LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

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\82D080919S.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	1.484	3	6	26	rVB	1570903	5008683	11.97%	0.884%
2	3.227	178	183	197	rBV	216456	624352	1.49%	0.110%
3	6.938	554	560	567	rBV	447204	1247950	2.98%	0.220%
4	7.066	567	573	586	rVB	590441	1759553	4.20%	0.311%
5	7.469	608	614	623	rBV	326049	900923	2.15%	0.159%
6	8.237	685	692	704	rBV	794843	2052575	4.90%	0.362%
7	10.433	908	915	922	rBV	608421	1458918	3.49%	0.258%
8	11.850	1055	1059	1064	rBV	455519	1011034	2.42%	0.179%
9	12.146	1085	1089	1091	rVV	434186	817211	1.95%	0.144%
10	12.195	1091	1094	1098	rVB	239398	465086	1.11%	0.082%
11	12.333	1103	1108	1110	rBV	375774	739297	1.77%	0.131%
12	12.392	1110	1114	1118	rVB	676531	1248995	2.98%	0.221%
13	12.569	1127	1132	1136	rBV	370527	713062	1.70%	0.126%
14	12.667	1136	1142	1144	rBV2	692326	1655448	3.95%	0.292%
15	12.716	1144	1147	1150	rVB2	1020269	1656337	3.96%	0.292%
16	12.776	1150	1153	1159	rVB	792838	1481283	3.54%	0.262%
17	12.874	1159	1163	1167	rBV2	609888	1148879	2.74%	0.203%
18	12.943	1167	1170	1174	rBV2	337983	652772	1.56%	0.115%
19	13.022	1174	1178	1181	rBV2	2758735	6169989	14.74%	1.090%
20	13.120	1185	1188	1192	rBV	1206798	2311723	5.52%	0.408%
21	13.248	1195	1201	1204	rBV2	4850074	9646527	23.05%	1.703%
22	13.356	1204	1212	1217	rBV2	6806355	20226783	48.32%	3.572%
23	13.425	1217	1219	1222	rVB2	1720083	2722117	6.50%	0.481%
24	13.504	1222	1227	1230	rBV3	5127205	12916931	30.86%	2.281%
25	13.573	1230	1234	1239	rBV2	4202141	8810001	21.05%	1.556%
26	13.632	1239	1240	1242	rBV2	722747	971951	2.32%	0.172%
27	13.691	1244	1246	1248	rBV2	3482861	4526206	10.81%	0.799%
28	13.740	1248	1251	1258	rVB2	10545570	19886869	47.51%	3.512%
29	13.858	1258	1263	1266	rBV4	5868726	15165579	36.23%	2.678%
30	13.947	1266	1272	1274	rBV4	7552106	23046916	55.06%	4.070%
31	13.996	1274	1277	1280	rVB2	8852651	15582282	37.23%	2.752%
32	14.055	1280	1283	1285	rBV2	3976360	6128176	14.64%	1.082%
33	14.085	1285	1286	1288	rVB	1855845	2184598	5.22%	0.386%
34	14.144	1288	1292	1295	rBV3	9989111	24058712	57.48%	4.249%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

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\82D080919S.M
Title : SW846 8260

35	14.193	1295	1297	1299	rVV2	6417967	12241834	29.25%	2.162%
36	14.232	1299	1301	1304	rVV	21297960	34273471	81.88%	6.052%
37	14.292	1304	1307	1310	rVV2	10706947	18779625	44.87%	3.316%
38	14.360	1311	1314	1316	rVV	7163511	13900284	33.21%	2.455%
39	14.410	1316	1319	1322	rVV4	12770317	27037901	64.60%	4.775%
40	14.469	1322	1325	1327	rVV	11729392	21912677	52.35%	3.870%
41	14.498	1327	1328	1331	rVV2	8466195	11108443	26.54%	1.962%
42	14.547	1331	1333	1335	rVV2	11577620	18907295	45.17%	3.339%
43	14.616	1338	1340	1342	rVV2	6285456	9095297	21.73%	1.606%
44	14.675	1344	1346	1349	rVV	11832447	15086015	36.04%	2.664%
45	14.725	1349	1351	1353	rVV2	2562150	3022069	7.22%	0.534%
46	14.764	1353	1355	1357	rVB2	3279950	4835170	11.55%	0.854%
47	14.843	1357	1363	1367	rBV4	16569525	41857543	100.00%	7.392%
48	14.922	1370	1371	1372	rVV	4559385	4935153	11.79%	0.872%
49	14.971	1373	1376	1379	rVV3	9466253	19282900	46.07%	3.405%
50	15.050	1380	1384	1392	rVB4	11388361	35994348	85.99%	6.356%
51	15.148	1392	1394	1400	rVB4	5996024	15132673	36.15%	2.672%
52	15.256	1400	1405	1407	rVB4	5011129	12512006	29.89%	2.210%
53	15.315	1407	1411	1413	rBV2	10363474	19512520	46.62%	3.446%
54	15.424	1419	1422	1423	rBV	2436647	3805048	9.09%	0.672%
55	15.453	1423	1425	1428	rVV2	6407072	8941566	21.36%	1.579%
56	15.493	1428	1429	1432	rVB3	2301556	2397078	5.73%	0.423%
57	15.532	1432	1433	1438	rVB4	1306586	1748670	4.18%	0.309%
58	15.601	1438	1440	1444	rVB3	879898	1876652	4.48%	0.331%
59	15.768	1455	1457	1461	rVB	1068281	1426617	3.41%	0.252%
60	15.837	1461	1464	1466	rVV2	2245018	3238389	7.74%	0.572%
61	15.906	1469	1471	1473	rVB	606950	818257	1.95%	0.144%
62	15.945	1473	1475	1479	rVB2	448542	672658	1.61%	0.119%
63	16.064	1485	1487	1491	rVB3	428843	687589	1.64%	0.121%
64	16.172	1494	1498	1502	rVV3	468241	988106	2.36%	0.174%
65	16.231	1502	1504	1511	rVB4	267256	706654	1.69%	0.125%
66	16.388	1518	1520	1528	rVB6	153867	548076	1.31%	0.097%

Sum of corrected areas: 566280302

LSC Report - Integrated Chromatogram

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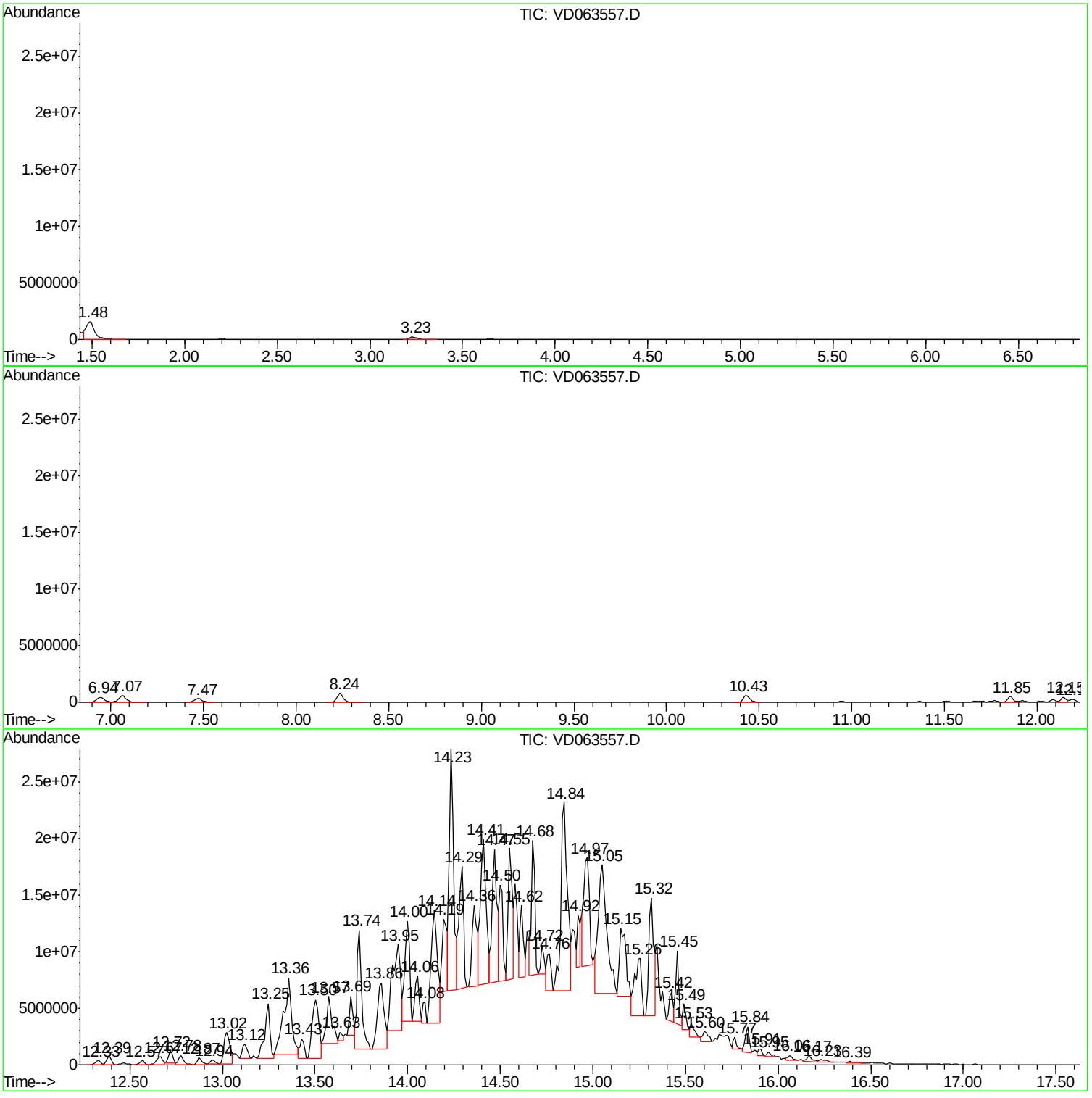
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.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\VD081319\
Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

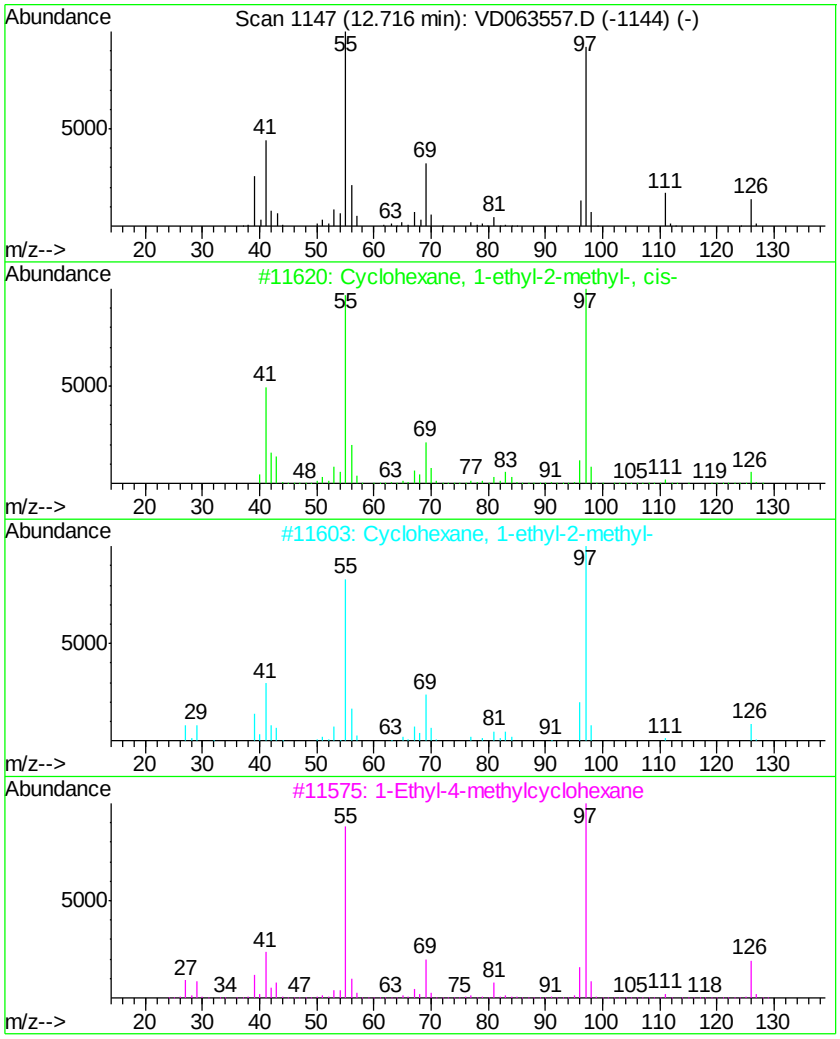
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

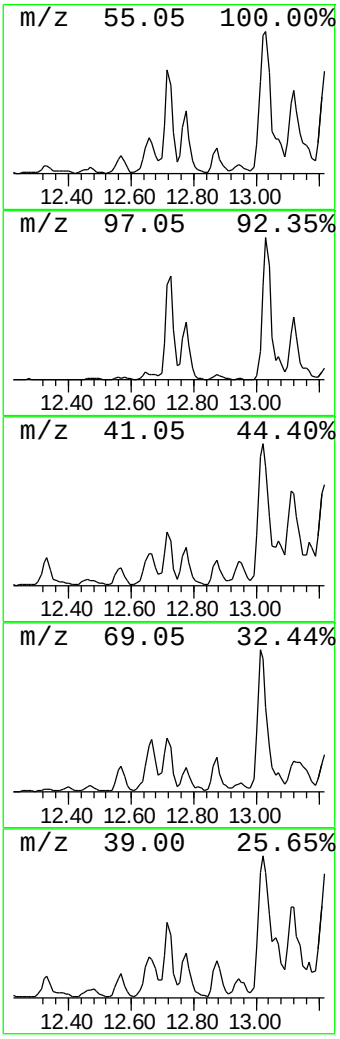
****

Peak Number 2 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	66.31 ug/l	1656340	Chlorobenzene-d5	12.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	87
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	68
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

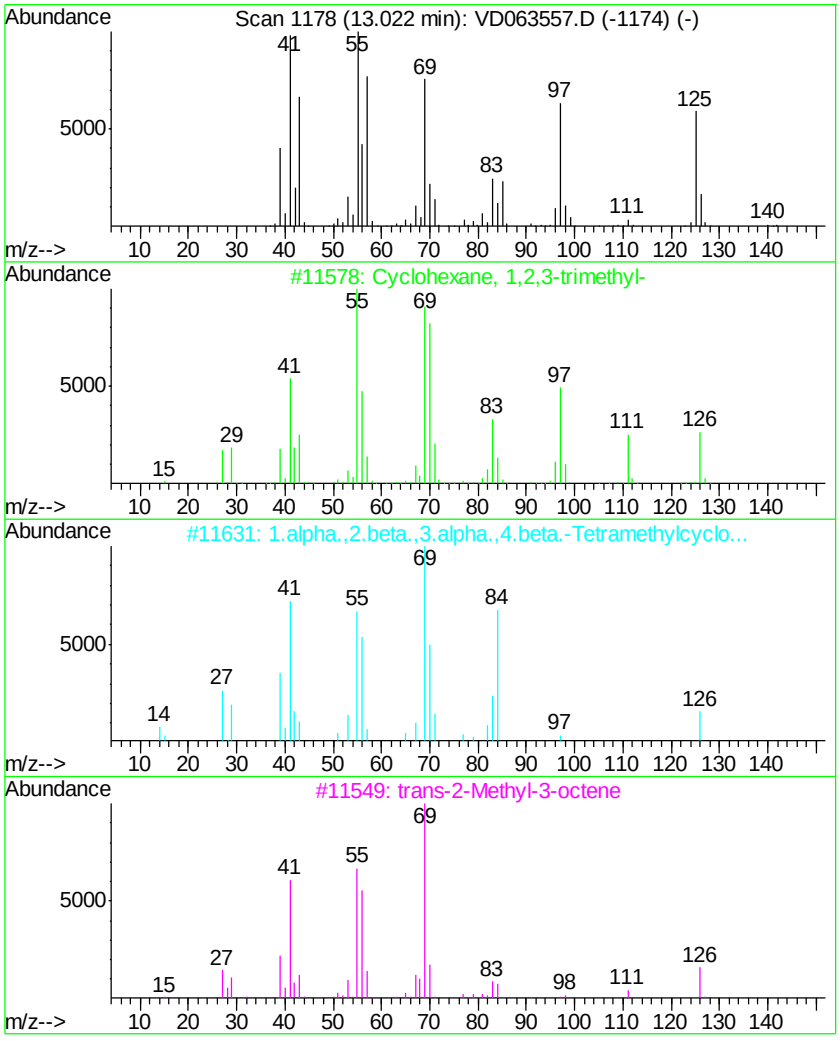
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

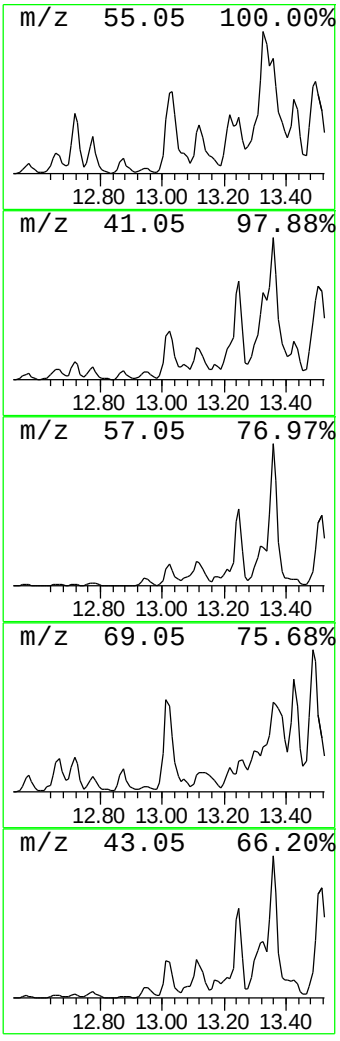
****

Peak Number 3 Cyclohexane, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	247.00 ug/l	6169990	Chlorobenzene-d5	12.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	70
2	1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	46
3	trans-2-Methyl-3-octene	126	C9H18	052937-36-7	43
4	2-Methyl-2-octene	126	C9H18	016993-86-5	43
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

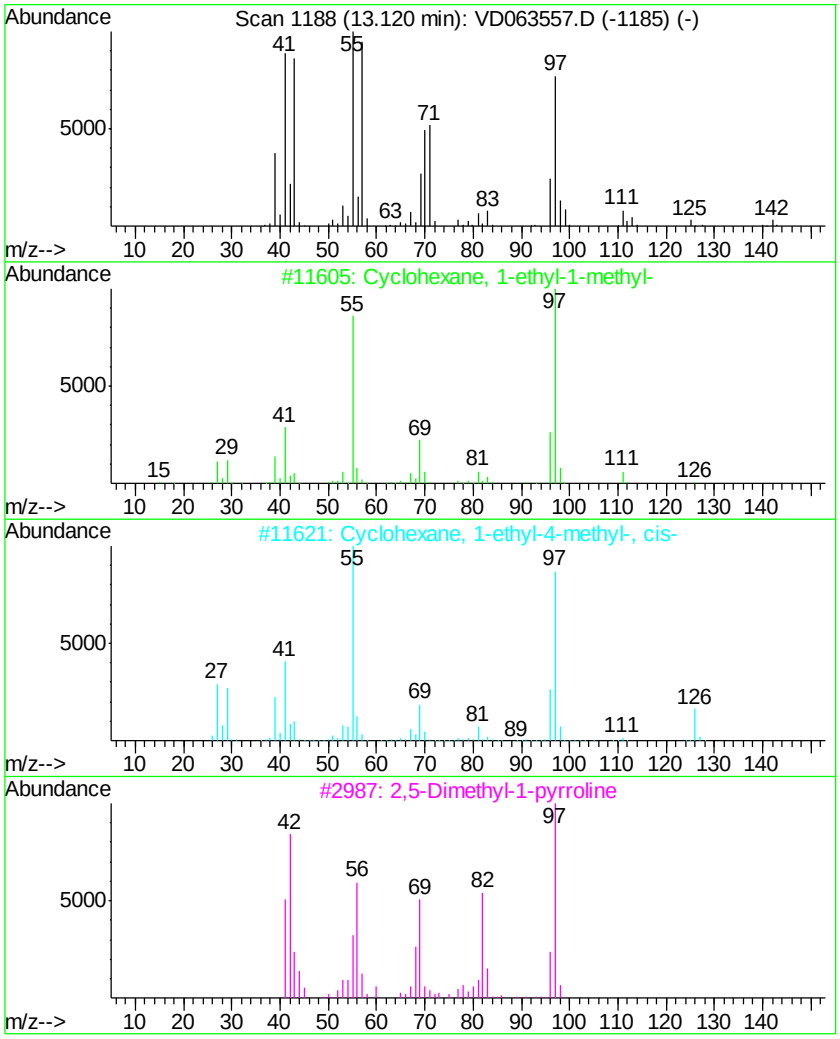
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

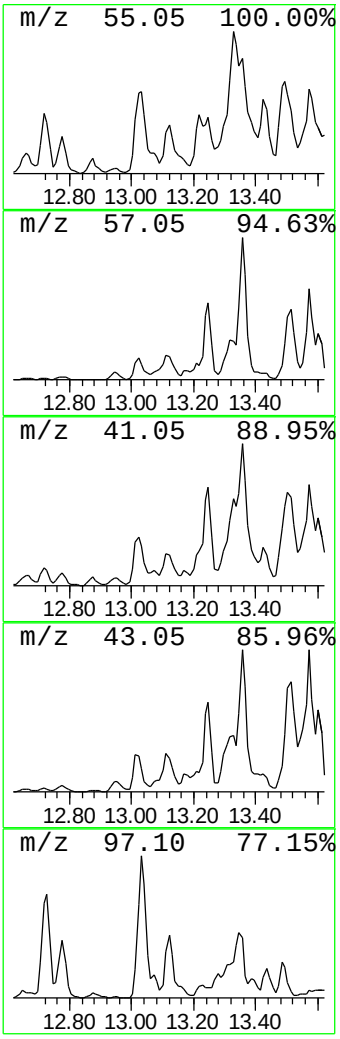
****

Peak Number 4 unknown13.12 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	92.54 ug/l	2311720	Chlorobenzene-d5	12.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	38
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	38
3	2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	38
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

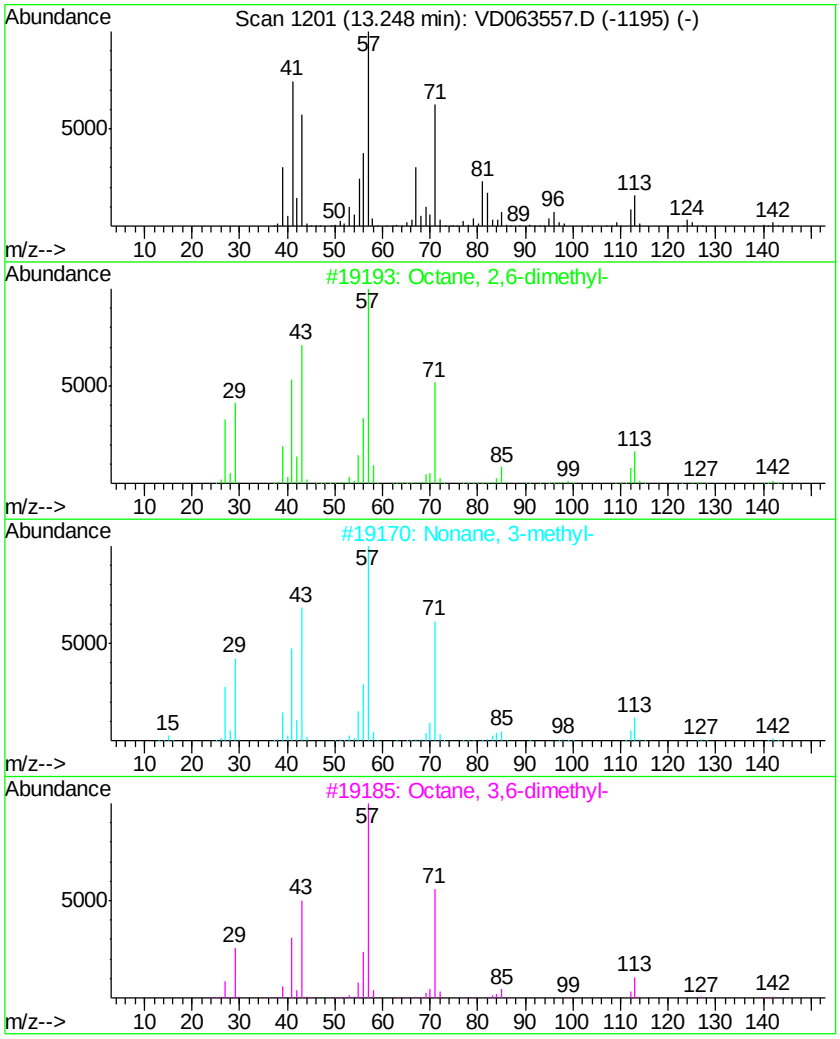
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

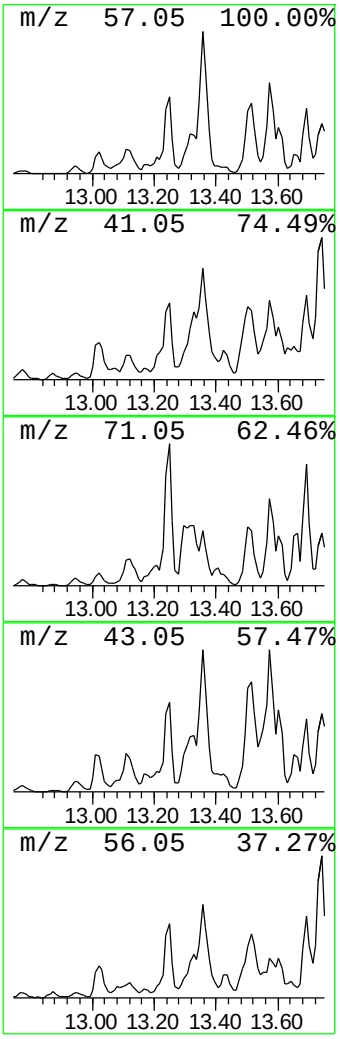
****

Peak Number 5 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	386.17 ug/l	9646530	Chlorobenzene-d5	12.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	68
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	50
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	50





Library Search Compound Report

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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

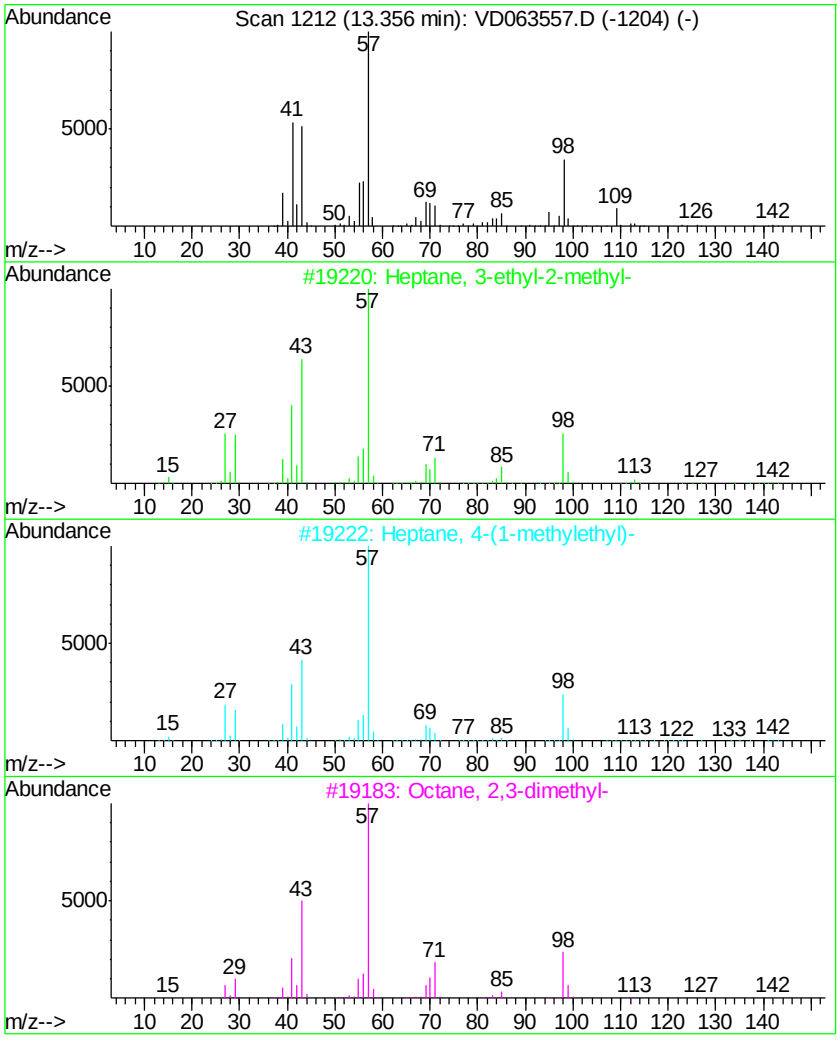
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

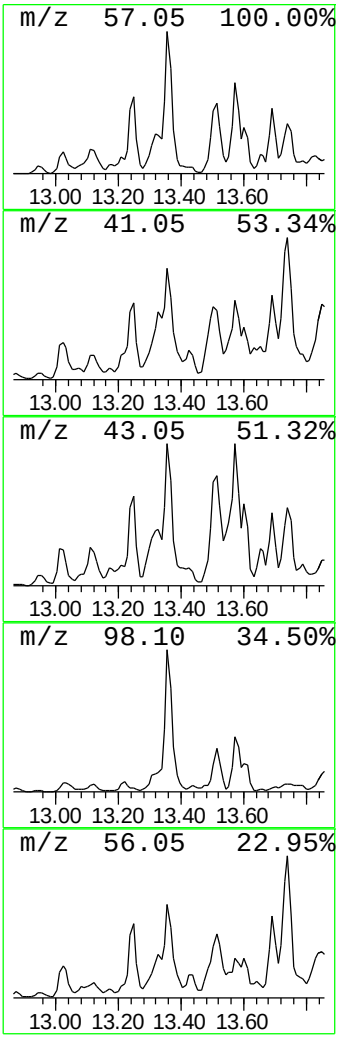
****

Peak Number 6 Heptane, 3-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	809.72 ug/l	20226800	Chlorobenzene-d5	12.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
2	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	43
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
4	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	38
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	38





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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

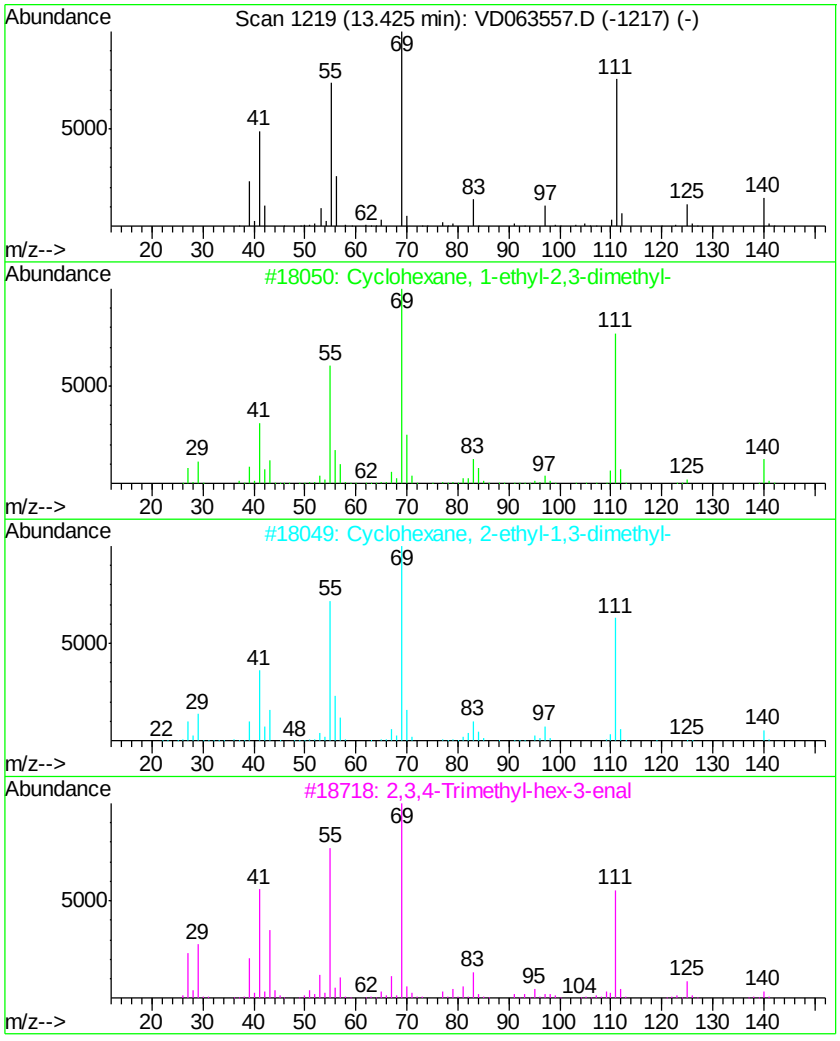
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

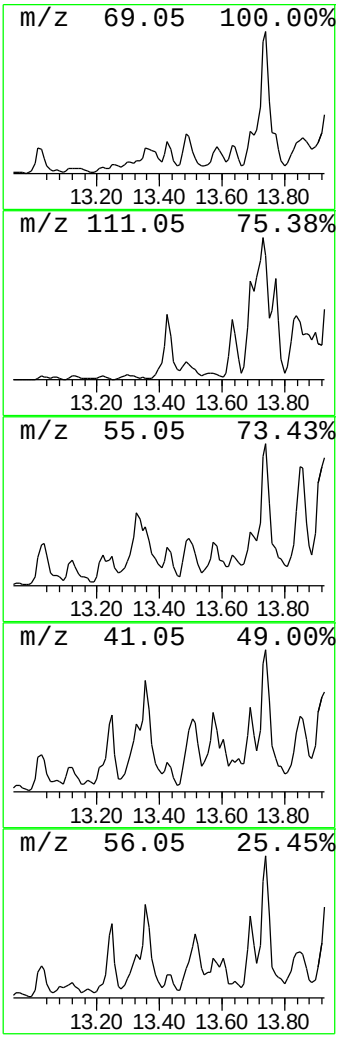
****

Peak Number 7 Cyclohexane, 1-ethyl-2,3-di... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	108.97 ug/l	2722120	Chlorobenzene-d5	12.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	80
2	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	78
3	2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	72
4	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	72
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

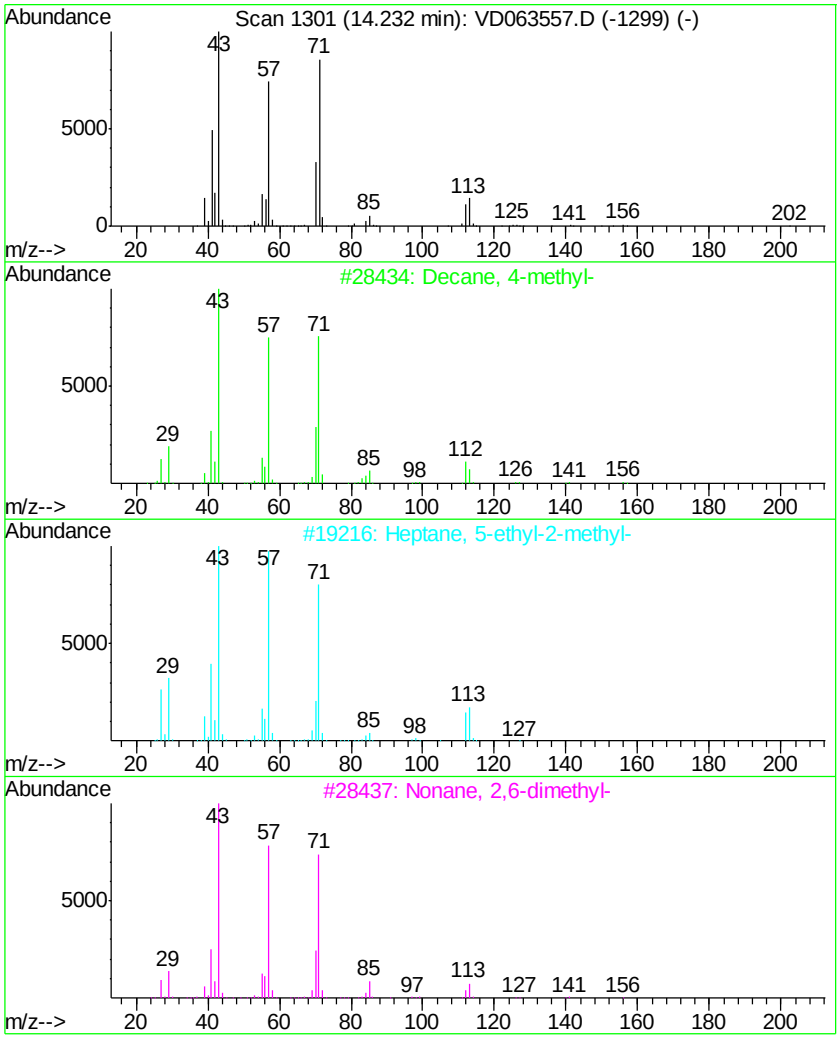
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

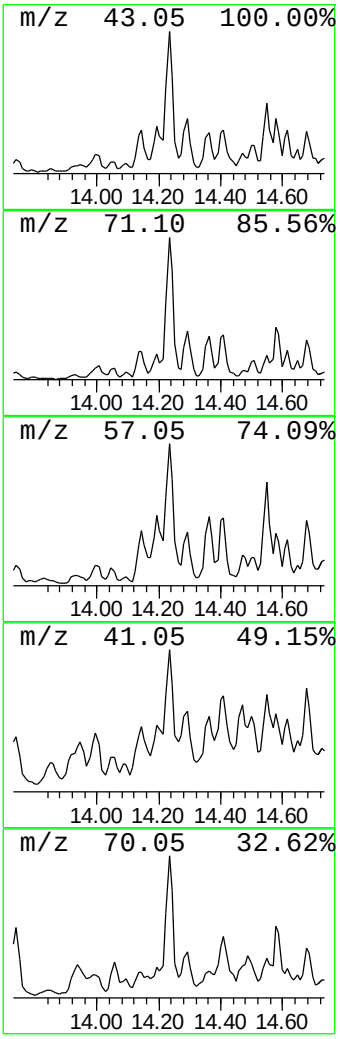
****

Peak Number 8 Decane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	90.64 ug/l	34273500	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	90
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72





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Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

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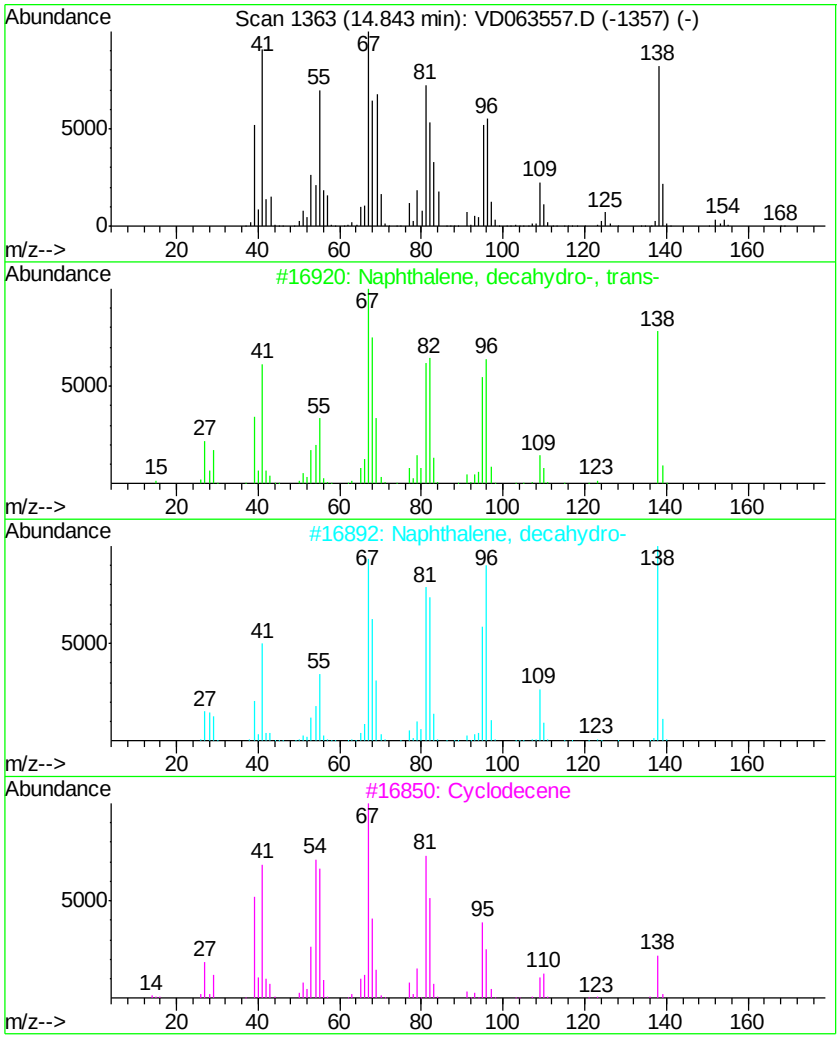
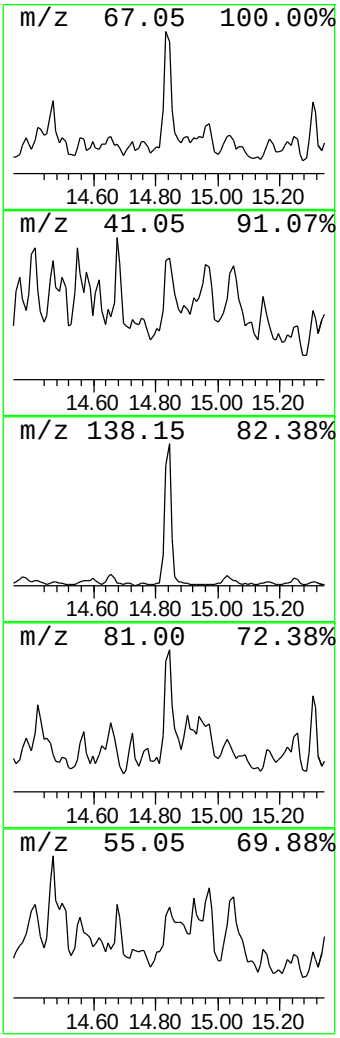
Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	110.69 ug/l	41857500	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	Cyclodecene	138	C10H18	003618-12-0	90
4	Bicyclo[2.2.1]heptane, 2-methyl-...	110	C8H14	000872-78-6	87
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

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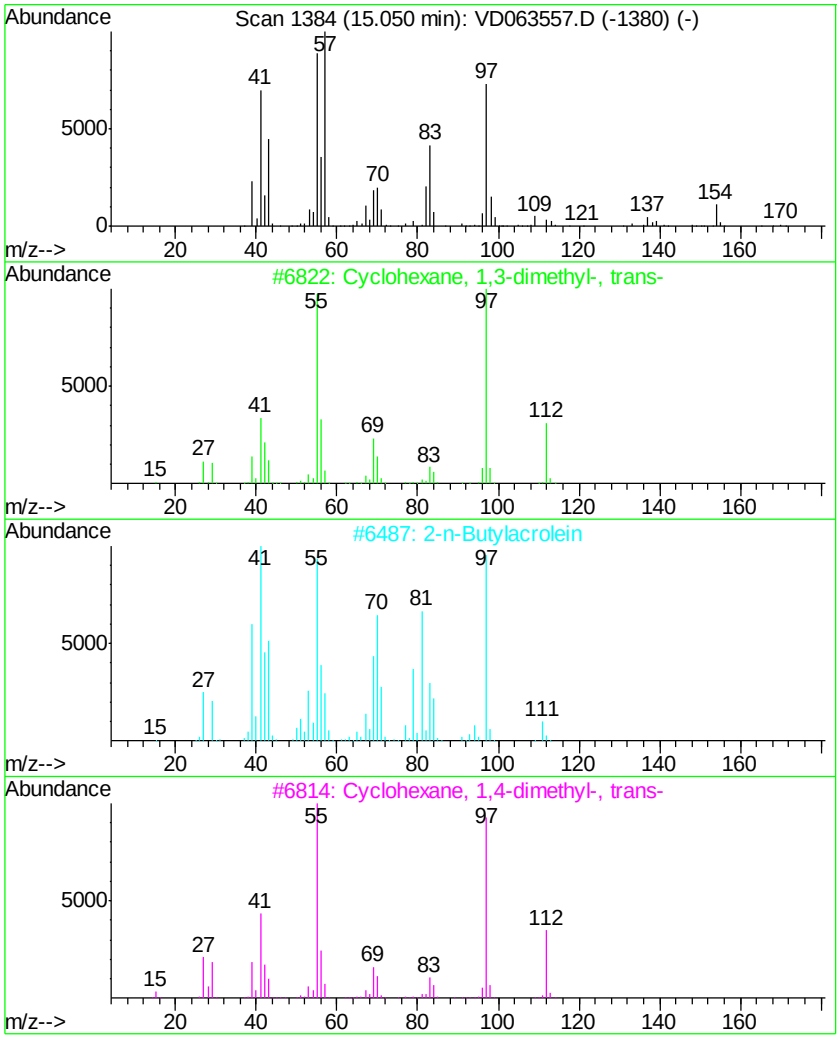
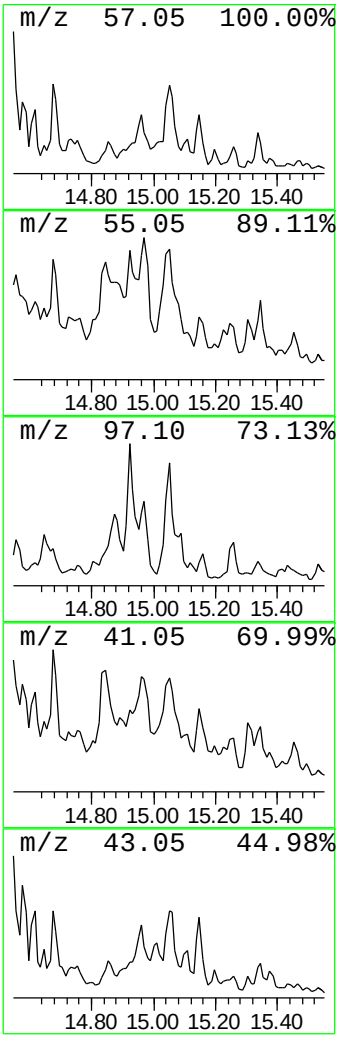
Peak Number 10 unknown15.05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	95.19 ug/l	35994300	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	47
2	2-n-Butylacrolein	112	C7H12O	001070-66-2	43
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	43
4	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	43
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081319\
Data File : VD063557.D
Acq On : 14 Aug 2019 6:39
Operator : JC/SY
Sample : K4324-08
Misc : 5.49g/5ml/MSVOA_D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C1-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.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
Cyclohexane, 1-et...	12.72	66.3	ug/l	1656340	3	12.39	1249000	50.0
Cyclohexane, 1,2,...	13.02	247.0	ug/l	6169990	3	12.39	1249000	50.0
unknown13.12	13.12	92.5	ug/l	2311720	3	12.39	1249000	50.0
Octane, 2,6-dimet...	13.25	386.2	ug/l	9646530	3	12.39	1249000	50.0
Heptane, 3-ethyl-...	13.36	809.7	ug/l	20226800	3	12.39	1249000	50.0
Cyclohexane, 1-et...	13.43	109.0	ug/l	2722120	3	12.39	1249000	50.0
Decane, 4-methyl-	14.23	90.6	ug/l	34273500	4	14.55	18907300	50.0
Naphthalene, deca...	14.84	110.7	ug/l	41857500	4	14.55	18907300	50.0
unknown15.05	15.05	95.2	ug/l	35994300	4	14.55	18907300	50.0