LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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	2.467	93	96	99	rBV3	3851	9787	5.48%	0.501%
2	6.334	482	489	493	rVB2	6084	15953	8.94%	0.817%
3	6.433	493	499	505	rBV4	6530	21005	11.77%	1.076%
4	6.797	530	536	540	rVB3	5755	12483	6.99%	0.640%
5	7.456	599	603	608	rVB	10452	22498	12.61%	1.153%
6	9.473	804	808	814	rBV2	13986	31646	17.73%	1.621%
7	10.211	876	883	887	rBV2	14799	36359	20.37%	1.863%
8	11.304	991	994	998	rBV	21078	33788	18.93%	1.731%
9	12.199	1080	1085	1089	rVB2	5984	11957	6.70%	0.613%
10	12.445	1105	1110	1113	rVB2	22489	32952	18.46%	1.688%
11	12.593	1122	1125	1128	rVB3	6022	11989	6.72%	0.614%
12	12.800	1140	1146	1150	rBV4	5972	16869	9.45%	0.864%
13	13.075	1171	1174	1177	rVB2	20499	27762	15.55%	1.422%
14	13.134	1177	1180	1184	rVB4	5561	12139	6.80%	0.622%
15	13.242	1188	1191	1195	rBV5	14991	24479	13.72%	1.254%
16	13.311	1195	1198	1200	rBV2	18654	26005	14.57%	1.332%
17	13.390	1203	1206	1214	rVB2	43047	68096	38.15%	3.489%
18	13.518	1214	1219	1222	rBV4	8556	19657	11.01%	1.007%
19	13.577	1222	1225	1230	rVB	30640	41002	22.97%	2.101%
20	13.675	1230	1235	1238	rBV4	37089	80684	45.21%	4.134%
21	13.725	1238	1240	1242	rVV3	7176	9046	5.07%	0.463%
22	13.764	1242	1244	1246	rVV	7600	11053	6.19%	0.566%
23	13.813	1246	1249	1251	rVB3	14101	24790	13.89%	1.270%
24	13.892	1254	1257	1258	rBV2	23280	40731	22.82%	2.087%
25	13.921	1258	1260	1263	rVV	63886	77122	43.21%	3.951%
26	14.010	1265	1269	1273	rVB3	49606	95150	53.31%	4.875%
27	14.099	1273	1278	1280	rBV4	12948	23790	13.33%	1.219%
28	14.148	1280	1283	1284	rBV2	29762	43601	24.43%	2.234%
29	14.177	1284	1286	1288	rVV2	44916	75774	42.46%	3.882%
30	14.207	1288	1289	1294	rVB2	52097	59176	33.16%	3.032%
31	14.295	1294	1298	1300	rBV2	46298	68189	38.21%	3.494%
32	14.345	1300	1303	1305	rBV2	14204	28157	15.78%	1.443%
33	14.394	1305	1308	1310	rVB4	20645	34189	19.16%	1.752%
34	14.433	1310	1312	1317	rBV5	17660	45171	25.31%	2.314%

LSC Area Percent Report

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Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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	14.492	1317	1318	1320	rBV2	9900	10690	5.99%	0.548%
36	14.532	1320	1322	1327	rBV2	98672	178478	100.00%	9.144%
37	14.601	1327	1329	1332	rVV	76596	114644	64.23%	5.874%
38	14.669	1332	1336	1338	rVB3	29627	49063	27.49%	2.514%
39	14.768	1343	1346	1347	rVV3	27291	61097	34.23%	3.130%
40	14.856	1350	1355	1357	rVV4	36938	102475	57.42%	5.250%
41	14.906	1357	1360	1361	rVV2	28985	49631	27.81%	2.543%
42	14.935	1361	1363	1365	rVV2	34446	48654	27.26%	2.493%
43	15.004	1368	1370	1372	rVV2	56853	75993	42.58%	3.894%
44	15.093	1376	1379	1384	rVB6	23712	50311	28.19%	2.578%
45	15.280	1396	1398	1403	rVB5	13480	17679	9.91%	0.906%

Sum of corrected areas: 1951764

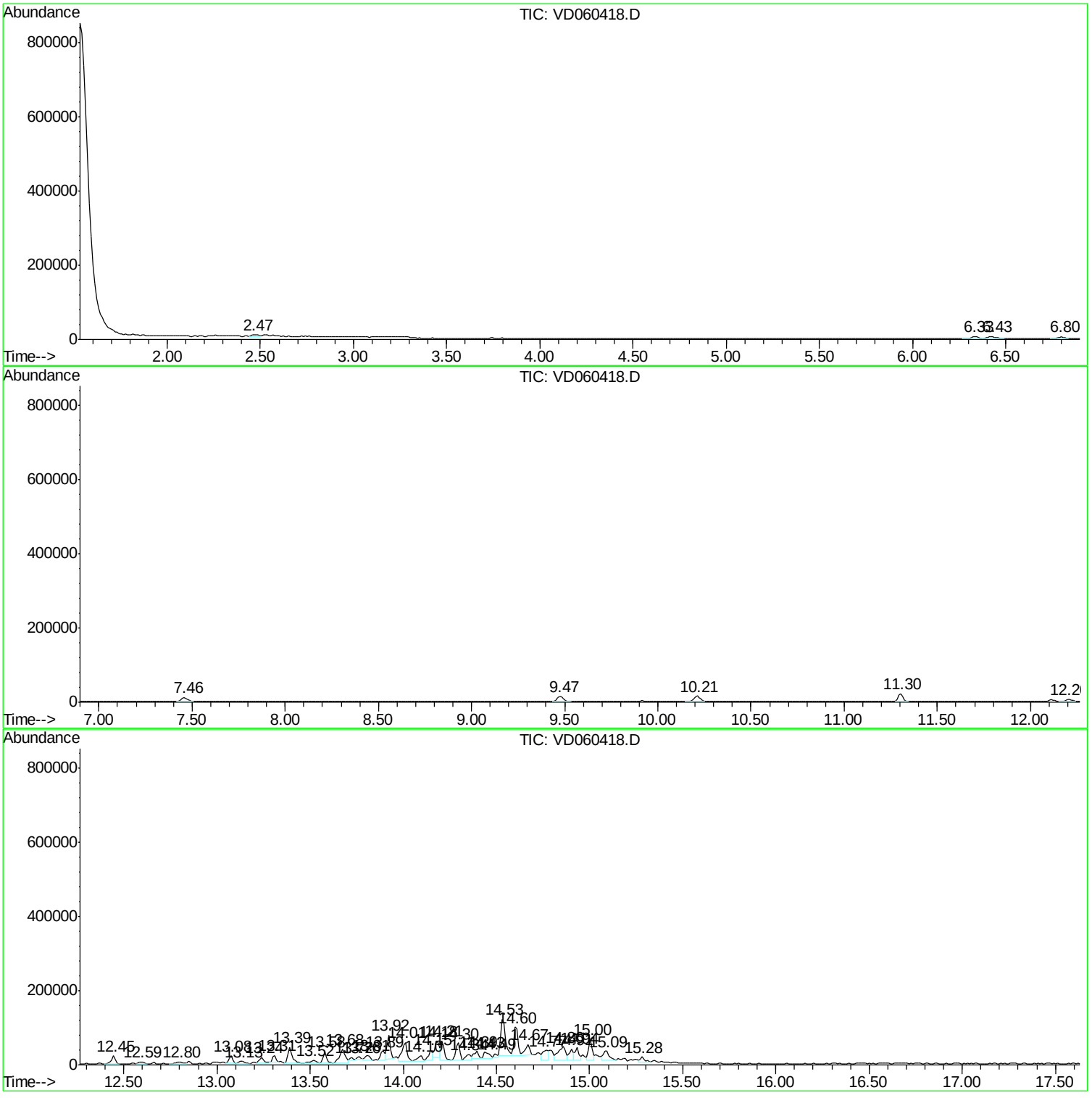
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FDSB-04(26.5-28.5)

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\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

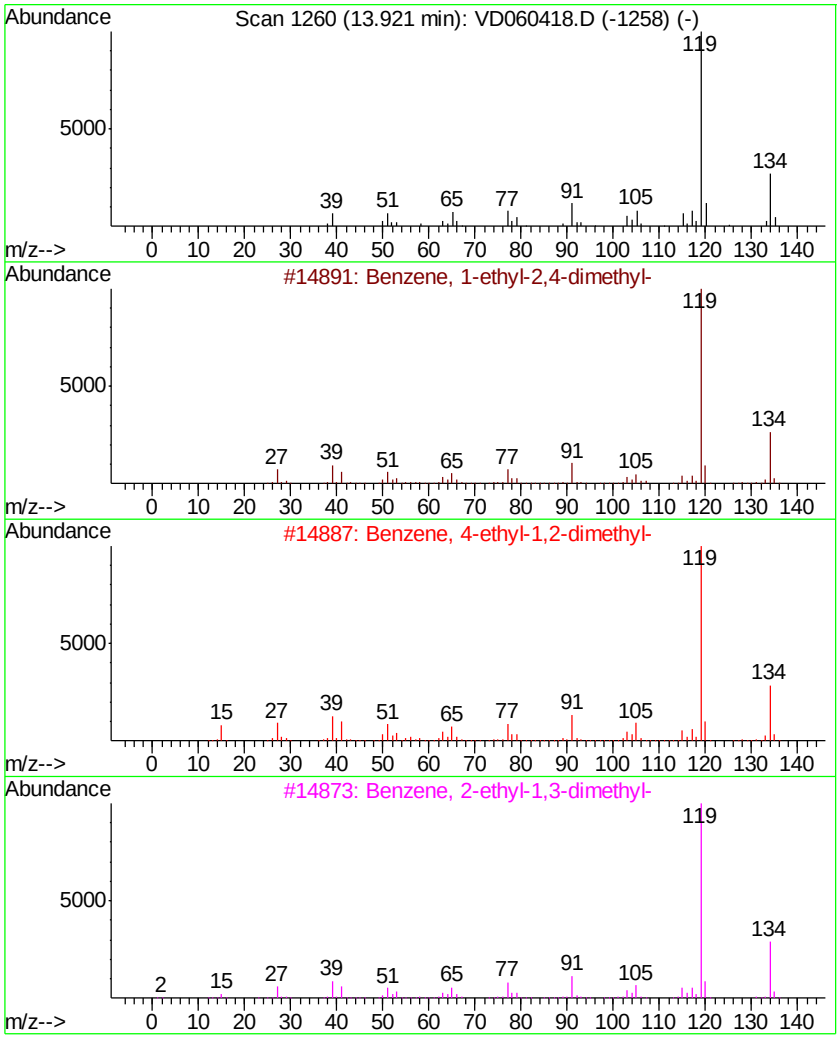
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

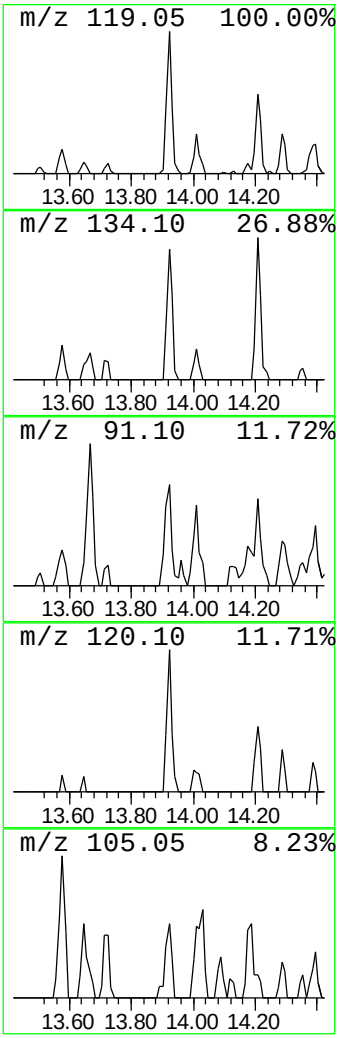
****

Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	56.63 ug/l	77122	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

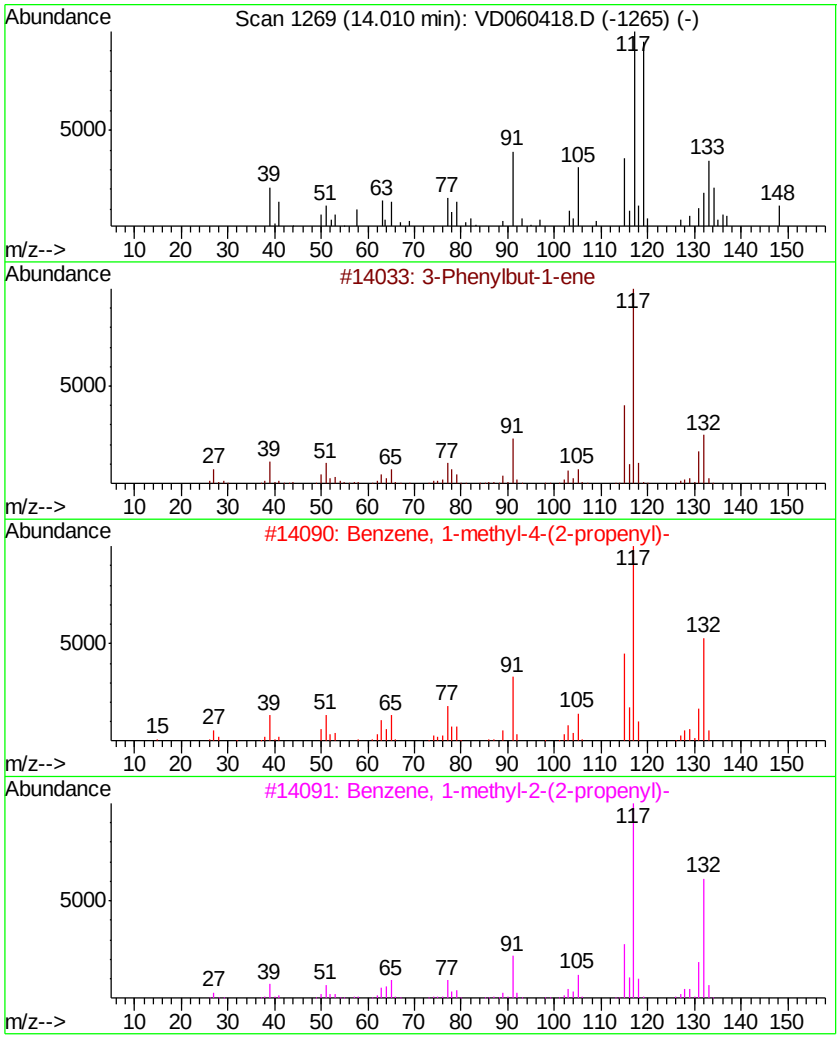
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

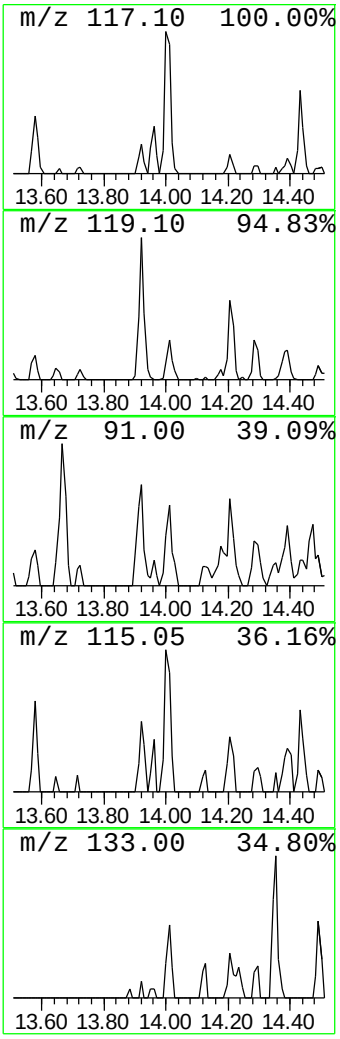
****

Peak Number 3 3-Phenylbut-1-ene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	69.86 ug/l	95150	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	43
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	43
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	41
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

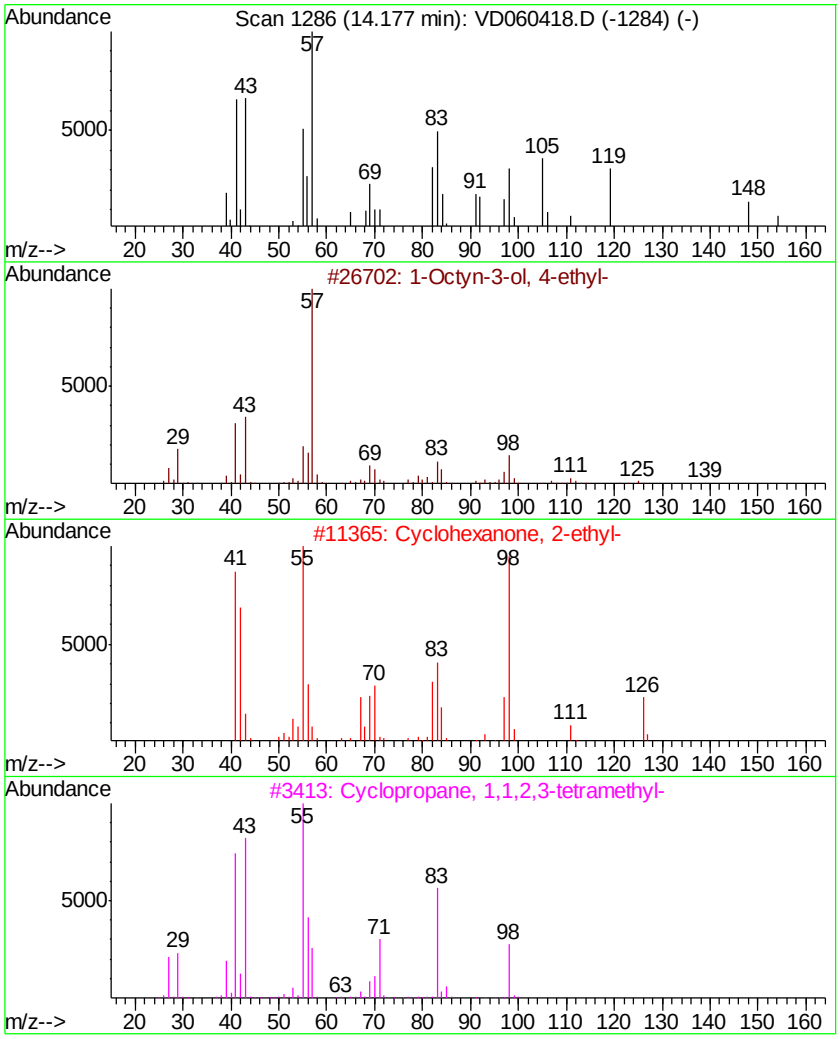
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

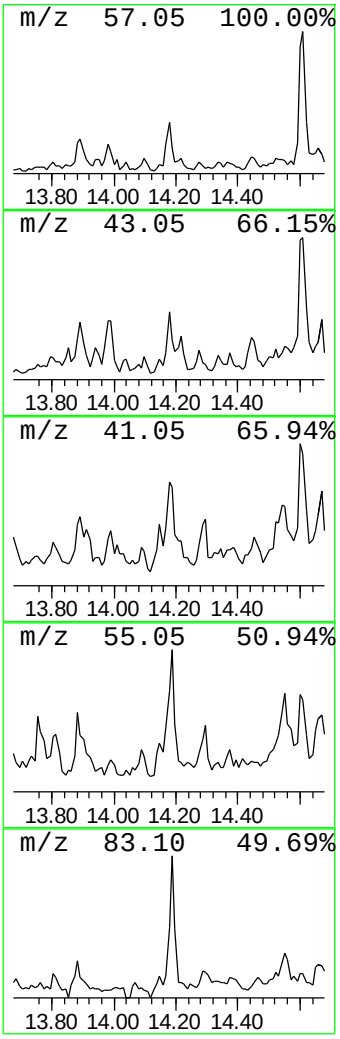
****

Peak Number 4 unknown14.18 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	55.64 ug/l	75774	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	35
2	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	25
3	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	22
4	Formic acid, 2-ethylhexyl ester	158	C9H18O2	1000368-94-7	16
5	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

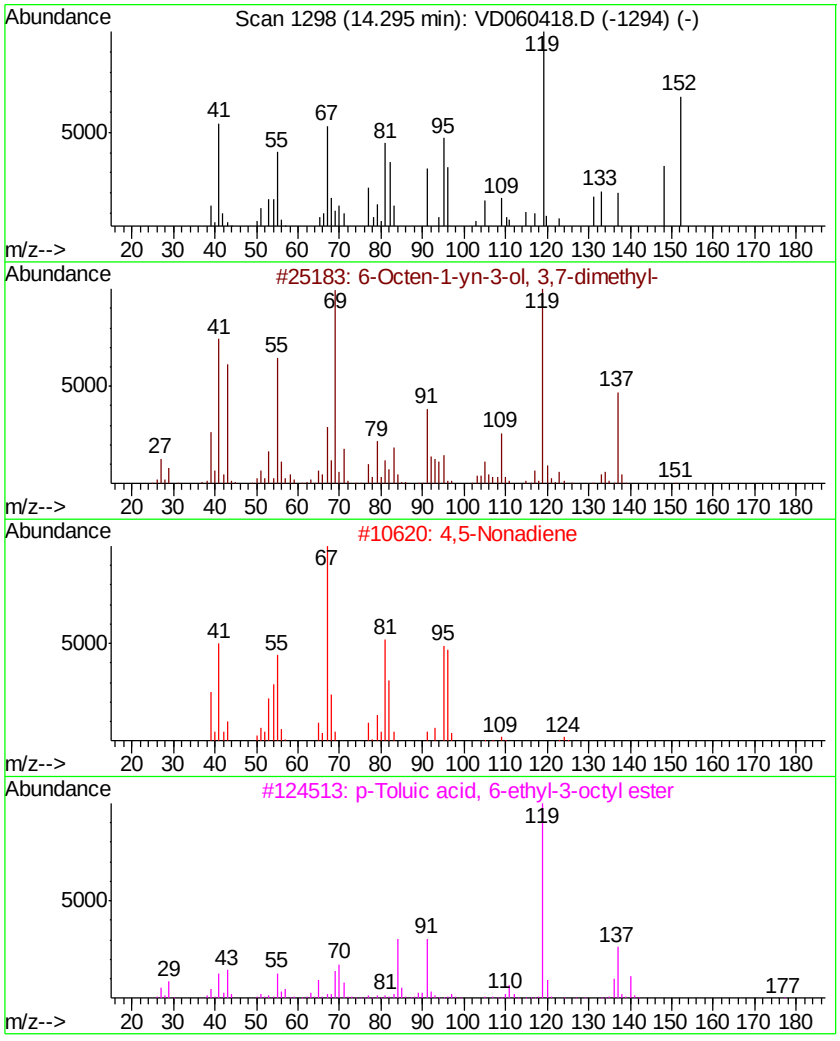
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

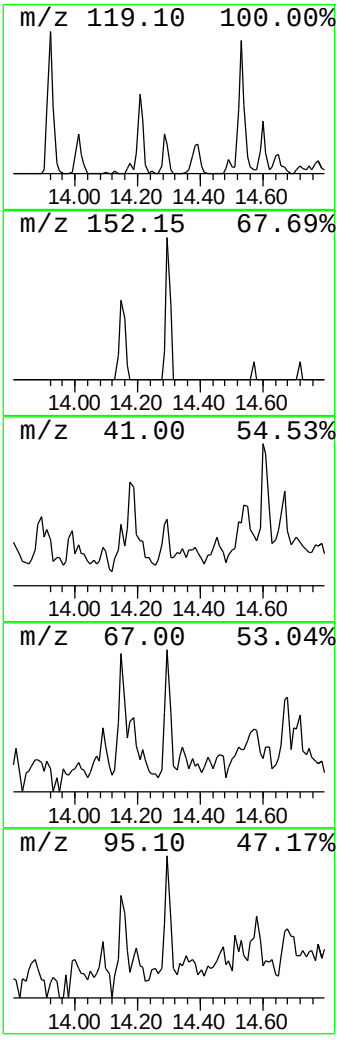
****

Peak Number 5 unknown14.30 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	50.07 ug/l	68189	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octen-1-yn-3-ol, 3,7-dimethyl-	152	C10H16O	029171-20-8	27
2	4,5-Nonadiene	124	C9H16	000821-74-9	14
3	p-Toluic acid, 6-ethyl-3-octyl e...	276	C18H28O2	1000293-34-2	14
4	cis-1,2-Cyclohexanedimethanol	144	C8H16O2	015753-50-1	14
5	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	14





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

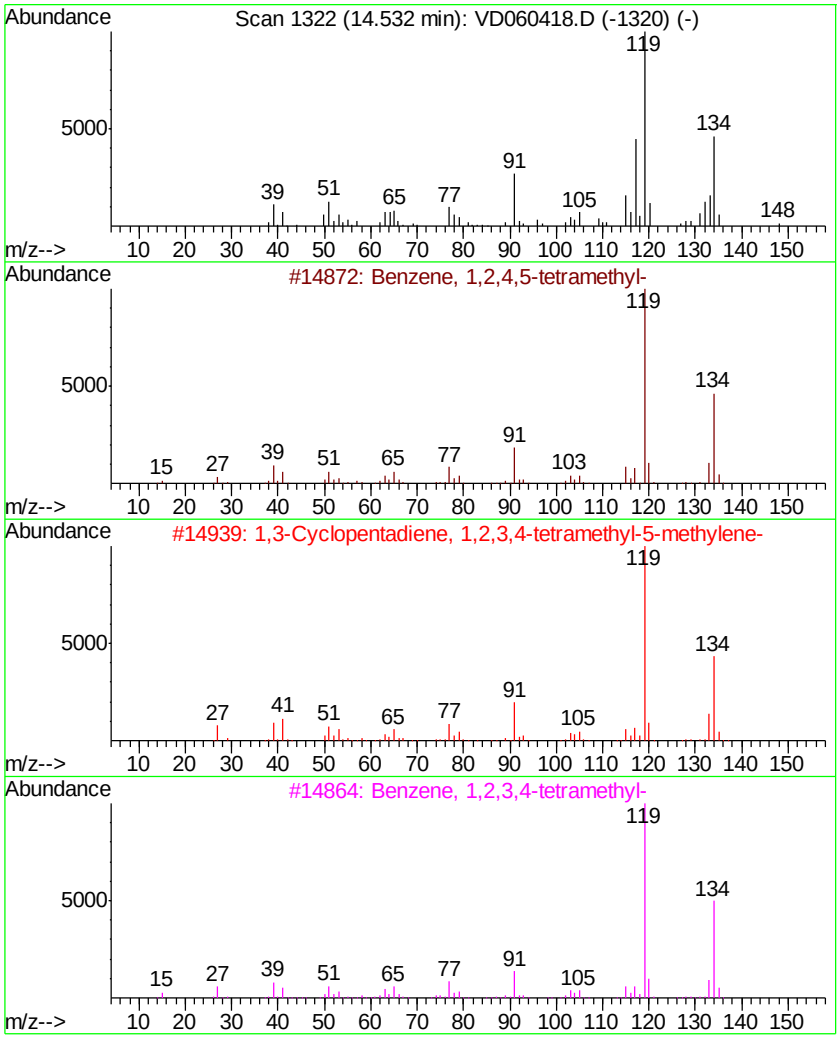
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

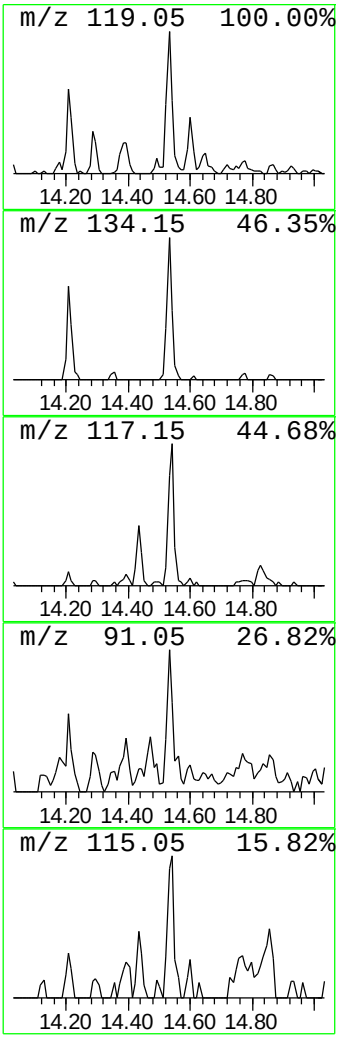
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	131.05 ug/l	178478	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
5	o-Cymene	134	C10H14	000527-84-4	62





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Sample : J5951-04
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

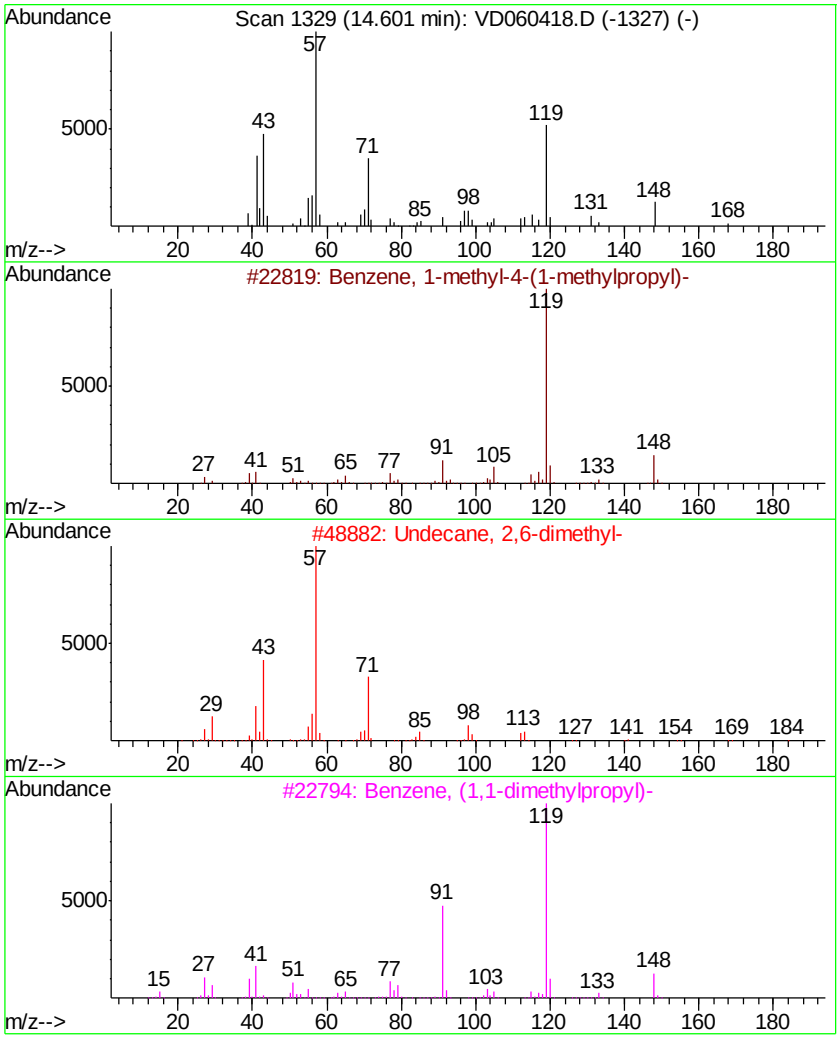
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

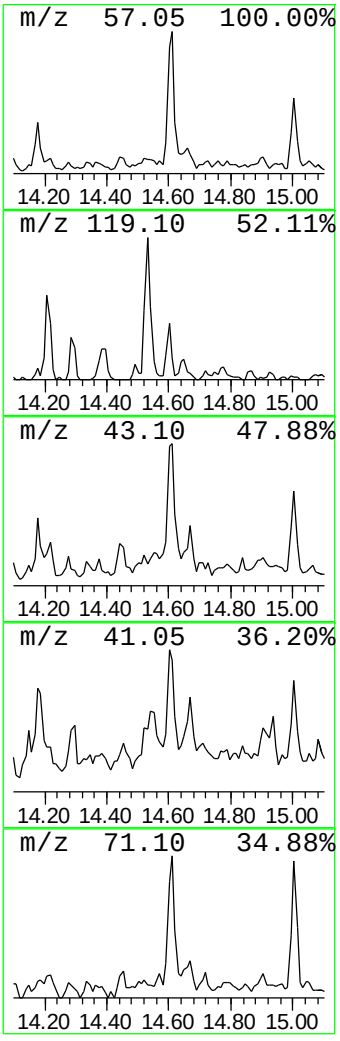
****

Peak Number 7 unknown14.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	84.18 ug/l	114644	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	35
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	35
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	27
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	27





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Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

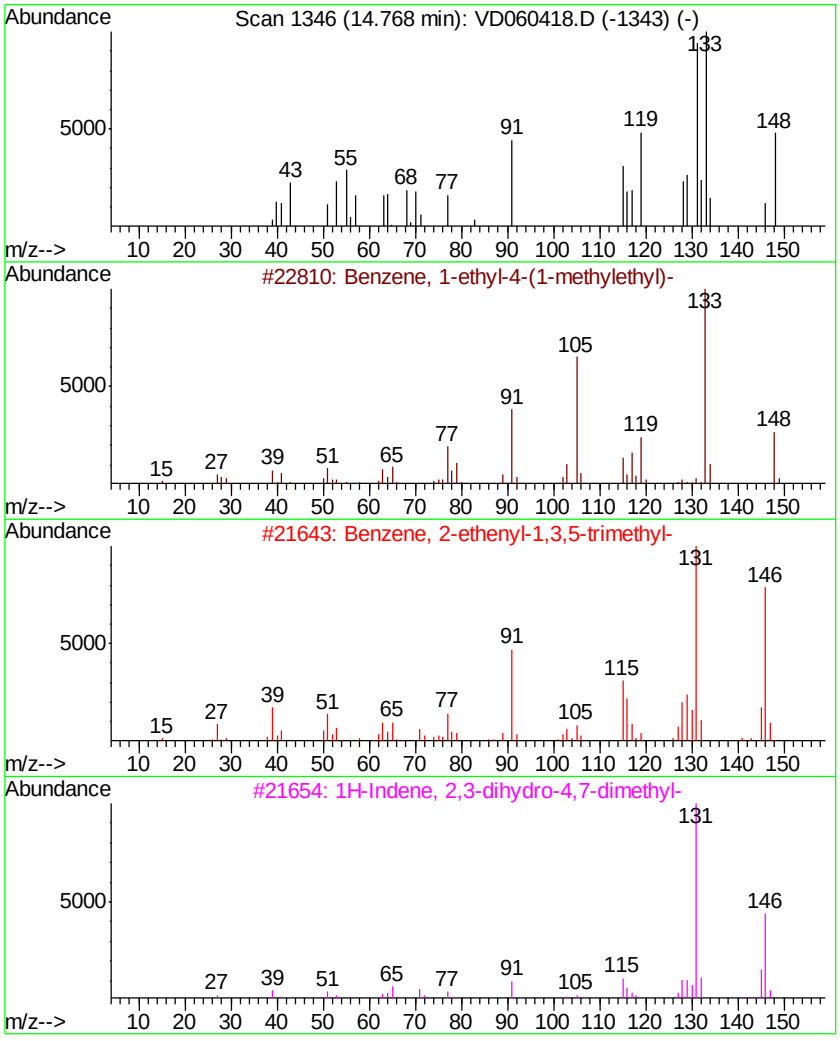
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

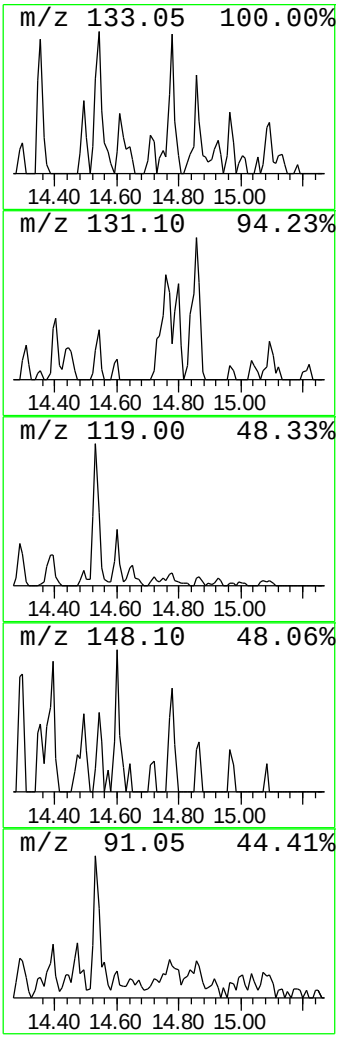
****

Peak Number 8 unknown14.77 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	44.86 ug/l	61097	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	27
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	27
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	22
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	22
5	Pyridine, 2-methyl-5-(1-methylet...	133	C9H11N	056057-93-3	22





Library Search Compound Report

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Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

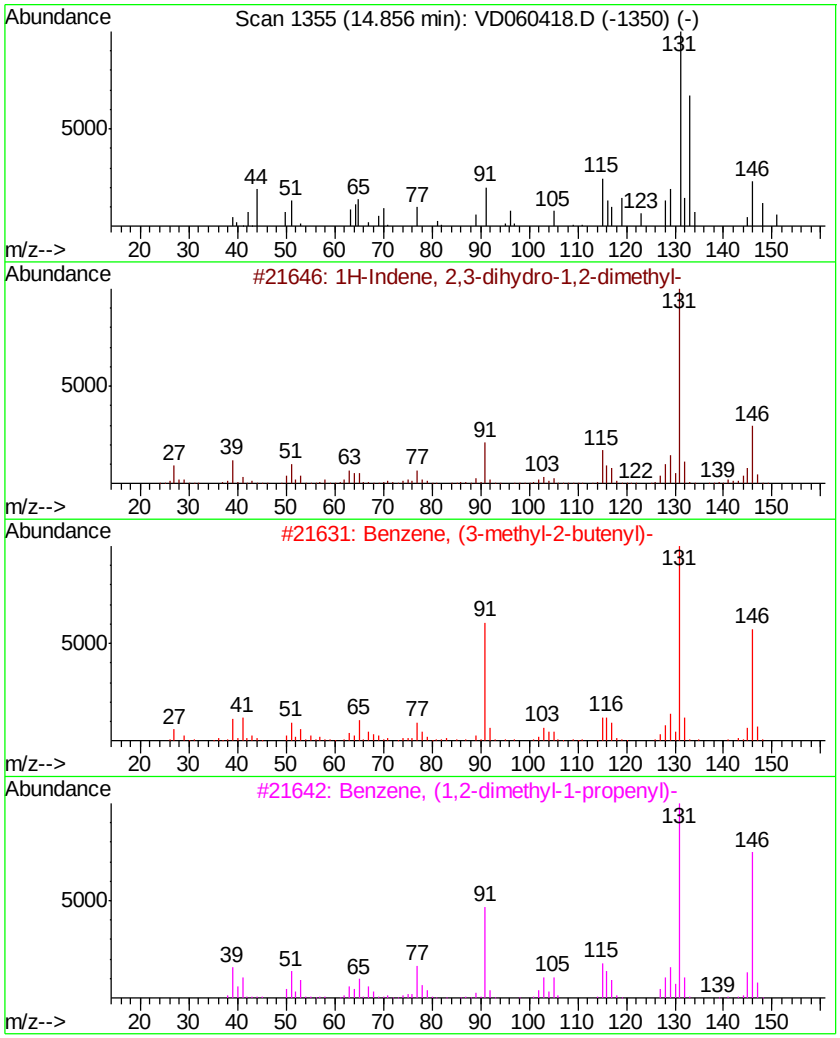
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

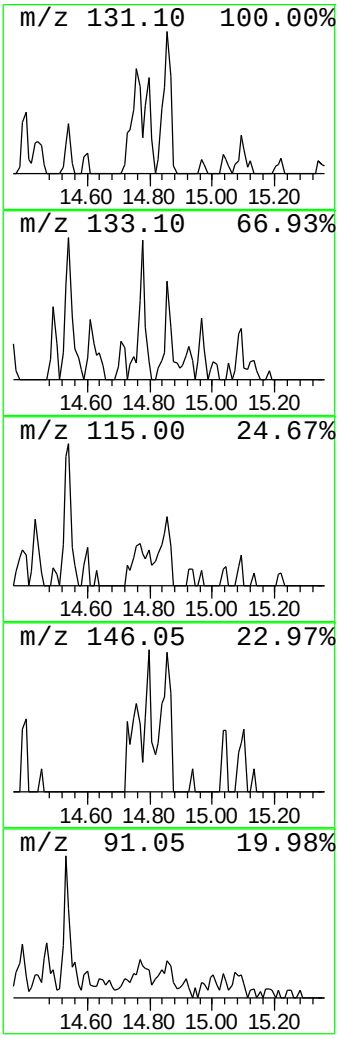
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	75.24 ug/l	102475	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	62
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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

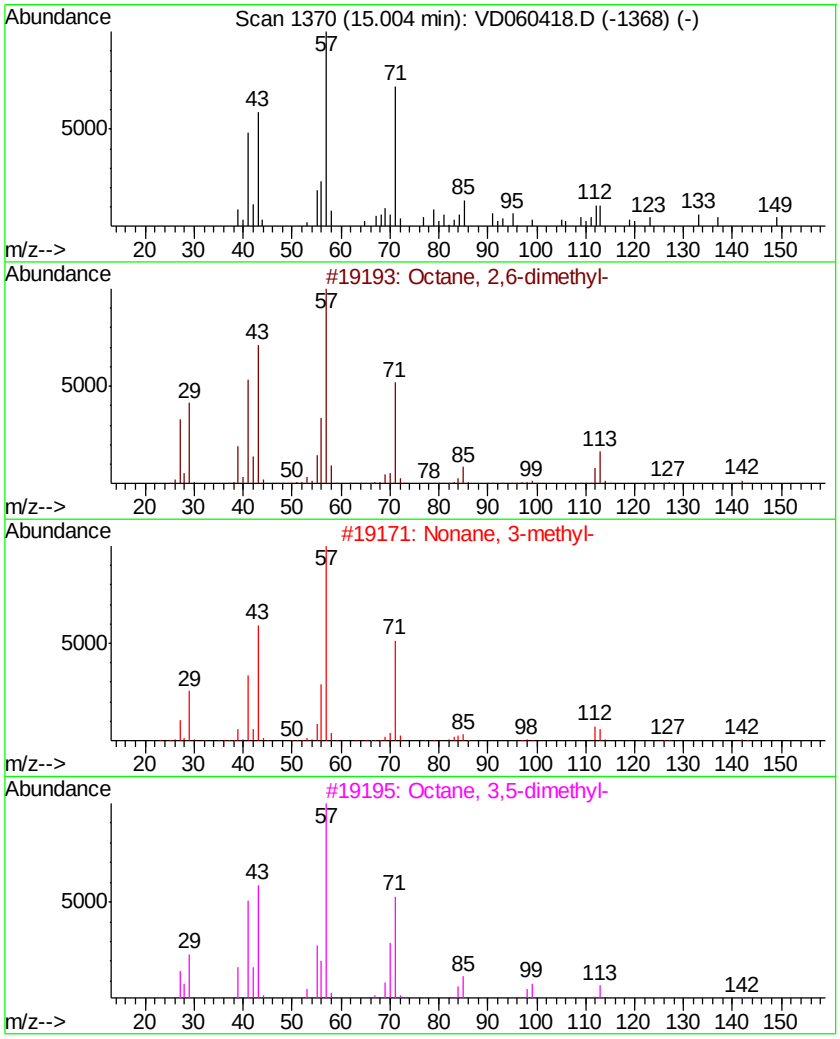
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

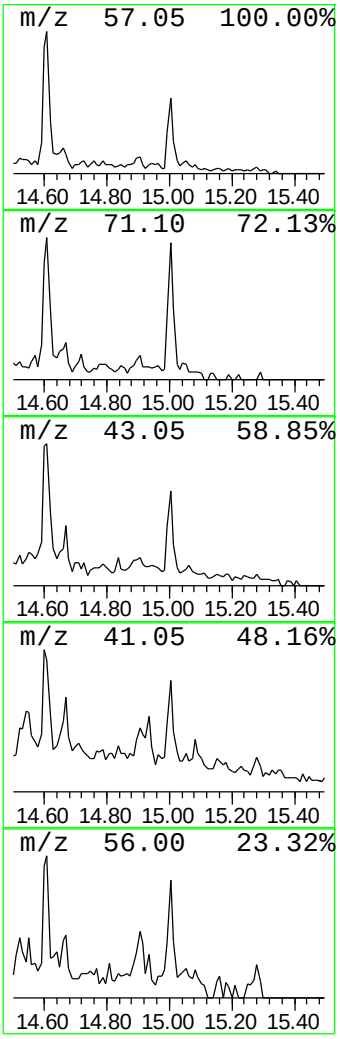
****

Peak Number 10 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	55.80 ug/l	75993	1,4-Dichlorobenzene-d4	13.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	59
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	53
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
Data File : VD060418.D
Acq On : 19 Nov 2018 16:42
Operator : JC/SY
Sample : J5951-04
Misc : 5.10g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FDSB-04(26.5-28.5)

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-...	13.92	56.6	ug/l	77122	4	13.39	68096	50.0
3-Phenylbut-1-ene	14.01	69.9	ug/l	95150	4	13.39	68096	50.0
unknown14.18	14.18	55.6	ug/l	75774	4	13.39	68096	50.0
unknown14.30	14.30	50.1	ug/l	68189	4	13.39	68096	50.0
Benzene, 1,2,4,5-...	14.53	131.1	ug/l	178478	4	13.39	68096	50.0
unknown14.60	14.60	84.2	ug/l	114644	4	13.39	68096	50.0
unknown14.77	14.77	44.9	ug/l	61097	4	13.39	68096	50.0
1H-Indene, 2,3-di...	14.86	75.2	ug/l	102475	4	13.39	68096	50.0
Octane, 2,6-dimet...	15.00	55.8	ug/l	75993	4	13.39	68096	50.0