LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

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\82X010819W.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	2.842	271	277	287	rVB	60919	141549	1.26%	0.191%
2	5.507	700	714	725	rBV	318287	914178	8.15%	1.236%
3	5.665	729	740	763	rVB	550206	1774208	15.82%	2.399%
4	6.067	796	806	824	rBV2	327525	848460	7.57%	1.147%
5	6.348	842	852	862	rVB	185998	559258	4.99%	0.756%
6	6.860	926	936	948	rBV	819559	1912902	17.06%	2.587%
7	7.457	1023	1034	1043	rBV4	55044	155156	1.38%	0.210%
8	8.055	1121	1132	1140	rVB	126546	269460	2.40%	0.364%
9	8.177	1142	1152	1160	rBV	213825	419824	3.74%	0.568%
10	8.713	1224	1240	1249	rBV	1729730	2817127	25.12%	3.810%
11	10.116	1464	1470	1478	rBV2	1681630	3036925	27.08%	4.107%
12	10.183	1478	1481	1487	rVB	88668	127134	1.13%	0.172%
13	10.335	1501	1506	1509	rBV	90321	134451	1.20%	0.182%
14	10.658	1546	1559	1564	rBV3	146298	359798	3.21%	0.487%
15	10.811	1575	1584	1585	rBV2	57513	114766	1.02%	0.155%
16	10.835	1585	1588	1596	rVB	192437	252867	2.26%	0.342%
17	10.914	1596	1601	1607	rBV5	108712	186551	1.66%	0.252%
18	11.018	1613	1618	1631	rBV	818847	1112206	9.92%	1.504%
19	11.134	1632	1637	1642	rBV	1461650	1915150	17.08%	2.590%
20	11.182	1642	1645	1649	rVB	175294	214746	1.92%	0.290%
21	11.280	1657	1661	1665	rVB	198489	239584	2.14%	0.324%
22	11.359	1670	1674	1678	rBV	240265	286309	2.55%	0.387%
23	11.670	1718	1725	1732	rBV	309347	439189	3.92%	0.594%
24	11.768	1732	1741	1745	rBV	569283	743410	6.63%	1.005%
25	11.920	1758	1766	1768	rBV	1260024	1757251	15.67%	2.376%
26	11.944	1768	1770	1776	rVV	1696274	1832538	16.34%	2.478%
27	12.079	1787	1792	1803	rBV	1979806	2670876	23.82%	3.612%
28	12.231	1812	1817	1823	rVB	2061775	2449482	21.85%	3.313%
29	12.298	1823	1828	1834	rVV	1538013	1883980	16.80%	2.548%
30	12.365	1835	1839	1848	rVB2	304265	507485	4.53%	0.686%
31	12.457	1850	1854	1862	rBV2	250988	370225	3.30%	0.501%
32	12.670	1879	1889	1892	rBV	7348912	8894033	79.32%	12.028%
33	12.700	1892	1894	1899	rVV2	1606242	1932198	17.23%	2.613%
34	12.755	1899	1903	1910	rVV2	8384956	11212831	100.00%	15.164%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

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\82X010819W.M
Title : SW846 8260

35	12.816	1910	1913	1918	rVB	325815	380538	3.39%	0.515%
36	12.896	1918	1926	1931	rVB	1631851	2200074	19.62%	2.975%
37	12.975	1931	1939	1944	rBV	4072792	5247292	46.80%	7.096%
38	13.091	1952	1958	1963	rVB2	333220	512889	4.57%	0.694%
39	13.152	1963	1968	1971	rBV	435313	522807	4.66%	0.707%
40	13.194	1971	1975	1978	rBV	471124	573834	5.12%	0.776%
41	13.225	1978	1980	1982	rBV	135809	129852	1.16%	0.176%
42	13.249	1982	1984	1989	rVB	308250	331281	2.95%	0.448%
43	13.310	1989	1994	1996	rBV2	185295	286531	2.56%	0.387%
44	13.347	1996	2000	2006	rVB2	5413284	7033536	62.73%	9.512%
45	13.402	2006	2009	2012	rBV2	297778	397002	3.54%	0.537%
46	13.481	2019	2022	2028	rVB	136542	176149	1.57%	0.238%
47	13.597	2038	2041	2044	rVV	187471	253976	2.27%	0.343%
48	13.639	2044	2048	2052	rVV2	635290	908854	8.11%	1.229%
49	13.700	2052	2058	2059	rVV2	385083	677541	6.04%	0.916%
50	13.719	2059	2061	2070	rVB2	537406	667961	5.96%	0.903%
51	13.810	2071	2076	2079	rBV	120756	160793	1.43%	0.217%
52	13.853	2079	2083	2088	rVB	90695	121839	1.09%	0.165%
53	13.914	2088	2093	2097	rBV	105418	141532	1.26%	0.191%
54	13.981	2101	2104	2108	rVV2	107517	143624	1.28%	0.194%
55	14.267	2147	2151	2157	rBV	90959	138730	1.24%	0.188%
56	14.535	2190	2195	2202	rBV2	89571	134333	1.20%	0.182%
57	14.840	2240	2245	2253	rVB	238351	318032	2.84%	0.430%

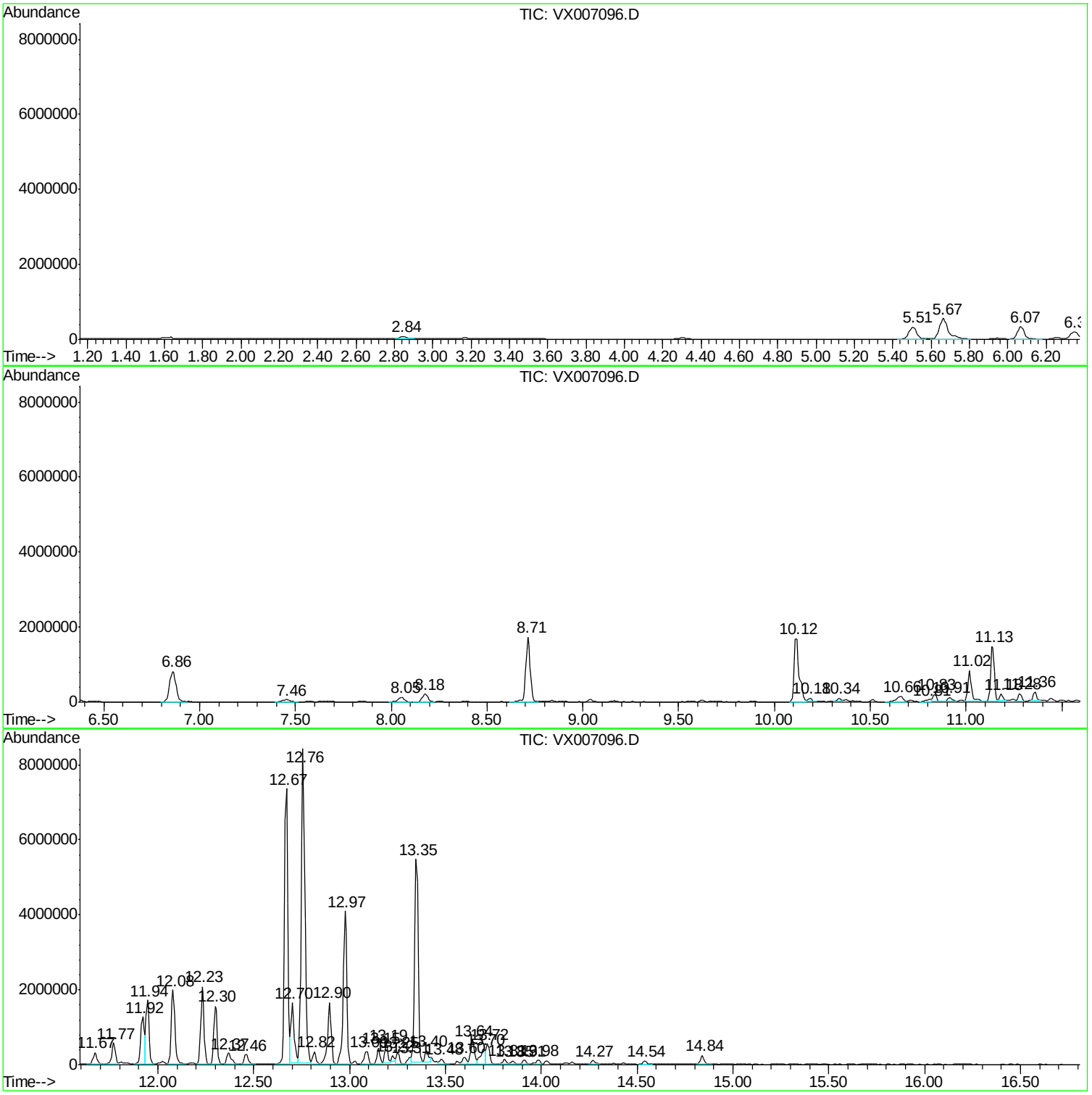
Sum of corrected areas: 73945107

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.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\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

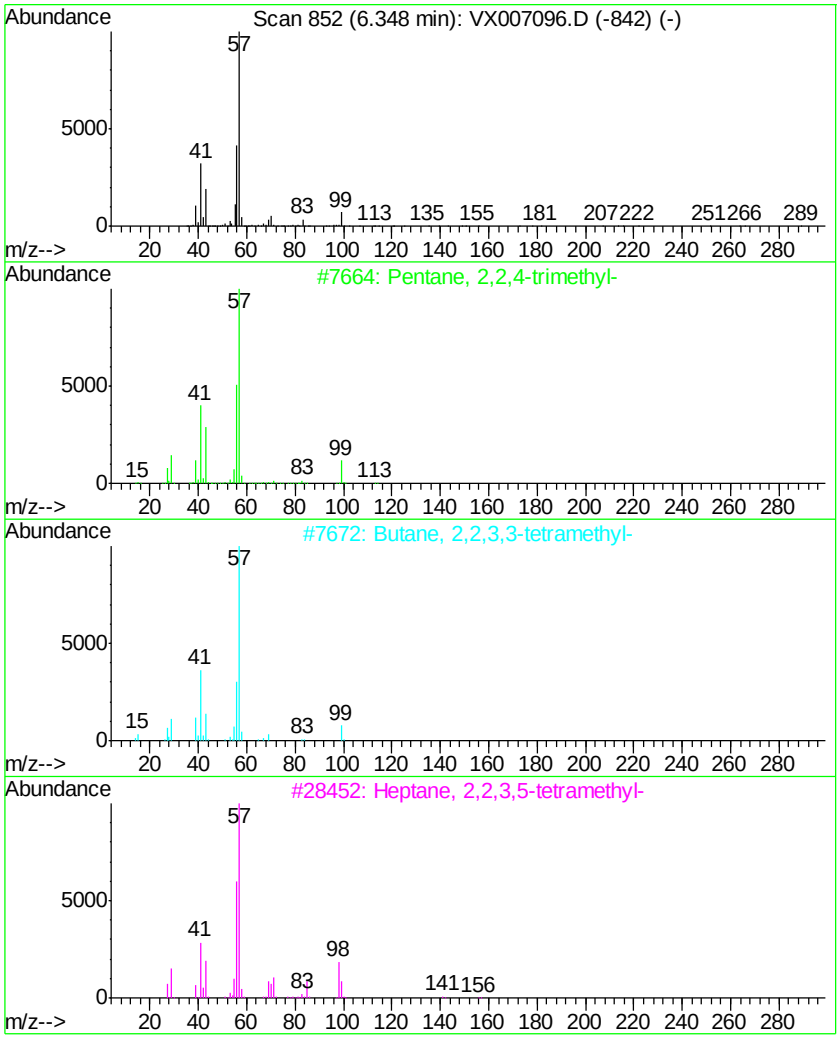
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

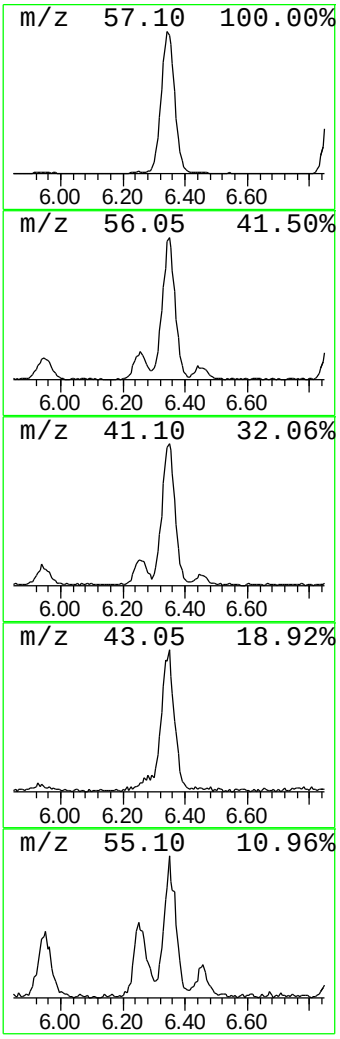
****

Peak Number 1 Pentane, 2,2,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	14.62 ug/l	559258	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
3	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	64
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

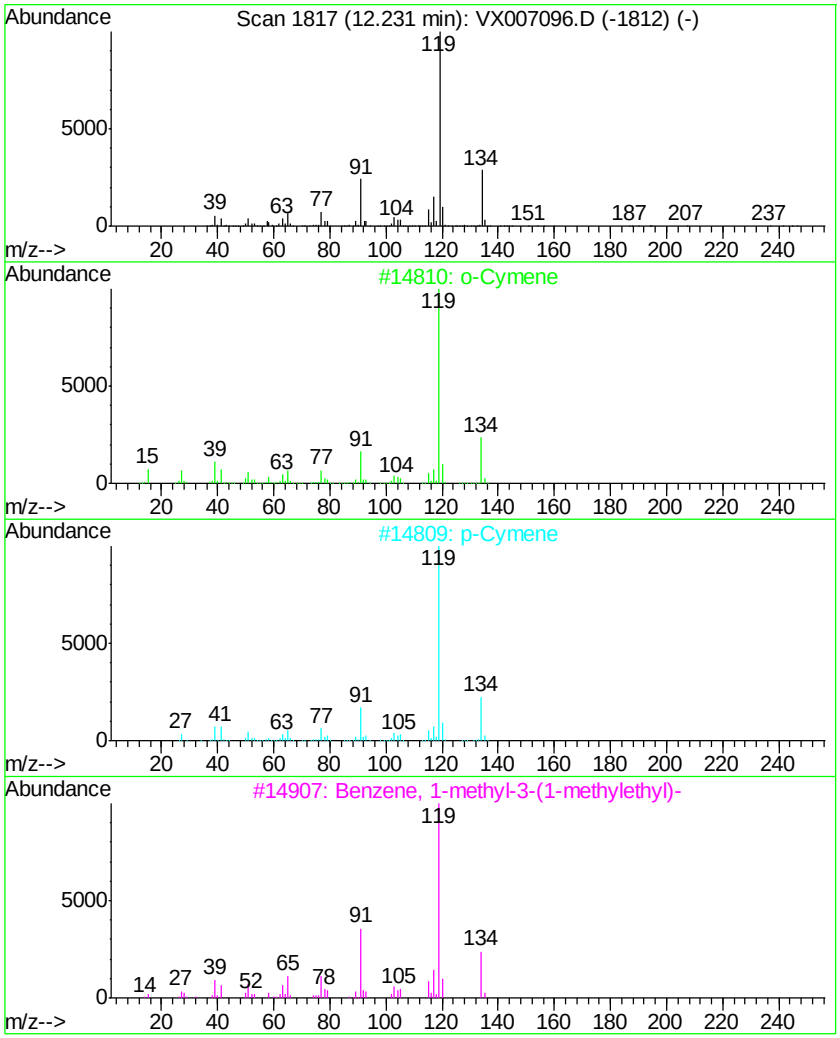
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

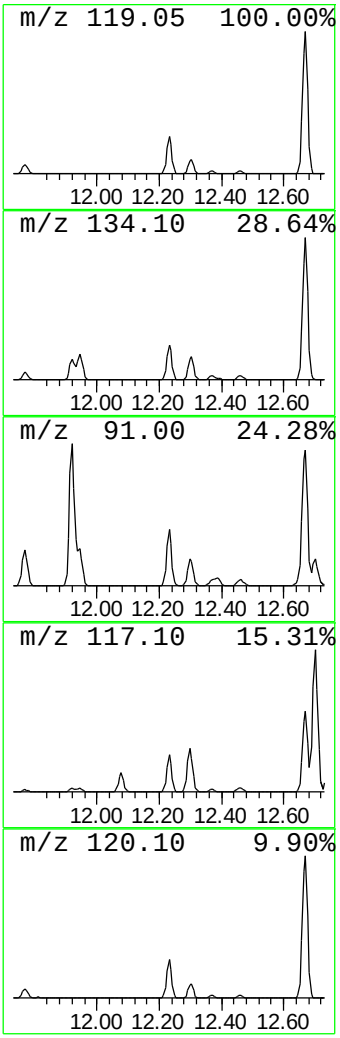
****

Peak Number 2 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	45.86 ug/l	2449480	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	p-Cymene	134	C10H14	000099-87-6	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

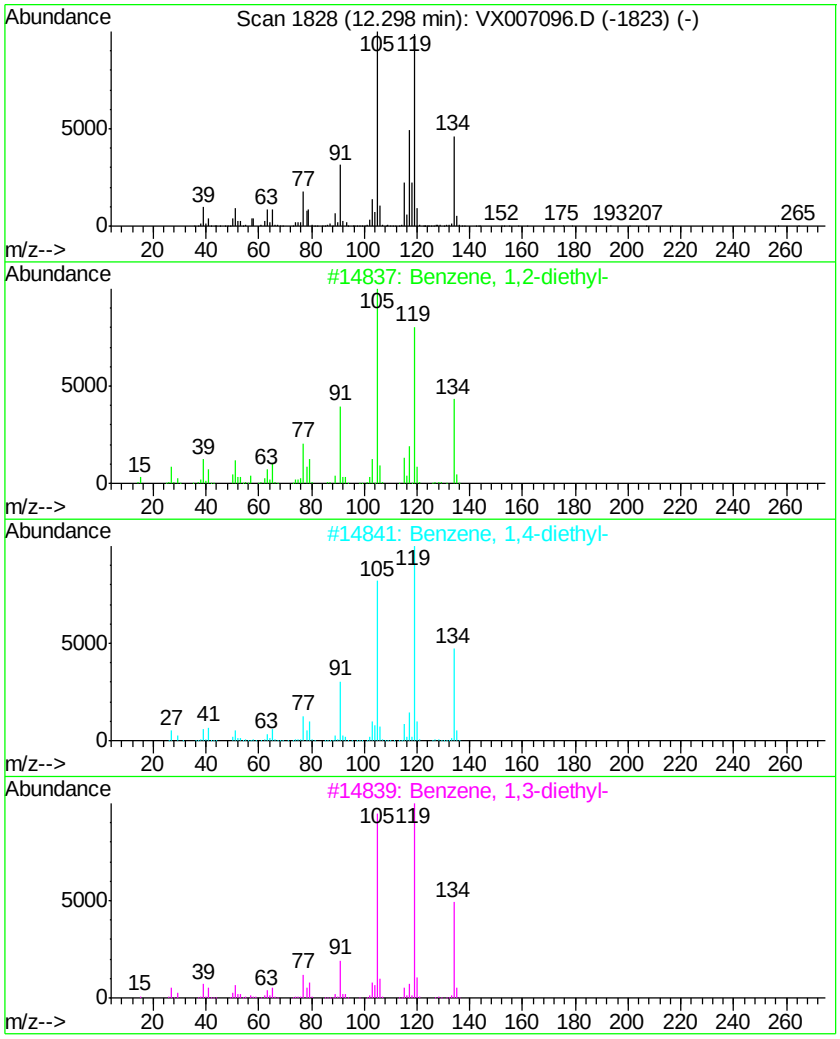
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

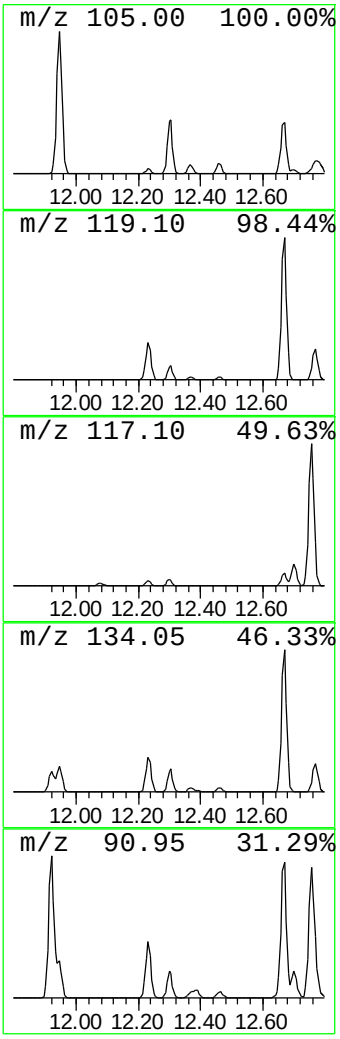
****

Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	35.27 ug/l	1883980	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	89
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	62
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

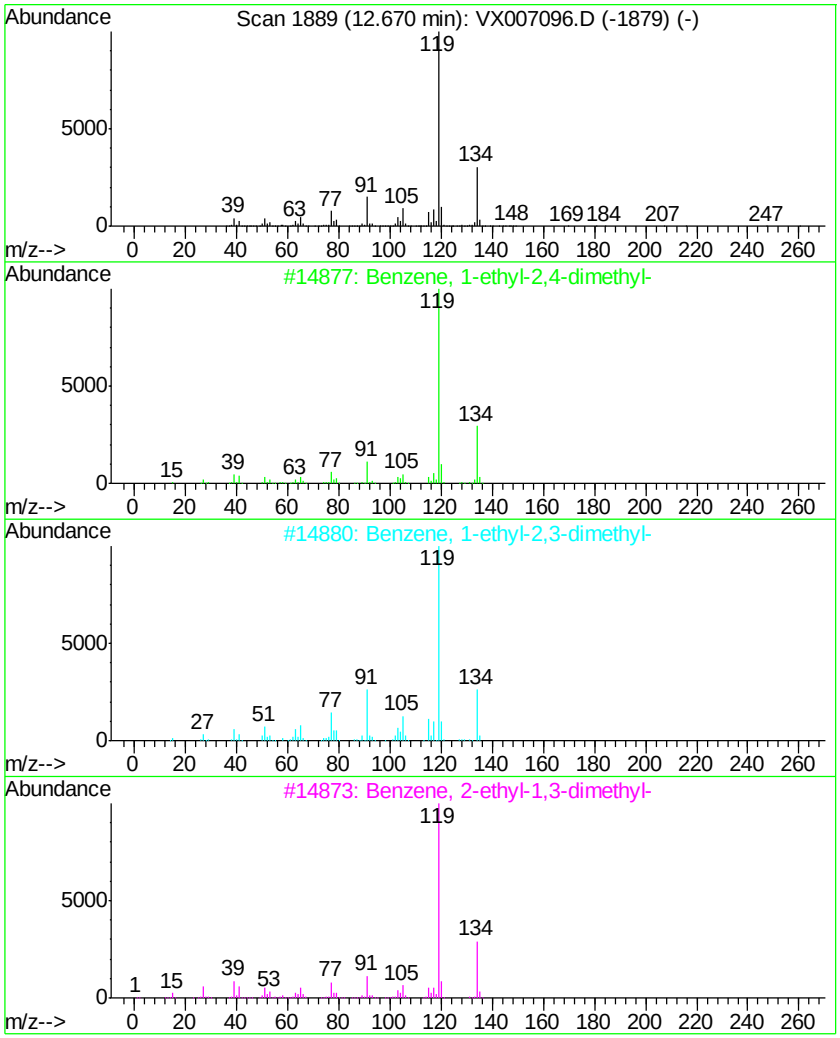
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

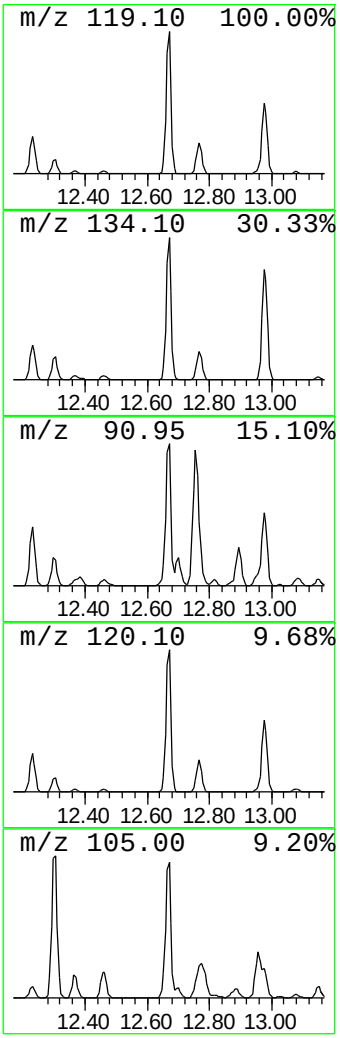
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	166.50 ug/l	8894030	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

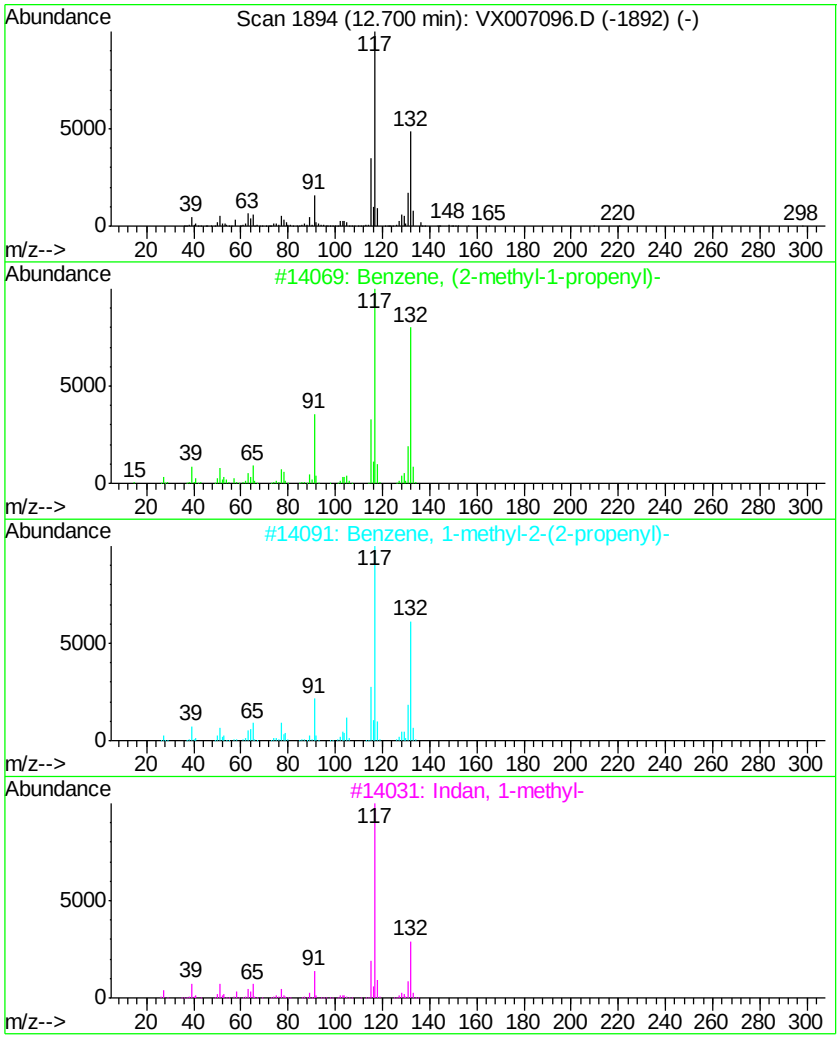
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

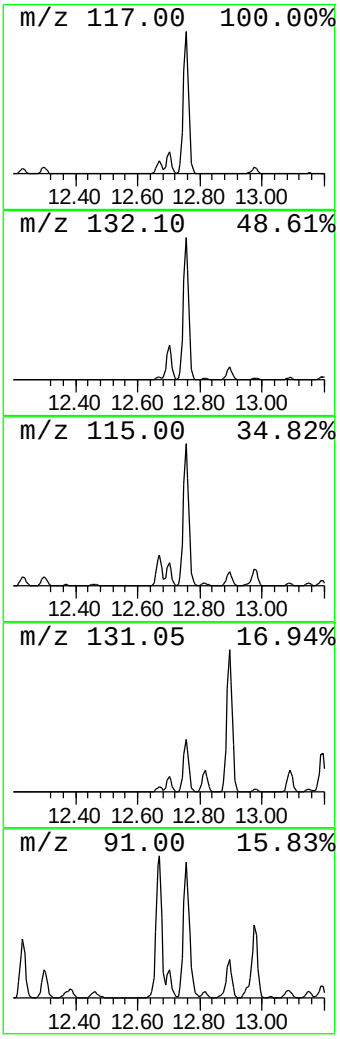
****

Peak Number 5 Benzene, (2-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	36.17 ug/l	1932200	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

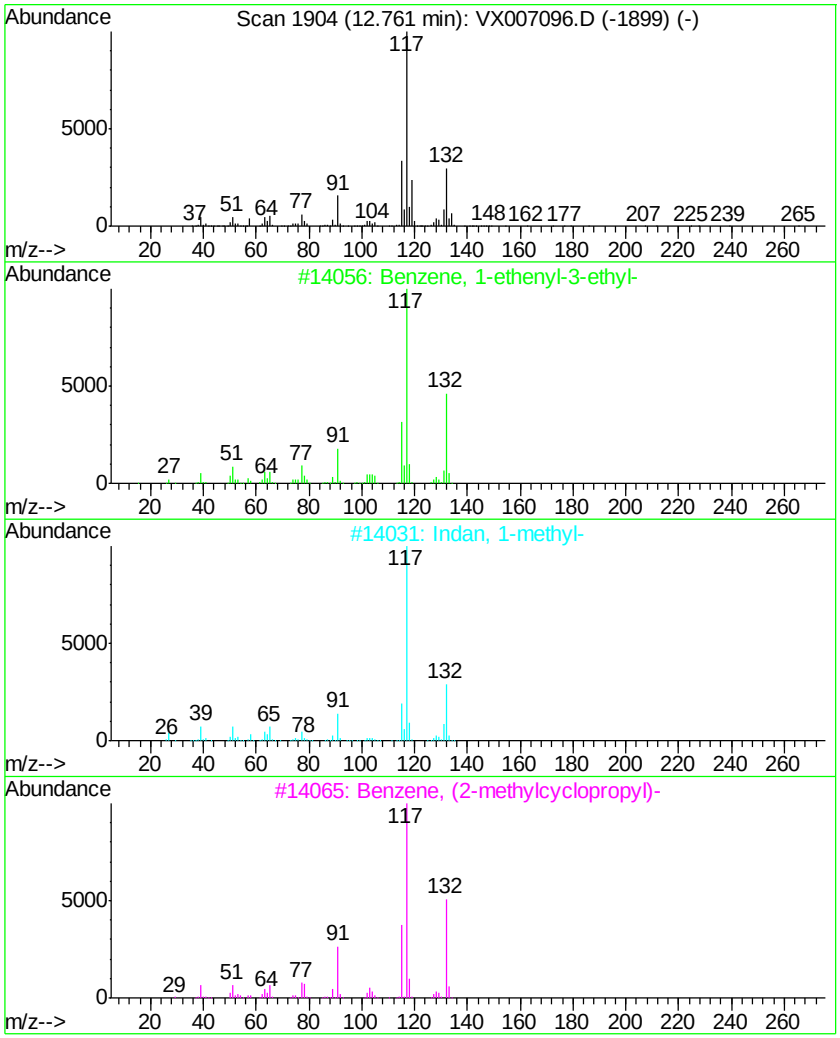
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

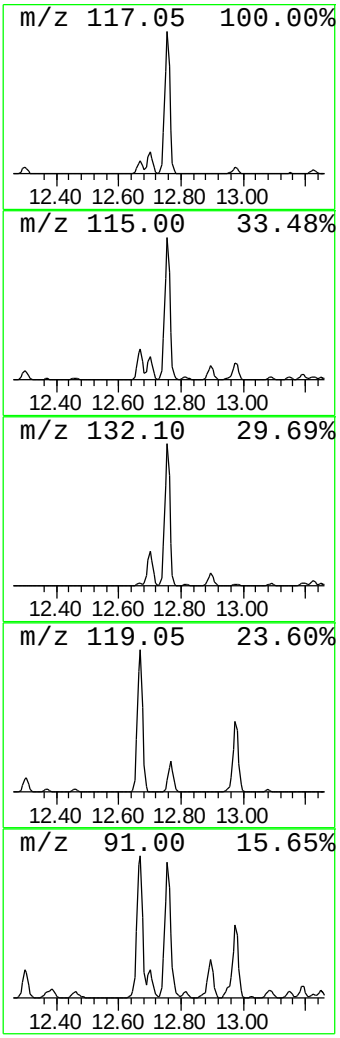
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	209.91 ug/l	11212800	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	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

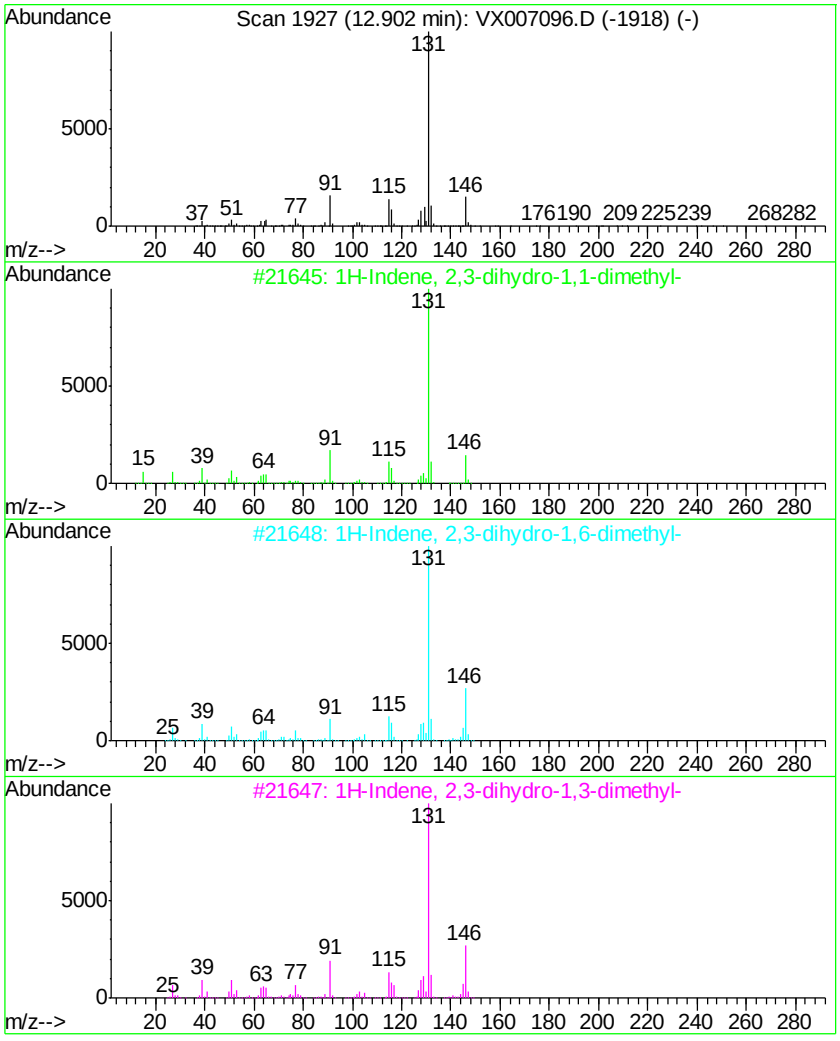
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

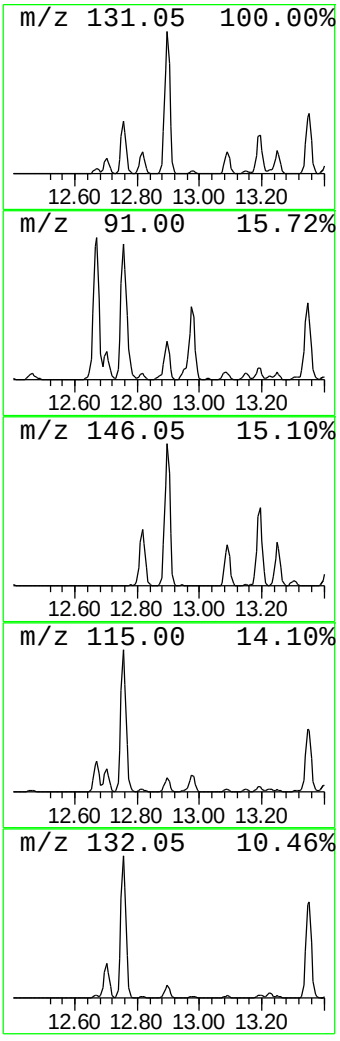
****

Peak Number 7 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	41.19 ug/l	2200070	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86





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Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
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Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

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

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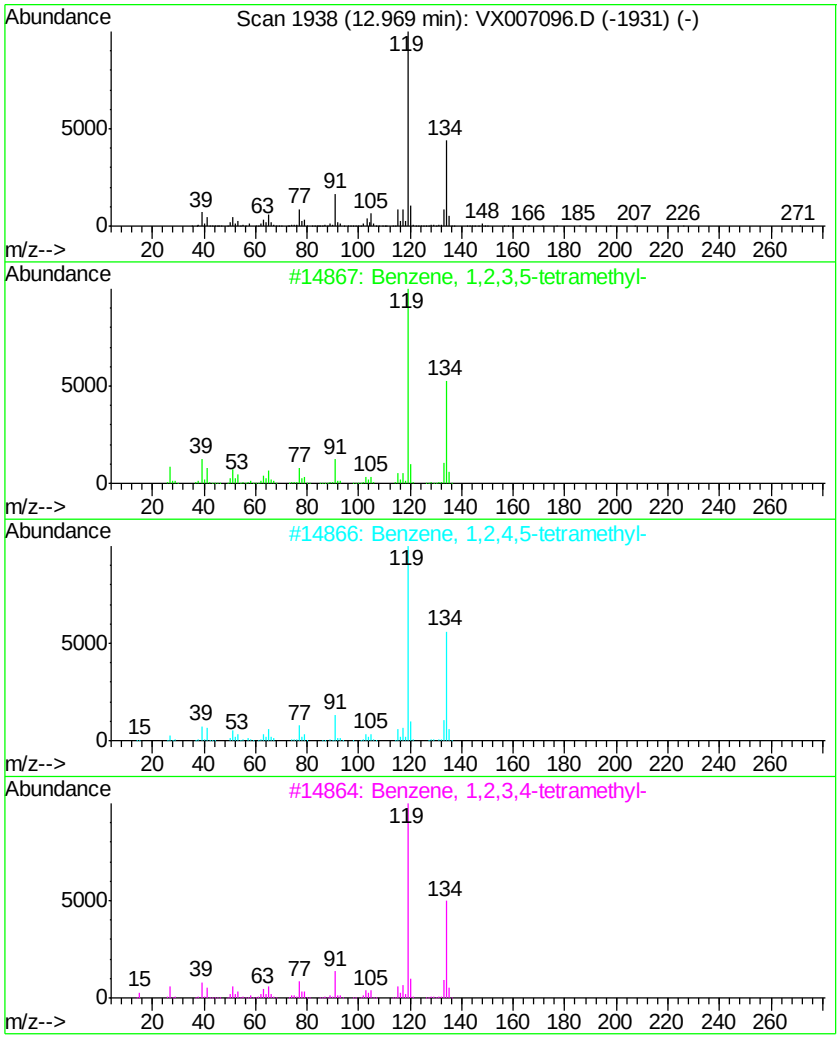
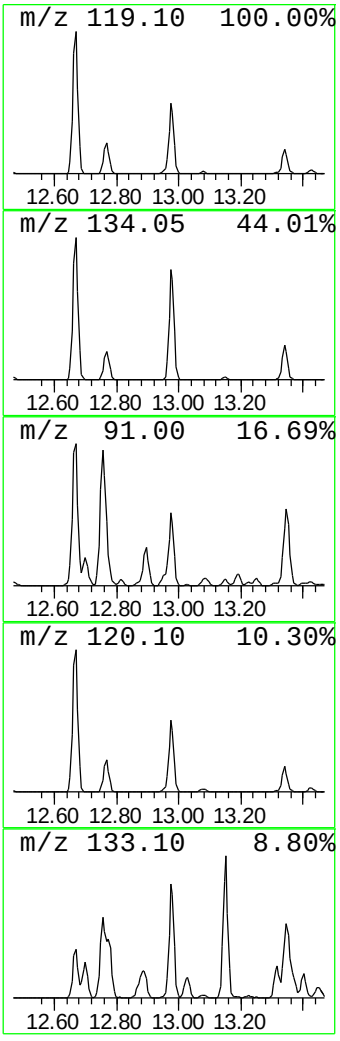
Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	98.23 ug/l	5247290	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	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, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

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

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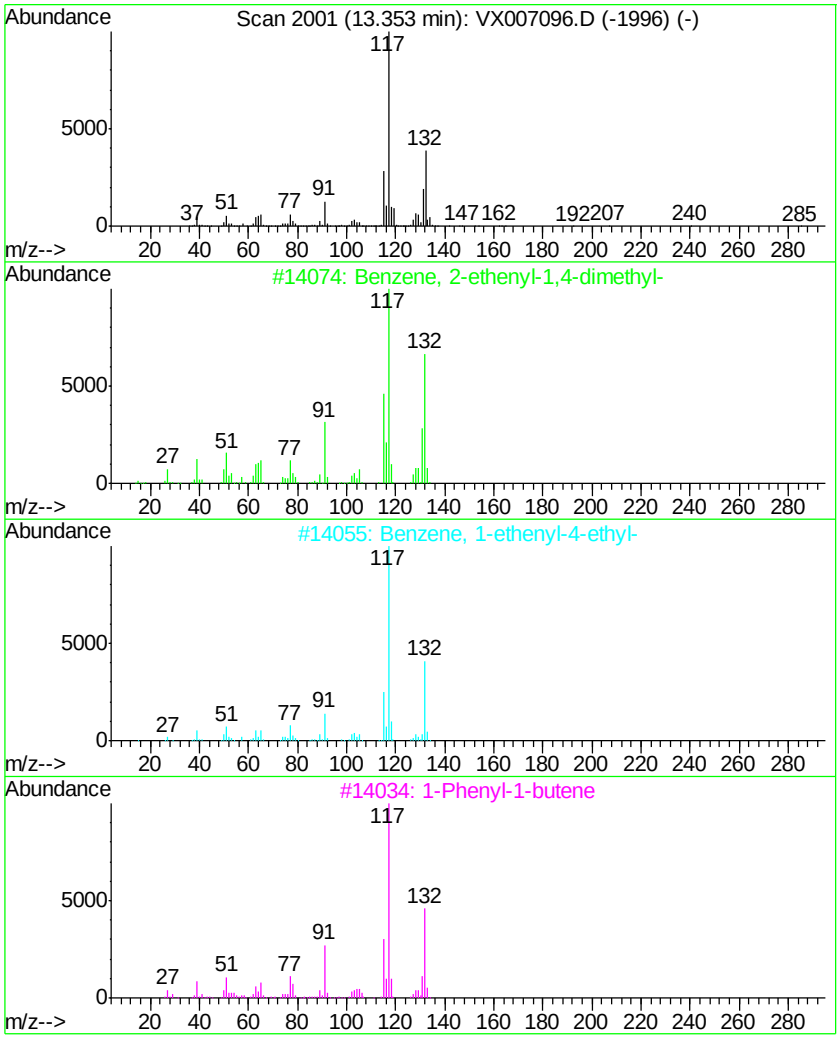
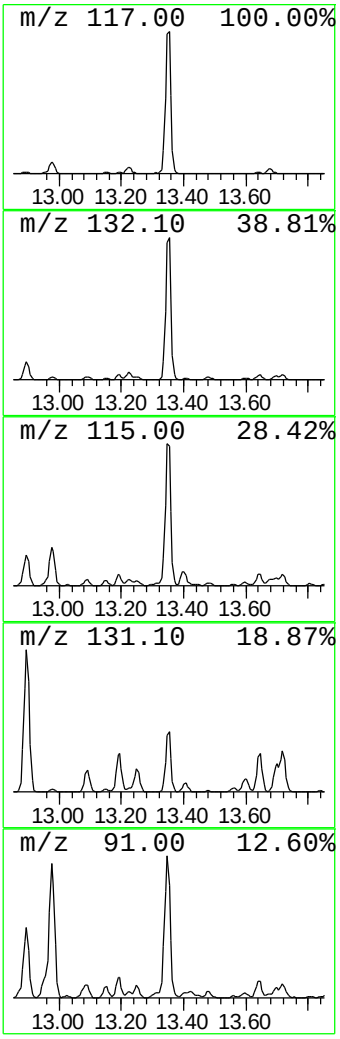
Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	131.67 ug/l	7033540	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	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260

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

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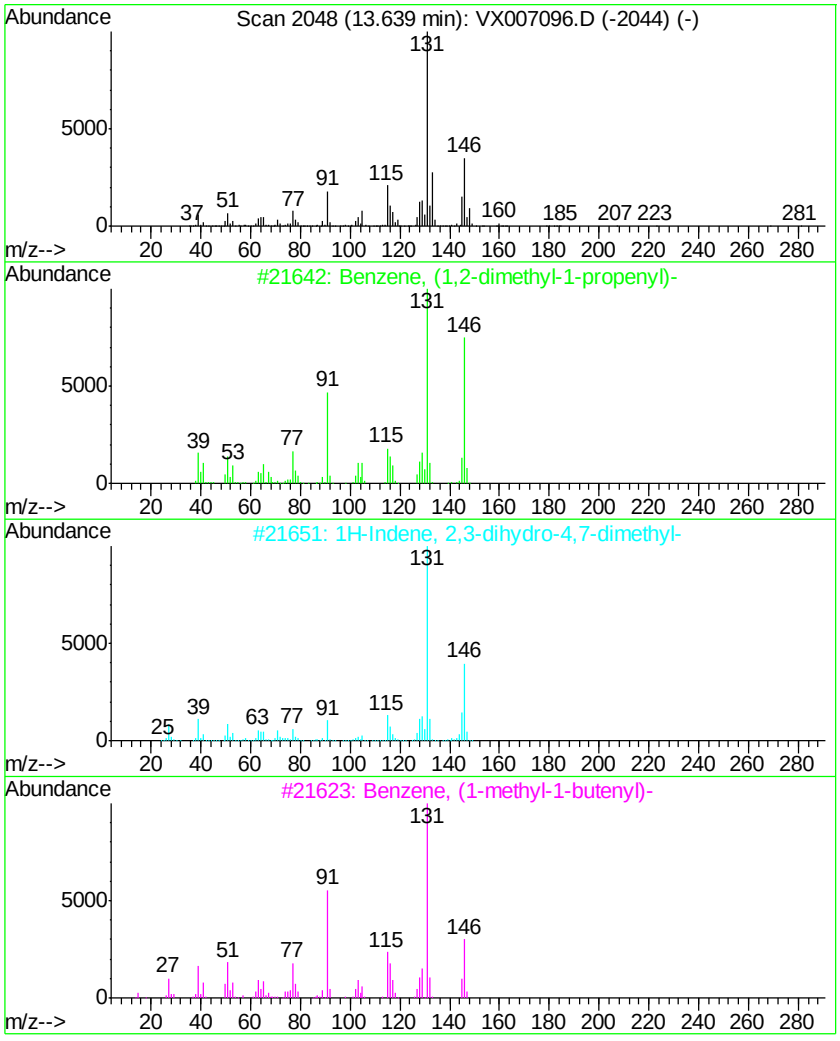
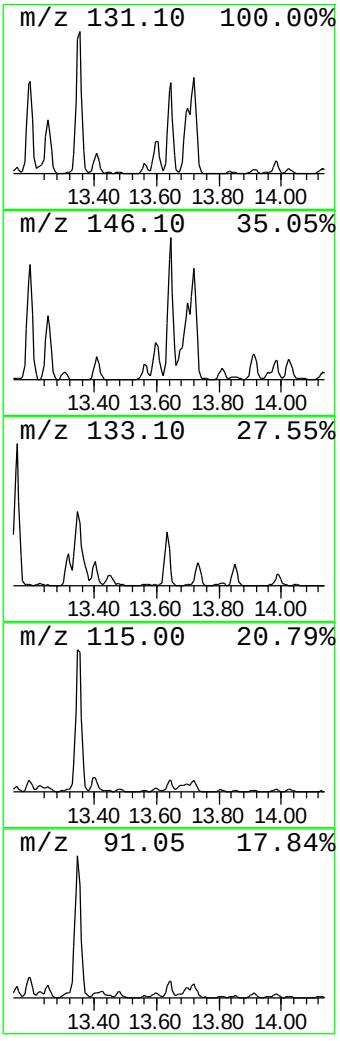
Peak Number 10 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	17.01 ug/l	908854	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011719\
Data File : VX007096.D
Acq On : 17 Jan 2019 18:29
Operator : JC/SP
Sample : K1168-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : ST008MW037-190114

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.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
Pentane, 2,2,4-tr...	6.35	14.6	ug/l	559258	2	6.86	1912900	50.0
o-Cymene	12.23	45.9	ug/l	2449480	4	12.08	2670880	50.0
Benzene, 1,2-diet...	12.30	35.3	ug/l	1883980	4	12.08	2670880	50.0
Benzene, 1-ethyl-...	12.67	166.5	ug/l	8894030	4	12.08	2670880	50.0
Benzene, (2-methy...	12.70	36.2	ug/l	1932200	4	12.08	2670880	50.0
Benzene, 1-etheny...	12.76	209.9	ug/l	11212800	4	12.08	2670880	50.0
1H-Indene, 2,3-di...	12.90	41.2	ug/l	2200070	4	12.08	2670880	50.0
Benzene, 1,2,3,5-...	12.97	98.2	ug/l	5247290	4	12.08	2670880	50.0
Benzene, 2-etheny...	13.35	131.7	ug/l	7033540	4	12.08	2670880	50.0
Benzene, (1,2-dim...	13.64	17.0	ug/l	908854	4	12.08	2670880	50.0