LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063101.D
Acq On : 16 Jul 2019 12:48
Operator : VA/AP
Sample : K3761-01
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

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\82D071519S.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	689835	2087559	87.43%	4.026%
2	1.819	38	40	45	rVB2	13191	27942	1.17%	0.054%
3	3.217	178	182	190	rVB2	17700	50970	2.13%	0.098%
4	3.364	193	197	203	rVB2	9646	24461	1.02%	0.047%
5	3.817	238	243	251	rBV2	15030	48632	2.04%	0.094%
6	6.918	548	558	564	rBV	445324	1310741	54.90%	2.528%
7	7.036	564	570	584	rVB	682480	2002868	83.89%	3.863%
8	7.440	605	611	622	rBV	329779	875783	36.68%	1.689%
9	8.208	683	689	703	rBV	815101	2118351	88.72%	4.085%
10	10.403	906	912	925	rBV	982525	2262859	94.77%	4.364%
11	11.230	991	996	1000	rBV	14049	37413	1.57%	0.072%
12	11.673	1037	1041	1044	rVB3	12017	26034	1.09%	0.050%
13	12.116	1083	1086	1088	rBV2	20237	40056	1.68%	0.077%
14	12.165	1088	1091	1098	rVB3	34238	84414	3.54%	0.163%
15	12.303	1101	1105	1107	rBV	35556	55321	2.32%	0.107%
16	12.362	1107	1111	1117	rVV	1287085	2085490	87.35%	4.022%
17	12.539	1124	1129	1132	rBV4	15710	32169	1.35%	0.062%
18	12.608	1132	1136	1139	rVV2	30275	61165	2.56%	0.118%
19	12.697	1142	1145	1146	rVV	49720	79395	3.33%	0.153%
20	12.736	1146	1149	1155	rVB2	109979	194188	8.13%	0.374%
21	12.992	1172	1175	1179	rBV2	73970	168102	7.04%	0.324%
22	13.081	1182	1184	1188	rVB2	43799	66845	2.80%	0.129%
23	13.140	1188	1190	1192	rBV2	18193	24170	1.01%	0.047%
24	13.219	1192	1198	1201	rVB3	77675	148221	6.21%	0.286%
25	13.297	1201	1206	1213	rBV5	103873	250884	10.51%	0.484%
26	13.396	1213	1216	1219	rVB3	44438	67999	2.85%	0.131%
27	13.475	1219	1224	1227	rBV5	62181	146275	6.13%	0.282%
28	13.553	1227	1232	1237	rBV	1485179	2286595	95.77%	4.410%
29	13.662	1240	1243	1245	rBV	129043	154305	6.46%	0.298%
30	13.711	1245	1248	1252	rVB2	97359	162409	6.80%	0.313%
31	13.819	1255	1259	1262	rBV4	40950	88553	3.71%	0.171%
32	13.888	1262	1266	1267	rBV3	35644	66195	2.77%	0.128%
33	13.918	1267	1269	1271	rBV2	64197	88368	3.70%	0.170%
34	13.957	1271	1273	1277	rVB	449104	619280	25.94%	1.194%

LSC Area Percent Report

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Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

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\82D071519S.M
Title : SW846 8260

35	14.016	1277	1279	1282	rVB2	28003	40942	1.71%	0.079%
36	14.055	1282	1283	1285	rVB2	24338	25613	1.07%	0.049%
37	14.114	1285	1289	1291	rBV3	96939	188709	7.90%	0.364%
38	14.164	1291	1294	1295	rBV2	34542	55054	2.31%	0.106%
39	14.193	1295	1297	1300	rVB	99501	137219	5.75%	0.265%
40	14.262	1300	1304	1308	rVB6	66435	142338	5.96%	0.274%
41	14.331	1308	1311	1312	rBV2	68360	110708	4.64%	0.214%
42	14.380	1313	1316	1319	rVB3	59559	87814	3.68%	0.169%
43	14.429	1319	1321	1324	rBV3	112632	194012	8.13%	0.374%
44	14.469	1324	1325	1327	rVB	56209	40961	1.72%	0.079%
45	14.518	1327	1330	1332	rBV	1473333	2081458	87.18%	4.014%
46	14.577	1335	1336	1338	rVB	99566	90507	3.79%	0.175%
47	14.646	1338	1343	1345	rVB2	156264	297390	12.46%	0.574%
48	14.685	1345	1347	1350	rVB4	43049	50391	2.11%	0.097%
49	14.764	1353	1355	1357	rBV2	69417	104856	4.39%	0.202%
50	14.804	1357	1359	1364	rBV	420088	608307	25.48%	1.173%
51	14.882	1364	1367	1370	rBV2	615175	795606	33.32%	1.534%
52	14.941	1370	1373	1376	rVB2	135609	211673	8.87%	0.408%
53	15.030	1376	1382	1385	rBV3	144075	463579	19.42%	0.894%
54	15.119	1389	1391	1395	rBV5	123383	218137	9.14%	0.421%
55	15.178	1395	1397	1399	rBV2	123675	185462	7.77%	0.358%
56	15.217	1399	1401	1404	rVB3	195682	319432	13.38%	0.616%
57	15.276	1404	1407	1409	rBV	941494	1245398	52.16%	2.402%
58	15.315	1409	1411	1413	rVB2	334896	370160	15.50%	0.714%
59	15.355	1413	1415	1416	rBV	86423	82561	3.46%	0.159%
60	15.384	1416	1418	1420	rBV3	297941	293873	12.31%	0.567%
61	15.424	1420	1422	1426	rBV2	482142	804866	33.71%	1.552%
62	15.473	1426	1427	1429	rBV	188009	193618	8.11%	0.373%
63	15.503	1429	1430	1434	rVB2	163543	234179	9.81%	0.452%
64	15.601	1434	1440	1442	rBV5	308963	782612	32.78%	1.509%
65	15.650	1442	1445	1447	rBV	1086728	1643327	68.83%	3.169%
66	15.699	1447	1450	1453	rBV3	796691	1426784	59.76%	2.752%
67	15.739	1453	1454	1458	rVB	427102	573612	24.02%	1.106%
68	15.808	1458	1461	1465	rBV	1389894	2387631	100.00%	4.605%
69	15.877	1465	1468	1471	rVB3	455078	971790	40.70%	1.874%
70	15.926	1471	1473	1475	rBV3	219276	370554	15.52%	0.715%
71	15.975	1475	1478	1479	rBV3	327451	568047	23.79%	1.095%

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Integration Parameters: RTEINT.P
Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Title : SW846 8260

72	16.005	1479	1481	1483	rVV2	244789	411356	17.23%	0.793%
73	16.044	1483	1485	1487	rVV2	605996	1210909	50.72%	2.335%
74	16.073	1487	1488	1493	rVV3	630571	1479811	61.98%	2.854%
75	16.142	1493	1495	1497	rVV	1523252	1989664	83.33%	3.837%
76	16.211	1500	1502	1507	rVB5	564585	1520462	63.68%	2.932%
77	16.310	1507	1512	1515	rBV	1103381	1803133	75.52%	3.477%
78	16.369	1515	1518	1520	rVV3	331917	774812	32.45%	1.494%
79	16.408	1520	1522	1525	rVV2	497798	750676	31.44%	1.448%
80	16.487	1528	1530	1532	rBV3	197991	293333	12.29%	0.566%
81	16.585	1537	1540	1543	rVV5	460499	1419603	59.46%	2.738%
82	16.635	1543	1545	1548	rVV3	410256	1046187	43.82%	2.018%
83	16.723	1551	1554	1557	rVV	669136	1438572	60.25%	2.774%
84	16.772	1557	1559	1563	rVV5	278231	644655	27.00%	1.243%
85	16.831	1563	1565	1569	rVB3	137477	283921	11.89%	0.548%
86	16.989	1579	1581	1588	rVB8	85405	221016	9.26%	0.426%
87	17.245	1603	1607	1612	rVV4	81606	216285	9.06%	0.417%
88	17.304	1612	1613	1618	rVB4	27464	46587	1.95%	0.090%
89	17.471	1626	1630	1632	rVB5	13644	35321	1.48%	0.068%
90	17.530	1632	1636	1638	rVB5	12431	24207	1.01%	0.047%

Sum of corrected areas: 51853702

LSC Report - Integrated Chromatogram

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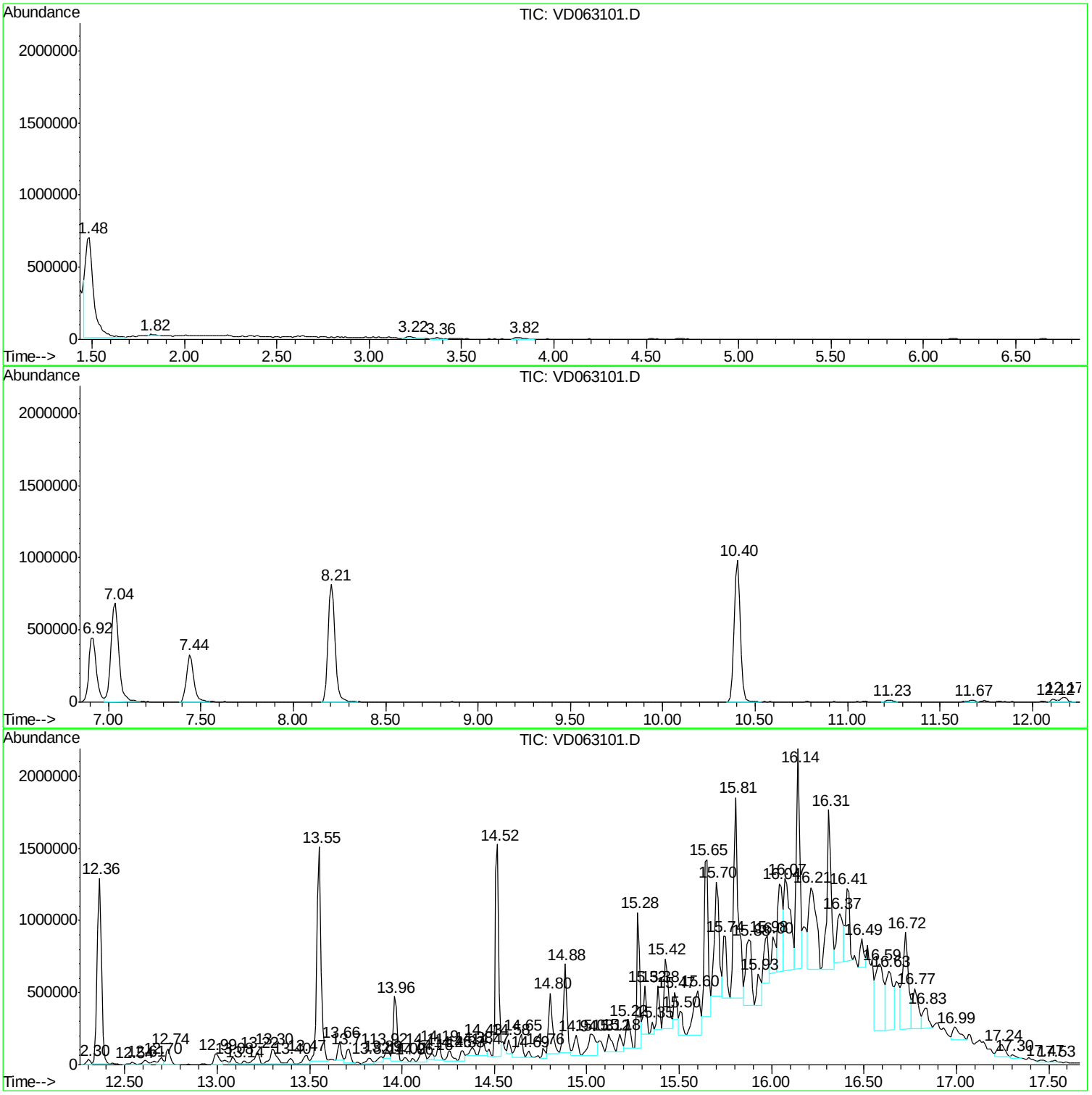
Sample : K3761-01
Misc : 5.06g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.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\VD071619\
Data File : VD063101.D
Acq On : 16 Jul 2019 12:48
Operator : VA/AP
Sample : K3761-01
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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
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Quant Title : SW846 8260

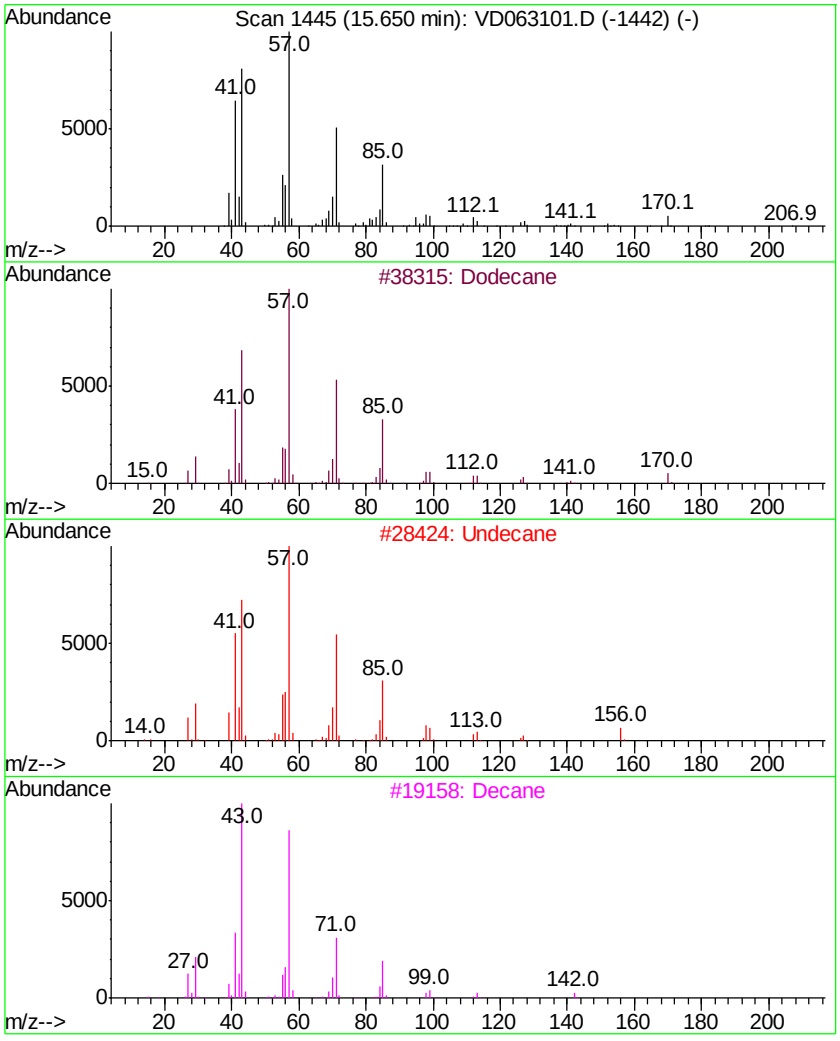
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

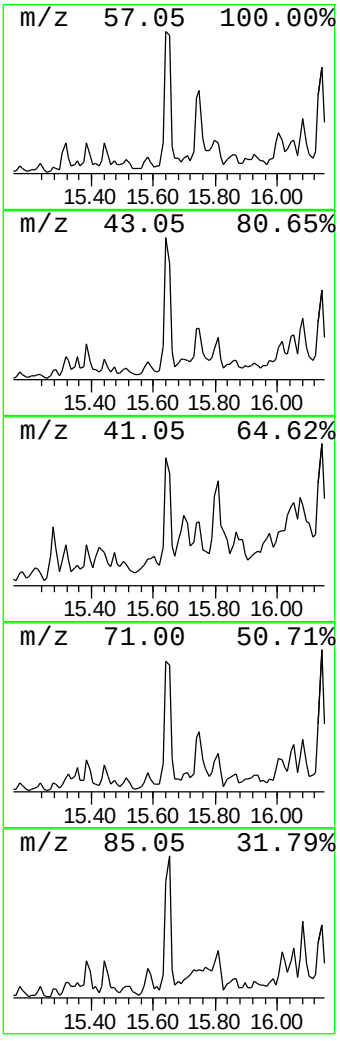
****

Peak Number 2 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	39.48 ug/l	1643330	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	94
2	Undecane	156	C11H24	001120-21-4	86
3	Decane	142	C10H22	000124-18-5	72
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
5	Tridecane	184	C13H28	000629-50-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063101.D
Acq On : 16 Jul 2019 12:48
Operator : VA/AP
Sample : K3761-01
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

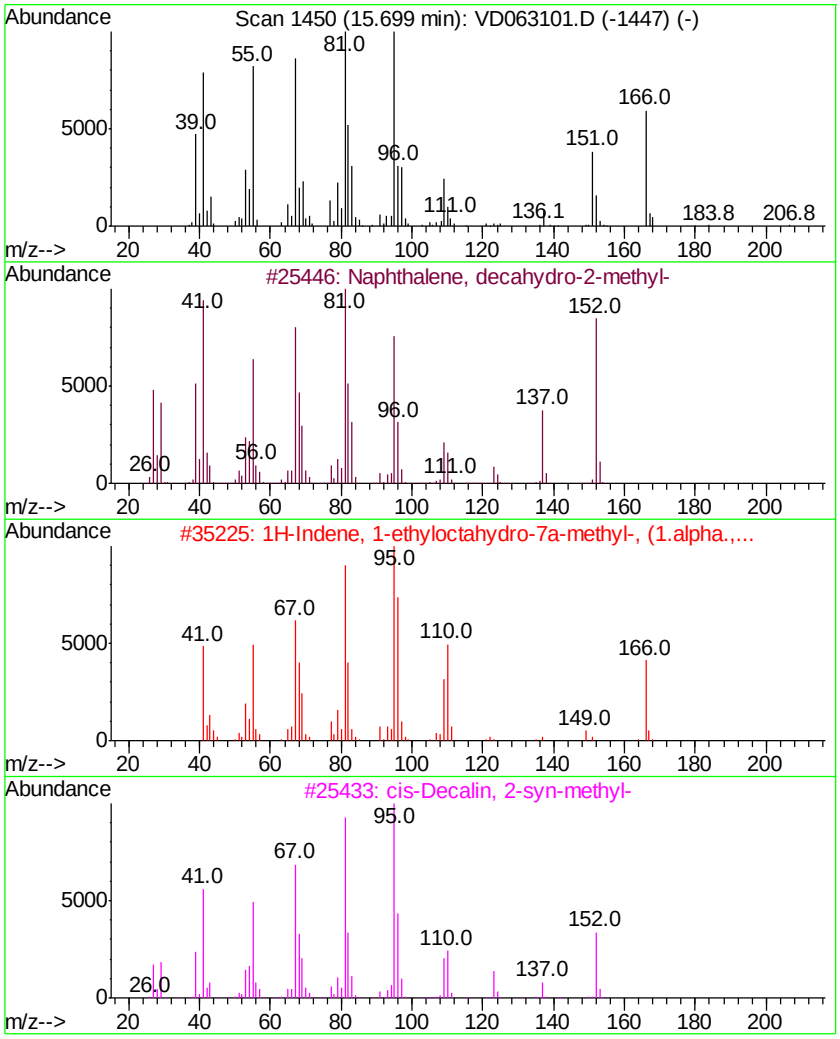
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

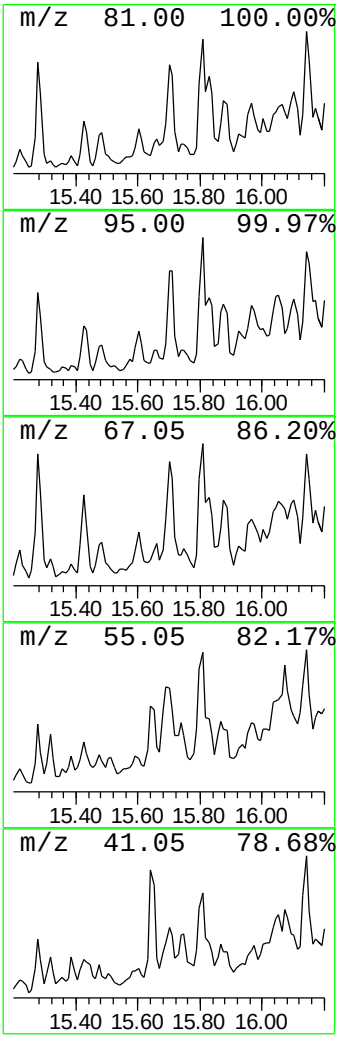
****

Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	34.27 ug/l	1426780	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
2	1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	74
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64
4	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	64
5	Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	49





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Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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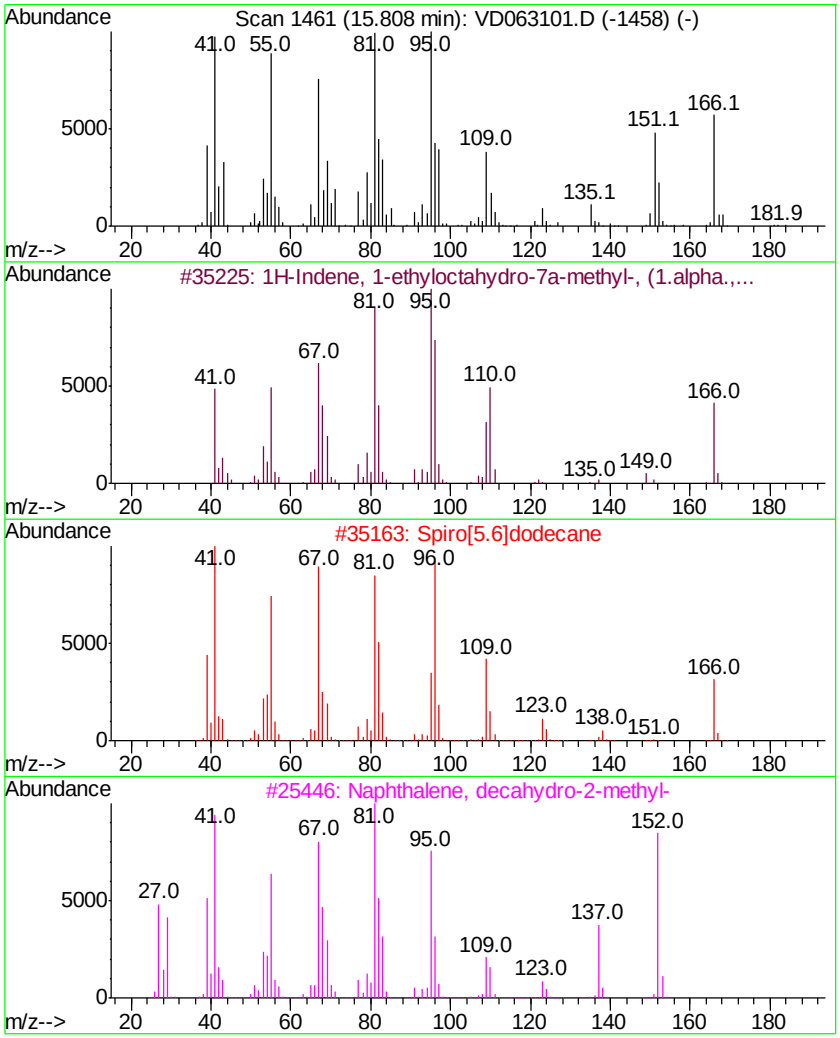
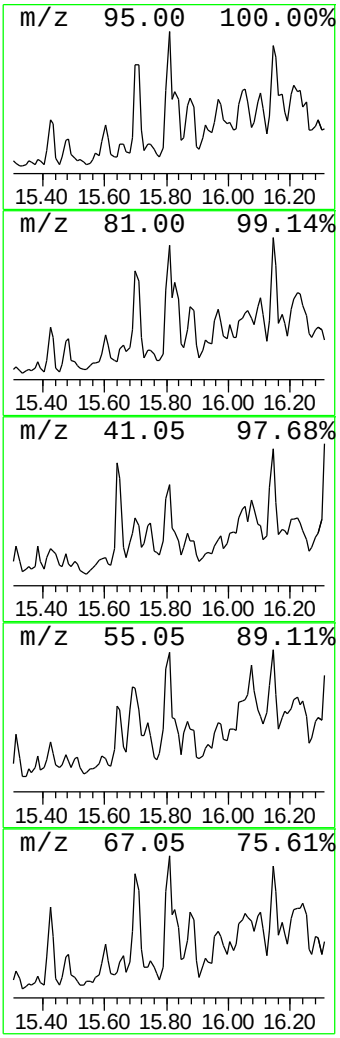
Peak Number 4 1H-Indene, 1-ethyloctahydro... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	57.35 ug/l	2387630	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	86
2	Spiro[5.6]dodecane	166	C12H22	000181-15-7	60
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	58
4	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	55
5	Pulegone	152	C10H16O	000089-82-7	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
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Sample : K3761-01
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

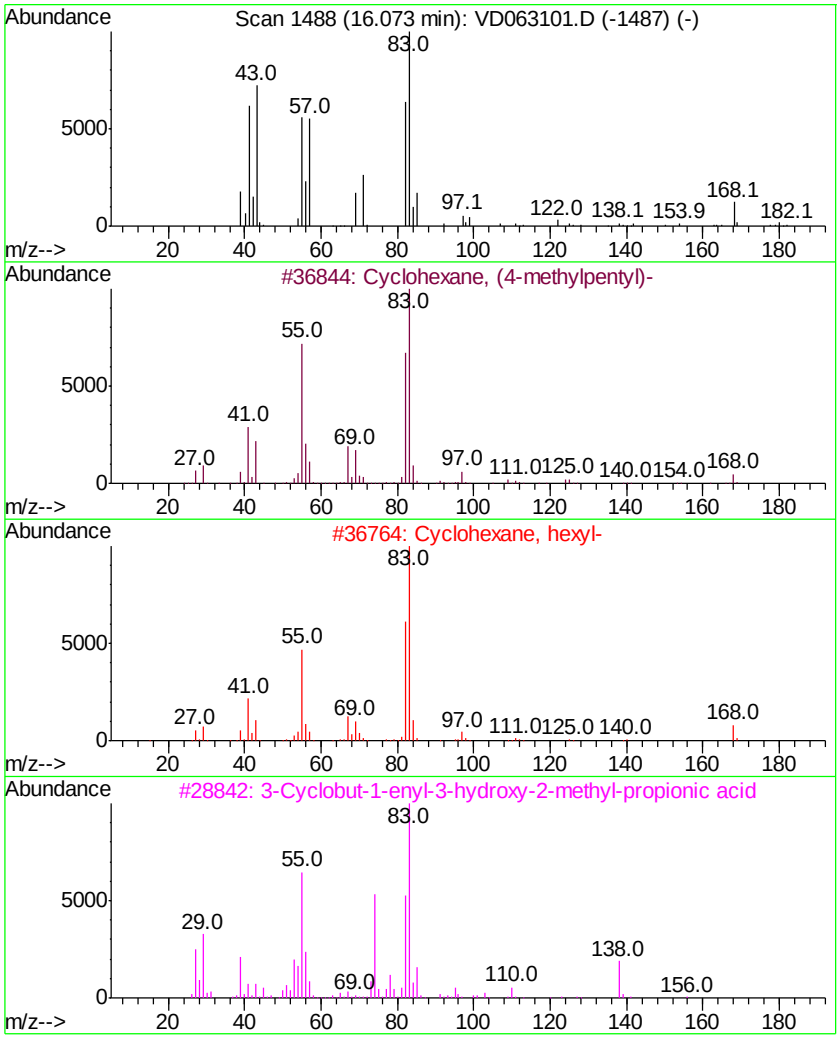
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

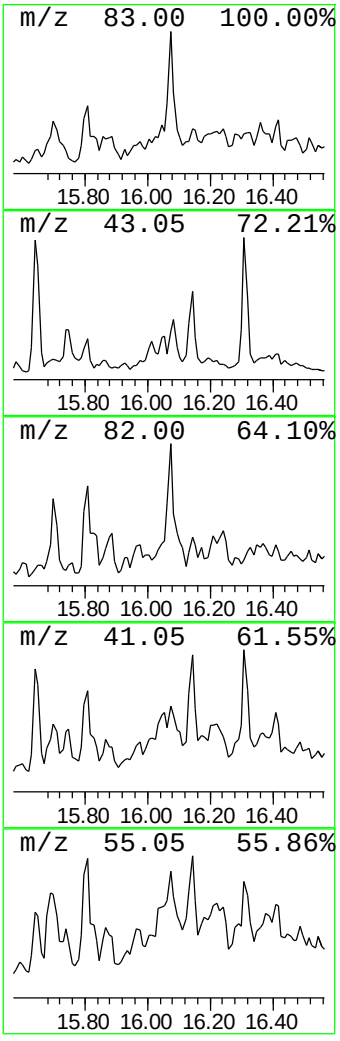
****

Peak Number 5 Cyclohexane, (4-methylpentyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	35.55 ug/l	1479810	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
3	3-Cyclobut-1-enyl-3-hydroxy-2-me...	156	C8H12O3	1000186-72-4	59
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	53
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53





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Data File : VD063101.D
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Sample : K3761-01
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

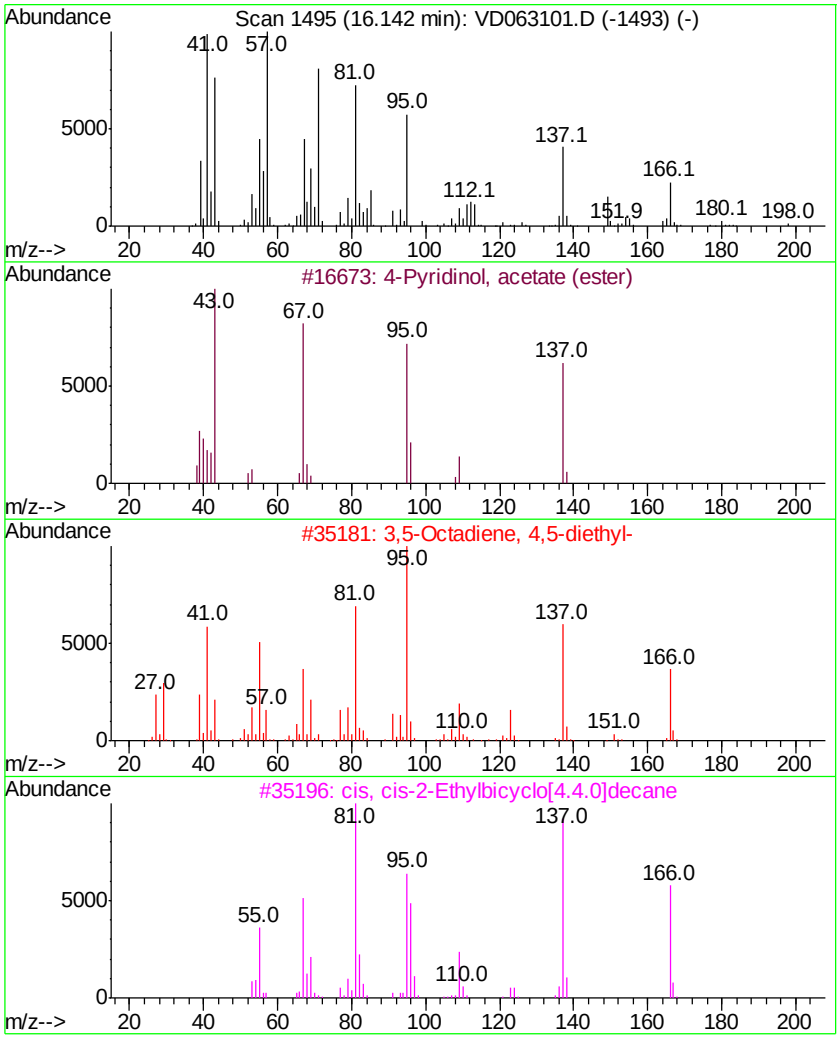
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

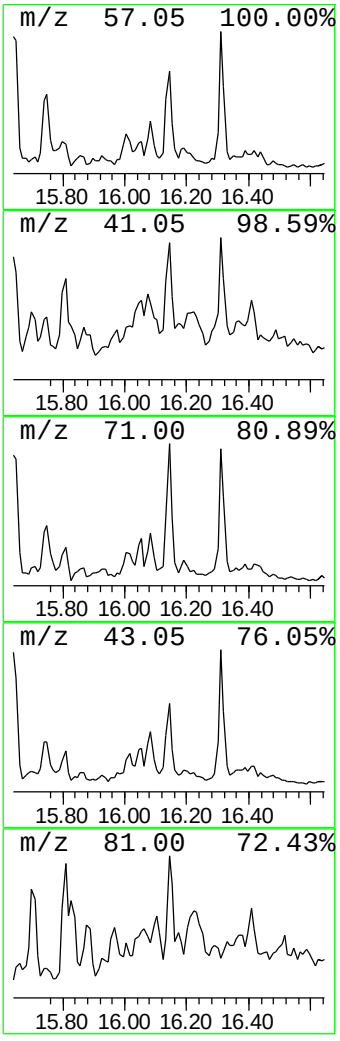
****

Peak Number 6 unknown16.14 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	47.80 ug/l	1989660	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinol, acetate (ester)	137	C7H7NO2	014210-20-9	41
2	3,5-Octadiene, 4,5-diethyl-	166	C12H22	067652-84-0	38
3	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	38
4	3,5-Decadiene, 2,2-dimethyl-, (Z...	166	C12H22	055638-50-1	25
5	3-Hydroxypyridine monoacetate	137	C7H7NO2	017747-43-2	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063101.D
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Quant Title : SW846 8260

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

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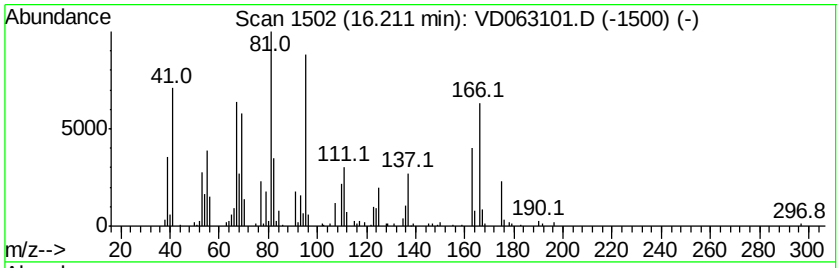
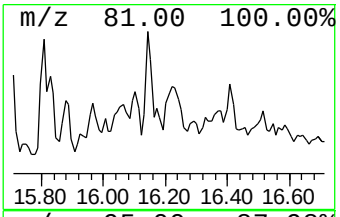
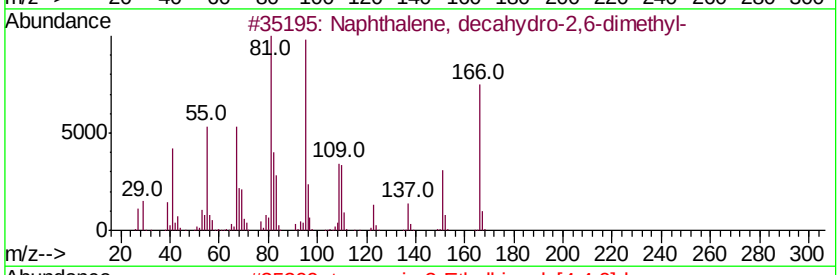
Peak Number 7 Naphthalene, decahydro-2,6-... Concentration Rank 6

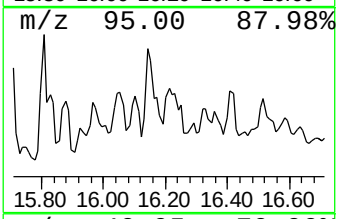
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	36.52 ug/l	1520460	1,4-Dichlorobenzene-d4	14.52

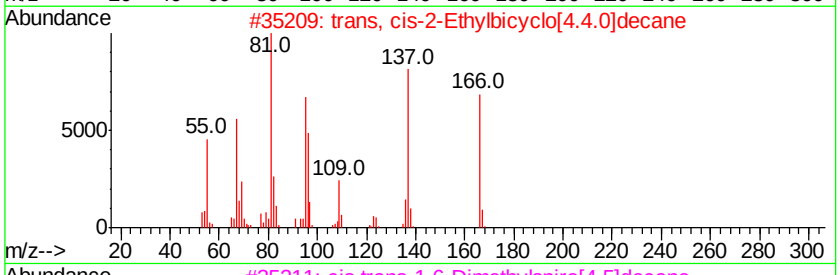
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	70
2	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	64
3	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	62
4	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	60
5	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	58

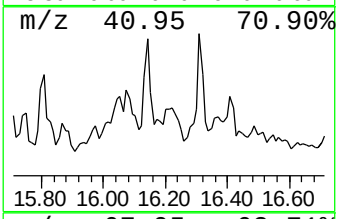


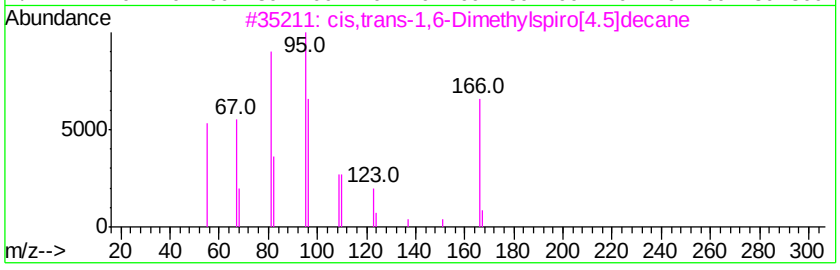


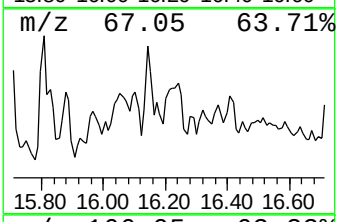


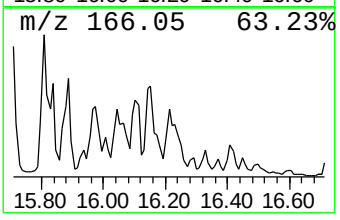












Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063101.D
Acq On : 16 Jul 2019 12:48
Operator : VA/AP
Sample : K3761-01
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

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

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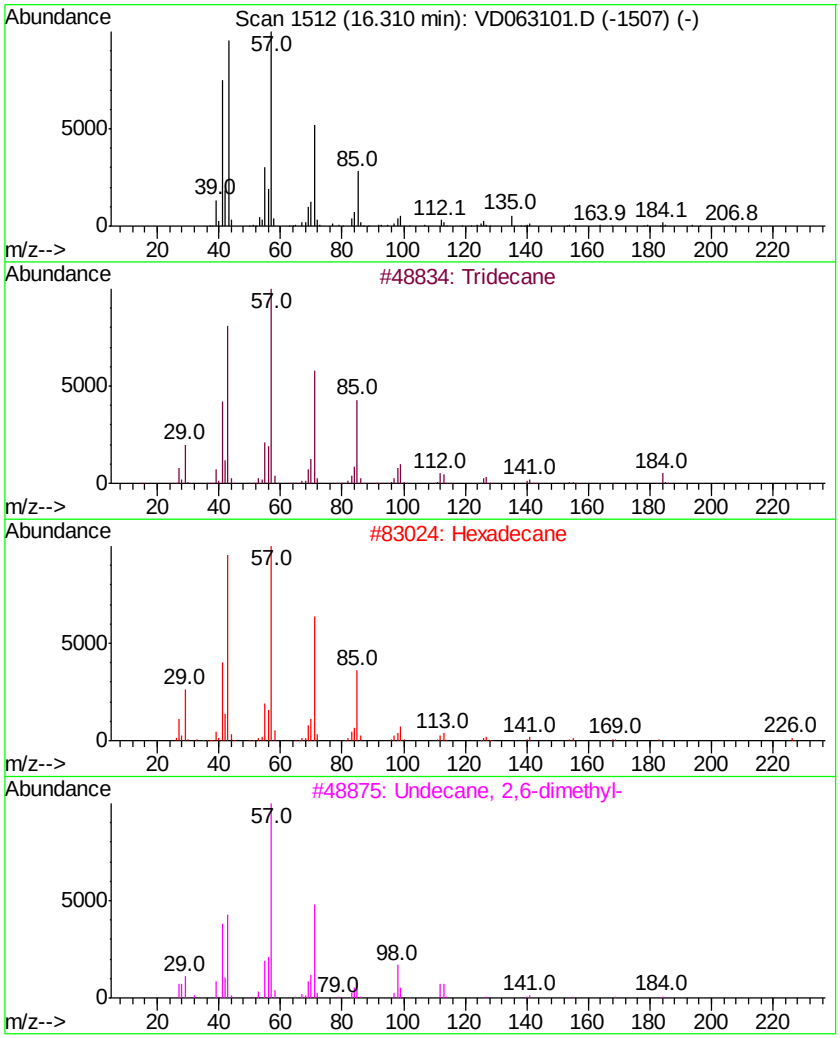
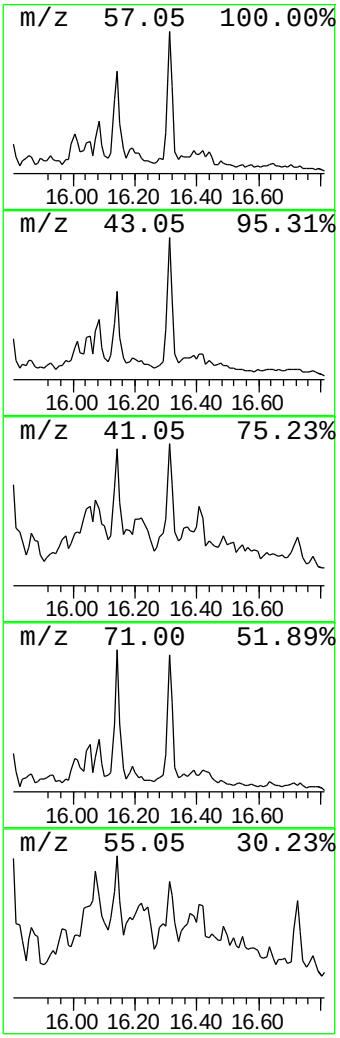
Peak Number 8 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	43.31 ug/l	1803130	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Hexadecane	226	C16H34	000544-76-3	90
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063101.D
Acq On : 16 Jul 2019 12:48
Operator : VA/AP
Sample : K3761-01
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

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

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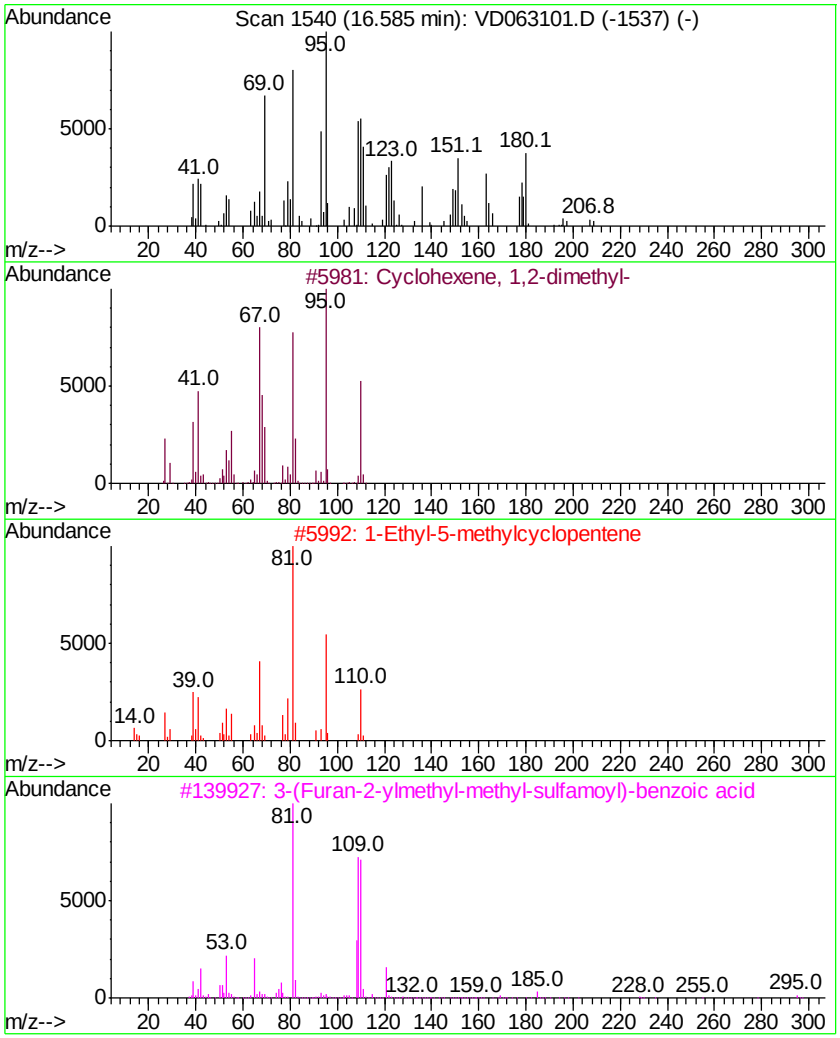
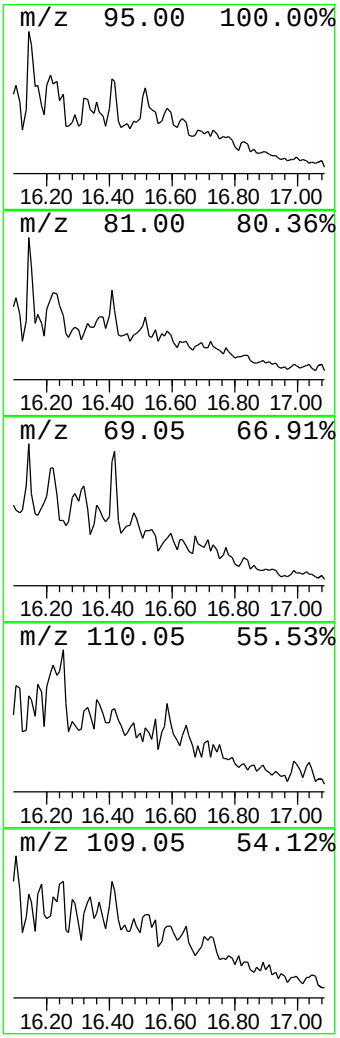
Peak Number 9 unknown16.59 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	34.10 ug/l	1419600	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	49
2	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	43
3	3-(Furan-2-ylmethyl-methyl-sulfa...	295	C13H13NO5S	1000300-37-8	27
4	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	18
5	1H-Pyrrole, 1-butyl-	123	C8H13N	000589-33-3	11





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063101.D
Acq On : 16 Jul 2019 12:48
Operator : VA/AP
Sample : K3761-01
Misc : 5.06g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

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

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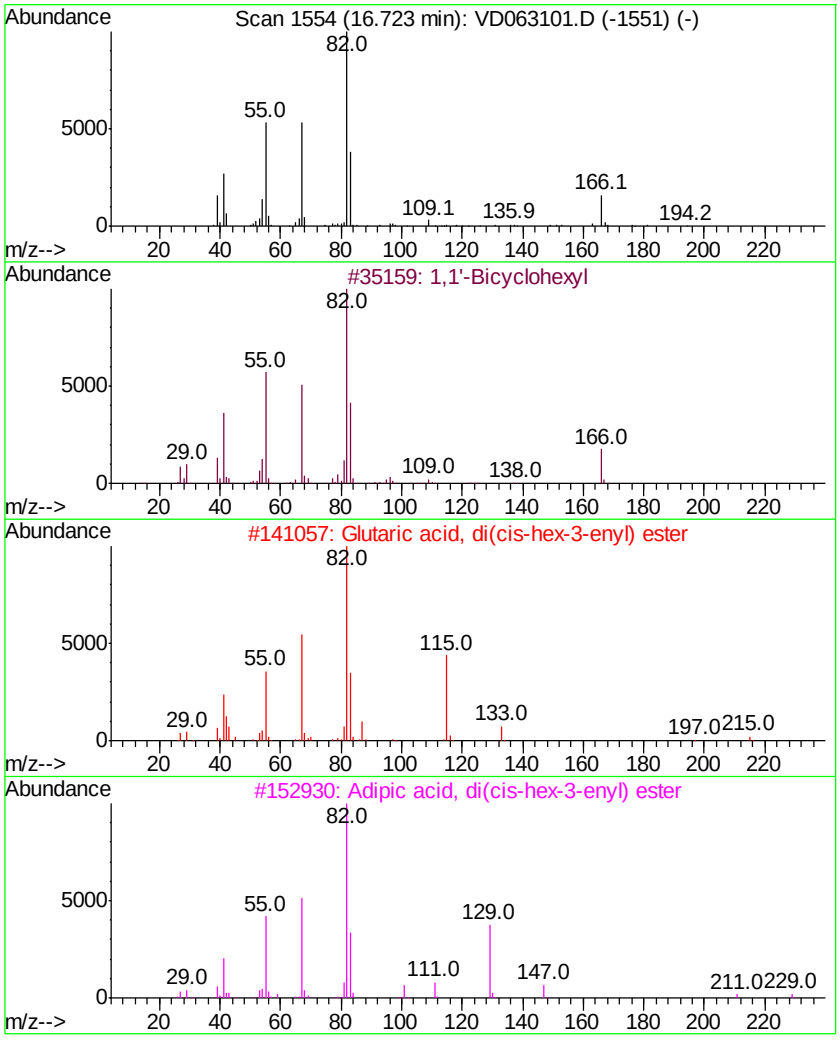
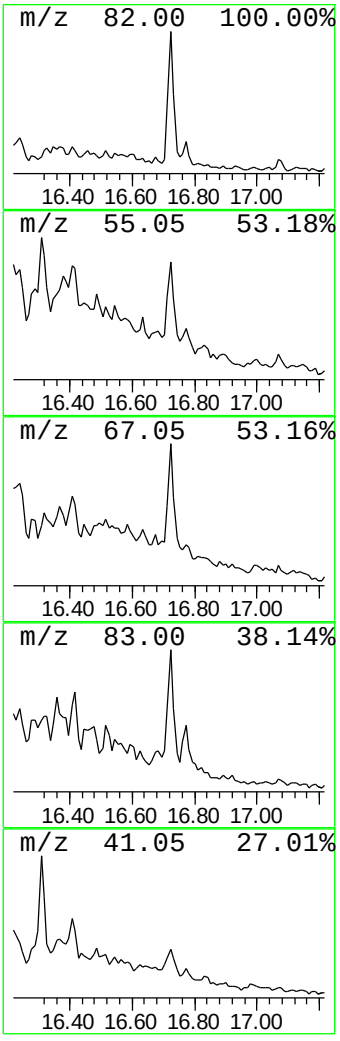
Peak Number 10 1,1'-Bicyclohexyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	34.56 ug/l	1438570	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	91
2	Glutaric acid, di(cis-hex-3-enyl...	296	C17H28O4	1000359-97-9	72
3	Adipic acid, di(cis-hex-3-enyl) ...	310	C18H30O4	1000353-98-7	72
4	Succinic acid, di(cis-hex-3-enyl...	282	C16H26O4	1000353-42-2	72
5	Cyclohexane, chloro-	118	C6H11Cl	000542-18-7	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD071619\
Data File : VD063101.D
Acq On : 16 Jul 2019 12:48
Operator : VA/AP
Sample : K3761-01
Misc : 5.06g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SOIL-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.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
Dodecane	15.65	39.5	ug/l	1643330	4	14.52	2081460	50.0
Naphthalene, deca...	15.70	34.3	ug/l	1426780	4	14.52	2081460	50.0
1H-Indene, 1-ethy...	15.81	57.4	ug/l	2387630	4	14.52	2081460	50.0
Cyclohexane, (4-m...	16.07	35.5	ug/l	1479810	4	14.52	2081460	50.0
unknown16.14	16.14	47.8	ug/l	1989660	4	14.52	2081460	50.0
Naphthalene, deca...	16.21	36.5	ug/l	1520460	4	14.52	2081460	50.0
Tridecane	16.31	43.3	ug/l	1803130	4	14.52	2081460	50.0
unknown16.59	16.59	34.1	ug/l	1419600	4	14.52	2081460	50.0
1,1'-Bicyclohexyl	16.72	34.6	ug/l	1438570	4	14.52	2081460	50.0