LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063182.D
Acq On : 22 Jul 2019 17:37
Operator : VA/AP
Sample : K3840-02
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-A

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_D\METHOD\82D071519S.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	1.827	37	41	44	rVB2	12276	26776	1.36%	0.214%
2	3.215	178	182	190	rVB2	47550	137984	7.01%	1.101%
3	3.816	239	243	249	rBV3	28137	78474	3.99%	0.626%
4	4.692	326	332	336	rBV4	9093	22007	1.12%	0.176%
5	6.178	476	483	490	rBV2	23872	80320	4.08%	0.641%
6	7.055	562	572	585	rBV	579189	1663036	84.46%	13.272%
7	7.468	607	614	626	rBV	387943	1061521	53.91%	8.471%
8	8.226	685	691	701	rBV	789499	1968938	100.00%	15.713%
9	10.126	879	884	890	rVB4	11215	24458	1.24%	0.195%
10	10.421	907	914	921	rBV	864049	1928503	97.95%	15.390%
11	10.520	921	924	929	rVB	43128	88807	4.51%	0.709%
12	10.618	929	934	941	rBV4	7790	26255	1.33%	0.210%
13	10.943	963	967	972	rVB3	15164	38771	1.97%	0.309%
14	11.101	978	983	987	rBV3	12280	32845	1.67%	0.262%
15	11.681	1039	1042	1046	rVV5	18546	47238	2.40%	0.377%
16	11.760	1046	1050	1054	rVV	22990	47116	2.39%	0.376%
17	11.839	1054	1058	1062	rVV3	26054	53838	2.73%	0.430%
18	12.134	1084	1088	1090	rVV2	27090	53206	2.70%	0.425%
19	12.174	1090	1092	1096	rVB3	15734	26084	1.32%	0.208%
20	12.311	1102	1106	1108	rBV2	14346	27512	1.40%	0.220%
21	12.370	1108	1112	1117	rVV	821991	1363867	69.27%	10.884%
22	12.557	1125	1131	1134	rVV3	17409	40915	2.08%	0.327%
23	12.626	1134	1138	1140	rVV2	16140	37460	1.90%	0.299%
24	12.666	1140	1142	1144	rVV3	17706	31506	1.60%	0.251%
25	12.705	1144	1146	1149	rVV2	31333	49463	2.51%	0.395%
26	12.754	1149	1151	1158	rVV4	15234	29946	1.52%	0.239%
27	13.010	1173	1177	1180	rBV2	24364	55432	2.82%	0.442%
28	13.227	1193	1199	1202	rBV3	22807	43823	2.23%	0.350%
29	13.316	1205	1208	1213	rVV4	20659	50687	2.57%	0.405%
30	13.394	1213	1216	1220	rVB3	28729	50517	2.57%	0.403%
31	13.483	1220	1225	1228	rBV2	13061	36853	1.87%	0.294%
32	13.562	1228	1233	1237	rBV	702541	943705	47.93%	7.531%
33	13.719	1246	1249	1253	rVB3	26426	41979	2.13%	0.335%
34	13.886	1264	1266	1268	rVV3	12095	22088	1.12%	0.176%

LSC Area Percent Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-A

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Title : SW846 8260

35	13.936	1268	1271	1274	rVV	88838	133869	6.80%	1.068%
36	14.123	1285	1290	1293	rBV3	11955	27751	1.41%	0.221%
37	14.448	1320	1323	1328	rVV4	32531	57673	2.93%	0.460%
38	14.517	1328	1330	1333	rVV	489327	712926	36.21%	5.690%
39	14.566	1333	1335	1339	rVB	74967	106615	5.41%	0.851%
40	14.654	1339	1344	1346	rVB2	13692	33463	1.70%	0.267%
41	14.713	1346	1350	1351	rBV	23241	33120	1.68%	0.264%
42	14.782	1354	1357	1359	rBV	74688	89231	4.53%	0.712%
43	14.812	1359	1360	1363	rVV2	22373	26910	1.37%	0.215%
44	14.891	1365	1368	1371	rVV4	18555	30958	1.57%	0.247%
45	15.009	1376	1380	1383	rBV3	13784	35349	1.80%	0.282%
46	15.058	1383	1385	1388	rVV	47390	58363	2.96%	0.466%
47	15.127	1389	1392	1393	rBV2	12411	20120	1.02%	0.161%
48	15.147	1393	1394	1399	rVB3	24843	41743	2.12%	0.333%
49	15.225	1399	1402	1405	rBV4	13135	25463	1.29%	0.203%
50	15.275	1405	1407	1410	rBV3	22902	52387	2.66%	0.418%
51	15.353	1413	1415	1416	rVV	22184	33970	1.73%	0.271%
52	15.383	1416	1418	1421	rVB	64396	75750	3.85%	0.605%
53	15.432	1421	1423	1425	rBV	35405	48736	2.48%	0.389%
54	15.471	1425	1427	1430	rVB2	11408	21753	1.10%	0.174%
55	15.550	1433	1435	1438	rVV3	23996	31331	1.59%	0.250%
56	15.678	1445	1448	1451	rVV	98285	142969	7.26%	1.141%
57	15.757	1453	1456	1457	rBV2	14455	24288	1.23%	0.194%
58	15.806	1457	1461	1464	rVB4	16774	31594	1.60%	0.252%
59	15.934	1464	1474	1477	rBV6	37703	121270	6.16%	0.968%
60	16.003	1477	1481	1483	rVB	31793	49143	2.50%	0.392%
61	16.229	1502	1504	1506	rVV3	23201	36198	1.84%	0.289%
62	16.367	1516	1518	1521	rBV2	19138	23842	1.21%	0.190%
63	16.485	1526	1530	1531	rBV3	25219	40822	2.07%	0.326%
64	16.515	1531	1533	1538	rVB4	15915	23987	1.22%	0.191%
65	16.633	1543	1545	1547	rBV3	15521	20364	1.03%	0.163%
66	16.732	1552	1555	1559	rVB2	30157	49291	2.50%	0.393%
67	16.879	1566	1570	1573	rBV	14763	37375	1.90%	0.298%

Sum of corrected areas: 12530554

LSC Report - Integrated Chromatogram

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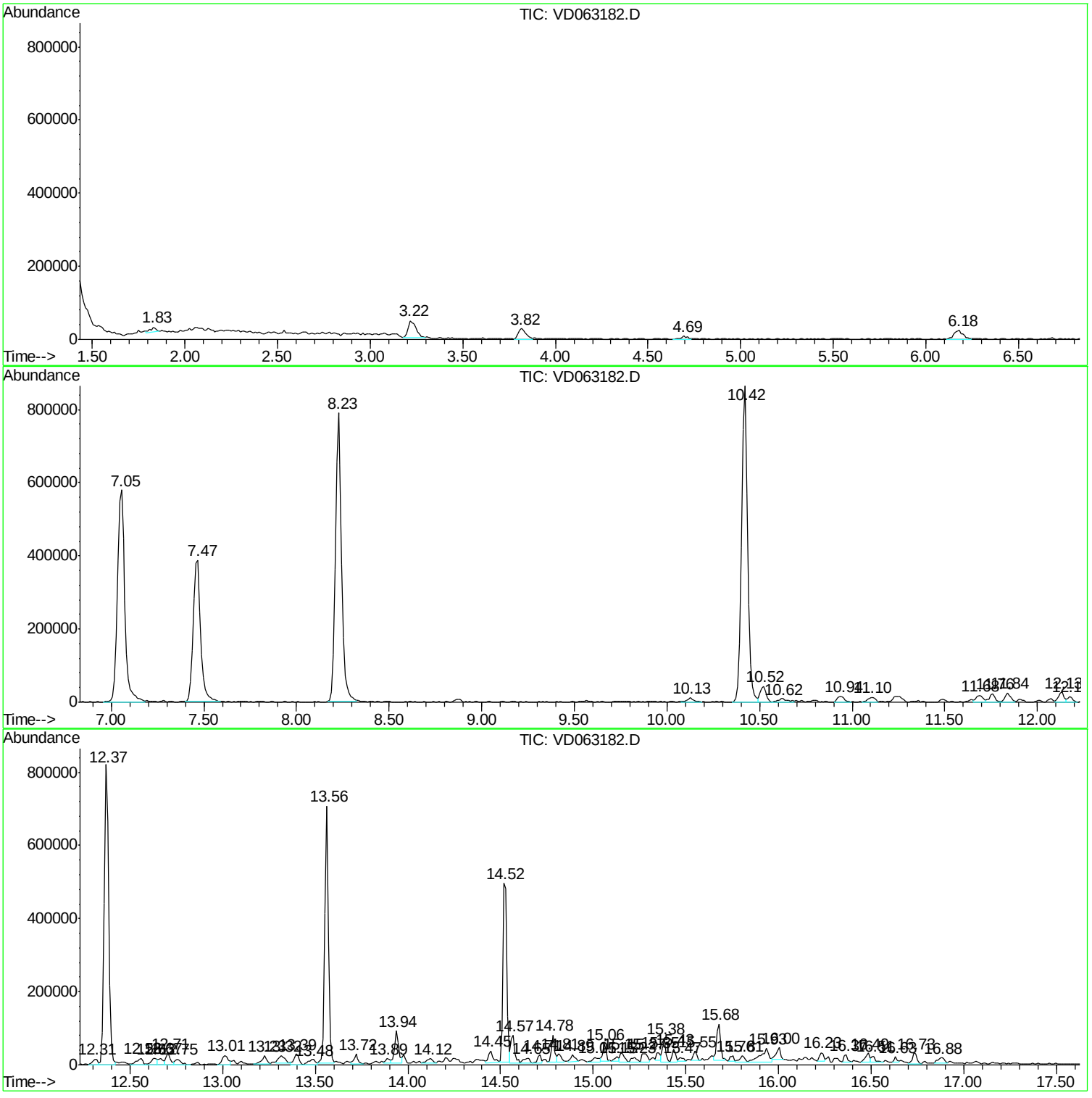
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

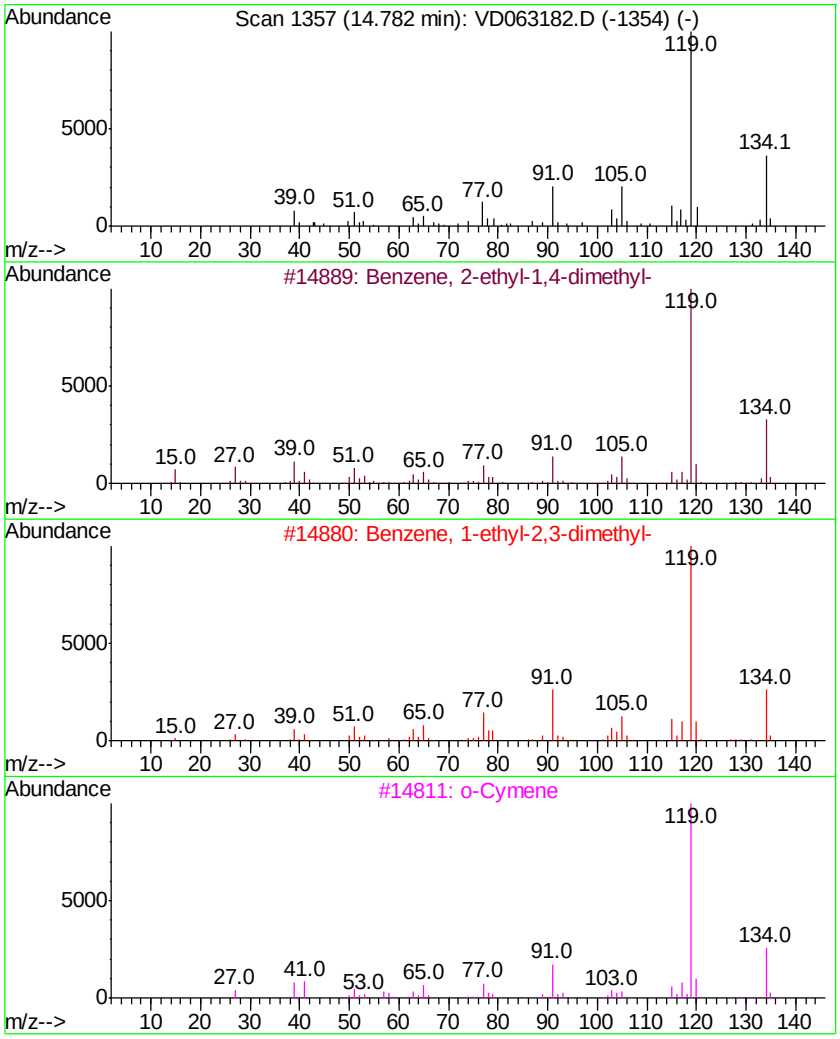
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

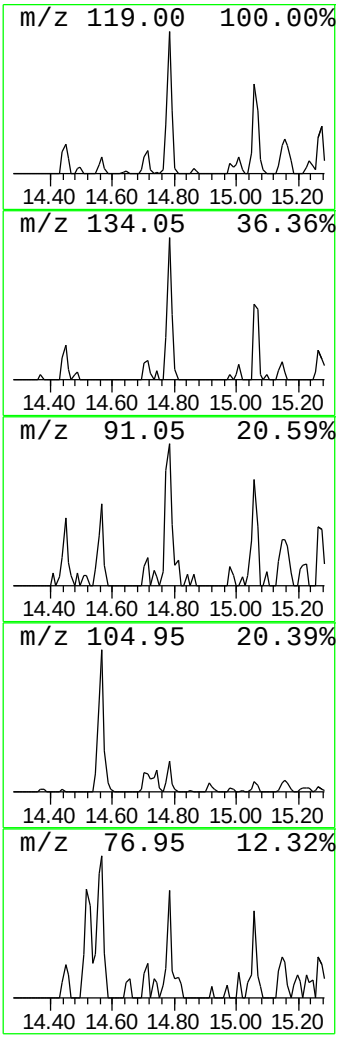
****

Peak Number 1 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	6.26 ug/l	89231	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

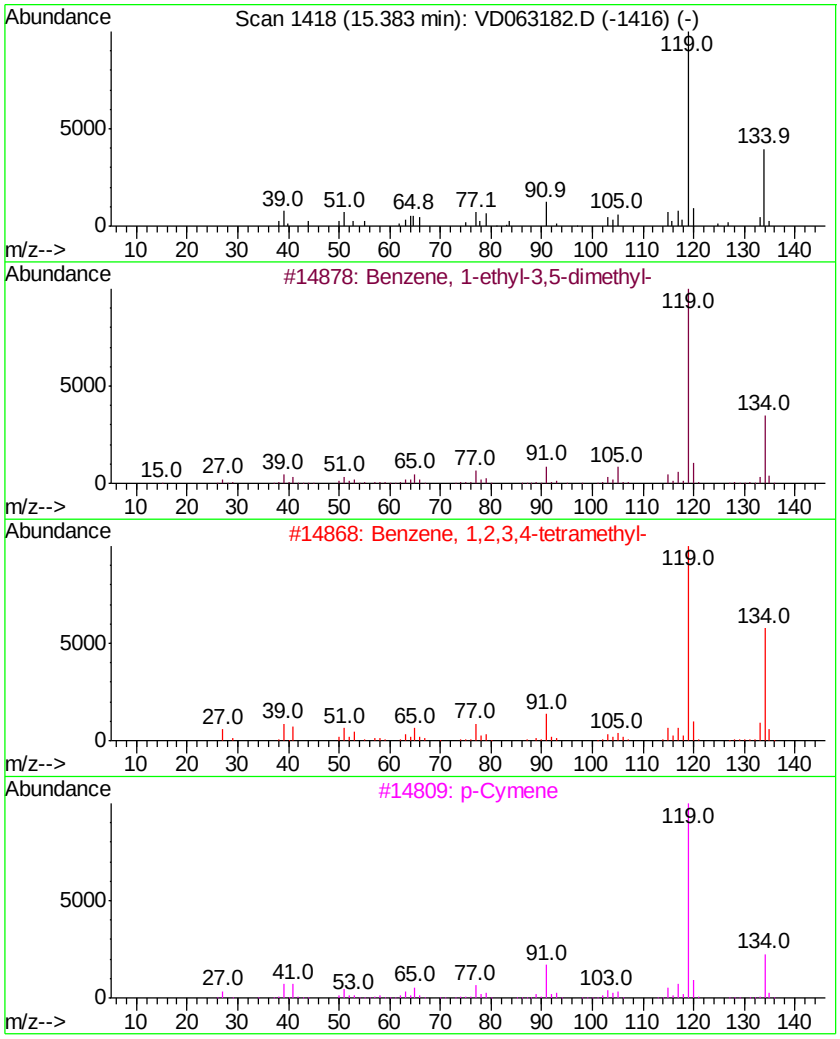
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

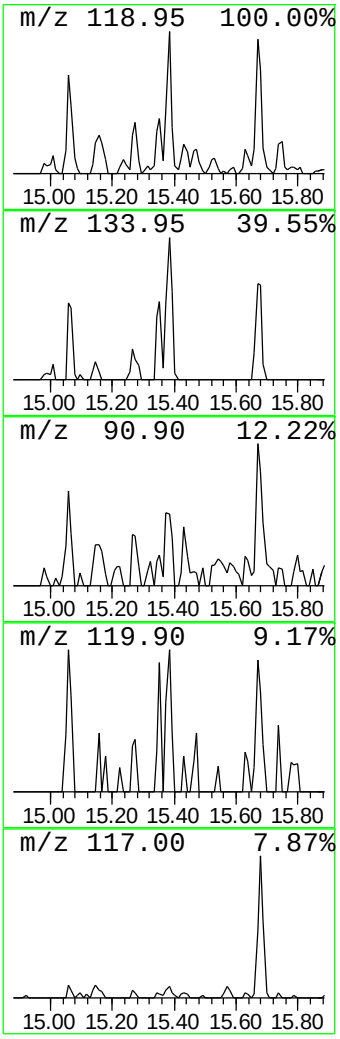
****

Peak Number 2 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	5.31 ug/l	75750	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	p-Cymene	134	C10H14	000099-87-6	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

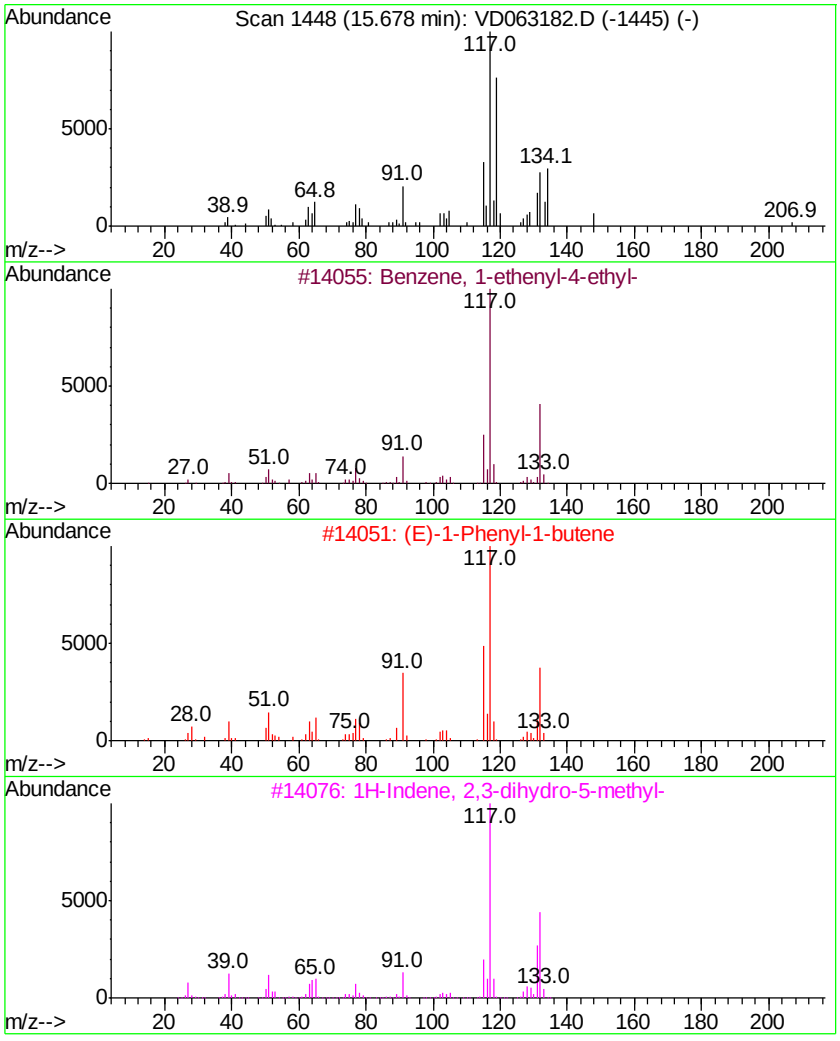
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

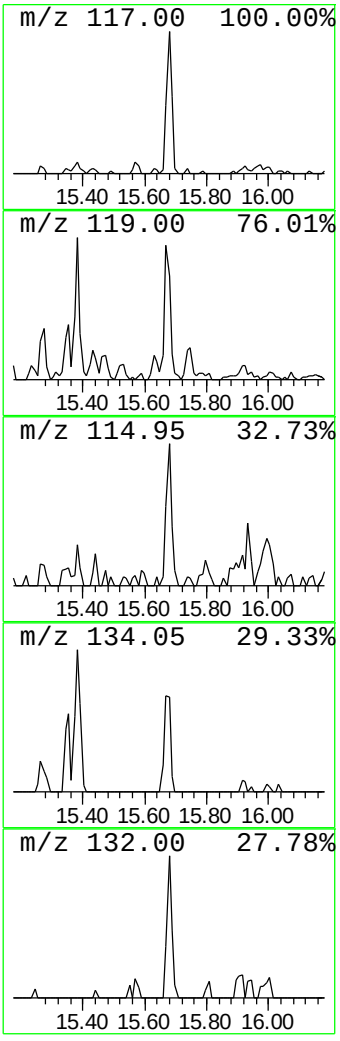
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	10.03 ug/l	142969	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	55
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	55
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	55
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55





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Quant Title : SW846 8260

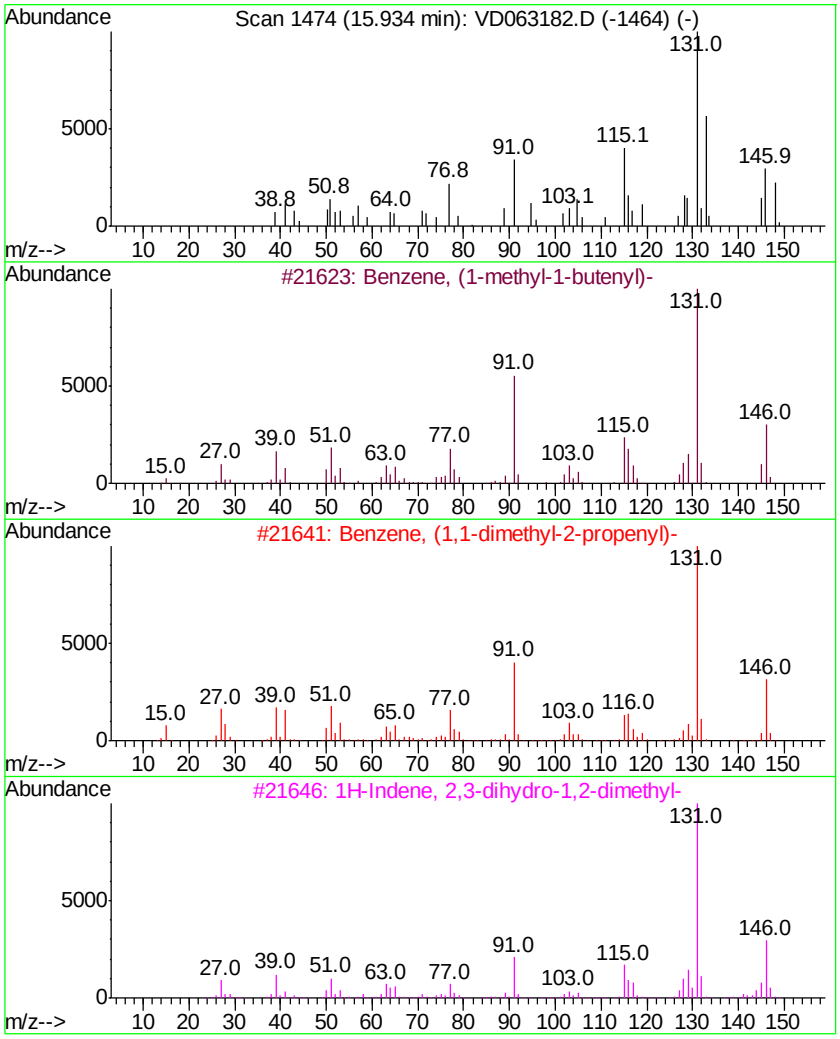
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

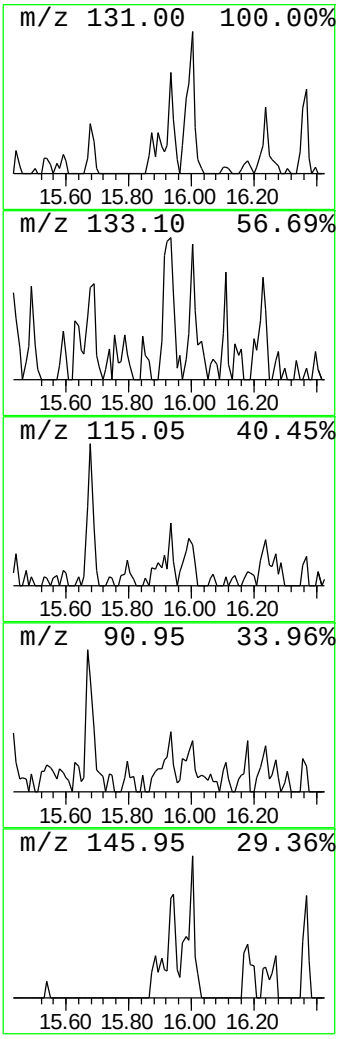
****

Peak Number 4 Benzene, (1-methyl-1-butenyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	8.51 ug/l	121270	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
2	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	55
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49





Tentatively Identified Compound (LSC) summary

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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, 2-ethyl-...	14.78	6.3	ug/l	89231	4	14.53	712926	50.0
Benzene, 1-ethyl-...	15.38	5.3	ug/l	75750	4	14.53	712926	50.0
Benzene, 1-etheny...	15.68	10.0	ug/l	142969	4	14.53	712926	50.0
Benzene, (1-methy...	15.93	8.5	ug/l	121270	4	14.53	712926	50.0