LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
Data File : VD061182.D
Acq On : 19 Mar 2019 13:54
Operator : VA/AP
Sample : K1970-04
Misc : 6.15g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

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\82D030719S.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	3.858	234	247	256	rBV4	108789	626747	2.17%	0.103%
2	5.788	438	443	454	rVB	92609	333124	1.15%	0.055%
3	6.132	471	478	488	rVB	115757	392776	1.36%	0.065%
4	6.920	546	558	566	rBV4	461218	2553769	8.84%	0.420%
5	7.028	566	569	586	rVV2	567191	2401722	8.31%	0.395%
6	7.274	586	594	605	rVV	435220	1597253	5.53%	0.263%
7	7.442	605	611	621	rVV2	244308	734262	2.54%	0.121%
8	7.609	621	628	632	rVV	250647	786074	2.72%	0.129%
9	7.698	632	637	642	rVV2	346260	1194025	4.13%	0.197%
10	7.796	642	647	660	rVB	272318	885669	3.06%	0.146%
11	8.013	660	669	683	rBV	657334	1931903	6.69%	0.318%
12	8.209	683	689	698	rBV	882547	2426715	8.40%	0.400%
13	8.662	729	735	744	rVB	135463	436193	1.51%	0.072%
14	8.859	744	755	760	rBV	2539844	8988456	31.11%	1.480%
15	8.928	760	762	766	rVV	362720	809432	2.80%	0.133%
16	9.007	766	770	777	rVB	770403	2173353	7.52%	0.358%
17	9.145	780	784	791	rVB	347439	1009072	3.49%	0.166%
18	9.302	791	800	815	rVB2	976868	3825527	13.24%	0.630%
19	9.529	815	823	832	rBV2	1126903	4241046	14.68%	0.698%
20	9.735	836	844	845	rBV3	258219	814672	2.82%	0.134%
21	9.785	845	849	852	rBV	706124	1884961	6.52%	0.310%
22	9.903	857	861	865	rBV	2383646	7814706	27.04%	1.287%
23	10.060	874	877	878	rBV	301048	494661	1.71%	0.081%
24	10.119	878	883	892	rVB	2801795	11080523	38.35%	1.824%
25	10.257	892	897	903	rVB2	666622	2396981	8.30%	0.395%
26	10.395	903	911	915	rBV3	4847213	16999272	58.83%	2.799%
27	10.454	915	917	928	rVB	2963416	6743362	23.34%	1.110%
28	10.631	928	935	940	rBV2	2249885	9965825	34.49%	1.641%
29	10.789	947	951	959	rVB	1731595	4907929	16.98%	0.808%
30	10.927	959	965	974	rVB3	5132892	18455755	63.87%	3.039%
31	11.094	974	982	988	rBV2	3473327	10937445	37.85%	1.801%
32	11.192	988	992	995	rBV2	1202417	3276947	11.34%	0.540%
33	11.251	995	998	1003	rVB2	1065712	2978544	10.31%	0.490%
34	11.340	1003	1007	1014	rVB	2804256	8560398	29.62%	1.409%

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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Title : SW846 8260

35	11.497	1014	1023	1032	rBV	4517981	19466130	67.36%	3.205%
36	11.665	1033	1040	1046	rBV4	5356151	25704843	88.95%	4.232%
37	11.753	1046	1049	1054	rVB3	4411381	13505218	46.74%	2.224%
38	11.852	1054	1059	1063	rBV	7087790	24265779	83.97%	3.995%
39	12.009	1070	1075	1078	rBV2	2375030	6722812	23.27%	1.107%
40	12.078	1078	1082	1085	rBV	3320146	8902090	30.81%	1.466%
41	12.137	1085	1088	1091	rBV	2744248	7740892	26.79%	1.274%
42	12.334	1102	1108	1116	rVB	7512128	27963682	96.77%	4.604%
43	12.472	1116	1122	1126	rBV4	4085391	12642108	43.75%	2.081%
44	12.561	1126	1131	1135	rBV4	4524304	13952334	48.28%	2.297%
45	12.649	1135	1140	1144	rBV4	5116709	18710189	64.75%	3.080%
46	12.718	1144	1147	1150	rVB2	3729703	7139118	24.71%	1.175%
47	12.767	1150	1152	1158	rVB	6493676	16389849	56.72%	2.698%
48	12.866	1158	1162	1167	rBV3	5068574	13192351	45.65%	2.172%
49	12.945	1167	1170	1173	rBV2	2095400	5310757	18.38%	0.874%
50	13.023	1173	1178	1184	rBV5	7188258	28896526	100.00%	4.758%
51	13.112	1184	1187	1192	rVB2	2801411	6807587	23.56%	1.121%
52	13.210	1194	1197	1198	rBV3	2266900	3980609	13.78%	0.655%
53	13.260	1198	1202	1205	rVB2	6407367	14711873	50.91%	2.422%
54	13.329	1205	1209	1212	rBV3	5994795	18175245	62.90%	2.992%
55	13.506	1223	1227	1230	rBV4	3793305	11888049	41.14%	1.957%
56	13.575	1231	1234	1238	rVV2	4855195	11712260	40.53%	1.928%
57	13.634	1238	1240	1243	rVV3	2430627	4920582	17.03%	0.810%
58	13.693	1243	1246	1247	rVV	3128064	5872081	20.32%	0.967%
59	13.742	1248	1251	1254	rVV2	6934793	14992122	51.88%	2.468%
60	13.840	1258	1261	1265	rVV6	3779408	11479162	39.73%	1.890%
61	13.909	1265	1268	1270	rVV3	4936130	11562772	40.01%	1.904%
62	13.988	1274	1276	1279	rVV2	4325453	6984638	24.17%	1.150%
63	14.037	1279	1281	1284	rVV3	2418232	5530956	19.14%	0.911%
64	14.136	1286	1291	1296	rVV3	4222811	15354987	53.14%	2.528%
65	14.205	1296	1298	1301	rVV	3764510	6627374	22.93%	1.091%
66	14.254	1301	1303	1311	rVV8	3154750	10013522	34.65%	1.649%
67	14.372	1311	1315	1320	rVV3	4123879	11339299	39.24%	1.867%
68	14.441	1320	1322	1324	rVV	3697348	5581673	19.32%	0.919%
69	14.510	1328	1329	1334	rBV4	690684	1274916	4.41%	0.210%
70	14.628	1339	1341	1346	rVB3	2198266	5191474	17.97%	0.855%
71	14.707	1346	1349	1353	rVB	6241454	10202996	35.31%	1.680%

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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Title : SW846 8260

72	14.776	1353	1356	1357	rBV2	1324375	1806537	6.25%	0.297%
73	14.805	1357	1359	1362	rVV2	3452763	5439271	18.82%	0.896%
74	14.845	1362	1363	1366	rVB	991378	1025241	3.55%	0.169%
75	14.943	1371	1373	1375	rVB2	566309	753987	2.61%	0.124%
76	15.002	1377	1379	1381	rBV2	270343	433025	1.50%	0.071%
77	15.051	1381	1384	1386	rVB	1771070	2156650	7.46%	0.355%
78	15.091	1386	1388	1390	rVB	717706	836565	2.90%	0.138%
79	15.130	1390	1392	1397	rVB2	2453748	3428908	11.87%	0.565%
80	15.219	1399	1401	1403	rVB2	230784	324946	1.12%	0.053%
81	15.278	1403	1407	1409	rBV3	398488	715308	2.48%	0.118%
82	15.337	1412	1413	1416	rVB	344486	293782	1.02%	0.048%
83	15.425	1419	1422	1424	rVB2	266722	369818	1.28%	0.061%
84	15.662	1443	1446	1451	rVB	311037	431846	1.49%	0.071%

Sum of corrected areas: 607383838

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
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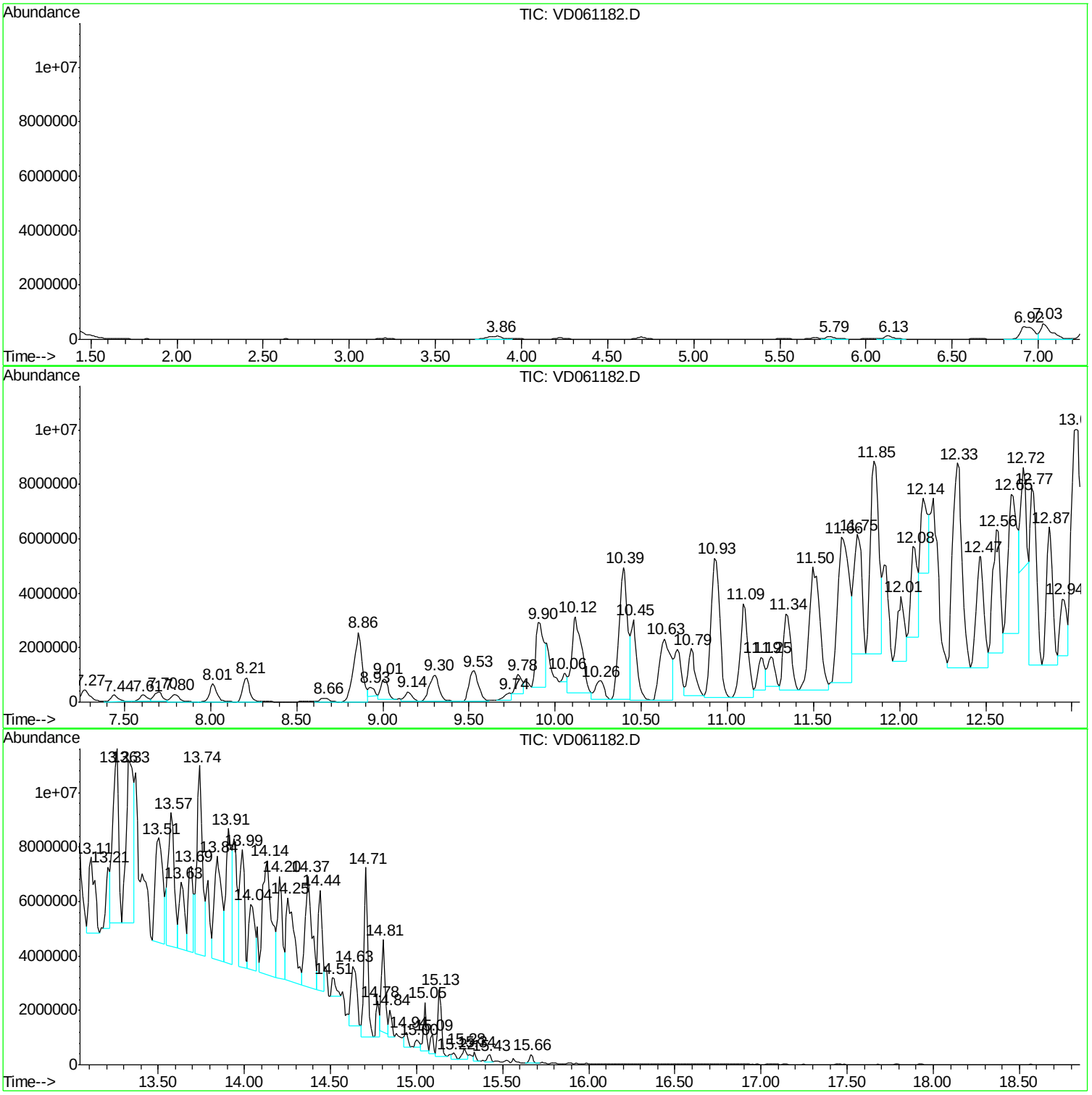
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.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\VD031919\
Data File : VD061182.D
Acq On : 19 Mar 2019 13:54
Operator : VA/AP
Sample : K1970-04
Misc : 6.15g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

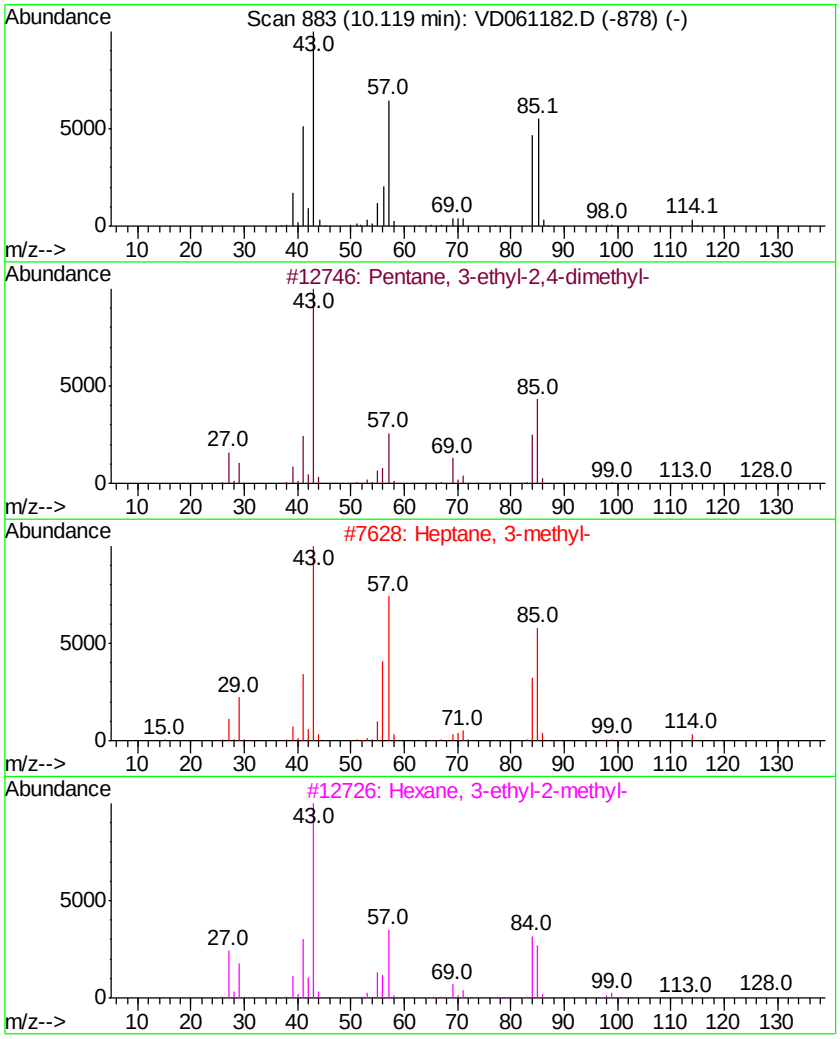
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

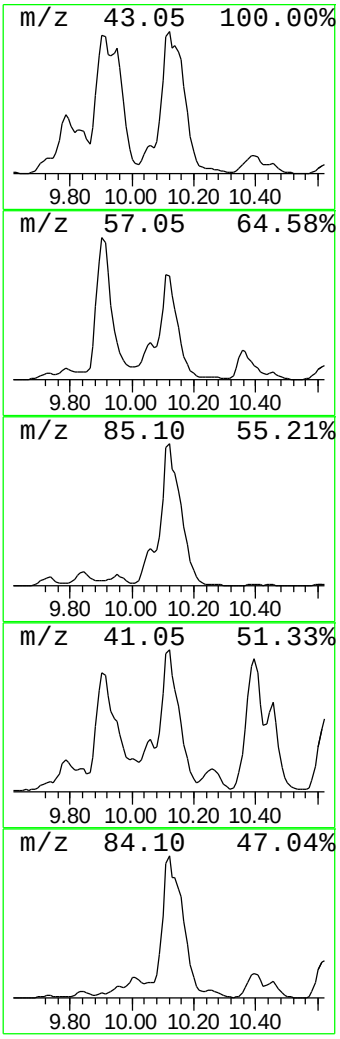
****

Peak Number 1 Pentane, 3-ethyl-2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	228.30 ug/l	11080500	1,4-Difluorobenzene	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	72
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	68
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	64
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58





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Sample : K1970-04
Misc : 6.15g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

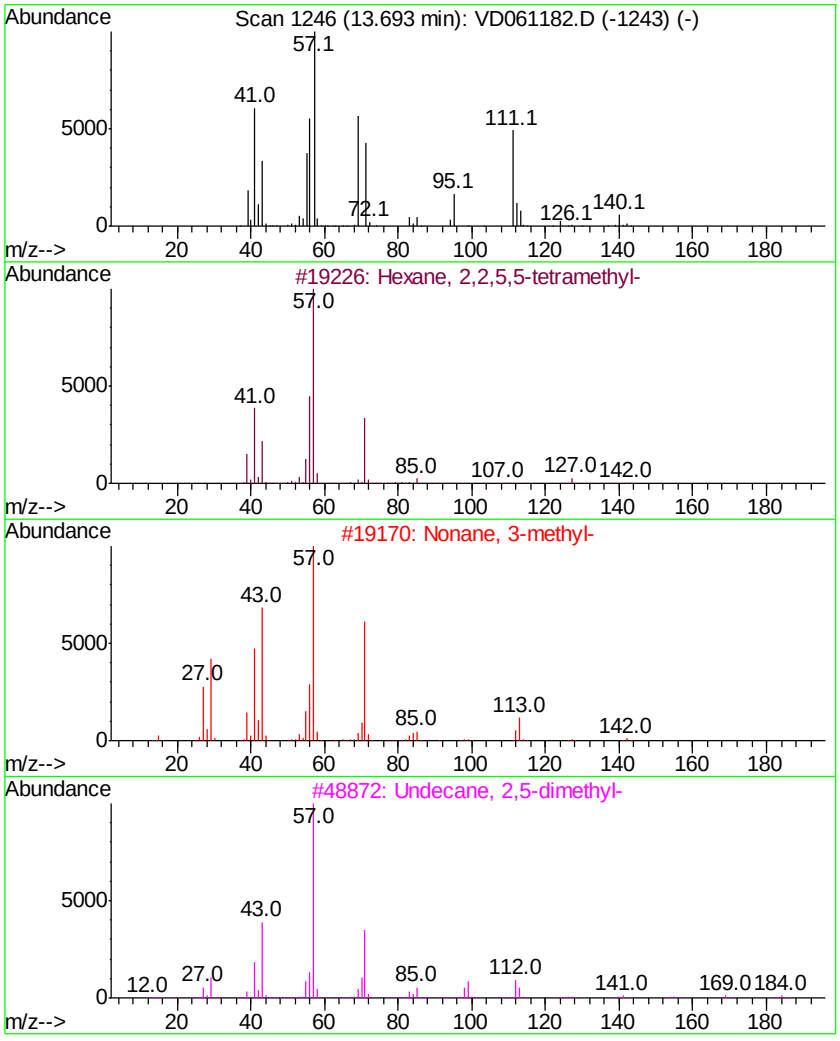
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

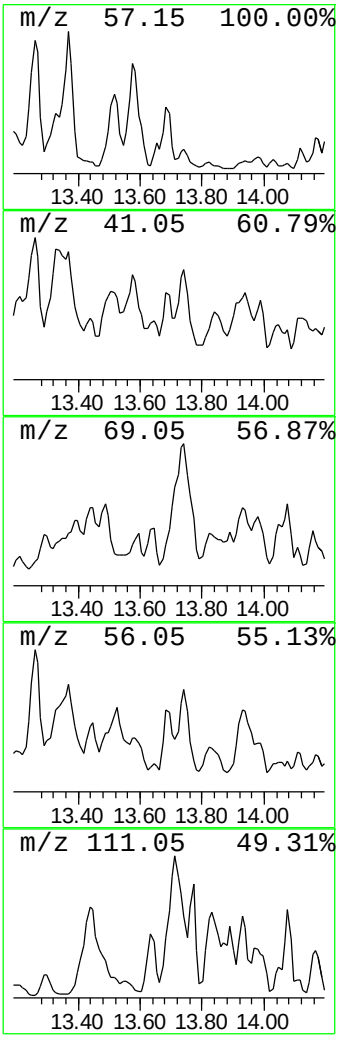
****

Peak Number 2 unknown13.69 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	230.29 ug/l	5872080	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	43
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	38
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	38
4	Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	35
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	35





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Quant Title : SW846 8260

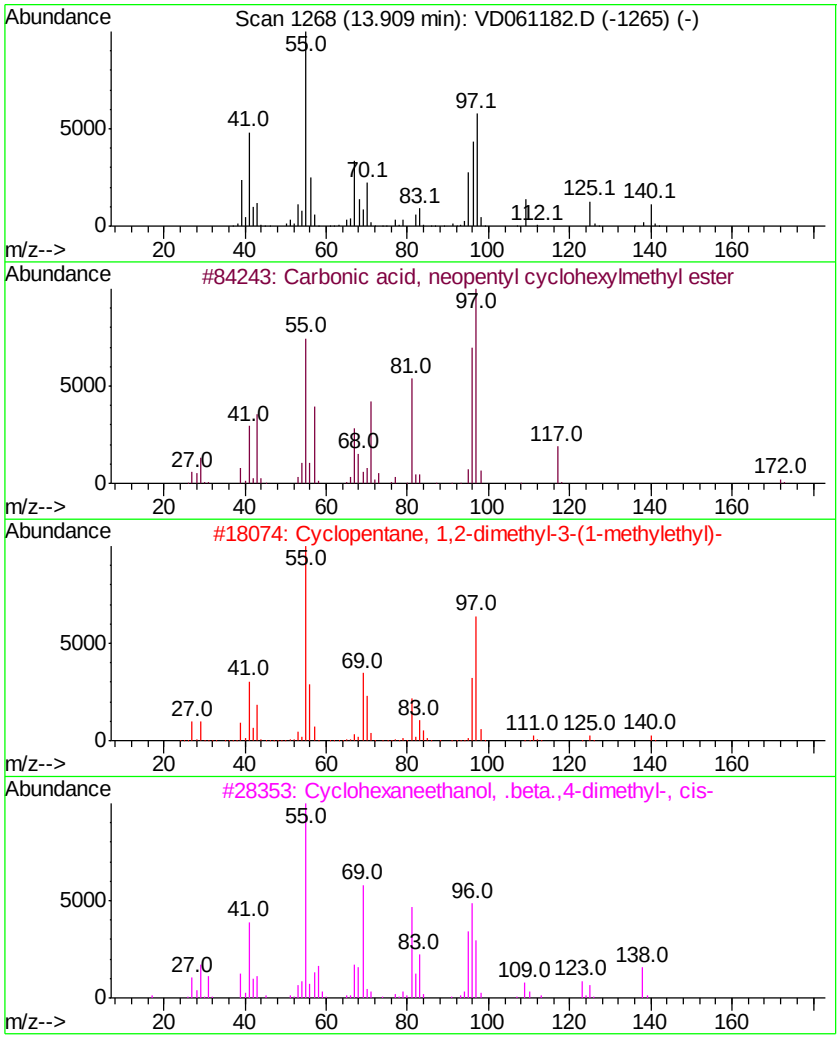
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

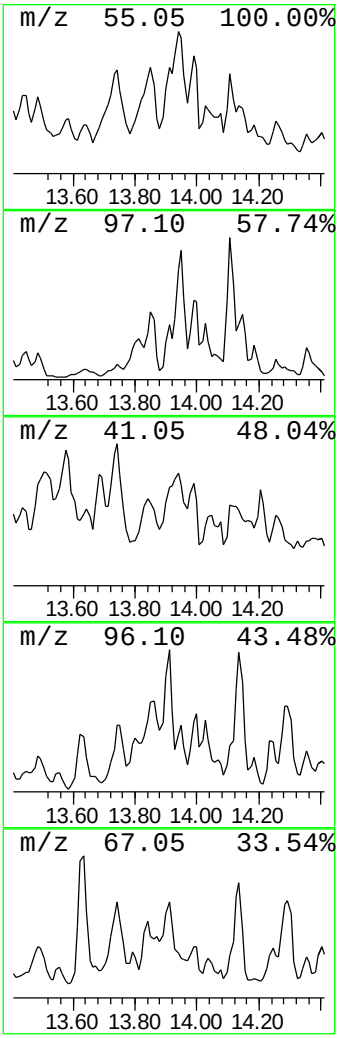
****

Peak Number 3 Carbonic acid, neopentyl cy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	453.47 ug/l	11562800	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, neopentyl cyclohe...	228	C13H24O3	1000357-85-8	50
2	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	47
3	Cyclohexaneethanol, .beta.,4-dim...	156	C10H20O	005113-95-1	47
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46





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Quant Title : SW846 8260

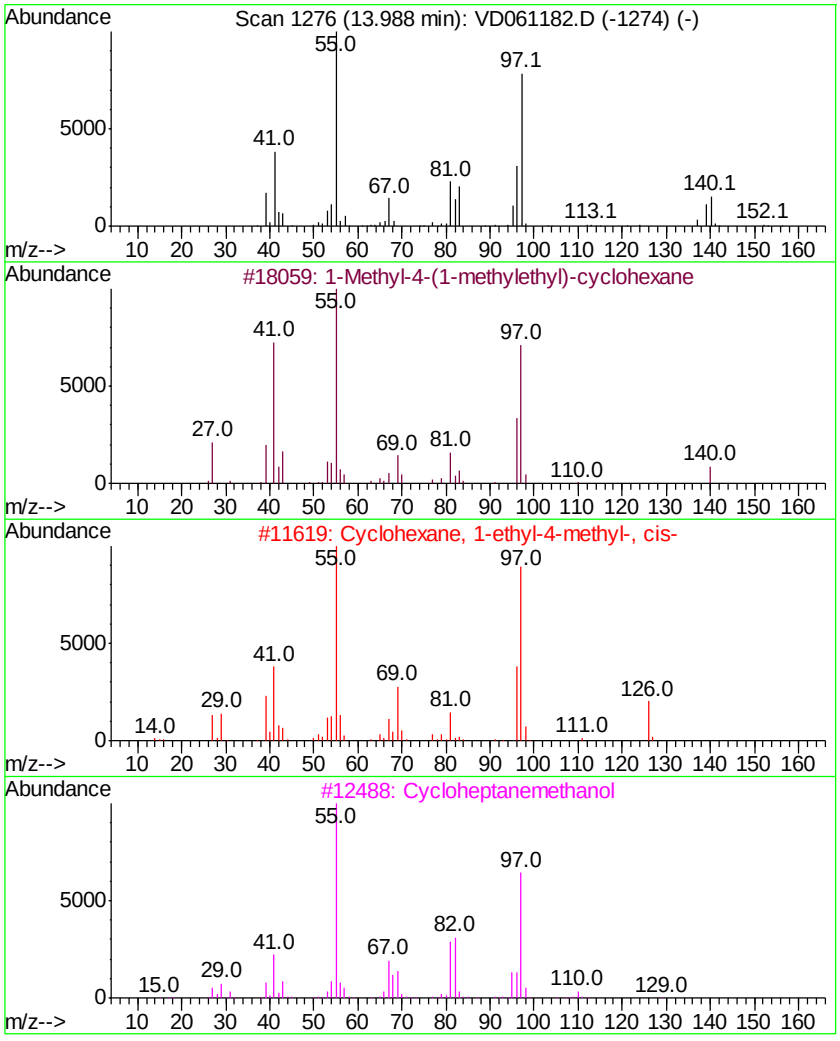
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

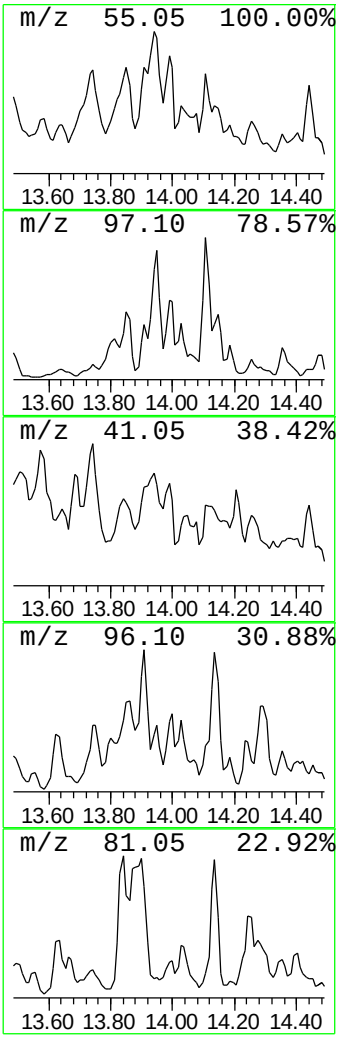
****

Peak Number 4 1-Methyl-4-(1-methylethyl)-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	273.93 ug/l	6984640	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	59
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
3	Cycloheptanemethanol	128	C8H16O	004448-75-3	53
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	53
5	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	53





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

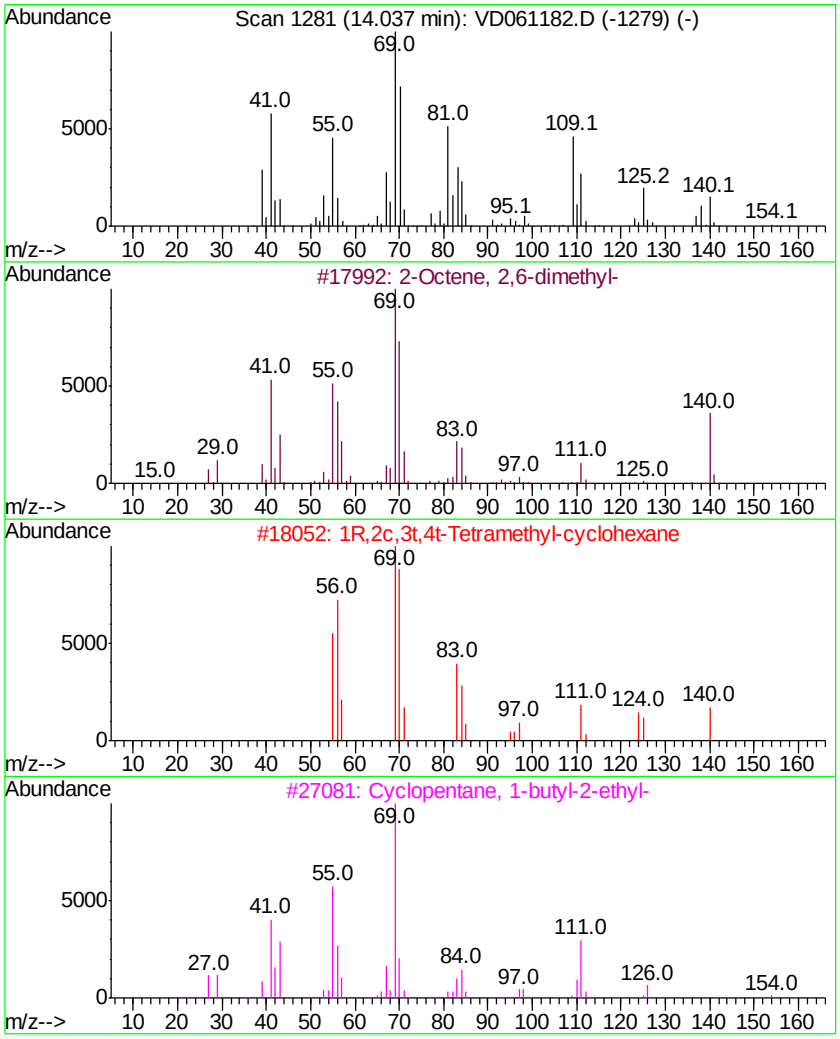
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

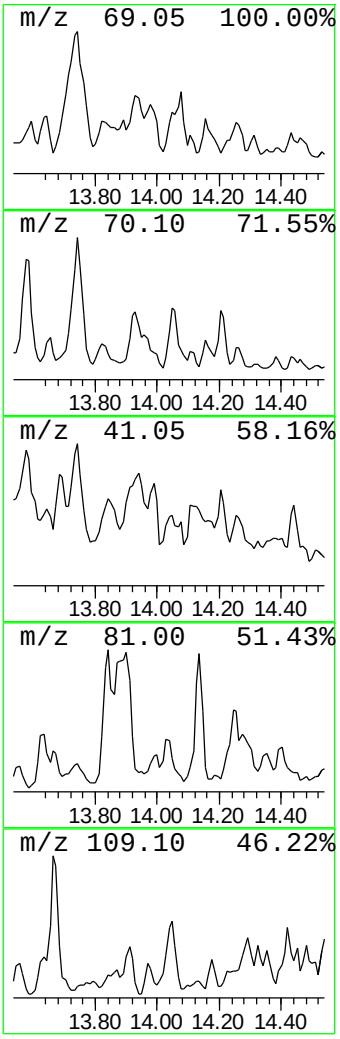
****

Peak Number 5 2-Octene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	216.92 ug/l	5530960	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	52
2	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	50
3	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	43
4	3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	38
5	3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	38





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Quant Title : SW846 8260

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

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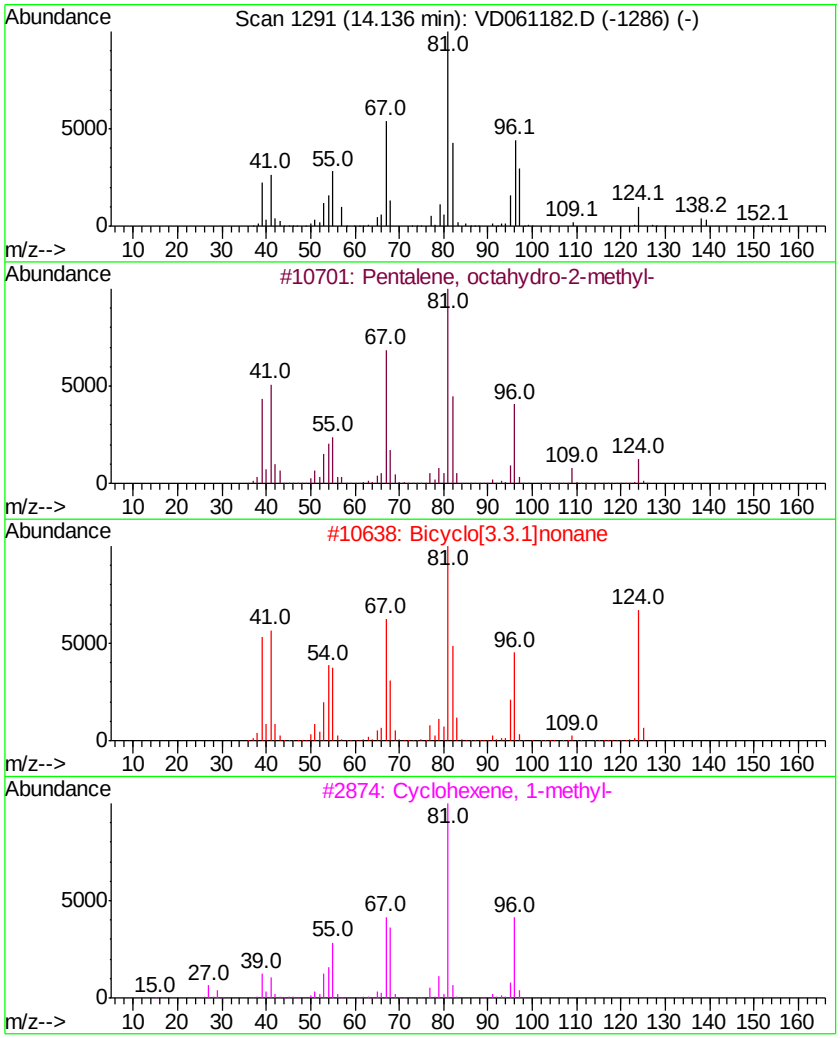
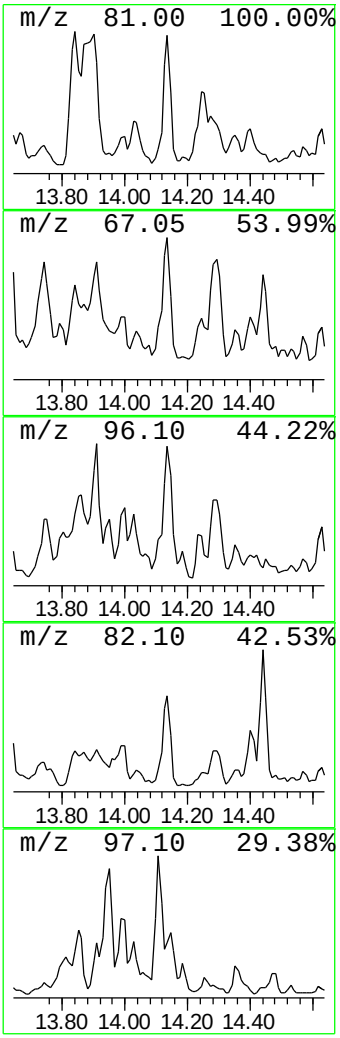
Peak Number 6 Pentalene, octahydro-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	602.20 ug/l	15355000	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	87
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	87
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	76
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	64
5	trans-4-Methylcyclohexanol, pent...	260	C10H13F5O2	1000364-13-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
Data File : VD061182.D
Acq On : 19 Mar 2019 13:54
Operator : VA/AP
Sample : K1970-04
Misc : 6.15g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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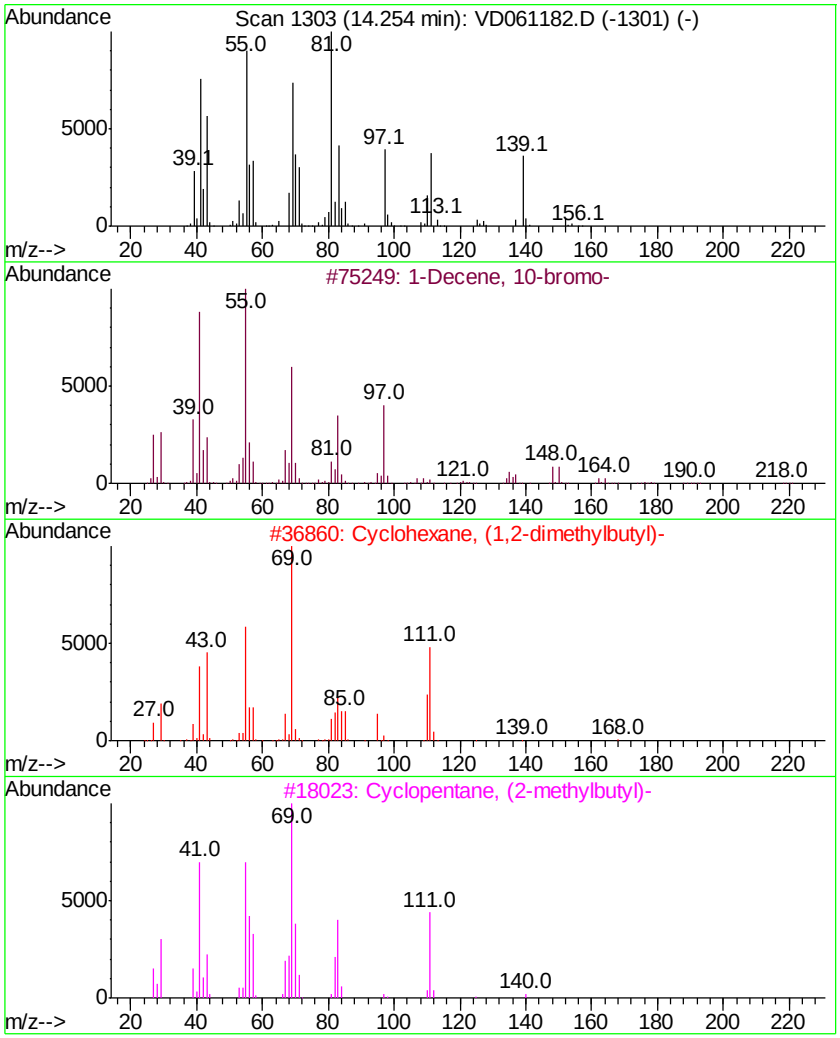
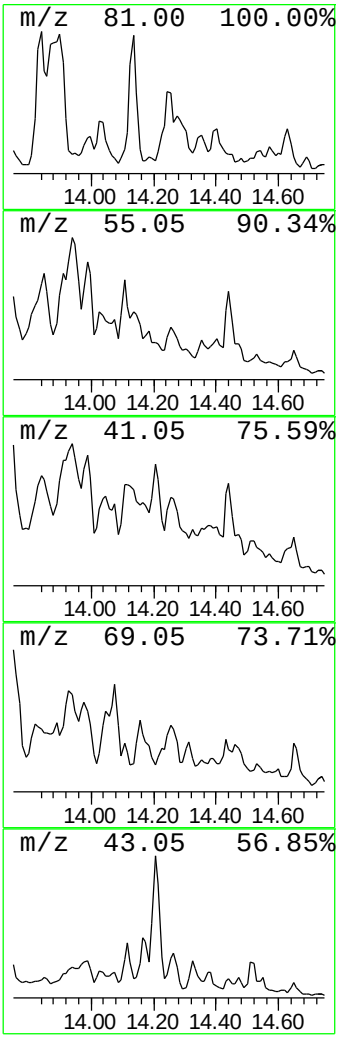
Peak Number 7 unknown14.25 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	392.71 ug/l	10013500	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene, 10-bromo-	218	C10H19Br	062871-09-4	43
2	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	27
3	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	27
4	4-Decene, 3-methyl-, (E)-	154	C11H22	062338-47-0	27
5	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
Data File : VD061182.D
Acq On : 19 Mar 2019 13:54
Operator : VA/AP
Sample : K1970-04
Misc : 6.15g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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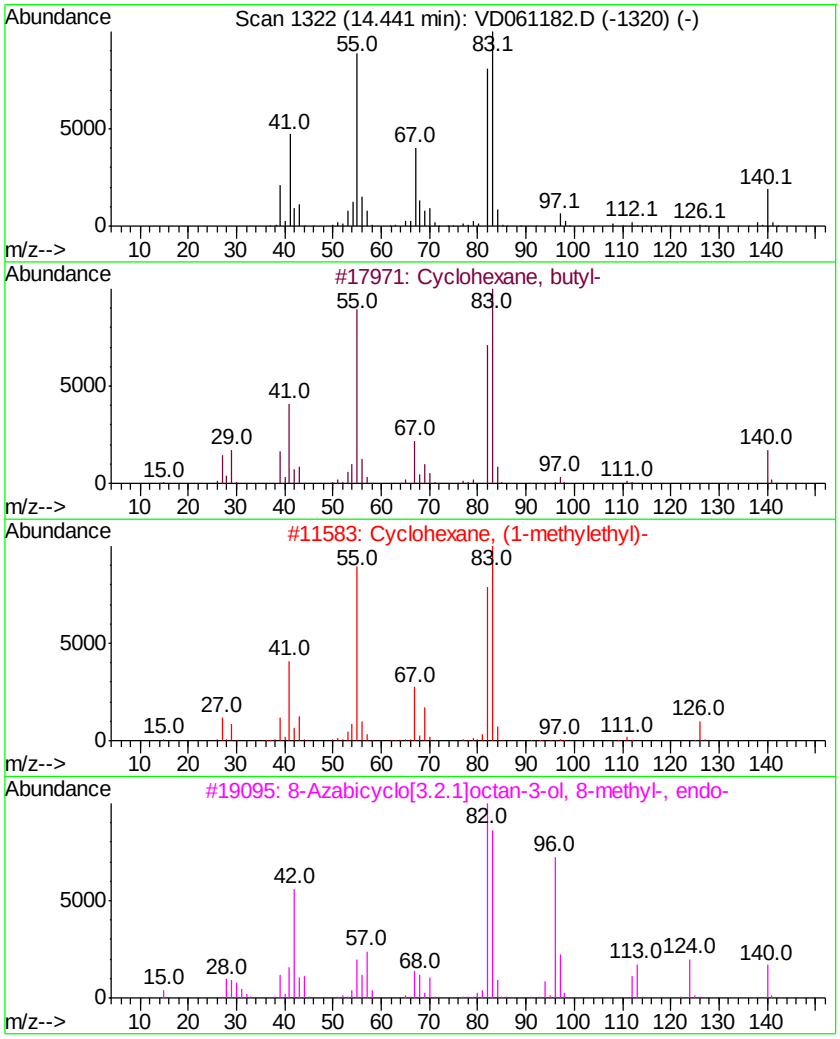
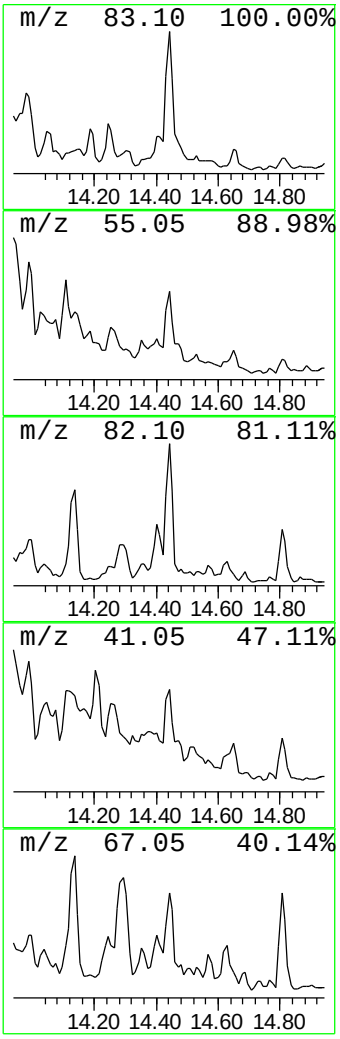
Peak Number 8 Cyclohexane, butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	218.90 ug/l	5581670	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
3	8-Azabicyclo[3.2.1]octan-3-ol, 8...	141	C8H15NO	000120-29-6	64
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	43
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	43





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Data File : VD061182.D
Acq On : 19 Mar 2019 13:54
Operator : VA/AP
Sample : K1970-04
Misc : 6.15g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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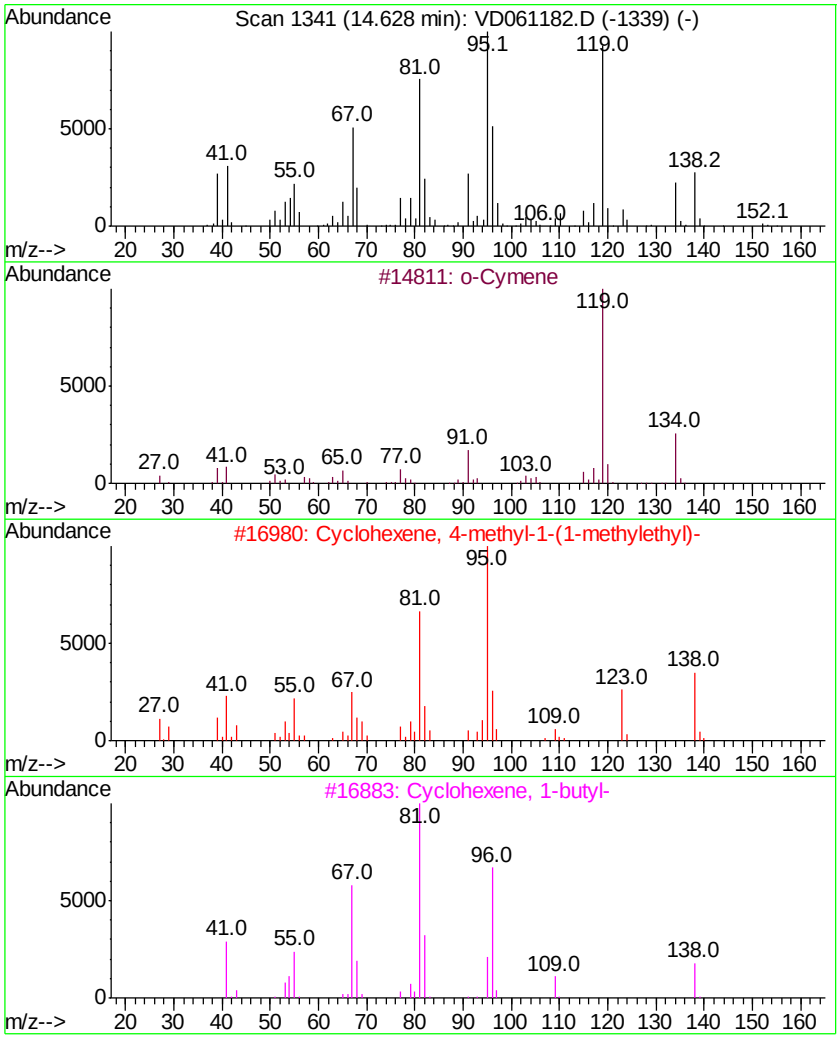
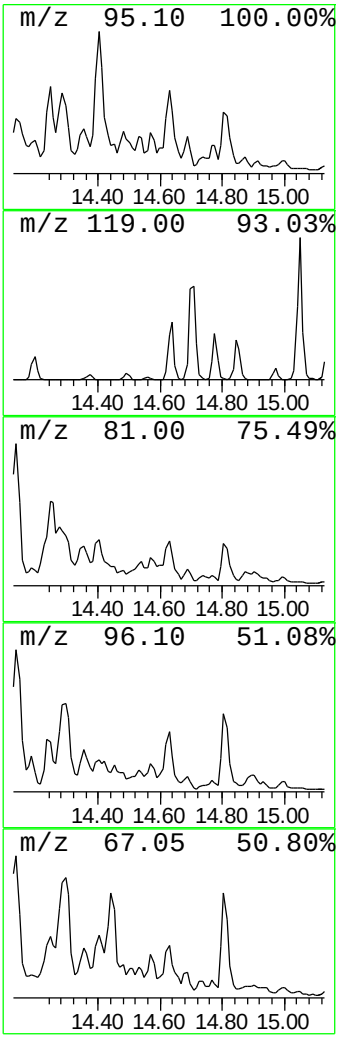
Peak Number 9 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	203.60 ug/l	5191470	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	60
2	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	58
3	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	50
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	35
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	35





Library Search Compound Report

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Data File : VD061182.D
Acq On : 19 Mar 2019 13:54
Operator : VA/AP
Sample : K1970-04
Misc : 6.15g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

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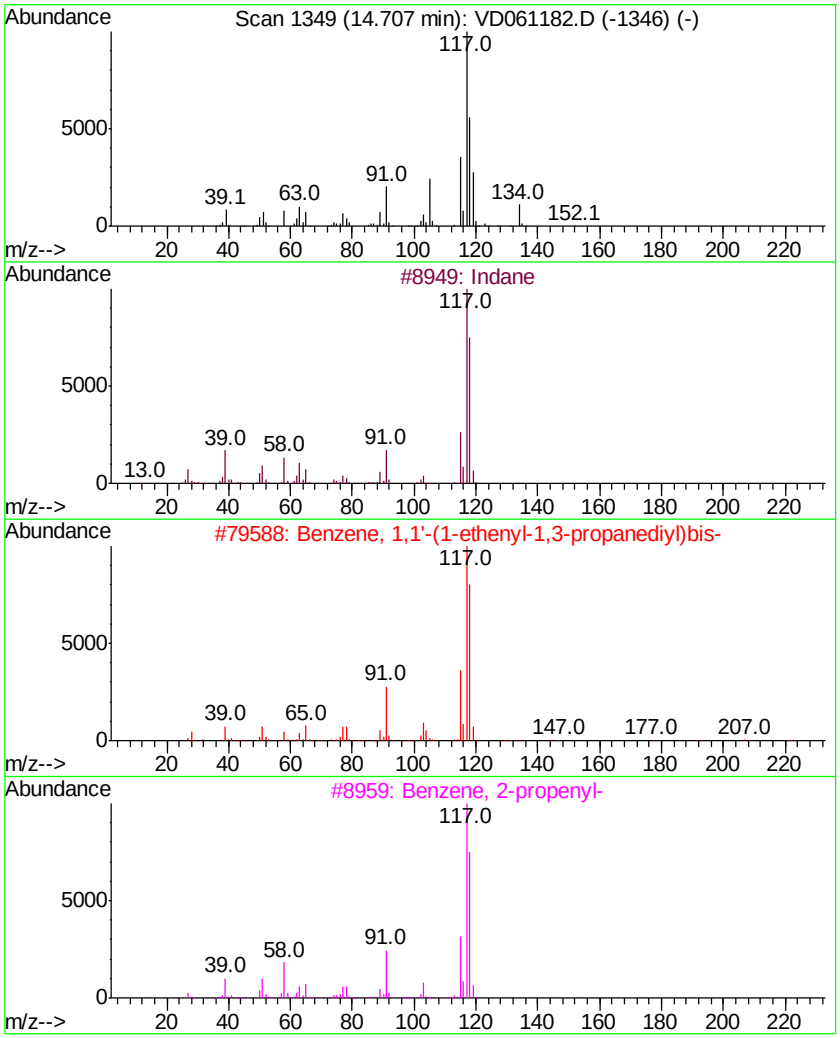
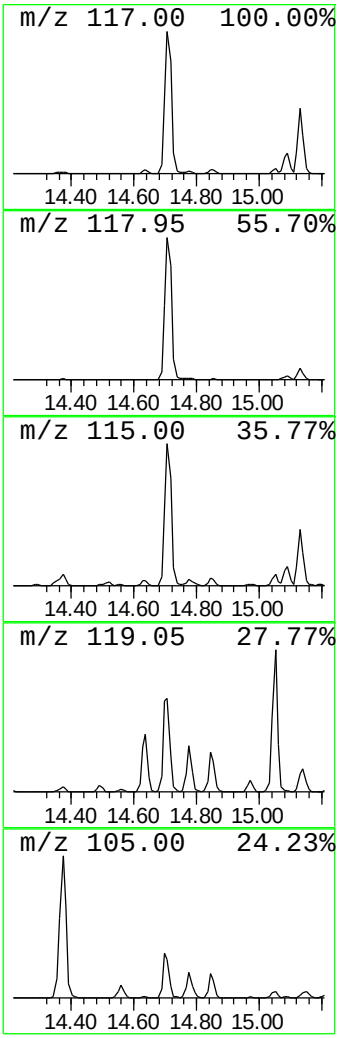
Peak Number 10 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	400.14 ug/l	10203000	1,4-Dichlorobenzene-d4	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Deltacyclene	118	C9H10	007785-10-6	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031919\
Data File : VD061182.D
Acq On : 19 Mar 2019 13:54
Operator : VA/AP
Sample : K1970-04
Misc : 6.15g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-4-E.WALL-S.CENTER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.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
Pentane, 3-ethyl-...	10.12	228.3	ug/l	11080500	2	8.21	2426720	50.0
unknown13.69	13.69	230.3	ug/l	5872080	4	14.52	1274920	50.0
Carbonic acid, ne...	13.91	453.5	ug/l	11562800	4	14.52	1274920	50.0
1-Methyl-4-(1-met...	13.99	273.9	ug/l	6984640	4	14.52	1274920	50.0
2-Octene, 2,6-dim...	14.04	216.9	ug/l	5530960	4	14.52	1274920	50.0
Pentalene, octahy...	14.14	602.2	ug/l	15355000	4	14.52	1274920	50.0
unknown14.25	14.25	392.7	ug/l	10013500	4	14.52	1274920	50.0
Cyclohexane, butyl-	14.44	218.9	ug/l	5581670	4	14.52	1274920	50.0
Cyclohexene, 4-me...	14.63	203.6	ug/l	5191470	4	14.52	1274920	50.0
Indane	14.71	400.1	ug/l	10203000	4	14.52	1274920	50.0