LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030920\
Data File : VY001915.D
Acq On : 09 Mar 2020 17:54
Operator : SY/MD
Sample : L1852-22
Misc : 6.59G/5ML/MSVOA Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : TP-4-S2

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\82Y030420S.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	4.724	481	490	505	rBV2	11380	38307	3.97%	0.521%
2	7.730	973	983	988	rBV	111404	263570	27.33%	3.583%
3	7.797	988	994	1004	rVB	194592	450010	46.66%	6.117%
4	8.004	1020	1028	1034	rBV3	5063	11967	1.24%	0.163%
5	8.151	1043	1052	1062	rBV	126157	269769	27.97%	3.667%
6	8.419	1091	1096	1104	rVB3	4799	12165	1.26%	0.165%
7	8.553	1110	1118	1125	rBV3	7851	15500	1.61%	0.211%
8	8.699	1132	1142	1152	rVB	316929	631883	65.52%	8.589%
9	9.187	1209	1222	1229	rBV2	37039	83695	8.68%	1.138%
10	9.821	1320	1326	1330	rBV2	9652	17123	1.78%	0.233%
11	9.961	1340	1349	1361	rVB5	7999	22261	2.31%	0.303%
12	10.181	1377	1385	1392	rBV	547511	964383	100.00%	13.108%
13	10.248	1392	1396	1401	rVB	27097	47845	4.96%	0.650%
14	10.370	1408	1416	1423	rVB2	27771	55875	5.79%	0.759%
15	10.522	1435	1441	1448	rVB	23655	42385	4.40%	0.576%
16	10.620	1451	1457	1463	rVB4	21043	39447	4.09%	0.536%
17	10.802	1482	1487	1492	rBV2	5892	10269	1.06%	0.140%
18	10.967	1509	1514	1517	rBV3	8696	15571	1.61%	0.212%
19	11.004	1517	1520	1522	rVV3	11420	18929	1.96%	0.257%
20	11.034	1522	1525	1530	rVV	32598	53181	5.51%	0.723%
21	11.089	1530	1534	1540	rVB2	20087	32859	3.41%	0.447%
22	11.205	1548	1553	1557	rBV3	6261	11057	1.15%	0.150%
23	11.290	1557	1567	1576	rVB5	21083	58104	6.02%	0.790%
24	11.382	1576	1582	1587	rBV2	12565	22225	2.30%	0.302%
25	11.491	1593	1600	1610	rBV	463392	738897	76.62%	10.043%
26	11.595	1610	1617	1620	rVV2	24943	47798	4.96%	0.650%
27	11.626	1620	1622	1626	rVV2	10299	13832	1.43%	0.188%
28	11.699	1626	1634	1644	rVV2	92139	220693	22.88%	3.000%
29	11.778	1644	1647	1652	rVB4	8399	14747	1.53%	0.200%
30	12.028	1676	1688	1696	rBV2	55327	117109	12.14%	1.592%
31	12.479	1757	1762	1772	rVB	309535	504972	52.36%	6.864%
32	12.674	1786	1794	1798	rVB	14462	26465	2.74%	0.360%
33	12.735	1798	1804	1807	rBV	55735	84912	8.80%	1.154%
34	12.766	1807	1809	1812	rVV	23491	32423	3.36%	0.441%

LSC Area Percent Report

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Operator : SY/MD
Sample : L1852-22
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : TP-4-S2

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\82Y030420S.M
Title : SW846 8260

35	12.808	1812	1816	1822	rVB2	76999	123809	12.84%	1.683%
36	12.973	1836	1843	1849	rBV	26029	41486	4.30%	0.564%
37	13.119	1861	1867	1873	rBV	140761	209587	21.73%	2.849%
38	13.253	1882	1889	1892	rBV4	6617	11555	1.20%	0.157%
39	13.314	1893	1899	1903	rVV3	13662	21963	2.28%	0.299%
40	13.369	1903	1908	1911	rVV	8265	10759	1.12%	0.146%
41	13.424	1911	1917	1928	rVB2	380452	663232	68.77%	9.015%
42	13.625	1941	1950	1954	rBV2	40319	71919	7.46%	0.978%
43	13.668	1954	1957	1966	rVB3	32869	60814	6.31%	0.827%
44	13.753	1966	1971	1976	rBV3	16274	24309	2.52%	0.330%
45	13.826	1979	1983	1988	rVB	12611	18153	1.88%	0.247%
46	13.887	1988	1993	1995	rBV2	16437	25222	2.62%	0.343%
47	13.918	1995	1998	2002	rVV	19577	28256	2.93%	0.384%
48	13.973	2002	2007	2012	rVB3	31102	48928	5.07%	0.665%
49	14.082	2020	2025	2030	rVB	31857	48094	4.99%	0.654%
50	14.217	2043	2047	2051	rBV2	10092	15492	1.61%	0.211%
51	14.296	2056	2060	2063	rVV2	16166	25513	2.65%	0.347%
52	14.338	2063	2067	2071	rVV	26872	36745	3.81%	0.499%
53	14.387	2071	2075	2078	rVV2	11543	15336	1.59%	0.208%
54	14.424	2078	2081	2084	rVV2	8264	10155	1.05%	0.138%
55	14.521	2092	2097	2101	rVV2	11146	14268	1.48%	0.194%
56	14.570	2101	2105	2110	rVV4	23822	45171	4.68%	0.614%
57	14.613	2110	2112	2117	rVB	16236	20437	2.12%	0.278%
58	14.686	2117	2124	2130	rBV4	57216	121790	12.63%	1.655%
59	14.741	2130	2133	2139	rVB4	7835	11998	1.24%	0.163%
60	14.838	2143	2149	2157	rBV	53141	81990	8.50%	1.114%
61	14.948	2162	2167	2170	rVV5	17782	35849	3.72%	0.487%
62	14.985	2170	2173	2177	rVV3	14969	24786	2.57%	0.337%
63	15.058	2179	2185	2193	rVB4	19473	47980	4.98%	0.652%
64	15.241	2204	2215	2219	rBV2	18451	43499	4.51%	0.591%
65	15.296	2219	2224	2229	rBV	21666	32558	3.38%	0.443%
66	15.350	2229	2233	2239	rBV7	13902	35862	3.72%	0.487%
67	15.436	2245	2247	2255	rVB7	6648	10680	1.11%	0.145%
68	15.527	2255	2262	2270	rBV3	16156	32384	3.36%	0.440%
69	15.698	2280	2290	2291	rBV5	11385	23006	2.39%	0.313%
70	15.728	2291	2295	2305	rVB	35520	67671	7.02%	0.920%
71	15.893	2316	2322	2328	rBV5	9019	20196	2.09%	0.275%

LSC Area Percent Report

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ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : TP-4-S2

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\82Y030420S.M
Title : SW846 8260

72	16.045	2338	2347	2355	rBV4	20636	47160	4.89%	0.641%
73	16.234	2369	2378	2383	rBV3	14156	32884	3.41%	0.447%
74	16.295	2383	2388	2394	rVB	22139	41847	4.34%	0.569%
75	16.497	2414	2421	2429	rBV4	19326	48374	5.02%	0.658%
76	16.631	2437	2443	2452	rVB9	5588	15184	1.57%	0.206%

Sum of corrected areas: 7357129

LSC Report - Integrated Chromatogram

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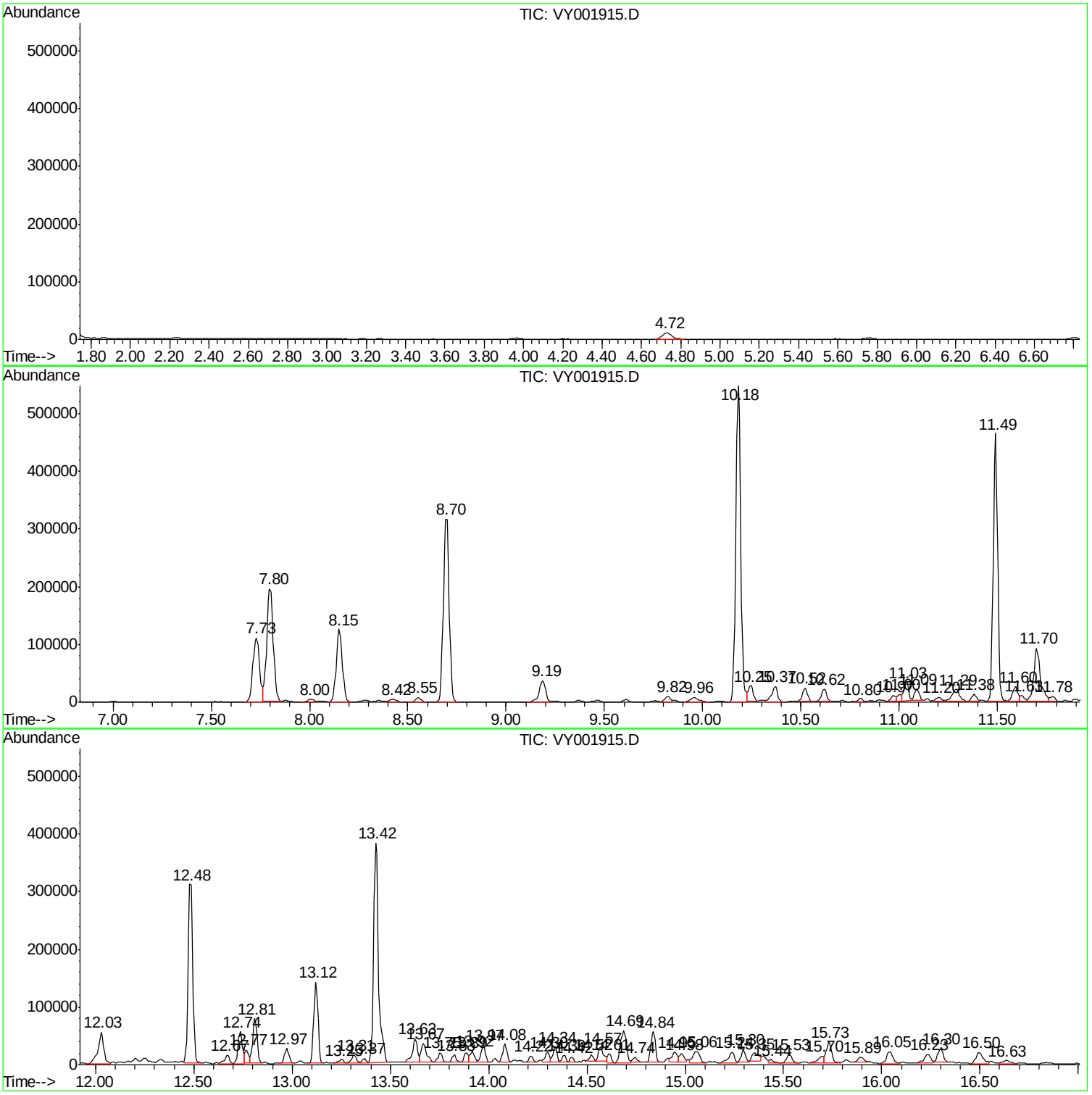
Data File : VY001915.D
Acq On : 09 Mar 2020 17:54
Operator : SY/MD
Sample : L1852-22
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : TP-4-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
Data File : VY001915.D
Acq On : 09 Mar 2020 17:54
Operator : SY/MD
Sample : L1852-22
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : TP-4-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260

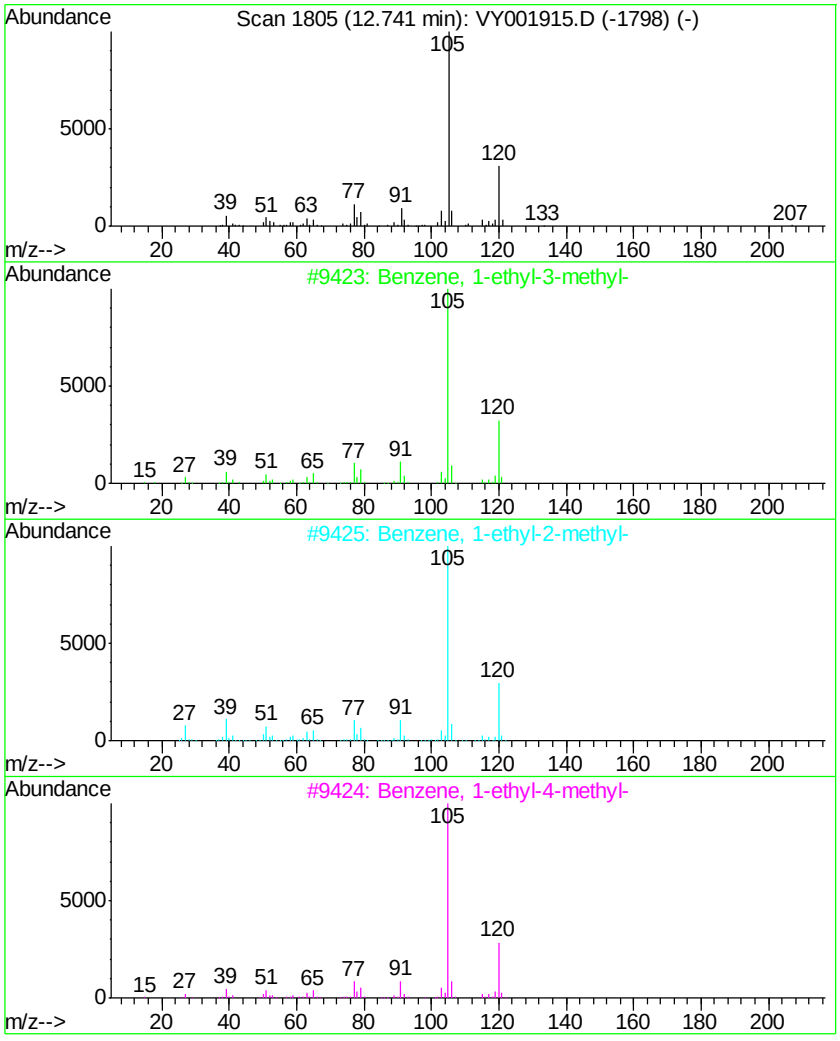
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

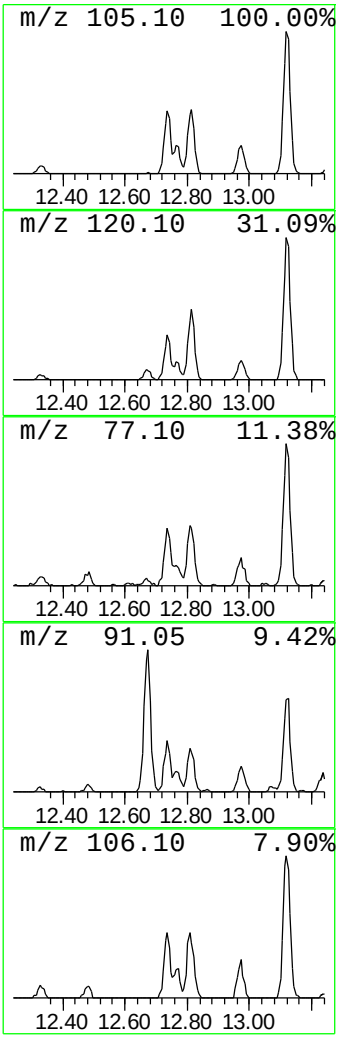
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	6.40 ug/l	84912	1,4-Dichlorobenzene-d4	13.43

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	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
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Sample : L1852-22
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : TP-4-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260

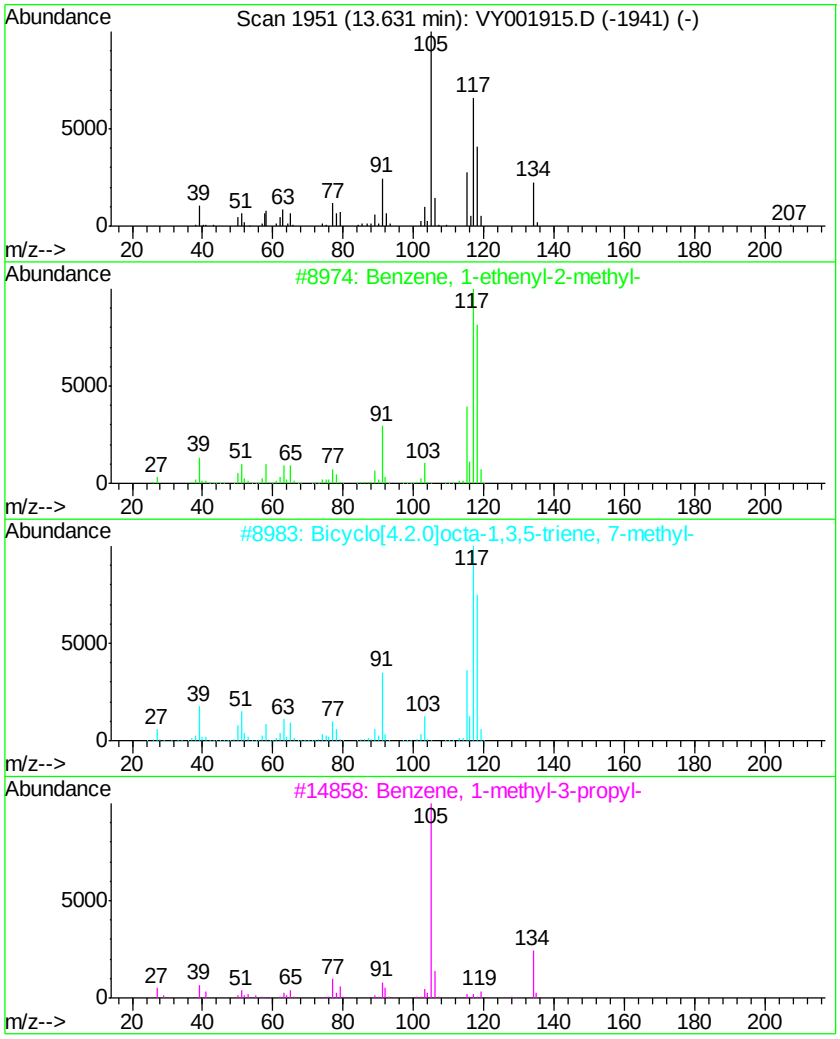
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

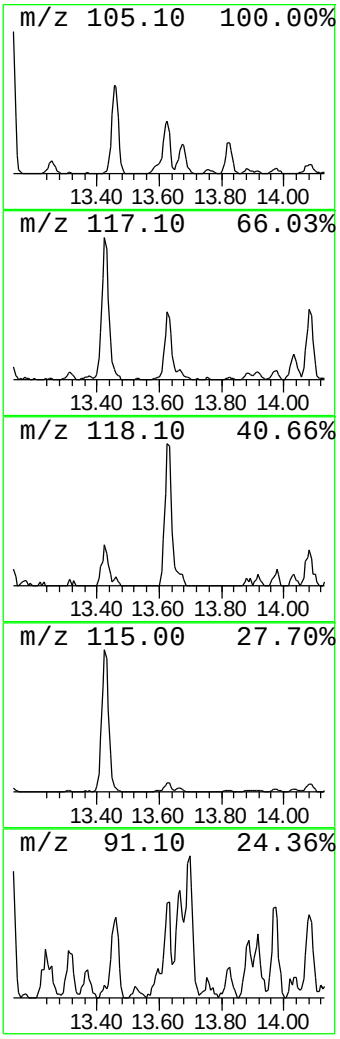
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	5.42 ug/l	71919	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	43
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	42
4	2-Indanol	134	C9H10O	004254-29-9	41
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	41





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030920\
Data File : VY001915.D
Acq On : 09 Mar 2020 17:54
Operator : SY/MD
Sample : L1852-22
Misc : 6.59G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : TP-4-S2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260

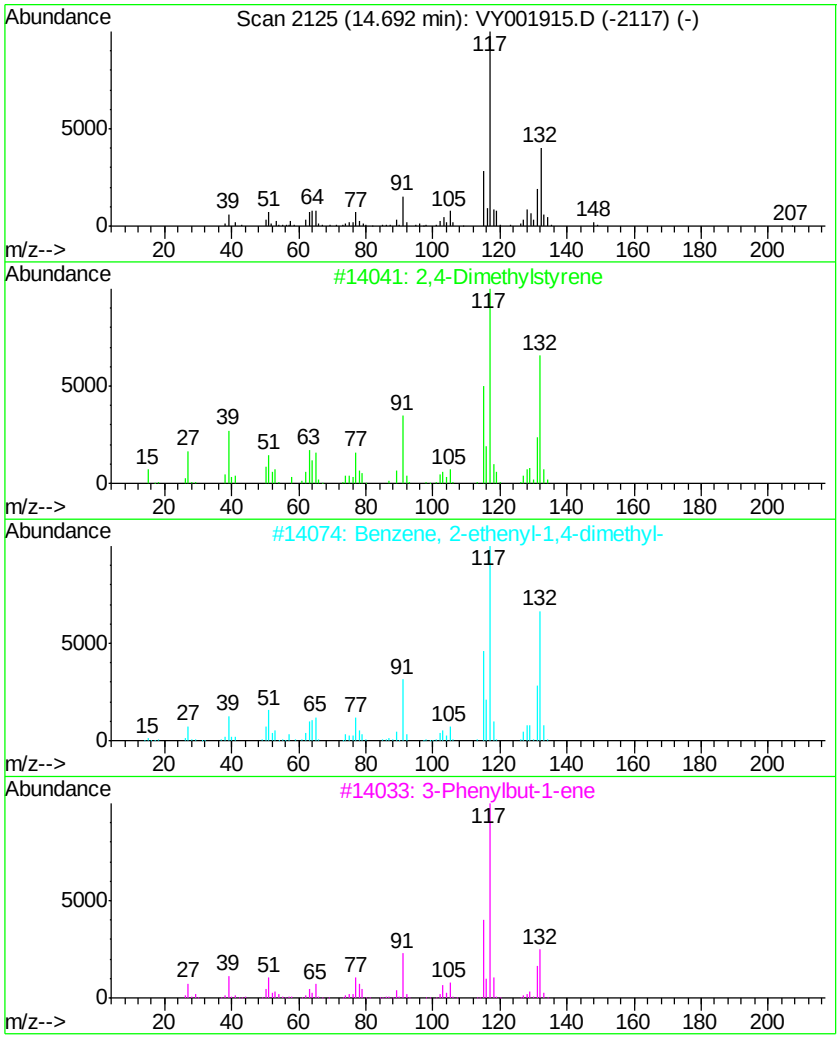
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

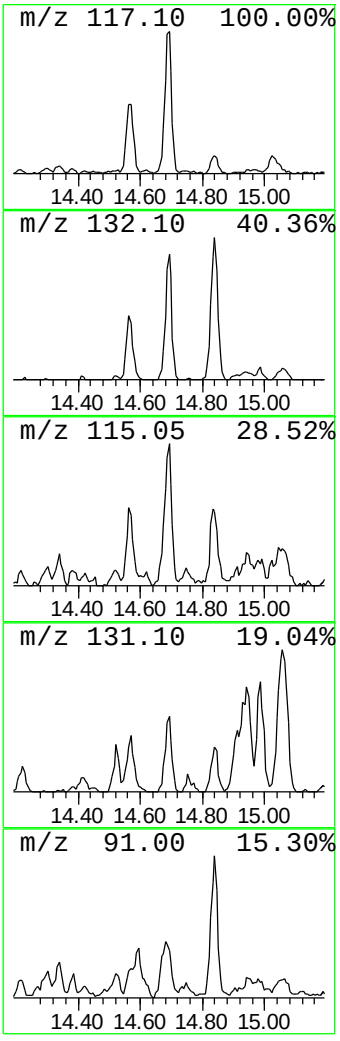
****

Peak Number 3 2,4-Dimethylstyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	9.18 ug/l	121790	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	92
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260

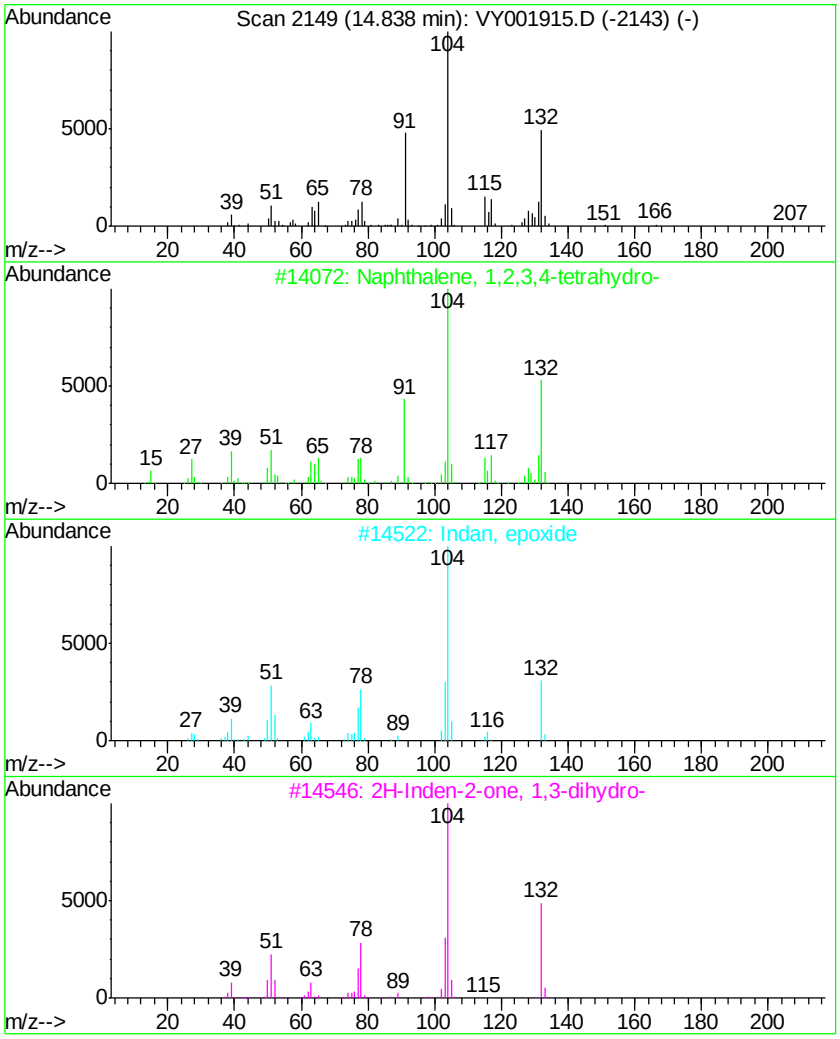
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

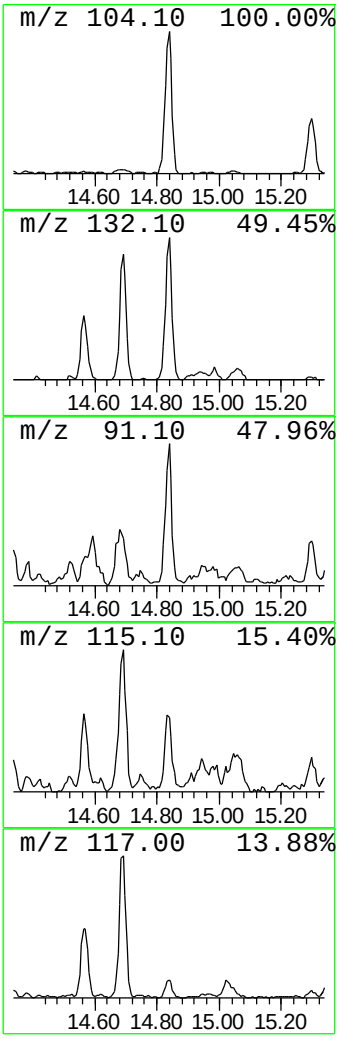
****

Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	6.18 ug/l	81990	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	Indan, epoxide	132	C9H8O	000768-22-9	58
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53
4	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
5	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	43





Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260

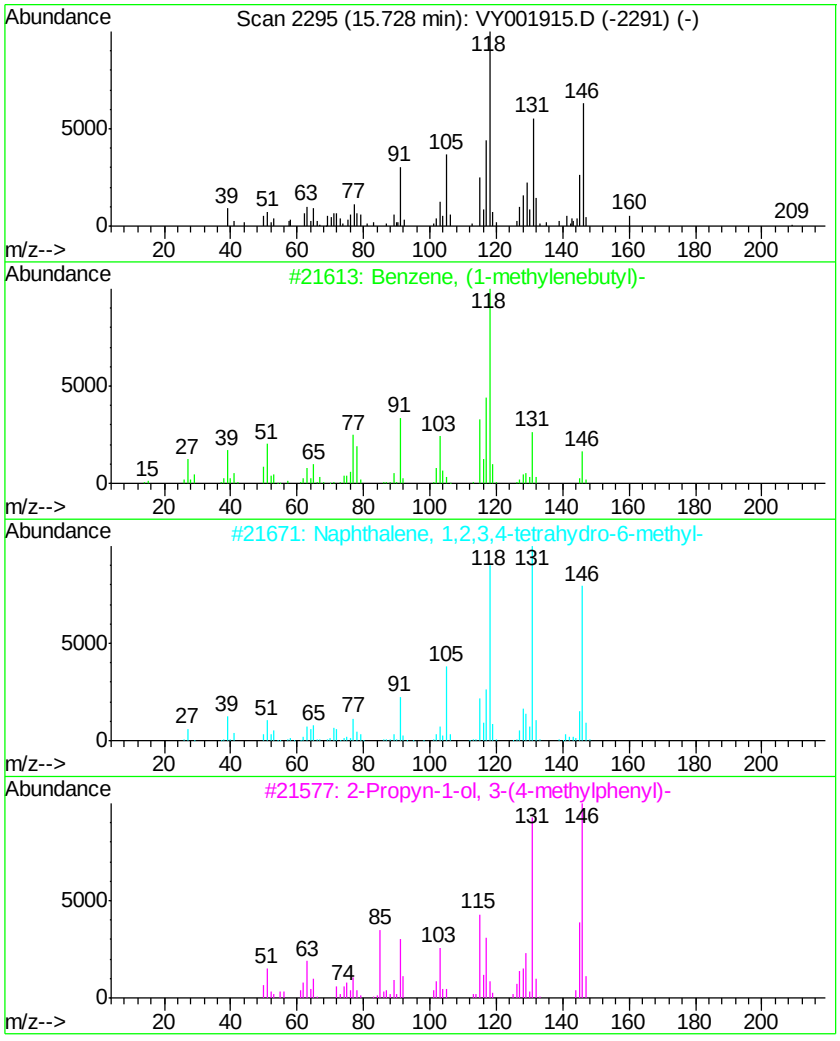
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

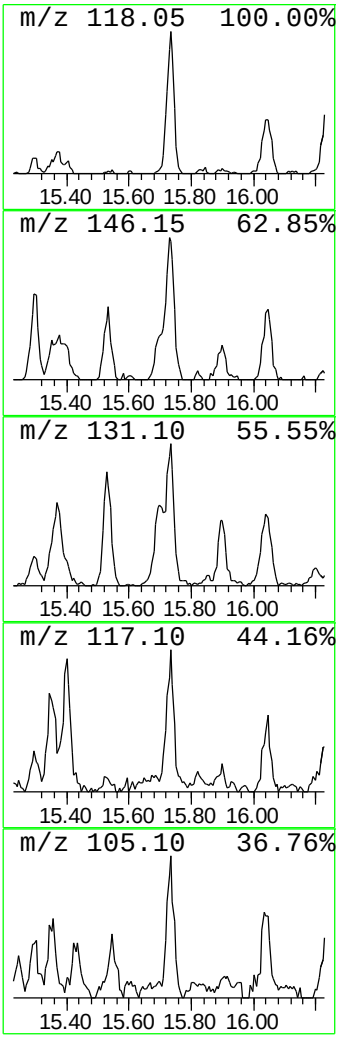
****

Peak Number 5 Benzene, (1-methylenebutyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	5.10 ug/l	67671	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	72
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	62
3	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	49
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	46
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.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	6.4	ug/l	84912	4	13.43	663232	50.0
Benzene, 1-etheny...	13.63	5.4	ug/l	71919	4	13.43	663232	50.0
2,4-Dimethylstyrene	14.69	9.2	ug/l	121790	4	13.43	663232	50.0
Naphthalene, 1,2,...	14.84	6.2	ug/l	81990	4	13.43	663232	50.0
Benzene, (1-methy...	15.73	5.1	ug/l	67671	4	13.43	663232	50.0