LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
Data File : VF060107.D
Acq On : 24 Aug 2018 18:35
Operator : VA/AP
Sample : J4621-02
Misc : 6.43g/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1

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_F\METHODS\82F082118S.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	1.092	53	57	60	rVB2	8747	13580	1.41%	0.176%
2	1.378	76	86	88	rBV4	6257	16077	1.67%	0.208%
3	2.285	172	178	180	rBV2	8234	21243	2.20%	0.275%
4	2.324	180	182	188	rVB	6295	11560	1.20%	0.150%
5	4.276	372	380	393	rBV	100872	312323	32.37%	4.046%
6	5.025	447	456	464	rBV2	198514	715071	74.10%	9.264%
7	5.755	523	530	546	rBV	213885	569109	58.98%	7.373%
8	7.696	721	727	738	rBV	291658	672471	69.69%	8.712%
9	8.347	786	793	797	rBV3	5030	13059	1.35%	0.169%
10	9.905	946	951	961	rBV	386365	845006	87.57%	10.947%
11	10.358	992	997	1000	rBV2	5809	13034	1.35%	0.169%
12	10.634	1020	1025	1031	rVB4	8749	19563	2.03%	0.253%
13	10.772	1035	1039	1047	rBV4	14034	38887	4.03%	0.504%
14	11.363	1095	1099	1103	rVB6	11230	22880	2.37%	0.296%
15	11.501	1109	1113	1119	rBV	386411	637354	66.05%	8.257%
16	11.639	1124	1127	1129	rVV2	12451	21189	2.20%	0.275%
17	11.708	1129	1134	1142	rVB6	7703	33978	3.52%	0.440%
18	11.817	1142	1145	1147	rBV4	6908	11615	1.20%	0.150%
19	12.024	1163	1166	1169	rBV4	5094	13129	1.36%	0.170%
20	12.073	1169	1171	1176	rVB5	11228	19443	2.01%	0.252%
21	12.241	1183	1188	1189	rBV4	6918	15712	1.63%	0.204%
22	12.280	1189	1192	1196	rVB3	13221	22395	2.32%	0.290%
23	12.369	1198	1201	1204	rVV4	7864	14955	1.55%	0.194%
24	12.625	1223	1227	1231	rBV	659422	964969	100.00%	12.501%
25	12.674	1231	1232	1236	rVB2	28658	33584	3.48%	0.435%
26	12.803	1242	1245	1248	rBV4	15047	25662	2.66%	0.332%
27	12.872	1248	1252	1254	rVV3	8247	19031	1.97%	0.247%
28	12.911	1254	1256	1260	rVB4	9963	17598	1.82%	0.228%
29	13.000	1263	1265	1269	rBV4	8672	15421	1.60%	0.200%
30	13.059	1269	1271	1277	rVB5	6768	15883	1.65%	0.206%
31	13.177	1281	1283	1285	rBV2	7720	14194	1.47%	0.184%
32	13.217	1285	1287	1289	rVV	54068	72126	7.47%	0.934%
33	13.295	1293	1295	1299	rVB2	33664	56420	5.85%	0.731%
34	13.355	1299	1301	1304	rBV3	10779	28725	2.98%	0.372%

LSC Area Percent Report

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Operator : VA/AP
Sample : J4621-02
Misc : 6.43g/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1

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_F\METHODS\82F082118S.M
Title : SW846 8260

35	13.443	1308	1310	1313	rBV2	30309	37991	3.94%	0.492%
36	13.562	1319	1322	1324	rVB	37674	46742	4.84%	0.606%
37	13.631	1326	1329	1333	rVB2	23299	50931	5.28%	0.660%
38	13.700	1333	1336	1340	rBV	25723	35802	3.71%	0.464%
39	13.769	1340	1343	1345	rBV	50080	80559	8.35%	1.044%
40	13.808	1345	1347	1350	rVB3	12176	17096	1.77%	0.221%
41	13.867	1350	1353	1355	rBV	33770	39608	4.10%	0.513%
42	13.916	1355	1358	1361	rBV2	113223	193641	20.07%	2.509%
43	13.976	1361	1364	1366	rVB2	39622	57513	5.96%	0.745%
44	14.025	1366	1369	1372	rVB4	13973	30296	3.14%	0.392%
45	14.143	1378	1381	1383	rVB	58190	82003	8.50%	1.062%
46	14.212	1383	1388	1391	rBV4	76926	214497	22.23%	2.779%
47	14.271	1391	1394	1400	rVB2	106056	213123	22.09%	2.761%
48	14.360	1400	1403	1405	rBV3	30533	45599	4.73%	0.591%
49	14.488	1412	1416	1417	rBV2	35097	54177	5.61%	0.702%
50	14.518	1417	1419	1420	rVV2	35552	46793	4.85%	0.606%
51	14.557	1420	1423	1427	rVV3	51957	99450	10.31%	1.288%
52	14.646	1427	1432	1435	rVV2	64854	116914	12.12%	1.515%
53	14.695	1435	1437	1439	rVV2	17471	24903	2.58%	0.323%
54	14.794	1441	1447	1450	rVV	84171	176792	18.32%	2.290%
55	14.843	1450	1452	1454	rVV2	12446	25265	2.62%	0.327%
56	14.882	1454	1456	1457	rVV	29201	39822	4.13%	0.516%
57	14.922	1457	1460	1466	rVV3	56167	131767	13.66%	1.707%
58	14.991	1466	1467	1470	rVB3	10897	15313	1.59%	0.198%
59	15.050	1470	1473	1478	rBV3	45043	102888	10.66%	1.333%
60	15.119	1478	1480	1482	rVV2	9675	10390	1.08%	0.135%
61	15.168	1482	1485	1487	rVV2	31707	47787	4.95%	0.619%
62	15.227	1487	1491	1497	rVB6	40037	92043	9.54%	1.192%
63	15.336	1497	1502	1505	rBV5	30426	75335	7.81%	0.976%
64	15.395	1505	1508	1511	rBV4	9803	19957	2.07%	0.259%
65	15.622	1528	1531	1533	rBV2	26845	37309	3.87%	0.483%
66	15.701	1536	1539	1544	rVB2	21426	55632	5.77%	0.721%
67	15.770	1544	1546	1549	rBV4	6517	10537	1.09%	0.137%
68	15.878	1554	1557	1560	rBV4	20959	40373	4.18%	0.523%
69	16.006	1568	1570	1573	rVB3	8158	12805	1.33%	0.166%

Sum of corrected areas: 7718899

LSC Report - Integrated Chromatogram

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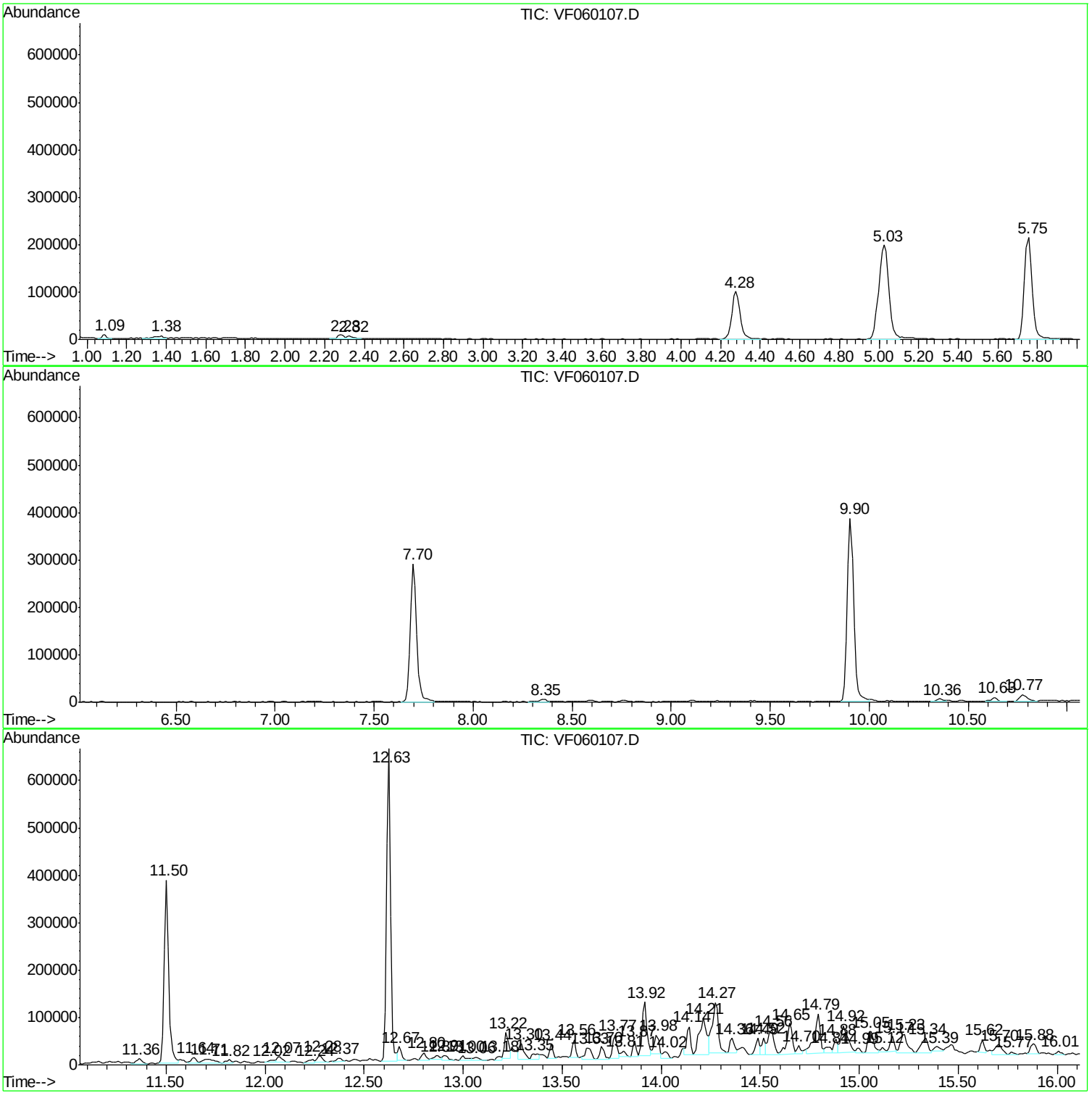
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.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 F\DATA\VF082418\
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Quant Title : SW846 8260

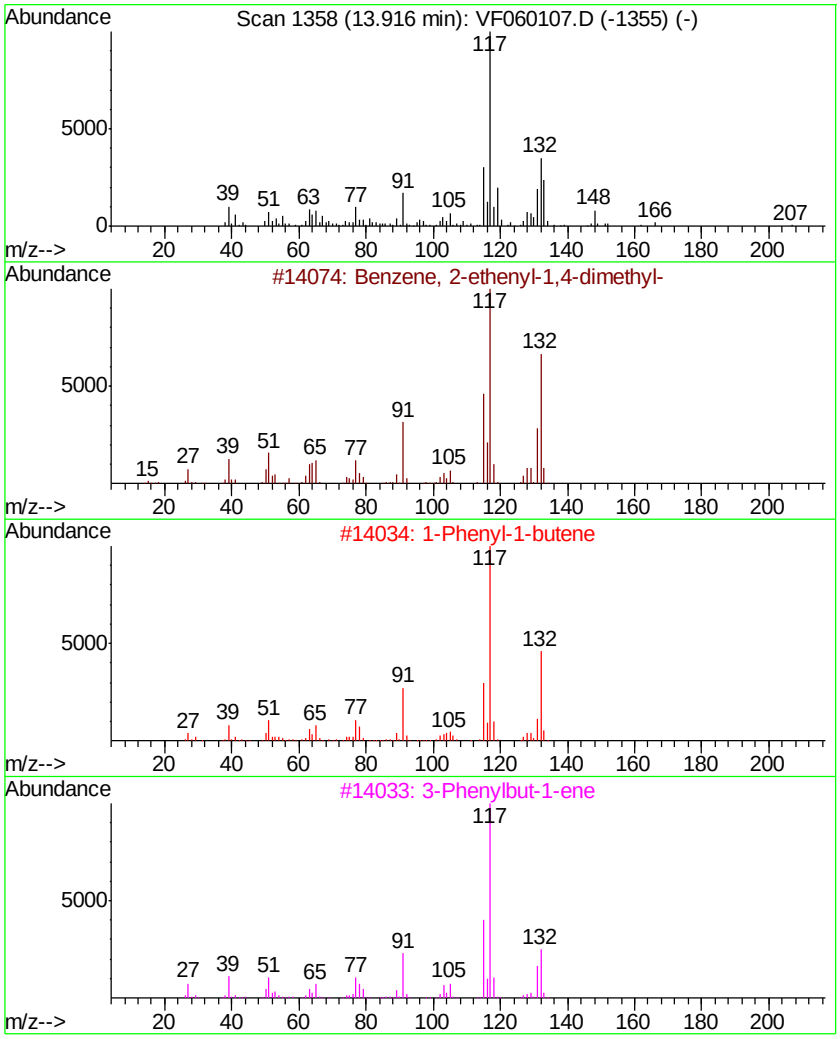
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

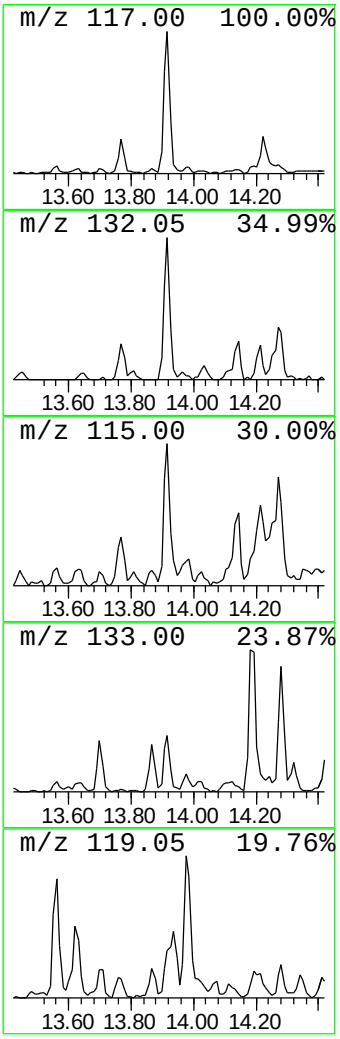
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	10.03 ug/l	193641	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	68





Library Search Compound Report

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Data File : VF060107.D
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Sample : J4621-02
Misc : 6.43g/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260

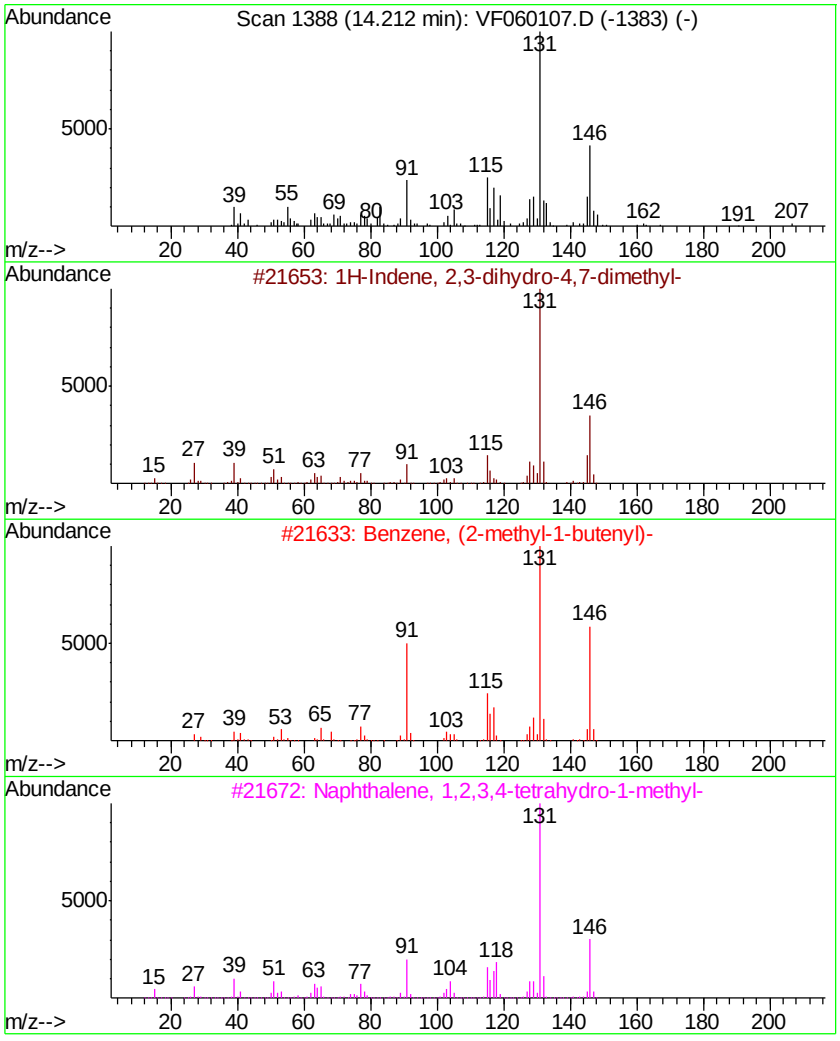
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

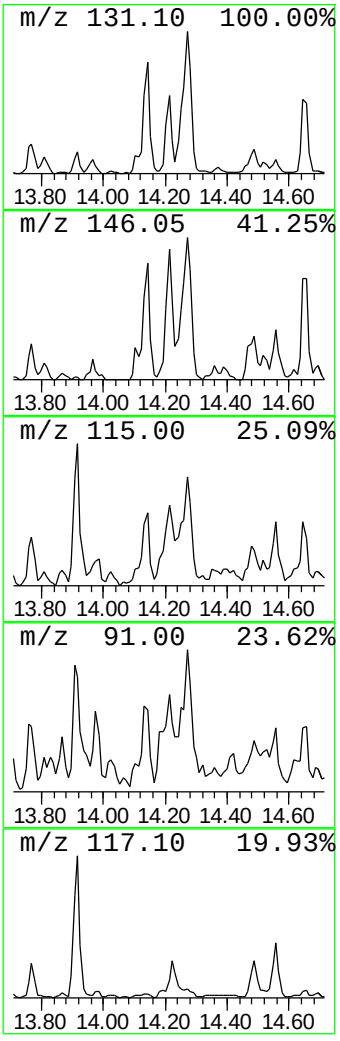
****

Peak Number 2 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	11.11 ug/l	214497	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	81





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Misc : 6.43g/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260

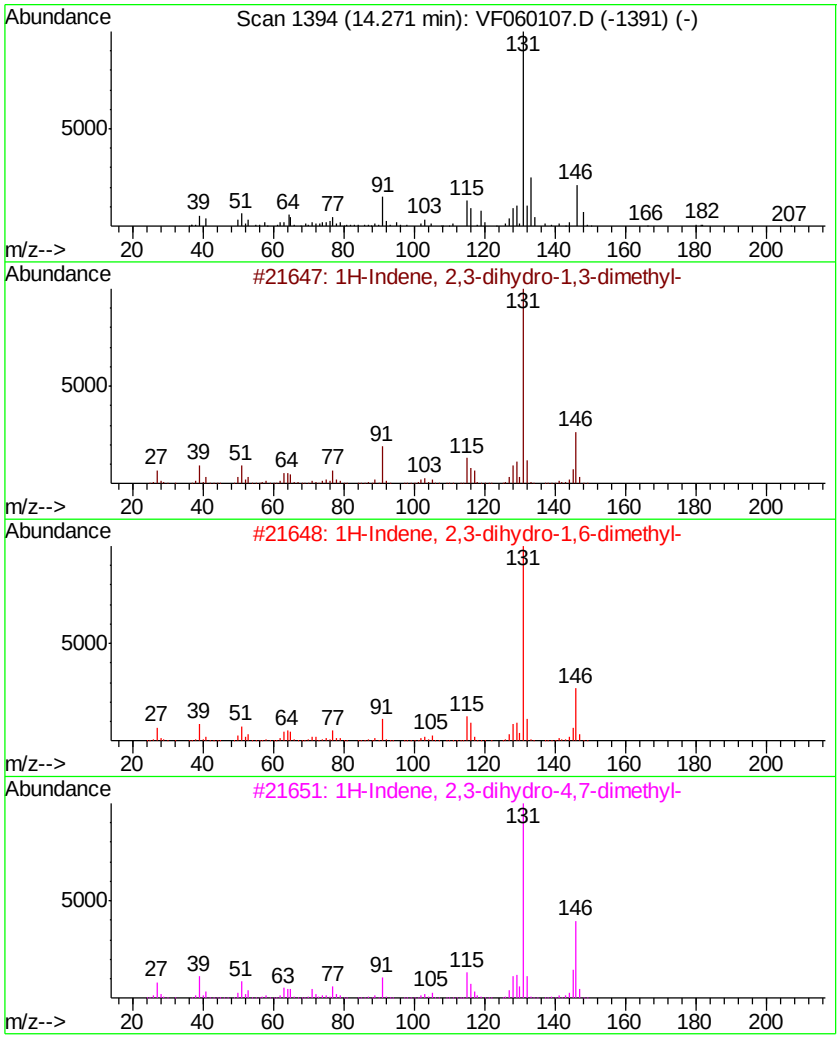
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

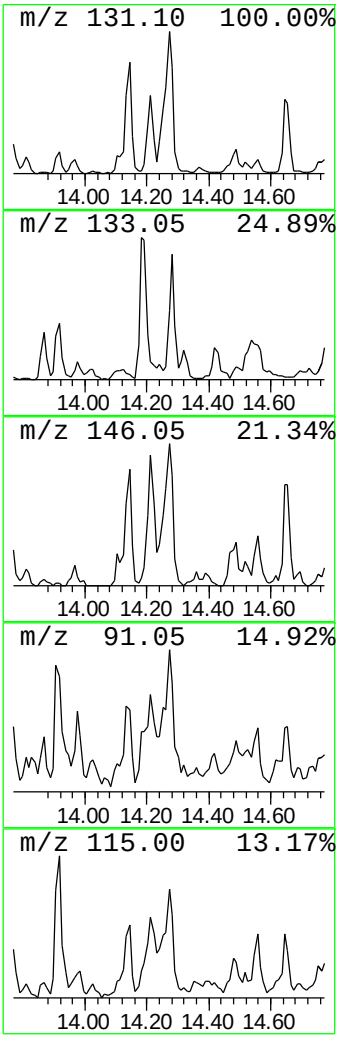
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	11.04 ug/l	213123	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81





Library Search Compound Report

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Instrument : MSVOA_F
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
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TIC Library : C:\DATABASE\NIST11.L
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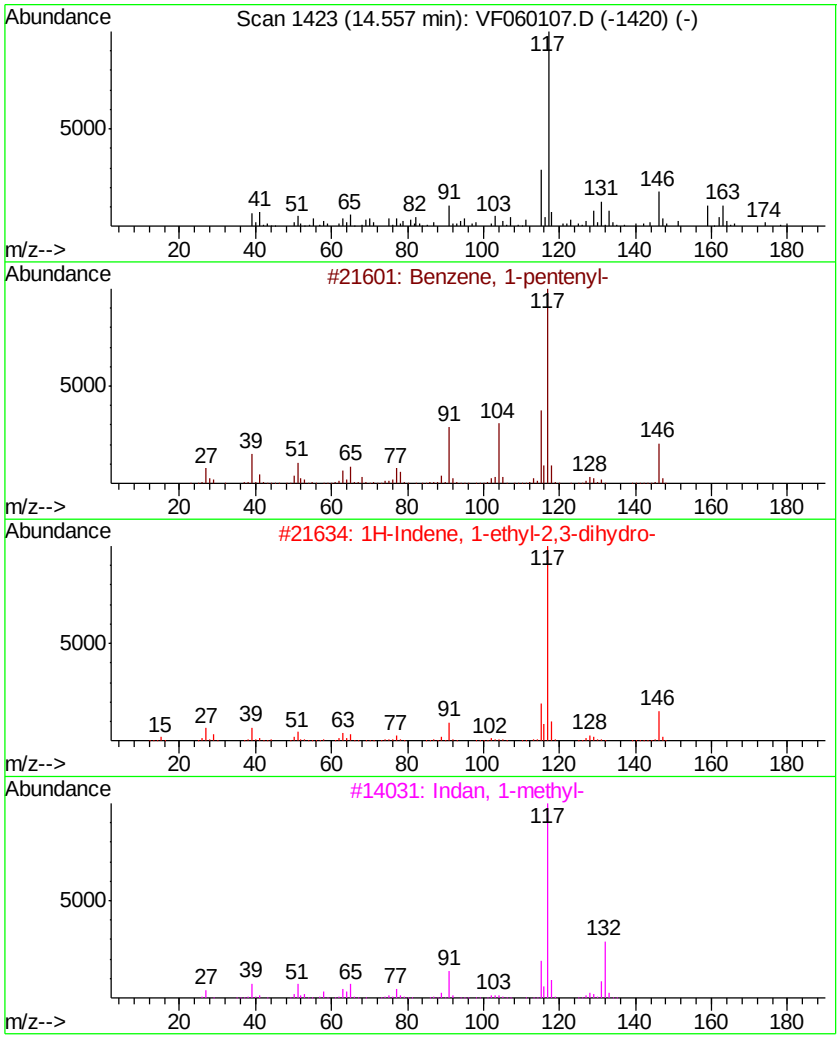
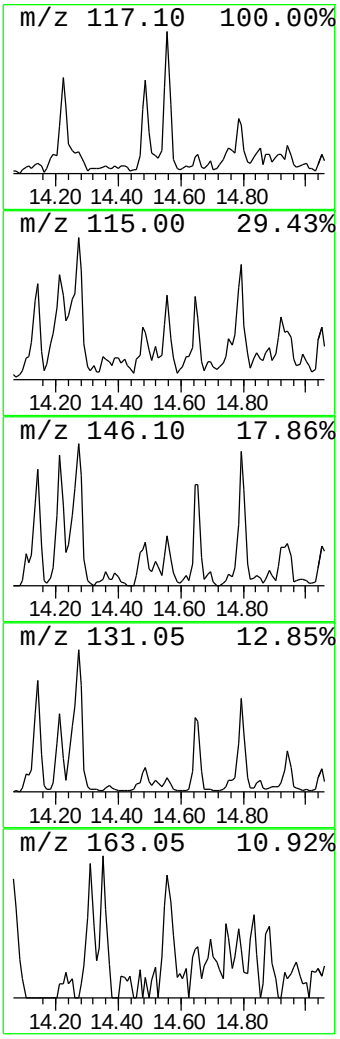
****

Peak Number 4 Benzene, 1-pentenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	5.15 ug/l	99450	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	59
2	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	53
3	Indan, 1-methyl-	132	C10H12	000767-58-8	50
4	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	50
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	47





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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260

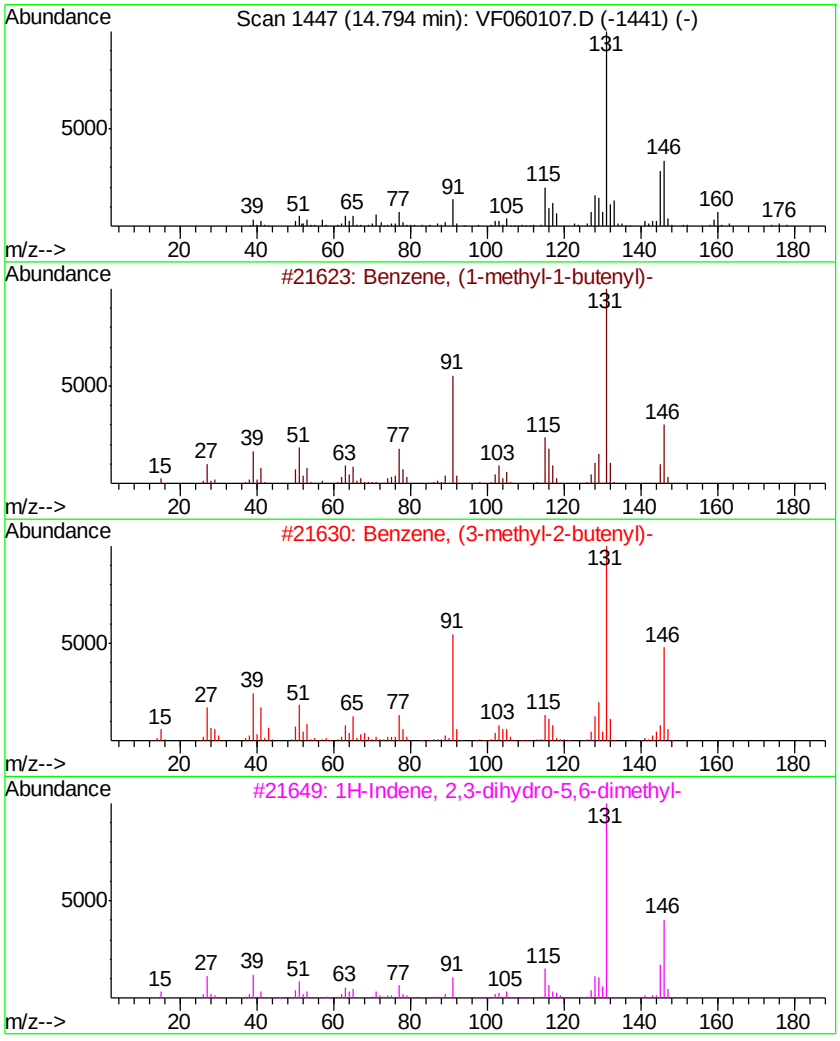
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

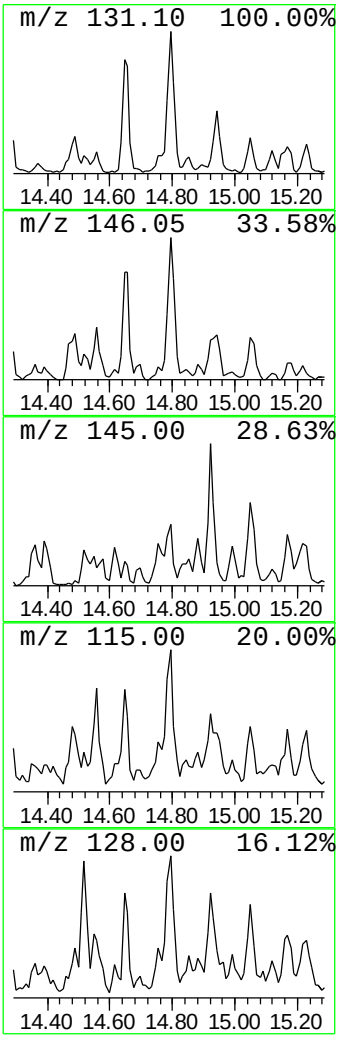
****

Peak Number 6 Benzene, (1-methyl-1-butenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	9.16 ug/l	176792	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	81
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	81





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ClientSampleId : SP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260

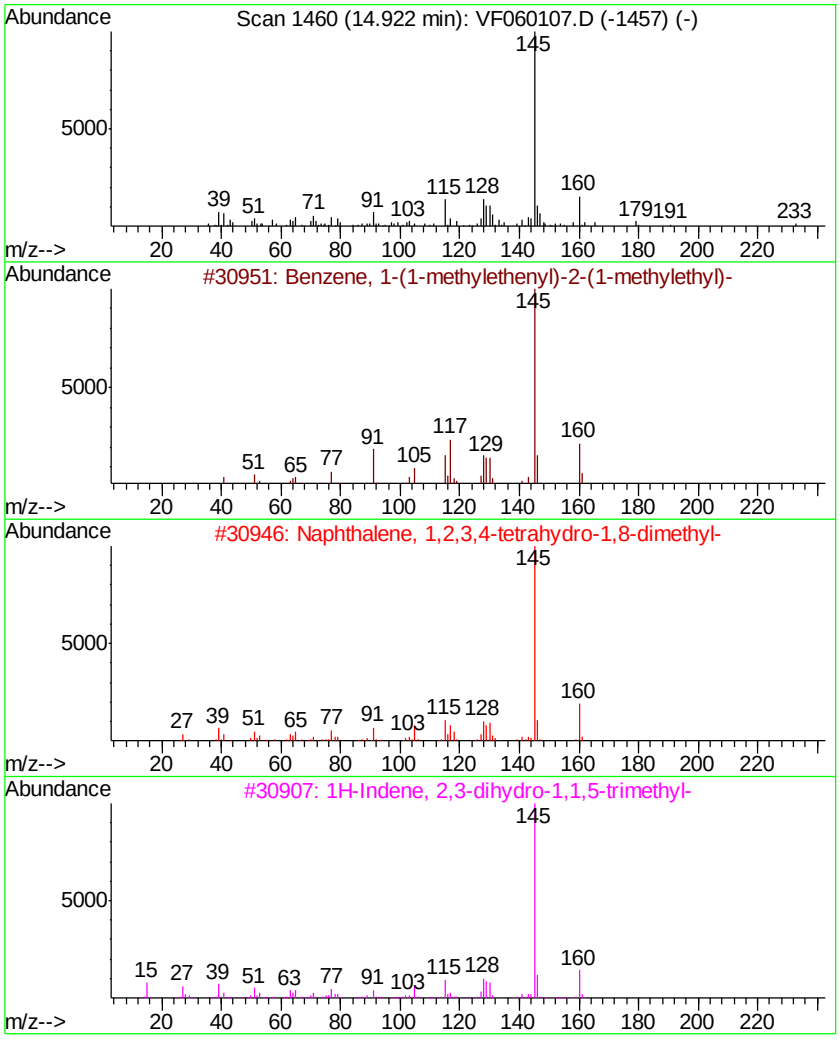
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

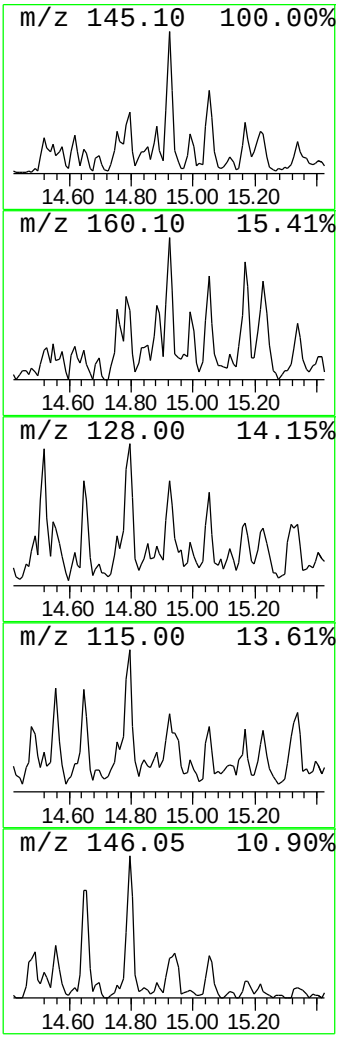
****

Peak Number 7 Benzene, 1-(1-methylethenyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	6.83 ug/l	131767	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
5	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082418\
Data File : VF060107.D
Acq On : 24 Aug 2018 18:35
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ALS Vial : 14 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.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, 2-etheny...	13.92	10.0	ug/l	193641	4	12.63	964969	50.0
1H-Indene, 2,3-di...	14.21	11.1	ug/l	214497	4	12.63	964969	50.0
1H-Indene, 2,3-di...	14.27	11.0	ug/l	213123	4	12.63	964969	50.0
Benzene, 1-pentenyl-	14.56	5.2	ug/l	99450	4	12.63	964969	50.0
Benzene, (1-methy...	14.79	9.2	ug/l	176792	4	12.63	964969	50.0
Benzene, 1-(1-met...	14.92	6.8	ug/l	131767	4	12.63	964969	50.0