LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060926.D
Acq On : 4 Mar 2019 16:27
Operator : VA/AP
Sample : K1670-04
Misc : 6.94g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

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\82D030119S.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	3.242	180	185	194	rBV	25073	71614	3.07%	0.381%
2	3.842	239	246	257	rBV	147436	460500	19.72%	2.452%
3	4.719	329	335	343	rVB2	16625	52240	2.24%	0.278%
4	6.166	475	482	498	rVB	83066	304992	13.06%	1.624%
5	6.943	553	561	568	rBV	359015	1060057	45.40%	5.645%
6	7.062	568	573	589	rVB	539093	1594462	68.29%	8.490%
7	7.475	608	615	628	rBV2	235408	716929	30.70%	3.817%
8	8.243	686	693	710	rBV	765914	2044793	87.57%	10.888%
9	10.428	909	915	924	rBV	1031807	2334943	100.00%	12.433%
10	11.255	993	999	1003	rBV	9428	27048	1.16%	0.144%
11	11.767	1047	1051	1056	rVB	13104	24846	1.06%	0.132%
12	12.377	1109	1113	1121	rVV	1189172	1942817	83.21%	10.345%
13	12.643	1135	1140	1144	rVV6	7489	27310	1.17%	0.145%
14	12.712	1144	1147	1149	rVV2	17188	28854	1.24%	0.154%
15	12.752	1149	1151	1158	rVB2	24222	42152	1.81%	0.224%
16	13.017	1174	1178	1180	rBV	20488	36941	1.58%	0.197%
17	13.057	1180	1182	1185	rVB	50094	66831	2.86%	0.356%
18	13.234	1194	1200	1203	rBV2	19807	40031	1.71%	0.213%
19	13.323	1203	1209	1214	rVV3	30243	64922	2.78%	0.346%
20	13.401	1214	1217	1221	rVB	24647	37485	1.61%	0.200%
21	13.569	1230	1234	1238	rVV	1033513	1453962	62.27%	7.742%
22	13.716	1247	1249	1253	rVB	43058	67596	2.89%	0.360%
23	13.894	1264	1267	1269	rVV	42801	71842	3.08%	0.383%
24	13.943	1269	1272	1274	rVV	90324	148883	6.38%	0.793%
25	13.972	1274	1275	1279	rVV2	52674	67707	2.90%	0.361%
26	14.090	1283	1287	1289	rVV	97526	137485	5.89%	0.732%
27	14.130	1289	1291	1294	rVV2	25805	42450	1.82%	0.226%
28	14.258	1301	1304	1310	rVV5	12734	42683	1.83%	0.227%
29	14.376	1313	1316	1321	rVV4	11151	41792	1.79%	0.223%
30	14.445	1321	1323	1326	rVV	74236	109396	4.69%	0.583%
31	14.524	1328	1331	1334	rVV	1185585	1646776	70.53%	8.769%
32	14.563	1334	1335	1340	rVV	149030	197140	8.44%	1.050%
33	14.642	1340	1343	1347	rVV4	21015	48377	2.07%	0.258%
34	14.711	1347	1350	1352	rVV	72536	123563	5.29%	0.658%

LSC Area Percent Report

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Sample : K1670-04
Misc : 6.94g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

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\82D030119S.M
Title : SW846 8260

35	14.740	1352	1353	1355	rVV	78456	82395	3.53%	0.439%
36	14.789	1355	1358	1360	rVV	157992	232615	9.96%	1.239%
37	14.819	1360	1361	1363	rVV	51662	54526	2.34%	0.290%
38	14.858	1363	1365	1367	rVV	27385	42850	1.84%	0.228%
39	14.898	1367	1369	1370	rVV	44097	62783	2.69%	0.334%
40	14.917	1370	1371	1374	rVV	78189	109036	4.67%	0.581%
41	14.986	1376	1378	1379	rVV	31754	36923	1.58%	0.197%
42	15.016	1379	1381	1383	rVV	39246	55594	2.38%	0.296%
43	15.065	1383	1386	1388	rVV	122347	149989	6.42%	0.799%
44	15.104	1388	1390	1391	rVV	28584	38810	1.66%	0.207%
45	15.154	1391	1395	1399	rVV4	108581	245267	10.50%	1.306%
46	15.232	1399	1403	1405	rVV4	39457	76662	3.28%	0.408%
47	15.272	1405	1407	1411	rVV2	63161	122117	5.23%	0.650%
48	15.350	1413	1415	1417	rVV	75749	96971	4.15%	0.516%
49	15.390	1417	1419	1421	rVV	112232	133550	5.72%	0.711%
50	15.439	1421	1424	1426	rVV2	87628	125524	5.38%	0.668%
51	15.478	1426	1428	1431	rVV2	42407	72774	3.12%	0.388%
52	15.577	1431	1438	1441	rVV4	69295	214047	9.17%	1.140%
53	15.636	1443	1444	1446	rVV	60374	76005	3.26%	0.405%
54	15.685	1446	1449	1453	rVV2	270473	432945	18.54%	2.305%
55	15.744	1453	1455	1458	rVV2	43969	73484	3.15%	0.391%
56	15.803	1458	1461	1465	rVV2	138159	209558	8.97%	1.116%
57	15.912	1465	1472	1474	rVV2	59518	197258	8.45%	1.050%
58	15.941	1474	1475	1477	rVV	73023	66244	2.84%	0.353%
59	16.000	1477	1481	1484	rVV2	78000	172936	7.41%	0.921%
60	16.079	1486	1489	1491	rVV4	16902	31658	1.36%	0.169%
61	16.158	1494	1497	1498	rVV3	15235	29984	1.28%	0.160%
62	16.187	1498	1500	1502	rVV	69966	84756	3.63%	0.451%
63	16.236	1502	1505	1507	rVV2	75710	113920	4.88%	0.607%
64	16.266	1507	1508	1510	rVV2	23798	28781	1.23%	0.153%
65	16.364	1516	1518	1524	rVV2	24244	31821	1.36%	0.169%
66	16.492	1527	1531	1532	rBV3	18194	33545	1.44%	0.179%
67	16.512	1532	1533	1536	rVB	55415	65453	2.80%	0.349%

Sum of corrected areas: 18780200

LSC Report - Integrated Chromatogram

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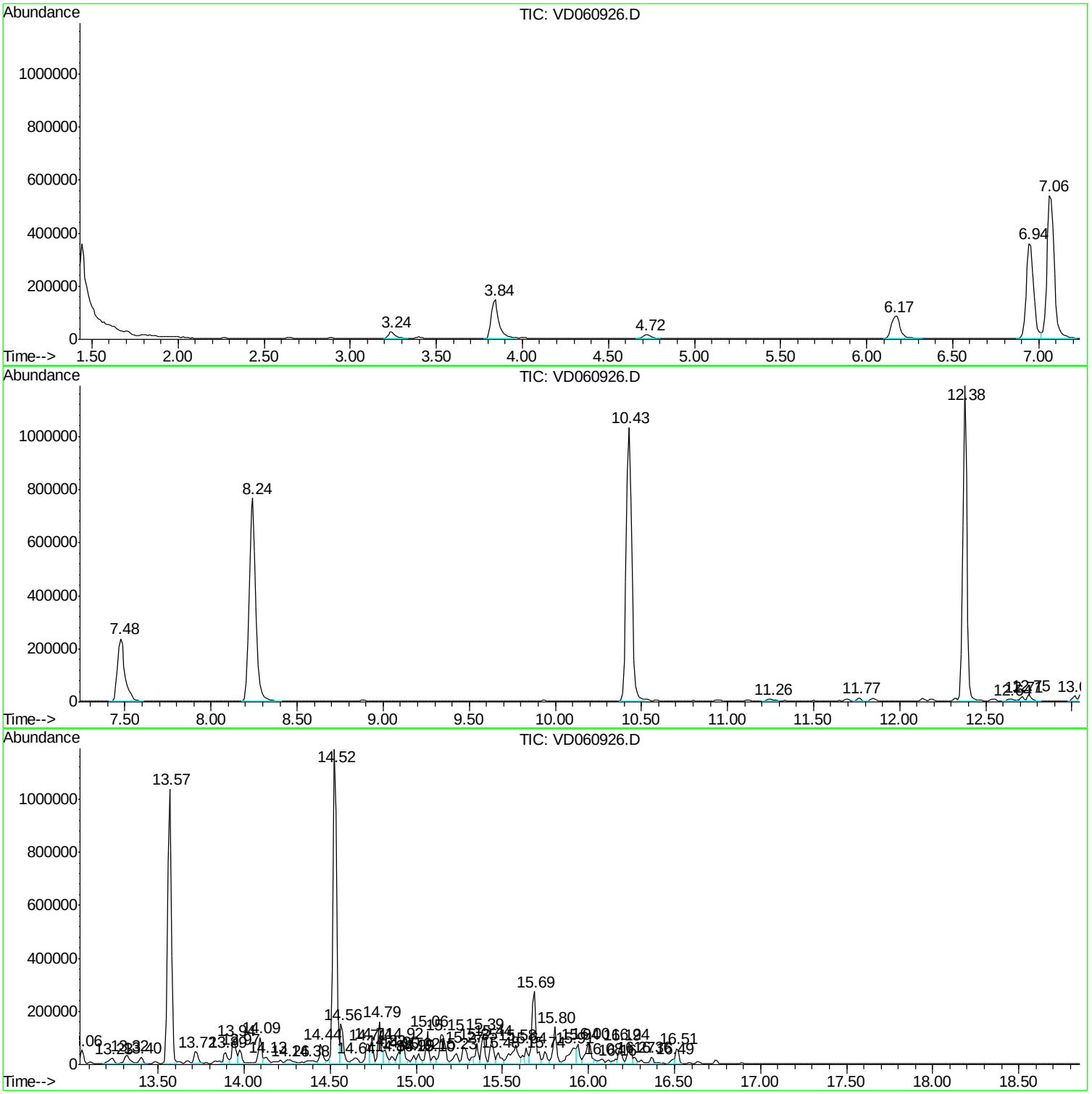
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.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 D\DATA\VD030419\
Data File : VD060926.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

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

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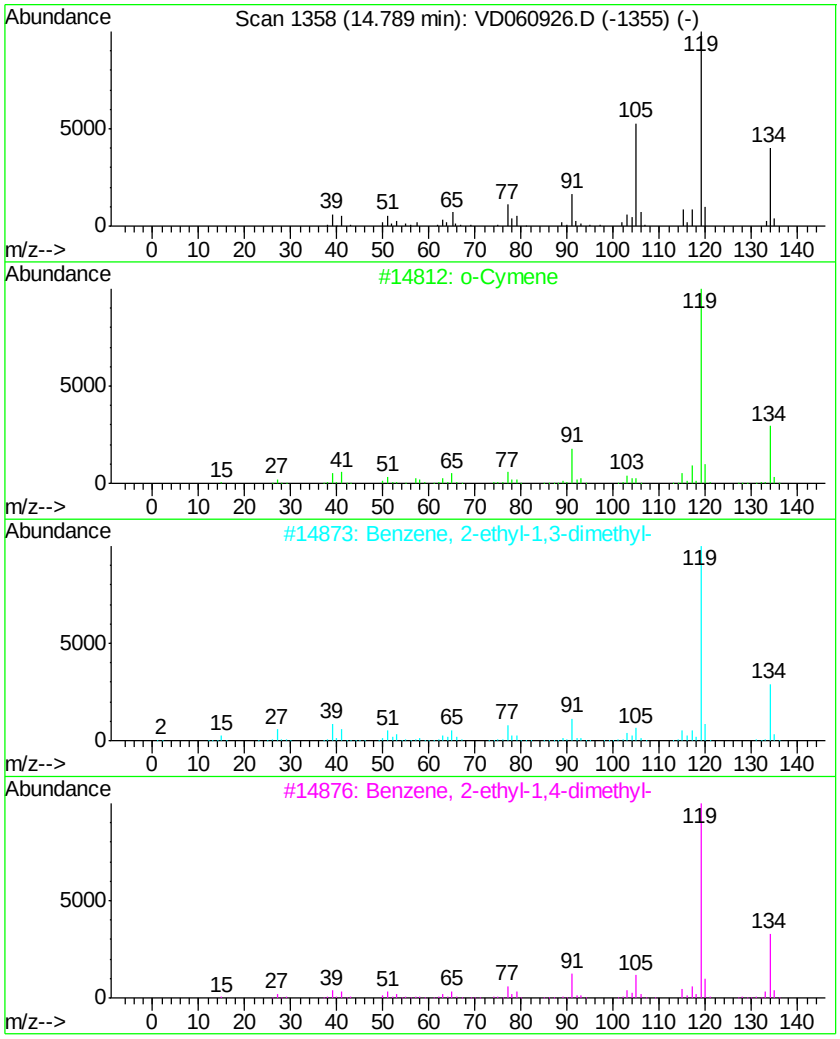
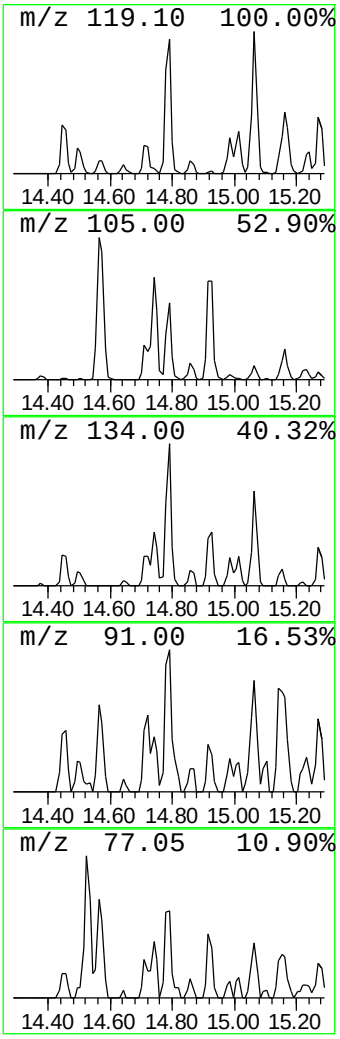
Peak Number 2 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	7.06 ug/l	232615	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060926.D
Acq On : 4 Mar 2019 16:27
Operator : VA/AP
Sample : K1670-04
Misc : 6.94g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

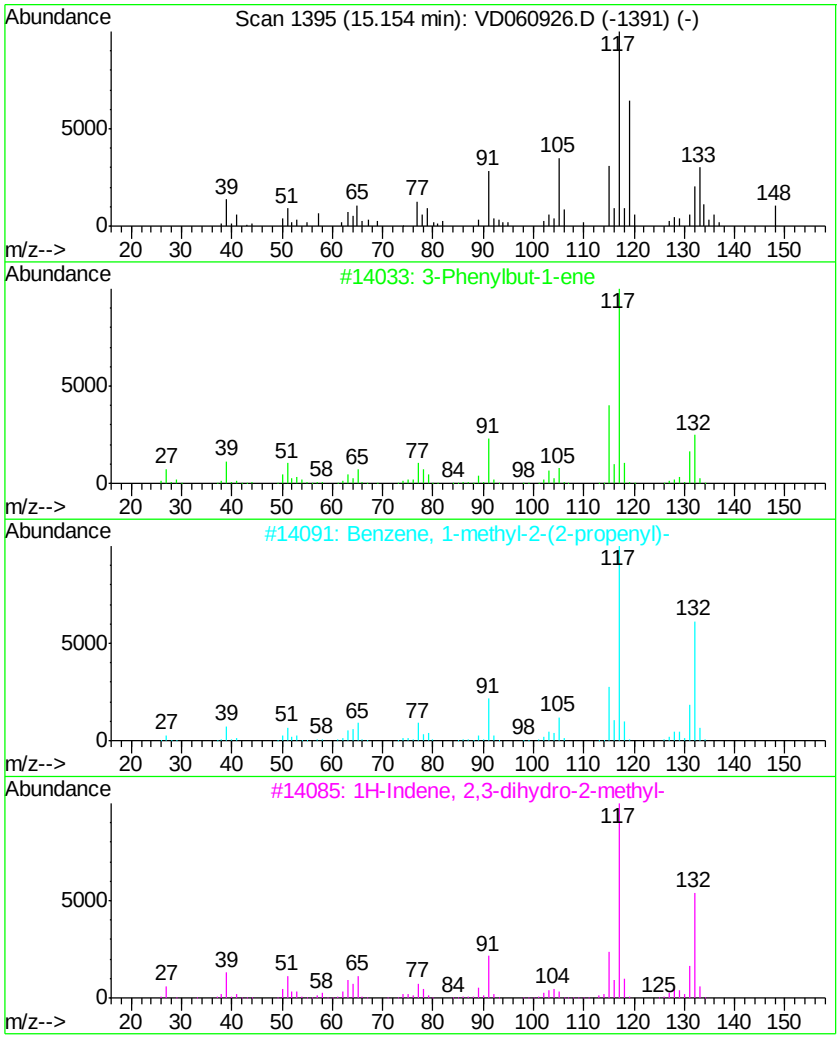
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

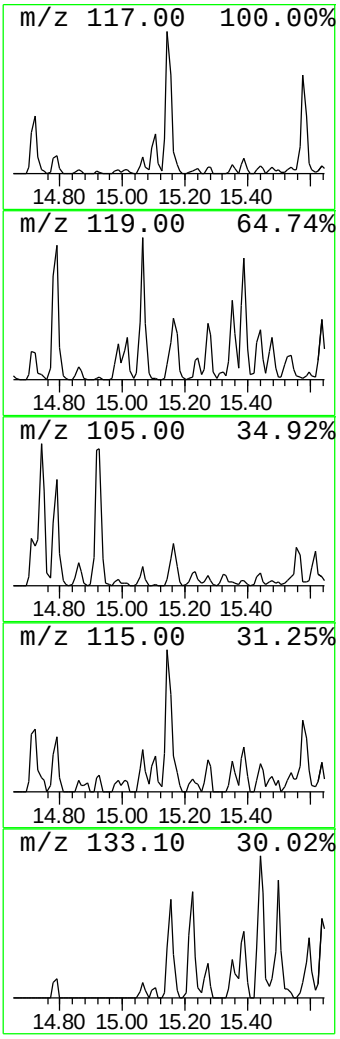
****

Peak Number 3 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	7.45 ug/l	245267	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	53
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	49
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060926.D
Acq On : 4 Mar 2019 16:27
Operator : VA/AP
Sample : K1670-04
Misc : 6.94g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

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

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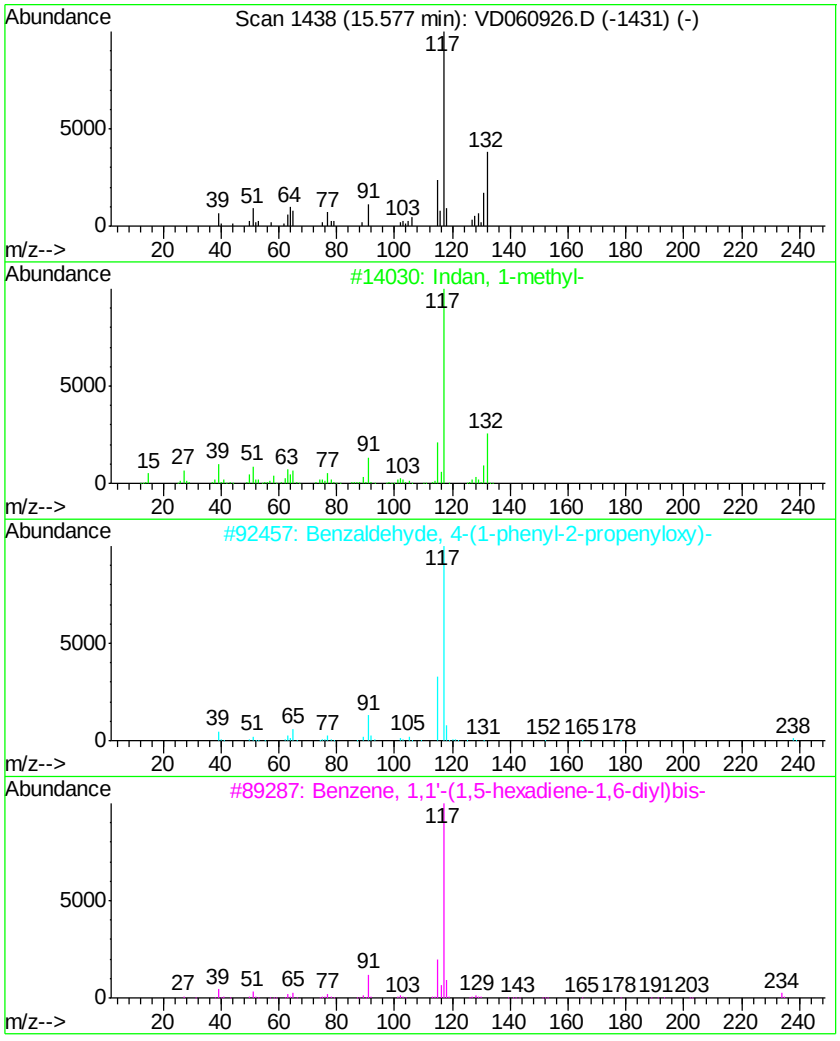
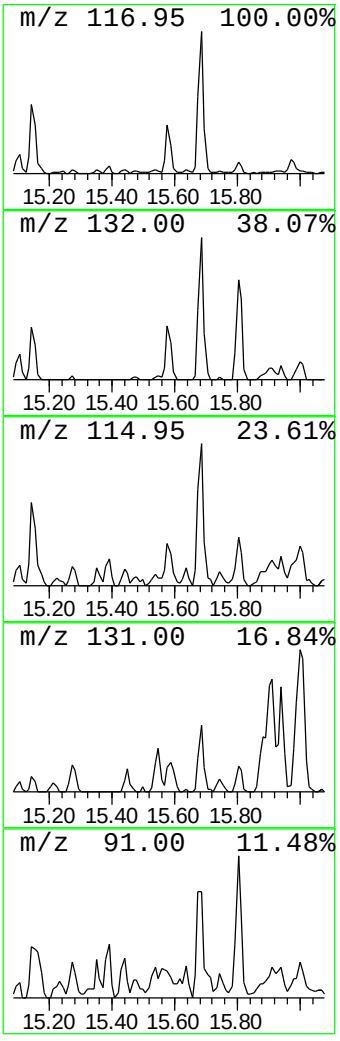
Peak Number 4 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	6.50 ug/l	214047	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	43
3	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	38
4	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	37
5	m-Aminophenylacetylene	117	C8H7N	054060-30-9	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

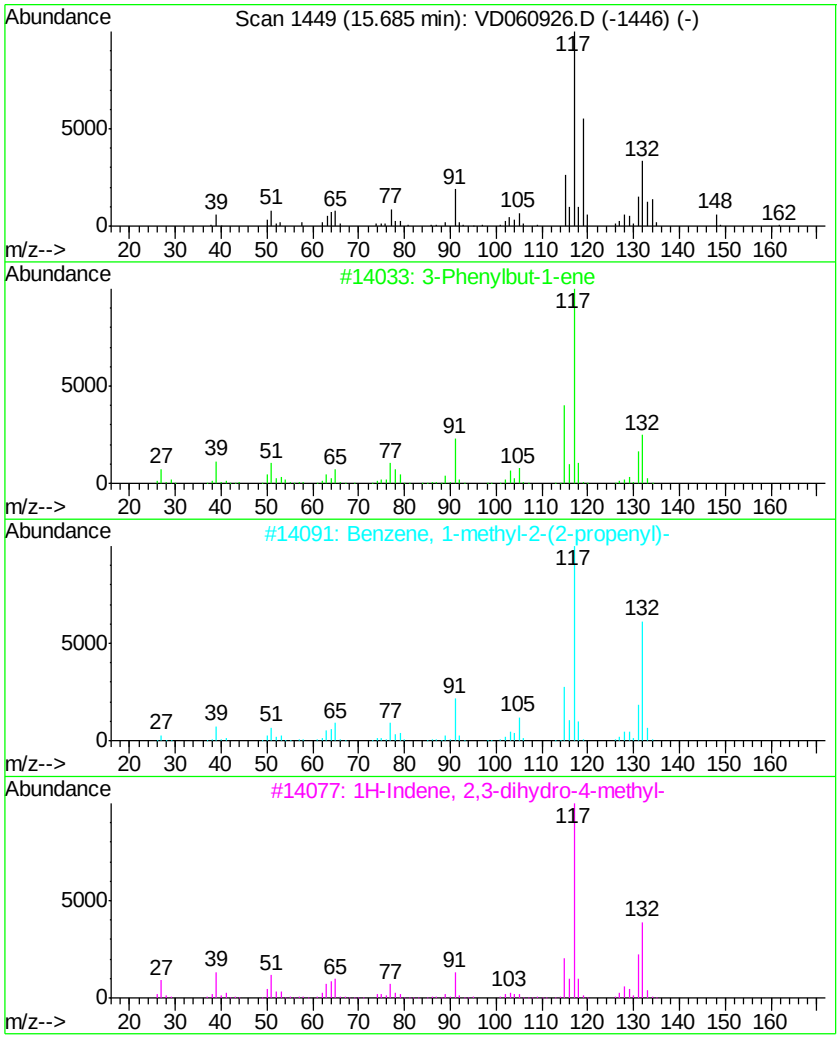
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

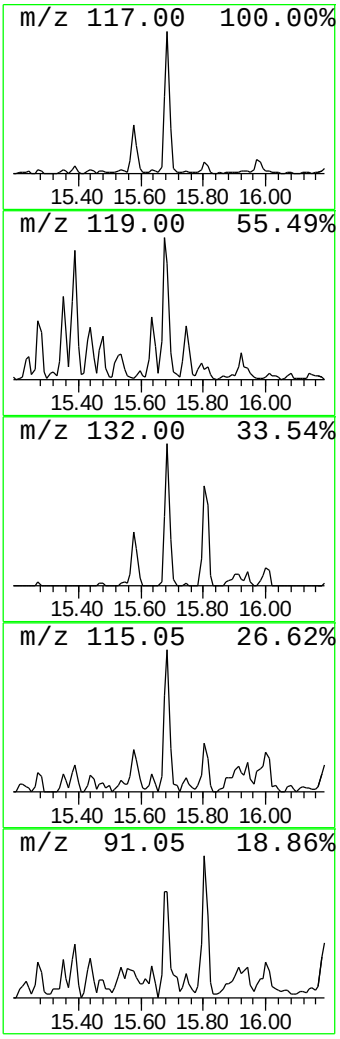
****

Peak Number 5 3-Phenylbut-1-ene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	13.15 ug/l	432945	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64
4	Indan, 1-methyl-	132	C10H12	000767-58-8	62
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	62





Library Search Compound Report

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Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

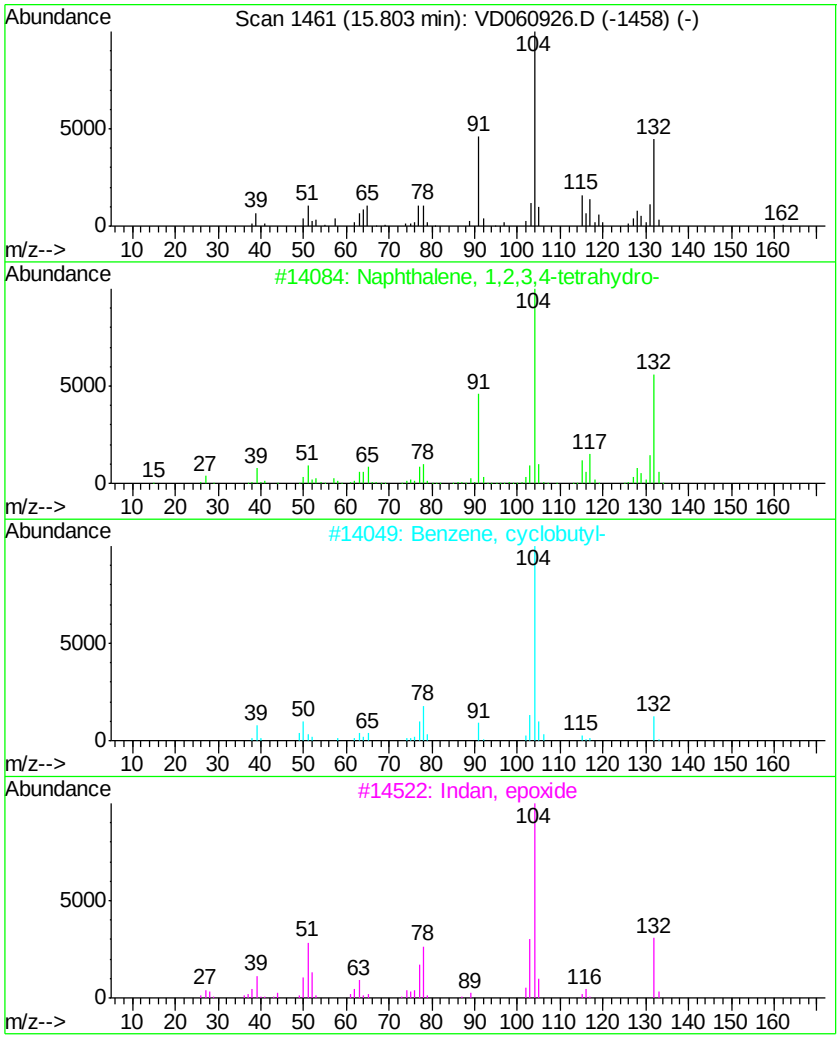
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

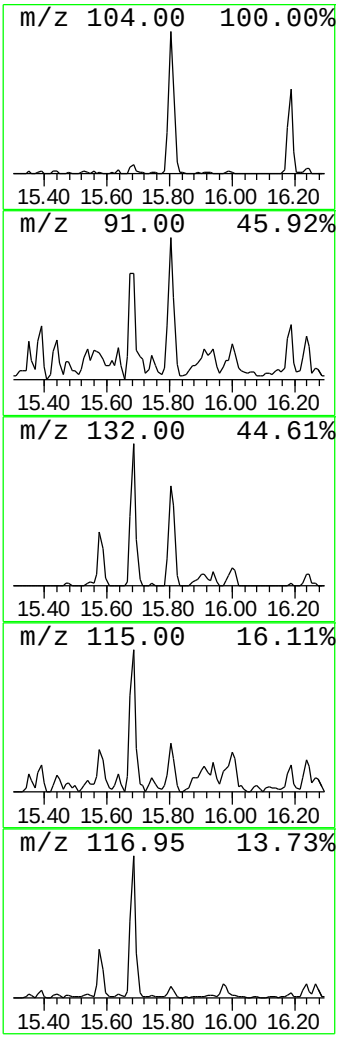
****

Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	6.36 ug/l	209558	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Benzene, cyclobutyl-	132	C10H12	004392-30-7	59
3	Indan, epoxide	132	C9H8O	000768-22-9	53
4	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
5	Acetic acid, trichloro-, 2-pheny...	266	C10H9Cl3O2	071965-07-6	43





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

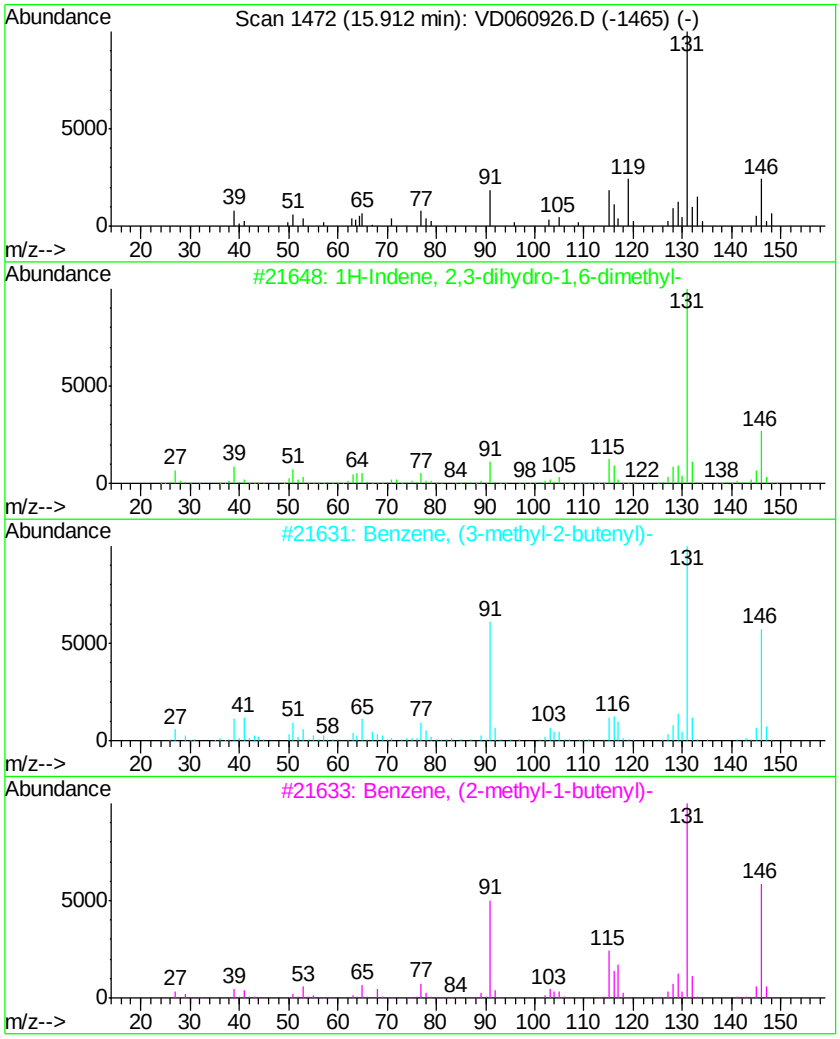
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

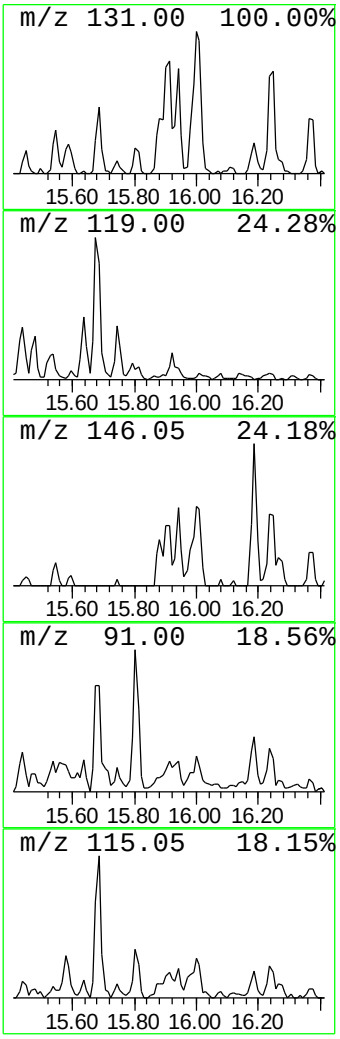
****

Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	5.99 ug/l	197258	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060926.D
Acq On : 4 Mar 2019 16:27
Operator : VA/AP
Sample : K1670-04
Misc : 6.94g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

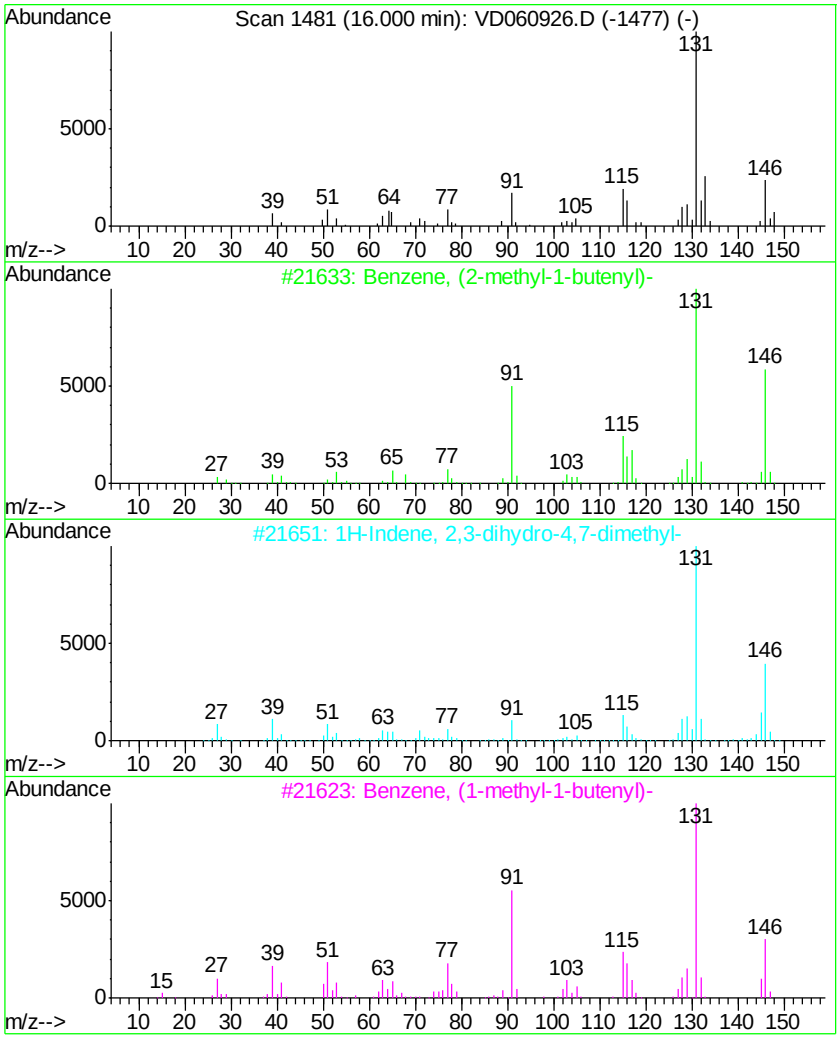
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

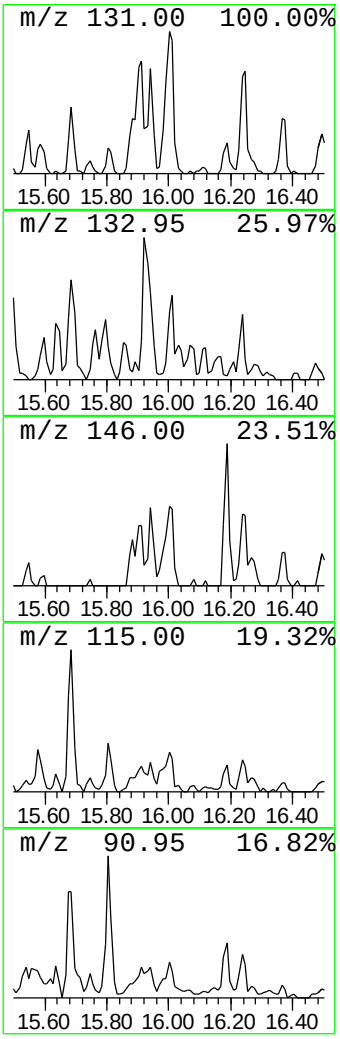
****

Peak Number 8 Benzene, (2-methyl-1-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	5.25 ug/l	172936	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030419\
Data File : VD060926.D
Acq On : 4 Mar 2019 16:27
Operator : VA/AP
Sample : K1670-04
Misc : 6.94g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.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
o-Cymene	14.79	7.1	ug/l	232615	4	14.52	1646780	50.0
3-Phenylbut-1-ene	15.15	7.5	ug/l	245267	4	14.52	1646780	50.0
Indan, 1-methyl-	15.58	6.5	ug/l	214047	4	14.52	1646780	50.0
3-Phenylbut-1-ene	15.69	13.2	ug/l	432945	4	14.52	1646780	50.0
Naphthalene, 1,2,...	15.80	6.4	ug/l	209558	4	14.52	1646780	50.0
1H-Indene, 2,3-di...	15.91	6.0	ug/l	197258	4	14.52	1646780	50.0
Benzene, (2-methy...	16.00	5.3	ug/l	172936	4	14.52	1646780	50.0