LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-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\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	2.372	92	96	101	rBV2	17552	37549	1.63%	0.183%
2	2.648	120	124	130	rBV3	12436	32522	1.41%	0.159%
3	3.229	176	183	197	rBV	39378	144501	6.26%	0.705%
4	3.839	235	245	258	rBV2	115639	471377	20.42%	2.299%
5	4.016	258	263	270	rVB	12262	41381	1.79%	0.202%
6	4.252	281	287	296	rVB2	24054	76715	3.32%	0.374%
7	4.725	330	335	347	rVB2	31523	99324	4.30%	0.484%
8	5.827	441	447	455	rVB2	31404	101546	4.40%	0.495%
9	6.172	472	482	496	rBV	110114	380461	16.48%	1.855%
10	6.950	554	561	568	rBV	437110	1284938	55.67%	6.266%
11	7.068	568	573	590	rVV	575826	1716675	74.38%	8.372%
12	7.304	592	597	604	rVB5	8790	29189	1.26%	0.142%
13	7.471	607	614	627	rBV2	282445	800941	34.70%	3.906%
14	7.718	634	639	645	rVB3	14879	45910	1.99%	0.224%
15	8.239	686	692	711	rBV	868980	2256710	97.78%	11.005%
16	8.889	750	758	763	rBV	20727	60737	2.63%	0.296%
17	10.425	908	914	924	rBV	958994	2308025	100.00%	11.256%
18	11.252	994	998	1003	rBV	9447	25671	1.11%	0.125%
19	12.384	1109	1113	1121	rVB	1297319	2247285	97.37%	10.959%
20	13.319	1202	1208	1213	rVV5	15159	35938	1.56%	0.175%
21	13.565	1230	1233	1238	rBV	1009341	1462177	63.35%	7.131%
22	13.723	1246	1249	1254	rVB	44167	63692	2.76%	0.311%
23	13.890	1264	1266	1269	rBV	26864	40287	1.75%	0.196%
24	13.949	1269	1272	1274	rVV	70932	96667	4.19%	0.471%
25	14.097	1283	1287	1289	rBV	58636	75115	3.25%	0.366%
26	14.451	1320	1323	1326	rBV	63136	77733	3.37%	0.379%
27	14.530	1328	1331	1334	rVV	1461181	1820748	78.89%	8.879%
28	14.569	1334	1335	1338	rVV	113142	110378	4.78%	0.538%
29	14.717	1348	1350	1351	rVV	55813	60359	2.62%	0.294%
30	14.746	1351	1353	1355	rVV	82457	91065	3.95%	0.444%
31	14.786	1355	1357	1360	rVV	176211	239393	10.37%	1.167%
32	14.865	1363	1365	1367	rVV	25027	30278	1.31%	0.148%
33	14.924	1367	1371	1374	rVV	80367	106613	4.62%	0.520%
34	15.012	1379	1380	1383	rVV	33698	44207	1.92%	0.216%

LSC Area Percent Report

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Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-GF-02-032-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\82D030119S.M
Title : SW846 8260

35	15.071	1383	1386	1388	rVV	96680	130680	5.66%	0.637%
36	15.111	1388	1390	1391	rVV	20322	34159	1.48%	0.167%
37	15.150	1391	1394	1399	rVV2	109604	231169	10.02%	1.127%
38	15.229	1399	1402	1405	rVV3	32831	70687	3.06%	0.345%
39	15.278	1405	1407	1410	rVV	82118	122097	5.29%	0.595%
40	15.357	1410	1415	1416	rVV2	85274	117149	5.08%	0.571%
41	15.386	1416	1418	1421	rVV	151338	199677	8.65%	0.974%
42	15.445	1421	1424	1426	rVV2	77082	119933	5.20%	0.585%
43	15.485	1426	1428	1431	rVV2	43581	95231	4.13%	0.464%
44	15.544	1431	1434	1435	rVV2	39970	69942	3.03%	0.341%
45	15.583	1437	1438	1442	rVV2	48342	87941	3.81%	0.429%
46	15.642	1442	1444	1446	rVV	75183	97109	4.21%	0.474%
47	15.682	1446	1448	1451	rVV	311090	459916	19.93%	2.243%
48	15.751	1453	1455	1457	rVV2	53775	75716	3.28%	0.369%
49	15.810	1457	1461	1464	rVV	220521	290846	12.60%	1.418%
50	15.879	1464	1468	1469	rVV3	44341	79326	3.44%	0.387%
51	15.918	1469	1472	1473	rVV	111257	204281	8.85%	0.996%
52	15.947	1473	1475	1477	rVV	126655	180202	7.81%	0.879%
53	16.006	1477	1481	1484	rVV2	140550	263213	11.40%	1.284%
54	16.075	1486	1488	1490	rVV2	23474	39093	1.69%	0.191%
55	16.115	1490	1492	1494	rVV3	21609	35714	1.55%	0.174%
56	16.184	1497	1499	1502	rVV	160144	224934	9.75%	1.097%
57	16.243	1502	1505	1507	rVV	193707	269879	11.69%	1.316%
58	16.371	1515	1518	1520	rVV	58523	66542	2.88%	0.325%
59	16.518	1526	1533	1536	rBV	228133	321181	13.92%	1.566%
60	16.637	1543	1545	1548	rVB	21549	30023	1.30%	0.146%
61	16.745	1553	1556	1559	rBV	60639	72673	3.15%	0.354%

Sum of corrected areas: 20505420

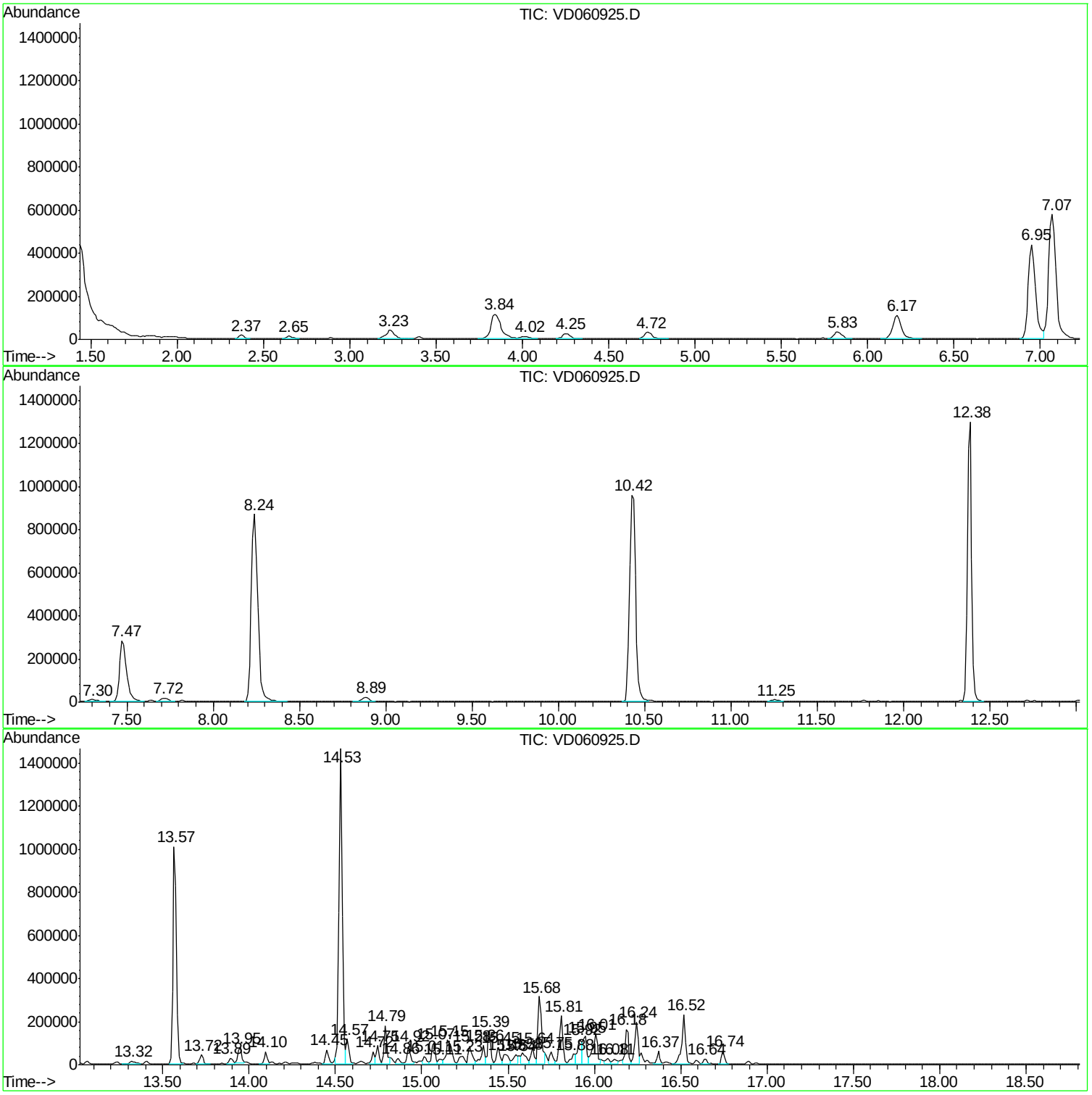
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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 : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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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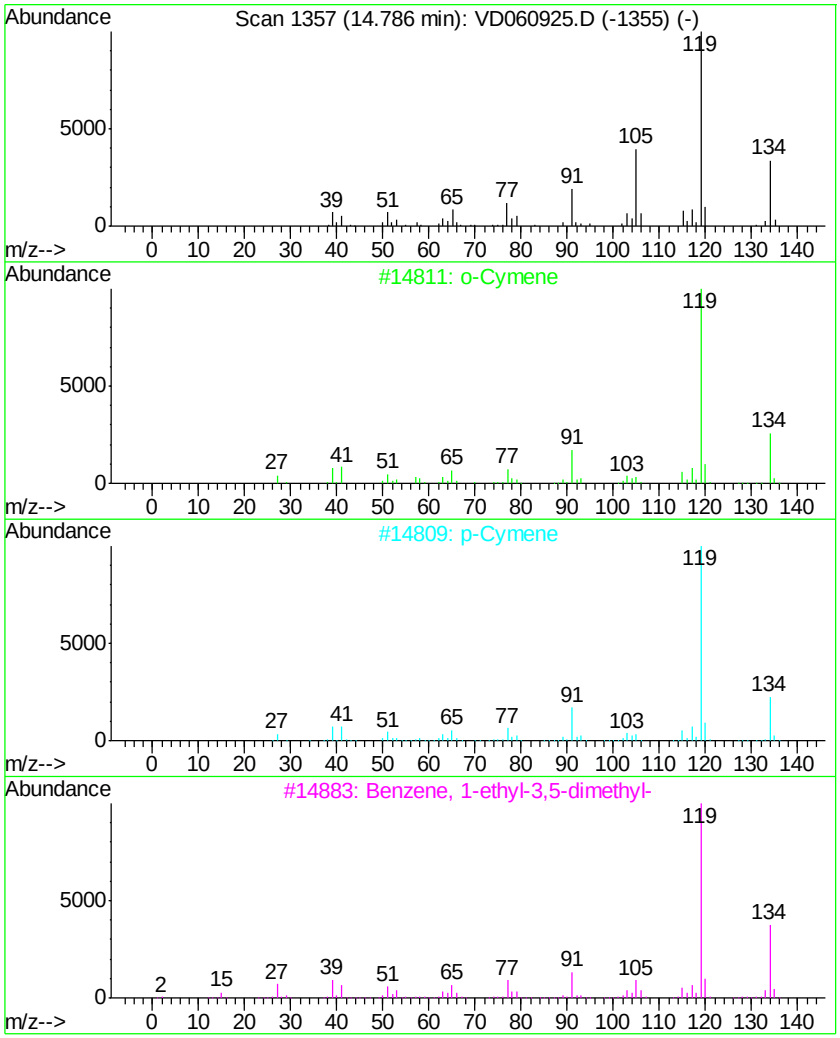
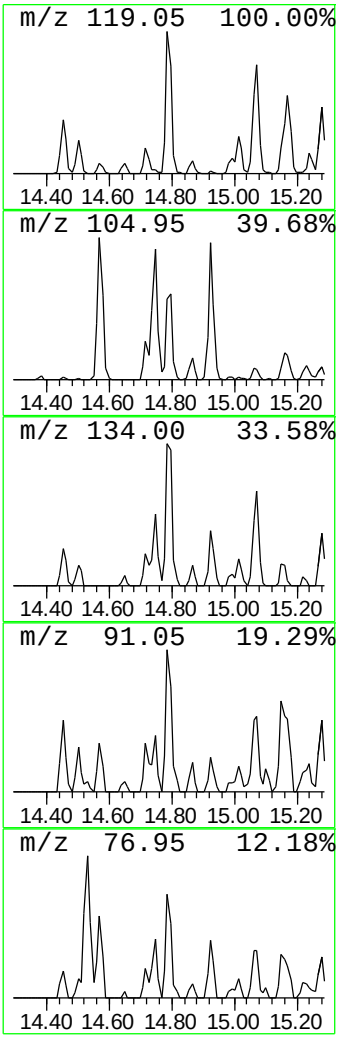
Peak Number 2 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	6.57 ug/l	239393	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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

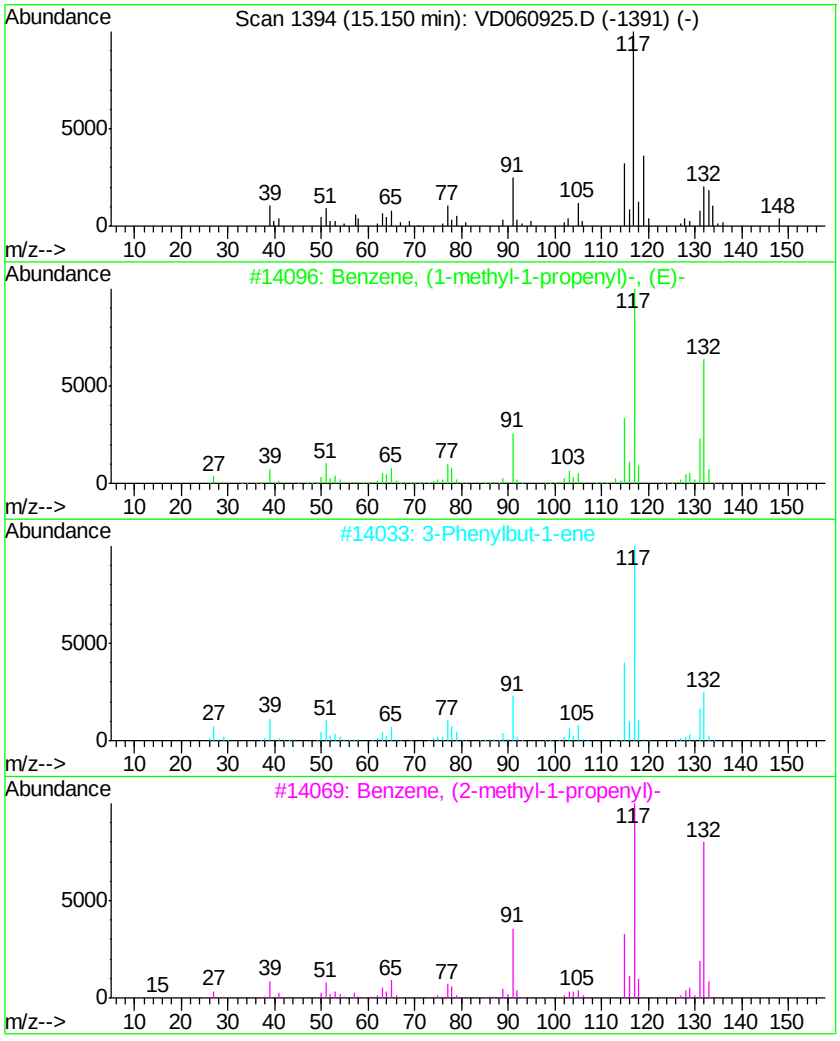
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

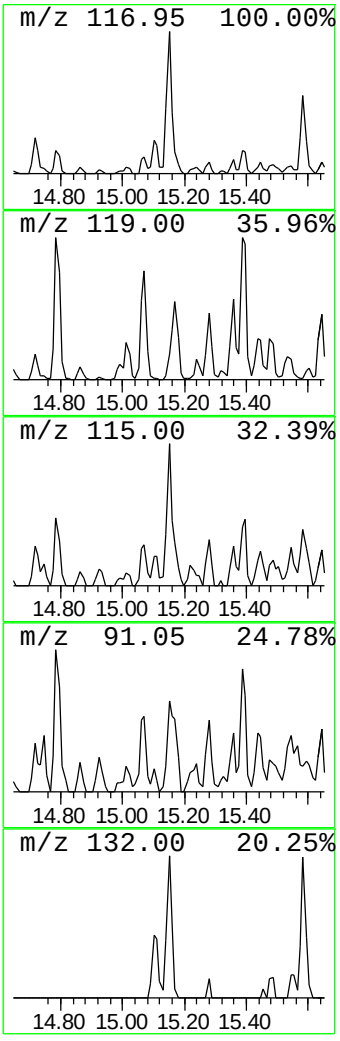
****

Peak Number 3 Benzene, (1-methyl-1-propen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	6.35 ug/l	231169	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	76
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	68
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
5	Indan, 1-methyl-	132	C10H12	000767-58-8	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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

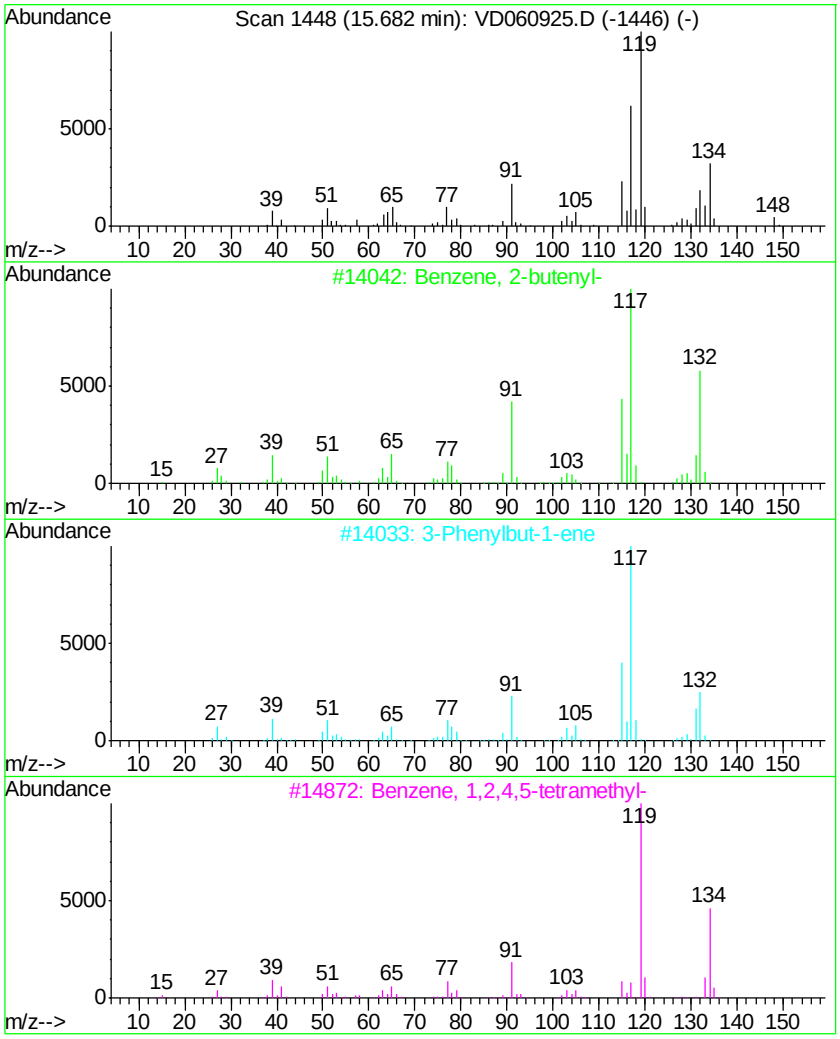
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

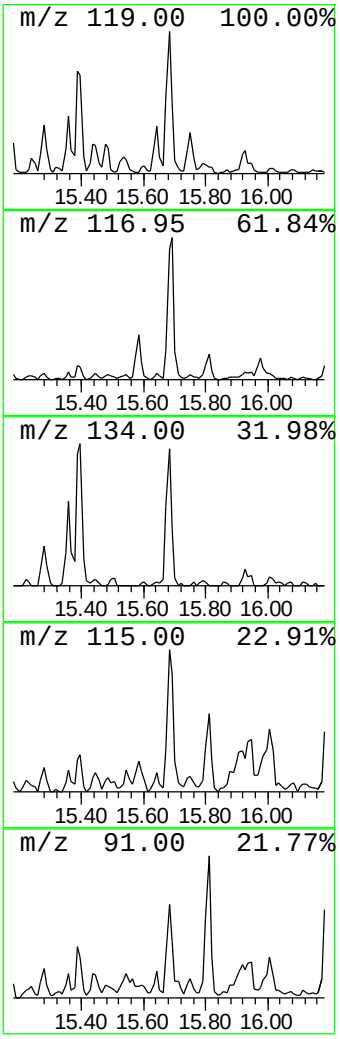
****

Peak Number 4 Benzene, 2-butenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	12.63 ug/l	459916	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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

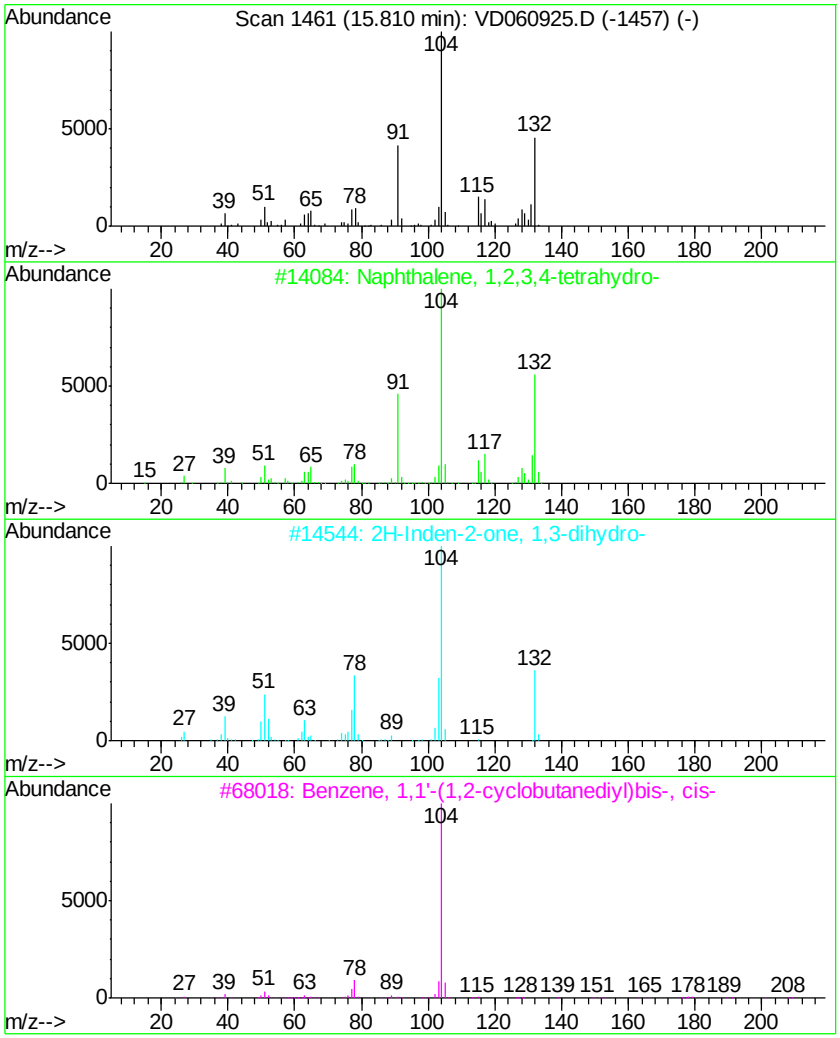
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

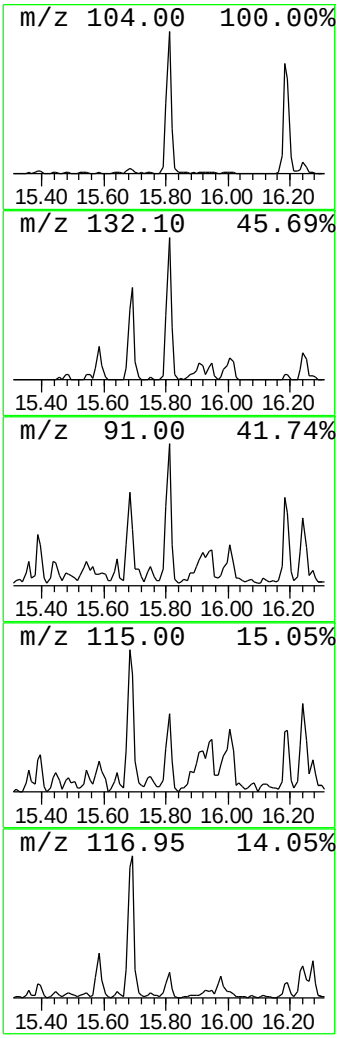
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	7.99 ug/l	290846	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	40
3	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	38
4	2-Propenoic acid, 2-phenylethyl ...	176	C11H12O2	003530-36-7	38
5	Pentafluoropropionic acid, 2-phe...	268	C11H9F5O2	081089-48-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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

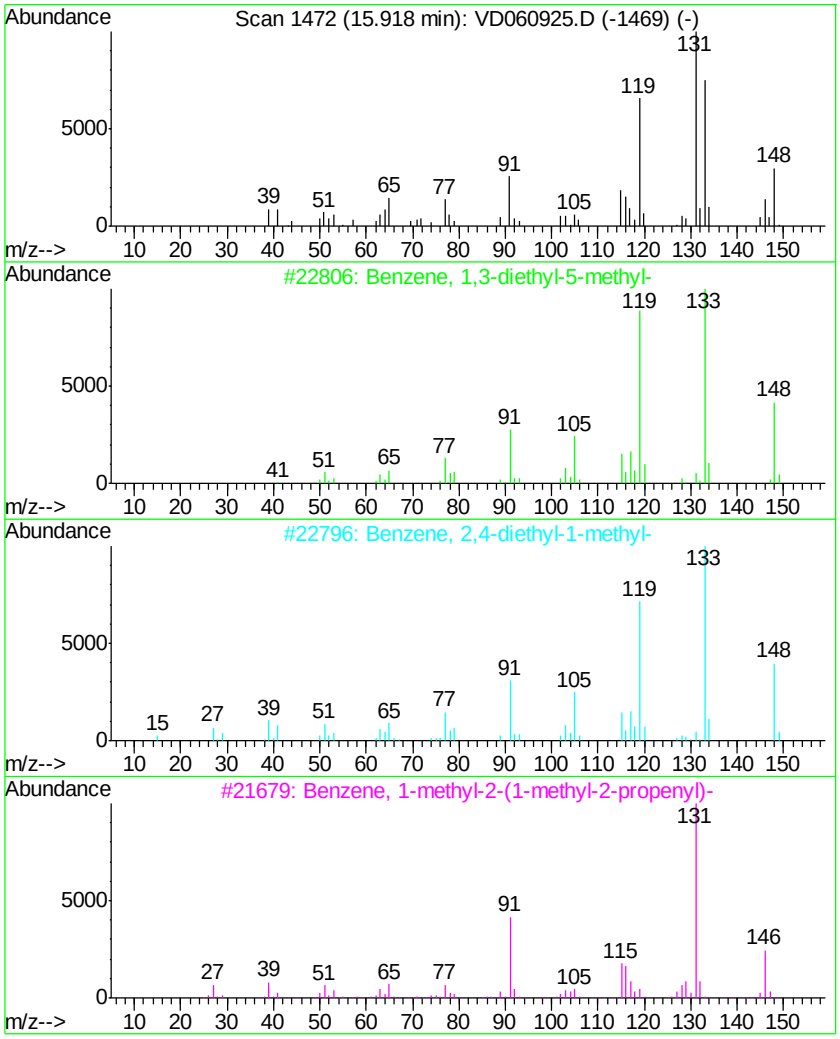
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

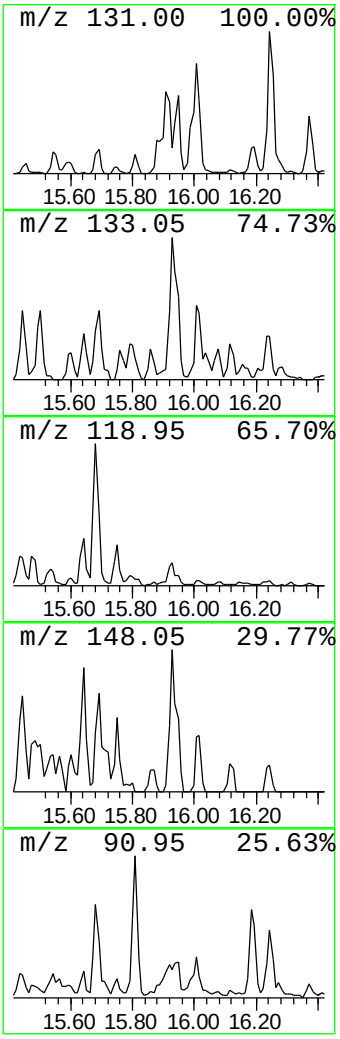
****

Peak Number 6 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	5.61 ug/l	204281	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	46
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	46
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	46
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	46





Library Search Compound Report

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Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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

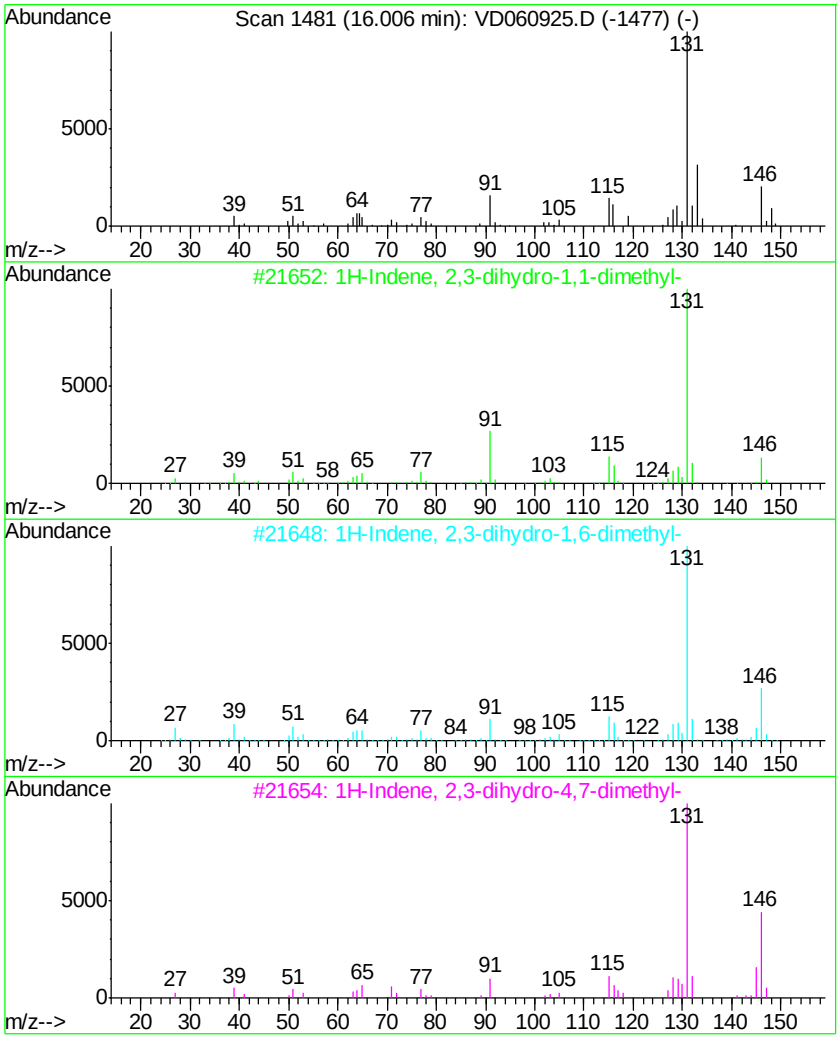
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

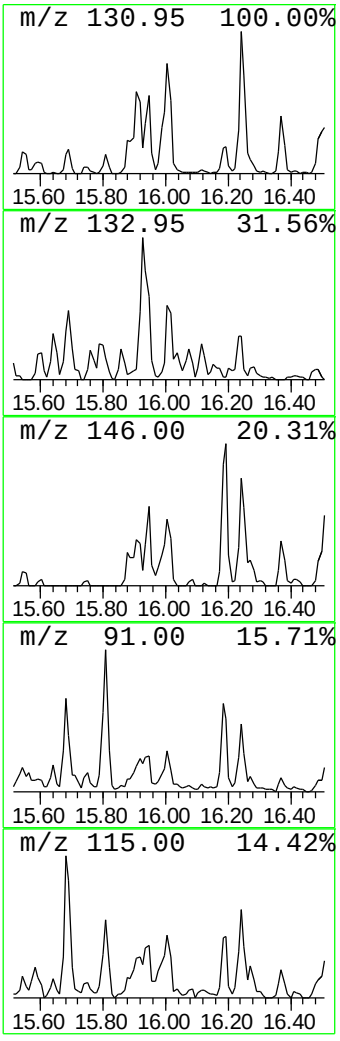
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	7.23 ug/l	263213	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
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	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

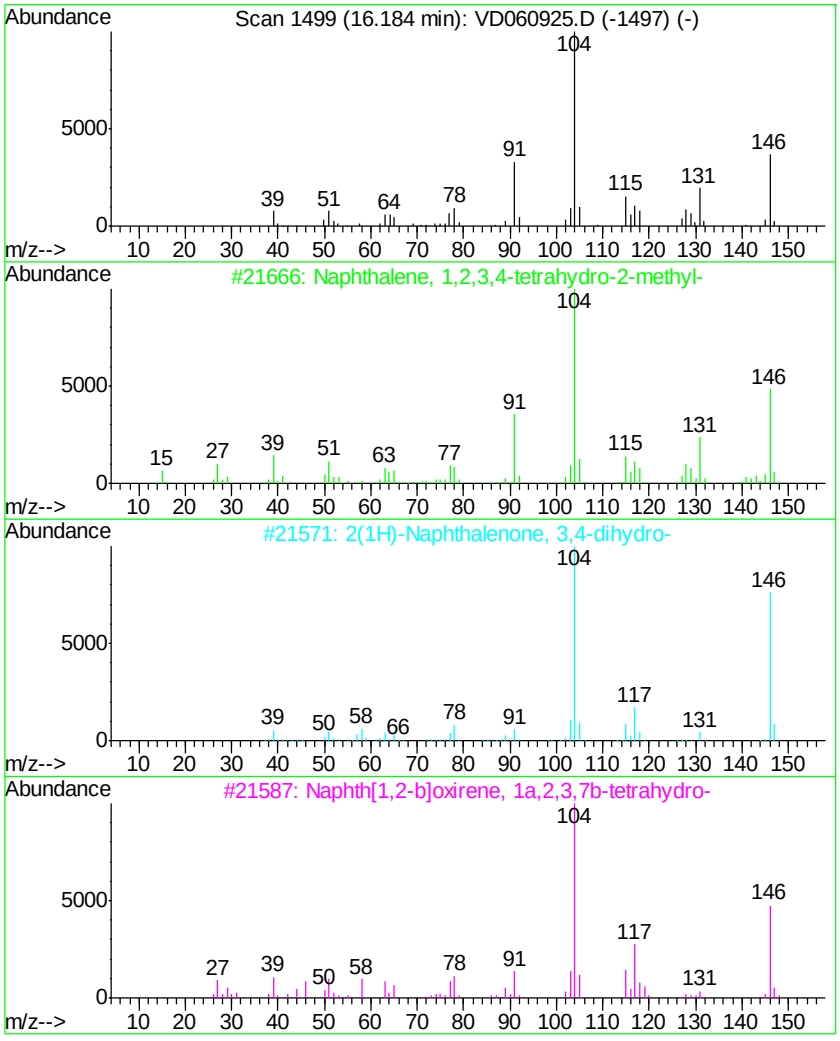
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260

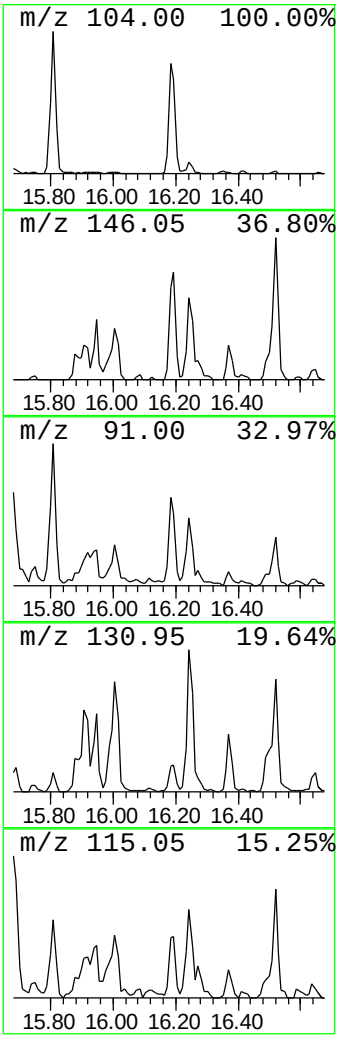
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	6.18 ug/l	224934	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	53
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	47
5	2-Propenoic acid, 3-phenyl-, 2-p...	252	C17H16O2	000103-53-7	47





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Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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

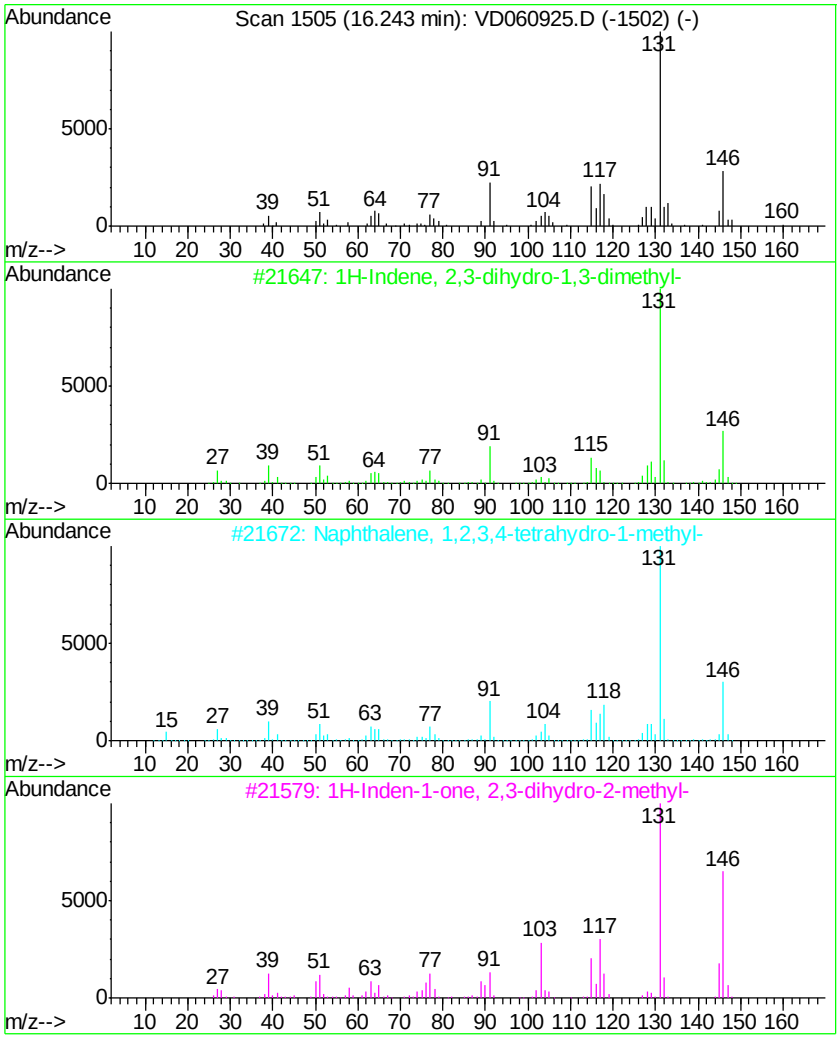
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

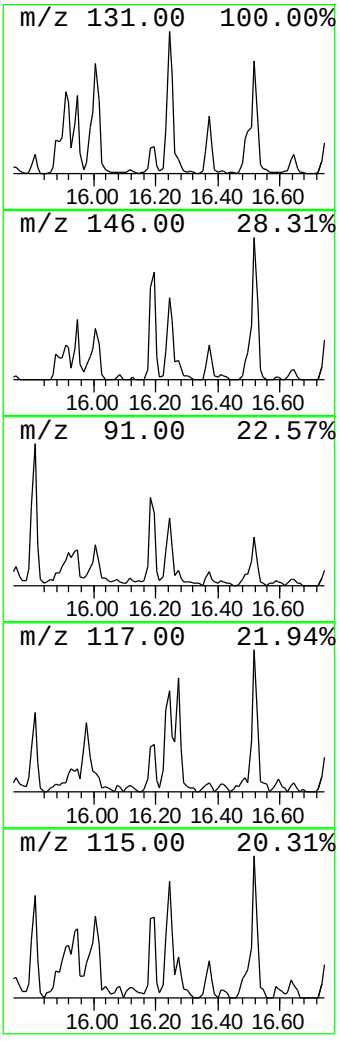
****

Peak Number 9 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	7.41 ug/l	269879	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	93
3	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	87
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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

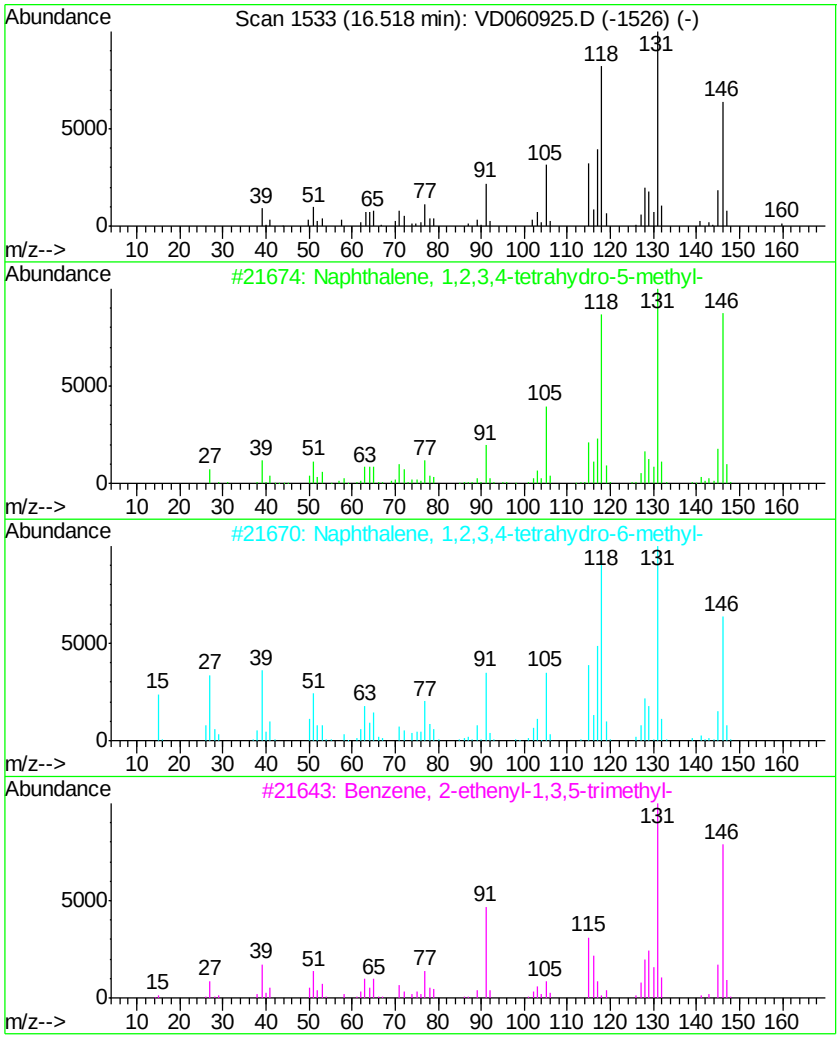
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

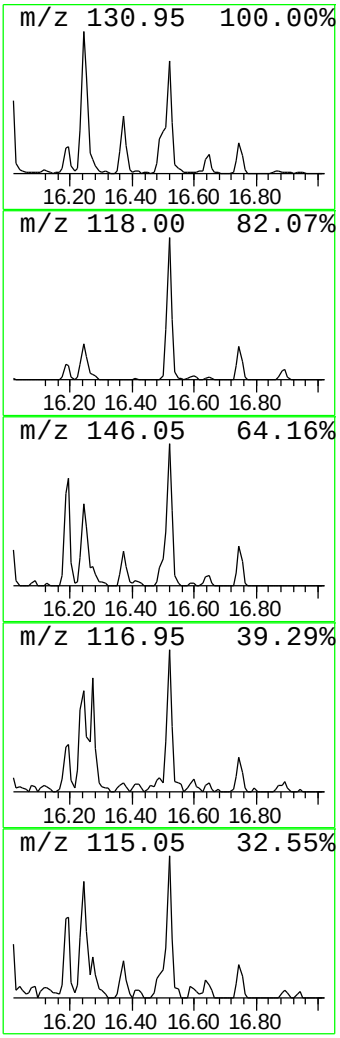
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	8.82 ug/l	321181	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	78
4	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	60
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030419\
Data File : VD060925.D
Acq On : 4 Mar 2019 15:59
Operator : VA/AP
Sample : K1670-02
Misc : 7.21g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

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

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	6.6	ug/l	239393	4	14.53	1820750	50.0
Benzene, (1-methy...	15.15	6.3	ug/l	231169	4	14.53	1820750	50.0
Benzene, 2-butenyl-	15.68	12.6	ug/l	459916	4	14.53	1820750	50.0
Naphthalene, 1,2,...	15.81	8.0	ug/l	290846	4	14.53	1820750	50.0
Benzene, 1,3-diet...	15.92	5.6	ug/l	204281	4	14.53	1820750	50.0
1H-Indene, 2,3-di...	16.01	7.2	ug/l	263213	4	14.53	1820750	50.0
Naphthalene, 1,2,...	16.18	6.2	ug/l	224934	4	14.53	1820750	50.0
1H-Indene, 2,3-di...	16.24	7.4	ug/l	269879	4	14.53	1820750	50.0
Naphthalene, 1,2,...	16.52	8.8	ug/l	321181	4	14.53	1820750	50.0