LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

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_W\METHOD\82W010219S.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	4.141	358	367	376	rBV2	2972	8491	2.56%	0.245%
2	4.903	483	492	510	rBB4	6356	22705	6.86%	0.655%
3	7.153	849	861	874	rBB2	3869	11576	3.50%	0.334%
4	7.885	970	981	986	rBV	46703	109875	33.19%	3.170%
5	7.946	986	991	1002	rVV	85587	191853	57.95%	5.536%
6	8.153	1019	1025	1031	rBB2	2803	5481	1.66%	0.158%
7	8.305	1038	1050	1061	rVB	46597	102830	31.06%	2.967%
8	8.702	1107	1115	1121	rBB2	4297	9367	2.83%	0.270%
9	8.842	1130	1138	1148	rVB	122478	240555	72.66%	6.941%
10	9.336	1208	1219	1226	rBV3	8904	20104	6.07%	0.580%
11	9.896	1300	1311	1316	rBV6	2175	4924	1.49%	0.142%
12	9.957	1316	1321	1331	rVB5	2929	7478	2.26%	0.216%
13	10.098	1336	1344	1348	rBV3	2460	5453	1.65%	0.157%
14	10.323	1374	1381	1387	rBV	185478	331051	100.00%	9.552%
15	10.390	1387	1392	1404	rVV	28973	50570	15.28%	1.459%
16	10.506	1404	1411	1417	rVB5	6304	11956	3.61%	0.345%
17	10.707	1439	1444	1449	rVB3	3383	6223	1.88%	0.180%
18	10.860	1463	1469	1474	rBV4	2163	3868	1.17%	0.112%
19	11.067	1499	1503	1507	rVB2	3396	4975	1.50%	0.144%
20	11.445	1555	1565	1571	rVB4	7100	17676	5.34%	0.510%
21	11.518	1571	1577	1581	rBV3	2877	5847	1.77%	0.169%
22	11.634	1587	1596	1603	rBV	155296	263941	79.73%	7.615%
23	11.732	1606	1612	1617	rVV2	7056	12235	3.70%	0.353%
24	11.835	1621	1629	1640	rVB	33655	65950	19.92%	1.903%
25	12.164	1674	1683	1693	rVB	21549	37117	11.21%	1.071%
26	12.475	1725	1734	1742	rBV	67534	113177	34.19%	3.265%
27	12.622	1751	1758	1766	rVB	133259	218555	66.02%	6.306%
28	12.725	1770	1775	1780	rVB5	3124	6160	1.86%	0.178%
29	12.811	1781	1789	1793	rBV	5021	8464	2.56%	0.244%
30	12.872	1793	1799	1802	rBV	44054	69757	21.07%	2.013%
31	12.902	1802	1804	1807	rVV	20357	28389	8.58%	0.819%
32	12.945	1807	1811	1817	rVV	33924	57978	17.51%	1.673%
33	13.036	1819	1826	1830	rVB3	3510	6090	1.84%	0.176%
34	13.109	1832	1838	1845	rBV	18806	29950	9.05%	0.864%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

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_W\METHOD\82W010219S.M
Title : SW846 8260

35	13.256	1856	1862	1867	rBV	82533	121888	36.82%	3.517%
36	13.298	1867	1869	1874	rVB2	3396	4352	1.31%	0.126%
37	13.451	1890	1894	1895	rBV3	4336	5460	1.65%	0.158%
38	13.560	1906	1912	1926	rVB2	156676	290906	87.87%	8.393%
39	13.725	1934	1939	1940	rBV4	8169	10886	3.29%	0.314%
40	13.756	1940	1944	1947	rVV2	29313	52923	15.99%	1.527%
41	13.792	1947	1950	1961	rVV2	32194	65875	19.90%	1.901%
42	13.877	1961	1964	1969	rVV6	5993	10007	3.02%	0.289%
43	13.951	1969	1976	1981	rVV2	8706	16495	4.98%	0.476%
44	14.012	1981	1986	1989	rVV2	15294	25264	7.63%	0.729%
45	14.042	1989	1991	1996	rVV	14897	22693	6.85%	0.655%
46	14.103	1996	2001	2007	rVV2	27632	43576	13.16%	1.257%
47	14.164	2007	2011	2014	rVV3	3913	5309	1.60%	0.153%
48	14.213	2014	2019	2024	rVB2	11285	18628	5.63%	0.537%
49	14.341	2035	2040	2045	rBV2	7192	11786	3.56%	0.340%
50	14.426	2045	2054	2057	rVV	16258	29312	8.85%	0.846%
51	14.463	2057	2060	2064	rVV	22967	33151	10.01%	0.957%
52	14.505	2064	2067	2071	rVV2	9913	14920	4.51%	0.430%
53	14.548	2071	2074	2081	rVB4	5095	8432	2.55%	0.243%
54	14.646	2086	2090	2094	rVV3	4406	6648	2.01%	0.192%
55	14.694	2094	2098	2102	rVV2	12490	22228	6.71%	0.641%
56	14.737	2102	2105	2110	rVB3	8350	12209	3.69%	0.352%
57	14.810	2110	2117	2122	rBV4	17605	43773	13.22%	1.263%
58	14.865	2122	2126	2133	rVB3	5152	10671	3.22%	0.308%
59	14.963	2138	2142	2145	rBV3	2323	3378	1.02%	0.097%
60	15.072	2156	2160	2164	rBV4	6077	10350	3.13%	0.299%
61	15.176	2173	2177	2184	rVB4	6267	13420	4.05%	0.387%
62	15.371	2199	2209	2217	rBV	153763	283950	85.77%	8.193%
63	15.475	2217	2226	2232	rVB4	7254	16326	4.93%	0.471%
64	15.664	2251	2257	2263	rBV5	2117	4433	1.34%	0.128%
65	16.450	2379	2386	2395	rVB	48463	100541	30.37%	2.901%
66	16.651	2410	2419	2429	rVB2	25487	55445	16.75%	1.600%

Sum of corrected areas: 3465856

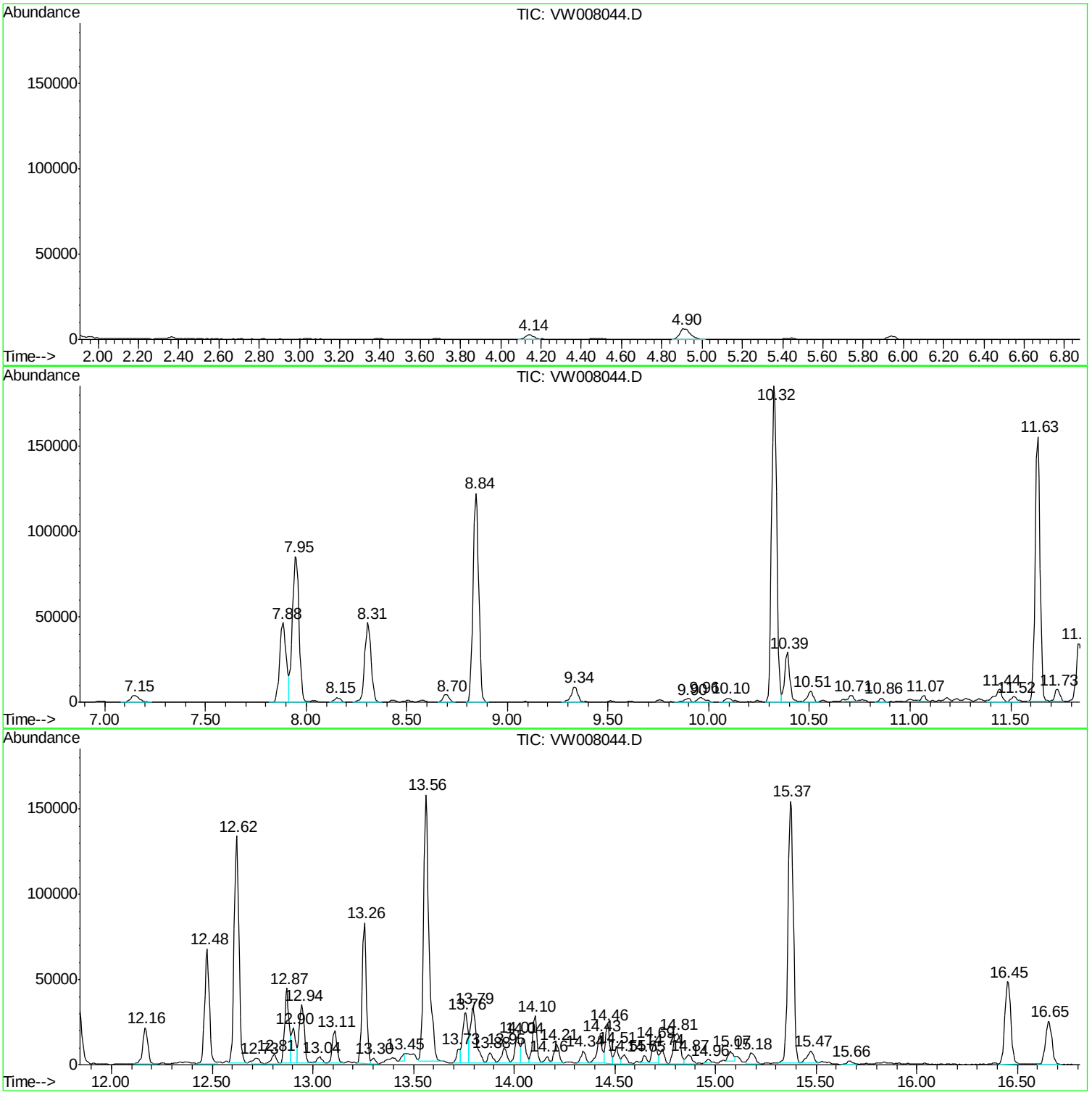
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.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 W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

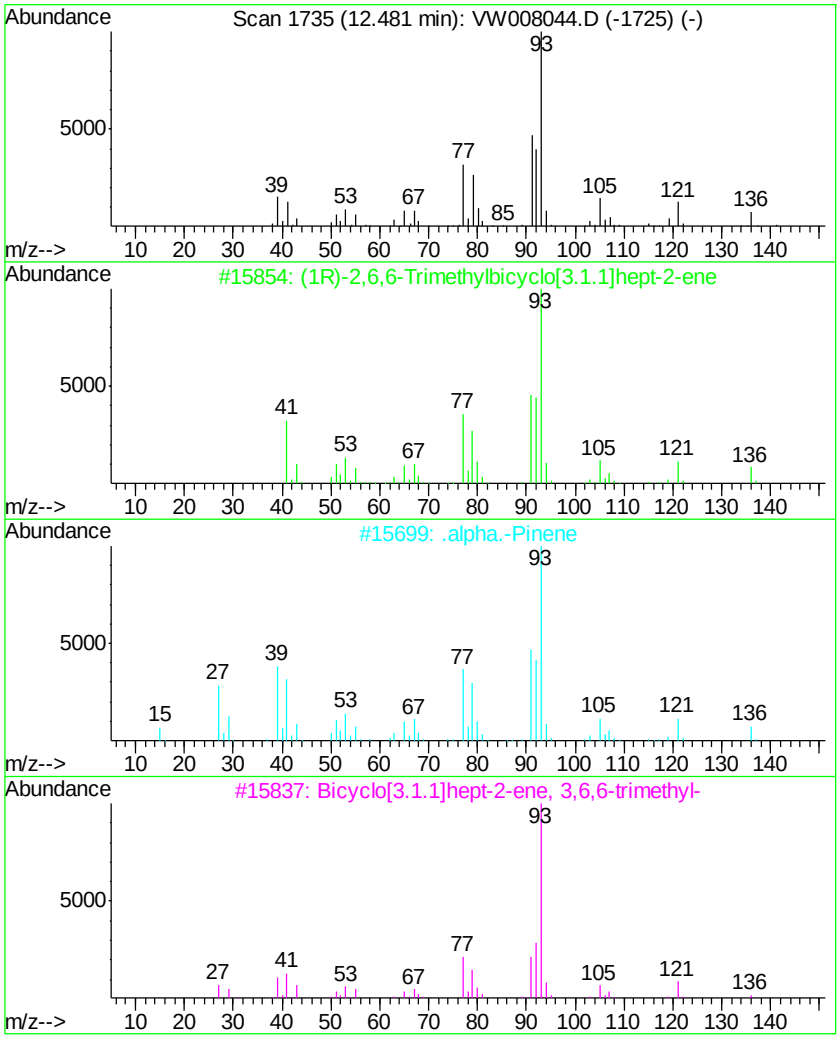
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

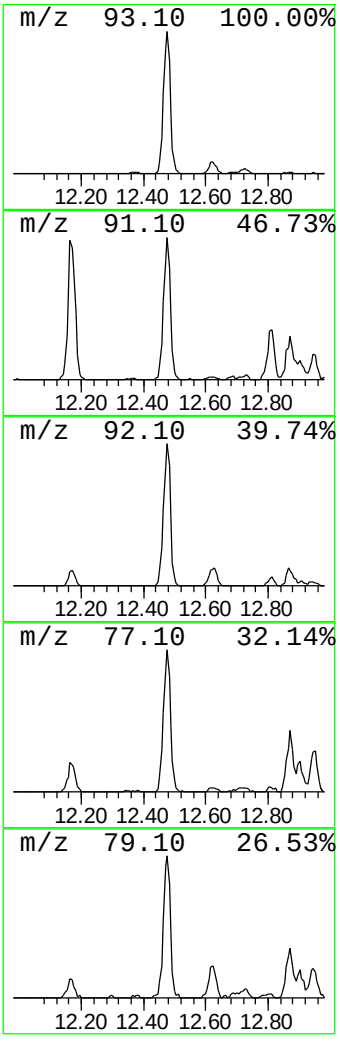
****

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	21.44 ug/l	113177	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
2	.alpha.-Pinene	136	C10H16	000080-56-8	94
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	80
5	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

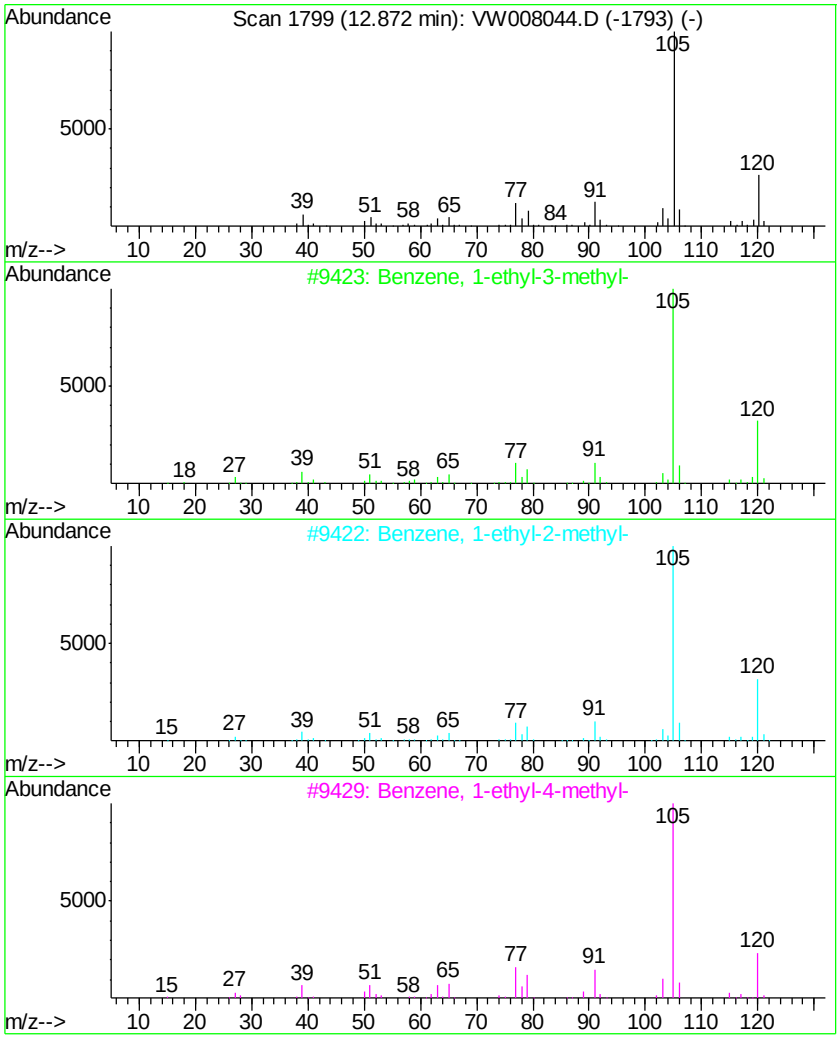
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

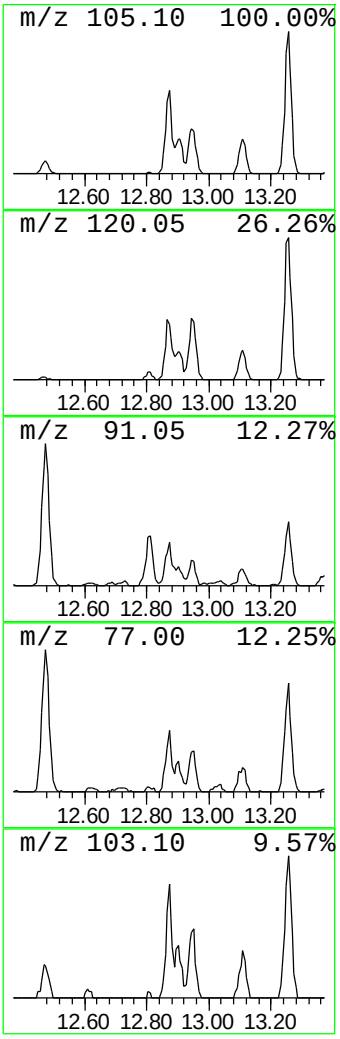
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	11.99 ug/l	69757	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

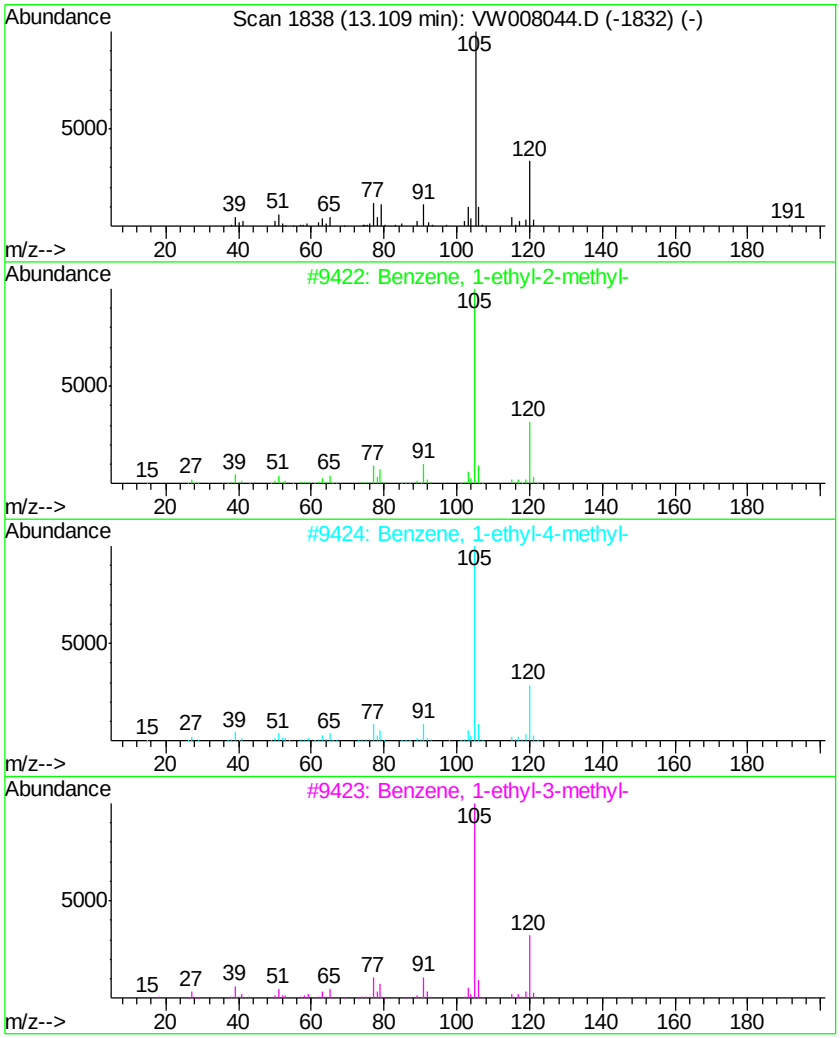
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

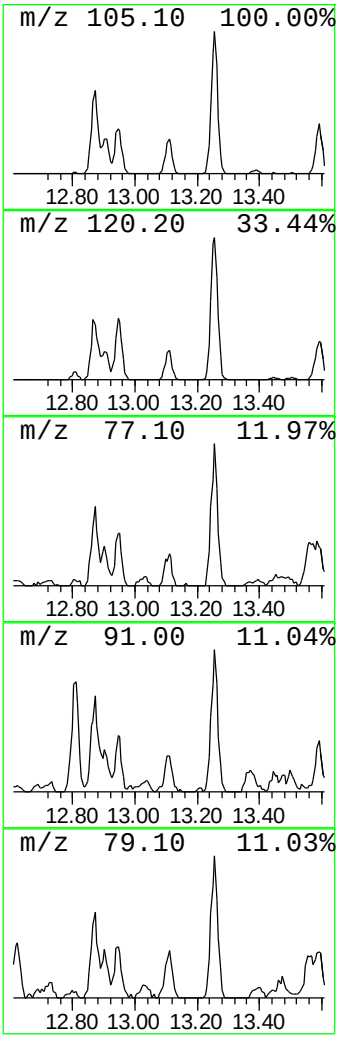
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	5.15 ug/l	29950	1,4-Dichlorobenzene-d4	13.56

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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

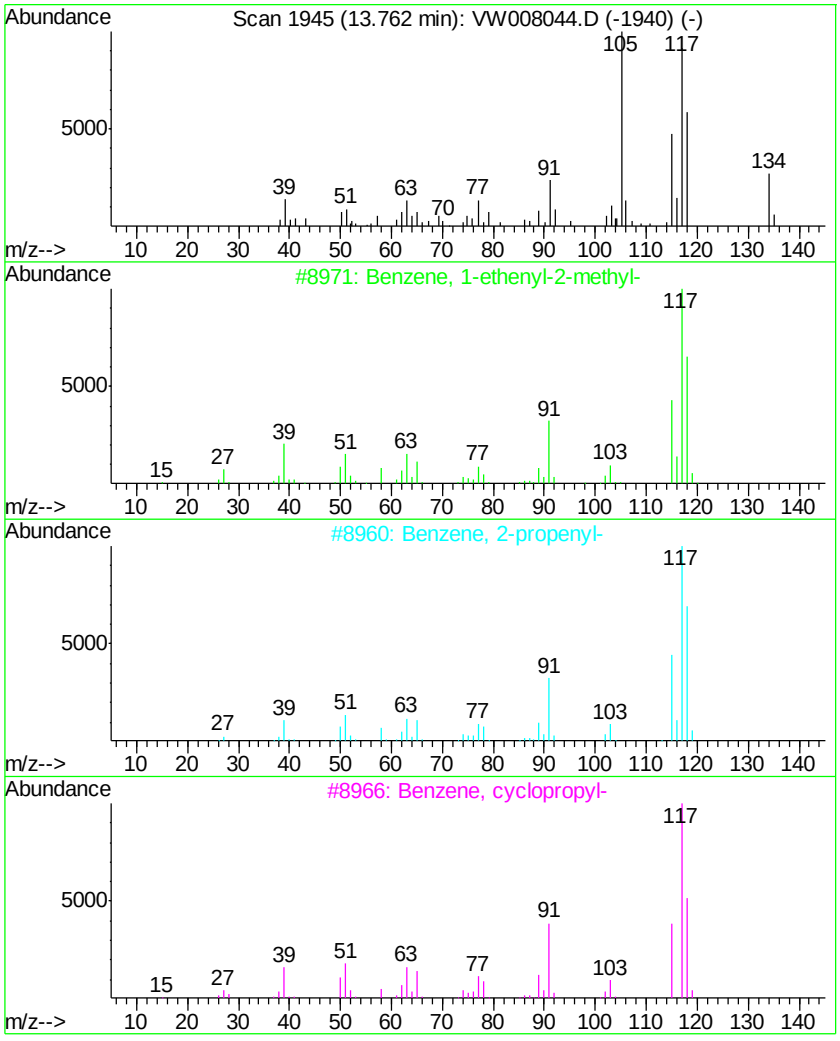
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

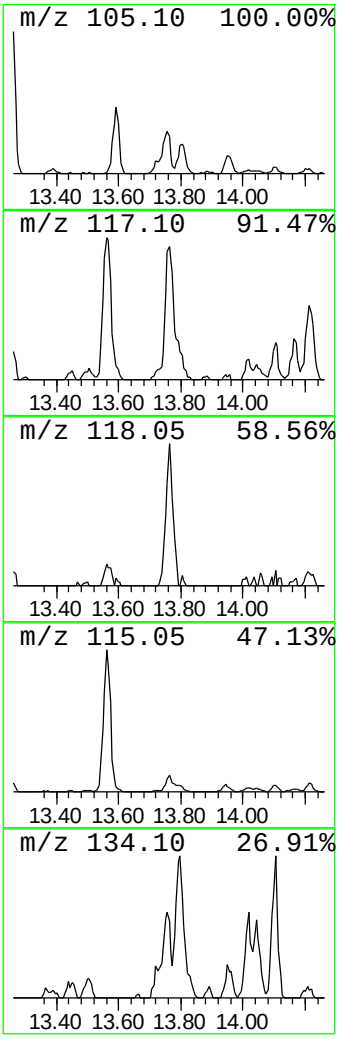
****

Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	9.10 ug/l	52923	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	45
4	Indane	118	C9H10	000496-11-7	45
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

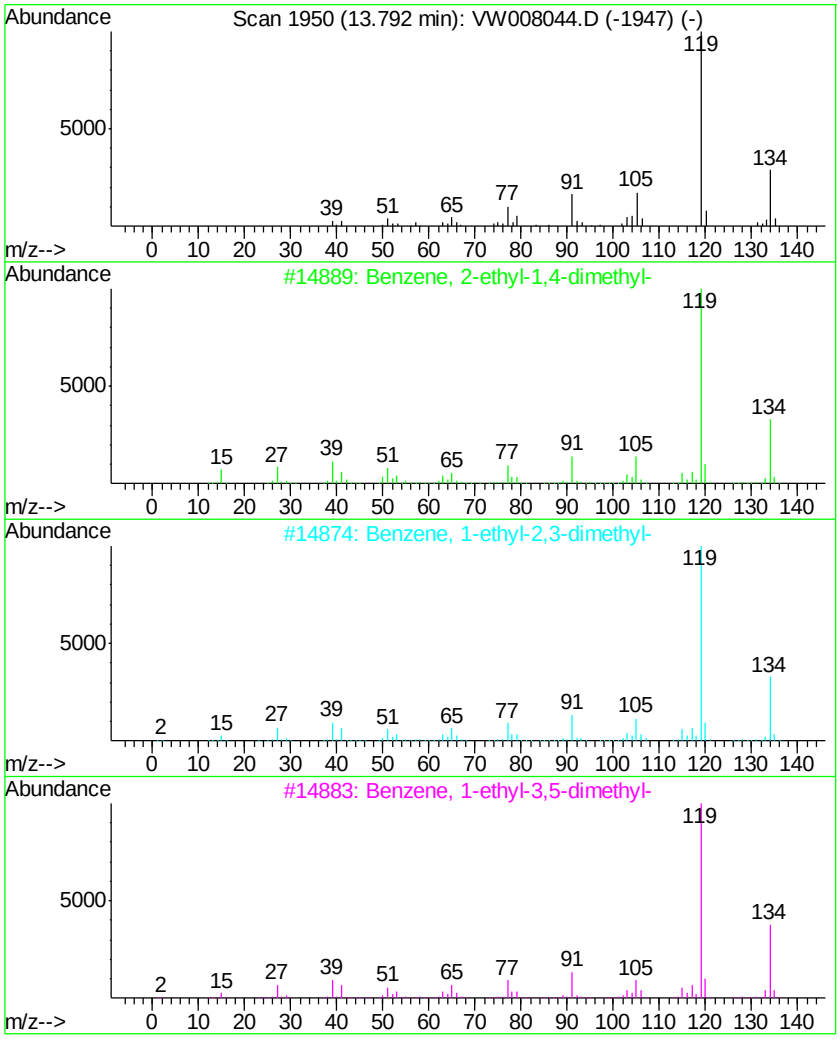
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

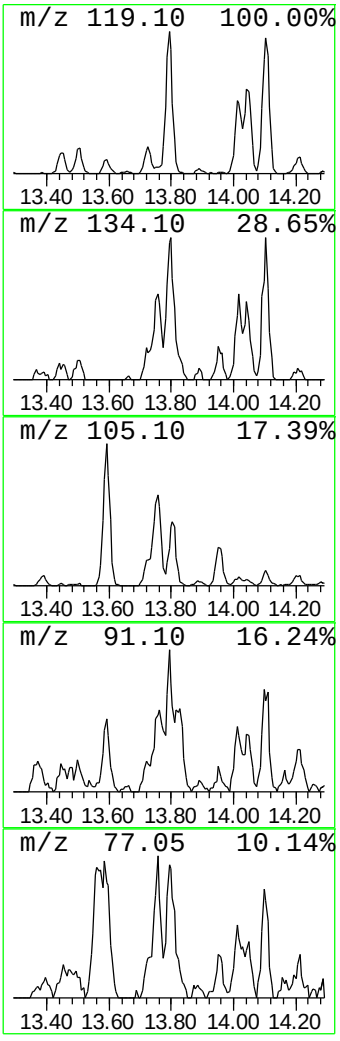
****

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	11.32 ug/l	65875	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	86
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

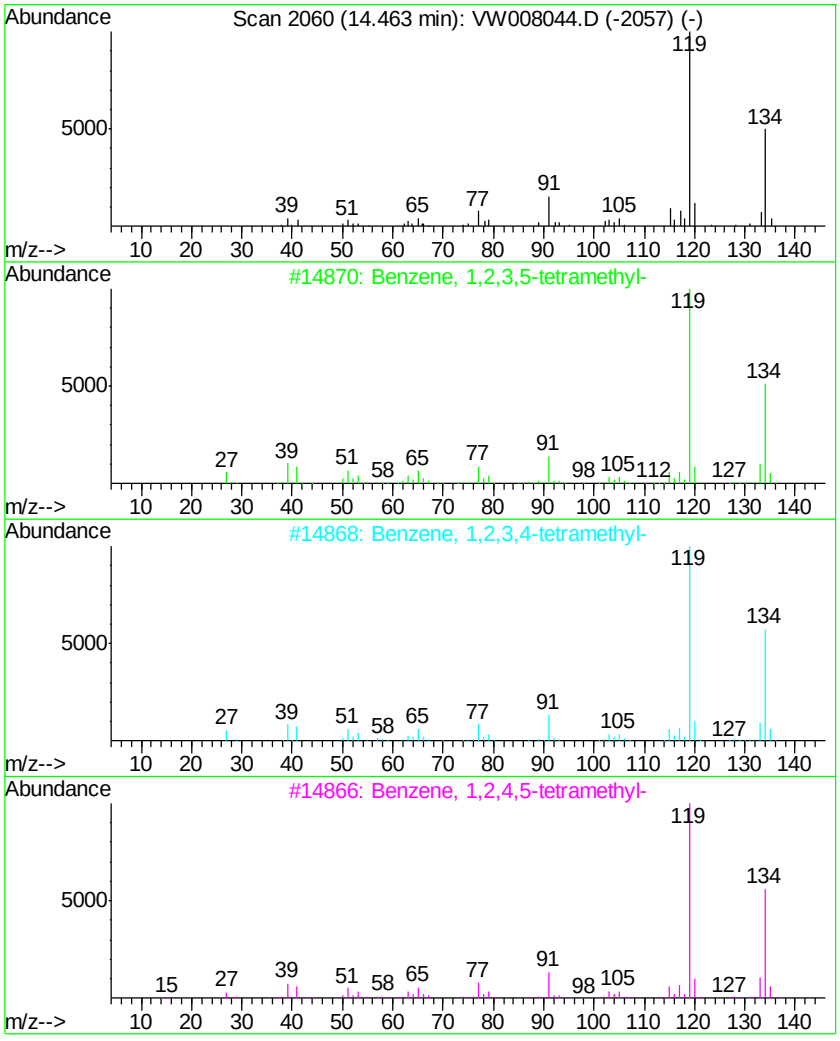
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

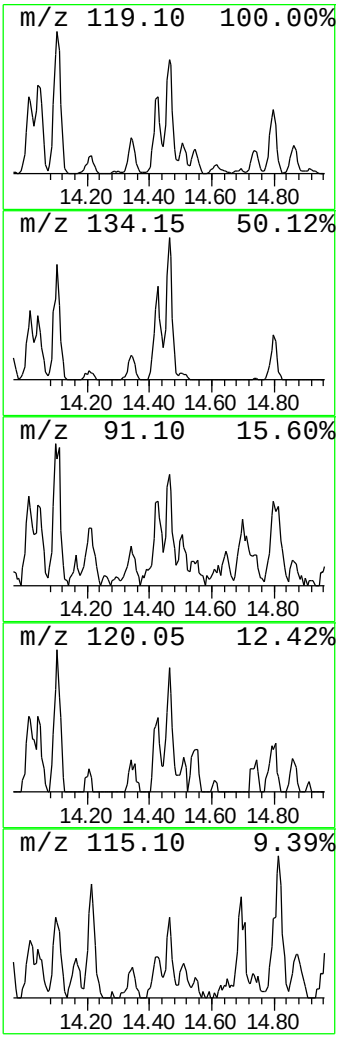
****

Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	5.70 ug/l	33151	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

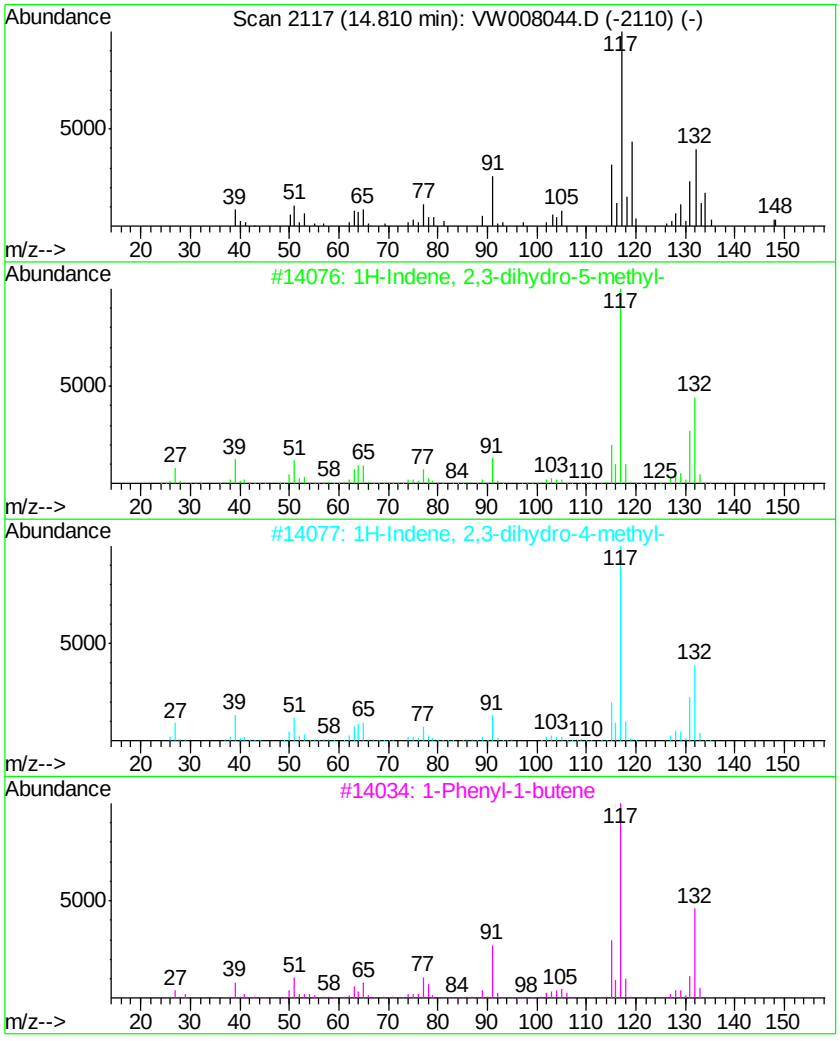
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

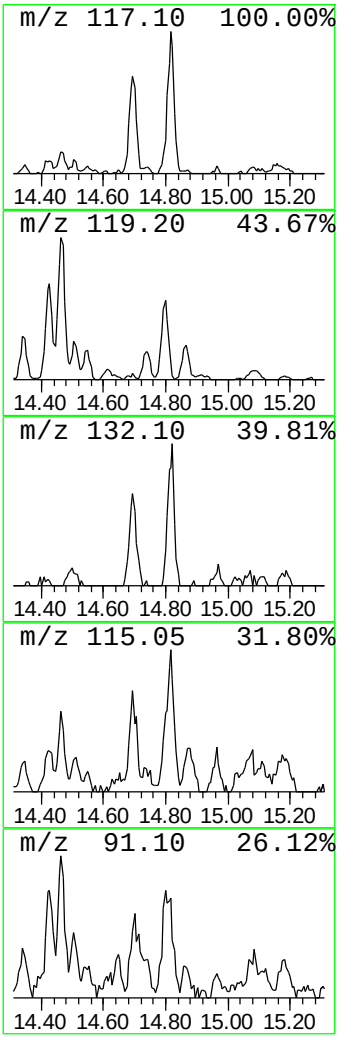
****

Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	7.52 ug/l	43773	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	68
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260

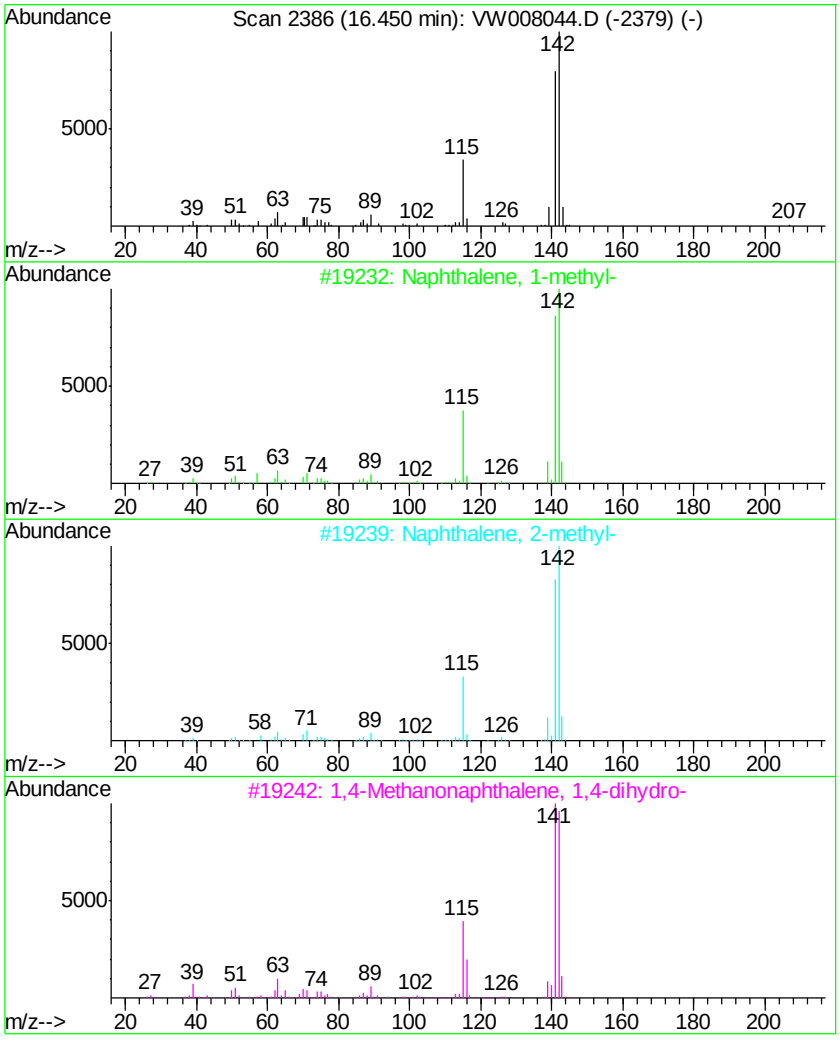
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

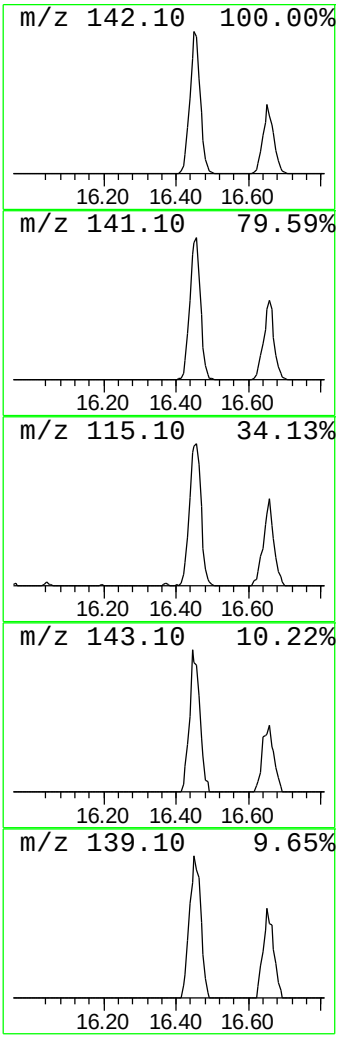
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	17.28 ug/l	100541	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010419\
Data File : VW008044.D
Acq On : 04 Jan 2019 13:43
Operator : SY/AP
Sample : K1040-02
Misc : 7.54G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : RBR-200028

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.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
(1R)-2,6,6-Trimet...	12.48	21.4	ug/l	113177	3	11.63	263941	50.0
Benzene, 1-ethyl-...	12.87	12.0	ug/l	69757	4	13.56	290906	50.0
Benzene, 1-ethyl-...	13.11	5.2	ug/l	29950	4	13.56	290906	50.0
Benzene, 1-etheny...	13.76	9.1	ug/l	52923	4	13.56	290906	50.0
Benzene, 2-ethyl-...	13.79	11.3	ug/l	65875	4	13.56	290906	50.0
Benzene, 1,2,3,5-...	14.46	5.7	ug/l	33151	4	13.56	290906	50.0
1H-Indene, 2,3-di...	14.81	7.5	ug/l	43773	4	13.56	290906	50.0
Naphthalene, 1-me...	16.45	17.3	ug/l	100541	4	13.56	290906	50.0