

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059865.D
 Acq On : 21 Aug 2018 19:40
 Operator : JC/SY
 Sample : J4559-04
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-SSW-75-048

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\82D082018S.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	1.212	92	100	104	rBV	589048	1682315	15.69%	0.869%
2	4.794	457	464	476	rBV	91657	304765	2.84%	0.157%
3	5.513	530	537	542	rBV	620241	1656141	15.45%	0.855%
4	5.601	542	546	561	rVB	837372	2432827	22.69%	1.256%
5	5.985	576	585	595	rBV	498526	1306533	12.18%	0.675%
6	6.654	647	653	667	rBV	1142195	2826230	26.36%	1.460%
7	8.671	852	858	874	rBV	1452792	3486132	32.51%	1.800%
8	9.449	931	937	945	rBV	139249	437848	4.08%	0.226%
9	9.715	960	964	968	rVB2	52607	125012	1.17%	0.065%
10	10.089	997	1002	1007	rBV	162040	423474	3.95%	0.219%
11	10.403	1031	1034	1038	rBV	187783	367742	3.43%	0.190%
12	10.600	1050	1054	1056	rBV2	48674	108181	1.01%	0.056%
13	10.659	1056	1060	1065	rVB	1225736	2324733	21.68%	1.201%
14	10.748	1065	1069	1075	rVB4	76067	221498	2.07%	0.114%
15	10.856	1075	1080	1084	rBV	345970	729618	6.80%	0.377%
16	10.945	1084	1089	1091	rBV3	398620	1148221	10.71%	0.593%
17	11.023	1094	1097	1100	rVB	1198733	2020087	18.84%	1.043%
18	11.082	1100	1103	1109	rVB	877183	1620190	15.11%	0.837%
19	11.181	1109	1113	1118	rBV2	329355	693798	6.47%	0.358%
20	11.260	1118	1121	1125	rBV2	140521	277696	2.59%	0.143%
21	11.338	1125	1129	1133	rBV3	2202501	5339343	49.80%	2.757%
22	11.437	1136	1139	1143	rVB	823654	1453684	13.56%	0.751%
23	11.506	1143	1146	1147	rBV	229227	393003	3.67%	0.203%
24	11.535	1147	1149	1150	rBV3	719567	962550	8.98%	0.497%
25	11.574	1150	1153	1156	rVB2	2516717	3885138	36.23%	2.006%
26	11.663	1156	1162	1163	rBV2	2192046	5057598	47.17%	2.612%
27	11.752	1168	1171	1175	rVV2	984565	1799420	16.78%	0.929%
28	11.820	1175	1178	1179	rVV2	789116	1483545	13.84%	0.766%
29	11.850	1179	1181	1184	rVV	1167900	2048937	19.11%	1.058%
30	11.909	1184	1187	1190	rVV2	1718716	2654829	24.76%	1.371%
31	11.968	1190	1193	1195	rVV2	544224	999048	9.32%	0.516%
32	11.998	1195	1196	1197	rVV	367189	382287	3.57%	0.197%
33	12.027	1197	1199	1200	rVV	586965	936338	8.73%	0.484%
34	12.067	1200	1203	1211	rVB2	2493102	5102164	47.58%	2.635%

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35	12.185	1211	1215	1218	rBV2	1266503	2892181	26.97%	1.494%
36	12.253	1218	1222	1223	rVV3	1377414	3066340	28.60%	1.584%
37	12.293	1223	1226	1228	rVV2	2237590	5122564	47.77%	2.645%
38	12.332	1228	1230	1233	rVV2	1982907	3982177	37.14%	2.056%
39	12.391	1233	1236	1238	rVV3	992913	1998557	18.64%	1.032%
40	12.431	1238	1240	1242	rVV2	918271	1554436	14.50%	0.803%
41	12.490	1242	1246	1249	rVV2	1802999	4777107	44.55%	2.467%
42	12.539	1249	1251	1253	rVV2	1667797	2968261	27.68%	1.533%
43	12.578	1253	1255	1259	rVV	4334270	8561379	79.84%	4.421%
44	12.637	1259	1261	1266	rVV3	1966276	4129282	38.51%	2.132%
45	12.716	1266	1269	1271	rVV2	1820501	4247327	39.61%	2.193%
46	12.755	1271	1273	1276	rVV3	2897656	5641732	52.62%	2.913%
47	12.814	1276	1279	1281	rVV3	2733141	5667015	52.85%	2.927%
48	12.903	1285	1288	1290	rVV2	1977387	4224939	39.40%	2.182%
49	12.942	1290	1292	1293	rVV	791829	1218533	11.36%	0.629%
50	12.972	1293	1295	1296	rVV2	941634	1464459	13.66%	0.756%
51	13.011	1296	1299	1302	rVV3	1477215	3725785	34.75%	1.924%
52	13.060	1302	1304	1305	rVV	848866	1271172	11.86%	0.656%
53	13.110	1305	1309	1313	rVV3	1049812	3637091	33.92%	1.878%
54	13.179	1313	1316	1320	rVV3	2871528	6738332	62.84%	3.480%
55	13.277	1324	1326	1328	rVV	2193185	4152370	38.73%	2.144%
56	13.326	1328	1331	1333	rVV2	2406466	4944170	46.11%	2.553%
57	13.425	1333	1341	1344	rVV4	2748674	10722531	100.00%	5.537%
58	13.474	1344	1346	1348	rVV2	1348201	2205549	20.57%	1.139%
59	13.513	1348	1350	1354	rVV	2825180	4957069	46.23%	2.560%
60	13.572	1354	1356	1357	rVV2	1080865	1762558	16.44%	0.910%
61	13.602	1357	1359	1361	rVV2	1319078	2482772	23.15%	1.282%
62	13.661	1363	1365	1367	rVV2	1743925	2805267	26.16%	1.449%
63	13.710	1367	1370	1374	rVV2	2101520	4882804	45.54%	2.522%
64	13.769	1374	1376	1377	rVV	670411	939530	8.76%	0.485%
65	13.808	1377	1380	1383	rVV2	1763844	3114327	29.04%	1.608%
66	13.858	1383	1385	1387	rVV2	683950	1375169	12.83%	0.710%
67	13.907	1387	1390	1393	rVV3	718630	1824742	17.02%	0.942%
68	13.976	1395	1397	1400	rVV2	733122	1298725	12.11%	0.671%
69	14.054	1402	1405	1406	rVV2	719924	1329609	12.40%	0.687%
70	14.074	1406	1407	1410	rVV2	834722	1281634	11.95%	0.662%
71	14.143	1411	1414	1416	rVV	1261799	1968249	18.36%	1.016%

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72	14.192	1416	1419	1423	rVB2	675986	1457394	13.59%	0.753%
73	14.251	1423	1425	1428	rVB3	203356	380563	3.55%	0.197%
74	14.300	1428	1430	1434	rBV4	174910	336643	3.14%	0.174%
75	14.379	1436	1438	1440	rVB3	272524	329438	3.07%	0.170%
76	14.428	1440	1443	1444	rBV2	371094	582036	5.43%	0.301%
77	14.537	1452	1454	1457	rVB	832515	1164322	10.86%	0.601%
78	14.605	1457	1461	1466	rVB5	350220	939166	8.76%	0.485%
79	14.674	1466	1468	1471	rBV	135298	220953	2.06%	0.114%
80	14.743	1474	1475	1477	rBV2	145933	196892	1.84%	0.102%
81	14.783	1477	1479	1482	rVV3	342969	621454	5.80%	0.321%
82	14.832	1482	1484	1490	rVV3	273612	572948	5.34%	0.296%
83	14.940	1493	1495	1498	rBV3	159591	280412	2.62%	0.145%
84	15.078	1507	1509	1513	rVB4	172047	270116	2.52%	0.139%
85	15.127	1513	1514	1516	rVB2	118470	123608	1.15%	0.064%
86	15.196	1519	1521	1524	rBV	213473	276407	2.58%	0.143%
87	15.353	1535	1537	1541	rVB4	73371	150993	1.41%	0.078%
88	15.530	1552	1555	1558	rVB3	52631	112138	1.05%	0.058%

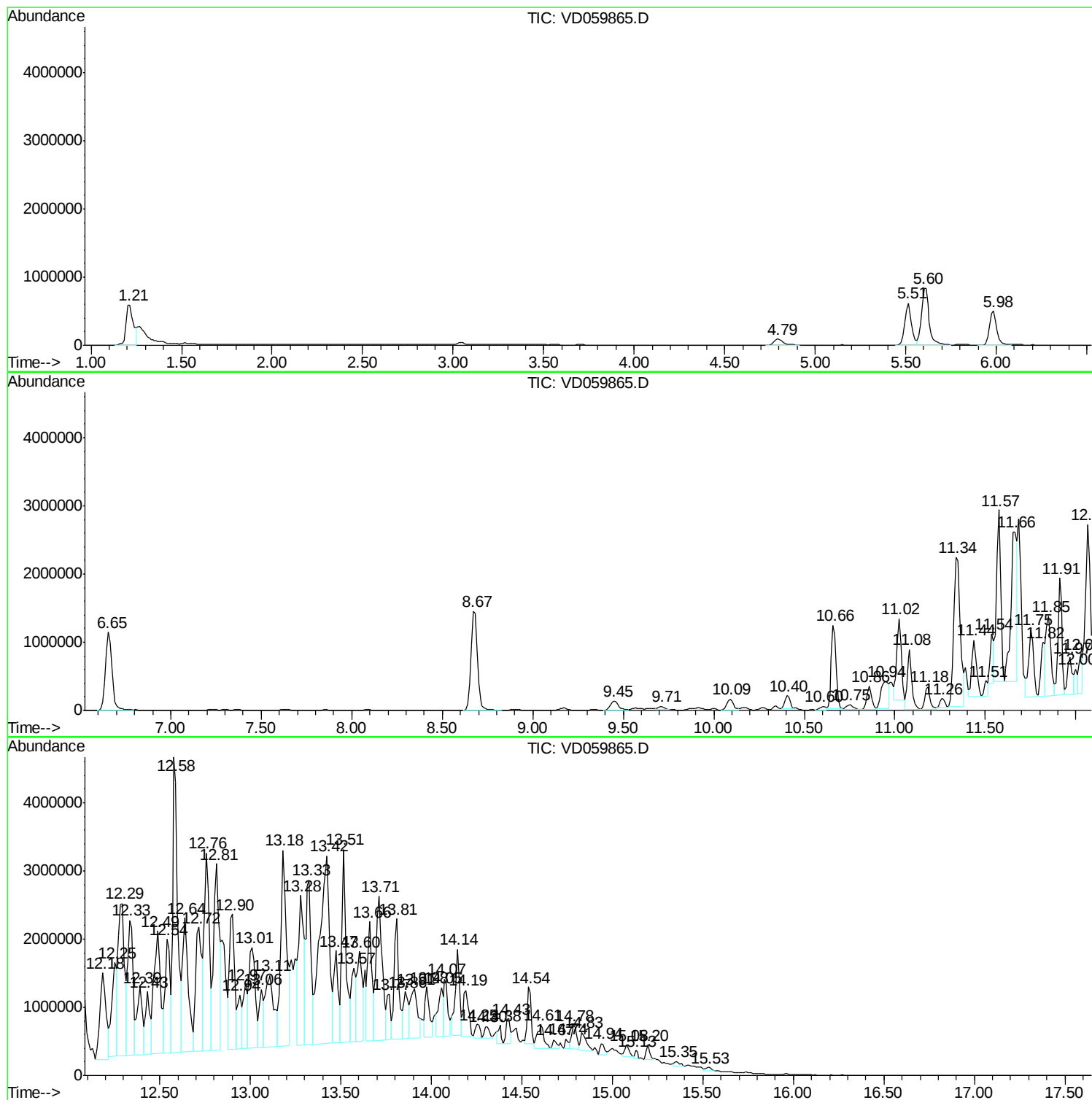
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Quant Title : SW846 8260

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



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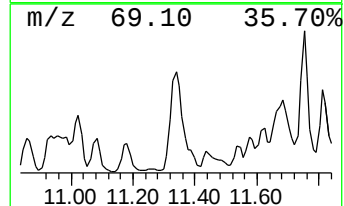
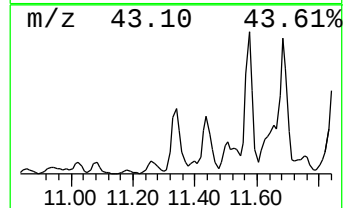
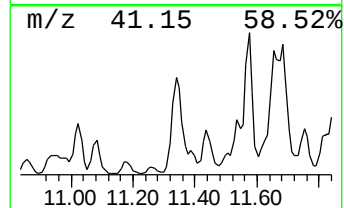
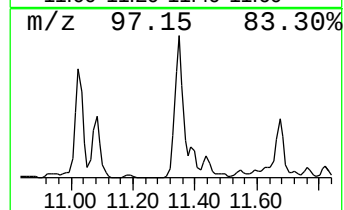
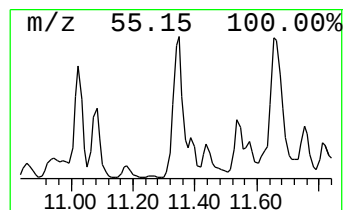
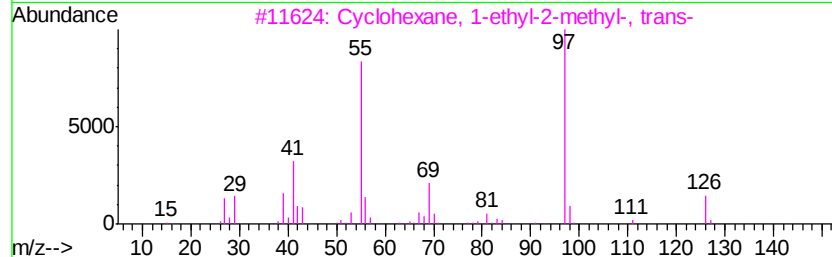
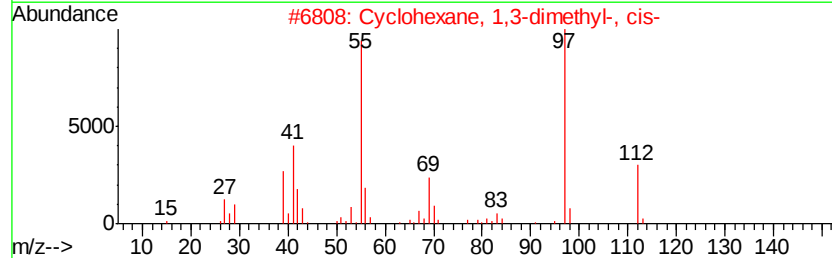
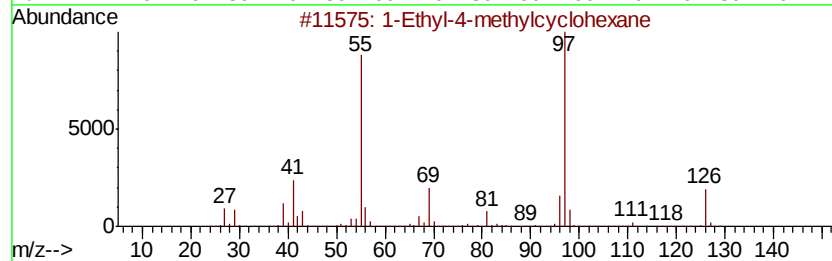
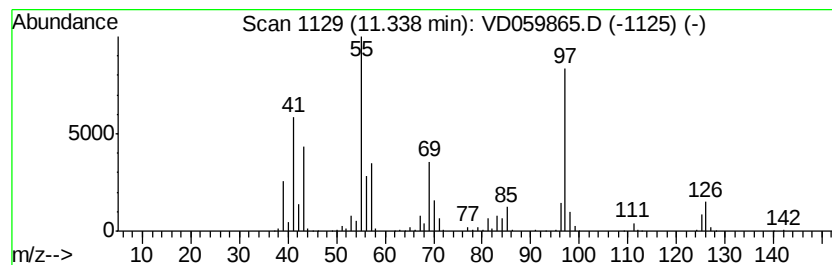
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260

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

Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	114.84 ug/l	5339340	Chlorobenzene-d5	10.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	68
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	62



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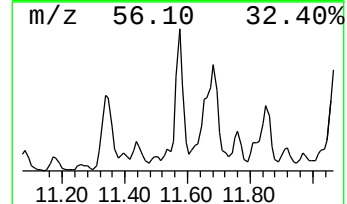
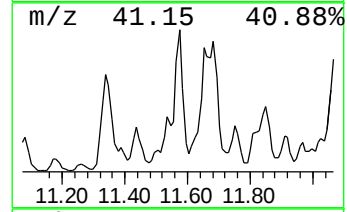
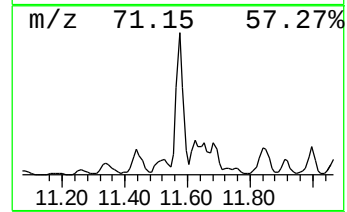
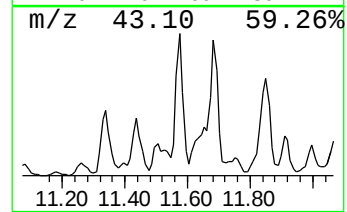
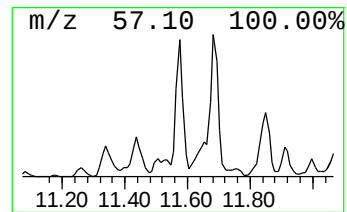
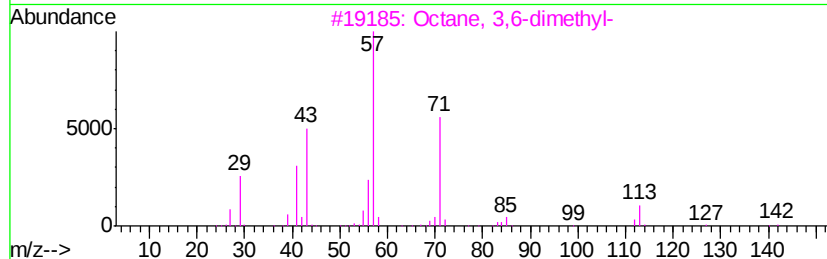
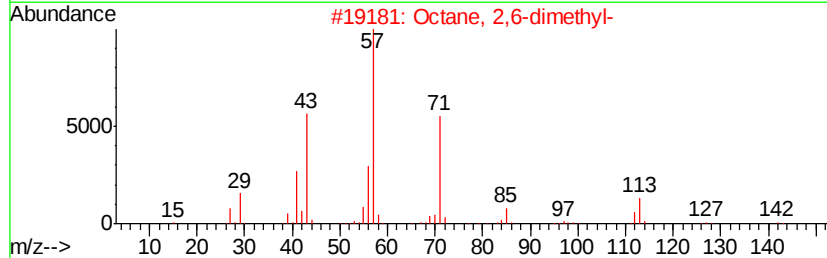
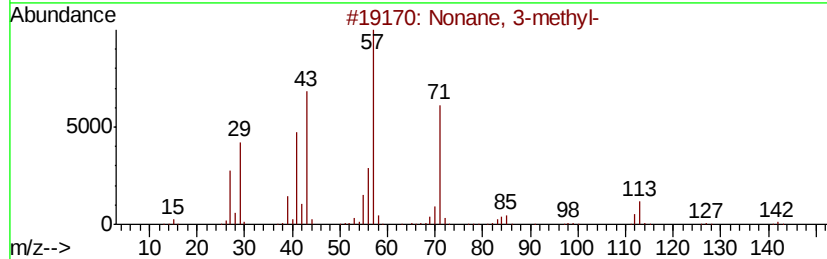
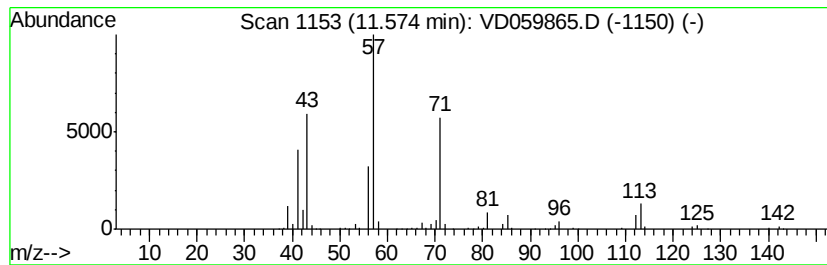
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.57	83.56 ug/l	3885140	Chlorobenzene-d5	10.66	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59



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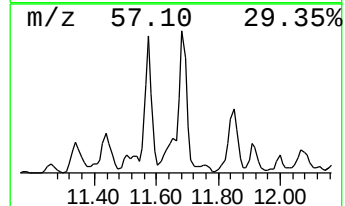
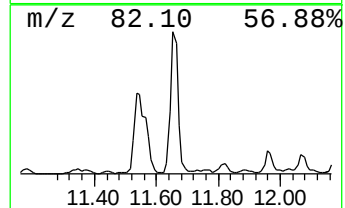
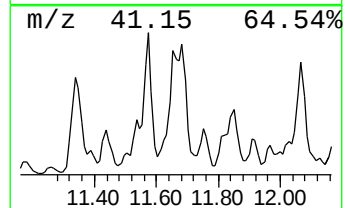
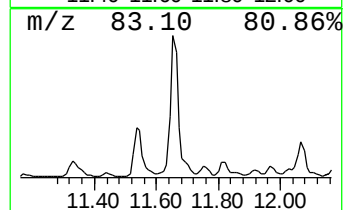
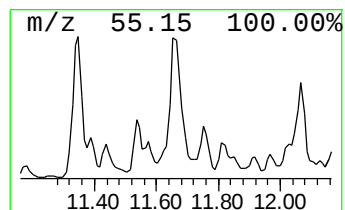
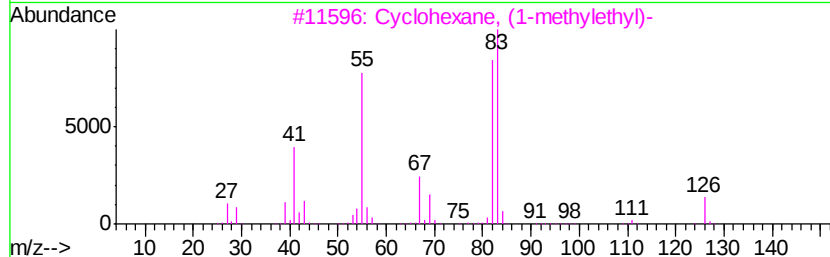
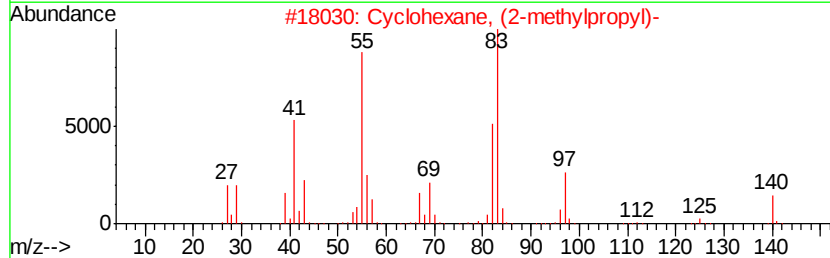
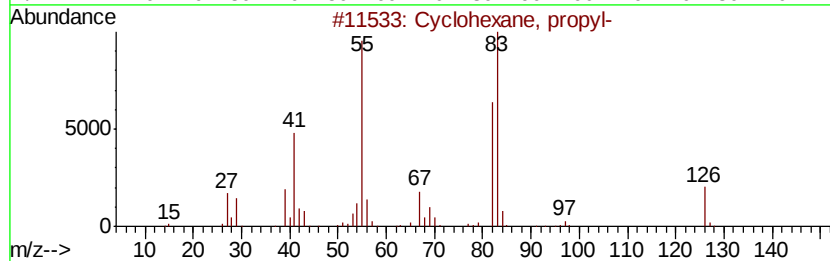
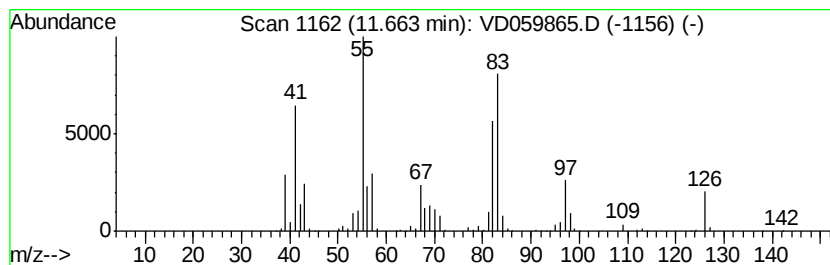
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.66	108.78 ug/l	5057600	Chlorobenzene-d5	10.66		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	53
5		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43



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Acq On : 21 Aug 2018 19:40
Operator : JC/SY
Sample : J4559-04
Misc : 5.09g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-75-048

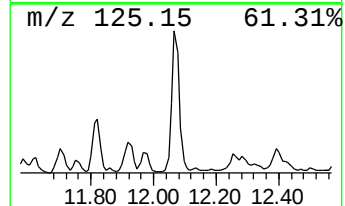
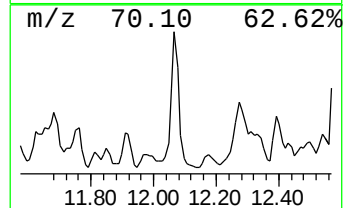
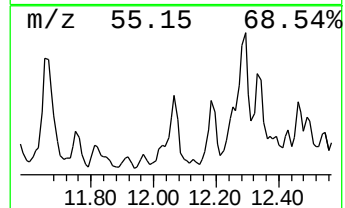
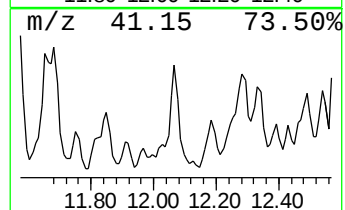
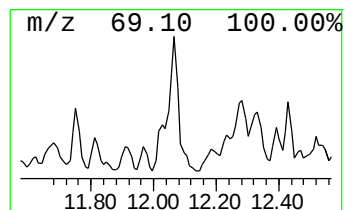
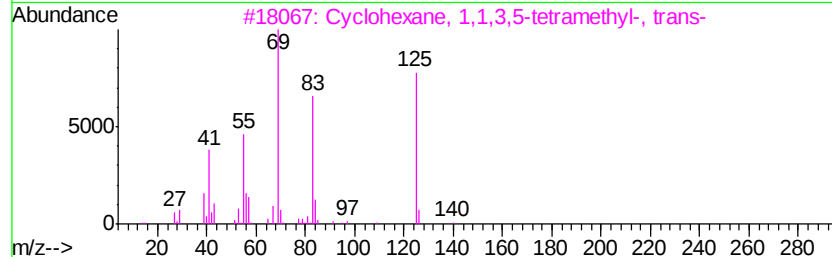
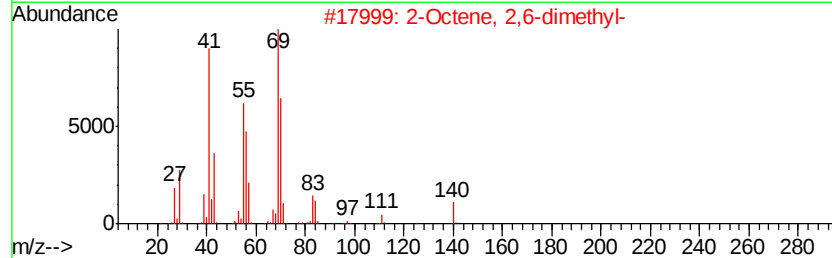
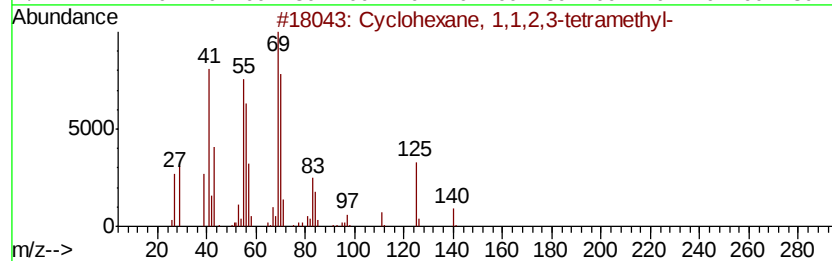
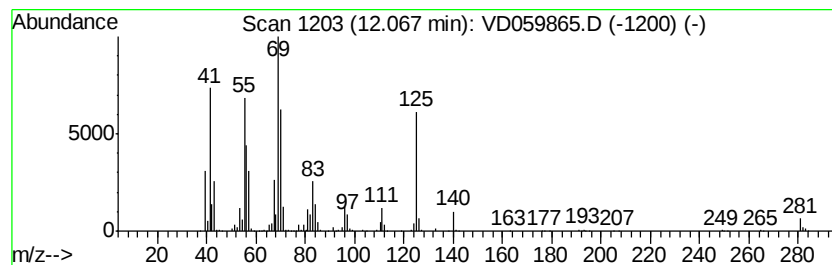
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Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	60.38 ug/l	5102160	1,4-Dichlorobenzene-d4	12.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	87
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	70
3		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50
4		1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	49
5		1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082118\
Data File : VD059865.D
Acq On : 21 Aug 2018 19:40
Operator : JC/SY
Sample : J4559-04
Misc : 5.09g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-75-048

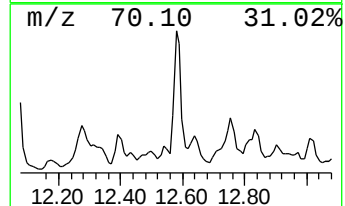
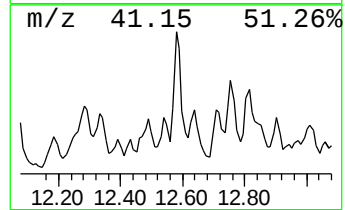
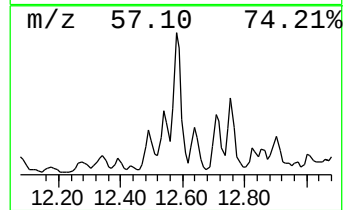
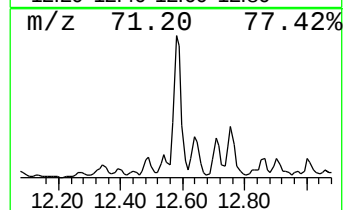
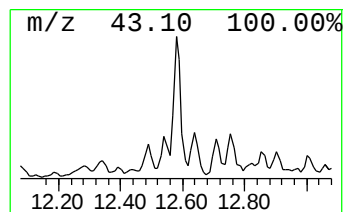
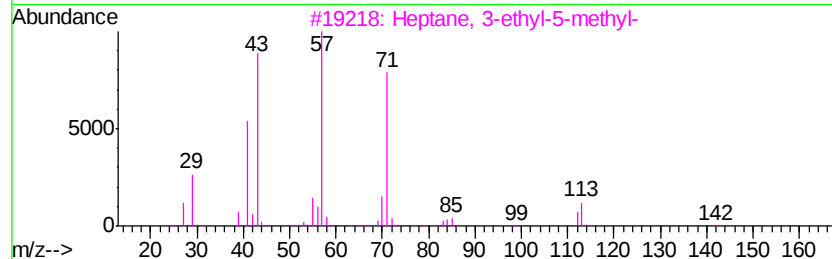
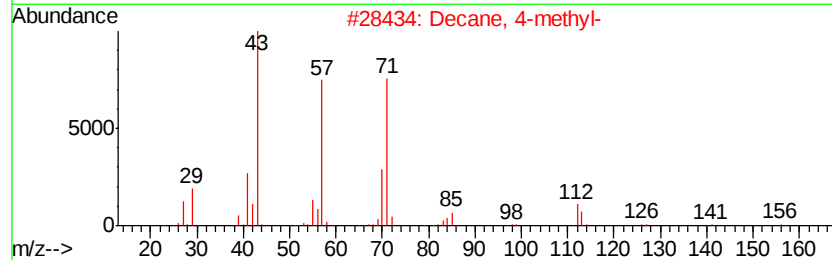
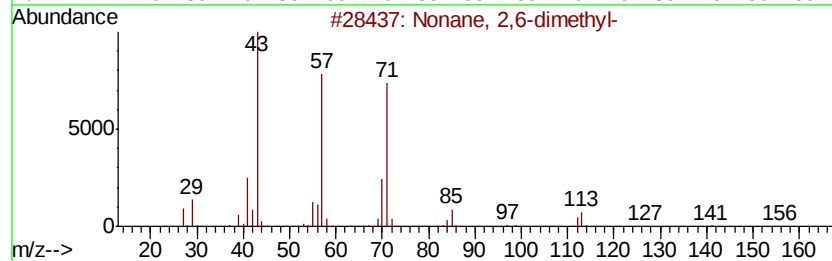
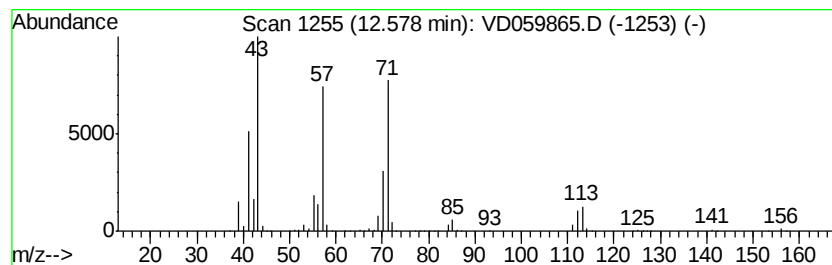
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Quant Title : SW846 8260

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

Peak Number 6 Nonane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	101.32 ug/l	8561380	1,4-Dichlorobenzene-d4	12.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	91
2		Decane, 4-methyl-	156	C11H24	002847-72-5	91
3		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	78
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
5		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082118\
Data File : VD059865.D
Acq On : 21 Aug 2018 19:40
Operator : JC/SY
Sample : J4559-04
Misc : 5.09g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

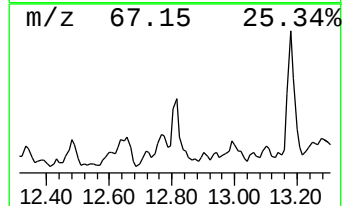
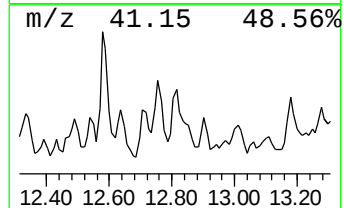
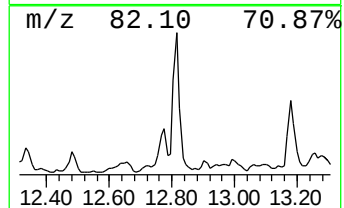
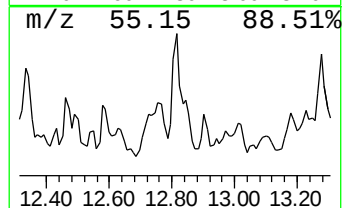
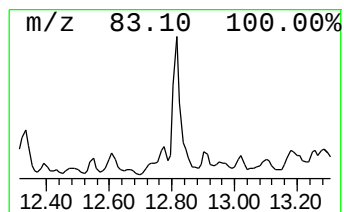
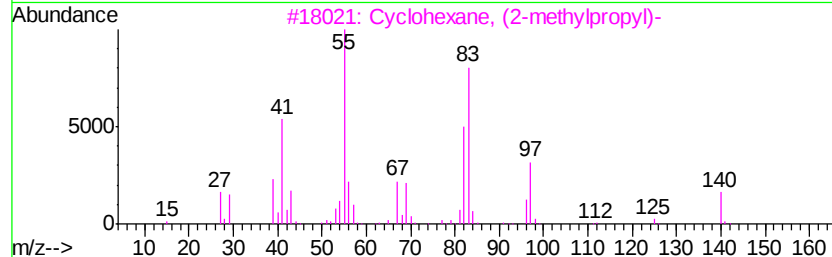
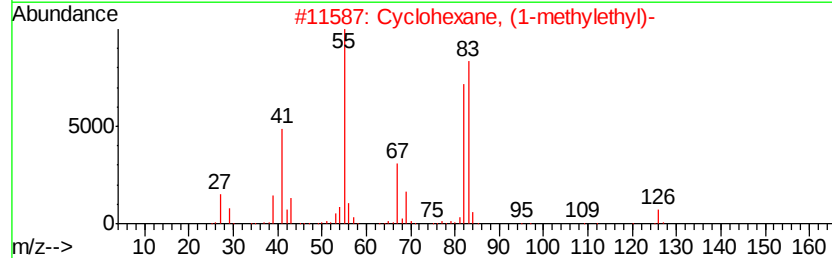
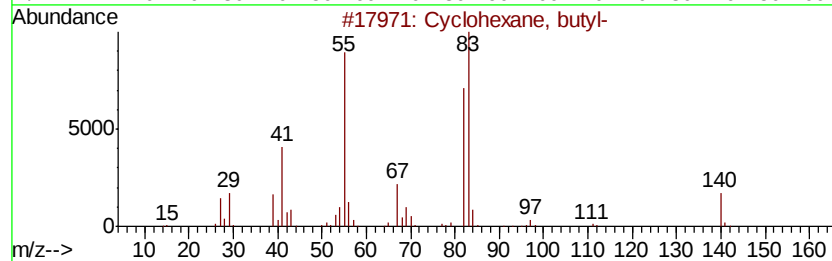
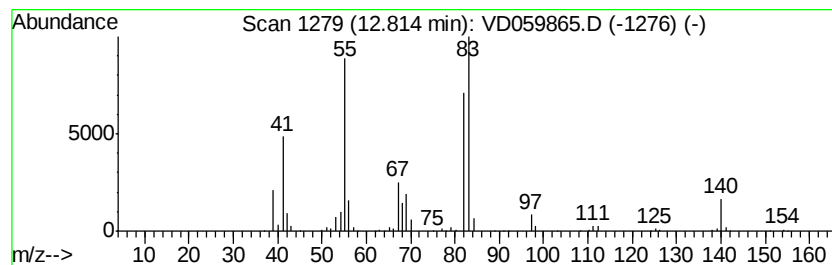
Instrument :
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ClientSampleId :
RA-081718-SSW-75-048

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	67.07 ug/l	5667020	1,4-Dichlorobenzene-d4	12.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, butyl-	140 C10H20	001678-93-9 91
2		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 80
3		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 80
4		Cyclohexane, undecyl-	238 C17H34	054105-66-7 72
5		Cyclohexane, ethyl-	112 C8H16	001678-91-7 53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082118\
Data File : VD059865.D
Acq On : 21 Aug 2018 19:40
Operator : JC/SY
Sample : J4559-04
Misc : 5.09g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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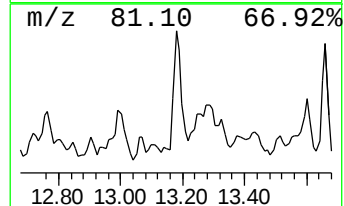
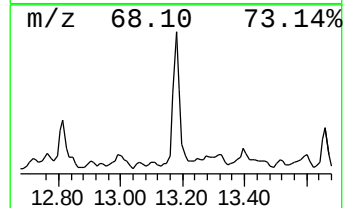
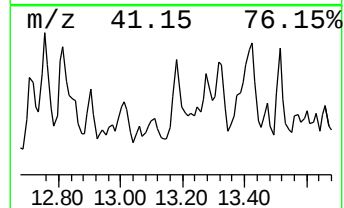
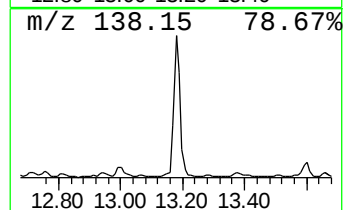
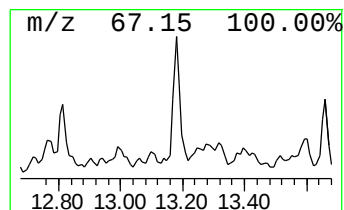
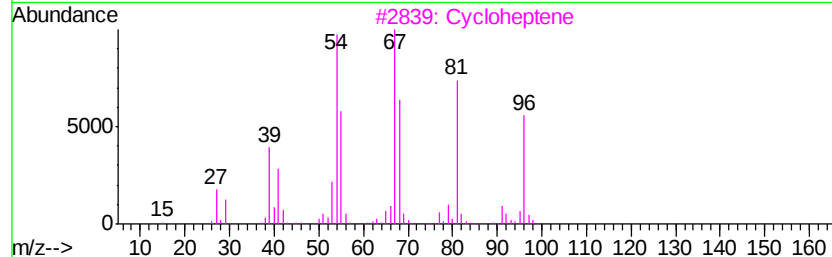
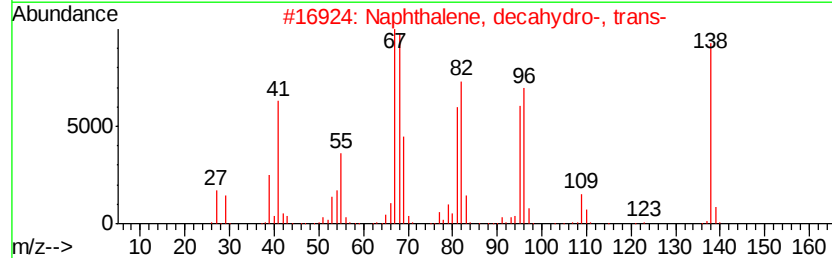
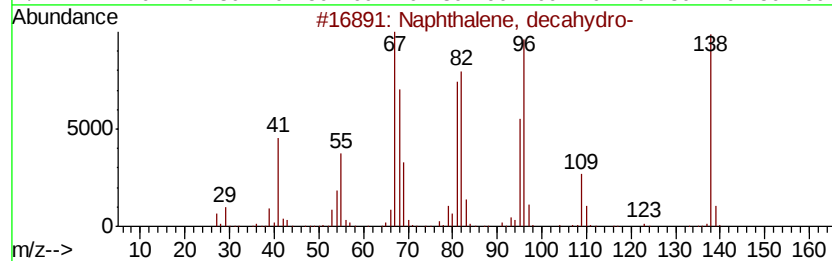
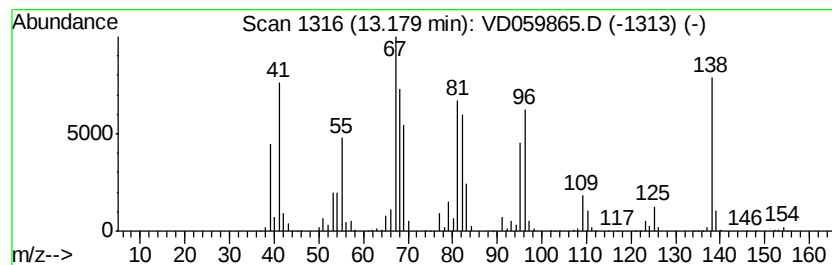
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	79.74 ug/l	6738330	1,4-Dichlorobenzene-d4	12.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3		Cycloheptene	96	C7H12	000628-92-2	86
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81
5		Spiro[4.5]decane	138	C10H18	000176-63-6	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082118\
Data File : VD059865.D
Acq On : 21 Aug 2018 19:40
Operator : JC/SY
Sample : J4559-04
Misc : 5.09g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

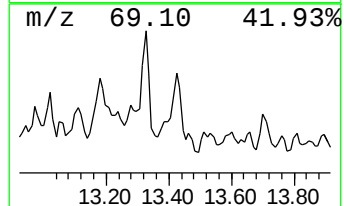
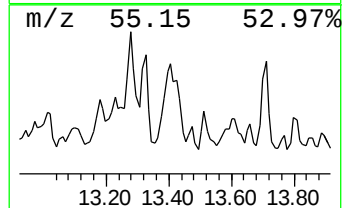
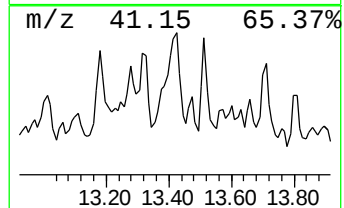
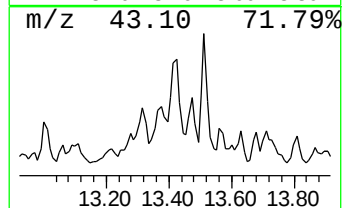
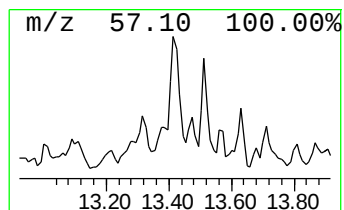
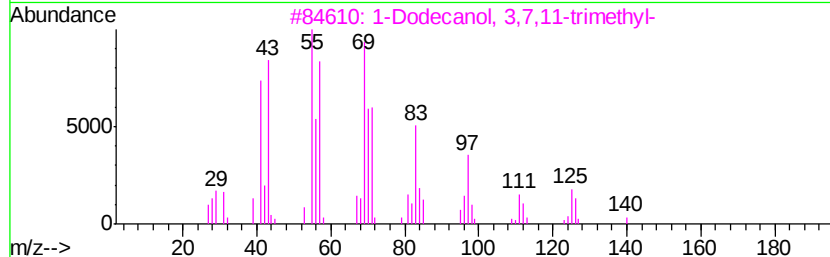
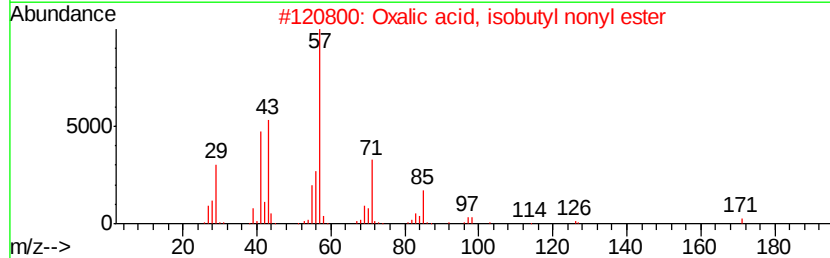
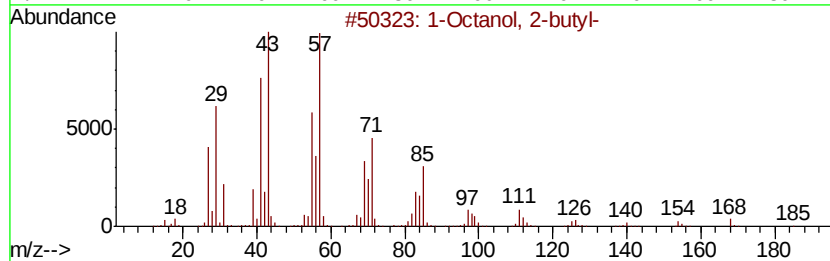
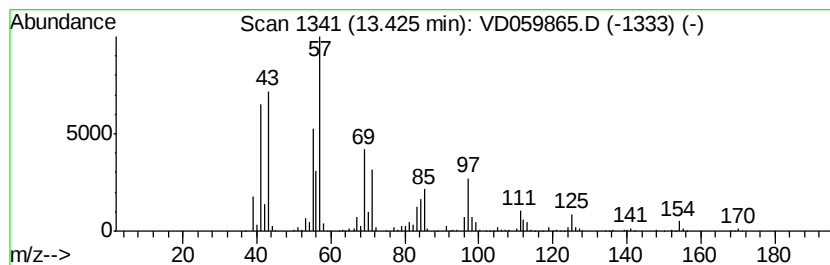
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260

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

Peak Number 9 1-Octanol, 2-butyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	126.90 ug/l	10722500	1,4-Dichlorobenzene-d4	12.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Octanol, 2-butyl-	186 C12H26O	003913-02-8	64
2	Oxalic acid, isobutyl nonyl ester	272 C15H28O4	1000309-37-4	52
3	1-Dodecanol, 3,7,11-trimethyl-	228 C15H32O	006750-34-1	50
4	1-Hexene-3,5-dione	112 C6H8O2	052204-69-0	41
5	Undecane, 5-methyl-	170 C12H26	001632-70-8	38



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Misc : 5.09g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

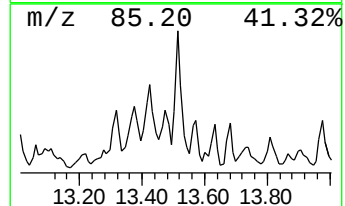
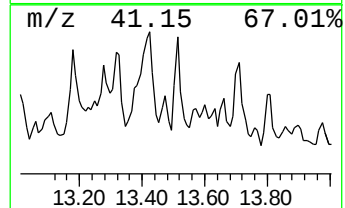
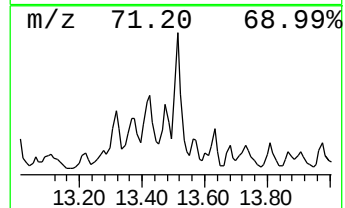
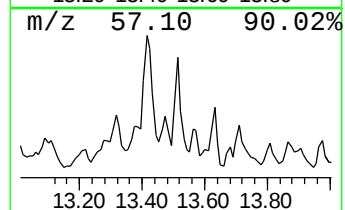
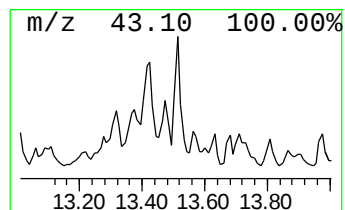
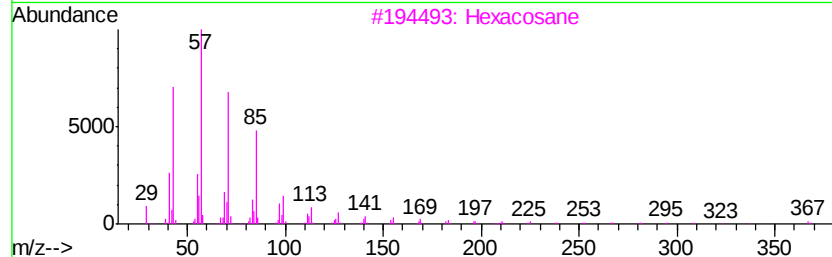
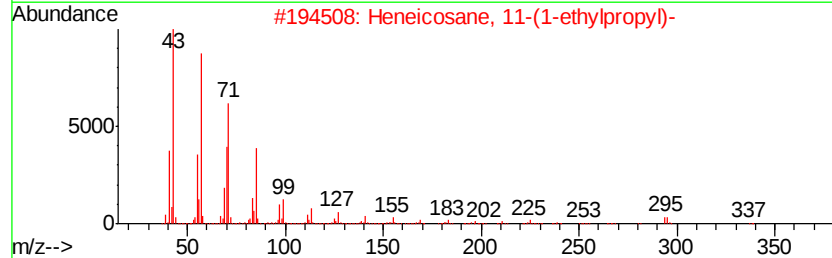
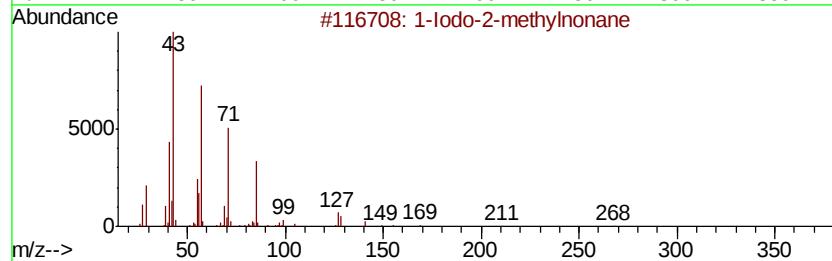
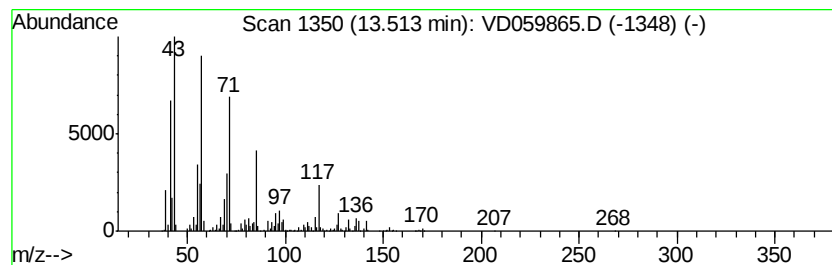
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ClientSampleId :
RA-081718-SSW-75-048

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260

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

Peak Number 10 1-Iodo-2-methylnonane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	58.66 ug/l	4957070	1,4-Dichlorobenzene-d4	12.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Iodo-2-methylnonane	268 C10H21I	1000101-47-9	86
2	Heneicosane, 11-(1-ethylpropyl)-	366 C26H54	055282-11-6	72
3	Hexacosane	366 C26H54	000630-01-3	58
4	Dodecane, 4-methyl-	184 C13H28	006117-97-1	58
5	Decane, 3,7-dimethyl-	170 C12H26	017312-54-8	58



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082118\
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Misc : 5.09g/5ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-SSW-75-048

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.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
1-Ethyl-4-methylc...	11.34	114.8	ug/l	5339340	3	10.66	2324730	50.0
Nonane, 3-methyl-	11.57	83.6	ug/l	3885140	3	10.66	2324730	50.0
Cyclohexane, propyl-	11.66	108.8	ug/l	5057600	3	10.66	2324730	50.0
Cyclohexane, 1,1,...	12.07	60.4	ug/l	5102160	4	12.89	4224940	50.0
Cyclohexane, 1-me...	12.29	60.6	ug/l	5122560	4	12.89	4224940	50.0
Nonane, 2,6-dimet...	12.58	101.3	ug/l	8561380	4	12.89	4224940	50.0
Cyclohexane, butyl-	12.81	67.1	ug/l	5667020	4	12.89	4224940	50.0
Naphthalene, deca...	13.18	79.7	ug/l	6738330	4	12.89	4224940	50.0
1-Octanol, 2-butyl-	13.42	126.9	ug/l	10722500	4	12.89	4224940	50.0
1-Iodo-2-methylno...	13.51	58.7	ug/l	4957070	4	12.89	4224940	50.0