LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

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\82D110618S.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	1.857	31	34	45	rVB	51159	104524	2.50%	0.325%
2	3.166	162	167	176	rBV	16019	56669	1.35%	0.176%
3	3.737	219	225	239	rBV	130232	385033	9.20%	1.196%
4	4.534	299	306	317	rVB3	24606	75033	1.79%	0.233%
5	6.423	491	498	518	rBV	1236893	3346122	79.92%	10.397%
6	6.807	532	537	545	rVB	25936	62306	1.49%	0.194%
7	7.457	597	603	621	rBV	1740427	4186770	100.00%	13.010%
8	9.562	812	817	826	rVB	363583	761342	18.18%	2.366%
9	10.202	876	882	887	rBV	24359	54783	1.31%	0.170%
10	11.294	989	993	1005	rBV	2612157	4182661	99.90%	12.997%
11	12.279	1089	1093	1098	rBV	1237021	1902553	45.44%	5.912%
12	12.525	1115	1118	1121	rVV	124560	214611	5.13%	0.667%
13	12.574	1121	1123	1128	rVB2	57186	111193	2.66%	0.346%
14	12.800	1140	1146	1147	rBV4	16161	45295	1.08%	0.141%
15	12.849	1147	1151	1158	rVB	573172	863395	20.62%	2.683%
16	13.105	1175	1177	1182	rVB2	40313	58131	1.39%	0.181%
17	13.312	1194	1198	1202	rBV2	63261	135261	3.23%	0.420%
18	13.381	1202	1205	1213	rVB	2729779	3471456	82.91%	10.787%
19	13.637	1229	1231	1232	rBV	40917	50616	1.21%	0.157%
20	13.745	1239	1242	1246	rBV4	42446	98037	2.34%	0.305%
21	13.883	1252	1256	1258	rBV2	52394	112181	2.68%	0.349%
22	13.912	1258	1259	1263	rVB2	50267	52149	1.25%	0.162%
23	13.971	1263	1265	1272	rVB5	93570	221694	5.30%	0.689%
24	14.089	1272	1277	1279	rBV2	59773	105291	2.51%	0.327%
25	14.138	1279	1282	1283	rBV3	87299	122086	2.92%	0.379%
26	14.168	1283	1285	1287	rBV2	120778	165128	3.94%	0.513%
27	14.227	1290	1291	1293	rVB	45266	52184	1.25%	0.162%
28	14.286	1293	1297	1299	rVB4	92972	160217	3.83%	0.498%
29	14.325	1299	1301	1303	rBV3	60150	102887	2.46%	0.320%
30	14.434	1310	1312	1316	rBV4	50382	128636	3.07%	0.400%
31	14.483	1316	1317	1319	rVV2	43942	64087	1.53%	0.199%
32	14.532	1319	1322	1326	rVV3	188138	435204	10.39%	1.352%
33	14.591	1326	1328	1332	rVV	394936	643127	15.36%	1.998%
34	14.660	1332	1335	1337	rVB3	148265	252785	6.04%	0.785%

LSC Area Percent Report

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Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

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\82D110618S.M
Title : SW846 8260

35	14.778	1342	1347	1349	rVV4	171792	610769	14.59%	1.898%
36	14.847	1349	1354	1356	rVV4	203753	617287	14.74%	1.918%
37	14.896	1356	1359	1360	rVV3	223271	425533	10.16%	1.322%
38	14.926	1360	1362	1364	rVV2	258323	410990	9.82%	1.277%
39	14.995	1366	1369	1375	rVV3	558654	1415449	33.81%	4.398%
40	15.083	1375	1378	1383	rVV4	281528	857614	20.48%	2.665%
41	15.152	1383	1385	1386	rVV2	158484	266608	6.37%	0.828%
42	15.211	1389	1391	1392	rVV	222494	326147	7.79%	1.013%
43	15.241	1392	1394	1395	rVV	214377	328696	7.85%	1.021%
44	15.270	1395	1397	1401	rVV3	209639	596374	14.24%	1.853%
45	15.339	1401	1404	1405	rVV3	211037	463997	11.08%	1.442%
46	15.359	1405	1406	1409	rVV	275931	408263	9.75%	1.269%
47	15.428	1411	1413	1416	rVV3	170983	378857	9.05%	1.177%
48	15.477	1416	1418	1421	rVV2	136655	328042	7.84%	1.019%
49	15.585	1425	1429	1432	rVV	249051	530264	12.67%	1.648%
50	15.634	1432	1434	1438	rVV4	105266	234625	5.60%	0.729%
51	15.693	1438	1440	1442	rVV	135361	229054	5.47%	0.712%
52	15.733	1442	1444	1447	rVV	133427	244013	5.83%	0.758%
53	15.782	1447	1449	1455	rVB3	81560	205373	4.91%	0.638%
54	15.920	1460	1463	1466	rVB	309021	460396	11.00%	1.431%
55	16.323	1500	1504	1508	rVB5	23460	60280	1.44%	0.187%

Sum of corrected areas: 32182078

LSC Report - Integrated Chromatogram

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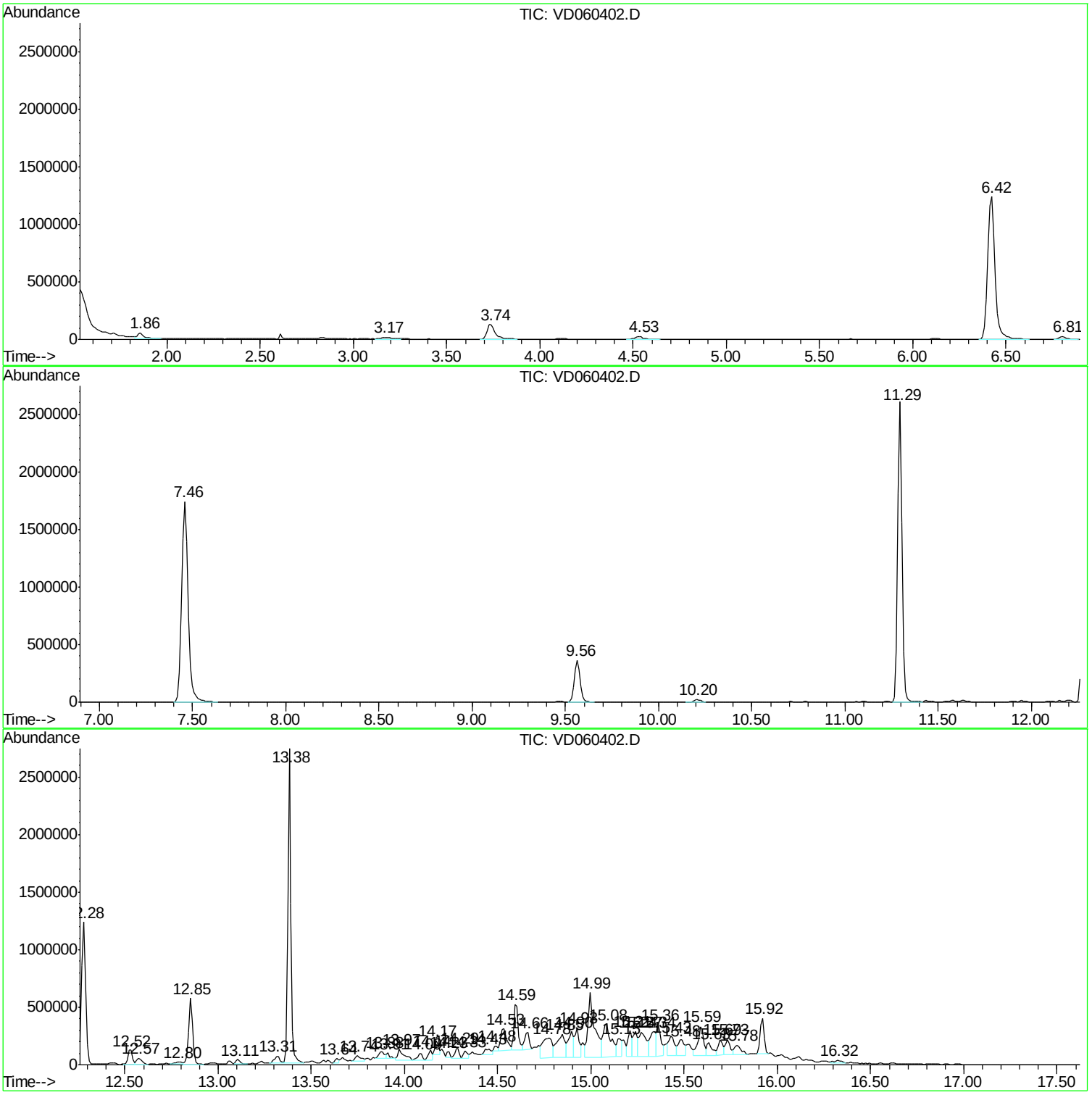
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.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\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

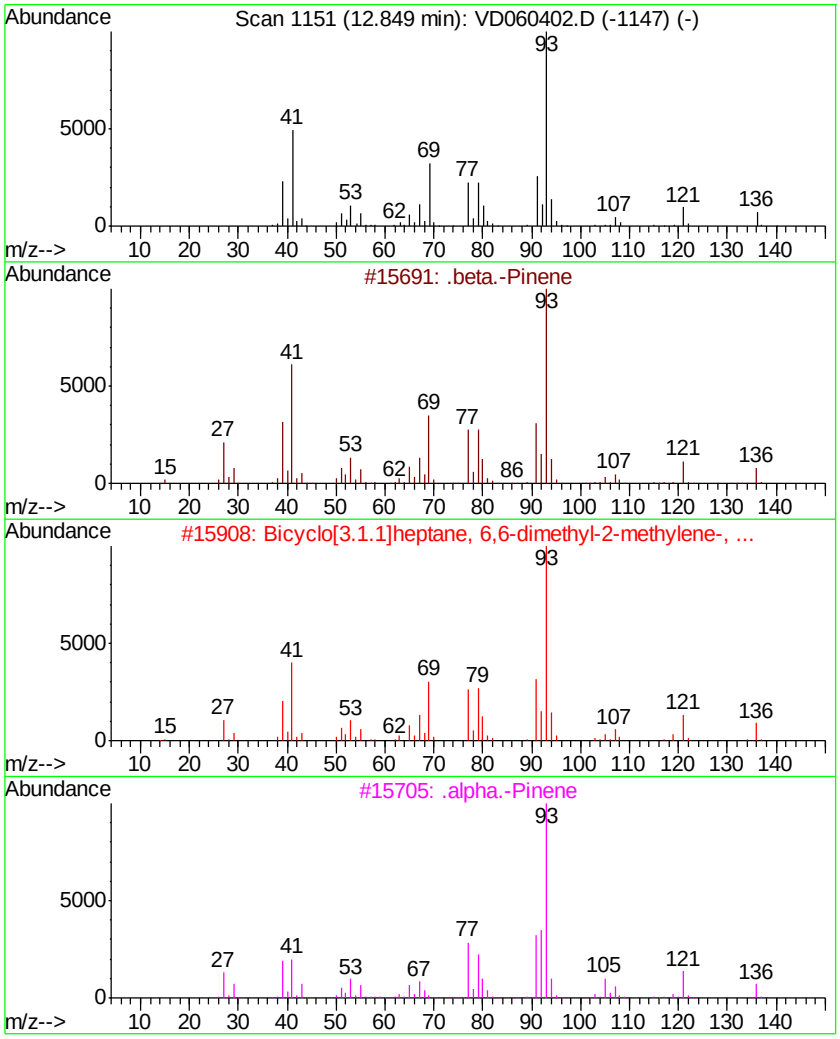
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

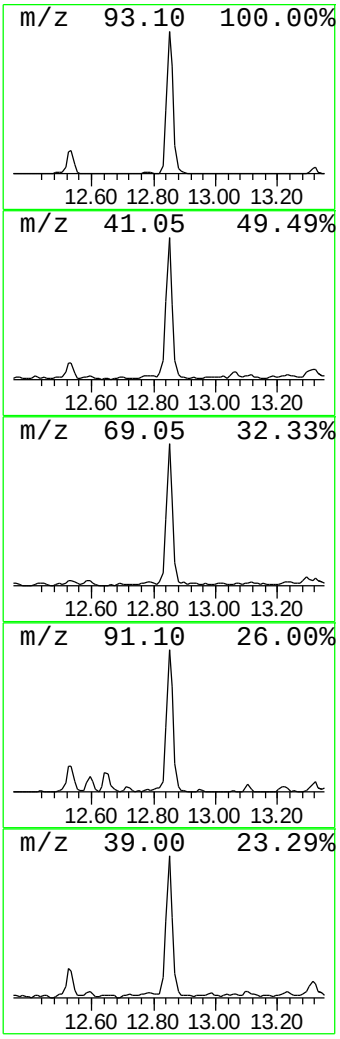
****

Peak Number 1 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	12.44 ug/l	863395	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	97
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	97
3	.alpha.-Pinene	136	C10H16	000080-56-8	87
4	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	83
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

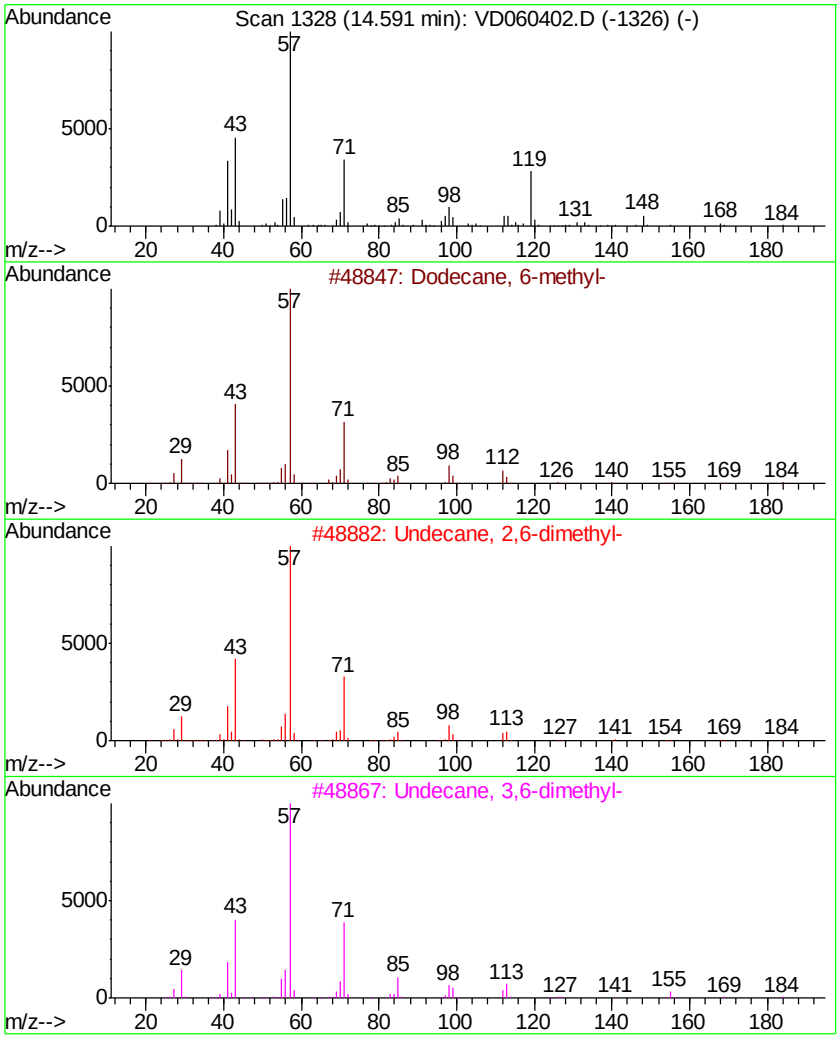
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

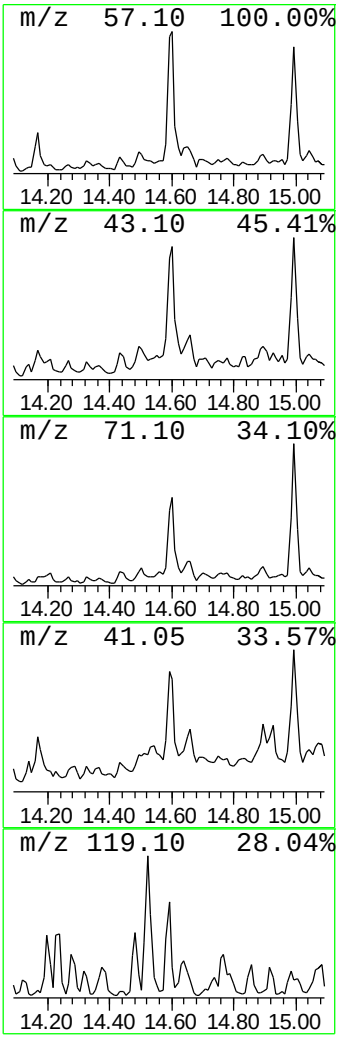
****

Peak Number 2 Dodecane, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	9.26 ug/l	643127	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	93
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	47
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

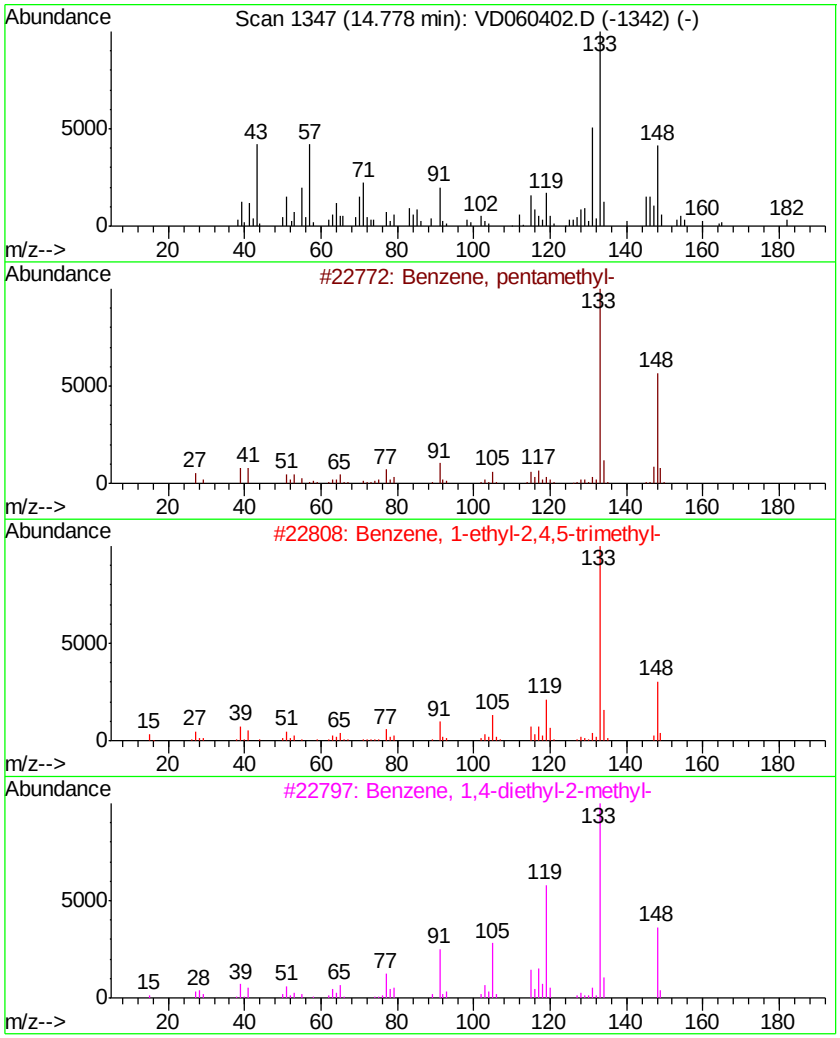
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

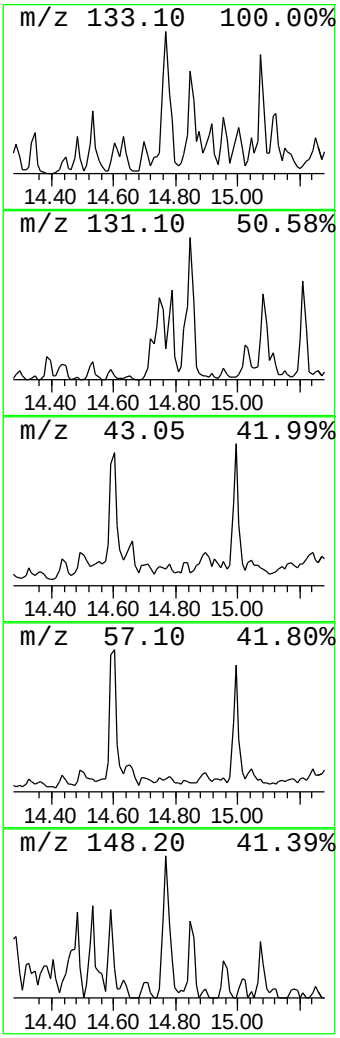
****

Peak Number 3 Benzene, pentamethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	8.80 ug/l	610769	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	46
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46
5	Pyrazine, 2,5-dimethyl-3-(1-prop...	148	C9H12N2	055138-73-3	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

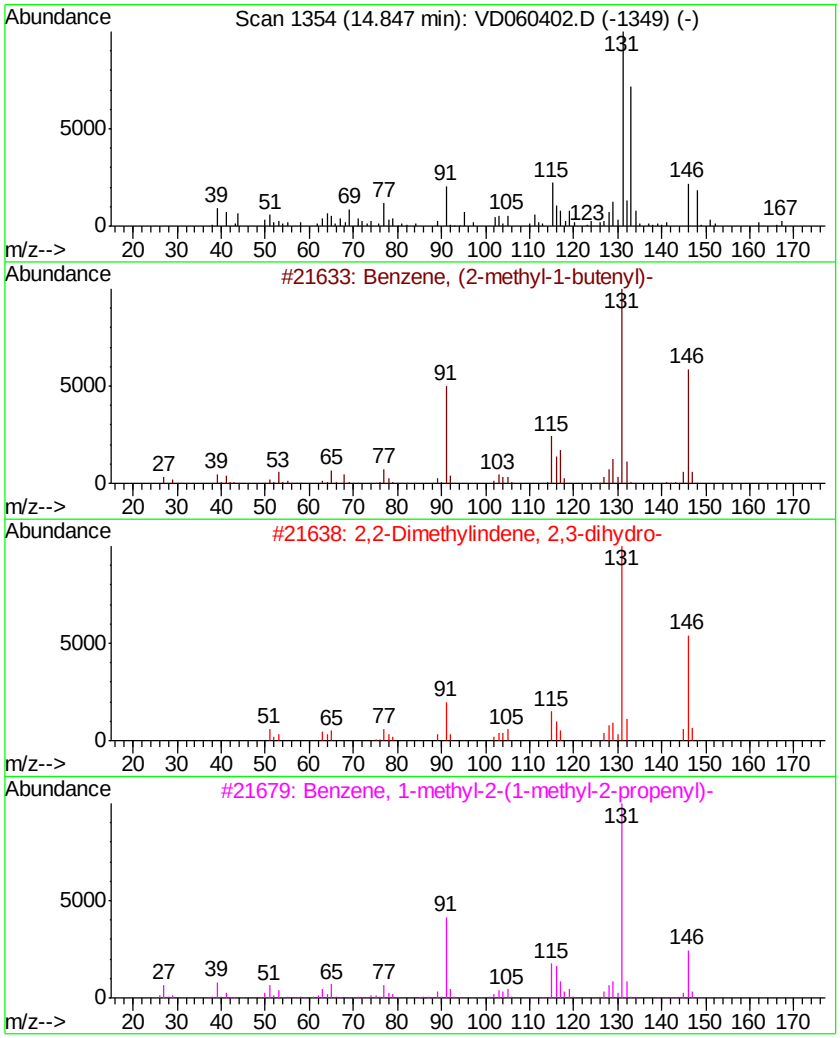
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

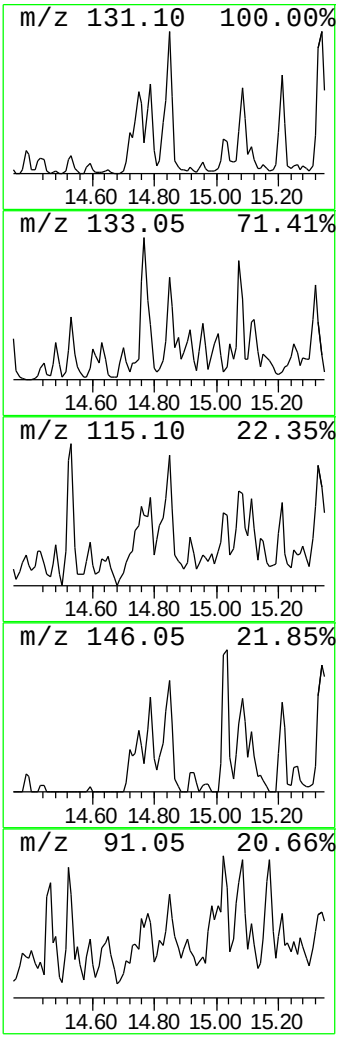
****

Peak Number 4 Benzene, (2-methyl-1-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	8.89 ug/l	617287	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	62
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58





Library Search Compound Report

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Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

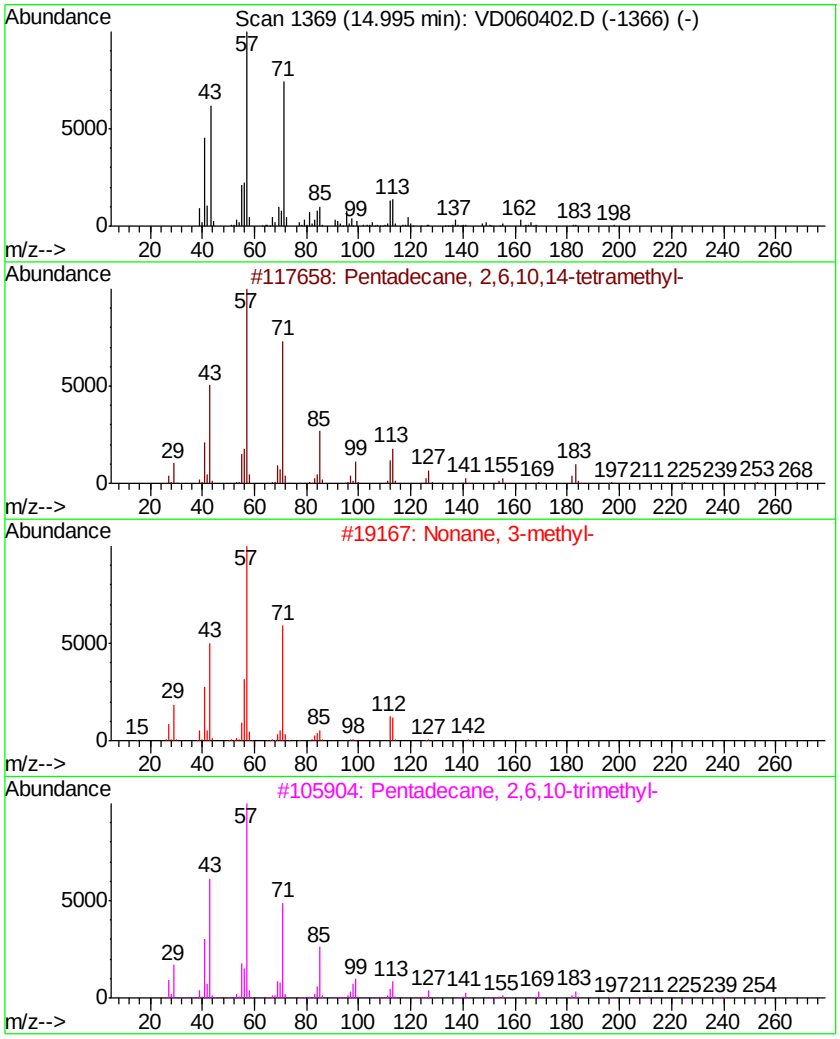
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

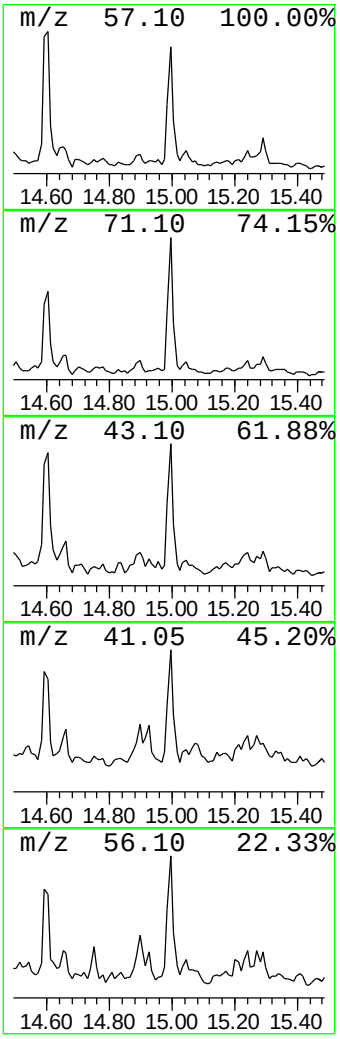
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	20.39 ug/l	1415450	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
4	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64
5	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	64





Library Search Compound Report

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Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

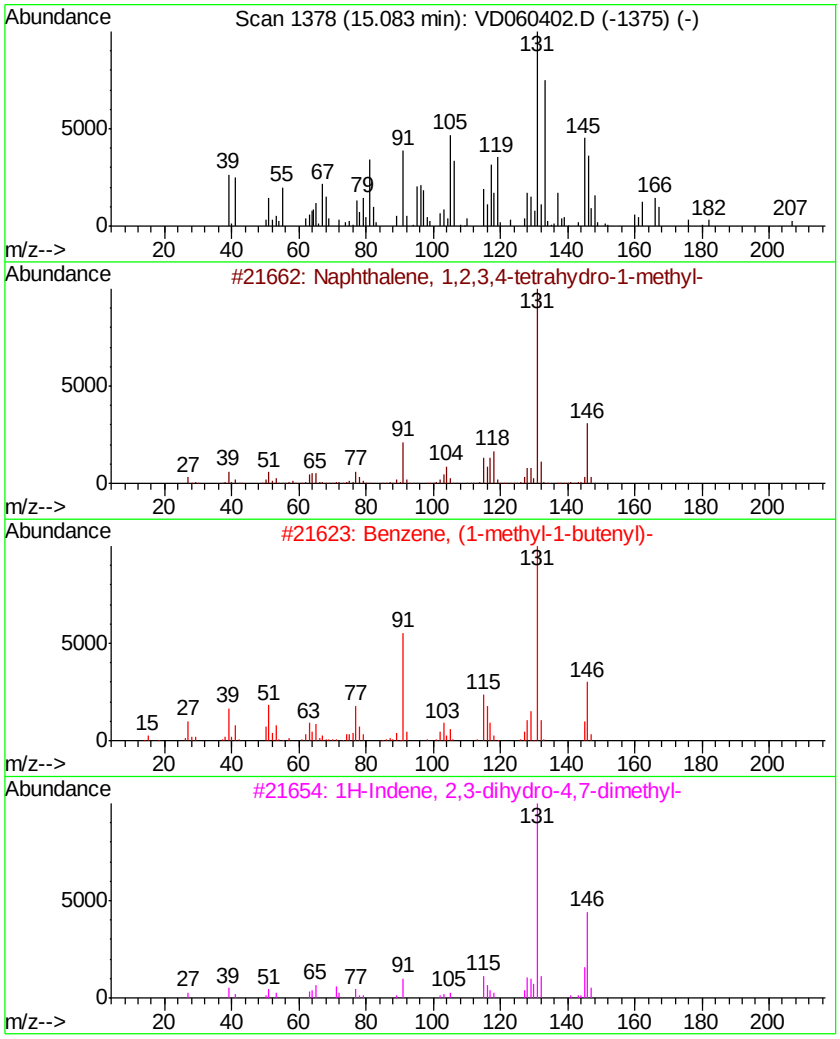
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

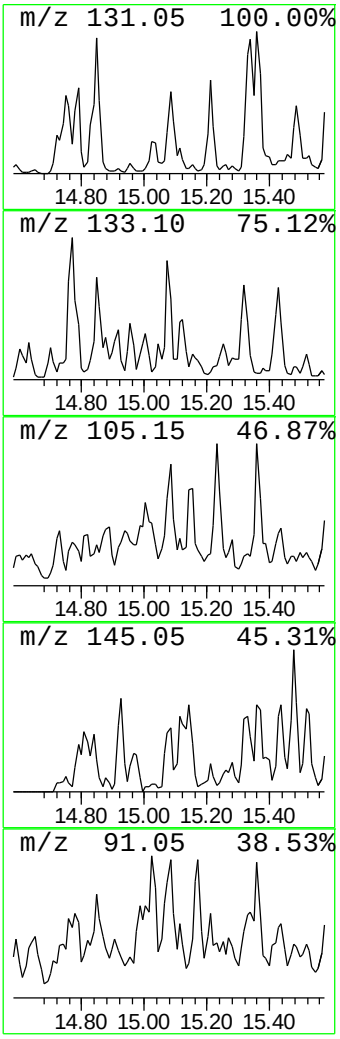
****

Peak Number 6 unknown15.08 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	12.35 ug/l	857614	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	38
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	38
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	35
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

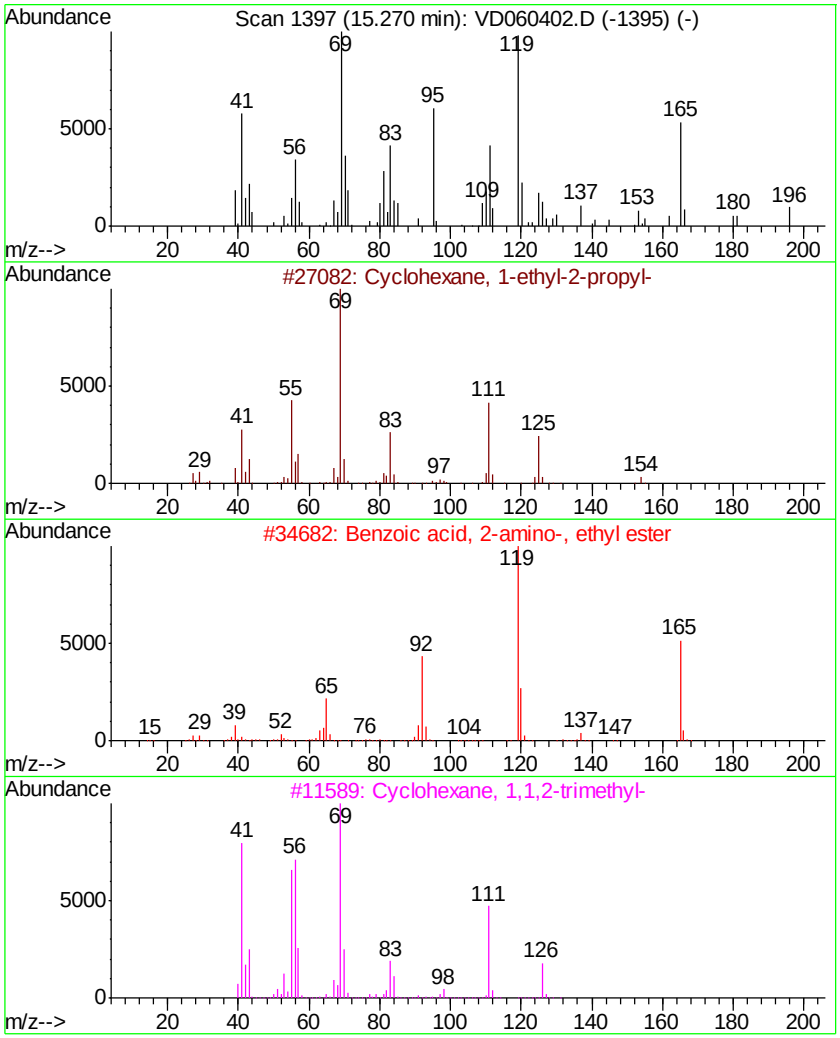
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

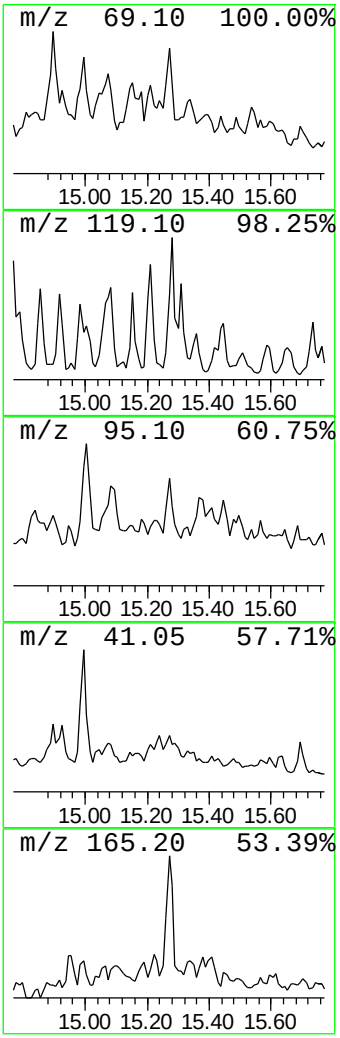
****

Peak Number 7 unknown15.27 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	8.59 ug/l	596374	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	27
2	Benzoic acid, 2-amino-, ethyl ester	165	C9H11NO2	000087-25-2	27
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	25
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	22
5	3-Tetradecene, (E)-	196	C14H28	041446-68-8	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

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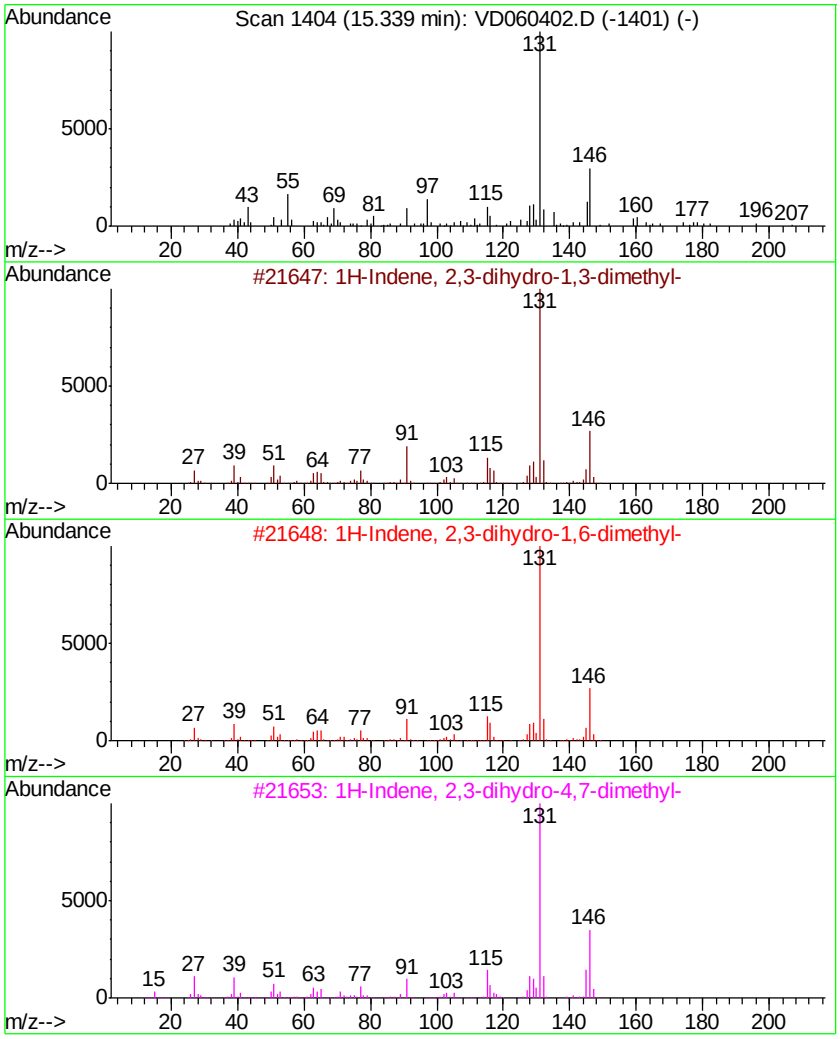
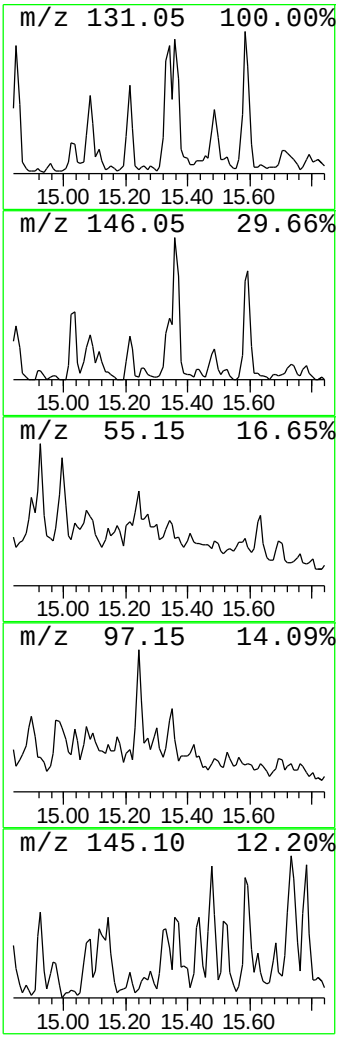
Peak Number 8 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.68 ug/l	463997	1,4-Dichlorobenzene-d4	13.38

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	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	72
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

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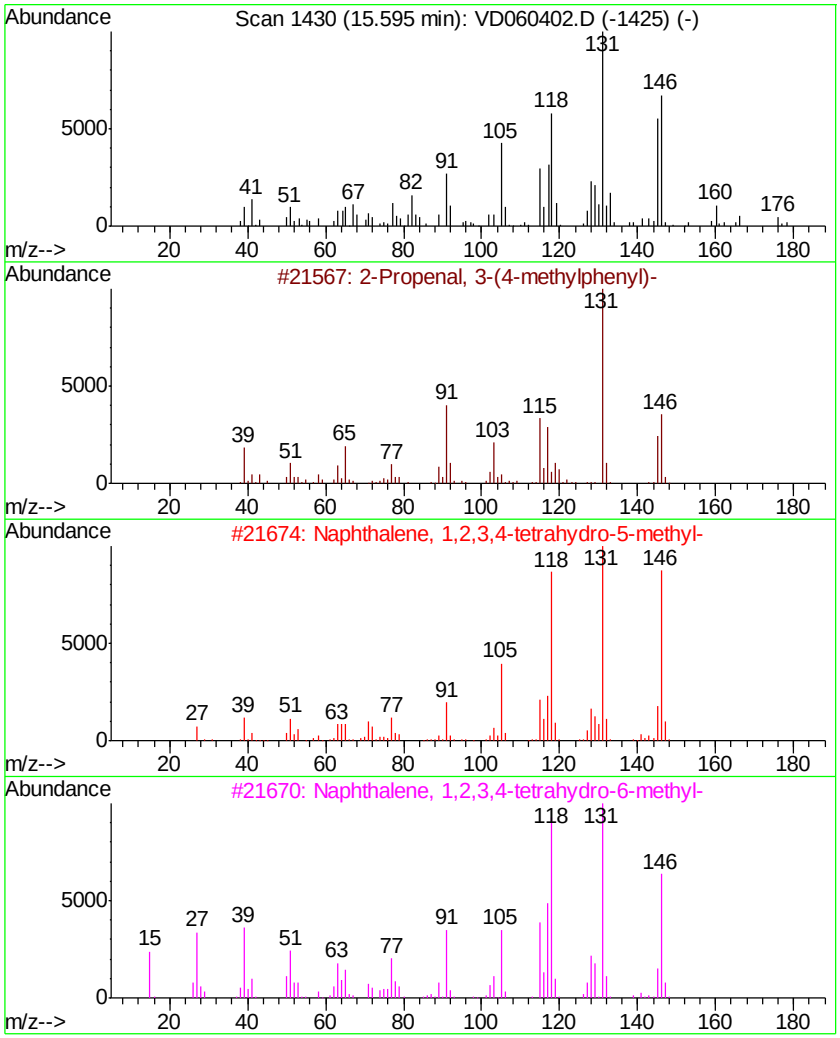
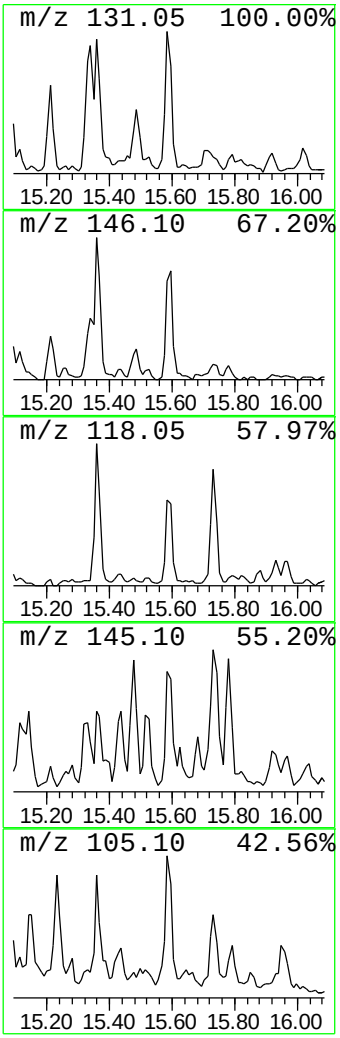
Peak Number 9 2-Propenal, 3-(4-methylphen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	7.64 ug/l	530264	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
4	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	49
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260

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

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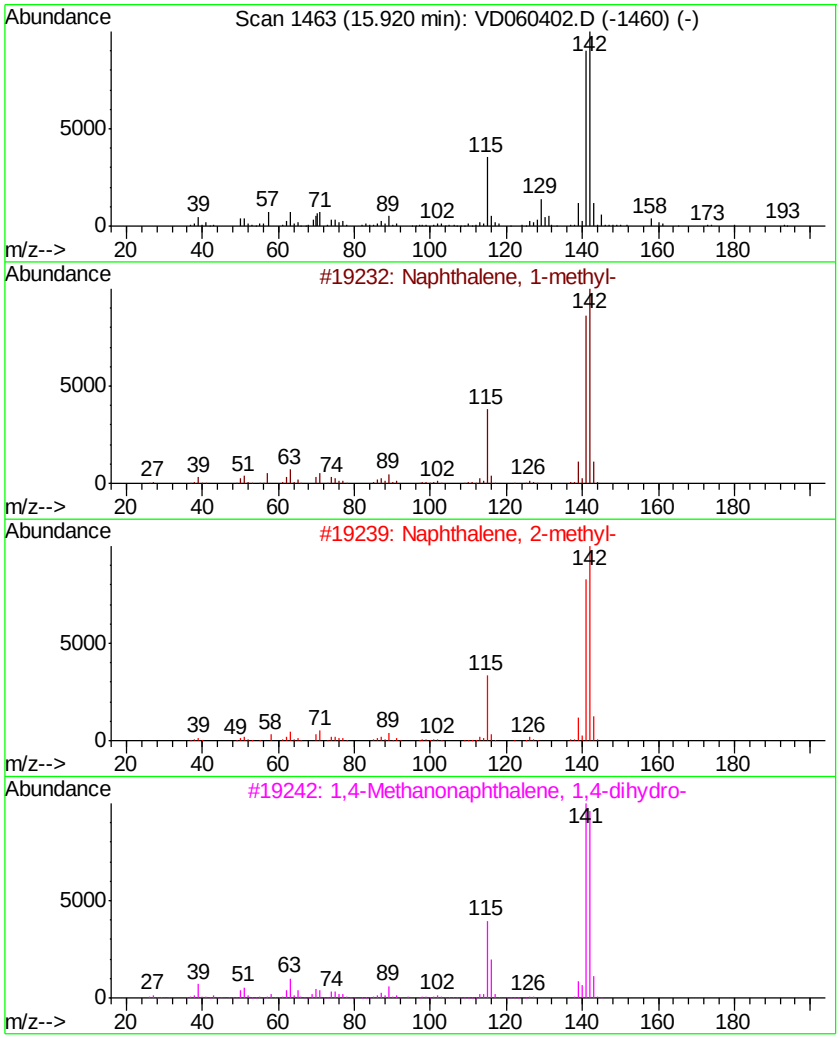
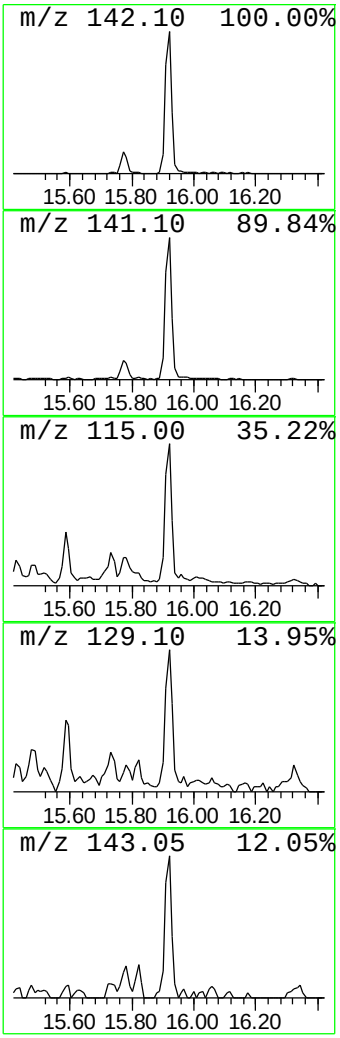
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	6.63 ug/l	460396	1,4-Dichlorobenzene-d4	13.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
4	Benzocycloheptatriene	142	C11H10	000264-09-5	81
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
Data File : VD060402.D
Acq On : 16 Nov 2018 17:07
Operator : JC/SY
Sample : J5964-04
Misc : 6.52g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LR-RBR-200029

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.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
.beta.-Pinene	12.85	12.4	ug/l	863395	4	13.38	3471460	50.0
Dodecane, 6-methyl-	14.59	9.3	ug/l	643127	4	13.38	3471460	50.0
Benzene, pentamet...	14.78	8.8	ug/l	610769	4	13.38	3471460	50.0
Benzene, (2-methy...	14.85	8.9	ug/l	617287	4	13.38	3471460	50.0
Pentadecane, 2,6,...	14.99	20.4	ug/l	1415450	4	13.38	3471460	50.0
unknown15.08	15.08	12.4	ug/l	857614	4	13.38	3471460	50.0
unknown15.27	15.27	8.6	ug/l	596374	4	13.38	3471460	50.0
1H-Indene, 2,3-di...	15.34	6.7	ug/l	463997	4	13.38	3471460	50.0
2-Propenal, 3-(4-...	15.59	7.6	ug/l	530264	4	13.38	3471460	50.0
Naphthalene, 1-me...	15.92	6.6	ug/l	460396	4	13.38	3471460	50.0