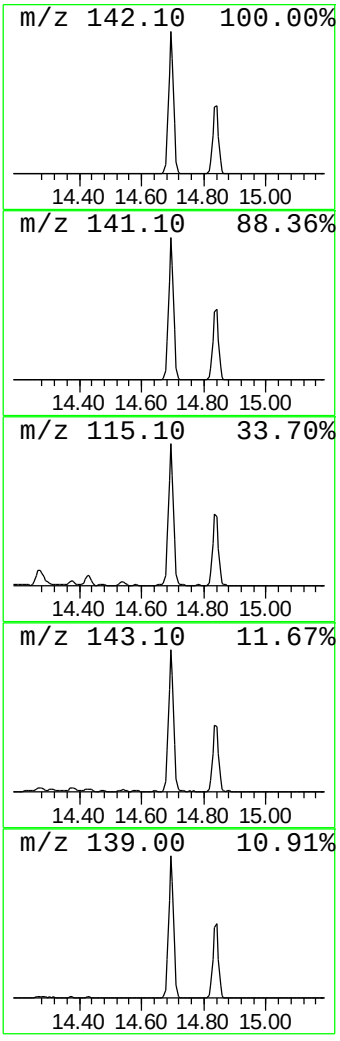
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	140.74 ug/l	3317510	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062019\
Data File : VX010365.D
Acq On : 20 Jun 2019 18:22
Operator : JC/SP
Sample : K3469-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T2-MW-4-8.0-061919

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
Benzene, 1-etheny...	12.30	704.0	ug/l	16593900	4	12.08	1178630	50.0
o-Cymene	12.67	348.0	ug/l	8202370	4	12.08	1178630	50.0
(E)-1-Phenyl-1-bu...	12.70	81.1	ug/l	1910760	4	12.08	1178630	50.0
Benzene, 1-etheny...	12.76	315.0	ug/l	7424920	4	12.08	1178630	50.0
Benzene, 1,2,4,5-...	12.97	210.0	ug/l	4949730	4	12.08	1178630	50.0
1H-Indene, 2,3-di...	13.22	242.7	ug/l	5721590	4	12.08	1178630	50.0
Benzene, 2-etheny...	13.35	469.3	ug/l	11062000	4	12.08	1178630	50.0
1H-Indene, 2,3-di...	13.72	73.7	ug/l	1736660	4	12.08	1178630	50.0
Naphthalene, 1-me...	14.69	140.7	ug/l	3317510	4	12.08	1178630	50.0