LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
Data File : VD060446.D
Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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	3.166	161	167	174	rBV3	17865	64162	1.55%	0.255%
2	3.717	219	223	237	rVB2	37996	122337	2.95%	0.486%
3	6.325	480	488	492	rBV	517645	1389436	33.47%	5.519%
4	6.403	492	496	515	rVB	1024552	2668566	64.29%	10.600%
5	6.787	529	535	549	rBV	580571	1452252	34.99%	5.769%
6	7.437	595	601	615	rBV	1292506	3102126	74.73%	12.322%
7	9.454	800	806	813	rBV	1917880	4150981	100.00%	16.488%
8	9.543	813	815	824	rVB	71684	150323	3.62%	0.597%
9	10.251	883	887	892	rVB	70657	134666	3.24%	0.535%
10	10.773	937	940	944	rBV	24931	48941	1.18%	0.194%
11	11.284	988	992	998	rBV	1512961	2444237	58.88%	9.709%
12	11.432	1004	1007	1013	rVB2	29831	70396	1.70%	0.280%
13	11.560	1013	1020	1022	rVV	89377	196121	4.72%	0.779%
14	11.629	1025	1027	1033	rVB2	64376	127336	3.07%	0.506%
15	11.895	1049	1054	1056	rBV3	53448	127873	3.08%	0.508%
16	11.934	1056	1058	1061	rVB	72057	91867	2.21%	0.365%
17	12.101	1069	1075	1078	rBV3	74536	191633	4.62%	0.761%
18	12.190	1078	1084	1090	rBV4	88263	249282	6.01%	0.990%
19	12.278	1090	1093	1096	rVB	50188	82044	1.98%	0.326%
20	12.347	1096	1100	1103	rBV4	50086	114874	2.77%	0.456%
21	12.426	1103	1108	1112	rBV	1134116	1571530	37.86%	6.242%
22	12.485	1112	1114	1116	rVB2	36201	47673	1.15%	0.189%
23	12.524	1116	1118	1120	rBV3	33996	52471	1.26%	0.208%
24	12.583	1120	1124	1128	rVB2	176824	277281	6.68%	1.101%
25	12.711	1131	1137	1139	rBV	178737	311376	7.50%	1.237%
26	12.741	1139	1140	1143	rBV2	56476	94760	2.28%	0.376%
27	12.790	1143	1145	1147	rBV	283912	358180	8.63%	1.423%
28	12.888	1152	1155	1157	rVV3	45215	89390	2.15%	0.355%
29	12.948	1157	1161	1163	rVV	122230	247819	5.97%	0.984%
30	12.977	1163	1164	1169	rVV4	61910	140127	3.38%	0.557%
31	13.056	1169	1172	1173	rVV2	70646	126718	3.05%	0.503%
32	13.095	1173	1176	1181	rVV	518688	762494	18.37%	3.029%
33	13.223	1185	1189	1193	rVV3	93847	259355	6.25%	1.030%
34	13.292	1193	1196	1199	rVV	141888	235086	5.66%	0.934%

LSC Area Percent Report

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Data File : VD060446.D
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Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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	13.371	1201	1204	1206	rVV	852655	1102929	26.57%	4.381%
36	13.410	1206	1208	1213	rVV	381836	542312	13.06%	2.154%
37	13.499	1213	1217	1220	rVV3	48840	132997	3.20%	0.528%
38	13.558	1220	1223	1224	rVV2	85687	123448	2.97%	0.490%
39	13.587	1224	1226	1228	rVV	93985	131214	3.16%	0.521%
40	13.627	1228	1230	1232	rVV	205828	276498	6.66%	1.098%
41	13.656	1232	1233	1236	rVV3	93212	137809	3.32%	0.547%
42	13.735	1239	1241	1242	rVV	52970	74656	1.80%	0.297%
43	13.764	1242	1244	1248	rVV	75574	137168	3.30%	0.545%
44	13.823	1248	1250	1251	rVV	60392	79220	1.91%	0.315%
45	13.853	1251	1253	1256	rVV	78372	124854	3.01%	0.496%
46	13.902	1256	1258	1260	rVV	107004	128569	3.10%	0.511%
47	13.941	1260	1262	1264	rVV2	30048	50505	1.22%	0.201%
48	13.991	1264	1267	1271	rVV2	108865	183351	4.42%	0.728%
49	14.060	1271	1274	1277	rVV3	22656	50654	1.22%	0.201%
50	14.119	1277	1280	1283	rVV3	42720	90055	2.17%	0.358%
51	14.187	1285	1287	1289	rVV	39596	54820	1.32%	0.218%
52	14.227	1289	1291	1294	rVB	65052	80190	1.93%	0.319%
53	14.493	1314	1318	1319	rBV2	28397	53787	1.30%	0.214%
54	14.512	1319	1320	1326	rVB2	56042	66520	1.60%	0.264%

Sum of corrected areas: 25175269

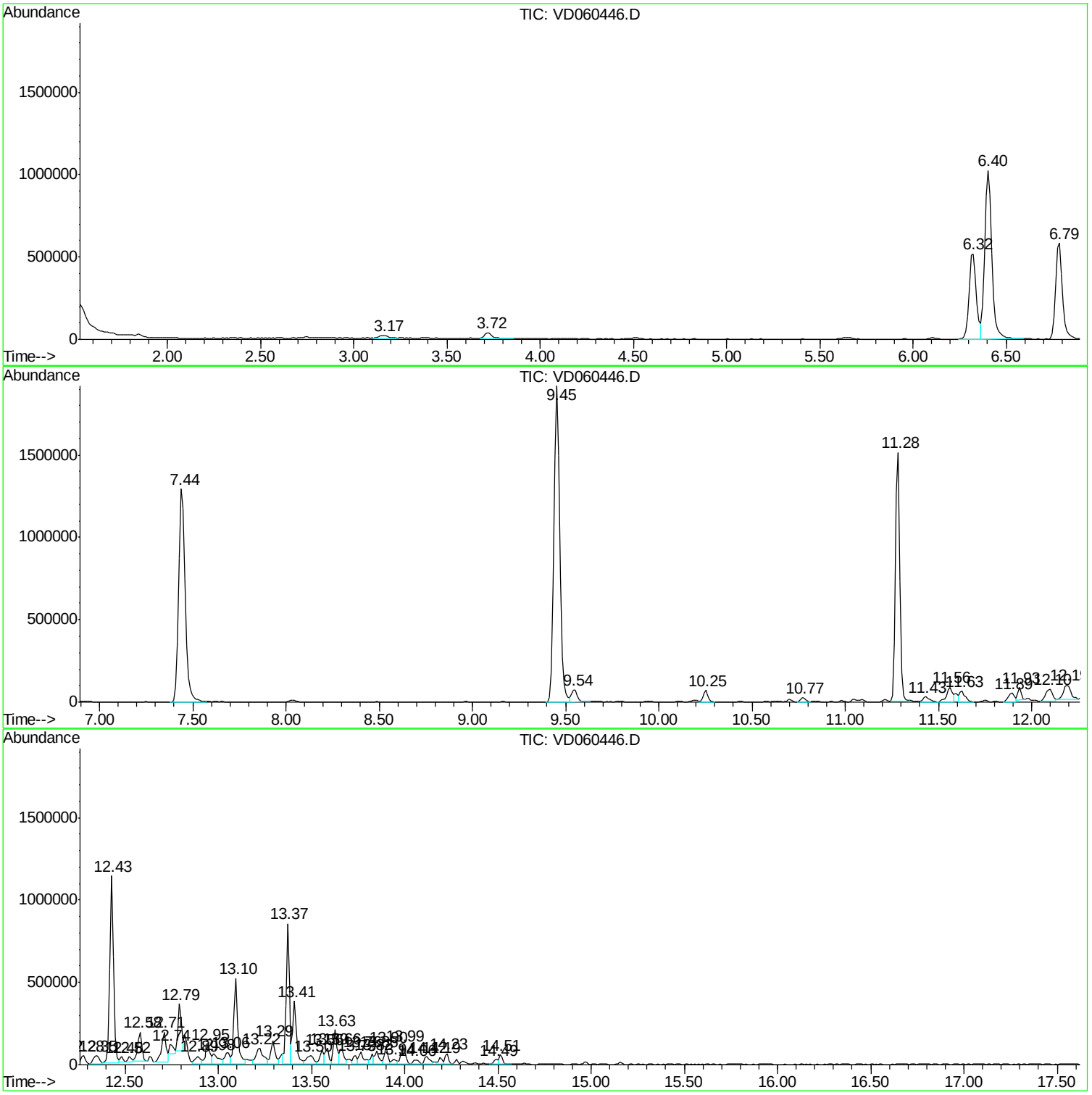
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
Data File : VD060446.D
Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-SOIL

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\VD112118\
Data File : VD060446.D
Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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

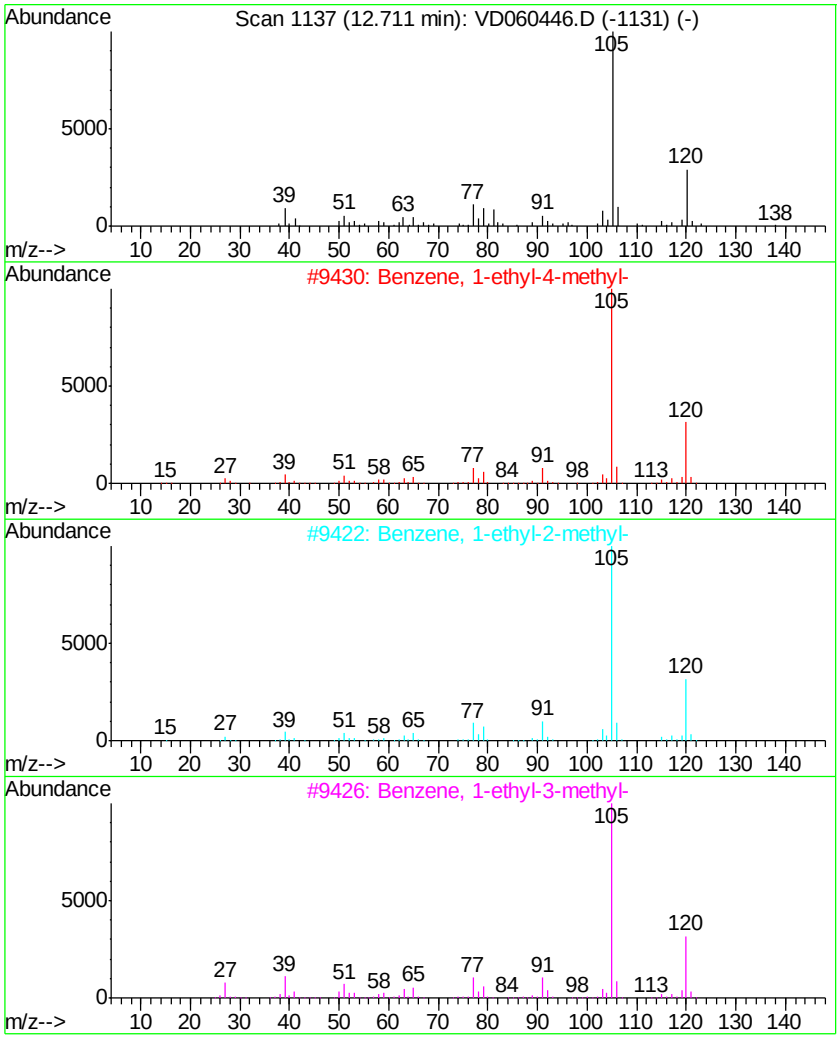
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

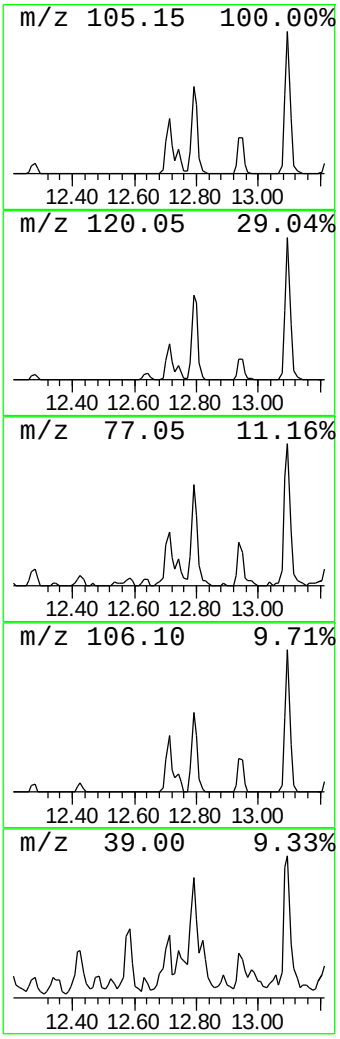
****

Peak Number 1 Benzene, 1-ethyl-4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	14.12 ug/l	311376	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
Data File : VD060446.D
Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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

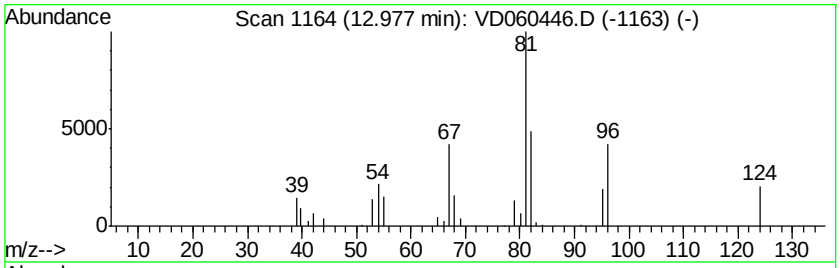
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

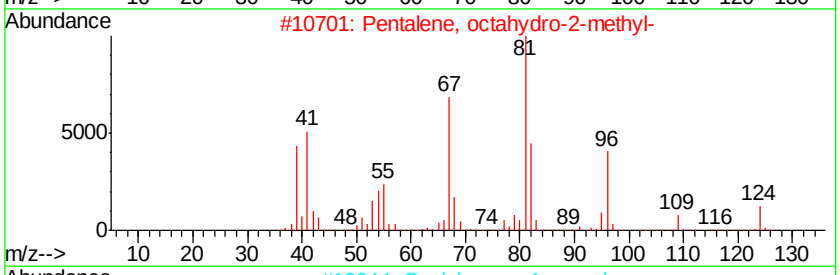
****

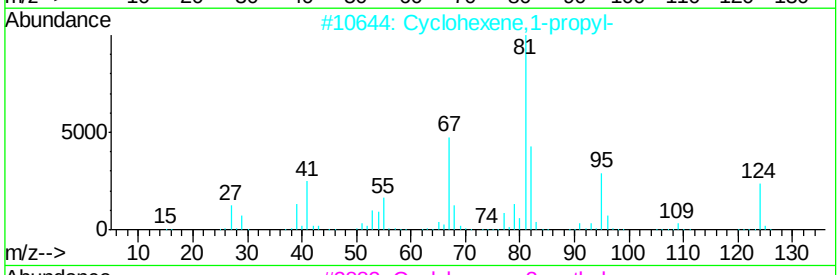
Peak Number 3 Pentalene, octahydro-2-methyl- Concentration Rank 5

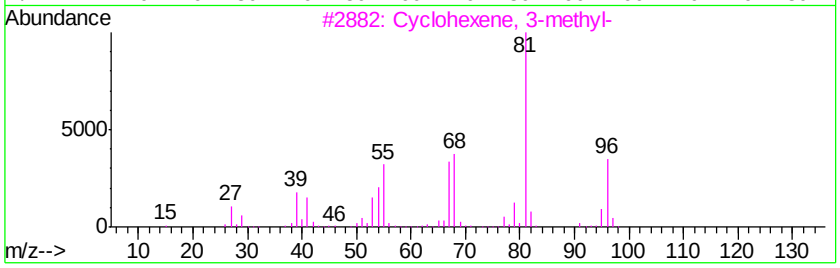
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	6.35 ug/l	140127	1,4-Dichlorobenzene-d4	13.37

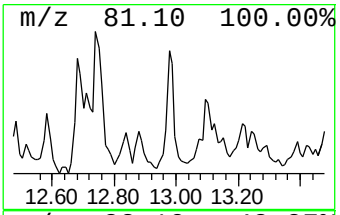
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	78
2	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	68
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	58
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
5	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	55

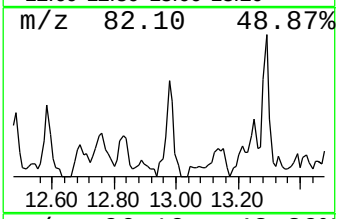


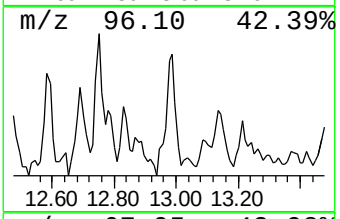


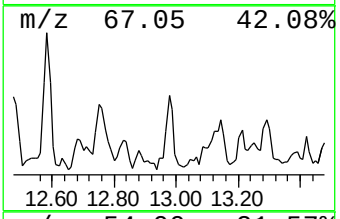


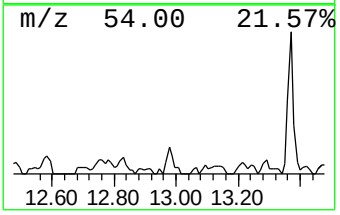












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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

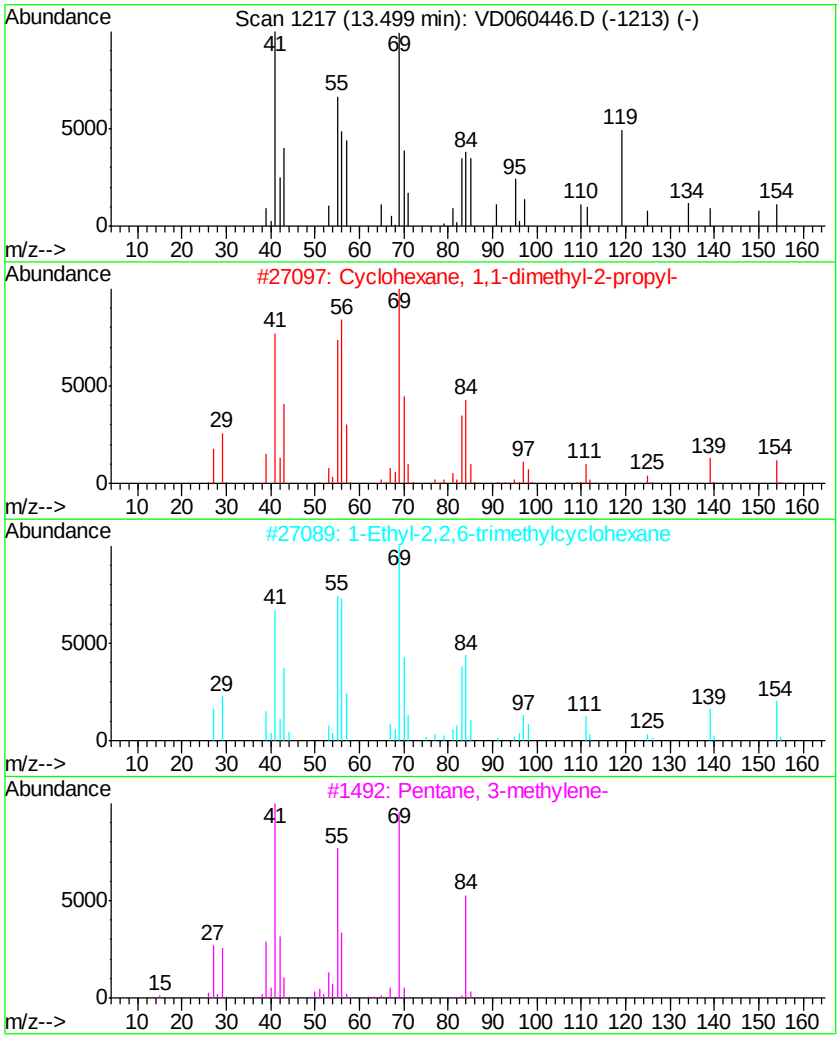
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

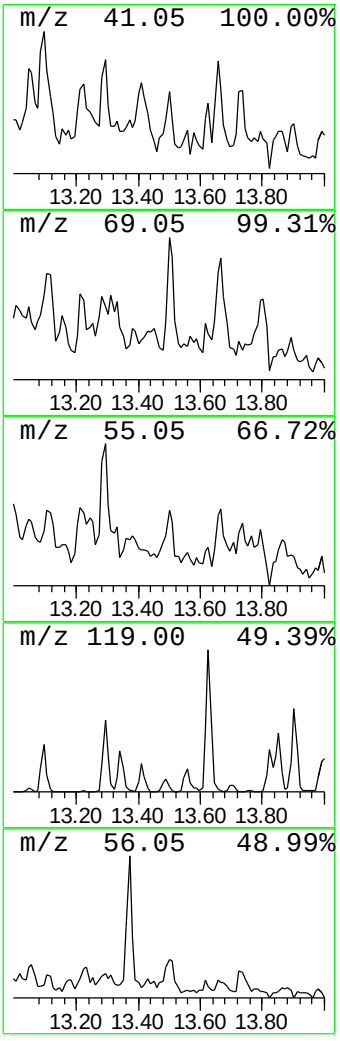
****

Peak Number 4 Cyclohexane, 1,1-dimethyl-2... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	6.03 ug/l	132997	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	70
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	70
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	30
4	Cyclopropane, 1-pentyl-2-propyl-	154	C11H22	041977-33-7	30
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	30





Library Search Compound Report

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Data File : VD060446.D
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Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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

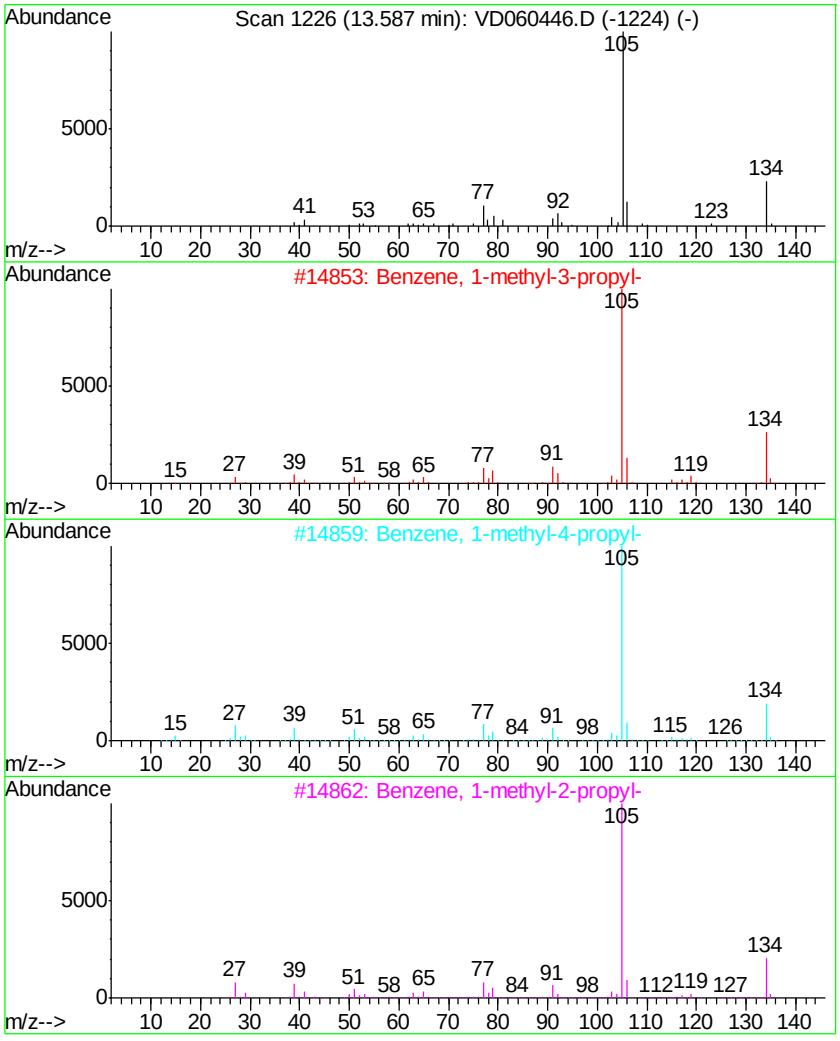
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

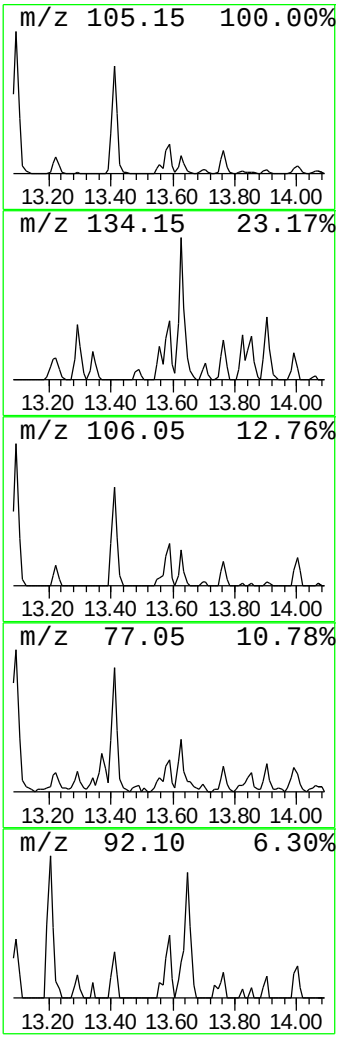
****

Peak Number 5 Benzene, 1-methyl-3-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	5.95 ug/l	131214	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
5	2-Indanol	134	C9H10O	004254-29-9	59





Library Search Compound Report

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Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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

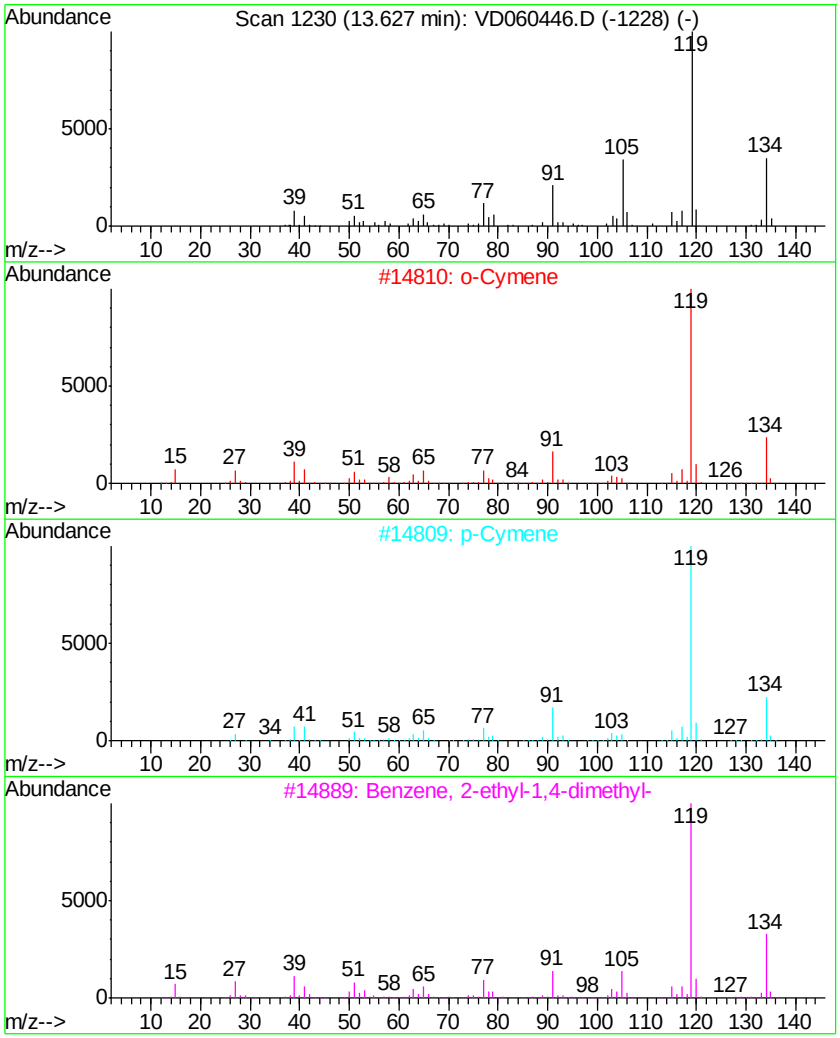
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

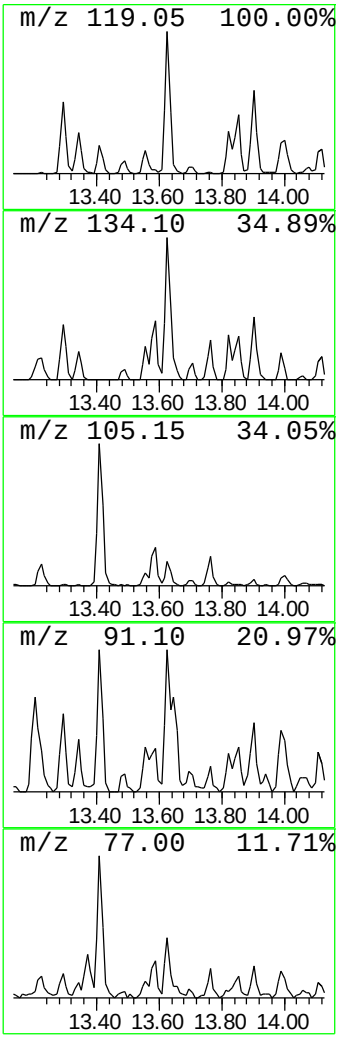
****

Peak Number 6 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	12.53 ug/l	276498	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





Library Search Compound Report

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Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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

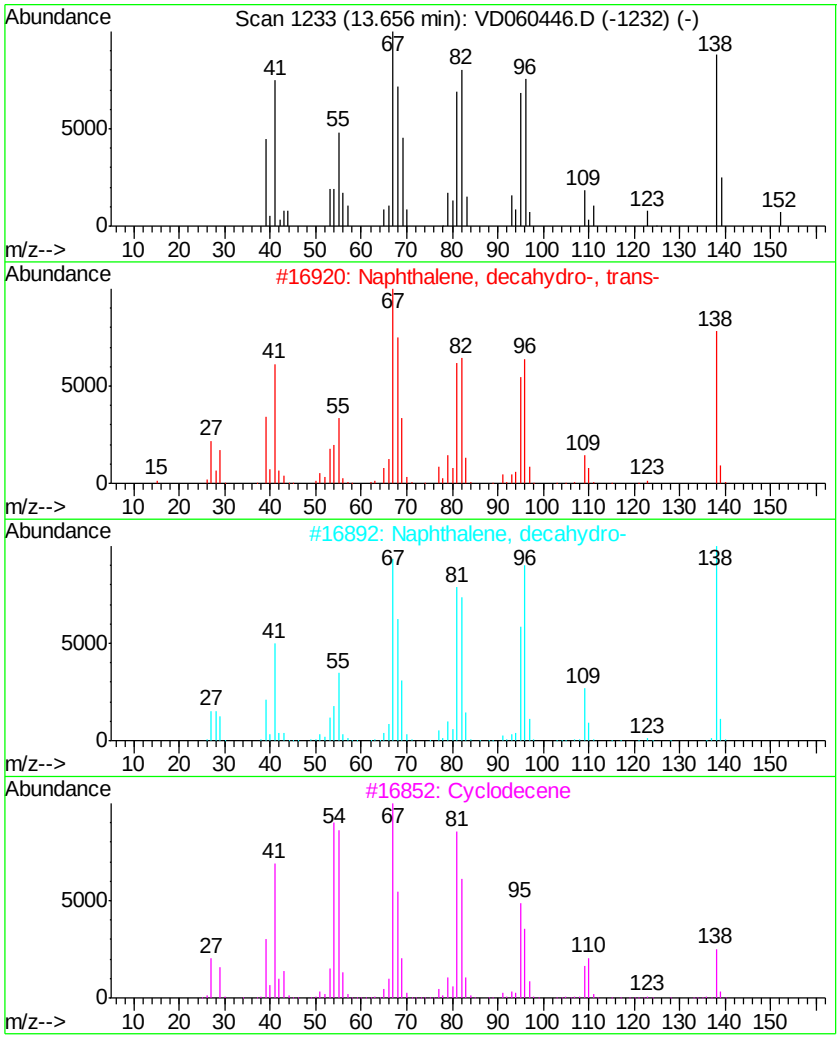
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

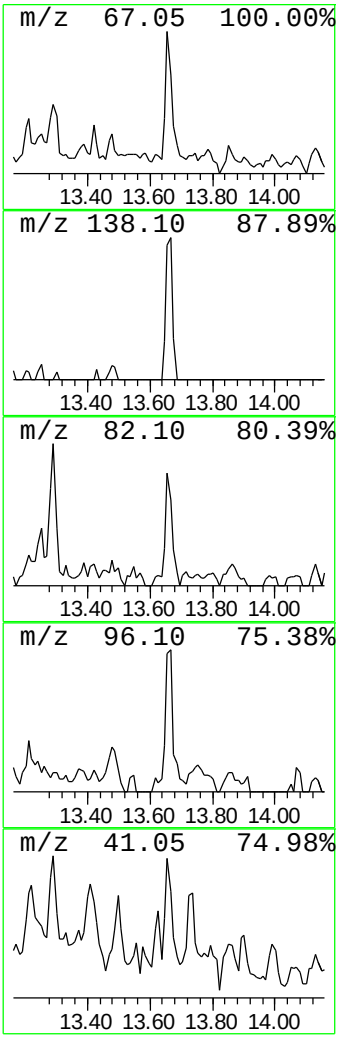
****

Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	6.25 ug/l	137809	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Cyclodecene	138	C10H18	003618-12-0	83
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	68
5	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	64





Library Search Compound Report

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Data File : VD060446.D
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Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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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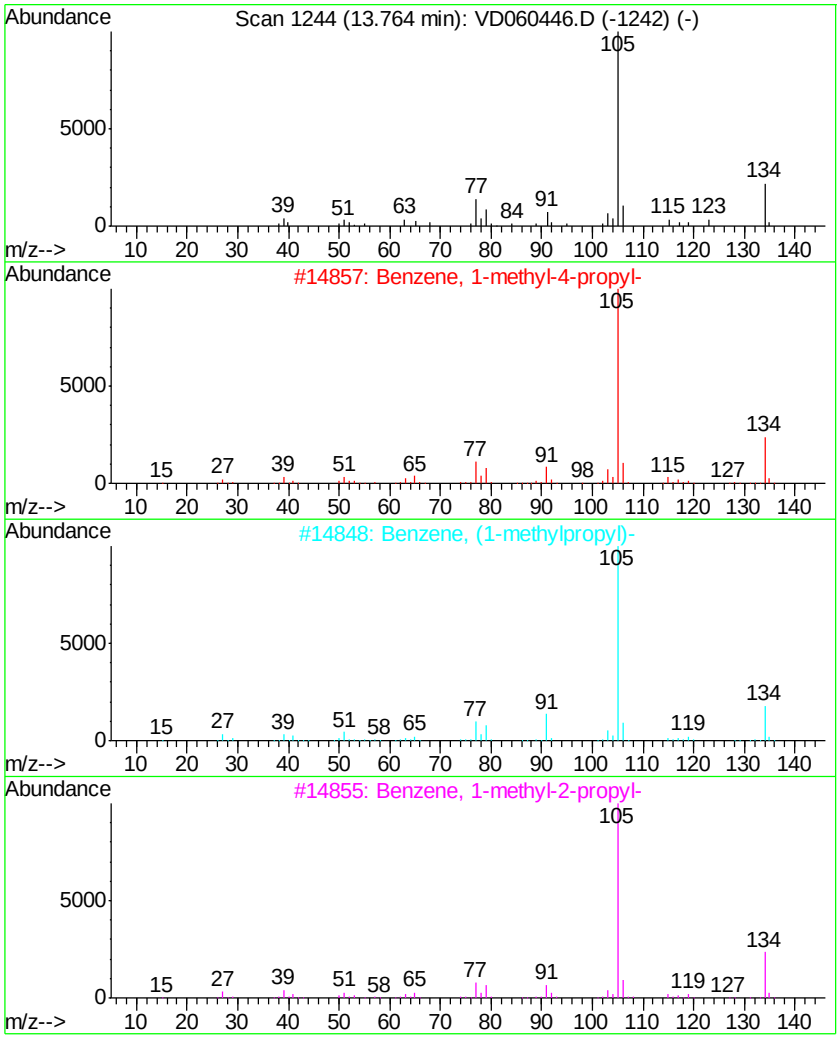
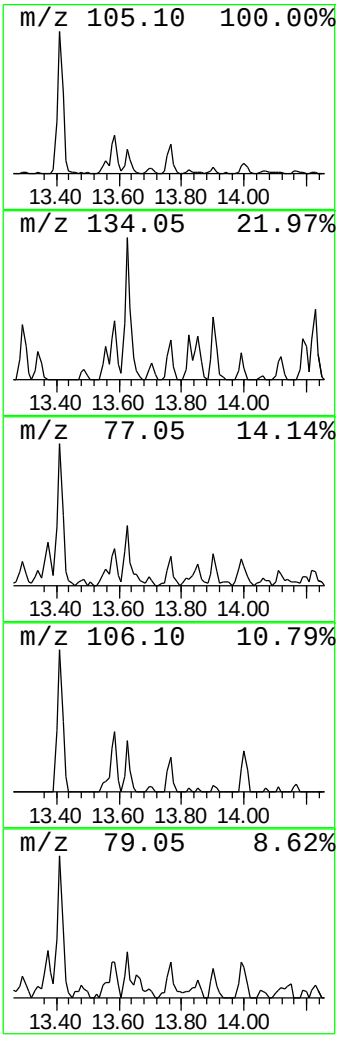
Peak Number 8 Benzene, 1-methyl-4-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.22 ug/l	137168	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
Data File : VD060446.D
Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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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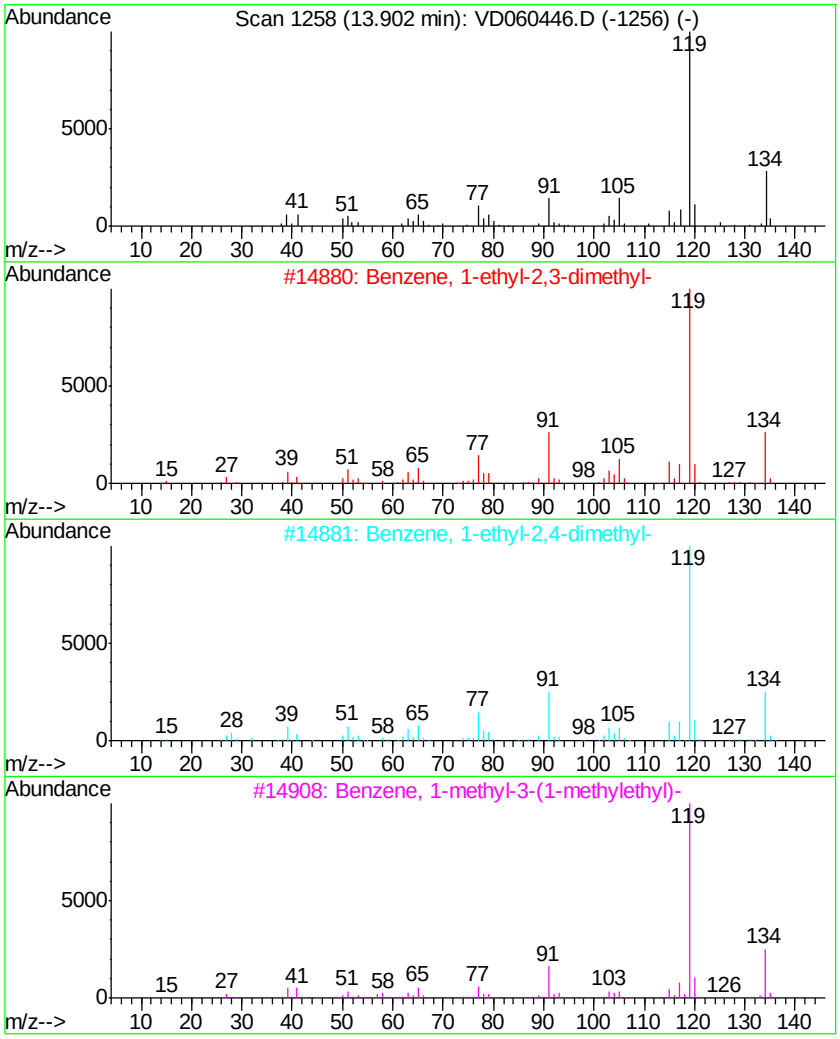
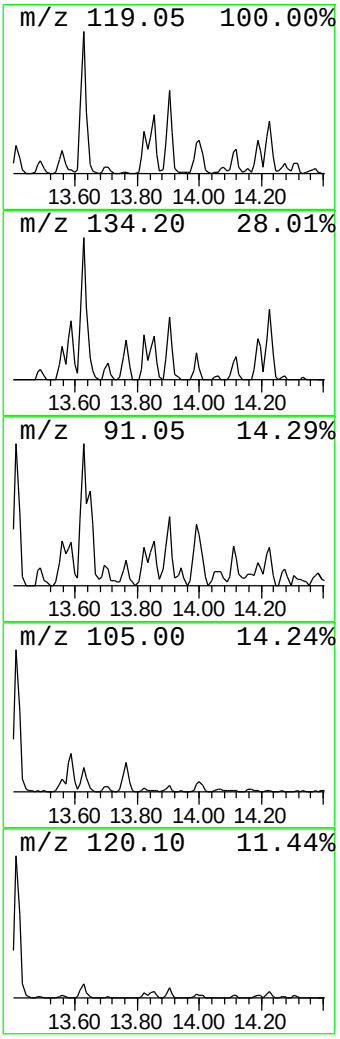
Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	5.83 ug/l	128569	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
Data File : VD060446.D
Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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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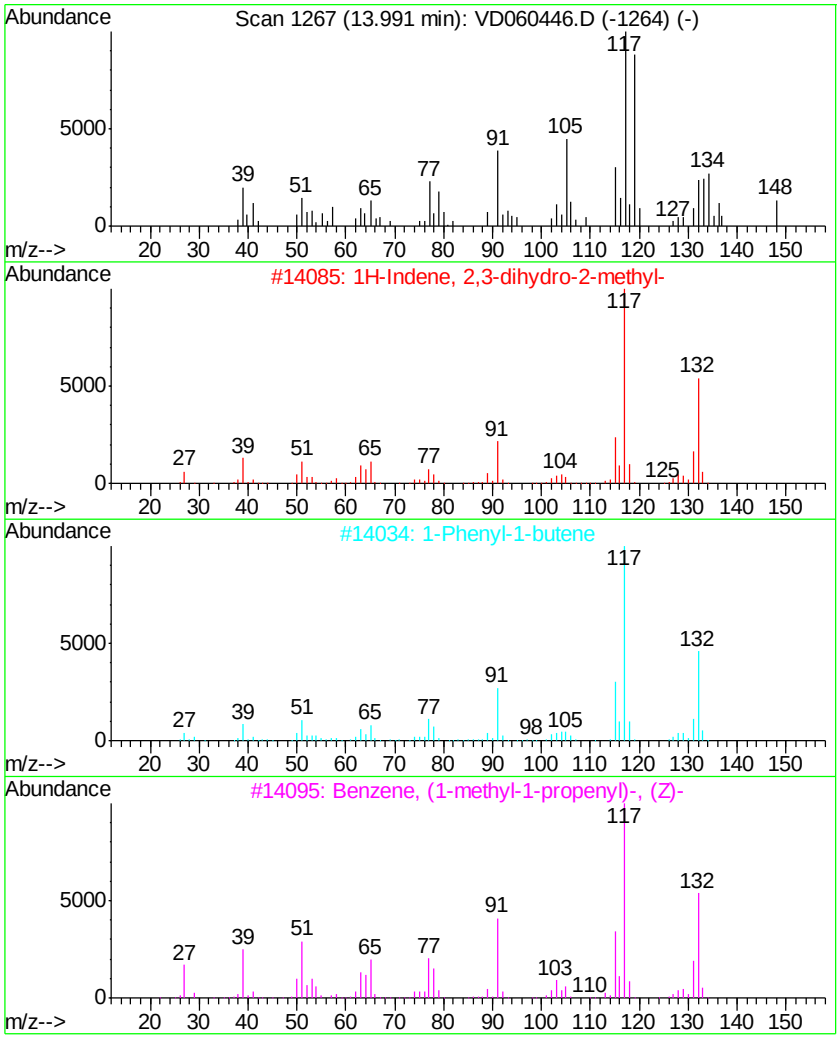
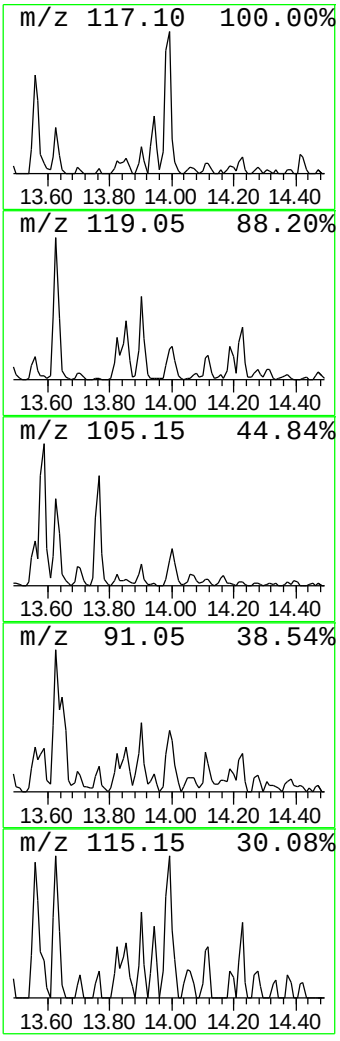
Peak Number 10 unknown13.99 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	8.31 ug/l	183351	1,4-Dichlorobenzene-d4	13.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	46
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	46
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	46
4	o-Cymene	134	C10H14	000527-84-4	41
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
Data File : VD060446.D
Acq On : 21 Nov 2018 16:57
Operator : JC/SY
Sample : J6024-01
Misc : 6.95g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-SOIL

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
Benzene, 1-ethyl-...	12.71	14.1	ug/l	311376	4	13.37	1102930	50.0
Pentalene, octahy...	12.98	6.3	ug/l	140127	4	13.37	1102930	50.0
Cyclohexane, 1,1-...	13.50	6.0	ug/l	132997	4	13.37	1102930	50.0
Benzene, 1-methyl...	13.59	6.0	ug/l	131214	4	13.37	1102930	50.0
o-Cymene	13.63	12.5	ug/l	276498	4	13.37	1102930	50.0
Naphthalene, deca...	13.66	6.3	ug/l	137809	4	13.37	1102930	50.0
Benzene, 1-methyl...	13.76	6.2	ug/l	137168	4	13.37	1102930	50.0
Benzene, 1-ethyl-...	13.90	5.8	ug/l	128569	4	13.37	1102930	50.0
unknown13.99	13.99	8.3	ug/l	183351	4	13.37	1102930	50.0