

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063519.D
 Acq On : 13 Aug 2019 7:23
 Operator : JC/SY
 Sample : K4085-03
 Misc : 6.66g/5ml/MSVOA D/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-080919-B

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	1.487	3	6	25	rVB	1050788	3101399	14.23%	1.101%
2	3.820	236	243	256	rBV2	124312	358934	1.65%	0.127%
3	6.931	549	559	565	rBV2	565399	1616572	7.42%	0.574%
4	7.049	565	571	588	rVB	1085865	3055835	14.02%	1.085%
5	7.453	605	612	625	rBV	414186	1159419	5.32%	0.412%
6	8.221	684	690	709	rBV	1437502	3615505	16.59%	1.284%
7	10.416	905	913	924	rBV	793172	1838943	8.44%	0.653%
8	11.755	1045	1049	1053	rVB	125620	254010	1.17%	0.090%
9	11.833	1053	1057	1061	rBV	171752	388429	1.78%	0.138%
10	12.129	1083	1087	1089	rBV	233204	418733	1.92%	0.149%
11	12.178	1089	1092	1097	rVB2	257479	595763	2.73%	0.212%
12	12.316	1101	1106	1108	rBV	320105	574138	2.63%	0.204%
13	12.365	1108	1111	1116	rVB	1266378	2177605	9.99%	0.773%
14	12.552	1125	1130	1134	rBV	208385	446738	2.05%	0.159%
15	12.641	1134	1139	1142	rBV3	282607	887210	4.07%	0.315%
16	12.700	1142	1145	1147	rBV	751492	1077142	4.94%	0.382%
17	12.739	1147	1149	1157	rVB2	2039774	3555606	16.31%	1.263%
18	12.857	1157	1161	1165	rBV2	194054	374612	1.72%	0.133%
19	13.005	1172	1176	1179	rBV2	1349960	2889905	13.26%	1.026%
20	13.054	1179	1181	1183	rVB3	295395	350382	1.61%	0.124%
21	13.094	1183	1185	1189	rVB2	639660	1067742	4.90%	0.379%
22	13.153	1189	1191	1193	rBV	287383	380718	1.75%	0.135%
23	13.222	1193	1198	1201	rBV	2625511	4141809	19.00%	1.471%
24	13.310	1201	1207	1214	rBV4	2629416	6981497	32.03%	2.479%
25	13.409	1214	1217	1220	rVB3	665279	1106203	5.08%	0.393%
26	13.487	1220	1225	1228	rBV2	1655730	4313287	19.79%	1.532%
27	13.556	1228	1232	1233	rBV3	3349216	5140738	23.59%	1.825%
28	13.586	1233	1235	1237	rVB	2265806	2809948	12.89%	0.998%
29	13.665	1241	1243	1246	rBV	3143287	4378138	20.09%	1.555%
30	13.714	1246	1248	1255	rVB2	2509413	4370748	20.05%	1.552%
31	13.832	1255	1260	1263	rBV2	1113835	2635709	12.09%	0.936%
32	13.891	1263	1266	1267	rBV2	1461672	2364537	10.85%	0.840%
33	13.930	1267	1270	1272	rVV2	2976127	5619387	25.78%	1.995%
34	13.970	1272	1274	1277	rVB	15300088	19226701	88.22%	6.827%

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35	14.029	1277	1280	1282	rVB3	664789	886455	4.07%	0.315%
36	14.068	1282	1284	1285	rBV	777979	1062752	4.88%	0.377%
37	14.117	1285	1289	1292	rVV4	1907323	3425858	15.72%	1.217%
38	14.167	1292	1294	1296	rVV	1167498	1682792	7.72%	0.598%
39	14.206	1296	1298	1301	rVB	5993823	7156896	32.84%	2.541%
40	14.265	1301	1304	1308	rVB3	2075568	3760010	17.25%	1.335%
41	14.334	1308	1311	1313	rBV	1525720	2749563	12.62%	0.976%
42	14.383	1313	1316	1319	rVB3	2014793	3507363	16.09%	1.245%
43	14.442	1319	1322	1324	rBV	4583939	6586747	30.22%	2.339%
44	14.472	1324	1325	1328	rVV3	1394680	1828337	8.39%	0.649%
45	14.521	1328	1330	1332	rVV	5291312	6735764	30.91%	2.392%
46	14.560	1332	1334	1335	rVV2	4954504	6354394	29.16%	2.256%
47	14.590	1335	1337	1339	rVV	3892576	4449831	20.42%	1.580%
48	14.649	1339	1343	1346	rVB3	4311852	6431682	29.51%	2.284%
49	14.708	1346	1349	1350	rBV2	1031593	1090530	5.00%	0.387%
50	14.738	1350	1352	1354	rVB	1823656	2123577	9.74%	0.754%
51	14.777	1354	1356	1358	rBV	3123007	4333417	19.88%	1.539%
52	14.816	1358	1360	1363	rVV3	3058878	5100888	23.40%	1.811%
53	14.895	1365	1368	1371	rVV	14910266	21794256	100.00%	7.739%
54	14.944	1371	1373	1376	rVB2	2215812	3402070	15.61%	1.208%
55	15.033	1376	1382	1383	rBV2	2747048	6822108	31.30%	2.423%
56	15.062	1383	1385	1387	rVV	3404470	5131068	23.54%	1.822%
57	15.141	1389	1393	1398	rVB3	2473504	6914875	31.73%	2.455%
58	15.230	1398	1402	1404	rBV4	1796143	3384052	15.53%	1.202%
59	15.289	1404	1408	1409	rBV2	3009774	5062298	23.23%	1.798%
60	15.318	1409	1411	1414	rVV2	4388661	8170140	37.49%	2.901%
61	15.358	1414	1415	1416	rVV	2096421	1775554	8.15%	0.630%
62	15.387	1416	1418	1420	rVB2	2626624	3197849	14.67%	1.136%
63	15.437	1420	1423	1429	rBV4	3517369	8829987	40.52%	3.136%
64	15.594	1437	1439	1442	rBV3	821057	1586091	7.28%	0.563%
65	15.653	1442	1445	1446	rBV	4975323	7956903	36.51%	2.825%
66	15.752	1452	1455	1457	rVB2	3259978	4788099	21.97%	1.700%
67	15.801	1457	1460	1463	rVB3	2972733	4947351	22.70%	1.757%
68	15.929	1468	1473	1475	rVV2	1428186	3684328	16.91%	1.308%
69	15.998	1475	1480	1482	rVV4	1898715	4617218	21.19%	1.640%
70	16.057	1484	1486	1490	rVV3	1405153	3459099	15.87%	1.228%
71	16.145	1492	1495	1497	rVV2	1681876	2756858	12.65%	0.979%

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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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72	16.175	1497	1498	1500	rVV	916213	1105398	5.07%	0.393%
73	16.234	1500	1504	1508	rVB4	1848253	3575922	16.41%	1.270%
74	16.313	1508	1512	1515	rVB5	581016	1430466	6.56%	0.508%
75	16.362	1515	1517	1521	rBV4	302080	757061	3.47%	0.269%
76	16.421	1521	1523	1526	rVB2	494751	656629	3.01%	0.233%
77	16.480	1526	1529	1530	rBV2	521723	698450	3.20%	0.248%
78	16.510	1530	1532	1534	rVB	717388	878006	4.03%	0.312%
79	16.628	1542	1544	1551	rVB	310381	739087	3.39%	0.262%
80	16.736	1551	1555	1558	rVB	450704	726346	3.33%	0.258%
81	16.874	1565	1569	1572	rVB5	109257	224698	1.03%	0.080%

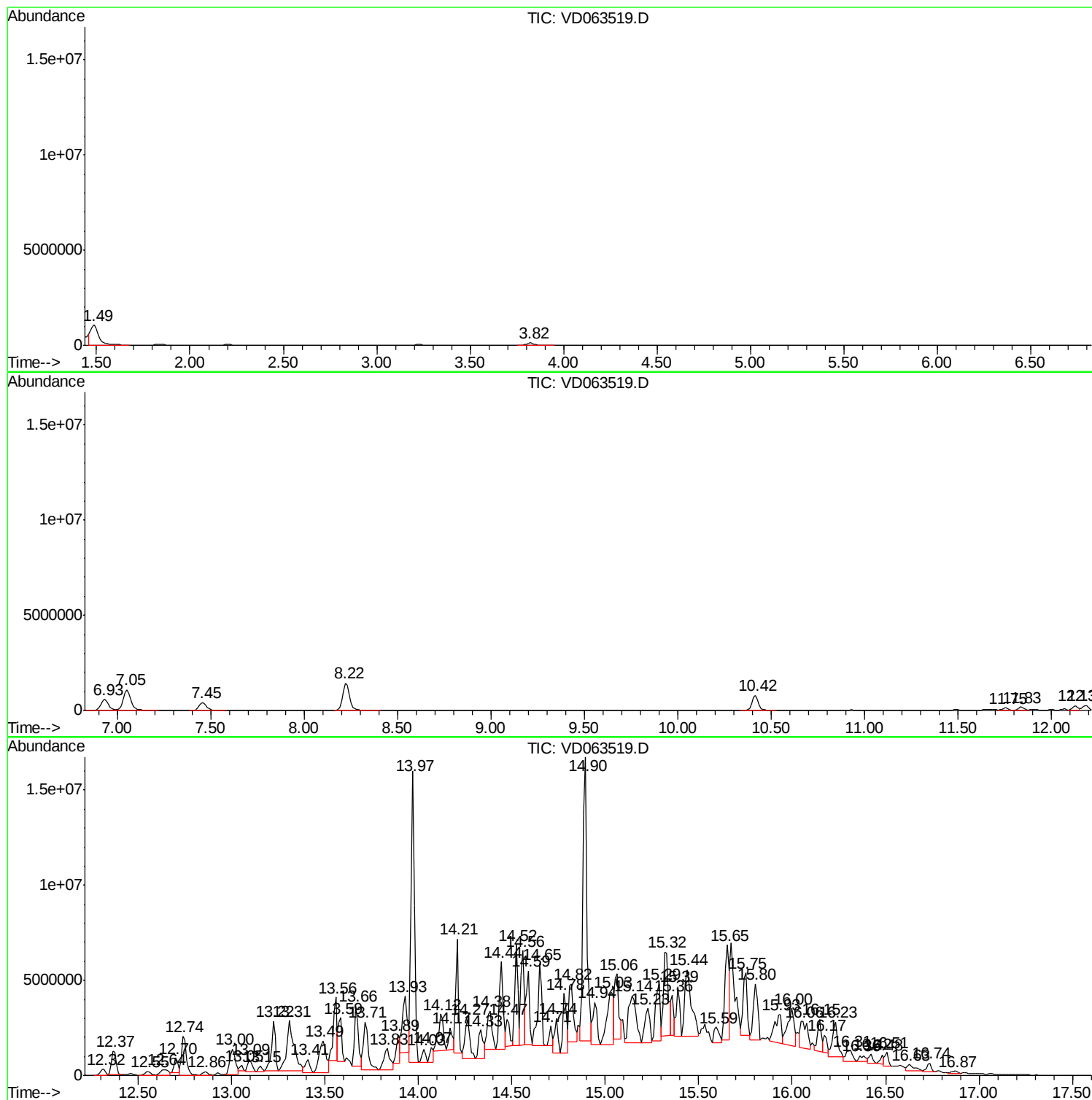
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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



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Misc : 6.66g/5ml/MSVOA D/SOIL
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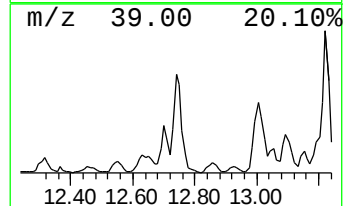
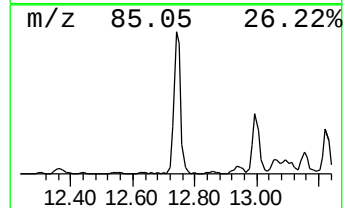
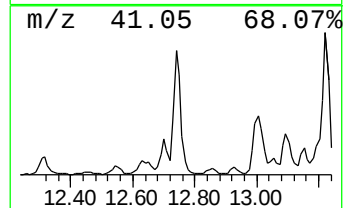
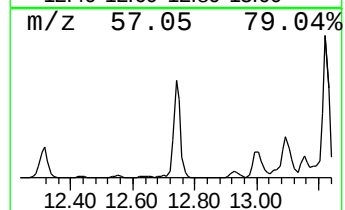
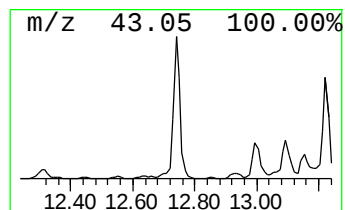
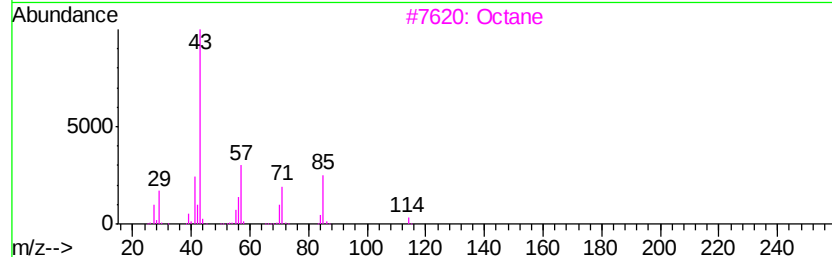
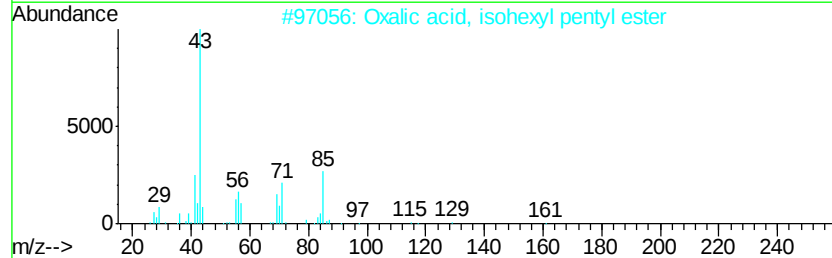
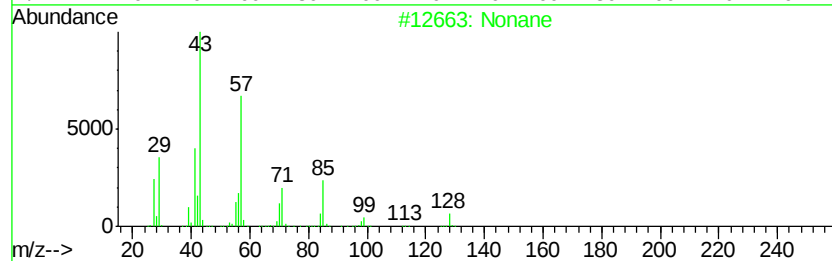
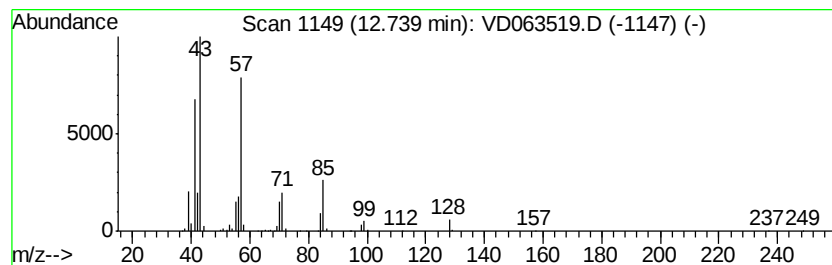
Instrument :
MSVOA_D
ClientSampleId :
HR-05-080919-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

Peak Number 2 Nonane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.74	81.64 ug/l	3555610	Chlorobenzene-d5	12.37		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane		128	C9H20	000111-84-2	94
2	Oxalic acid, isohexyl pentyl ester		244	C13H24O4	1000309-32-8	59
3	Octane		114	C8H18	000111-65-9	53
4	Octane, 2-methyl-		128	C9H20	003221-61-2	53
5	Oxalic acid, isobutyl pentyl ester		216	C11H20O4	1000309-37-0	50



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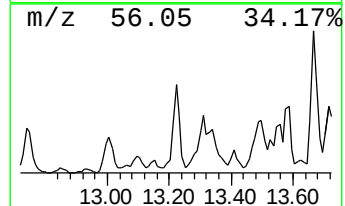
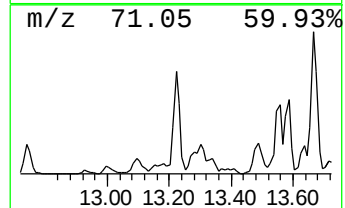
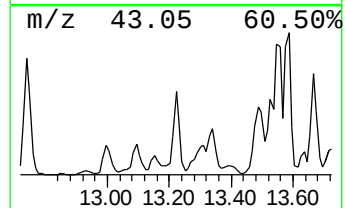
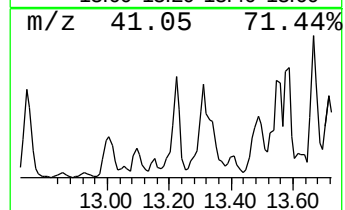
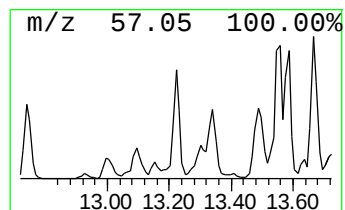
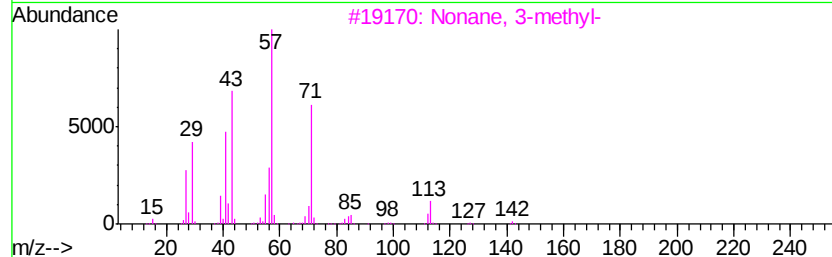
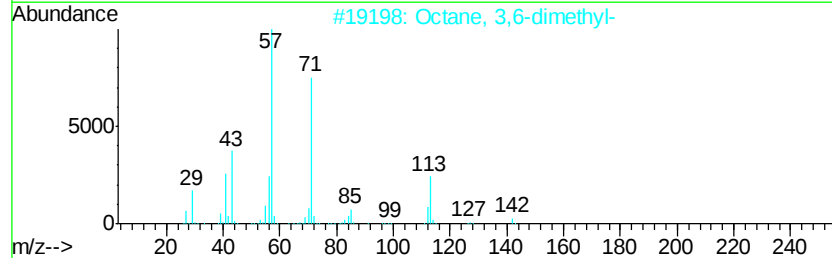
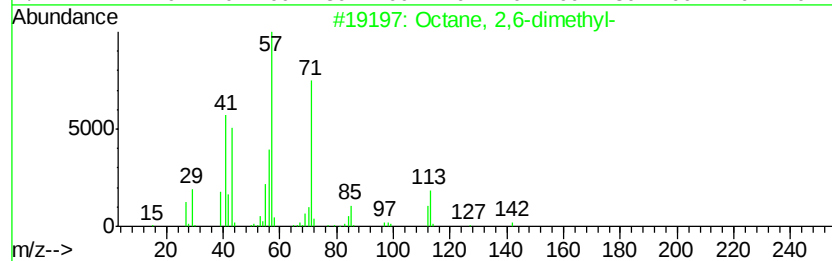
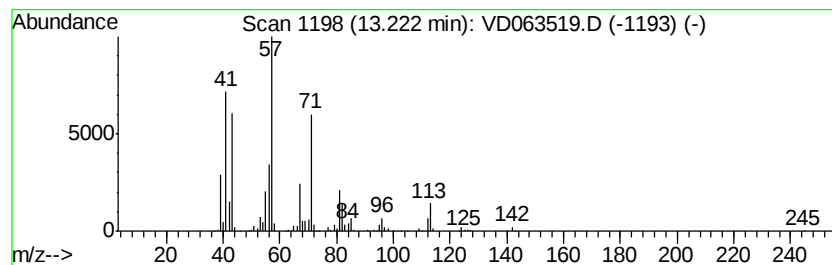
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	95.10 ug/l	4141810	Chlorobenzene-d5	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	92
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	74
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53



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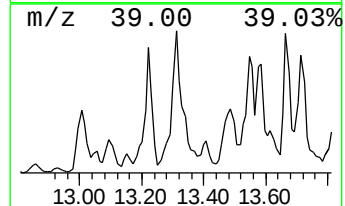
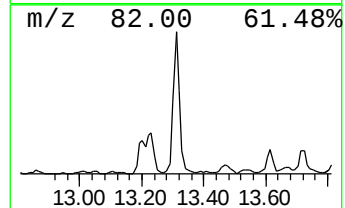
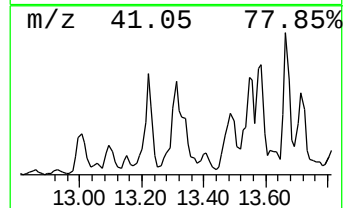
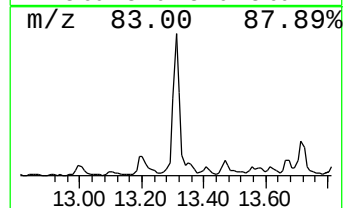
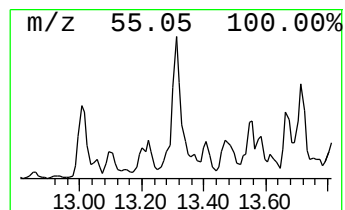
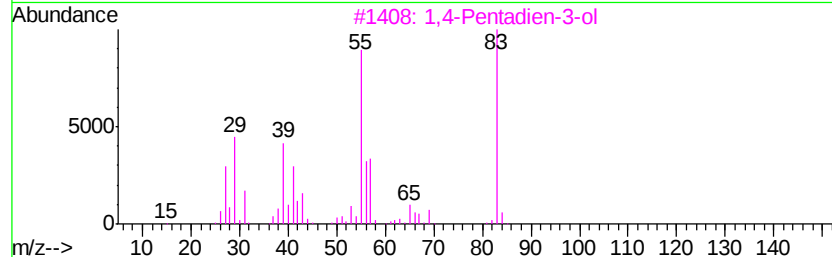
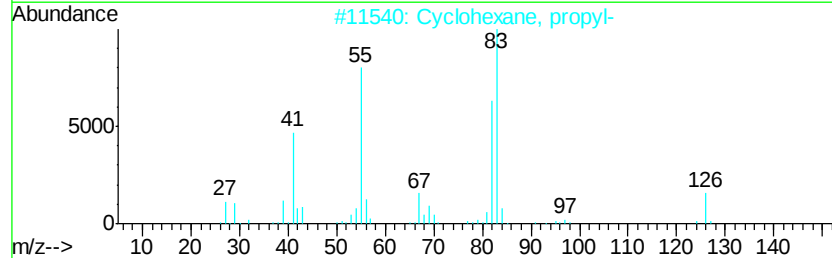
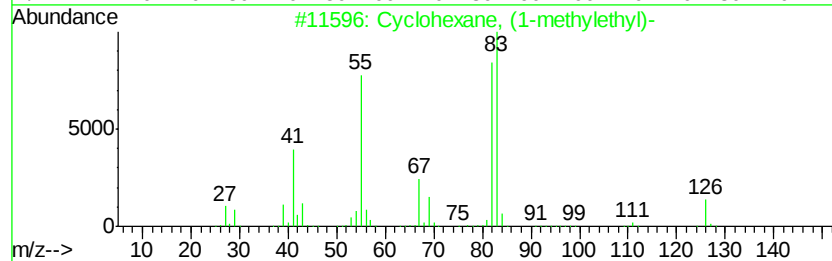
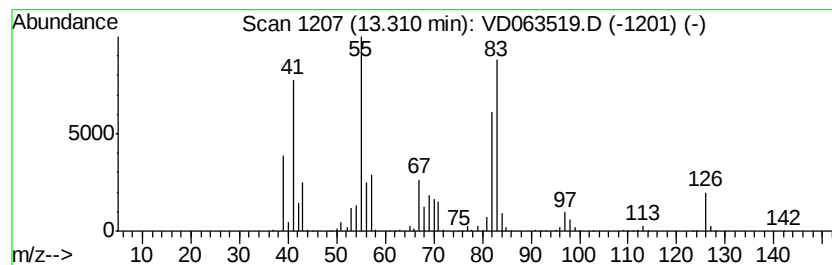
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, (1-methylethyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	160.30 ug/l	6981500	Chlorobenzene-d5	12.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	58
3		1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	52
4		2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	46
5		Cyclohexane, methyl-	98	C7H14	000108-87-2	43



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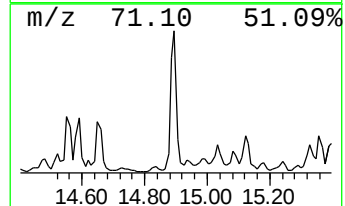
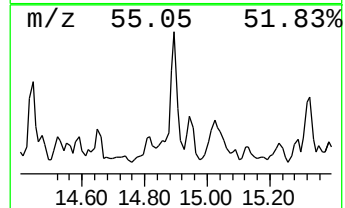
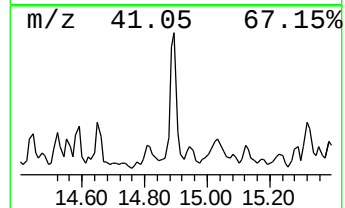
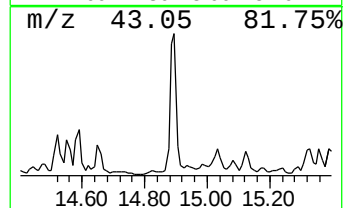
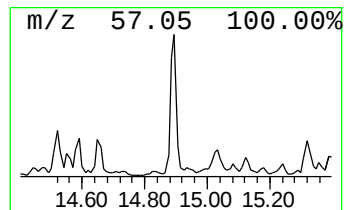
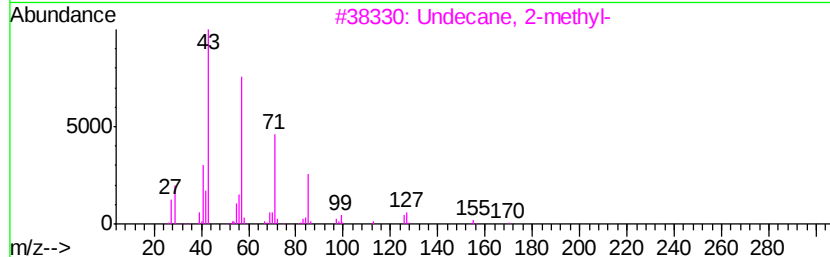
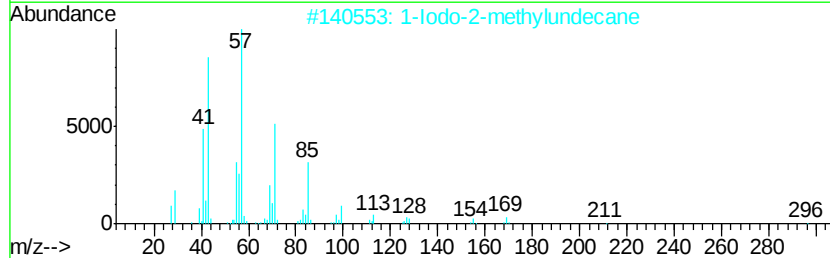
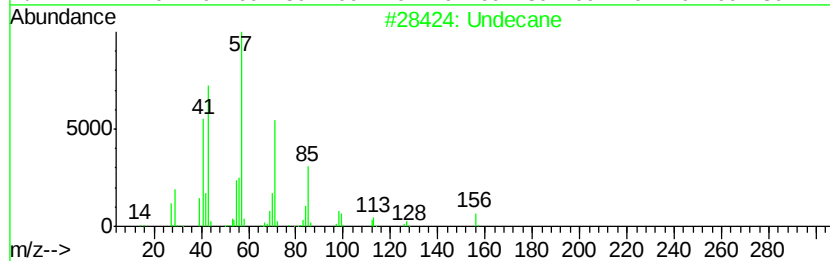
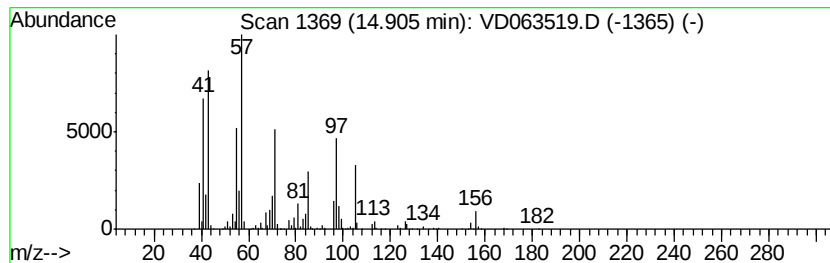
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Quant Title : SW846 8260

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

Peak Number 5 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	161.78 ug/l	21794300	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	93
2		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	59
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	59
4		Hexadecane	226	C16H34	000544-76-3	59
5		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063519.D
Acq On : 13 Aug 2019 7:23
Operator : JC/SY
Sample : K4085-03
Misc : 6.66a/5ml/MSVOA D/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-05-080919-B

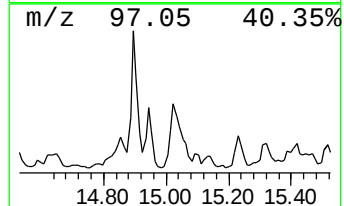
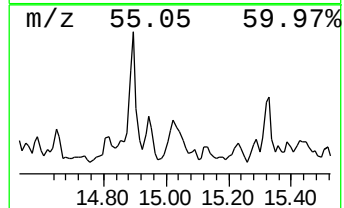
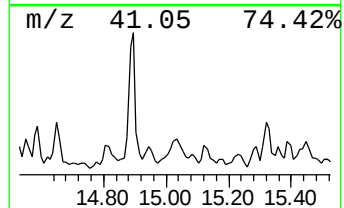
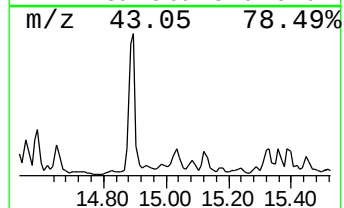
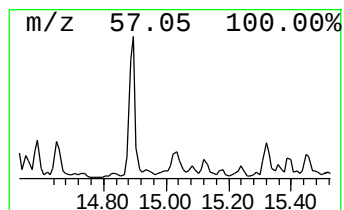
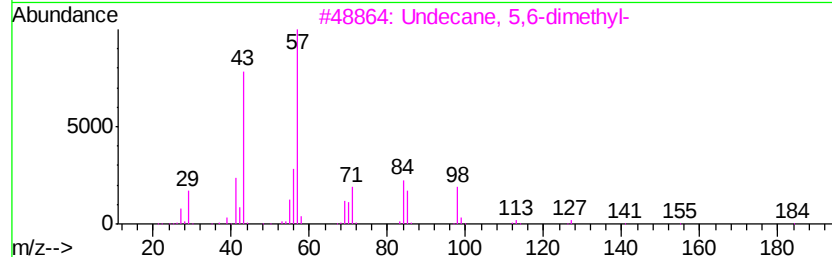
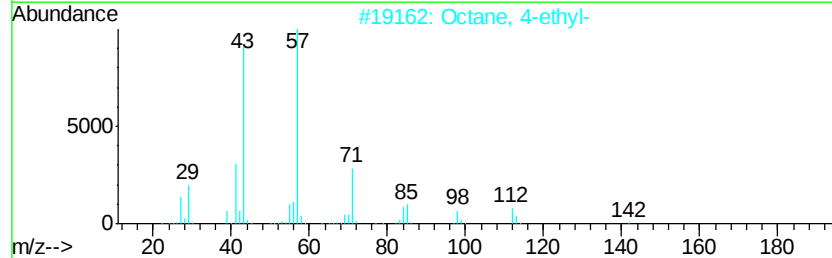
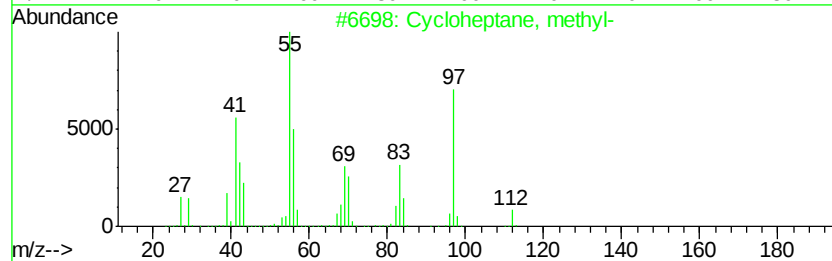
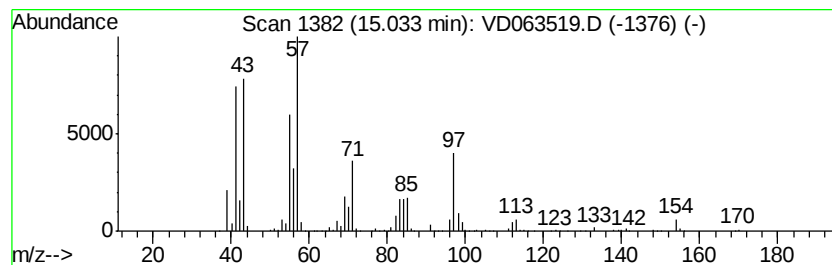
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Quant Title : SW846 8260

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

Peak Number 6 Cycloheptane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	50.64 ug/l	6822110	1,4-Dichlorobenzene-d4	14.52

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cycloheptane, methyl-	112	C8H16	004126-78-7	50
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	43
3		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	43
4		Oxalic acid, cyclobutyl undecyl ...	298	C17H30O4	1000309-70-2	43
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063519.D
Acq On : 13 Aug 2019 7:23
Operator : JC/SY
Sample : K4085-03
Misc : 6.66g/5ml/MSVOA D/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-05-080919-B

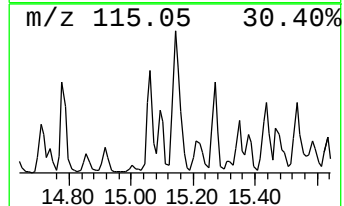
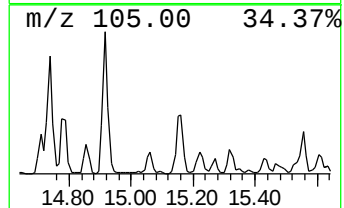
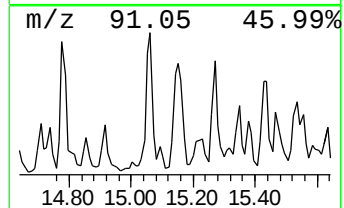
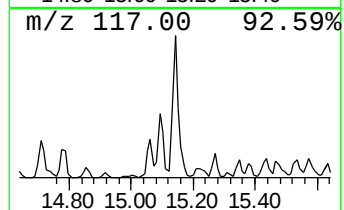
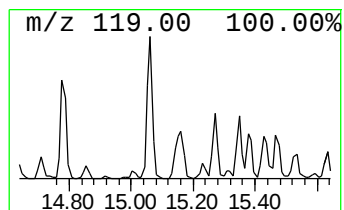
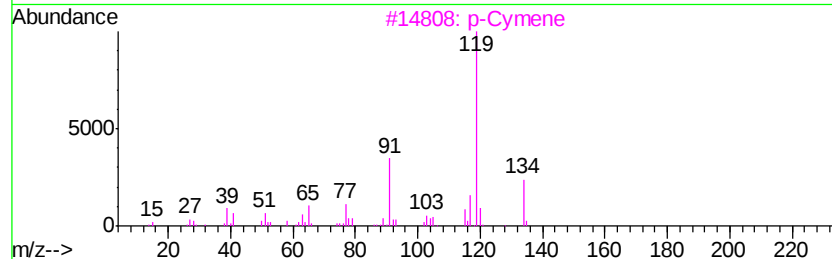
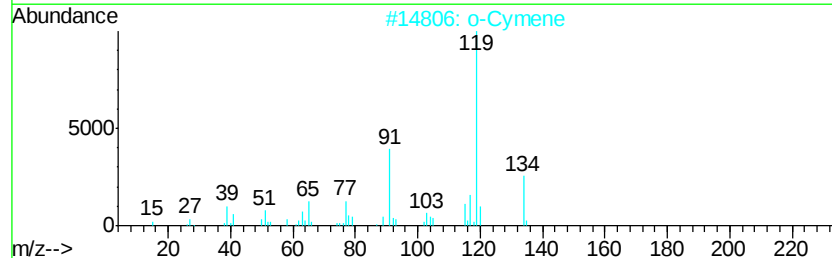
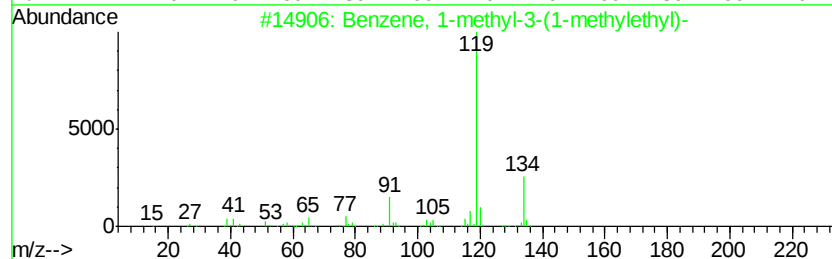
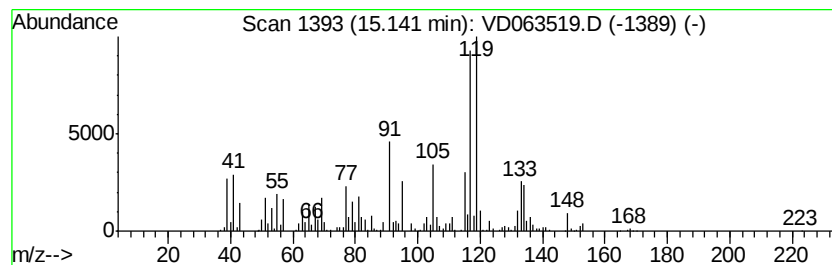
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Quant Title : SW846 8260

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

Peak Number 7 unknown15.14 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	51.33 ug/l	6914880	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	42
2		o-Cymene	134	C10H14	000527-84-4	41
3		p-Cymene	134	C10H14	000099-87-6	38
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	38
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063519.D
Acq On : 13 Aug 2019 7:23
Operator : JC/SY
Sample : K4085-03
Misc : 6.66g/5ml/MSVOA D/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
HR-05-080919-B

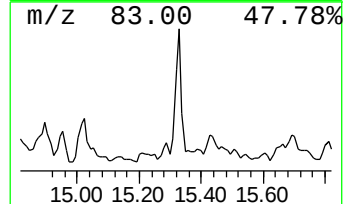
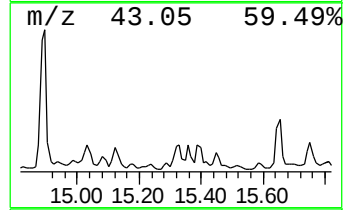
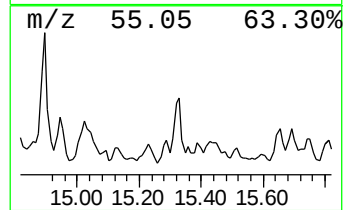
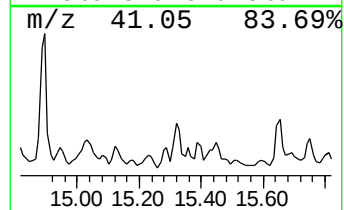
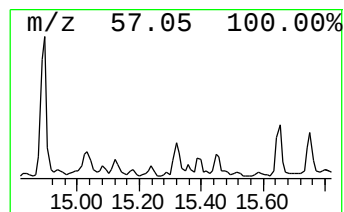
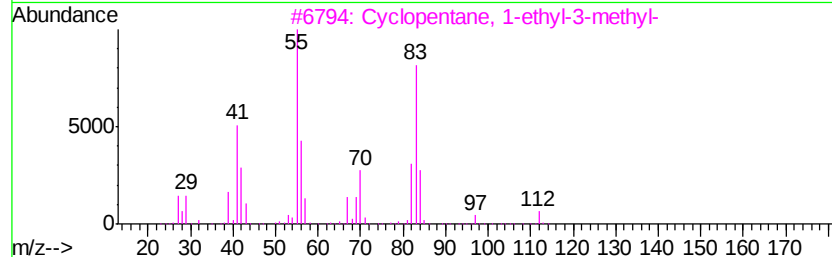
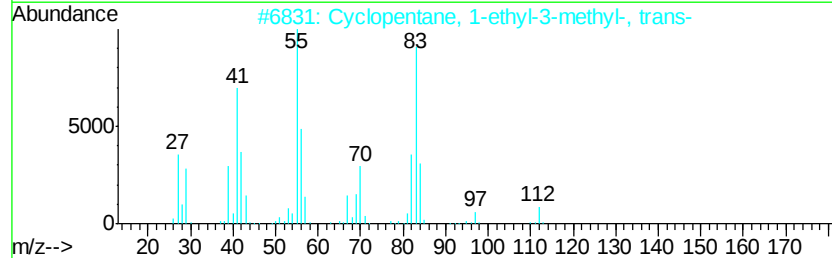
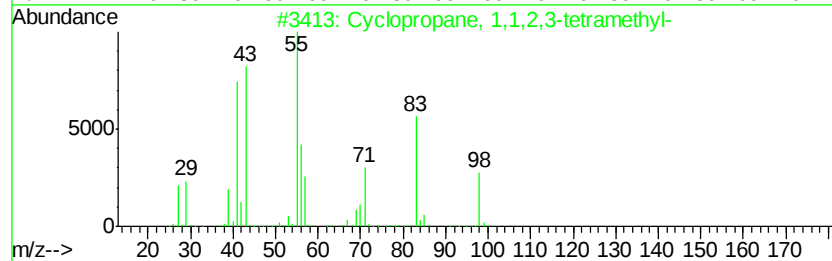
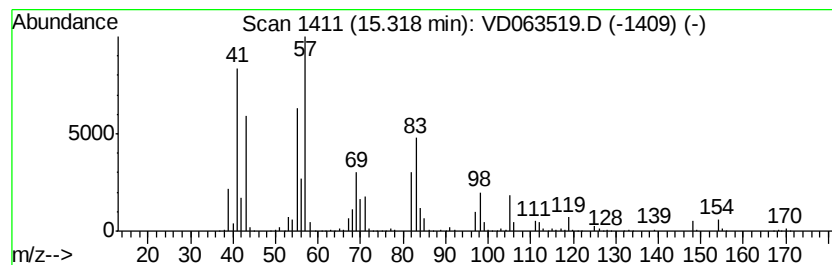
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Quant Title : SW846 8260

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

Peak Number 8 unknown15.32 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	60.65 ug/l	8170140	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	46
2		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	46
3		Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	46
4		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	46
5		Cyclohexane, methyl-	98	C7H14	000108-87-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063519.D
Acq On : 13 Aug 2019 7:23
Operator : JC/SY
Sample : K4085-03
Misc : 6.66a/5ml/MSVOA D/SOIL
ALS Vial : 56 Sample Multiplier: 1

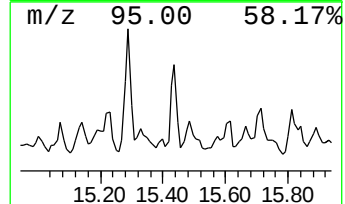
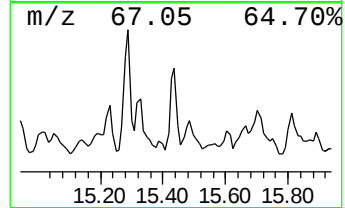
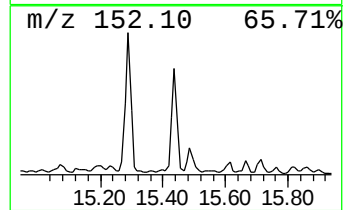
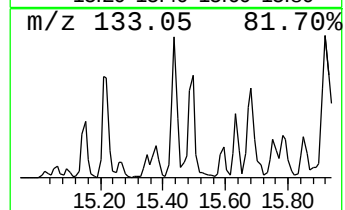
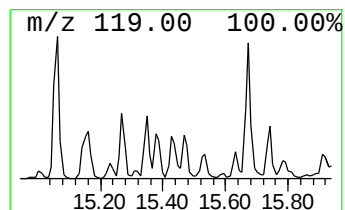
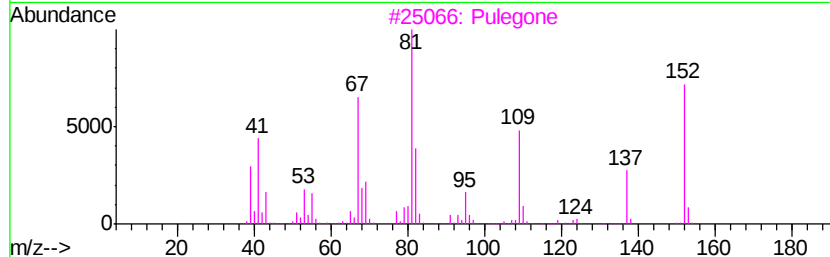
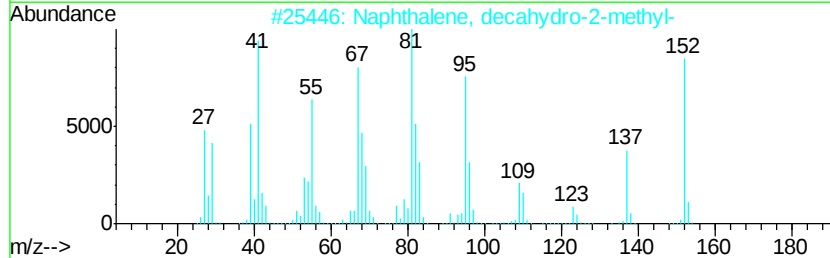
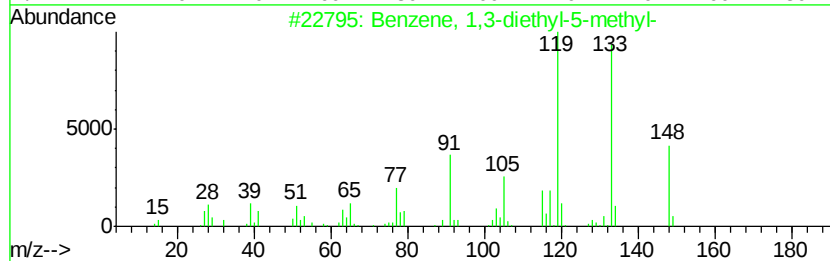
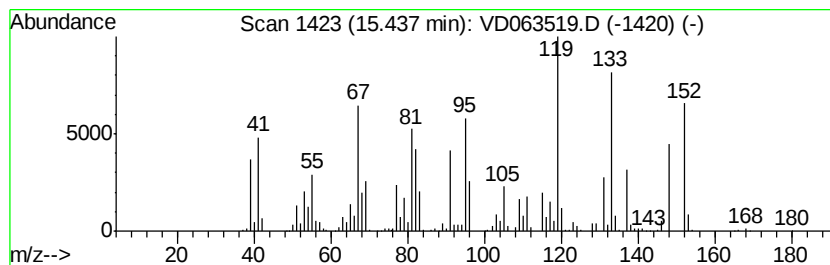
Instrument :
MSVOA_D
ClientSampled :
HR-05-080919-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.44	65.55 ug/l	8829990	1,4-Dichlorobenzene-d4	14.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	89
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
3	Pulegone	152	C10H16O	000089-82-7	38
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	30
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063519.D
Acq On : 13 Aug 2019 7:23
Operator : JC/SY
Sample : K4085-03
Misc : 6.66g/5ml/MSVOA D/SOIL
ALS Vial : 56 Sample Multiplier: 1

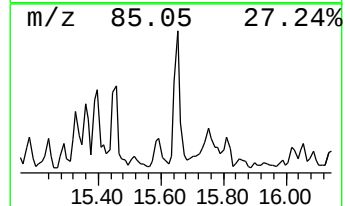
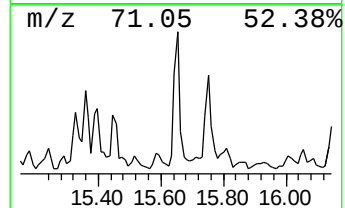
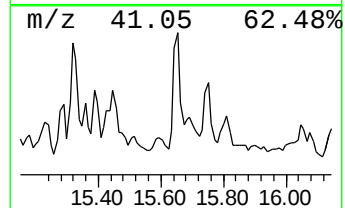
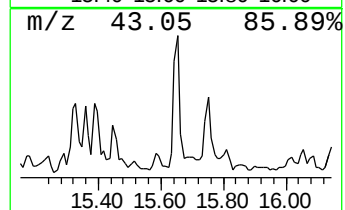
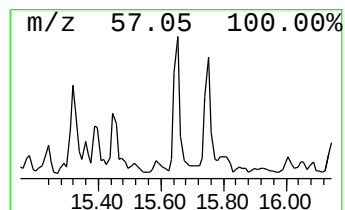
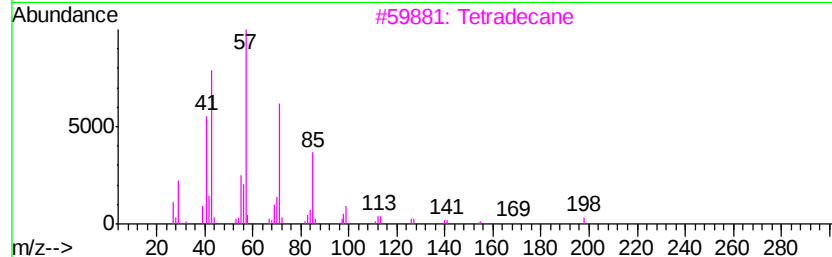
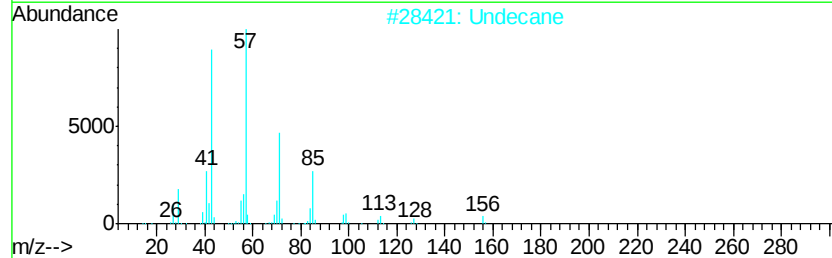
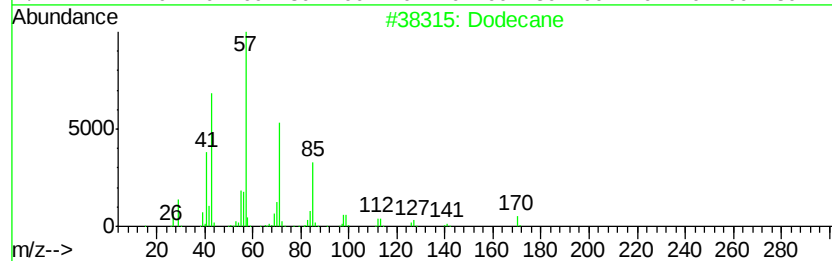
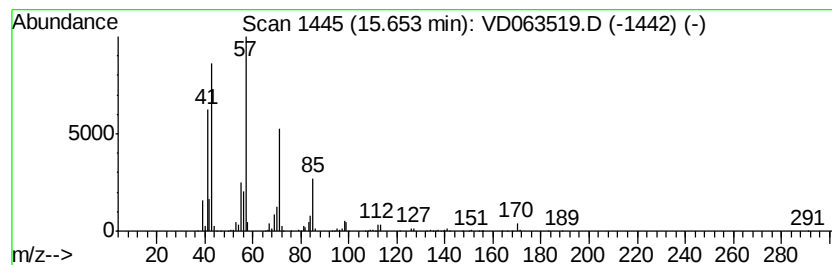
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ClientSampleId :
HR-05-080919-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

Peak Number 10 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	59.06 ug/l	7956900	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	90
3	Tetradecane	198 C14H30	000629-59-4	90
4	Decane	142 C10H22	000124-18-5	86
5	Tridecane	184 C13H28	000629-50-5	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081219\
Data File : VD063519.D
Acq On : 13 Aug 2019 7:23
Operator : JC/SY
Sample : K4085-03
Misc : 6.66g/5ml/MSVOA_D/SOIL
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-05-080919-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Nonane	12.74	81.6	ug/l	3555610	3	12.37	2177610	50.0
Octane, 2,6-dimet...	13.22	95.1	ug/l	4141810	3	12.37	2177610	50.0
Cyclohexane, (1-m...	13.31	160.3	ug/l	6981500	3	12.37	2177610	50.0
Undecane	14.90	161.8	ug/l	21794300	4	14.52	6735760	50.0
Cycloheptane, met...	15.03	50.6	ug/l	6822110	4	14.52	6735760	50.0
unknown15.14	15.14	51.3	ug/l	6914880	4	14.52	6735760	50.0
unknown15.32	15.32	60.6	ug/l	8170140	4	14.52	6735760	50.0
Benzene, 1,3-diet...	15.44	65.5	ug/l	8829990	4	14.52	6735760	50.0
Dodecane	15.65	59.1	ug/l	7956900	4	14.52	6735760	50.0