LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

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_Y\METHODS\82Y012120S.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	4.816	481	505	521	rBV4	18794	89478	3.74%	0.539%
2	5.291	570	583	597	rBV2	13042	46976	1.97%	0.283%
3	5.797	655	666	680	rBV4	17027	52835	2.21%	0.318%
4	6.736	809	820	828	rBV4	9959	31761	1.33%	0.191%
5	6.840	828	837	846	rVB4	11131	31618	1.32%	0.190%
6	7.760	979	988	990	rBV2	22162	48415	2.03%	0.292%
7	7.815	990	997	1006	rVV2	58444	199489	8.35%	1.201%
8	7.906	1006	1012	1022	rVV	28691	70705	2.96%	0.426%
9	8.034	1024	1033	1047	rVB	45602	105019	4.39%	0.632%
10	8.181	1047	1057	1067	rBV2	22426	54455	2.28%	0.328%
11	8.358	1079	1086	1096	rVV	51980	145638	6.09%	0.877%
12	8.577	1113	1122	1130	rBV	40110	85753	3.59%	0.516%
13	8.717	1136	1145	1158	rBV	74490	164917	6.90%	0.993%
14	9.211	1208	1226	1231	rBV3	32742	87624	3.67%	0.528%
15	9.266	1231	1235	1242	rVB3	20270	37691	1.58%	0.227%
16	9.638	1289	1296	1305	rBV	43601	88609	3.71%	0.534%
17	9.772	1306	1318	1324	rBV3	61930	143400	6.00%	0.864%
18	9.839	1324	1329	1333	rBV	37869	69380	2.90%	0.418%
19	9.979	1342	1352	1363	rBV	49398	115623	4.84%	0.696%
20	10.132	1371	1377	1382	rVB3	20236	35770	1.50%	0.215%
21	10.199	1382	1388	1393	rBV	109645	195761	8.19%	1.179%
22	10.260	1393	1398	1405	rVB	148434	263086	11.01%	1.584%
23	10.388	1411	1419	1425	rVB	49647	92106	3.85%	0.555%
24	10.632	1453	1459	1468	rBV6	12304	34460	1.44%	0.208%
25	10.918	1501	1506	1513	rBV2	13155	24259	1.01%	0.146%
26	11.290	1559	1567	1578	rVB2	43206	98975	4.14%	0.596%
27	11.394	1578	1584	1589	rBV	38178	62150	2.60%	0.374%
28	11.503	1595	1602	1609	rBV	88065	153135	6.41%	0.922%
29	11.607	1612	1619	1627	rVB	349705	563836	23.59%	3.396%
30	11.711	1629	1636	1648	rVB	1365549	2390338	100.00%	14.396%
31	12.040	1682	1690	1699	rVB	460976	726236	30.38%	4.374%
32	12.339	1734	1739	1744	rBV	85043	133341	5.58%	0.803%
33	12.491	1759	1764	1768	rBV	57103	94172	3.94%	0.567%
34	12.680	1789	1795	1800	rBV	217154	323361	13.53%	1.947%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

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_Y\METHODS\82Y012120S.M
Title : SW846 8260

35	12.741	1800	1805	1809	rVV	737112	1227618	51.36%	7.393%
36	12.778	1809	1811	1814	rVV	338692	411991	17.24%	2.481%
37	12.820	1814	1818	1824	rVB	426675	627631	26.26%	3.780%
38	12.979	1838	1844	1853	rVB	286350	446287	18.67%	2.688%
39	13.131	1862	1869	1875	rBV	1401717	2165123	90.58%	13.040%
40	13.259	1883	1890	1894	rBV3	26716	70277	2.94%	0.423%
41	13.320	1896	1900	1905	rVV	46209	73917	3.09%	0.445%
42	13.375	1905	1909	1913	rVV2	18507	34073	1.43%	0.205%
43	13.436	1914	1919	1920	rVV	73541	101867	4.26%	0.613%
44	13.466	1920	1924	1930	rVB	310736	473168	19.80%	2.850%
45	13.601	1941	1946	1948	rBV	77816	125612	5.25%	0.757%
46	13.631	1948	1951	1955	rVV2	315523	495354	20.72%	2.983%
47	13.674	1955	1958	1969	rVV3	275959	507402	21.23%	3.056%
48	13.765	1969	1973	1976	rVV2	20518	29937	1.25%	0.180%
49	13.832	1978	1984	1989	rVV	67452	111553	4.67%	0.672%
50	13.893	1989	1994	1997	rVV	135568	227284	9.51%	1.369%
51	13.924	1997	1999	2003	rVV	126714	155210	6.49%	0.935%
52	13.979	2003	2008	2013	rVB	239691	344448	14.41%	2.074%
53	14.040	2014	2018	2021	rBV2	21414	31142	1.30%	0.188%
54	14.088	2021	2026	2031	rVB	90639	142542	5.96%	0.858%
55	14.222	2043	2048	2052	rBV	51544	82921	3.47%	0.499%
56	14.302	2057	2061	2064	rVV	126333	190777	7.98%	1.149%
57	14.344	2064	2068	2072	rVV	173236	255193	10.68%	1.537%
58	14.387	2072	2075	2079	rVV	38615	57798	2.42%	0.348%
59	14.430	2079	2082	2085	rVB	22039	25702	1.08%	0.155%
60	14.533	2094	2099	2100	rBV	33696	47363	1.98%	0.285%
61	14.576	2100	2106	2118	rVB3	155392	419088	17.53%	2.524%
62	14.686	2118	2124	2131	rBV3	121133	280925	11.75%	1.692%
63	14.747	2131	2134	2140	rVB	30121	48747	2.04%	0.294%
64	14.954	2163	2168	2179	rVB3	46068	124255	5.20%	0.748%
65	15.064	2181	2186	2193	rVB2	33762	64139	2.68%	0.386%
66	15.247	2210	2216	2229	rBV2	58931	149013	6.23%	0.897%
67	15.350	2230	2233	2239	rVB7	17931	27700	1.16%	0.167%
68	15.533	2258	2263	2275	rBV4	15699	48573	2.03%	0.293%
69	16.301	2383	2389	2396	rVB	25425	57062	2.39%	0.344%
70	16.777	2454	2467	2478	rBV6	14832	62239	2.60%	0.375%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
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Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

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_Y\METHODS\82Y012120S.M
Title : SW846 8260

Sum of corrected areas: 16604303

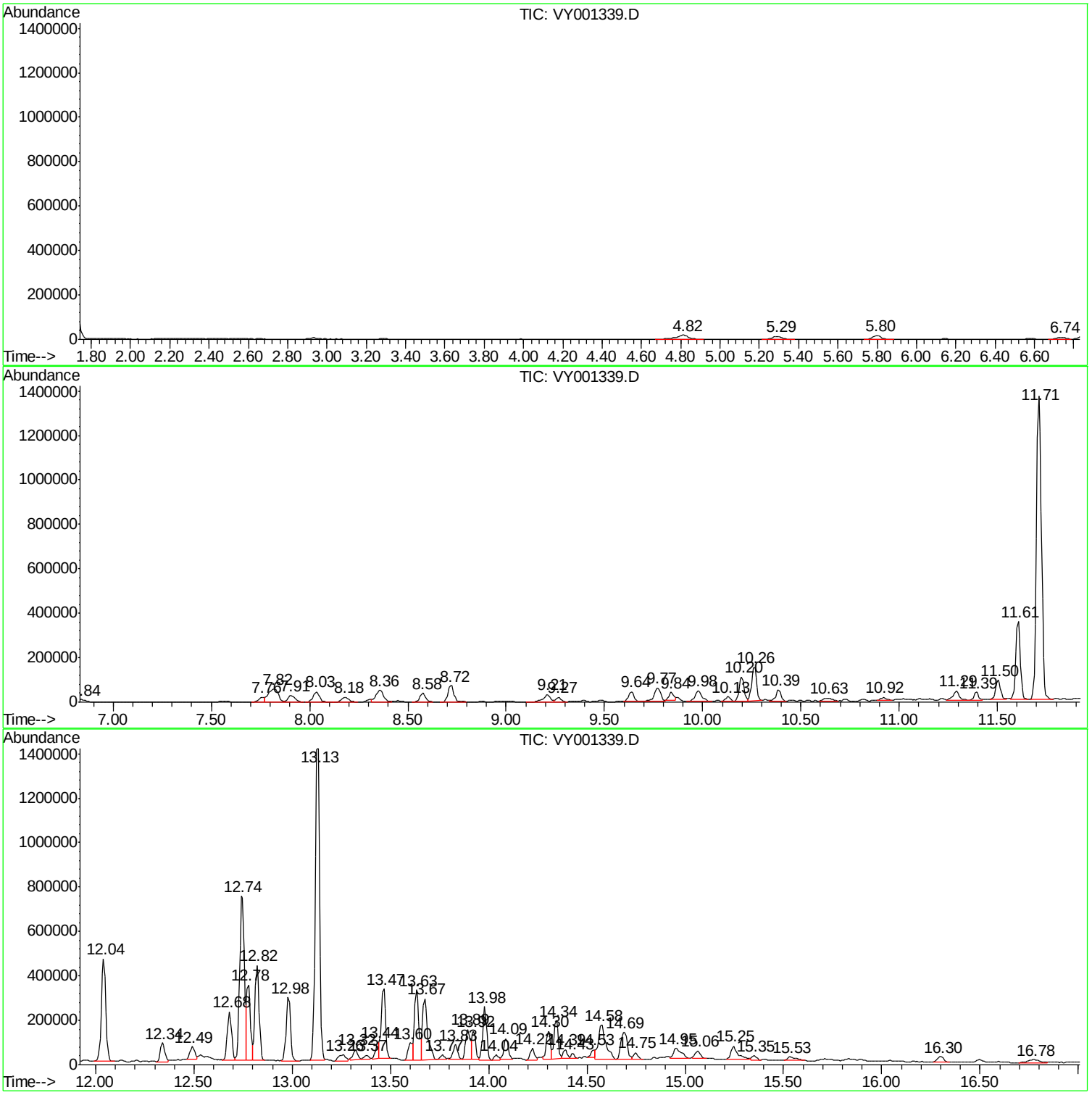
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.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_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

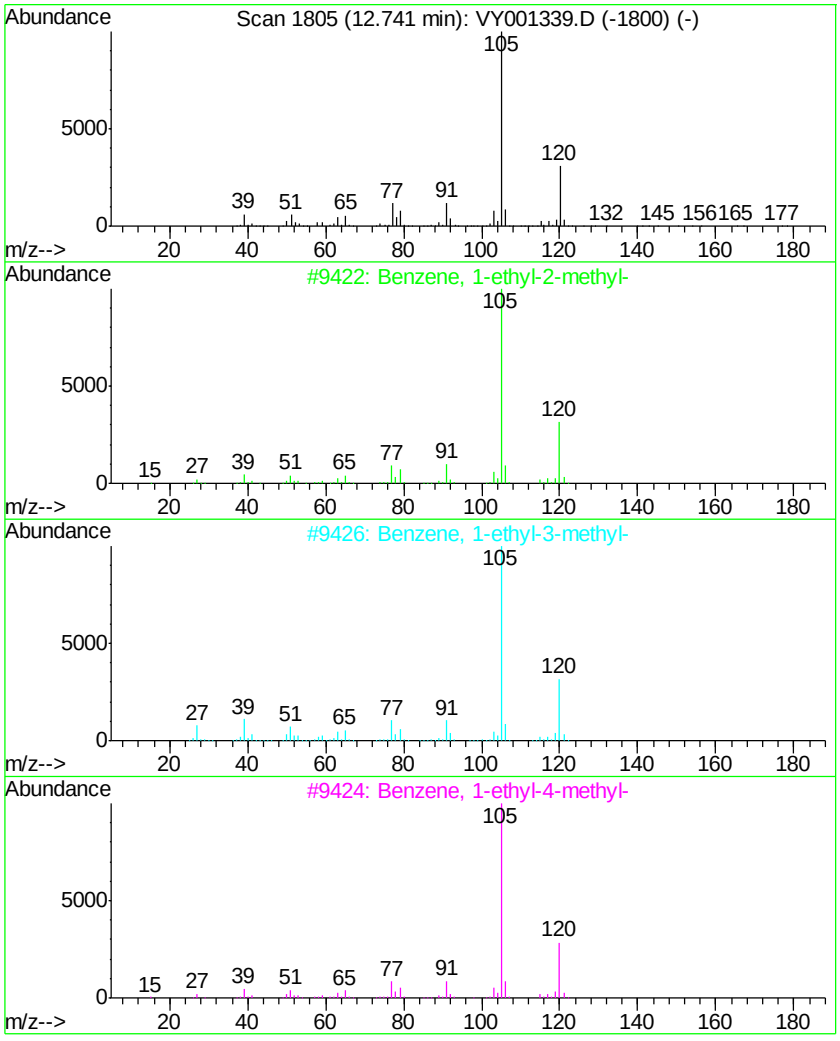
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

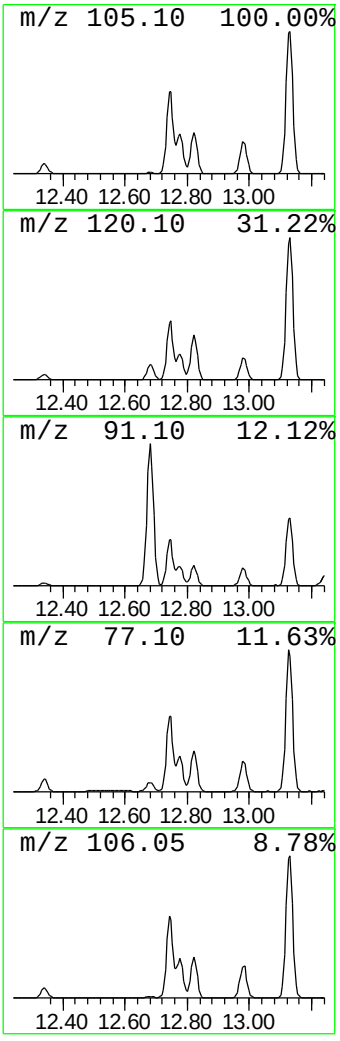
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	602.56 ug/l	1227620	1,4-Dichlorobenzene-d4	13.44

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

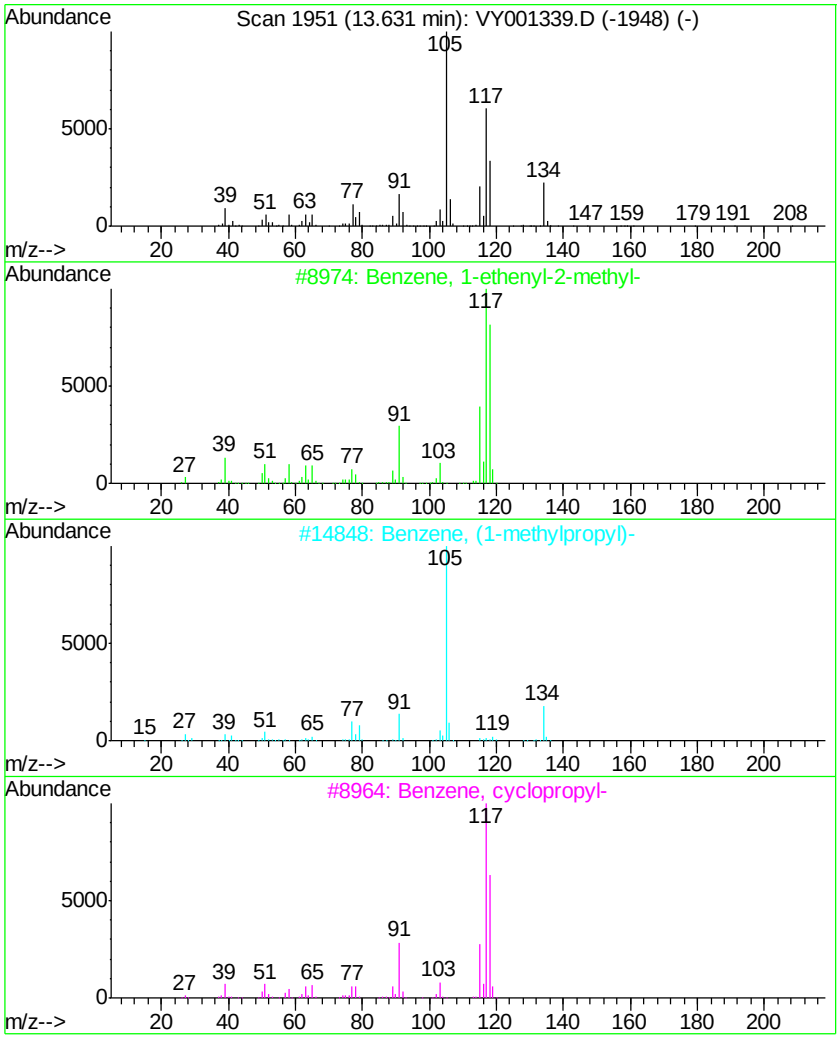
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

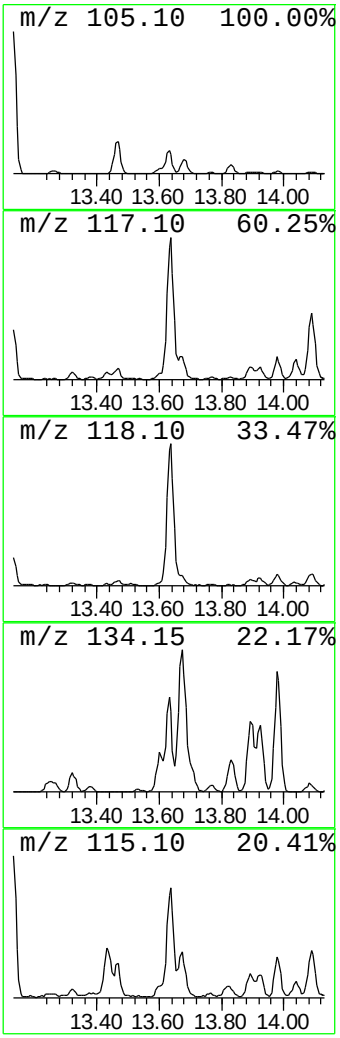
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	243.14 ug/l	495354	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	45
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	45
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

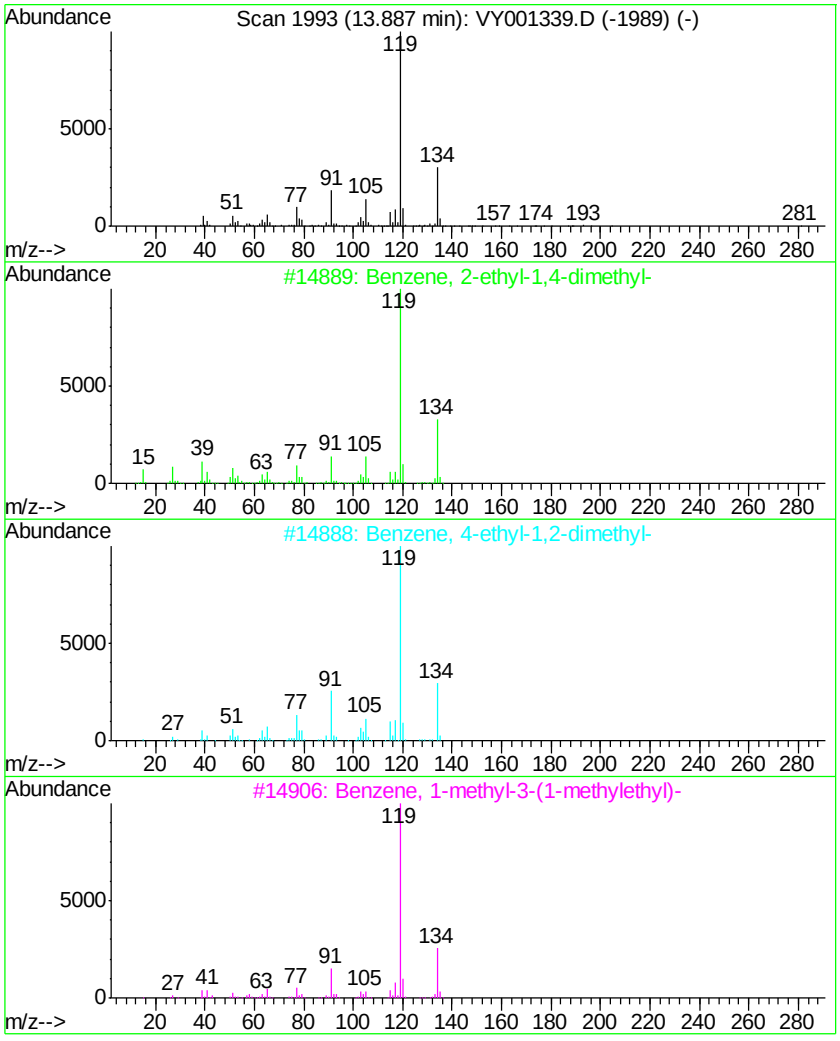
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

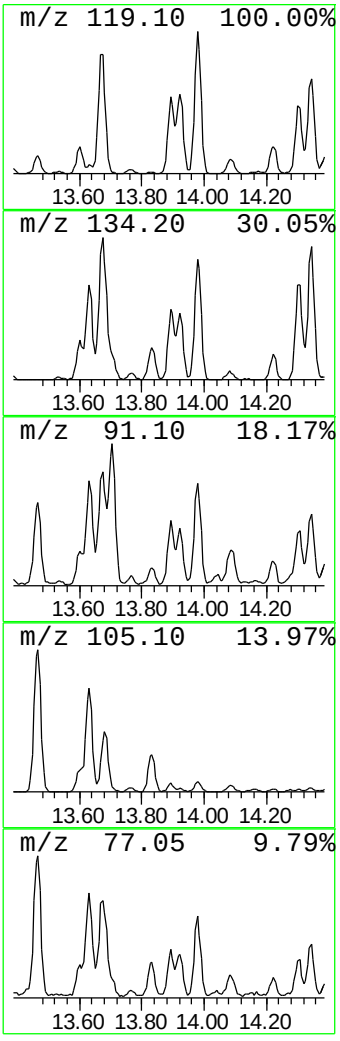
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	111.56 ug/l	227284	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

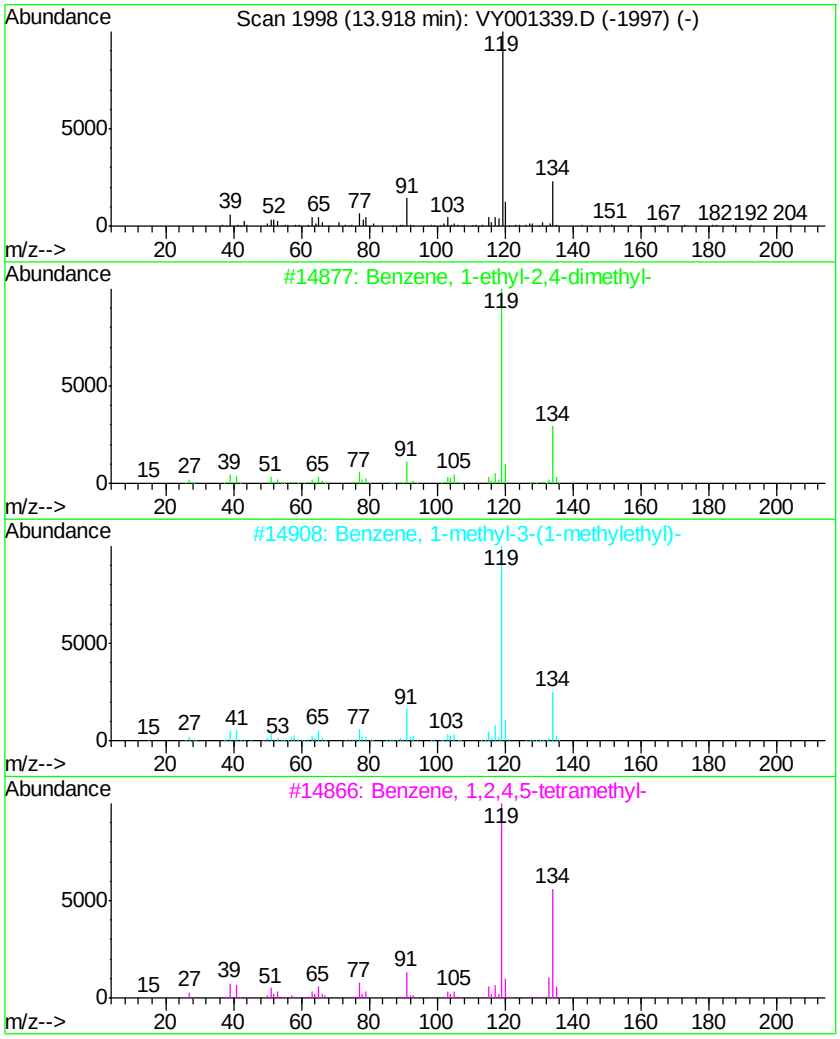
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

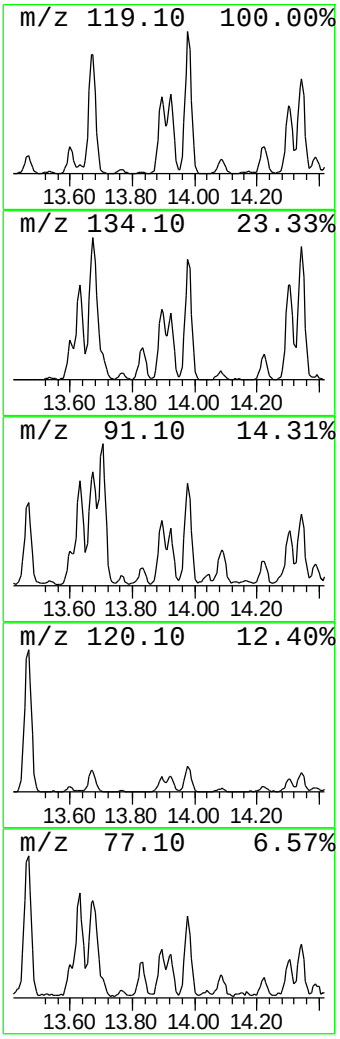
****

Peak Number 5 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	76.18 ug/l	155210	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
5	o-Cymene	134	C10H14	000527-84-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

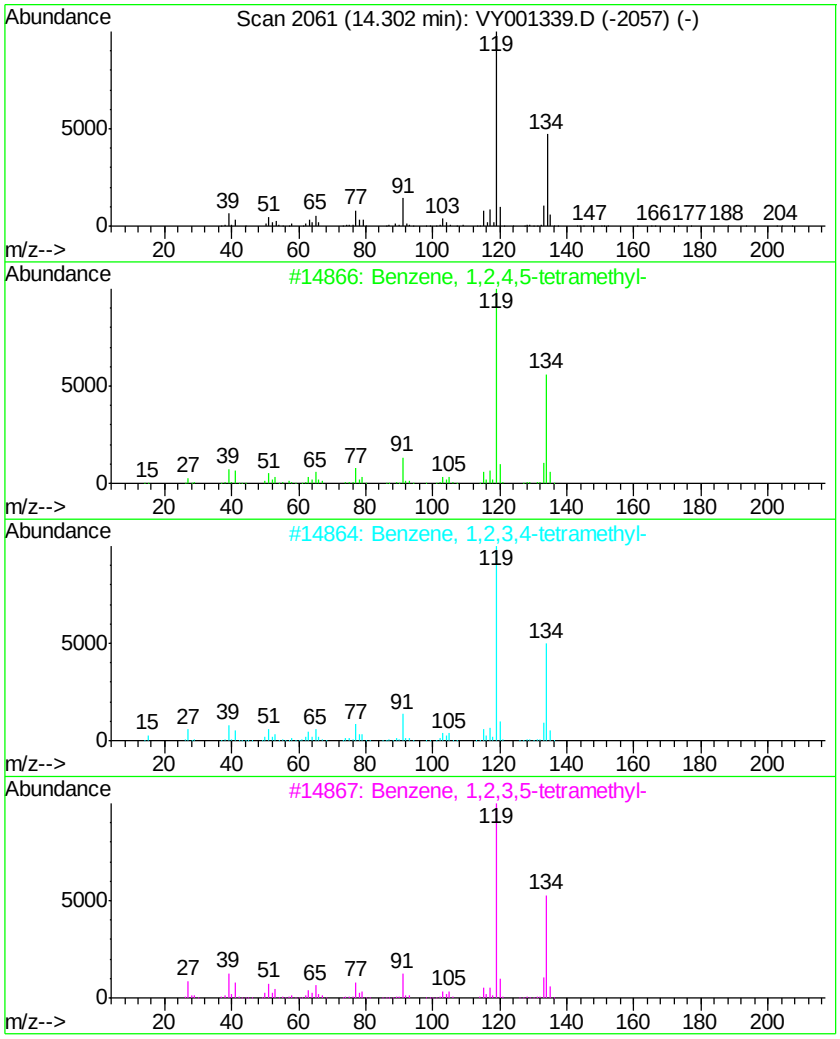
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

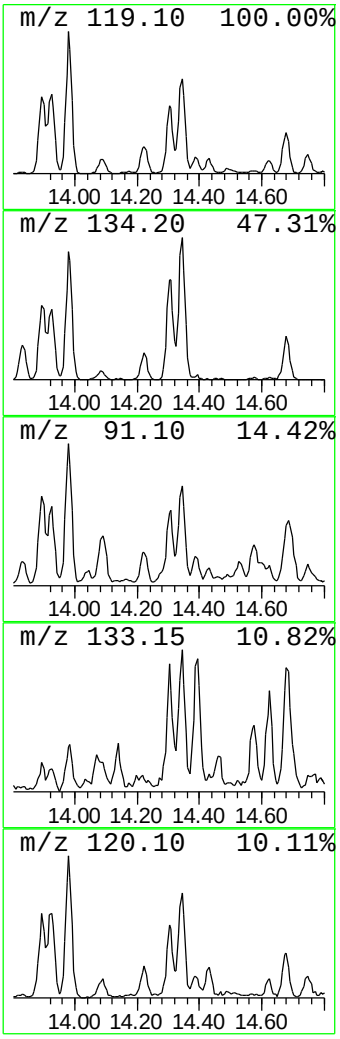
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	93.64 ug/l	190777	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

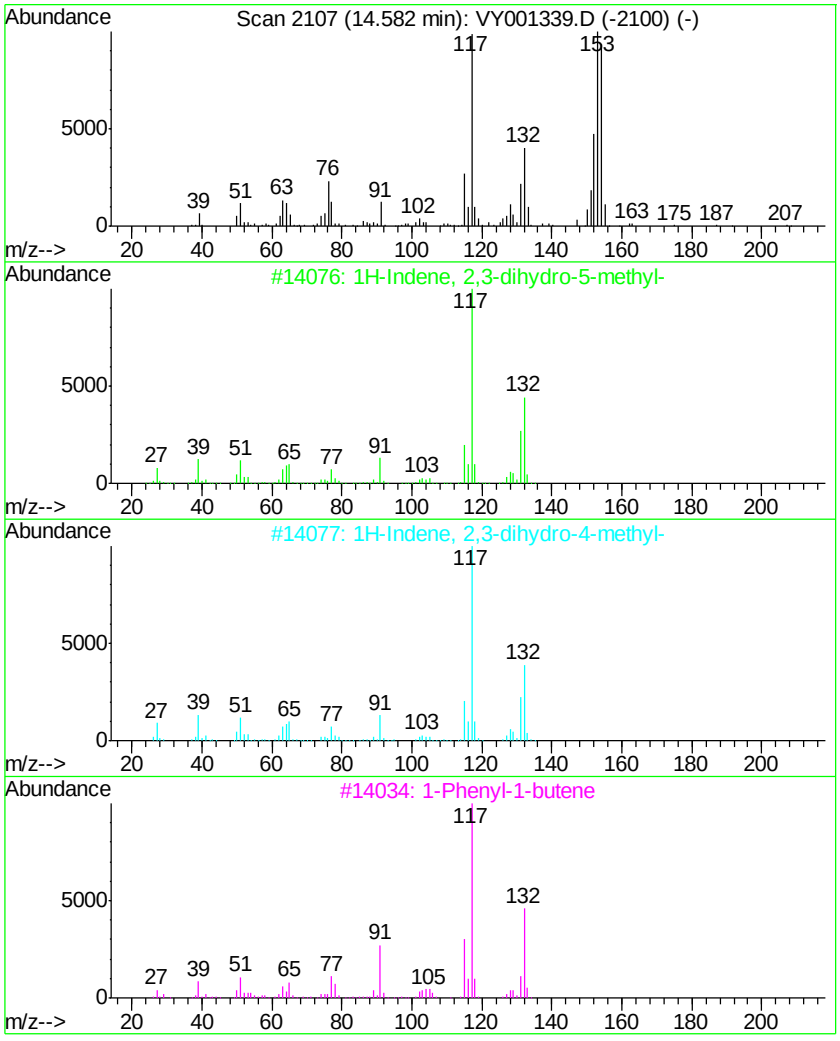
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

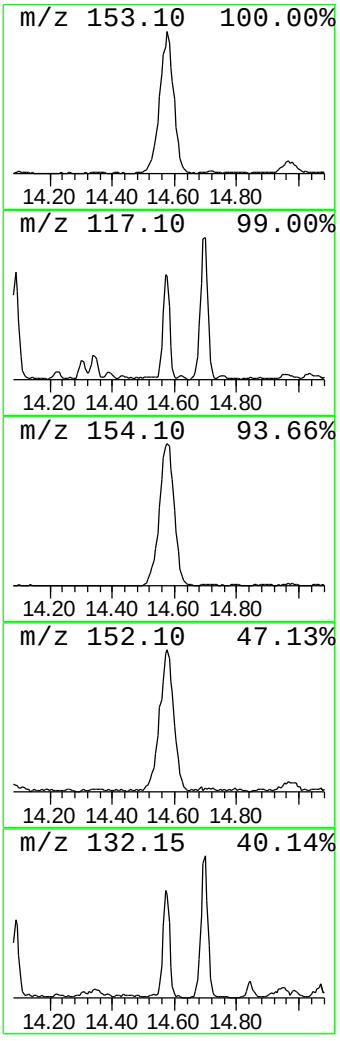
****

Peak Number 9 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	205.70 ug/l	419088	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	46
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	46
5	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260

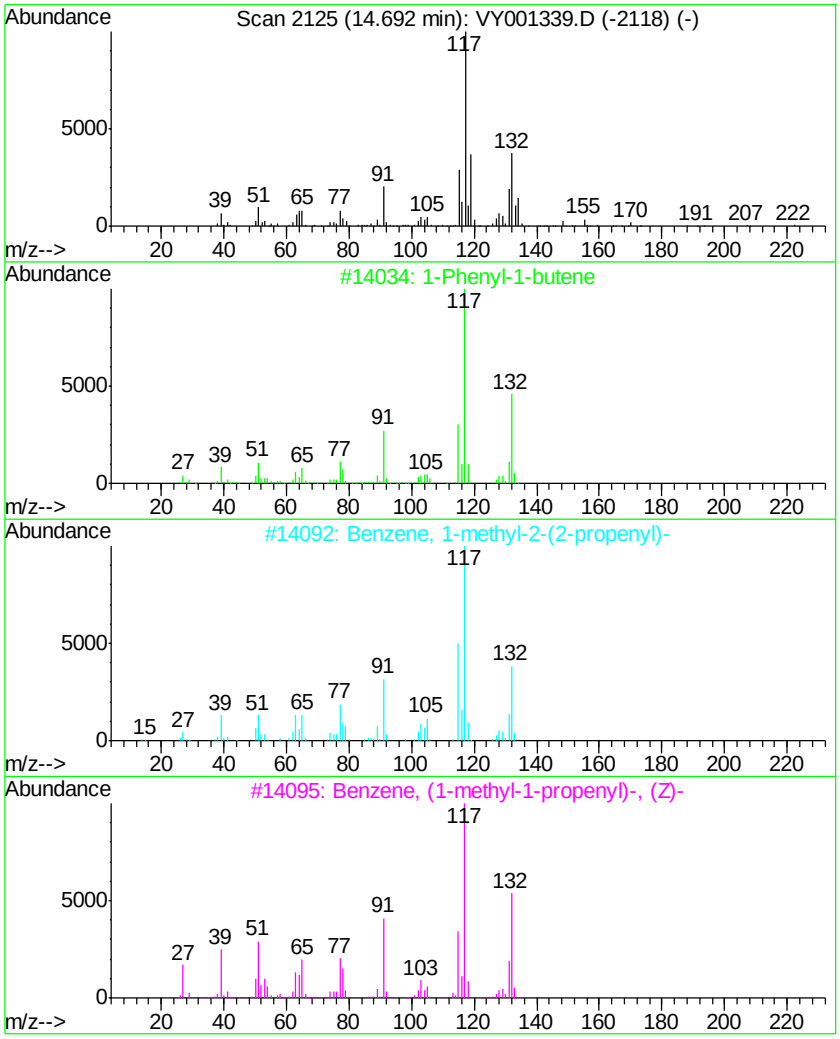
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

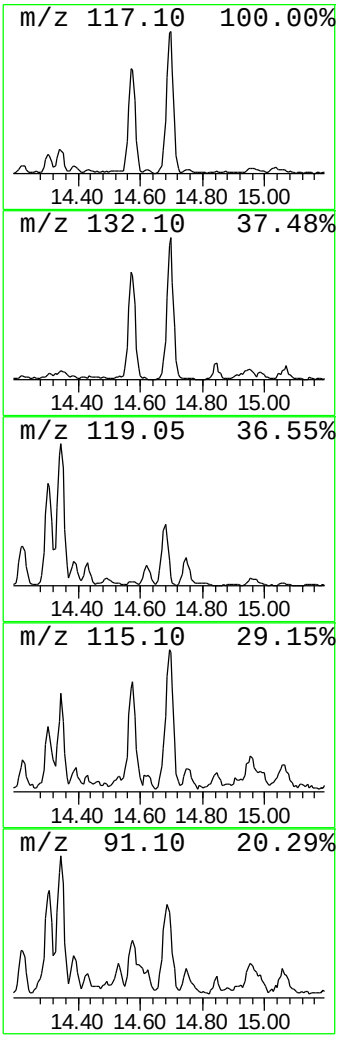
****

Peak Number 10 1-Phenyl-1-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	137.89 ug/l	280925	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	55
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012220\
Data File : VY001339.D
Acq On : 22 Jan 2020 18:21
Operator : SY/MD
Sample : L1215-01
Misc : 5.58G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : RBR-200055

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.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-ethyl-...	12.74	602.6	ug/l	1227620	4	13.44	101867	50.0
Benzene, 1-etheny...	13.63	243.1	ug/l	495354	4	13.44	101867	50.0
Benzene, 2-ethyl-...	13.89	111.6	ug/l	227284	4	13.44	101867	50.0
Benzene, 1-ethyl-...	13.92	76.2	ug/l	155210	4	13.44	101867	50.0
Benzene, 1,2,4,5-...	14.30	93.6	ug/l	190777	4	13.44	101867	50.0
1H-Indene, 2,3-di...	14.58	205.7	ug/l	419088	4	13.44	101867	50.0
1-Phenyl-1-butene	14.69	137.9	ug/l	280925	4	13.44	101867	50.0