LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
Data File : VD062416.D
Acq On : 16 May 2019 14:36
Operator : FY/SY
Sample : K2822-04
Misc : 5.11g/5mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-4

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	3.816	238	243	248	rBV2	28607	67185	4.44%	0.710%
2	6.926	553	559	566	rBV2	288226	802415	53.07%	8.485%
3	7.044	566	571	586	rVB	526660	1442708	95.42%	15.255%
4	7.458	606	613	622	rBV	200893	521377	34.49%	5.513%
5	8.225	685	691	703	rBV	594587	1511894	100.00%	15.987%
6	10.410	908	913	921	rBV	511233	1152198	76.21%	12.183%
7	11.236	992	997	1001	rBV	10560	26790	1.77%	0.283%
8	12.171	1089	1092	1097	rVB3	6658	15792	1.04%	0.167%
9	12.368	1108	1112	1119	rVV	710717	1102531	72.92%	11.658%
10	12.703	1143	1146	1148	rVB2	10311	15159	1.00%	0.160%
11	13.008	1170	1177	1179	rBV3	14772	29272	1.94%	0.310%
12	13.224	1193	1199	1202	rVB3	28091	49224	3.26%	0.520%
13	13.313	1202	1208	1215	rBV7	22196	61371	4.06%	0.649%
14	13.480	1221	1225	1229	rBV5	9941	26171	1.73%	0.277%
15	13.559	1229	1233	1237	rVV	420325	565568	37.41%	5.980%
16	13.716	1246	1249	1252	rVB	41051	56791	3.76%	0.601%
17	13.825	1257	1260	1264	rBV3	8019	17344	1.15%	0.183%
18	13.893	1264	1267	1268	rBV2	11367	20202	1.34%	0.214%
19	13.923	1268	1270	1272	rVV3	17187	29599	1.96%	0.313%
20	13.972	1272	1275	1278	rVB2	17216	29981	1.98%	0.317%
21	14.198	1296	1298	1300	rBV2	13206	16592	1.10%	0.175%
22	14.376	1312	1316	1318	rVV4	13682	22413	1.48%	0.237%
23	14.454	1318	1324	1327	rBV7	19846	51500	3.41%	0.545%
24	14.523	1327	1331	1334	rBV	452877	607354	40.17%	6.422%
25	14.809	1355	1360	1364	rBV5	31153	67736	4.48%	0.716%
26	14.946	1372	1374	1376	rVV2	12172	16990	1.12%	0.180%
27	15.015	1379	1381	1383	rVV2	13808	27683	1.83%	0.293%
28	15.055	1383	1385	1388	rVV	29165	37348	2.47%	0.395%
29	15.143	1388	1394	1398	rVV4	33955	78223	5.17%	0.827%
30	15.232	1400	1403	1405	rVB3	9724	15305	1.01%	0.162%
31	15.291	1405	1409	1410	rBV3	30090	54144	3.58%	0.573%
32	15.320	1410	1412	1413	rVV2	18396	25786	1.71%	0.273%
33	15.350	1413	1415	1416	rVV	21879	25948	1.72%	0.274%
34	15.379	1416	1418	1421	rVV3	15354	25809	1.71%	0.273%

LSC Area Percent Report

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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-4

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	15.429	1421	1423	1426	rVV2	41112	63560	4.20%	0.672%
36	15.488	1426	1429	1431	rVV3	15063	32231	2.13%	0.341%
37	15.576	1434	1438	1442	rVV4	16216	44726	2.96%	0.473%
38	15.635	1442	1444	1445	rVV	19923	21426	1.42%	0.227%
39	15.675	1445	1448	1453	rVV2	90670	150292	9.94%	1.589%
40	15.743	1453	1455	1457	rVV3	15561	25815	1.71%	0.273%
41	15.783	1457	1459	1460	rVV	15709	24862	1.64%	0.263%
42	15.812	1460	1462	1465	rVV4	20996	35106	2.32%	0.371%
43	15.911	1465	1472	1477	rVV4	33954	135341	8.95%	1.431%
44	15.999	1477	1481	1483	rVV	57606	96390	6.38%	1.019%
45	16.039	1483	1485	1487	rVV3	12823	22299	1.47%	0.236%
46	16.127	1490	1494	1498	rBV3	19639	44496	2.94%	0.470%
47	16.226	1498	1504	1506	rVV3	29683	54299	3.59%	0.574%
48	16.265	1506	1508	1510	rVV2	19721	27857	1.84%	0.295%
49	16.482	1526	1530	1535	rBV5	16246	43074	2.85%	0.455%
50	16.629	1542	1545	1548	rBV2	10619	19093	1.26%	0.202%

Sum of corrected areas: 9457270

LSC Report - Integrated Chromatogram

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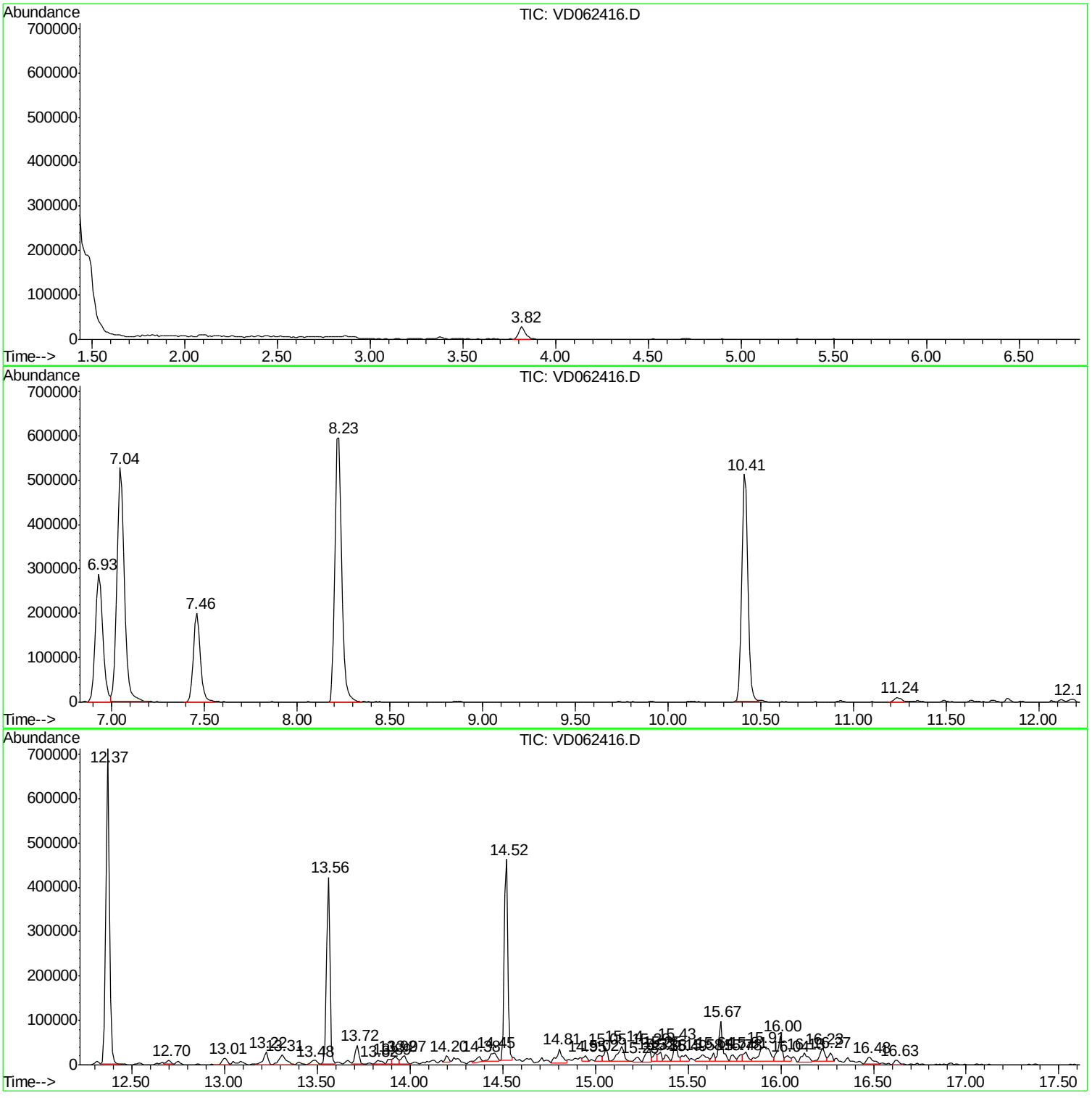
Acq On : 16 May 2019 14:36
Operator : FY/SY
Sample : K2822-04
Misc : 5.11g/5mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-4

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\VD051619\
Data File : VD062416.D
Acq On : 16 May 2019 14:36
Operator : FY/SY
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Misc : 5.11g/5mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-4

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

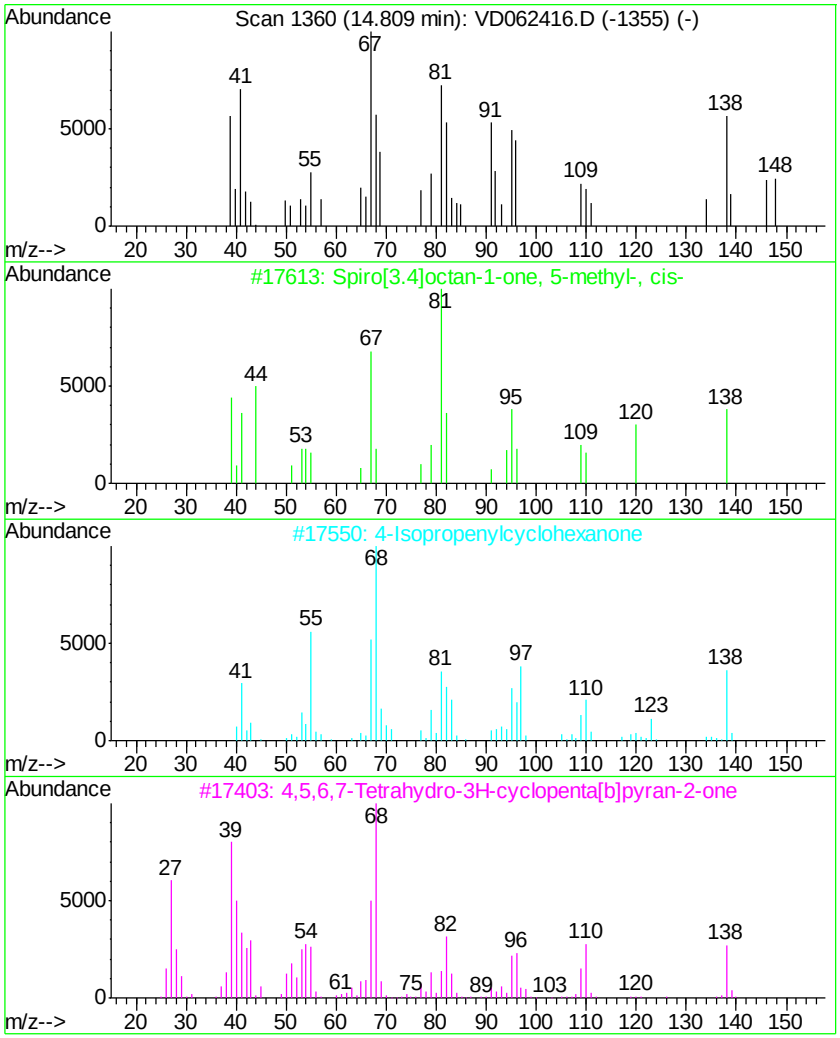
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

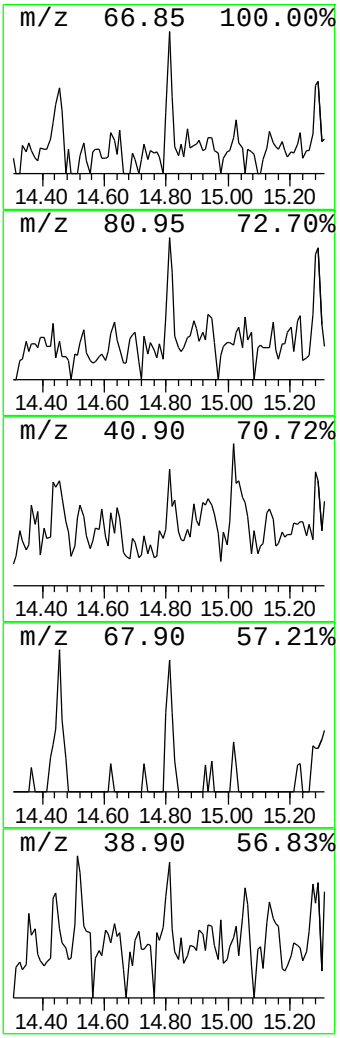
****

Peak Number 1 Spiro[3.4]octan-1-one, 5-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	5.58 ug/l	67736	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[3.4]octan-1-one, 5-methyl-...	138	C9H14O	065147-55-9	68
2	4-Isopropenylcyclohexanone	138	C9H14O	022460-53-3	64
3	4,5,6,7-Tetrahydro-3H-cyclopenta...	138	C8H10O2	005587-71-3	58
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	52
5	Bicyclo[2.2.1]heptane, 2-methyl-	110	C8H14	015185-11-2	50





Library Search Compound Report

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Sample : K2822-04
Misc : 5.11g/5mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-4

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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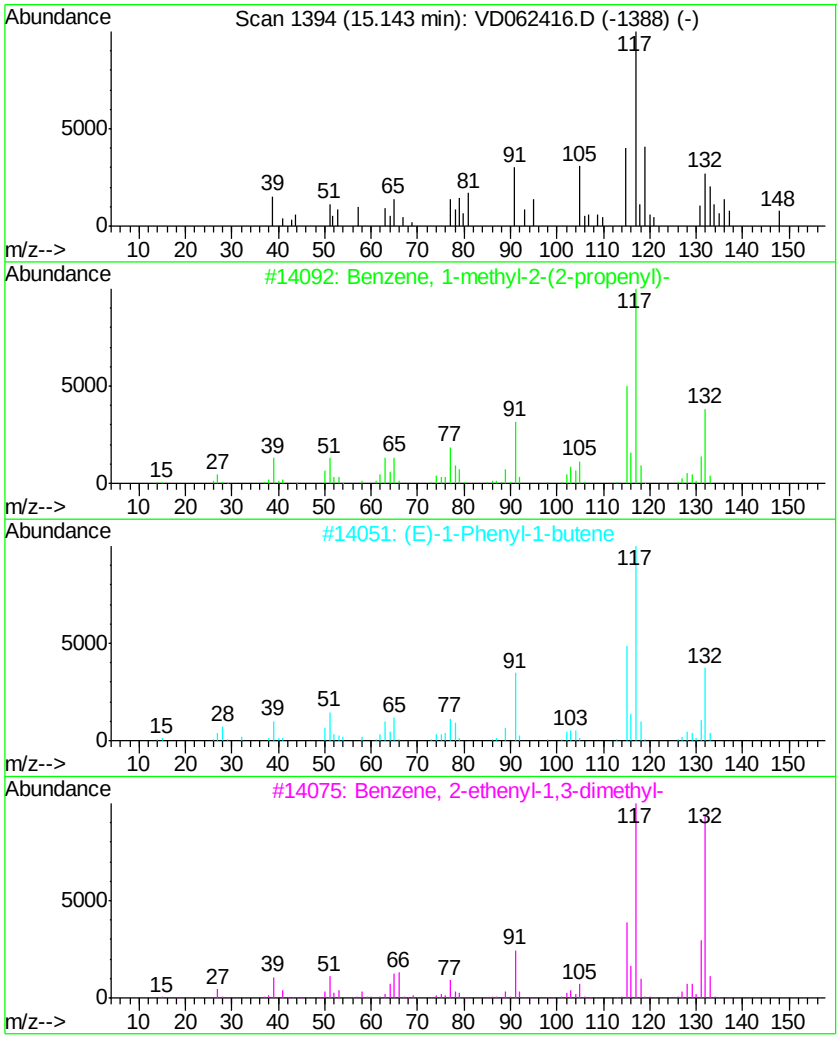
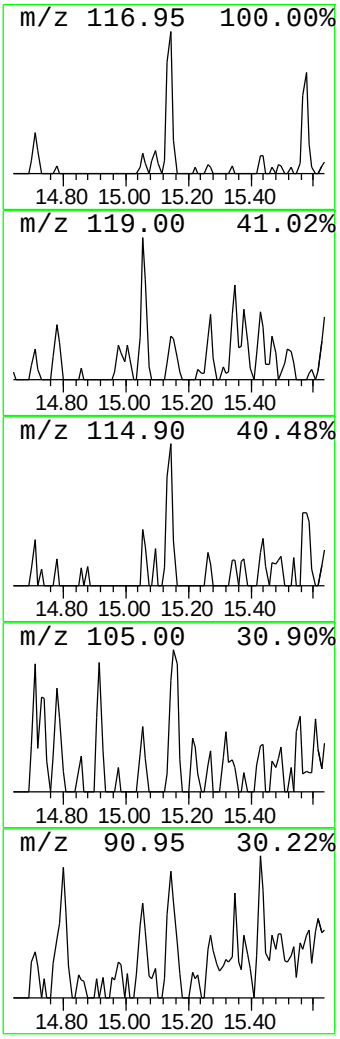
Peak Number 2 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	6.44 ug/l	78223	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	52
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	49
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	49
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	49
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
Data File : VD062416.D
Acq On : 16 May 2019 14:36
Operator : FY/SY
Sample : K2822-04
Misc : 5.11g/5mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-4

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

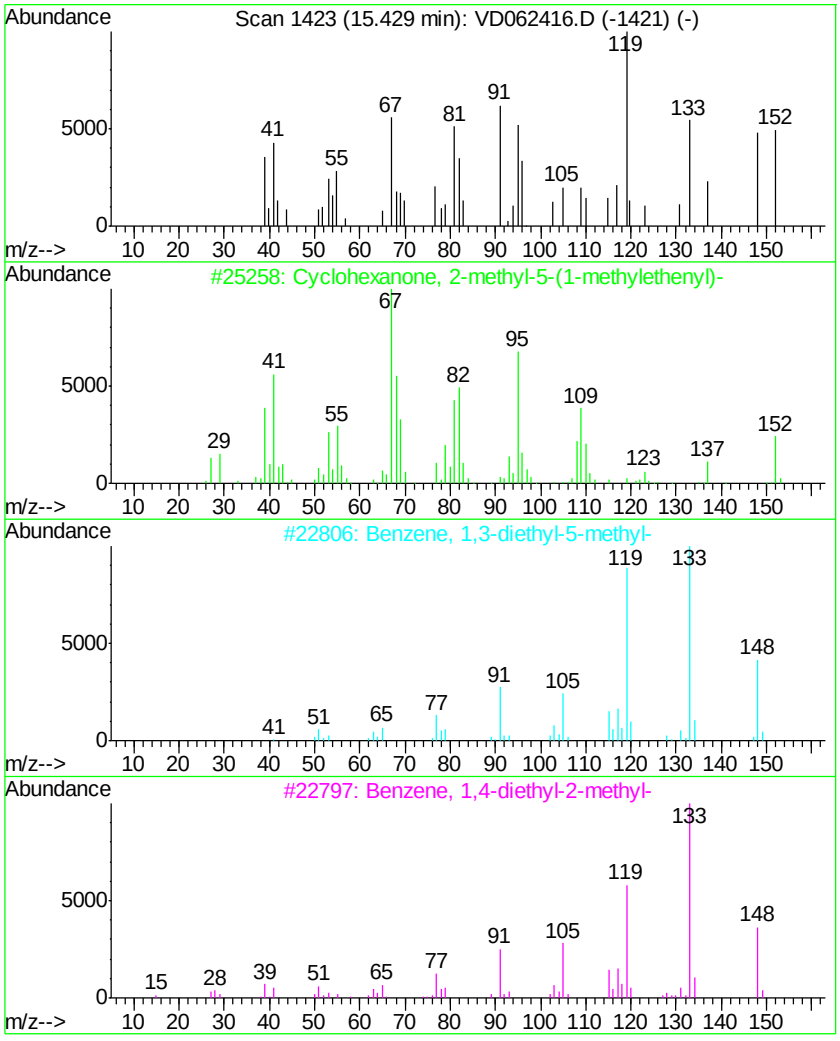
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

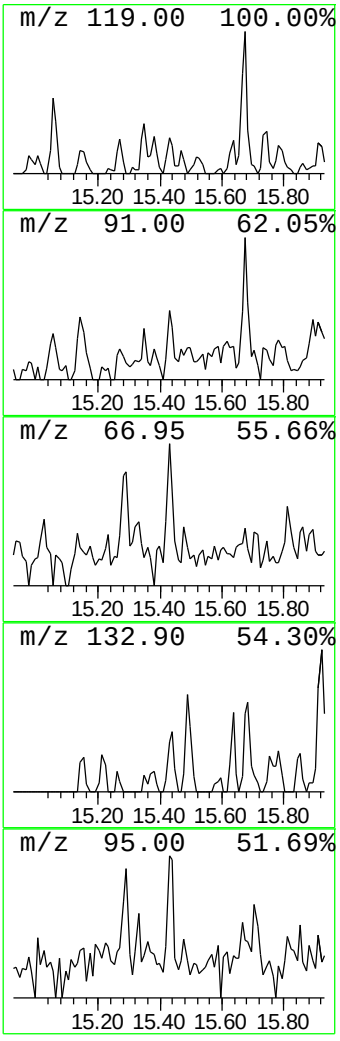
****

Peak Number 3 unknown15.43 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	5.23 ug/l	63560	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	30
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	25
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	25
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	25
5	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	22





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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-4

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

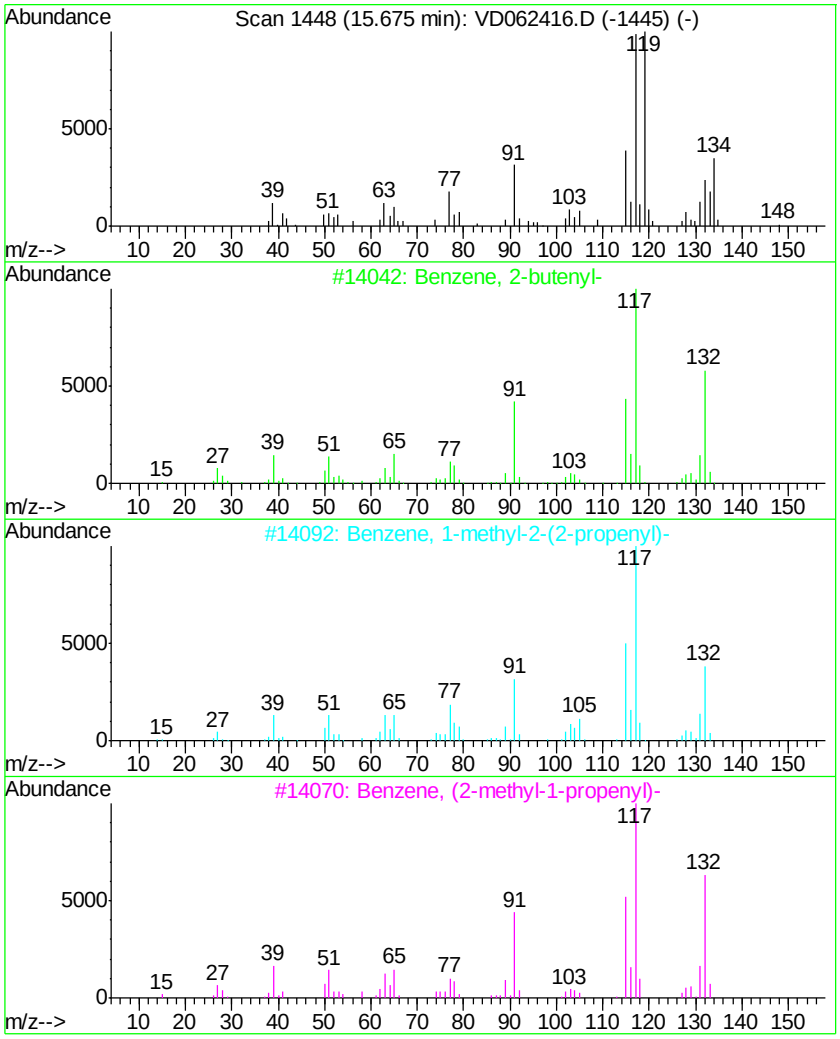
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

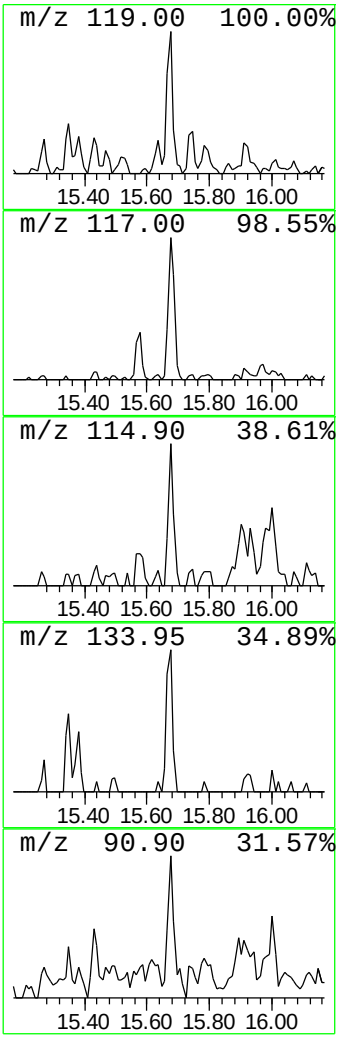
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	12.37 ug/l	150292	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	78
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	60





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Quant Title : SW846 8260

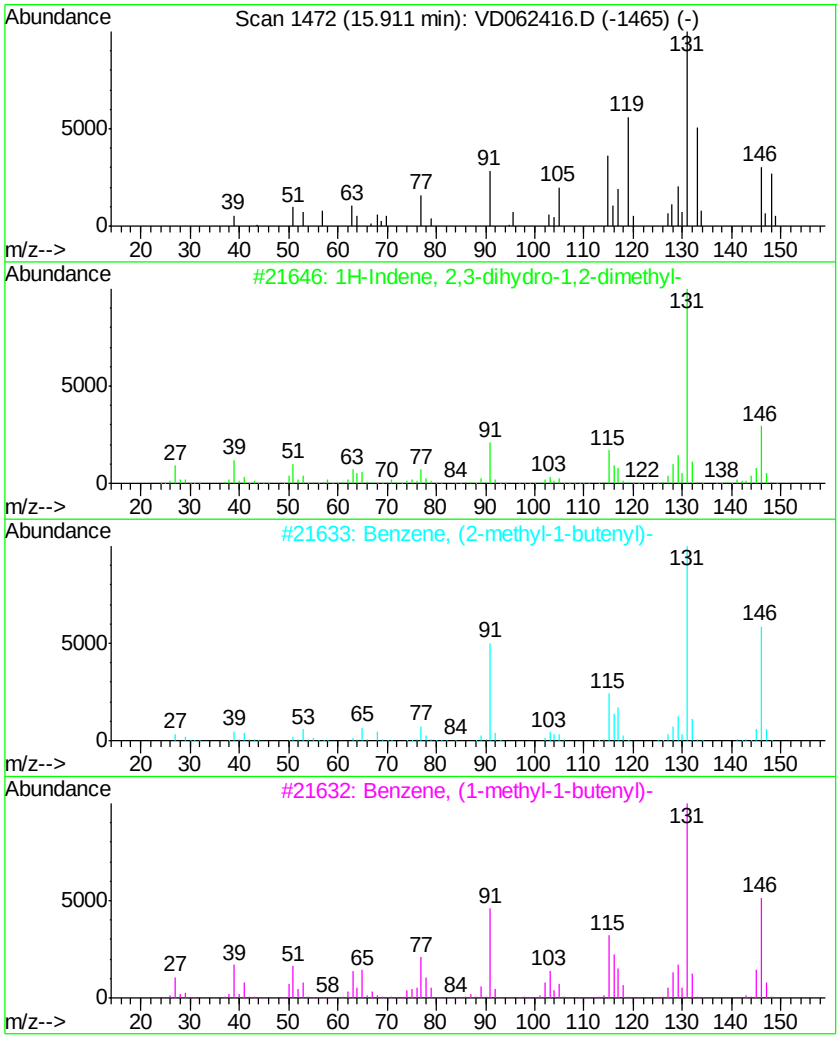
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

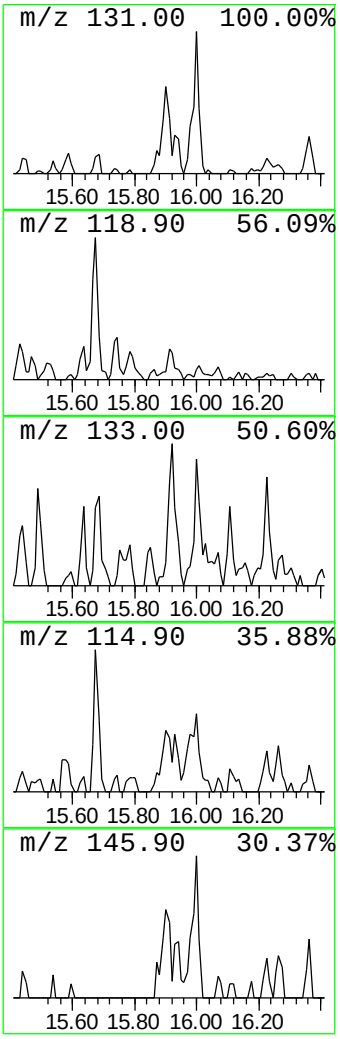
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	11.14 ug/l	135341	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	53
4	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	49
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	49





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

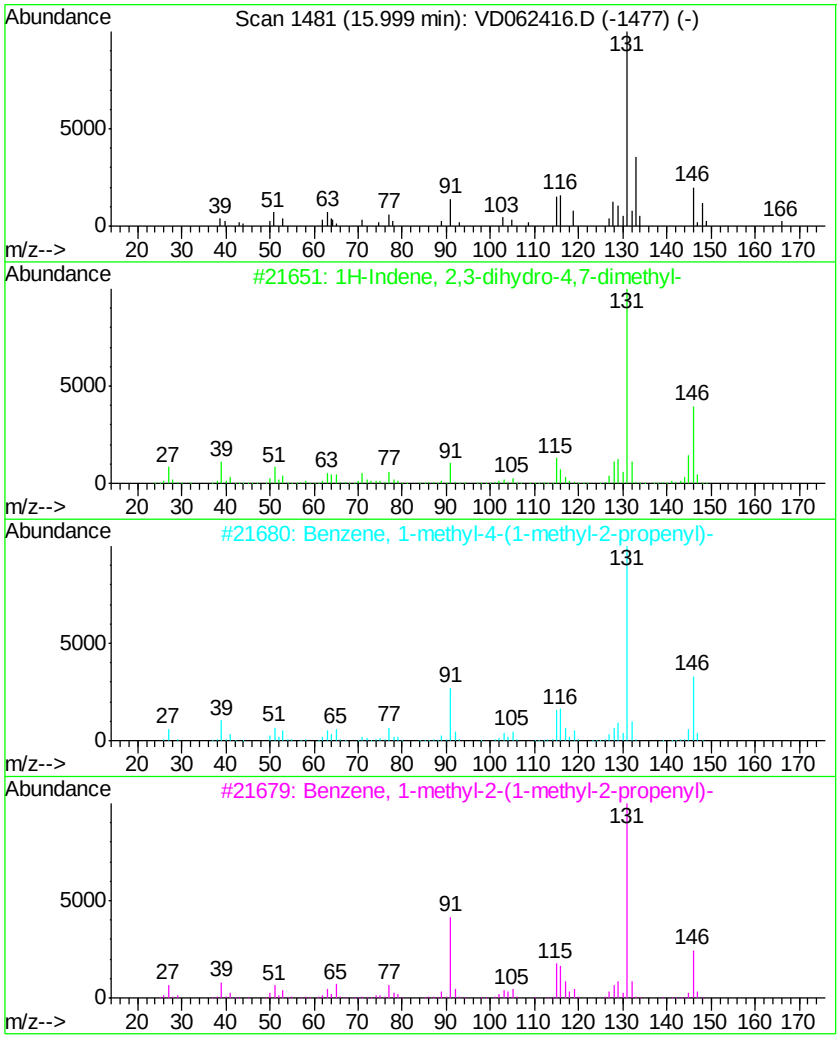
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

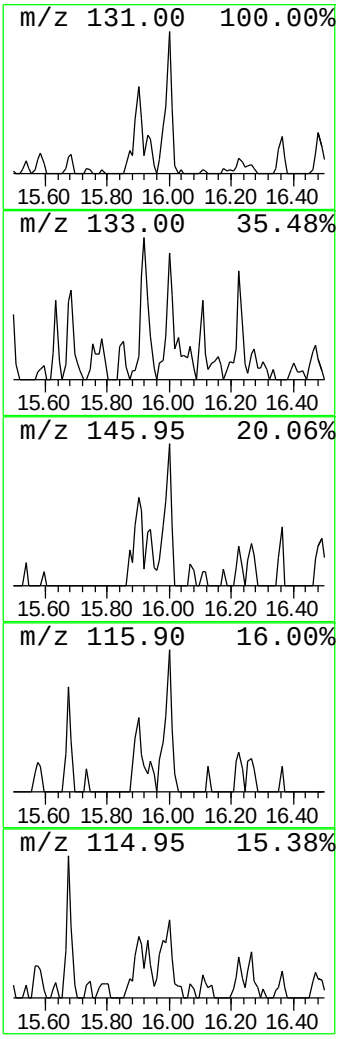
****

Peak Number 6 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	7.94 ug/l	96390	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051619\
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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
Spiro[3.4]octan-1...	14.81	5.6	ug/l	67736	4	14.52	607354	50.0
Benzene, 1-methyl...	15.14	6.4	ug/l	78223	4	14.52	607354	50.0
unknown15.43	15.43	5.2	ug/l	63560	4	14.52	607354	50.0
Benzene, 2-butenyl-	15.67	12.4	ug/l	150292	4	14.52	607354	50.0
1H-Indene, 2,3-di...	15.91	11.1	ug/l	135341	4	14.52	607354	50.0
1H-Indene, 2,3-di...	16.00	7.9	ug/l	96390	4	14.52	607354	50.0