LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

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\82D050719S.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	3.842	241	246	252	rBV2	41985	113118	1.20%	0.157%
2	6.952	554	562	568	rBV	424535	1160471	12.33%	1.615%
3	7.070	568	574	590	rVB	757169	2166229	23.01%	3.015%
4	7.483	609	616	628	rBV	564607	1572909	16.71%	2.189%
5	8.241	687	693	711	rBV	888697	2260217	24.01%	3.146%
6	10.426	910	915	921	rBV	813571	1880310	19.97%	2.617%
7	10.534	921	926	939	rVB	941120	2163435	22.98%	3.011%
8	12.384	1109	1114	1125	rBV	1353922	2285728	24.28%	3.181%
9	12.532	1125	1129	1134	rVV	260521	398324	4.23%	0.554%
10	12.669	1139	1143	1157	rVB	1703404	3154281	33.50%	4.390%
11	13.063	1179	1183	1190	rBV2	1532296	3302928	35.08%	4.597%
12	13.407	1215	1218	1223	rVB	184673	281259	2.99%	0.391%
13	13.565	1231	1234	1241	rBV	917228	1242222	13.19%	1.729%
14	13.860	1261	1264	1266	rBV	466433	671447	7.13%	0.935%
15	13.890	1266	1267	1269	rVV	192565	167378	1.78%	0.233%
16	13.939	1269	1272	1279	rVB	1284890	1690003	17.95%	2.352%
17	14.086	1284	1287	1289	rBV	185010	300232	3.19%	0.418%
18	14.116	1289	1290	1294	rVB2	199779	214718	2.28%	0.299%
19	14.244	1300	1303	1306	rBV	3463956	4347184	46.17%	6.051%
20	14.303	1306	1309	1311	rVB	393131	517870	5.50%	0.721%
21	14.342	1311	1313	1320	rVB2	109589	190536	2.02%	0.265%
22	14.451	1320	1324	1327	rBV	1222279	1794739	19.06%	2.498%
23	14.529	1327	1332	1334	rVV	1254663	1867175	19.83%	2.599%
24	14.569	1334	1336	1339	rVV	1802613	2083176	22.13%	2.899%
25	14.618	1339	1341	1348	rVB	278245	330253	3.51%	0.460%
26	14.716	1348	1351	1354	rBV	6841064	8562926	90.95%	11.918%
27	14.785	1356	1358	1365	rVV	495462	571453	6.07%	0.795%
28	14.883	1365	1368	1372	rVV	7275154	9414696	100.00%	13.104%
29	14.982	1376	1378	1380	rVV	162787	264503	2.81%	0.368%
30	15.011	1380	1381	1383	rVV	178154	165424	1.76%	0.230%
31	15.061	1383	1386	1388	rVV	367752	461441	4.90%	0.642%
32	15.149	1392	1395	1398	rVV	480505	657674	6.99%	0.915%
33	15.238	1401	1404	1406	rVV	266077	331373	3.52%	0.461%
34	15.316	1409	1412	1414	rVV	641667	852930	9.06%	1.187%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

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\82D050719S.M
Title : SW846 8260

35	15.356	1414	1416	1417	rVV	377272	480069	5.10%	0.668%
36	15.395	1417	1420	1427	rVV2	1028190	2357712	25.04%	3.282%
37	15.484	1427	1429	1433	rVB3	65346	122645	1.30%	0.171%
38	15.582	1436	1439	1442	rVV	492194	646354	6.87%	0.900%
39	15.681	1446	1449	1452	rVV	1118187	1393675	14.80%	1.940%
40	15.740	1452	1455	1459	rVV	496612	644447	6.85%	0.897%
41	15.809	1459	1462	1465	rVV	718081	921251	9.79%	1.282%
42	15.877	1466	1469	1477	rBV5	44647	151223	1.61%	0.210%
43	16.133	1492	1495	1498	rBV	6351146	7222001	76.71%	10.052%
44	16.202	1500	1502	1507	rVB	210011	296228	3.15%	0.412%
45	16.921	1572	1575	1579	rVB	135728	172679	1.83%	0.240%

Sum of corrected areas: 71846846

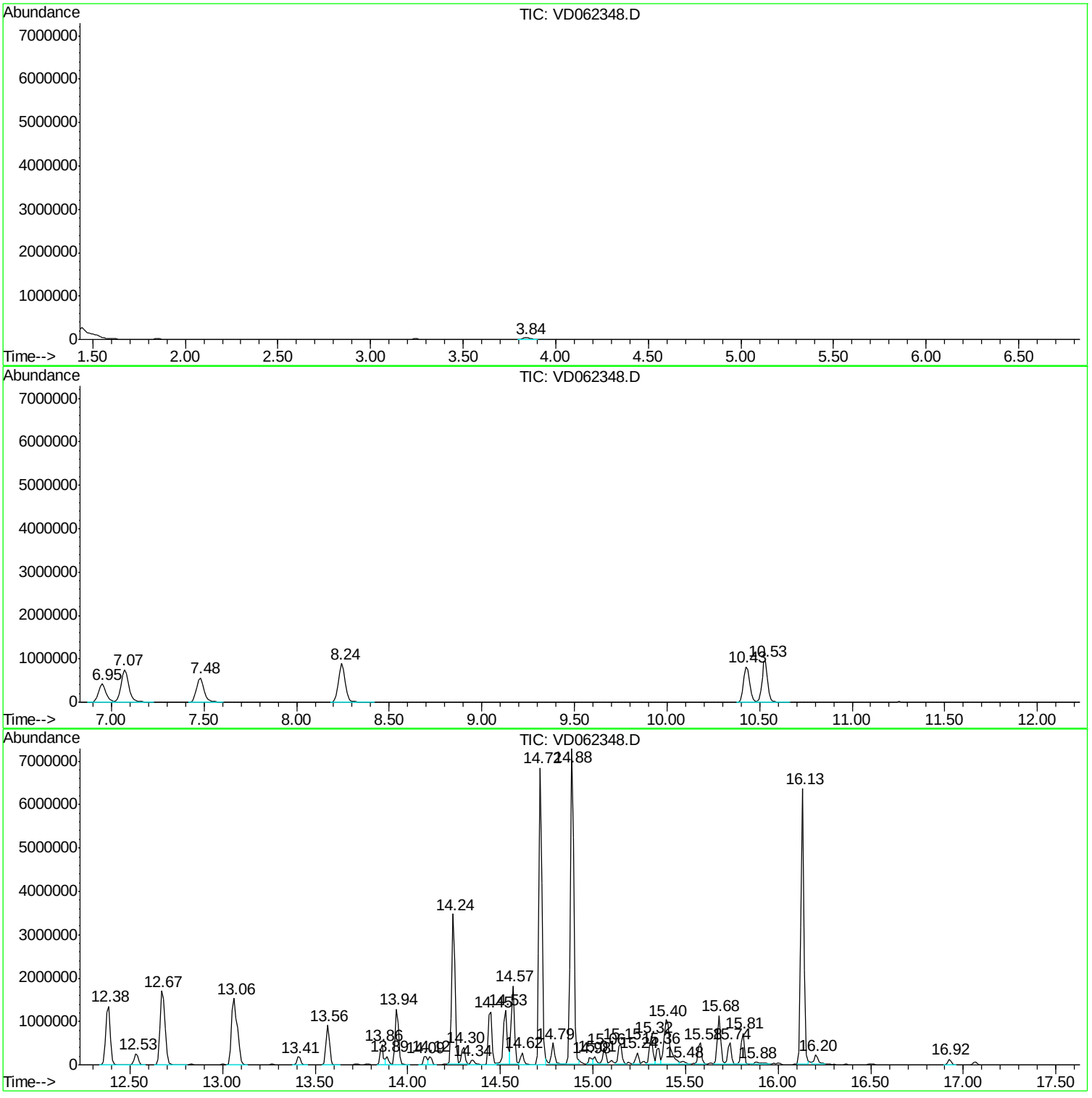
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.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\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

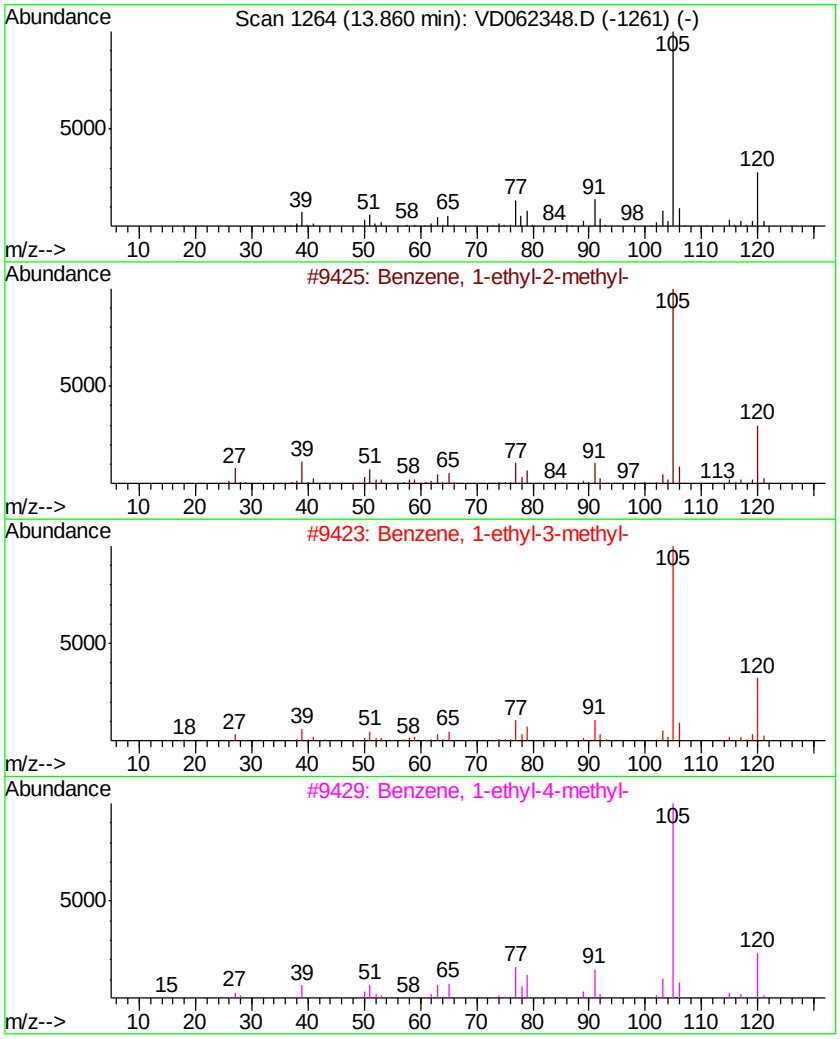
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

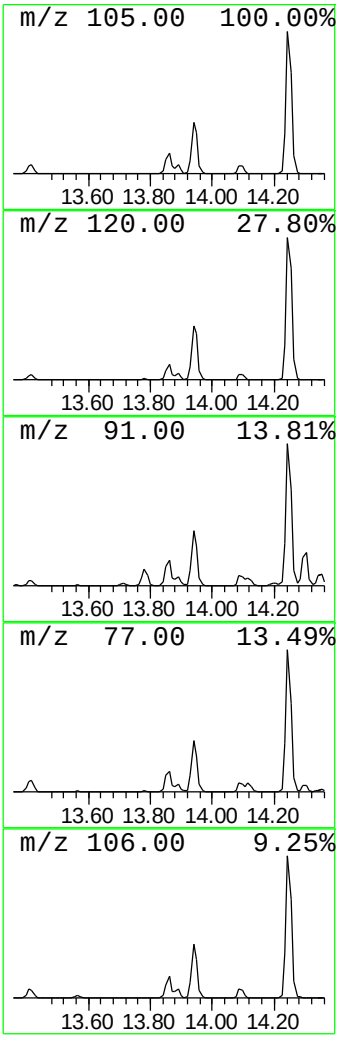
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	17.98 ug/l	671447	1,4-Dichlorobenzene-d4	14.53

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	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

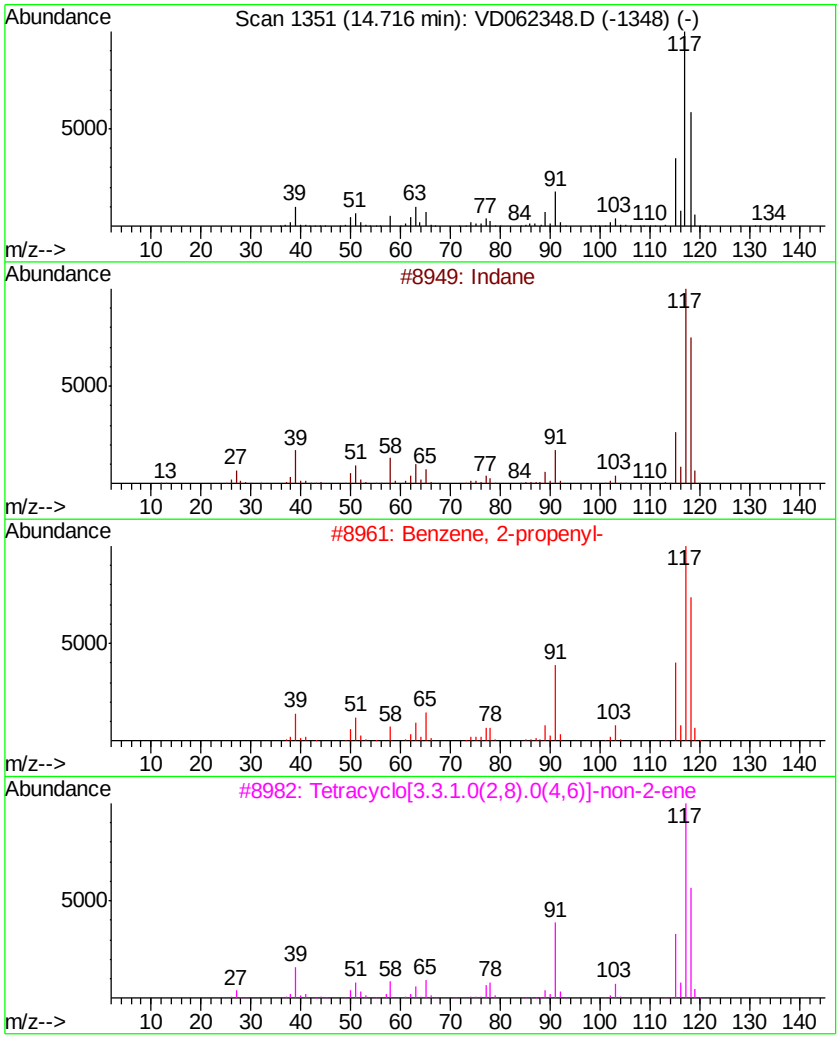
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

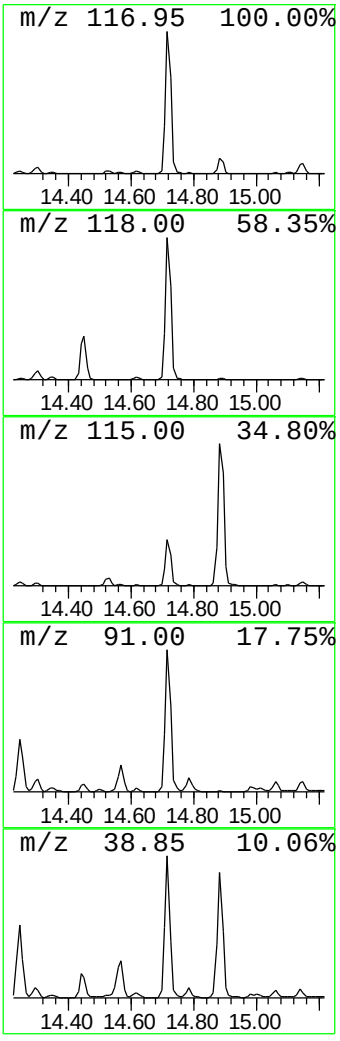
****

Peak Number 2 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	229.30 ug/l	8562930	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

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

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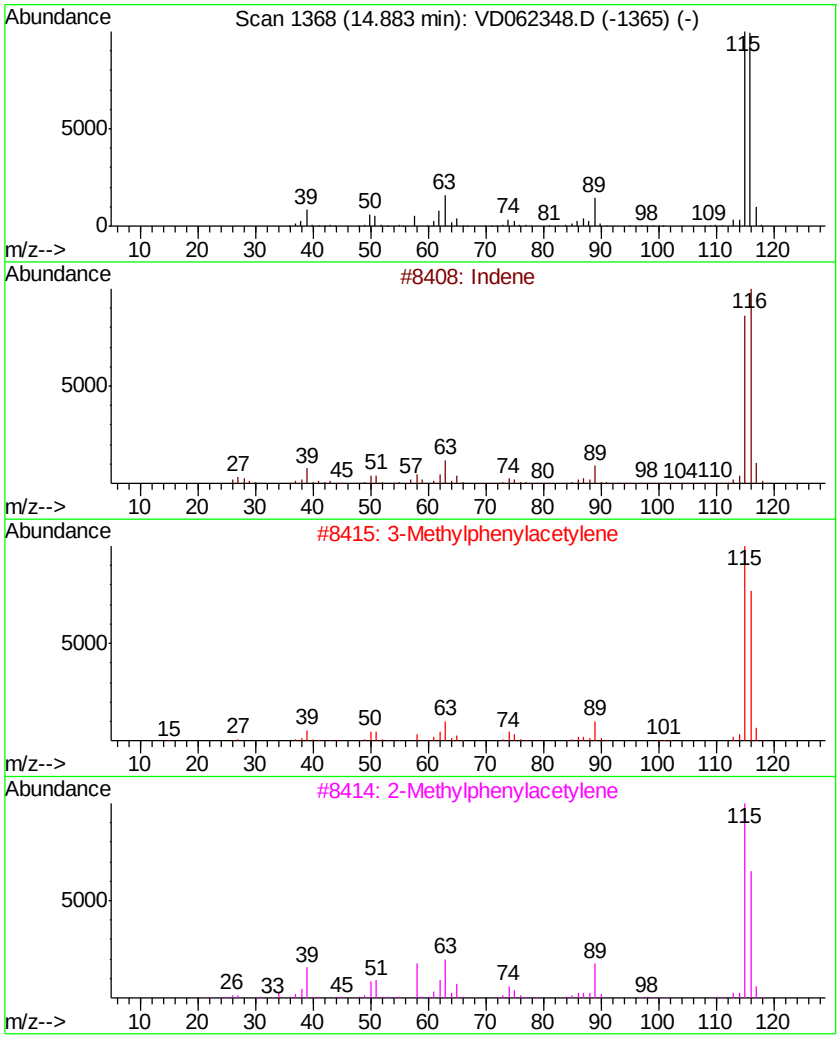
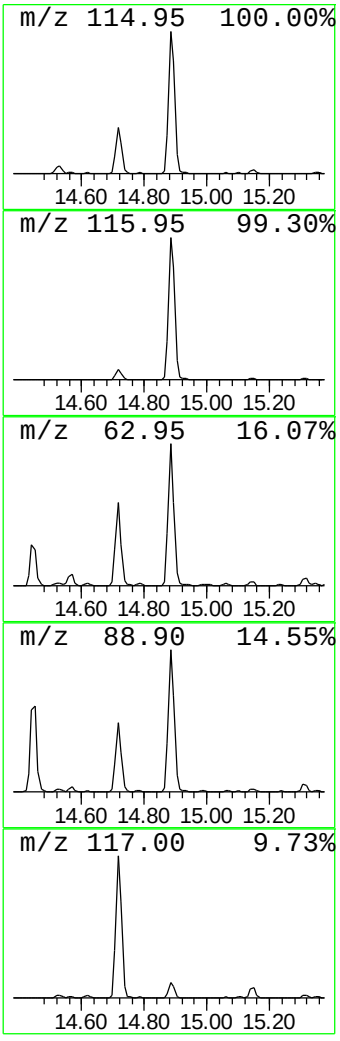
Peak Number 3 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	252.11 ug/l	9414700	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

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

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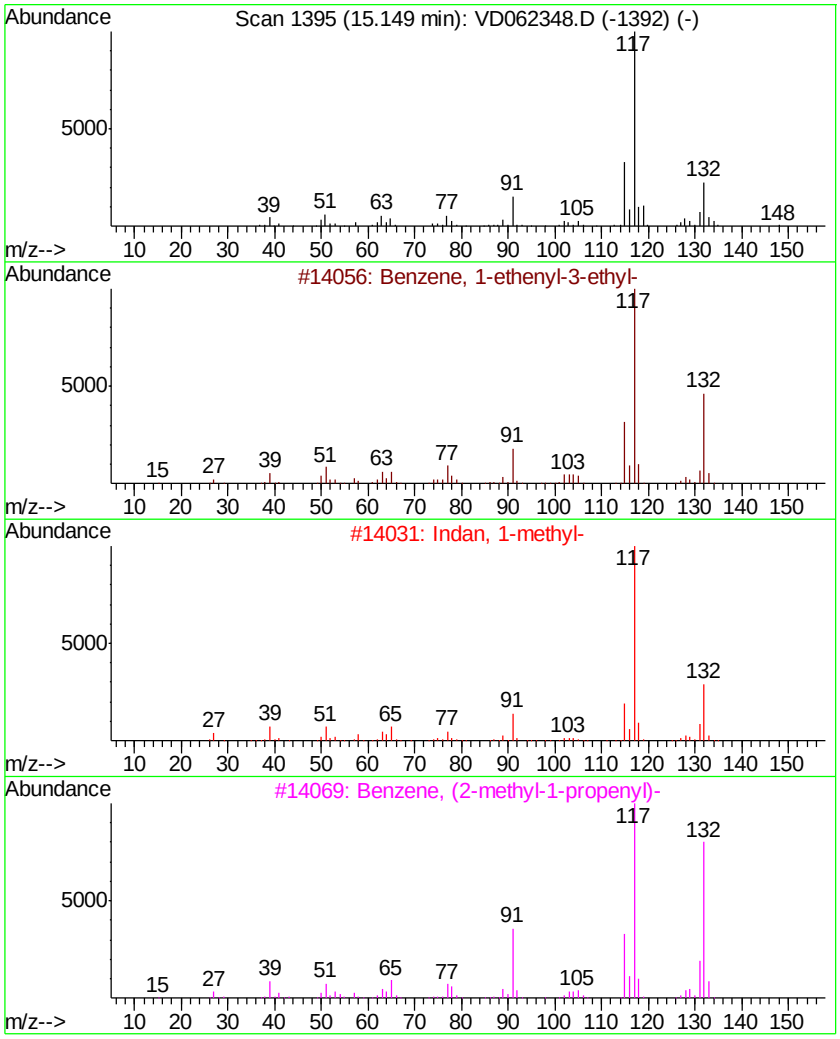
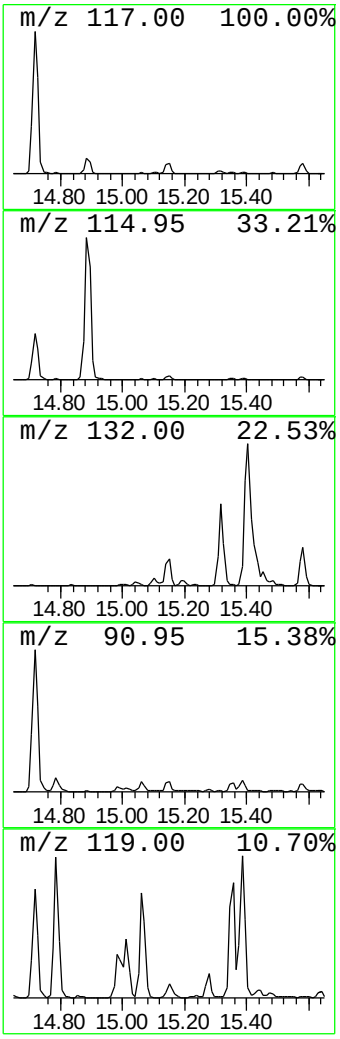
Peak Number 4 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	17.61 ug/l	657674	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	74





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

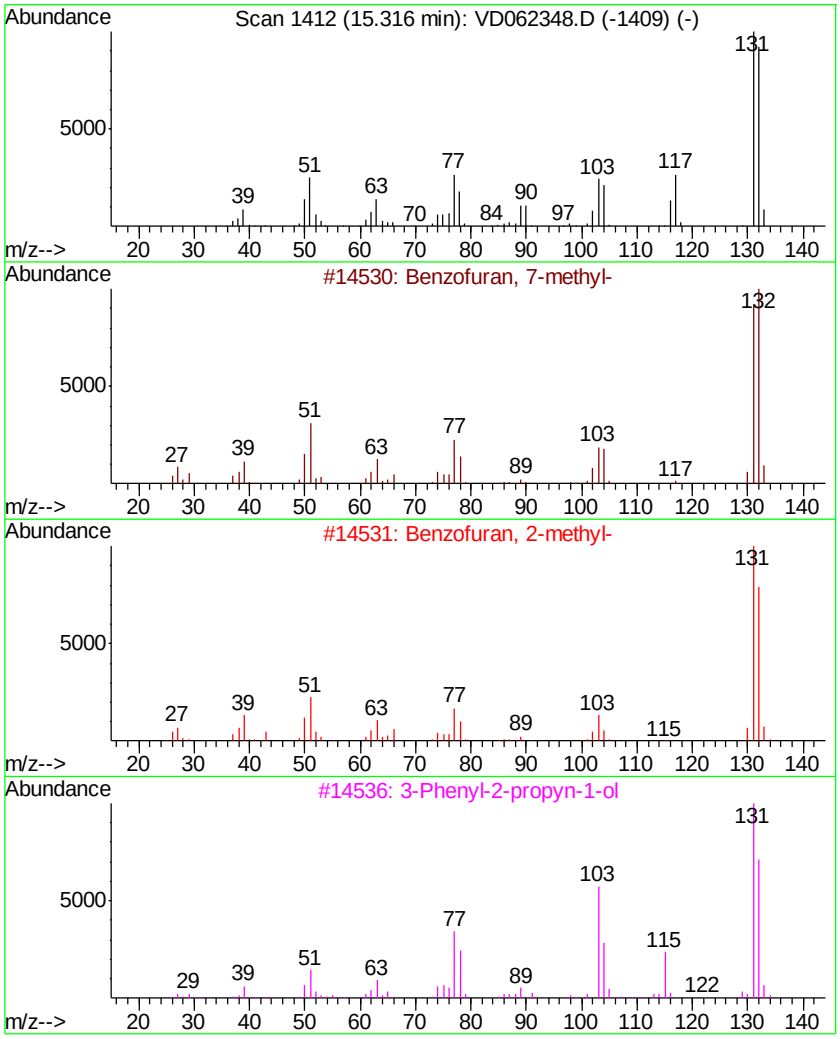
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

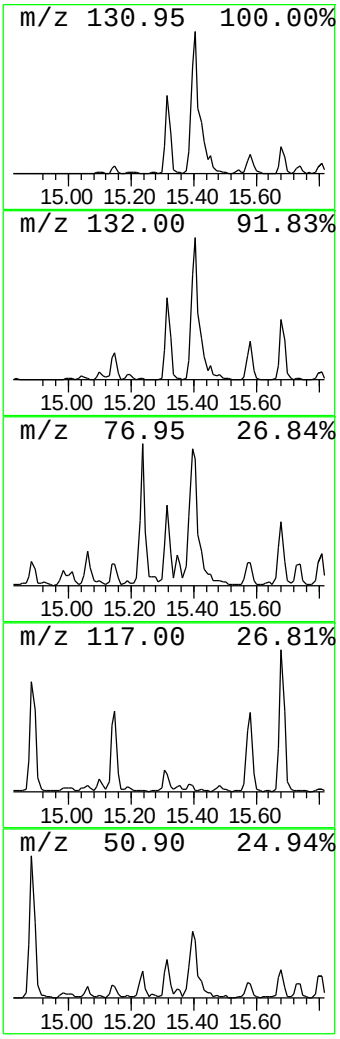
****

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	22.84 ug/l	852930	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	90
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	89
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	81
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	76
5	1H-Indenol	132	C9H8O	056631-57-3	68





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

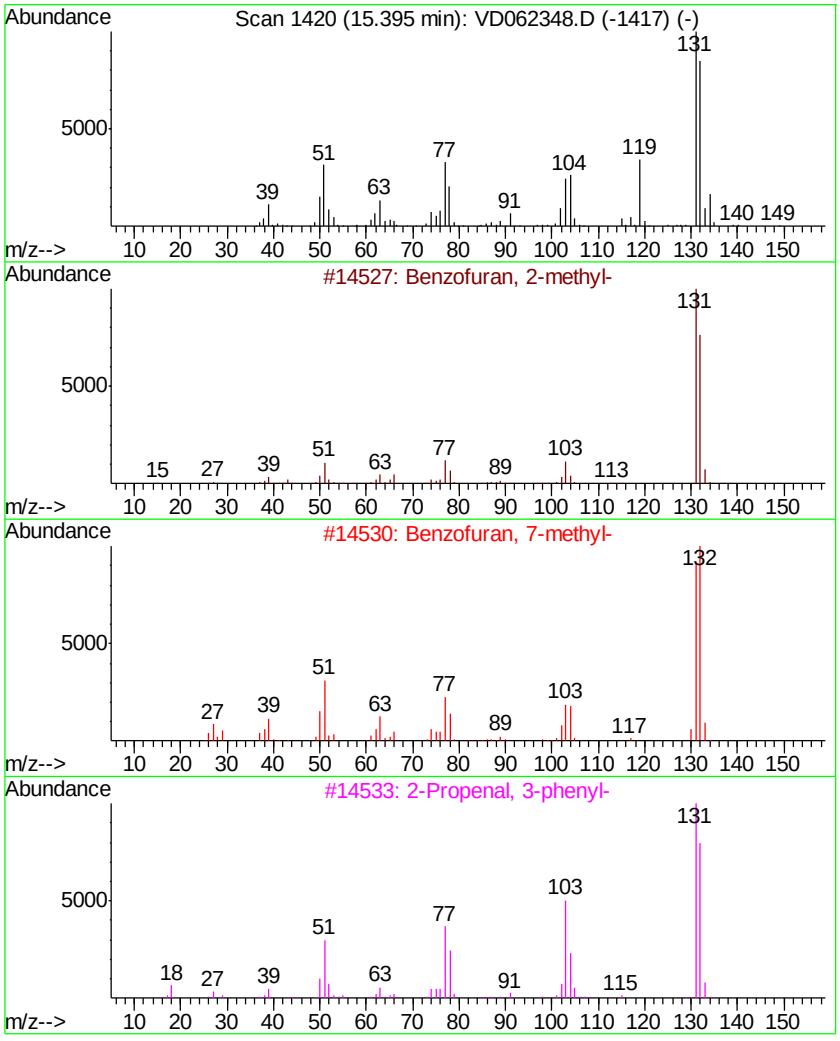
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

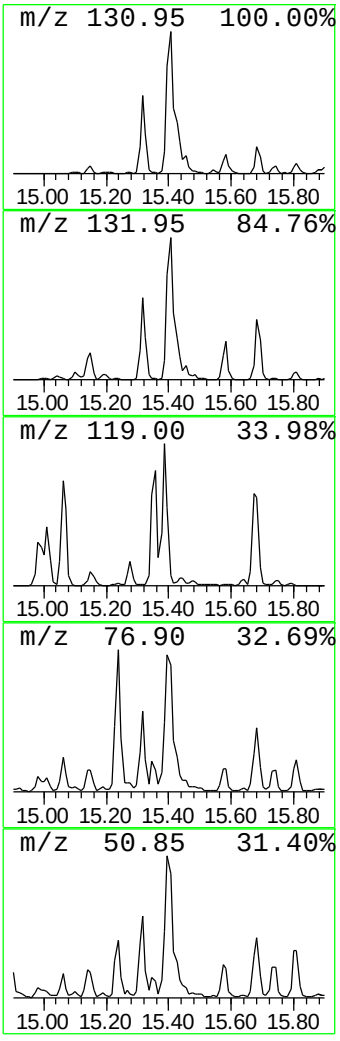
****

Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	63.14 ug/l	2357710	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	93
3	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	81





Library Search Compound Report

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Data File : VD062348.D
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Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

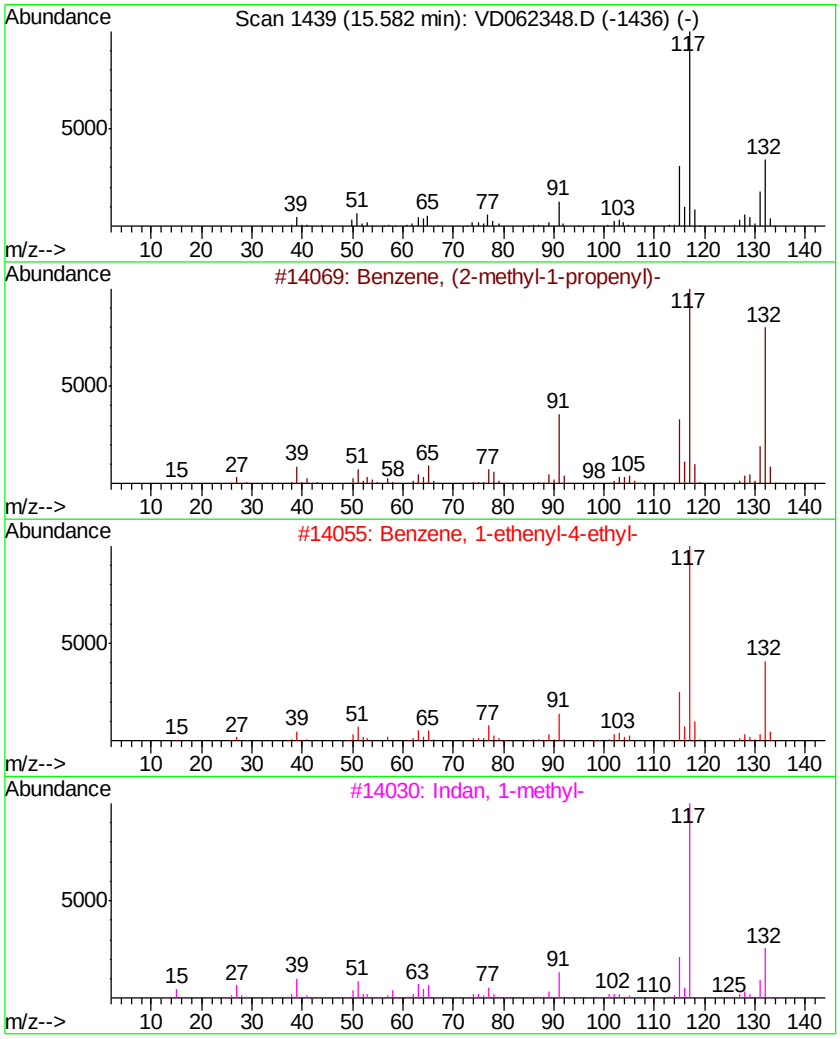
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

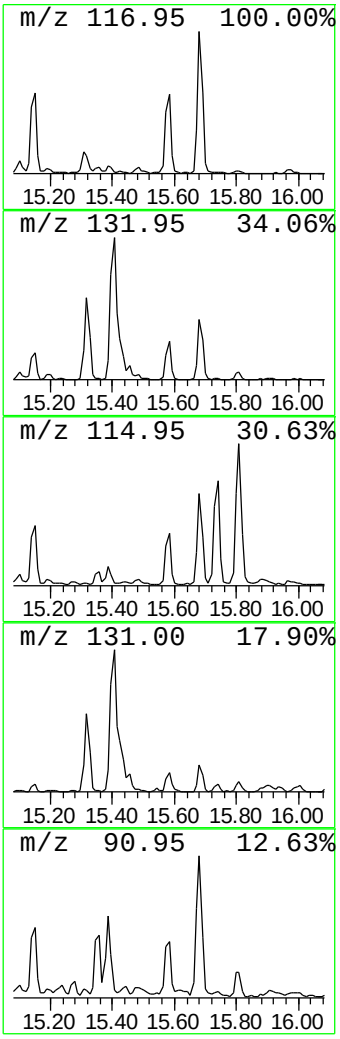
****

Peak Number 7 Benzene, (2-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	17.31 ug/l	646354	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	86
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	86





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

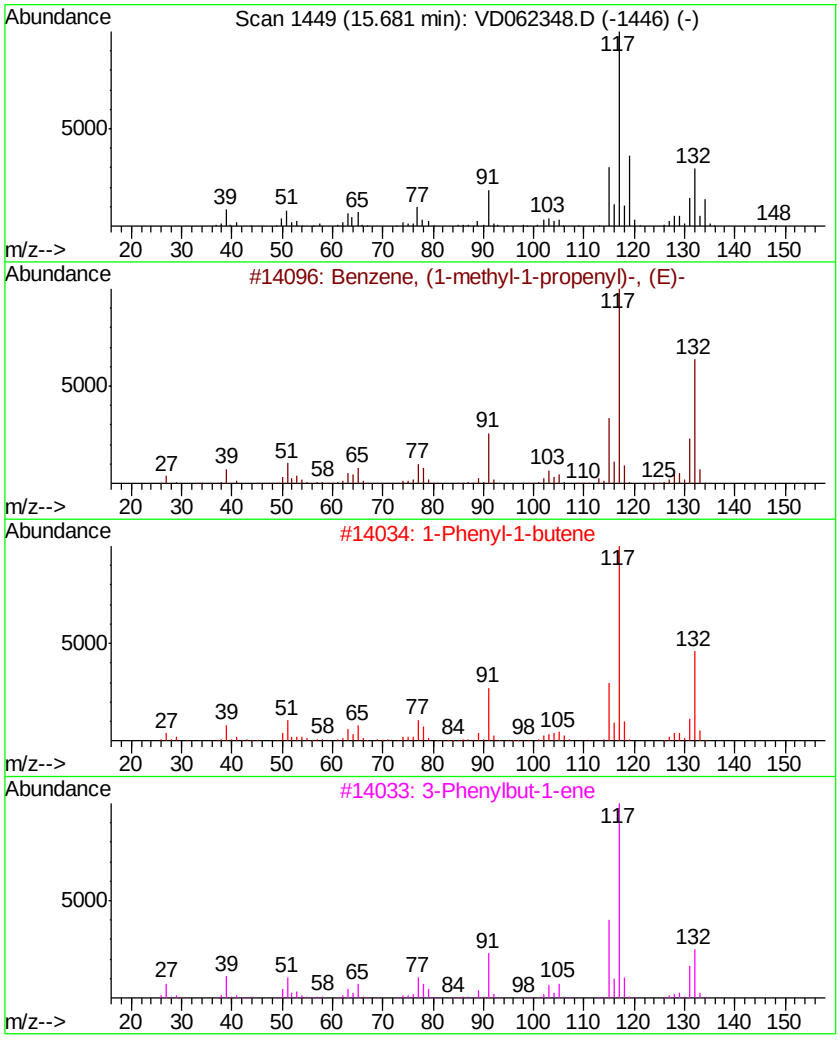
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

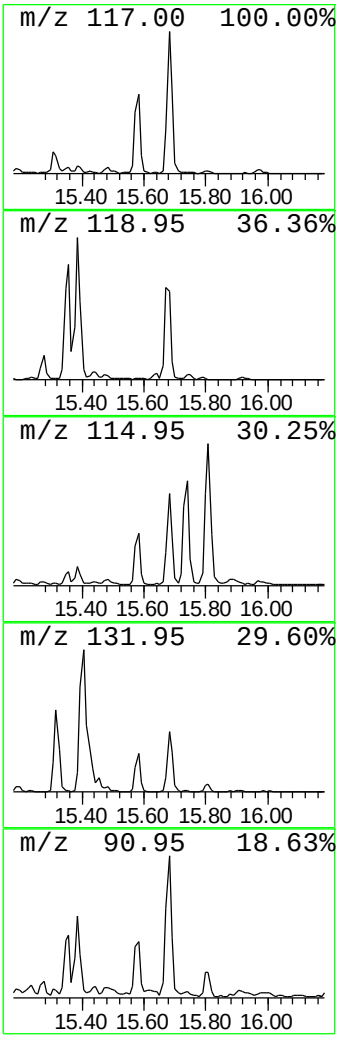
****

Peak Number 8 Benzene, (1-methyl-1-propen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	37.32 ug/l	1393680	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

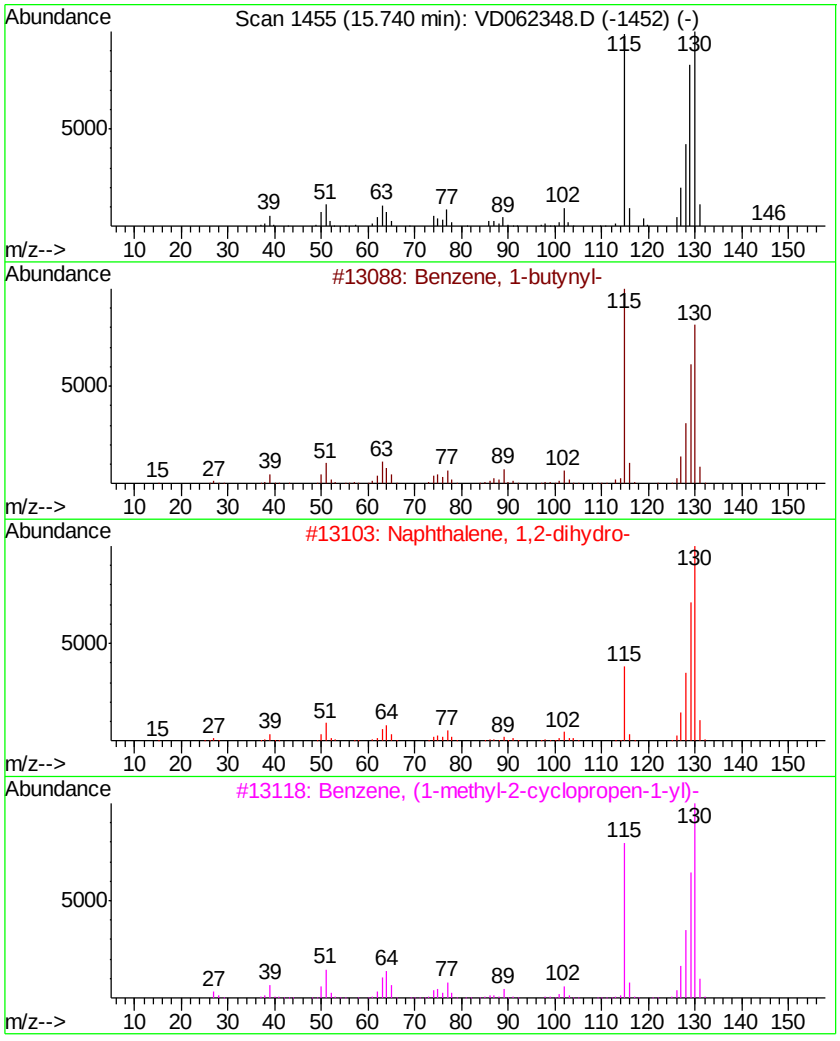
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

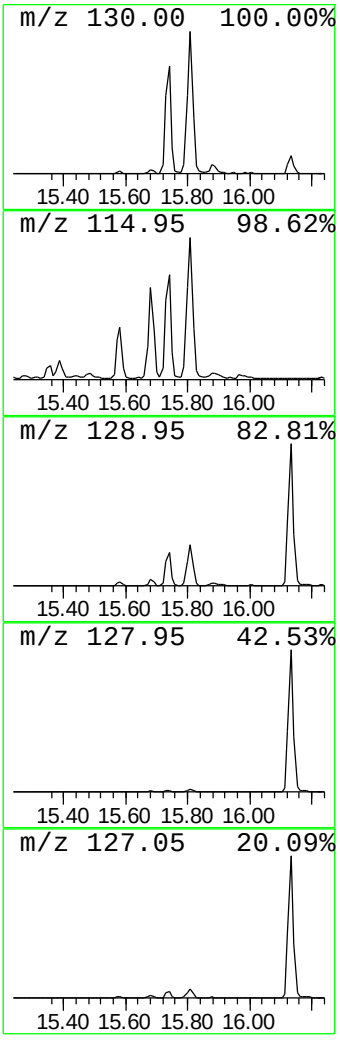
****

Peak Number 9 Benzene, 1-butynyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	17.26 ug/l	644447	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	91
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	91
4	2-Methylindene	130	C10H10	002177-47-1	91
5	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	83





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260

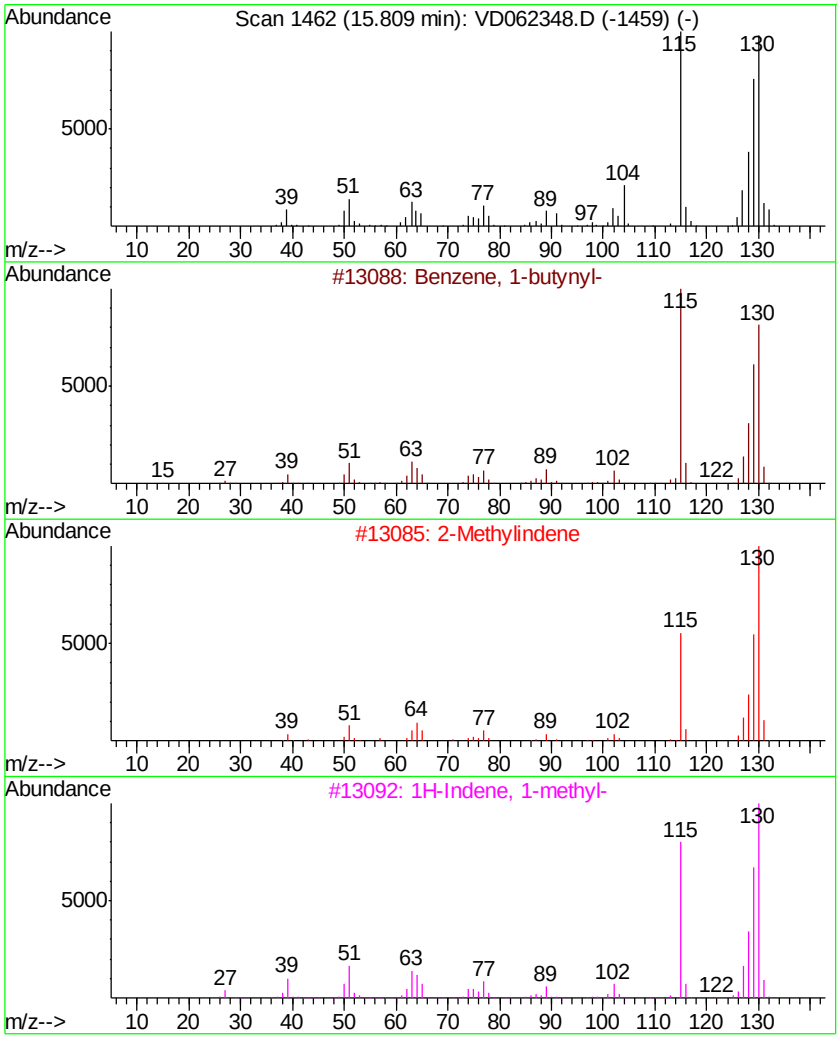
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

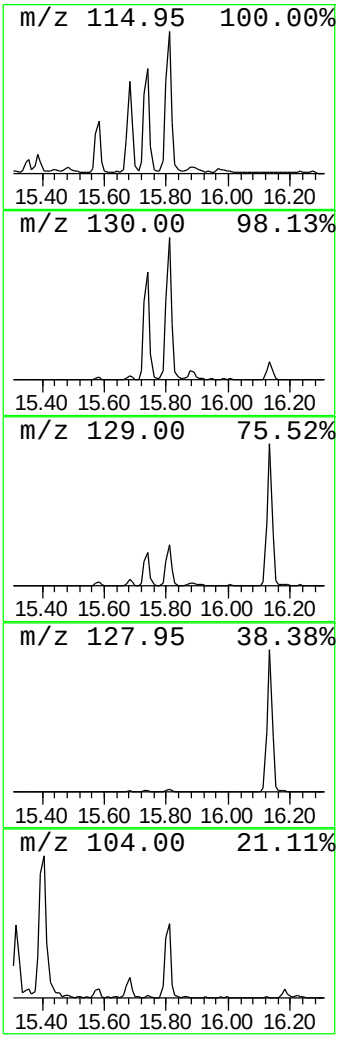
****

Peak Number 10 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	24.67 ug/l	921251	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
2	2-Methylindene	130	C10H10	002177-47-1	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051419\
Data File : VD062348.D
Acq On : 14 May 2019 16:02
Operator : FY/SY
Sample : K2642-03
Misc : 6.53g/5mL/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : OK-03-050919

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.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-...	13.86	18.0	ug/l	671447	4	14.53	1867180	50.0
Indane	14.72	229.3	ug/l	8562930	4	14.53	1867180	50.0
Indene	14.88	252.1	ug/l	9414700	4	14.53	1867180	50.0
Benzene, 1-etheny...	15.15	17.6	ug/l	657674	4	14.53	1867180	50.0
Benzofuran, 7-met...	15.32	22.8	ug/l	852930	4	14.53	1867180	50.0
Benzofuran, 2-met...	15.40	63.1	ug/l	2357710	4	14.53	1867180	50.0
Benzene, (2-methy...	15.58	17.3	ug/l	646354	4	14.53	1867180	50.0
Benzene, (1-methy...	15.68	37.3	ug/l	1393680	4	14.53	1867180	50.0
Benzene, 1-butynyl-	15.74	17.3	ug/l	644447	4	14.53	1867180	50.0
2-Methylindene	15.81	24.7	ug/l	921251	4	14.53	1867180	50.0