LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD080519\
Data File : VD063384.D
Acq On : 5 Aug 2019 16:49
Operator : VA/AP
Sample : K4131-02
Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

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\82D072919S.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	1.483	3	6	23	rVB	2159890	6238705	100.00%	14.382%
2	3.807	236	242	254	rBV2	71165	210724	3.38%	0.486%
3	3.984	254	260	267	rVV2	37385	119817	1.92%	0.276%
4	6.159	473	481	493	rBV	177436	607974	9.75%	1.402%
5	6.927	552	559	565	rBV	716605	2018041	32.35%	4.652%
6	7.045	565	571	591	rVB	1094523	3177864	50.94%	7.326%
7	7.449	607	612	628	rVB	485256	1381567	22.15%	3.185%
8	8.217	684	690	704	rBV	1367044	3452674	55.34%	7.959%
9	10.402	907	912	922	rBV	1495111	3585430	57.47%	8.265%
10	12.361	1107	1111	1118	rBV	2327171	3957085	63.43%	9.122%
11	12.548	1125	1130	1134	rVB3	37352	76401	1.22%	0.176%
12	12.647	1134	1140	1143	rBV3	67292	197990	3.17%	0.456%
13	12.696	1143	1145	1148	rVB3	46814	71859	1.15%	0.166%
14	12.844	1157	1160	1164	rBV3	63043	123000	1.97%	0.284%
15	12.991	1171	1175	1179	rBV2	186402	444427	7.12%	1.025%
16	13.090	1183	1185	1189	rBV3	50491	102817	1.65%	0.237%
17	13.218	1192	1198	1201	rBV3	152991	322976	5.18%	0.745%
18	13.277	1201	1204	1207	rBV3	99458	240351	3.85%	0.554%
19	13.336	1207	1210	1214	rVB3	125275	279111	4.47%	0.643%
20	13.395	1214	1216	1220	rVB2	264829	443815	7.11%	1.023%
21	13.474	1220	1224	1228	rBV3	241874	551481	8.84%	1.271%
22	13.553	1228	1232	1236	rBV	2297332	3157840	50.62%	7.280%
23	13.612	1236	1238	1240	rVB2	122490	148799	2.39%	0.343%
24	13.671	1240	1244	1245	rBV3	183726	313675	5.03%	0.723%
25	13.710	1245	1248	1255	rVB2	610562	1172146	18.79%	2.702%
26	13.818	1255	1259	1263	rBV3	257729	634632	10.17%	1.463%
27	13.887	1263	1266	1268	rBV	203700	430655	6.90%	0.993%
28	13.966	1271	1274	1277	rVB2	296747	442364	7.09%	1.020%
29	14.025	1277	1280	1282	rBV3	174280	260008	4.17%	0.599%
30	14.055	1282	1283	1285	rVB2	79037	90976	1.46%	0.210%
31	14.094	1285	1287	1288	rBV	158309	205919	3.30%	0.475%
32	14.202	1295	1298	1300	rBV3	97538	137515	2.20%	0.317%
33	14.261	1300	1304	1308	rVB4	163862	376111	6.03%	0.867%
34	14.320	1308	1310	1312	rBV	66254	90078	1.44%	0.208%

LSC Area Percent Report

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Operator : VA/AP
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Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

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\82D072919S.M
Title : SW846 8260

35	14.379	1312	1316	1322	rVV7	161348	559435	8.97%	1.290%
36	14.468	1322	1325	1327	rVV2	149074	250917	4.02%	0.578%
37	14.517	1327	1330	1333	rVV	3071448	3841297	61.57%	8.855%
38	14.567	1333	1335	1337	rVV2	74497	96625	1.55%	0.223%
39	14.626	1337	1341	1345	rVB5	139517	432674	6.94%	0.997%
40	14.694	1345	1348	1350	rBV3	71611	110023	1.76%	0.254%
41	14.734	1350	1352	1354	rVB2	73991	100964	1.62%	0.233%
42	14.803	1357	1359	1366	rVB	587910	956549	15.33%	2.205%
43	14.941	1371	1373	1376	rVV2	105777	164573	2.64%	0.379%
44	15.019	1378	1381	1382	rVV3	89413	164900	2.64%	0.380%
45	15.049	1382	1384	1387	rVB4	107520	181553	2.91%	0.419%
46	15.137	1389	1393	1396	rBV5	104800	237425	3.81%	0.547%
47	15.226	1399	1402	1405	rVB3	110832	186996	3.00%	0.431%
48	15.285	1405	1408	1414	rVB2	343630	534806	8.57%	1.233%
49	15.393	1416	1419	1421	rBV2	98328	149157	2.39%	0.344%
50	15.423	1421	1422	1425	rVV	132121	153141	2.45%	0.353%
51	15.472	1425	1427	1429	rVB3	40007	63886	1.02%	0.147%
52	15.807	1459	1461	1464	rBV2	80909	129820	2.08%	0.299%

Sum of corrected areas: 43379568

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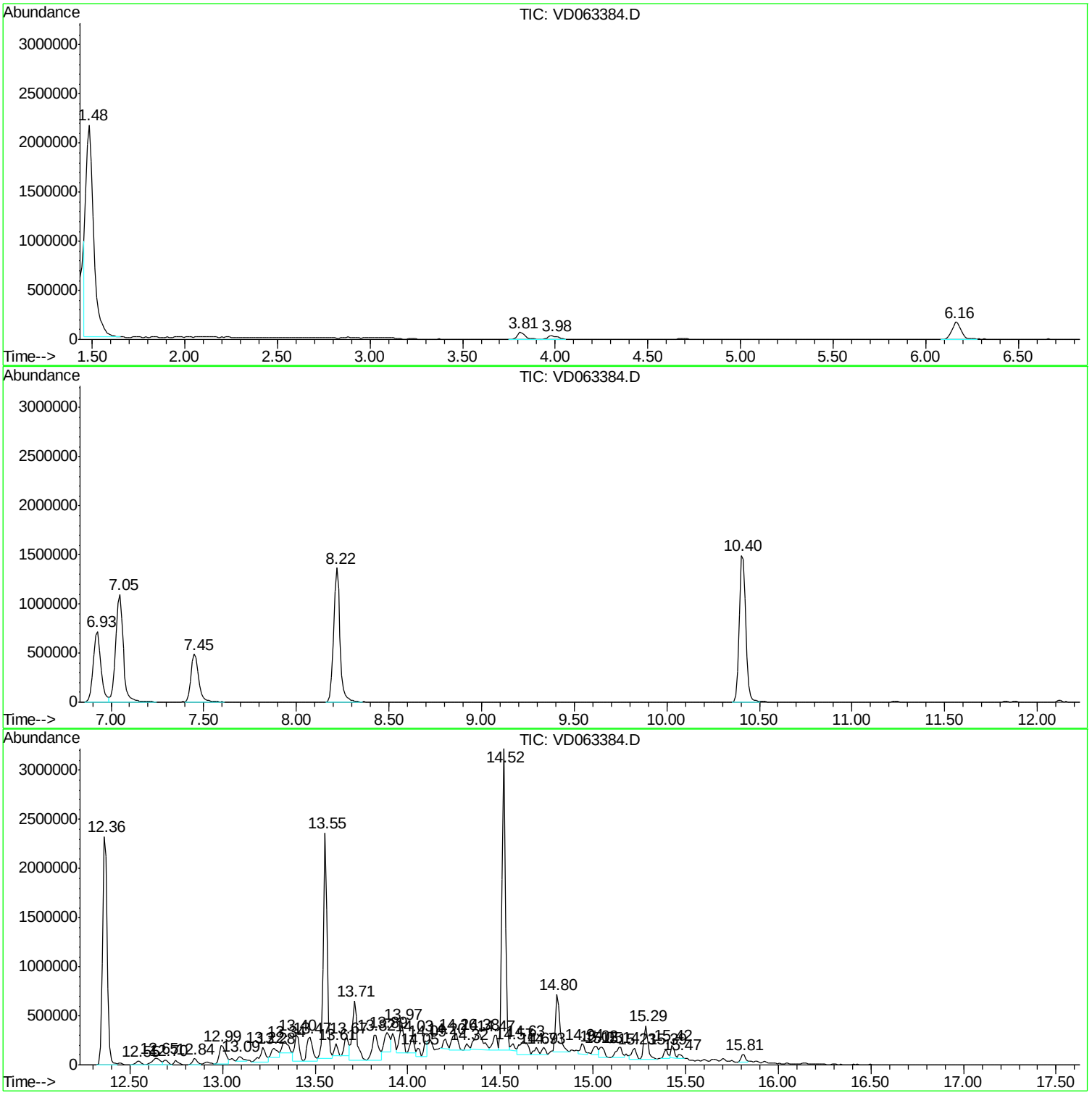
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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



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Data File : VD063384.D
Acq On : 5 Aug 2019 16:49
Operator : VA/AP
Sample : K4131-02
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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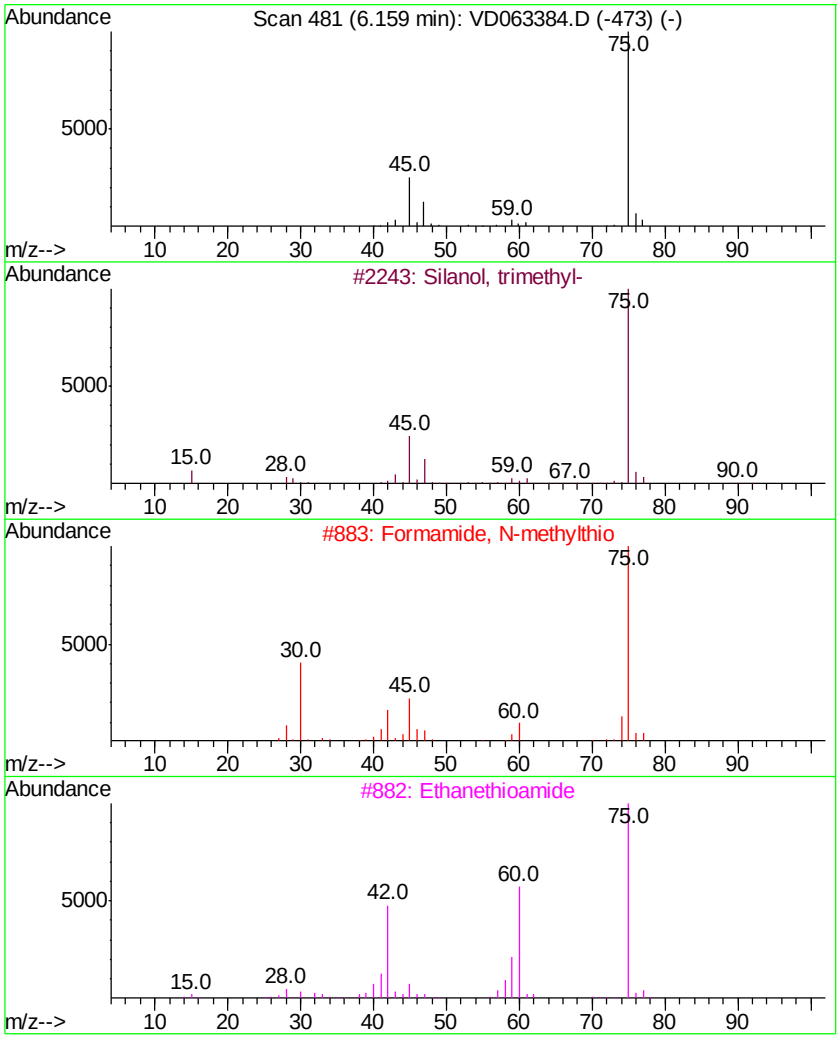
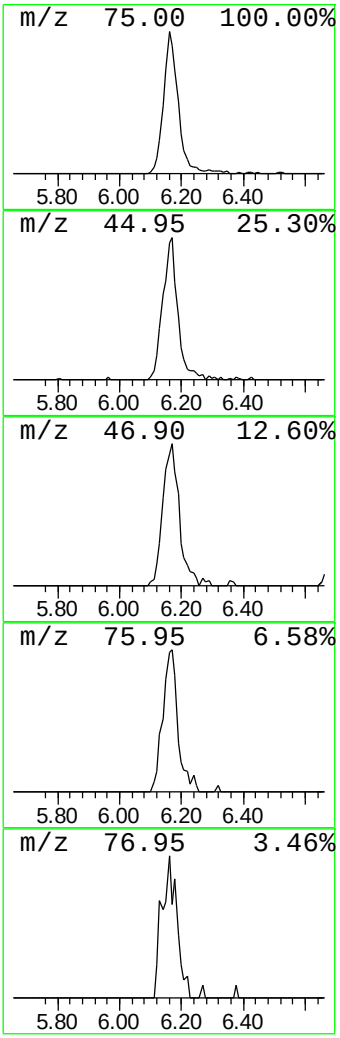
Peak Number 2 Silanol, trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	9.57 ug/l	607974	Pentafluorobenzene	7.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	83
2	Formamide, N-methylthio	75	C2H5NS	018952-41-5	40
3	Ethanethioamide	75	C2H5NS	000062-55-5	9
4	Ethanol, 2-(trimethylsilyl)-	118	C5H14OSi	002916-68-9	9
5	Chloromethyl cyanide	75	C2H2ClN	000107-14-2	7





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Data File : VD063384.D
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Operator : VA/AP
Sample : K4131-02
Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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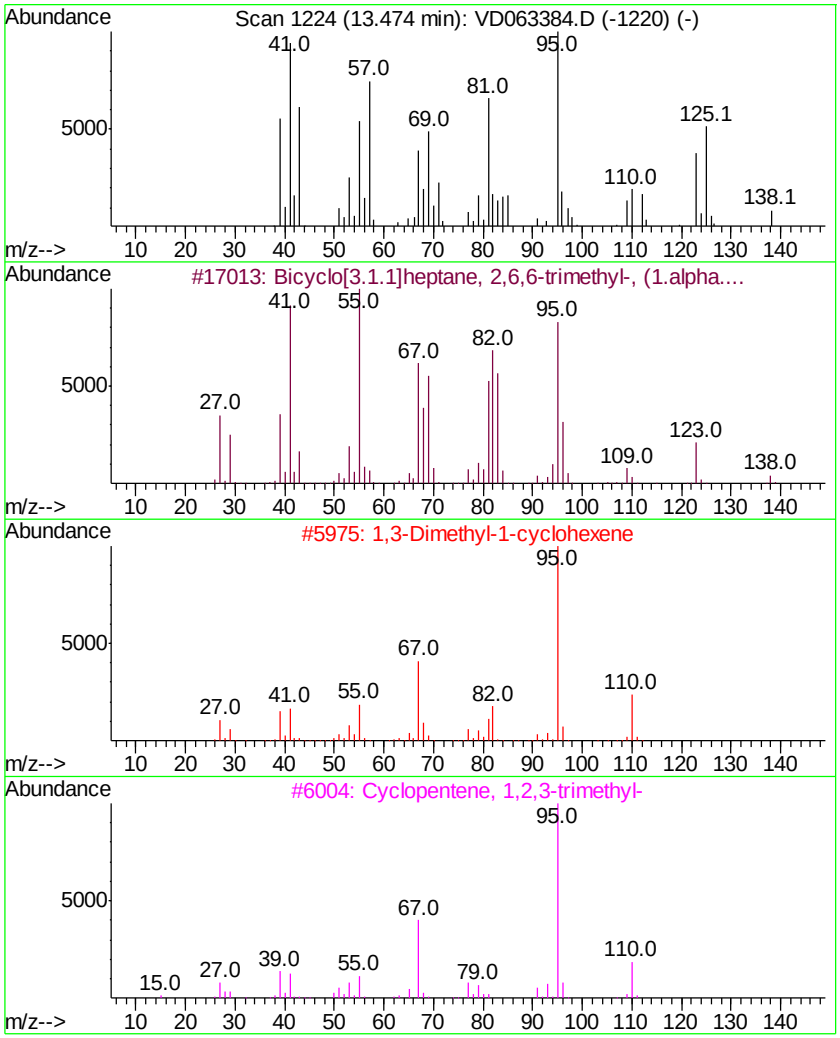
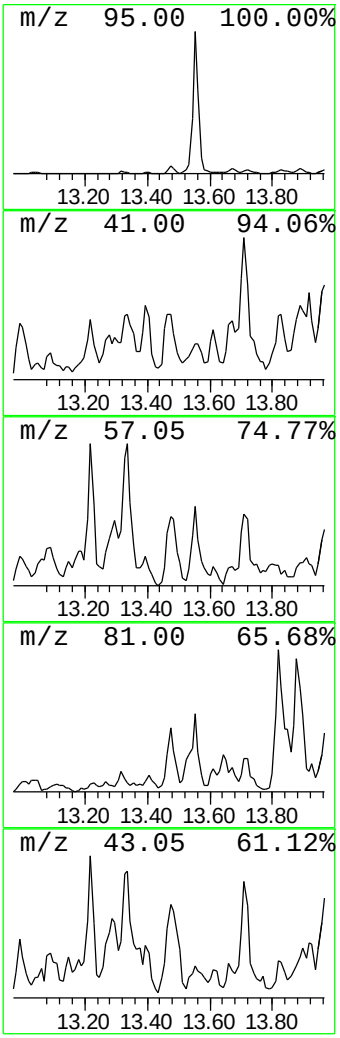
Peak Number 3 unknown13.47 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	7.18 ug/l	551481	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	49
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	46
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	46
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	43
5	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	43





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD080519\
Data File : VD063384.D
Acq On : 5 Aug 2019 16:49
Operator : VA/AP
Sample : K4131-02
Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

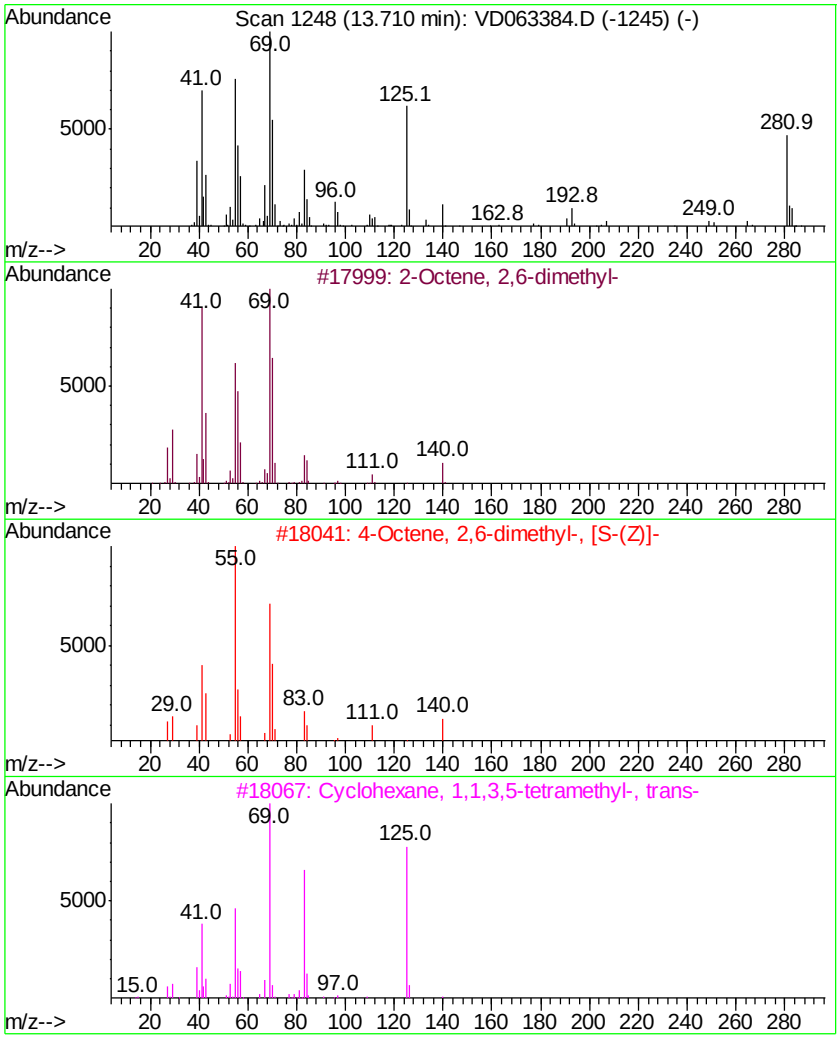
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

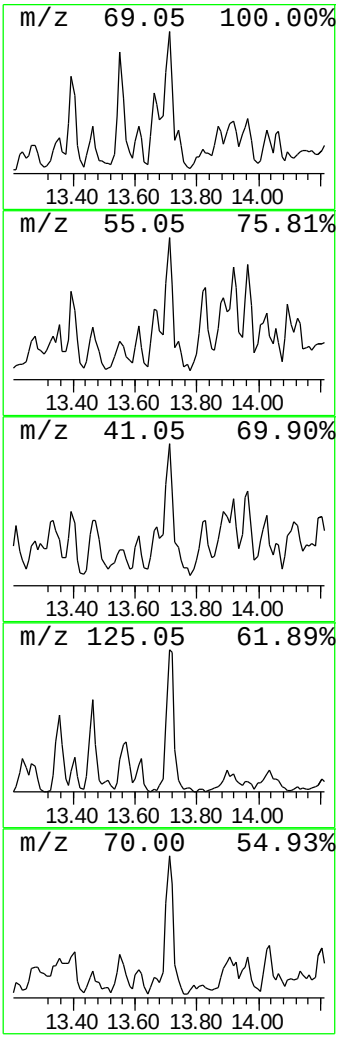
****

Peak Number 4 unknown13.71 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	15.26 ug/l	1172150	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	43
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	38
5	Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	35





Library Search Compound Report

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Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

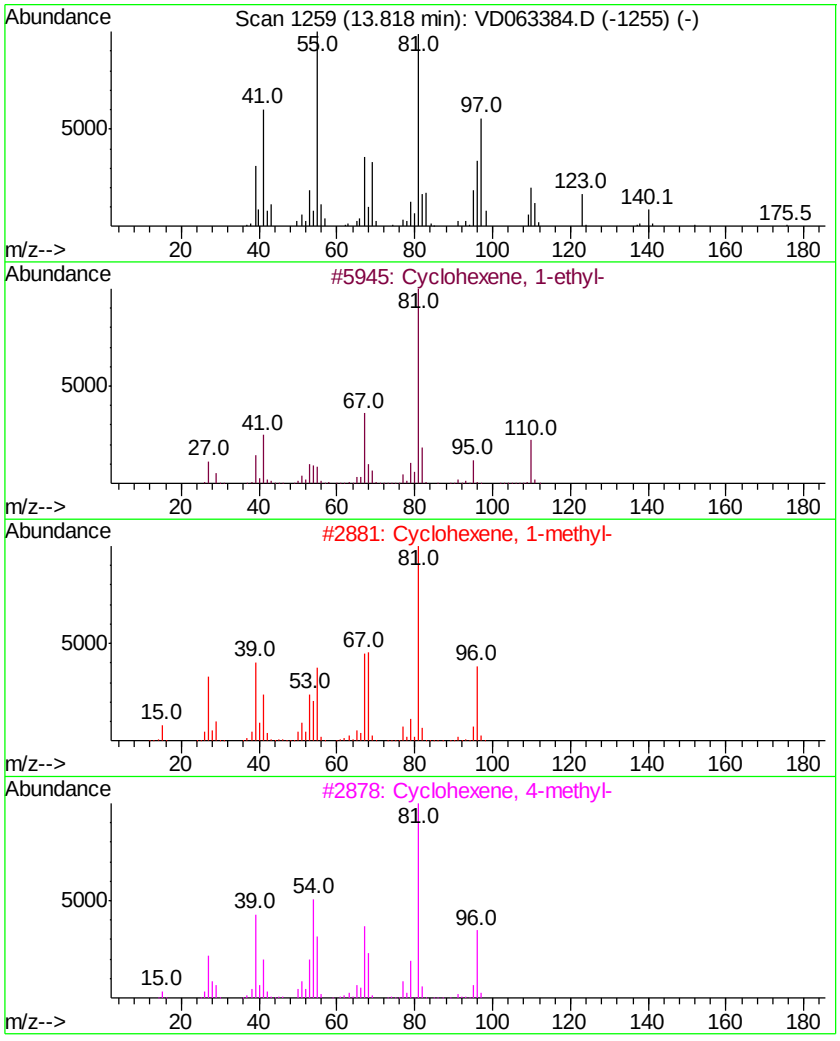
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

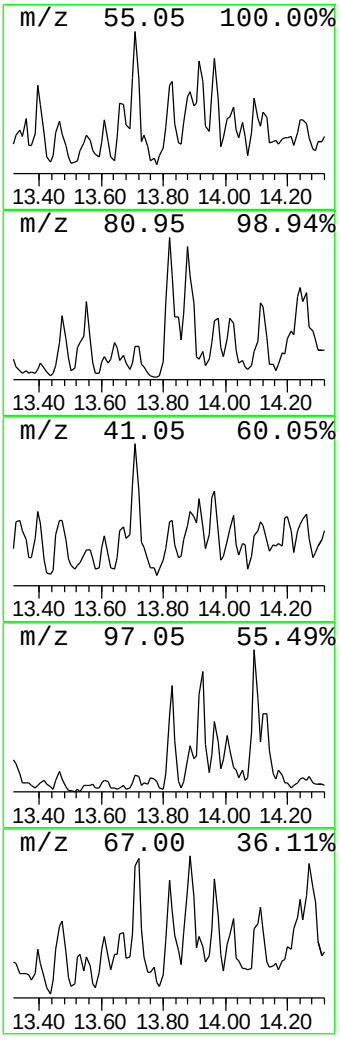
****

Peak Number 5 Cyclohexene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	8.26 ug/l	634632	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	55
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
4	4-Ethylcyclohexene	110	C8H14	003742-42-5	46
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	46





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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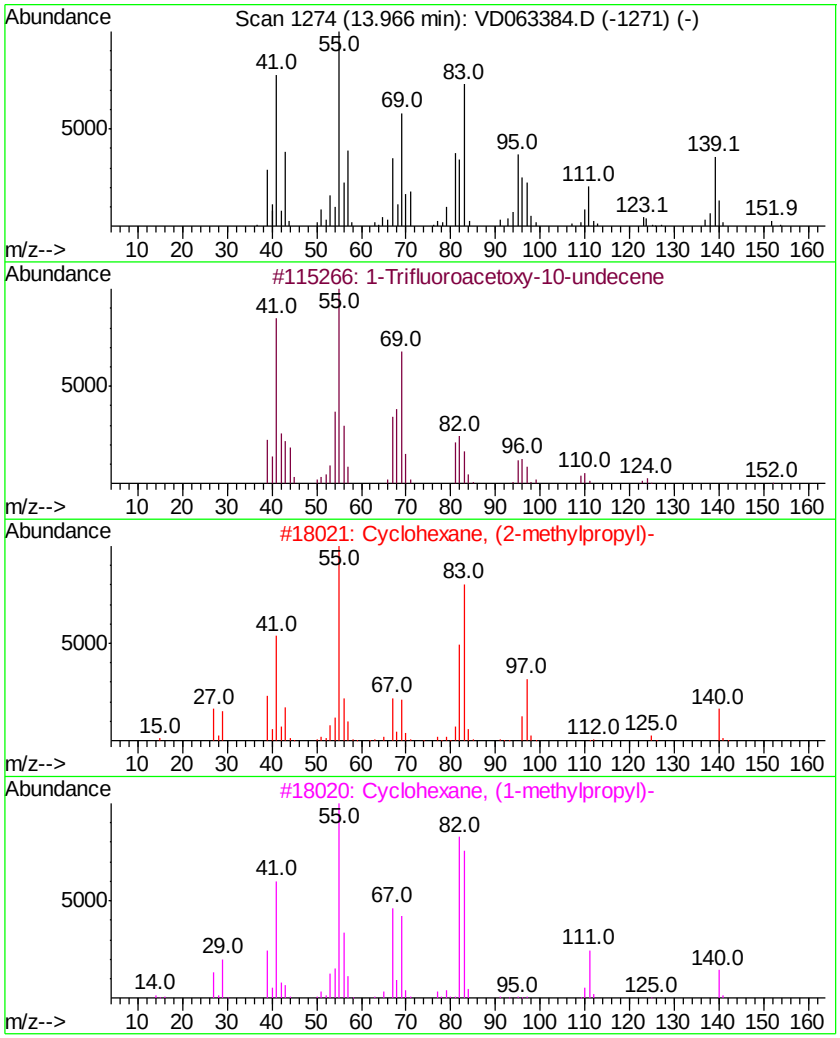
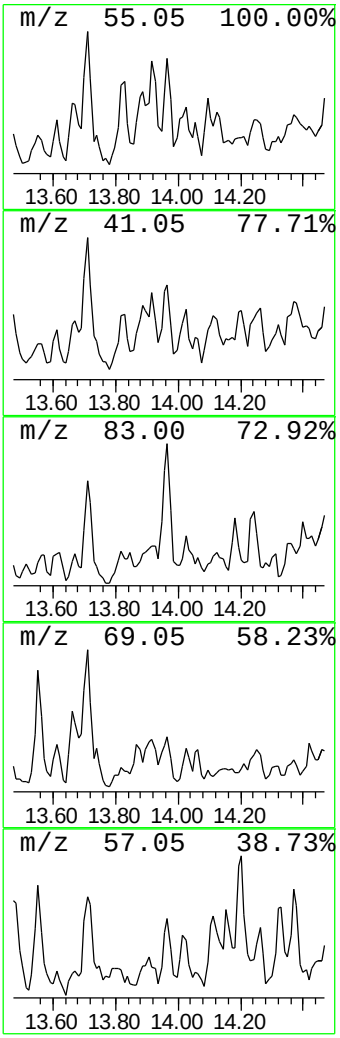
****

Peak Number 6 1-Trifluoroacetoxy-10-undecene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	5.76 ug/l	442364	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Trifluoroacetoxy-10-undecene	266	C13H21F3O2	001675-20-3	50
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
3	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
4	Cyclohexanemethanol	114	C7H14O	000100-49-2	38
5	Cyclopentanone, 3-butyl-	140	C9H16O	057283-81-5	27





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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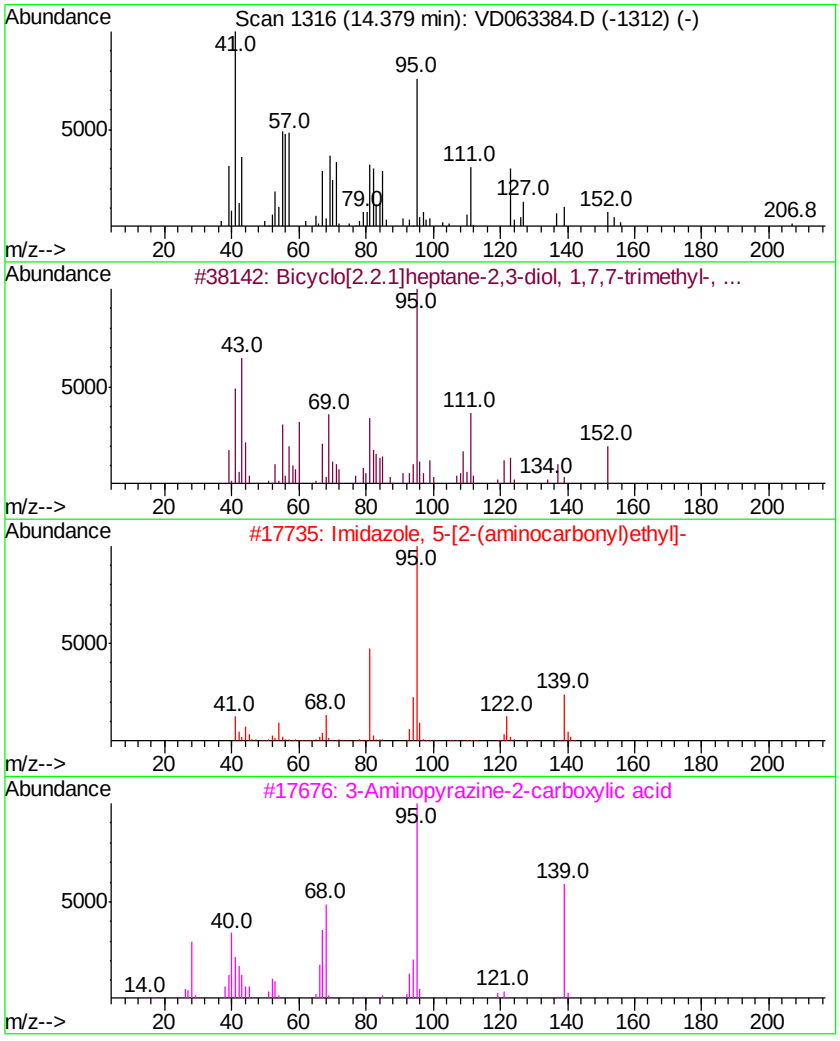
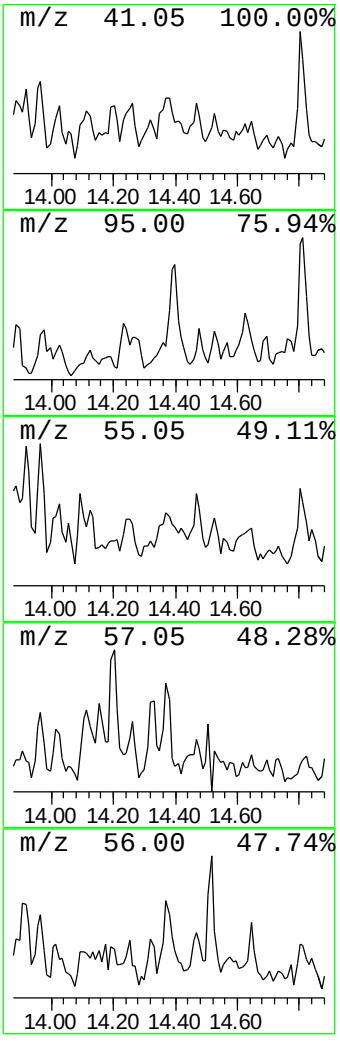
Peak Number 7 unknown14.38 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	7.28 ug/l	559435	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane-2,3-diol, ...	170	C10H18O2	038226-15-2	32
2	Imidazole, 5-[2-(aminocarbonyl)e...	139	C6H9N3O	040160-23-4	22
3	3-Aminopyrazine-2-carboxylic acid	139	C5H5N3O2	005424-01-1	22
4	1,5-Hexadiene, 2,5-dimethyl-	110	C8H14	000627-58-7	22
5	Cyclopropane, (2,2-dimethylpropy...	110	C8H14	039647-71-7	22





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Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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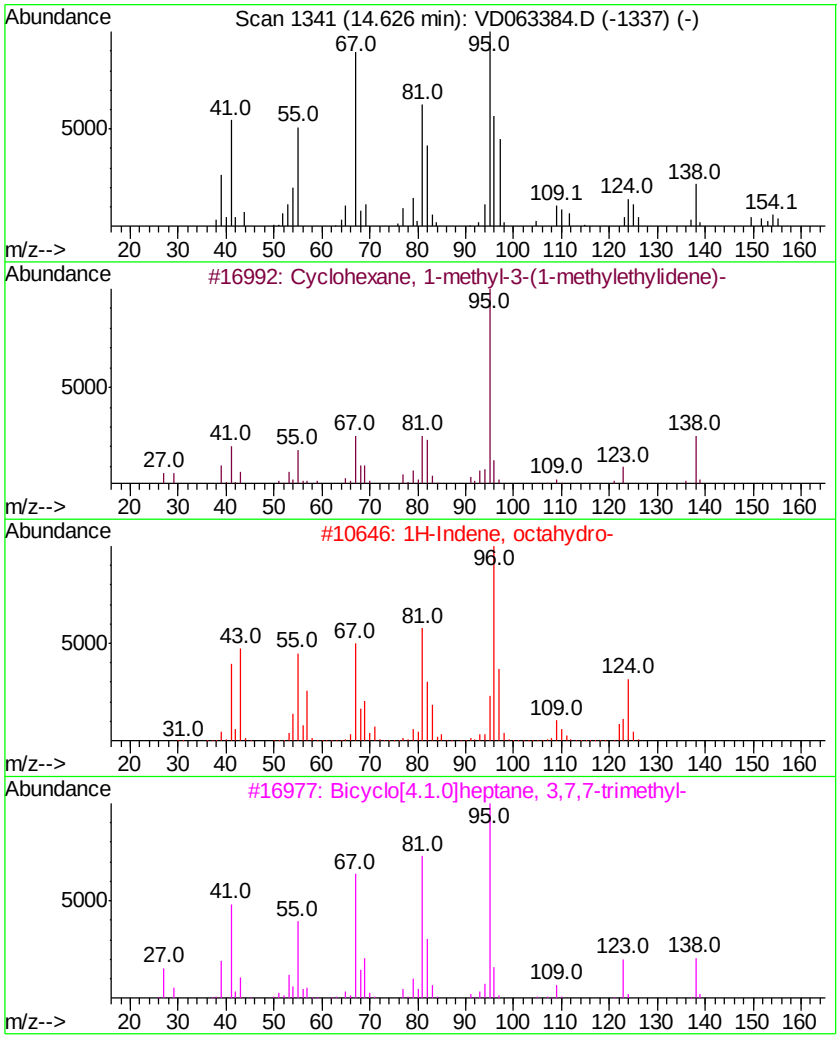
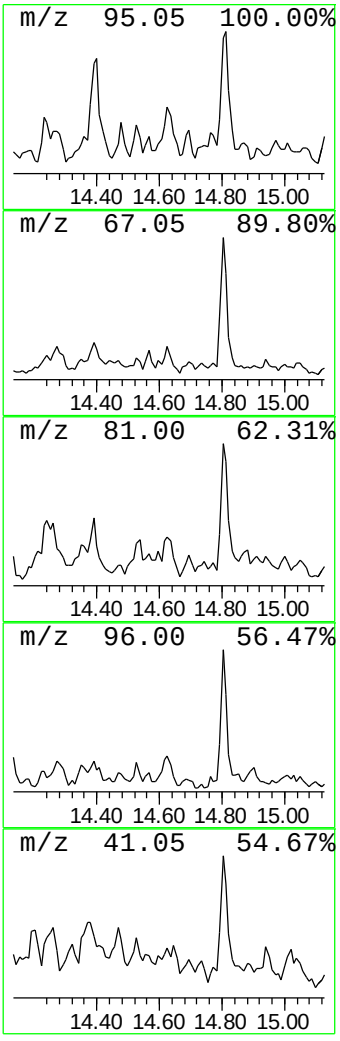
Peak Number 8 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	5.63 ug/l	432674	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	53
2	1H-Indene, octahydro-	124	C9H16	000496-10-6	47
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	46
4	Cyclohexane, butylidene-	138	C10H18	002272-03-9	43
5	Cyclodecene	138	C10H18	003618-12-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD080519\
Data File : VD063384.D
Acq On : 5 Aug 2019 16:49
Operator : VA/AP
Sample : K4131-02
Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

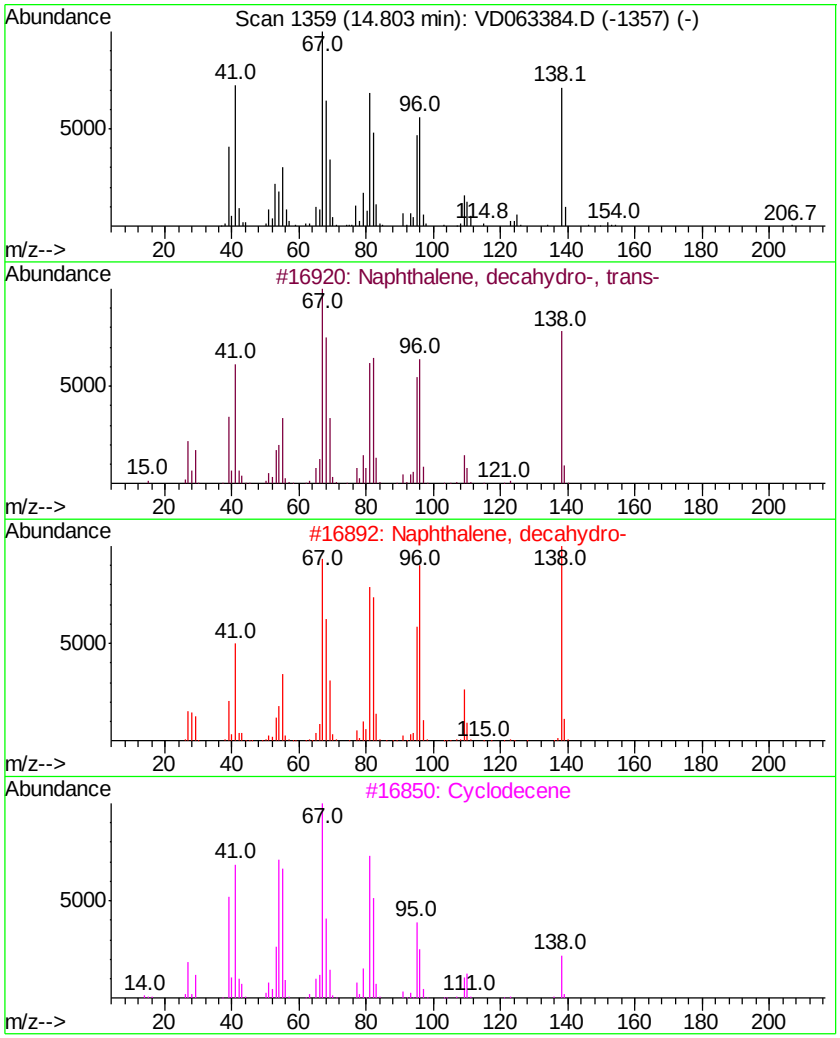
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

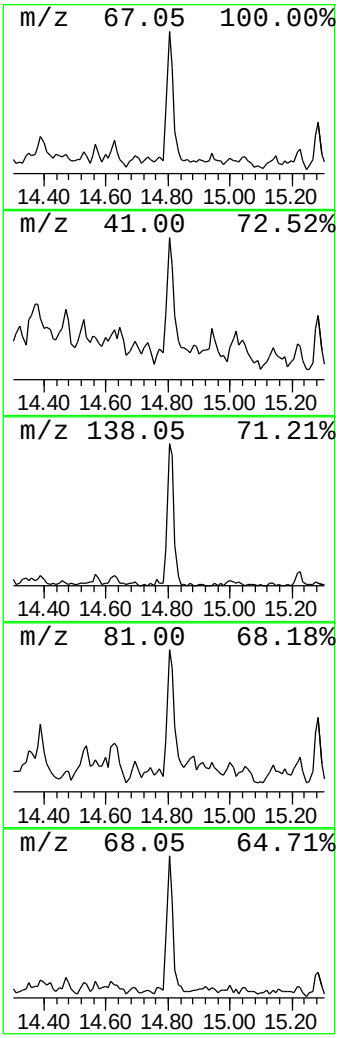
****

Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	12.45 ug/l	956549	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Cyclodecene	138	C10H18	003618-12-0	74
4	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	74
5	Spiro[4.5]decane	138	C10H18	000176-63-6	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD080519\
Data File : VD063384.D
Acq On : 5 Aug 2019 16:49
Operator : VA/AP
Sample : K4131-02
Misc : 6.37g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

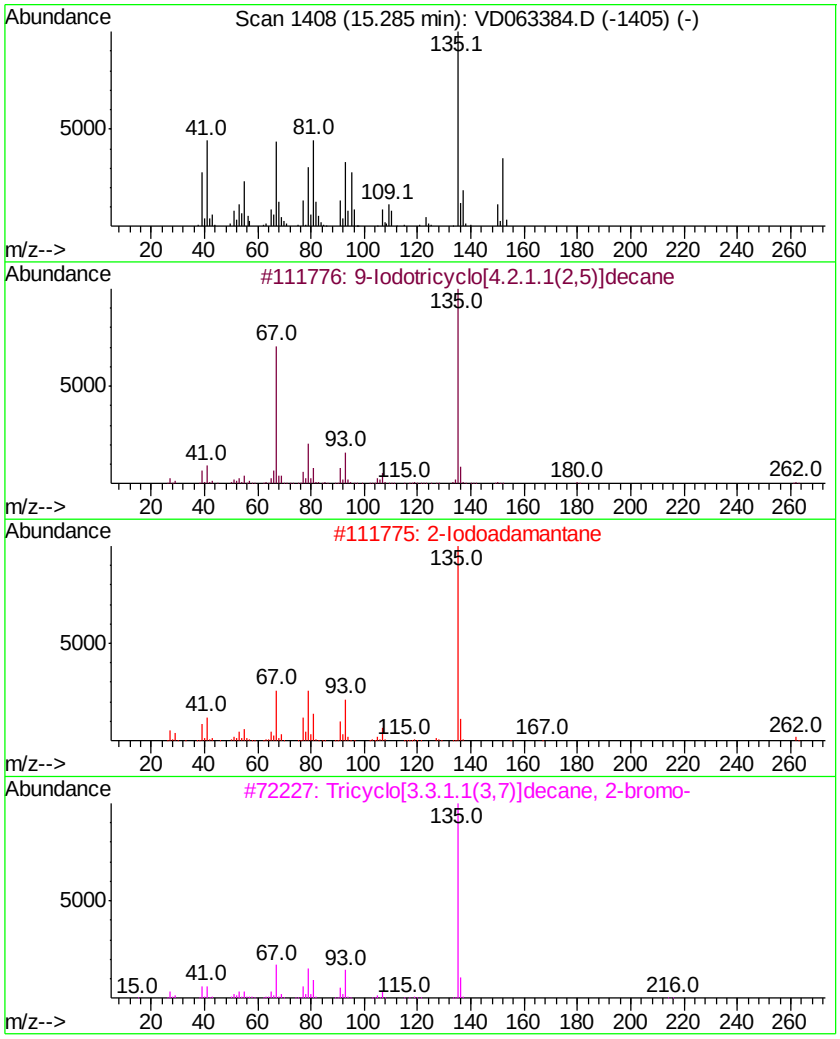
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

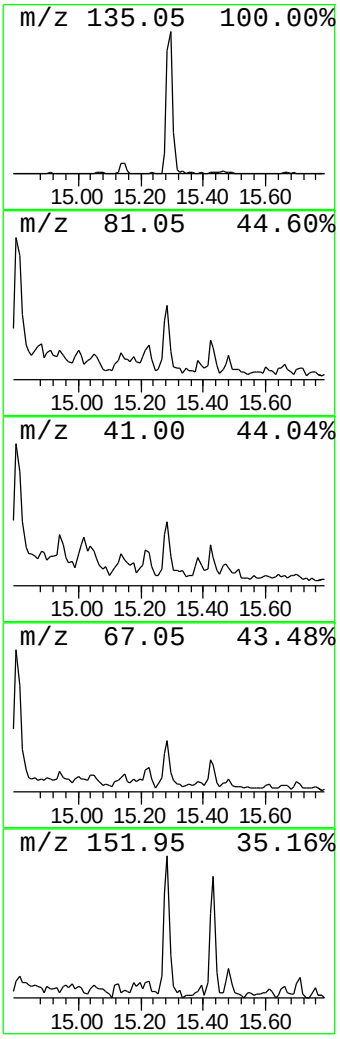
****

Peak Number 10 unknown15.29 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	6.96 ug/l	534806	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Iodotricyclo[4.2.1.1(2,5)]decane	262	C10H15I	1000194-77-8	49
2	2-Iodoadamantane	262	C10H15I	018971-91-0	49
3	Tricyclo[3.3.1.1(3,7)]decane, 2-...	214	C10H15Br	007314-85-4	47
4	5-Cyano-1,2,3,4-tetrahydro-4,6-d...	150	C8H10N2O	027036-93-7	43
5	Cyclohexanecarboxylic acid, 4-(1...	262	C17H26O2	175881-24-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080519\
Data File : VD063384.D
Acq On : 5 Aug 2019 16:49
Operator : VA/AP
Sample : K4131-02
Misc : 6.37g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1S-D1-(0-1)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.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
Silanol, trimethyl-	6.16	9.6	ug/l	607974	1	7.05	3177860	50.0
unknown13.47	13.47	7.2	ug/l	551481	4	14.52	3841300	50.0
unknown13.71	13.71	15.3	ug/l	1172150	4	14.52	3841300	50.0
Cyclohexene, 1-et...	13.82	8.3	ug/l	634632	4	14.52	3841300	50.0
1-Trifluoroacetox...	13.97	5.8	ug/l	442364	4	14.52	3841300	50.0
unknown14.38	14.38	7.3	ug/l	559435	4	14.52	3841300	50.0
Cyclohexane, 1-me...	14.63	5.6	ug/l	432674	4	14.52	3841300	50.0
Naphthalene, deca...	14.80	12.4	ug/l	956549	4	14.52	3841300	50.0
unknown15.29	15.29	7.0	ug/l	534806	4	14.52	3841300	50.0