

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061771.D
 Acq On : 27 Feb 2019 17:33
 Operator : VA/AP
 Sample : K1353-01
 Misc : 9.44g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-022619-A

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_F\METHODS\82F021319S.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	1.061	40	44	50	rBV	13733	23986	4.45%	0.485%
2	1.317	65	70	72	rVV4	2651	6443	1.20%	0.130%
3	1.978	135	137	139	rBV2	3667	5747	1.07%	0.116%
4	2.234	153	163	169	rVB9	7230	36318	6.74%	0.735%
5	2.363	169	176	180	rBV4	8678	28212	5.23%	0.571%
6	3.082	246	249	251	rVB2	4633	7885	1.46%	0.160%
7	4.009	336	343	347	rBV	15272	57243	10.62%	1.158%
8	4.098	347	352	363	rVB2	67096	222713	41.32%	4.506%
9	4.414	377	384	394	rBV5	4421	23158	4.30%	0.469%
10	4.857	421	429	439	rBV2	157978	539030	100.00%	10.906%
11	5.587	496	503	513	rBV	172110	475626	88.24%	9.623%
12	6.682	613	614	616	rBV	21020	13547	2.51%	0.274%
13	6.751	620	621	623	rBV	55099	34833	6.46%	0.705%
14	7.540	694	701	712	rBV	184325	446194	82.78%	9.028%
15	8.200	764	768	772	rBV3	4317	11843	2.20%	0.240%
16	9.758	921	926	936	rVV	200617	454462	84.31%	9.195%
17	9.877	936	938	946	rVB4	3551	10543	1.96%	0.213%
18	10.665	1014	1018	1020	rBV3	5280	13891	2.58%	0.281%
19	11.040	1050	1056	1058	rBV3	2438	6285	1.17%	0.127%
20	11.109	1058	1063	1064	rVV3	4711	7290	1.35%	0.147%
21	11.149	1064	1067	1071	rVB4	3569	8552	1.59%	0.173%
22	11.257	1076	1078	1082	rVB3	6123	10293	1.91%	0.208%
23	11.405	1088	1093	1100	rBV	166768	299230	55.51%	6.054%
24	11.553	1104	1108	1114	rVV3	18462	41297	7.66%	0.836%
25	11.651	1114	1118	1121	rVV	22304	33831	6.28%	0.684%
26	11.711	1121	1124	1128	rVB2	11104	21407	3.97%	0.433%
27	11.819	1131	1135	1138	rVB3	10221	17692	3.28%	0.358%
28	11.947	1143	1148	1149	rBV5	3123	6877	1.28%	0.139%
29	11.987	1149	1152	1153	rBV2	10605	16806	3.12%	0.340%
30	12.144	1164	1168	1171	rBV4	3906	10215	1.90%	0.207%
31	12.194	1171	1173	1177	rVB4	17675	26771	4.97%	0.542%
32	12.283	1179	1182	1184	rVB4	4052	7874	1.46%	0.159%
33	12.381	1188	1192	1193	rBV2	11108	20200	3.75%	0.409%
34	12.411	1193	1195	1197	rVV2	11849	18271	3.39%	0.370%

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35	12.450	1197	1199	1204	rVB3	13076	20851	3.87%	0.422%
36	12.539	1204	1208	1212	rBV	231318	394828	73.25%	7.988%
37	12.598	1212	1214	1218	rVB	28533	41071	7.62%	0.831%
38	12.716	1223	1226	1229	rBV2	15033	35151	6.52%	0.711%
39	12.766	1229	1231	1233	rVV2	16359	27876	5.17%	0.564%
40	12.805	1233	1235	1242	rVB3	69300	132391	24.56%	2.679%
41	12.923	1244	1247	1249	rBV3	8692	15053	2.79%	0.305%
42	13.002	1252	1255	1259	rVB2	17523	31569	5.86%	0.639%
43	13.091	1259	1264	1267	rBV4	17321	52570	9.75%	1.064%
44	13.150	1267	1270	1271	rVV	18043	25291	4.69%	0.512%
45	13.190	1271	1274	1276	rVV3	16080	35005	6.49%	0.708%
46	13.219	1276	1277	1278	rVV	14348	14925	2.77%	0.302%
47	13.278	1281	1283	1287	rVV3	14004	27094	5.03%	0.548%
48	13.338	1287	1289	1291	rVV2	9020	15023	2.79%	0.304%
49	13.377	1291	1293	1295	rVB3	15902	20922	3.88%	0.423%
50	13.417	1295	1297	1301	rBV4	15189	27059	5.02%	0.547%
51	13.486	1301	1304	1306	rVB2	20740	28180	5.23%	0.570%
52	13.535	1306	1309	1310	rBV2	16990	25636	4.76%	0.519%
53	13.574	1310	1313	1315	rVB4	11170	18377	3.41%	0.372%
54	13.702	1323	1326	1329	rVV2	84481	126259	23.42%	2.555%
55	13.752	1329	1331	1334	rVB4	10826	18344	3.40%	0.371%
56	13.801	1334	1336	1338	rBV	10449	14949	2.77%	0.302%
57	13.841	1338	1340	1345	rVV2	64898	117940	21.88%	2.386%
58	13.910	1345	1347	1349	rVB2	16814	25016	4.64%	0.506%
59	13.959	1349	1352	1356	rVB3	28971	42561	7.90%	0.861%
60	14.067	1358	1363	1366	rBV3	12082	30789	5.71%	0.623%
61	14.146	1366	1371	1375	rBV6	31138	72154	13.39%	1.460%
62	14.205	1375	1377	1381	rVB2	25049	37839	7.02%	0.766%
63	14.294	1384	1386	1389	rVB4	13328	15454	2.87%	0.313%
64	14.343	1389	1391	1394	rVB4	4383	8198	1.52%	0.166%
65	14.403	1394	1397	1399	rBV3	17534	28955	5.37%	0.586%
66	14.452	1399	1402	1405	rBV2	62497	80246	14.89%	1.624%
67	14.551	1410	1412	1414	rVV3	11152	17961	3.33%	0.363%
68	14.590	1414	1416	1424	rVV5	14848	38808	7.20%	0.785%
69	14.728	1427	1430	1434	rVB2	37122	59147	10.97%	1.197%
70	14.817	1436	1439	1440	rBV2	6782	12967	2.41%	0.262%
71	14.866	1442	1444	1449	rVV5	15220	42877	7.95%	0.868%

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72	14.945	1449	1452	1454	rVB4	5449	8826	1.64%	0.179%
73	14.984	1454	1456	1460	rBV3	20357	41612	7.72%	0.842%
74	15.113	1465	1469	1471	rBV2	38811	67600	12.54%	1.368%
75	15.162	1471	1474	1477	rVB5	9907	15462	2.87%	0.313%
76	15.270	1483	1485	1488	rBV4	4544	7802	1.45%	0.158%
77	15.339	1488	1492	1494	rVB4	10291	19830	3.68%	0.401%
78	15.438	1500	1502	1504	rBV3	4099	7144	1.33%	0.145%
79	15.635	1520	1522	1527	rVB6	9890	23223	4.31%	0.470%
80	15.704	1527	1529	1532	rBV4	3680	7125	1.32%	0.144%

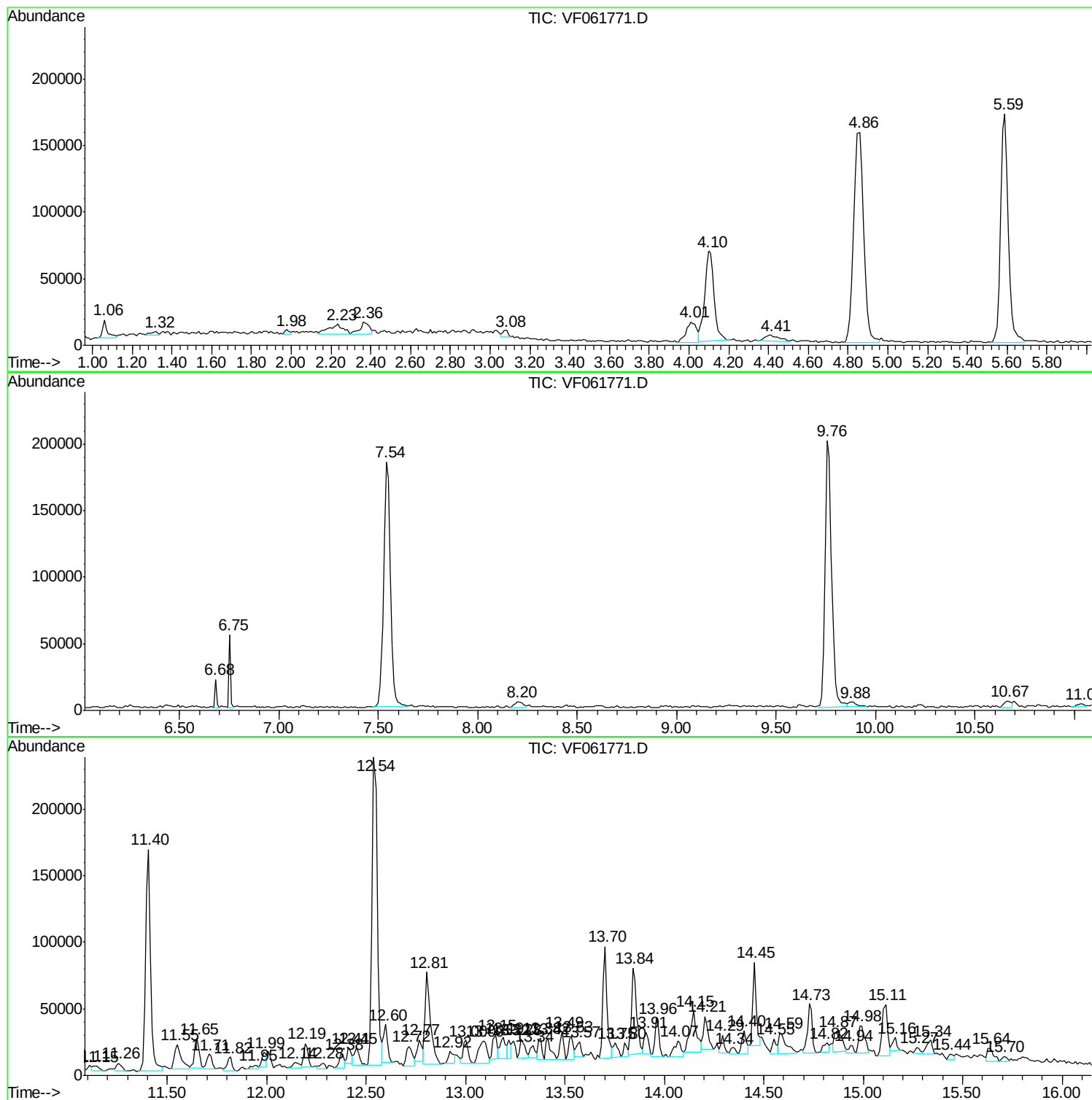
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Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_F\DATA\VF022719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F021319S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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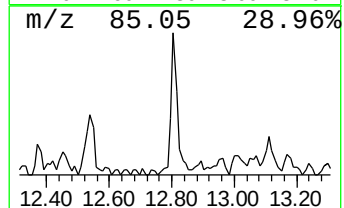
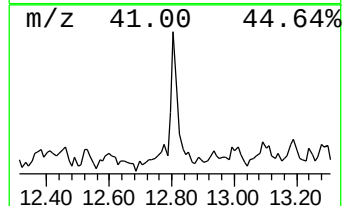
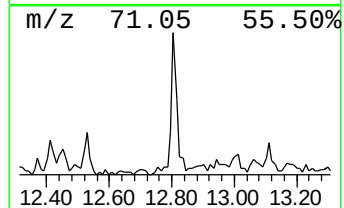
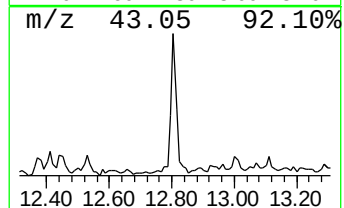
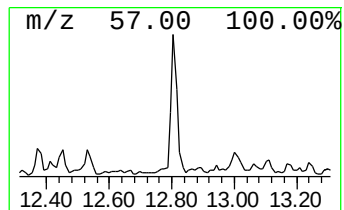
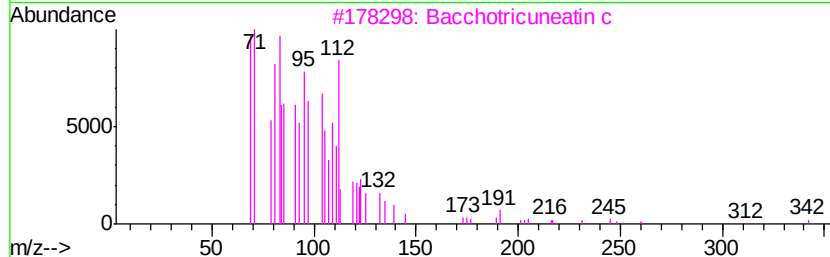
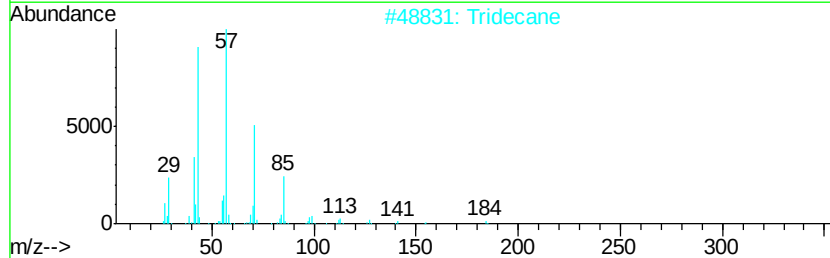
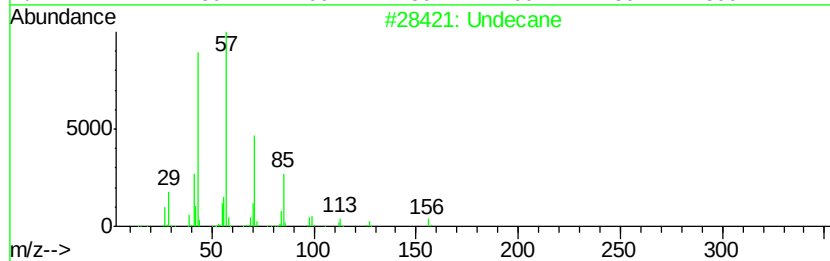
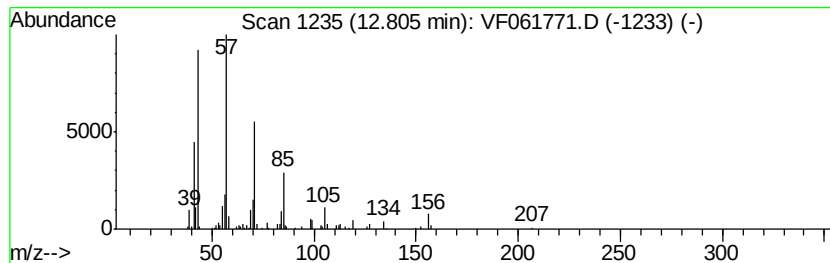
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260

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

Peak Number 1 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	16.77 ug/l	132391	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	81
2	Tridecane	184 C13H28	000629-50-5	72
3	Bacchotricuneatin c	342 C20H22O5	066563-30-2	62
4	Decane, 2,3,7-trimethyl-	184 C13H28	062238-13-5	59
5	Tetradecane	198 C14H30	000629-59-4	59



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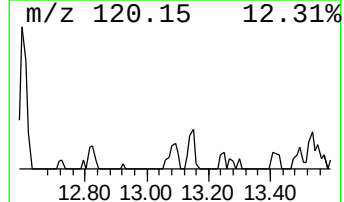
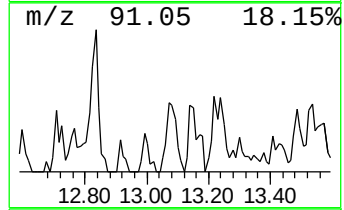
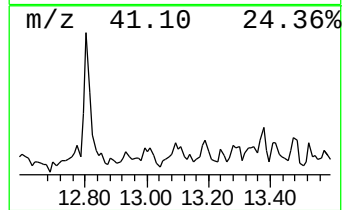
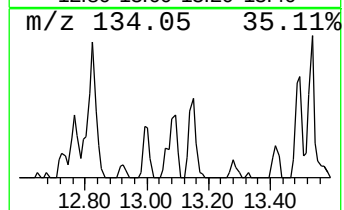
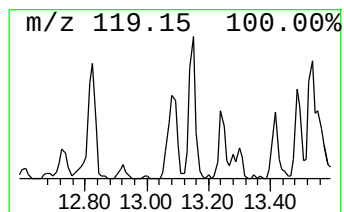
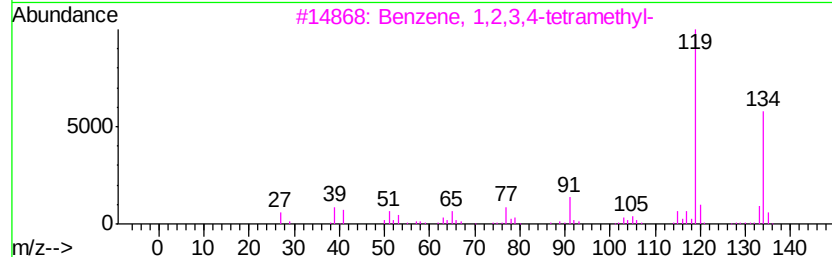
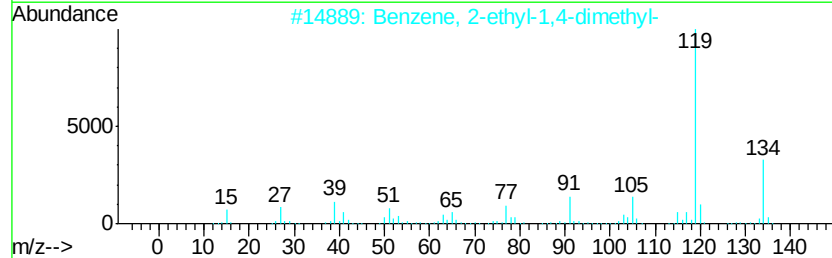
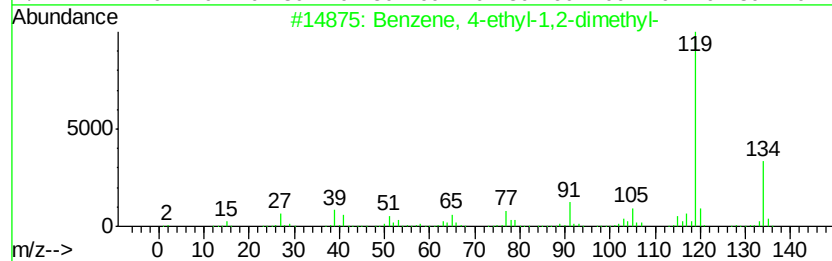
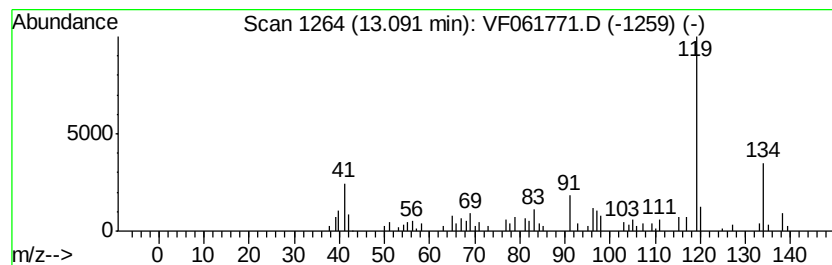
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	6.66 ug/l	52570	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76



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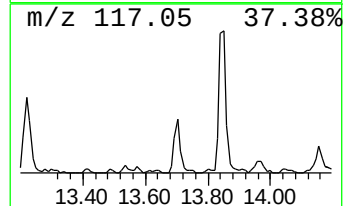
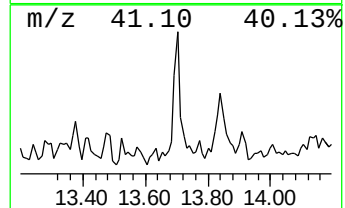
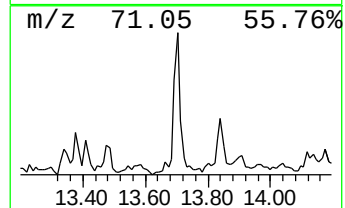
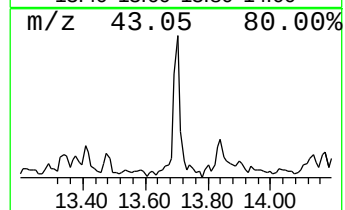
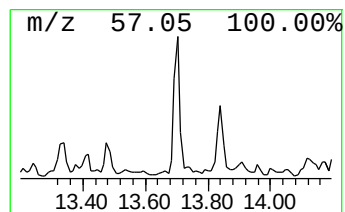
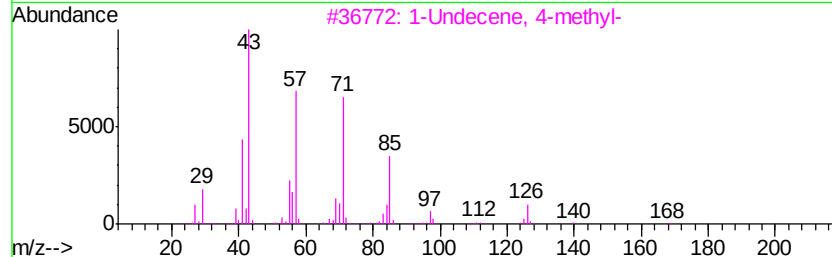
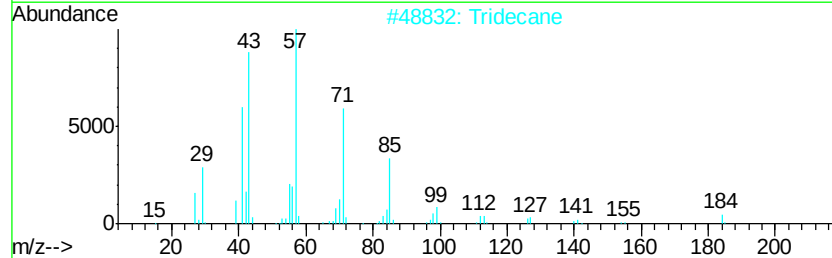
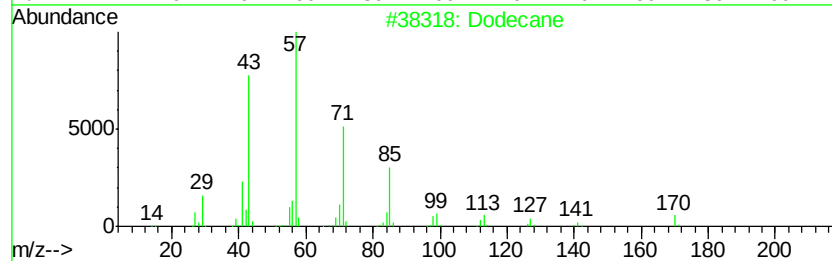
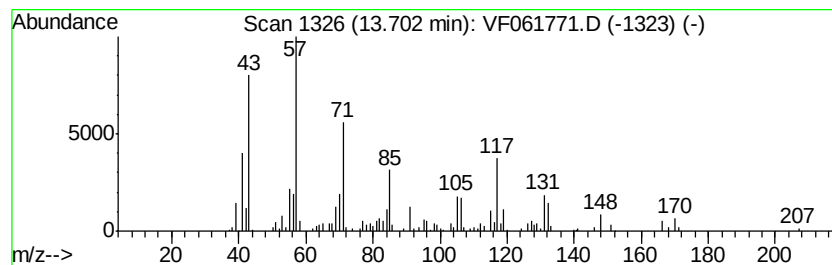
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	15.99 ug/l	126259	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane	170 C12H26	000112-40-3	53
2	Tridecane	184 C13H28	000629-50-5	46
3	1-Undecene, 4-methyl-	168 C12H24	074630-39-0	38
4	Ether, hexyl pentyl	172 C11H24O	032357-83-8	38
5	Sulfurous acid, hexyl octyl ester	278 C14H30O3S	1000309-13-0	38



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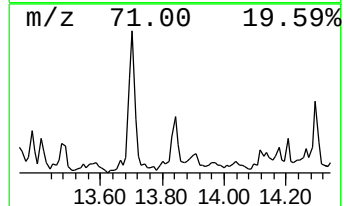
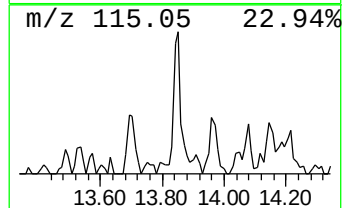
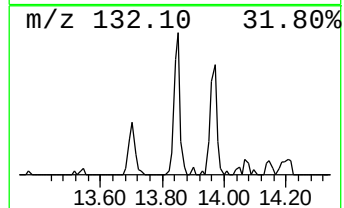
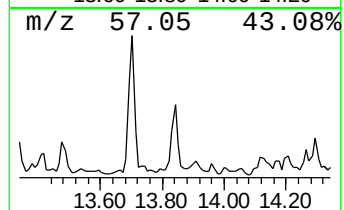
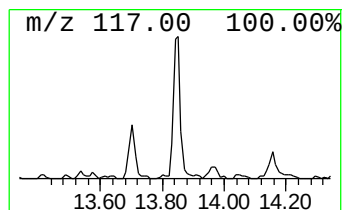
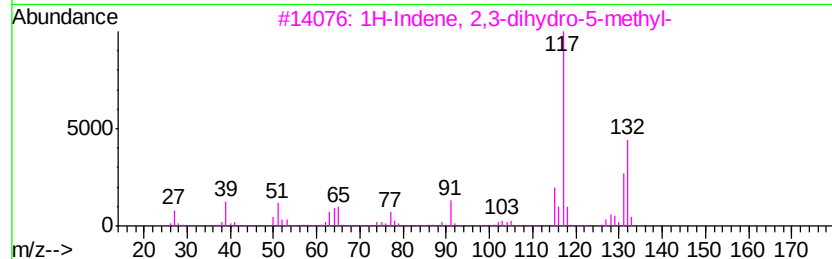
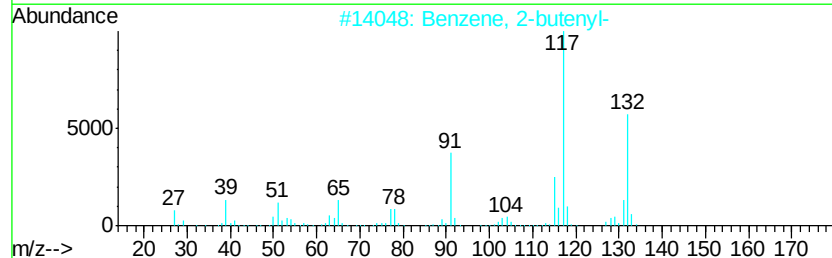
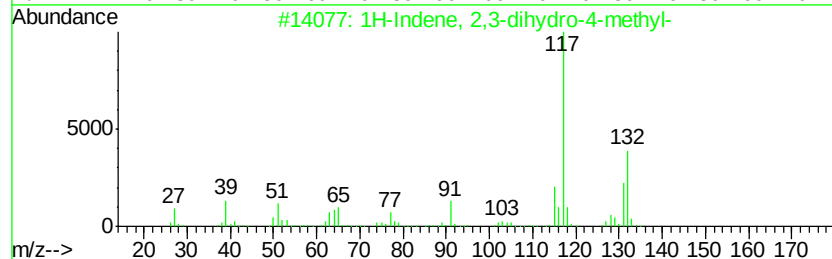
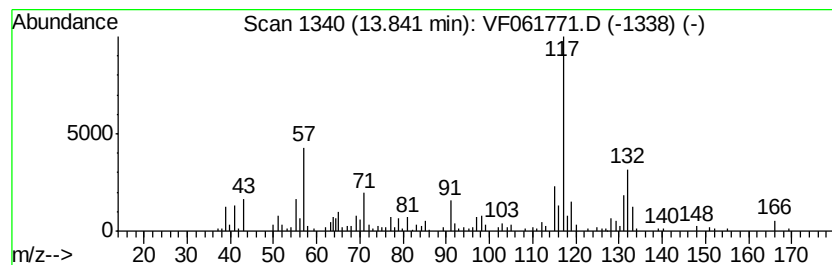
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MSVOA_F
ClientSampleId :
PL-02-022619-A

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Quant Title : SW846 8260

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

Peak Number 4 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	14.94 ug/l	117940	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6	76
2	Benzene, 2-butenyl-	132 C10H12	001560-06-1	70
3	1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1	70
4	Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4	62
5	1H-Indene, 2,3-dihydro-2-methyl-	132 C10H12	000824-63-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061771.D
Acq On : 27 Feb 2019 17:33
Operator : VA/AP
Sample : K1353-01
Misc : 9.44g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

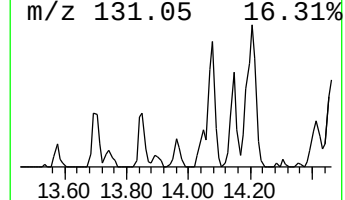
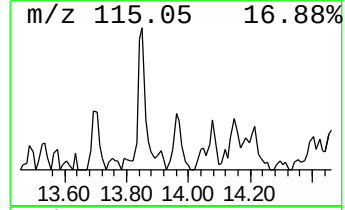
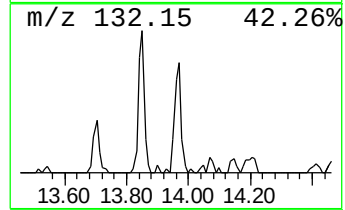
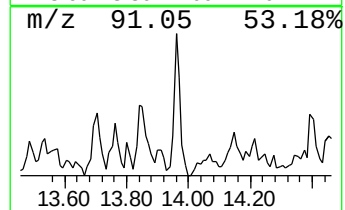
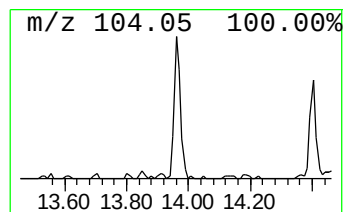
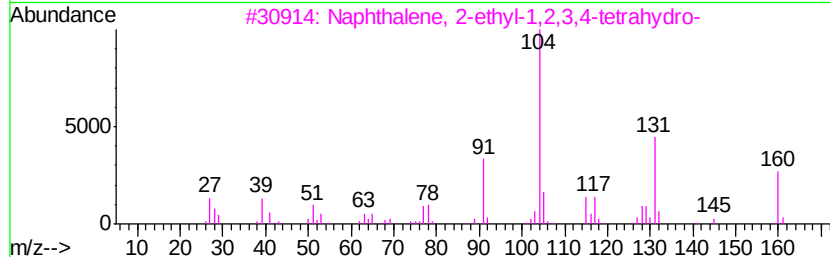
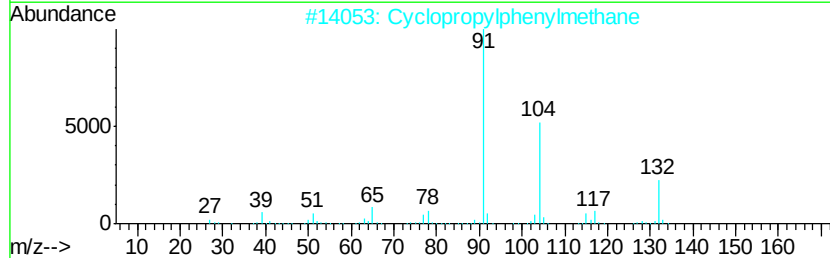
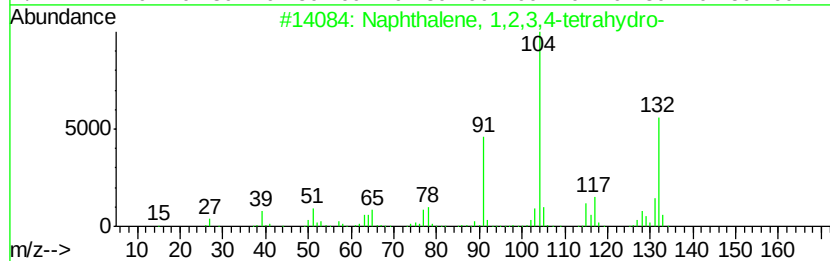
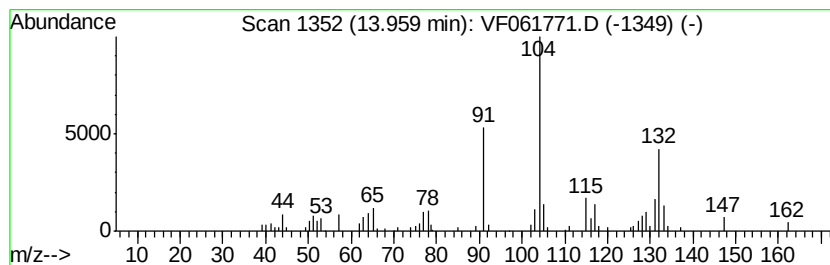
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ClientSampleId :
PL-02-022619-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	5.39 ug/l	42561	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-	132 C10H12	000119-64-2 93
2		Cyclopropylphenylmethane	132 C10H12	001667-00-1 72
3		Naphthalene, 2-ethyl-1,2,3,4-tet...	160 C12H16	032367-54-7 50
4		2-Azetidinone, 4-phenyl-	147 C9H9NO	005661-55-2 43
5		4-Ethylbenzoic acid, 2-phenyleth...	254 C17H18O2	1000293-50-1 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061771.D
Acq On : 27 Feb 2019 17:33
Operator : VA/AP
Sample : K1353-01
Misc : 9.44g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-A

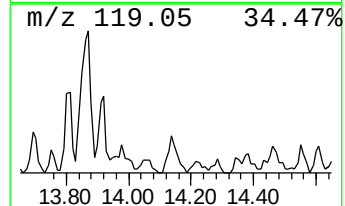
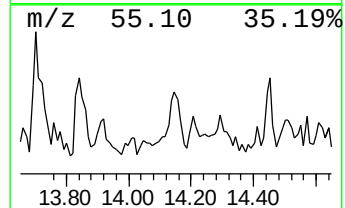
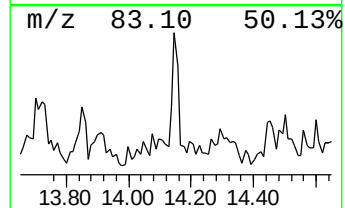
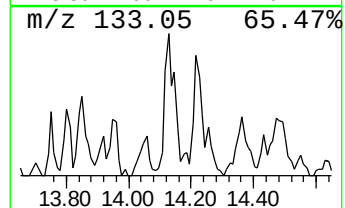
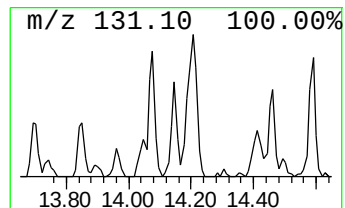
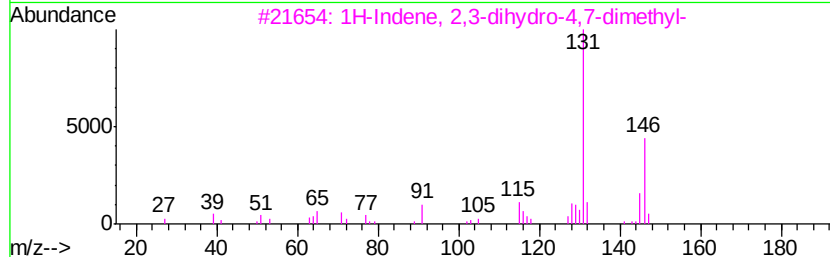
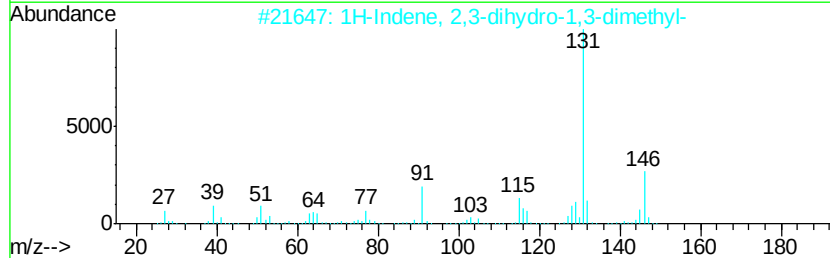
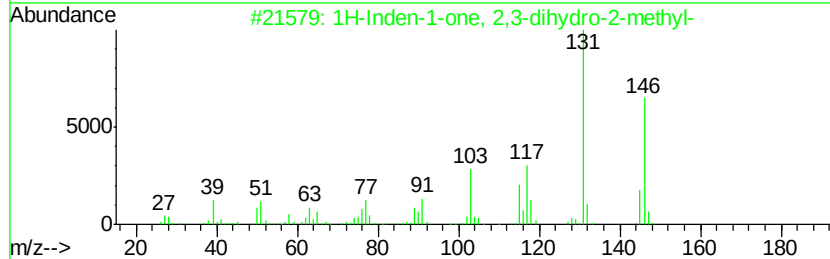
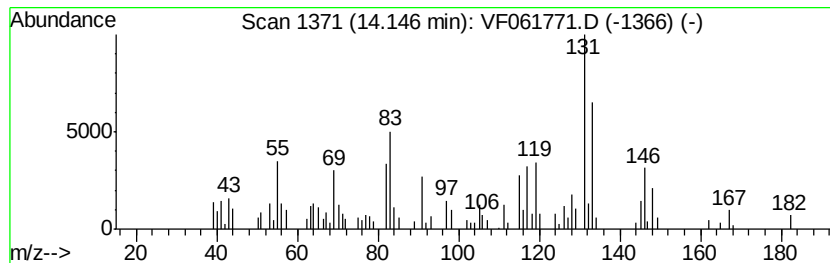
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Quant Title : SW846 8260

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

Peak Number 6 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	9.14 ug/l	72154	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	50
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	46
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061771.D
Acq On : 27 Feb 2019 17:33
Operator : VA/AP
Sample : K1353-01
Misc : 9.44g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-A

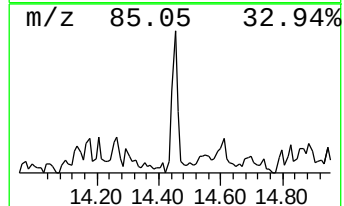
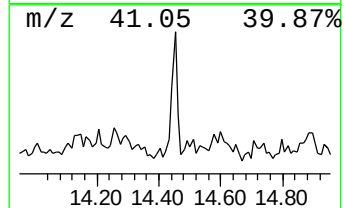
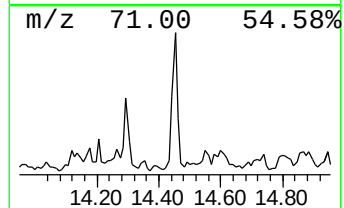
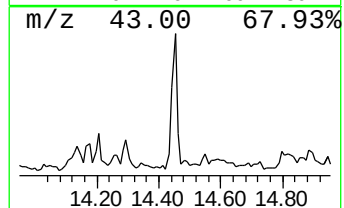
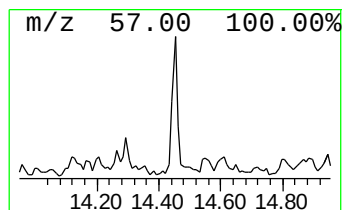
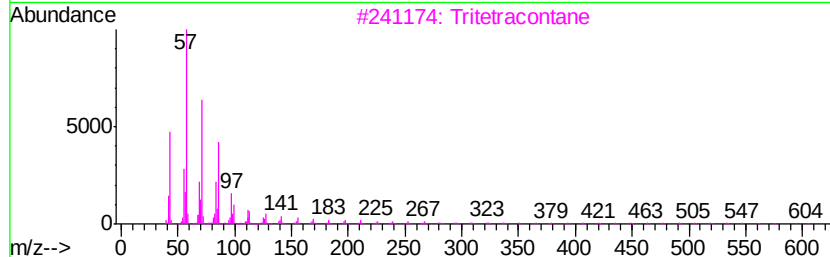
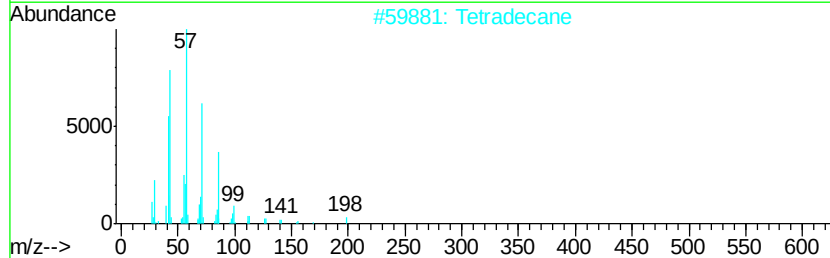
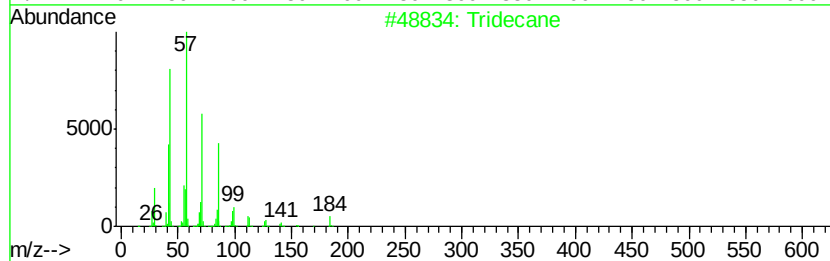
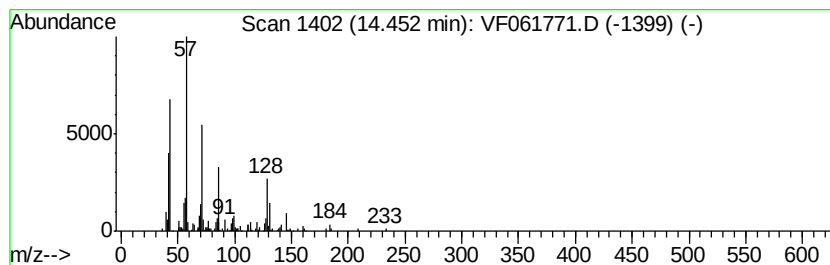
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Quant Title : SW846 8260

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

Peak Number 7 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	10.16 ug/l	80246	1,4-Dichlorobenzene-d4	12.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	96
2	Tetradecane		198	C14H30	000629-59-4	53
3	Tritetracontane		605	C43H88	007098-21-7	52
4	Dodecane		170	C12H26	000112-40-3	52
5	Pentadecane		212	C15H32	000629-62-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061771.D
Acq On : 27 Feb 2019 17:33
Operator : VA/AP
Sample : K1353-01
Misc : 9.44q/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-A

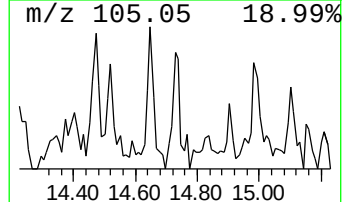
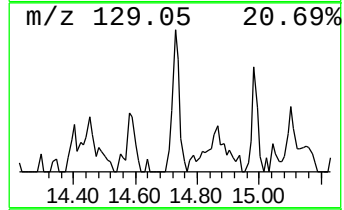
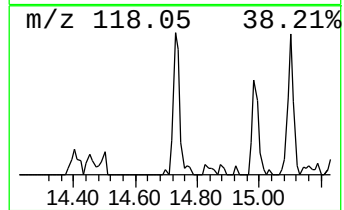
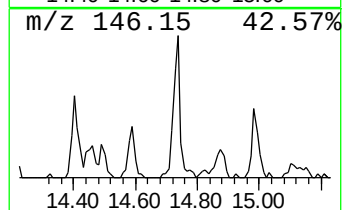
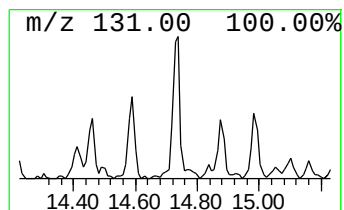
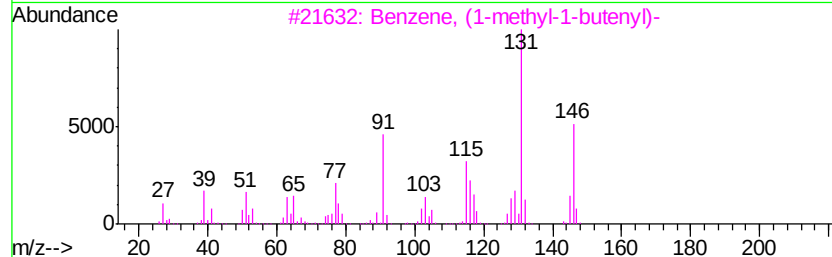
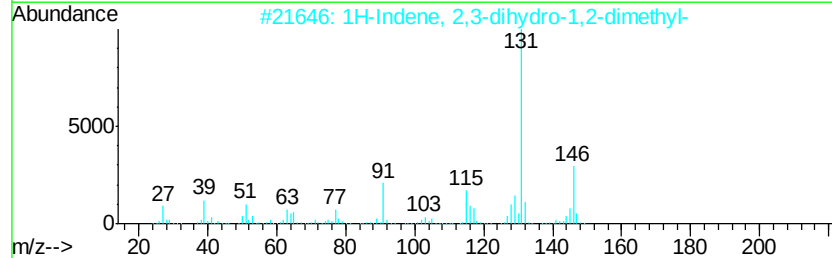
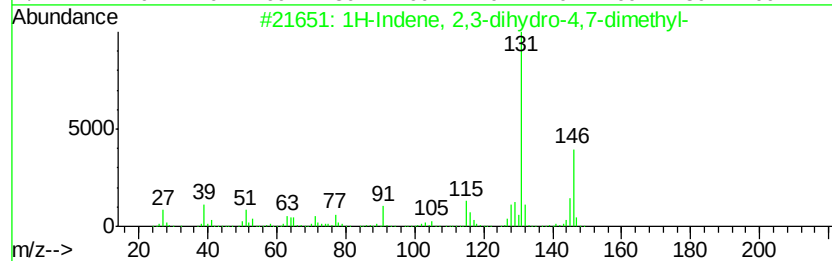
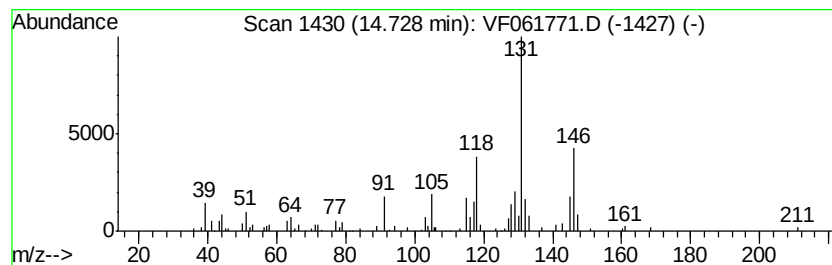
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Quant Title : SW846 8260

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

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	7.49 ug/l	59147	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	92
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	81
4		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	81
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061771.D
Acq On : 27 Feb 2019 17:33
Operator : VA/AP
Sample : K1353-01
Misc : 9.44g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-A

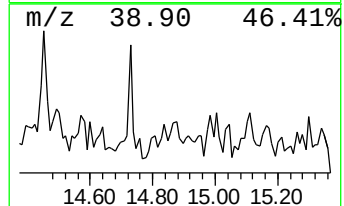
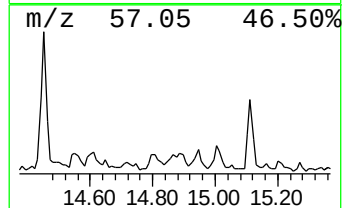
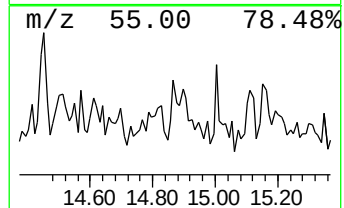
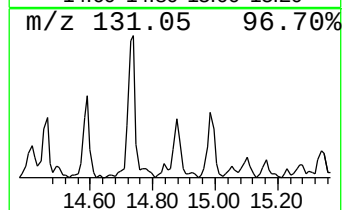
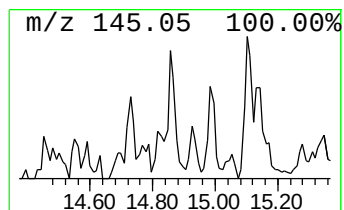
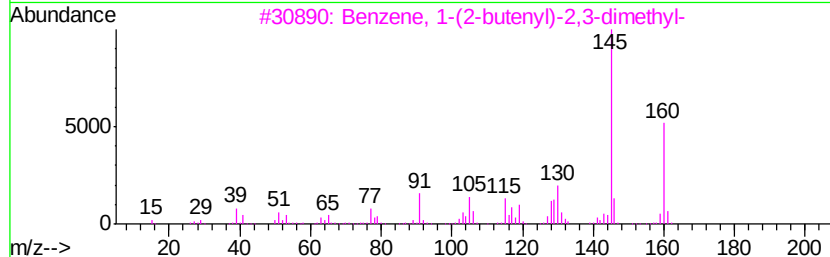
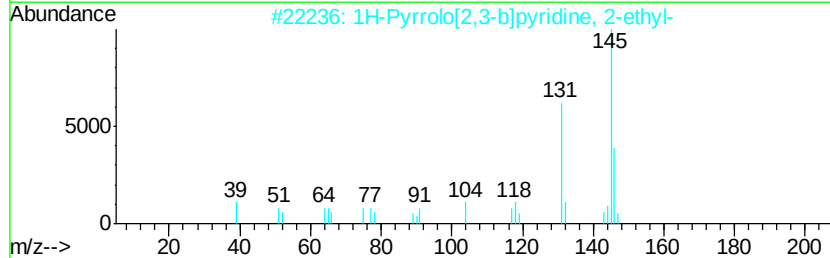
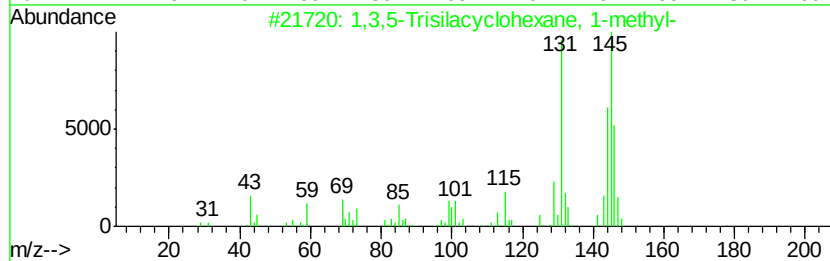
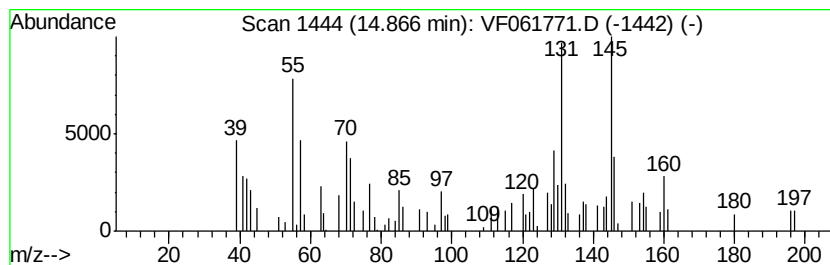
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Quant Title : SW846 8260

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

Peak Number 9 unknown14.87 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	5.43 ug/l	42877	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,5-Trisilacyclohexane, 1-methyl-	146	C4H14Si3	018148-11-3	47
2		1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	43
3		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	35
4		1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	001198-20-5	30
5		Naphthalen-1,4-imine, 1,2,3,4-te...	159	C11H13N	055257-99-3	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022719\
Data File : VF061771.D
Acq On : 27 Feb 2019 17:33
Operator : VA/AP
Sample : K1353-01
Misc : 9.44g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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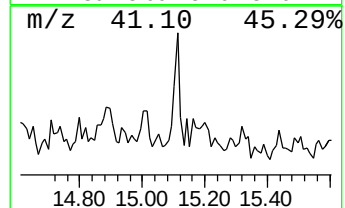
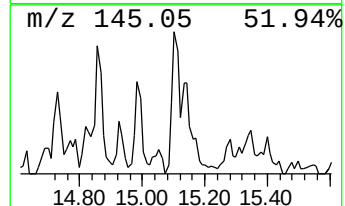
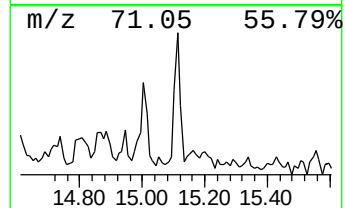
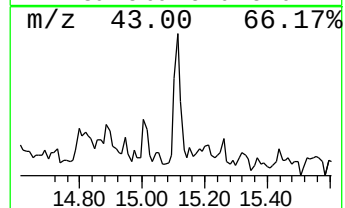
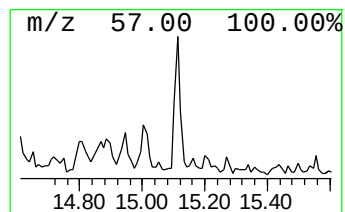
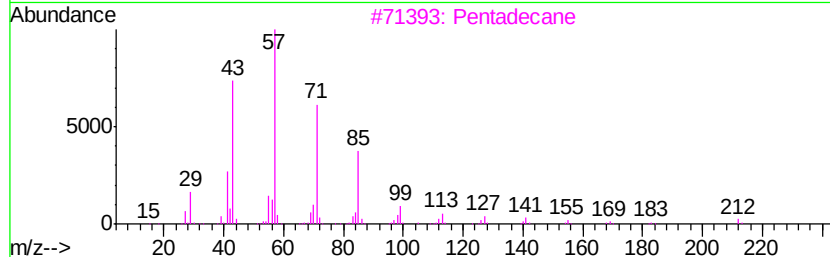
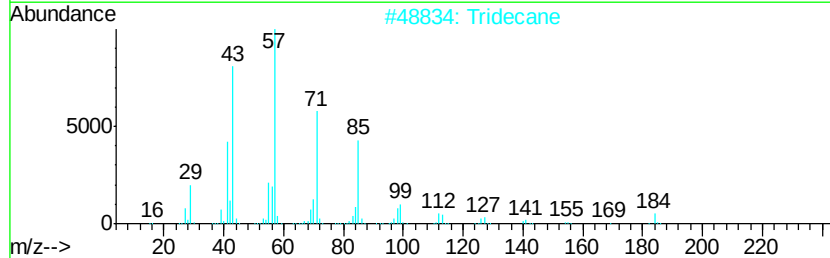
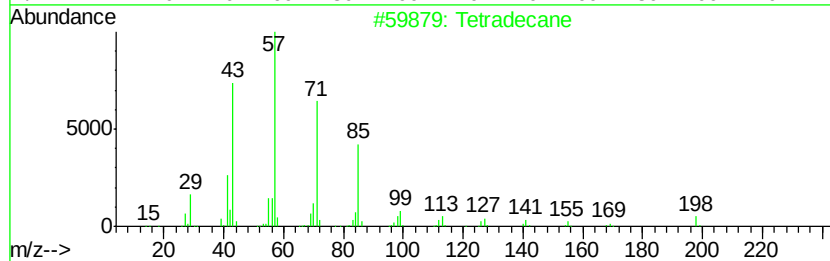
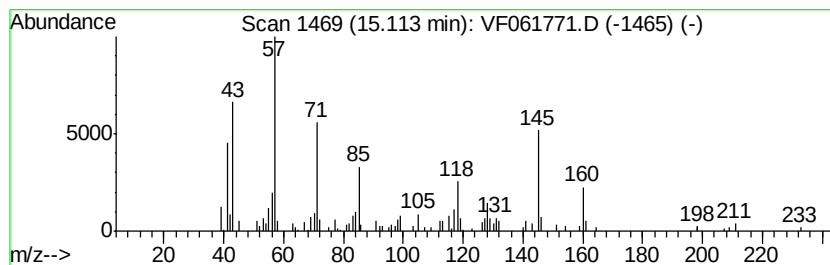
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Quant Title : SW846 8260

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

Peak Number 10 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	8.56 ug/l	67600	1,4-Dichlorobenzene-d4	12.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	89
2			Tridecane	184	C13H28	000629-50-5	38
3			Pentadecane	212	C15H32	000629-62-9	38
4			Tetratetracontane	619	C44H90	007098-22-8	38
5			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF022719\
Data File : VF061771.D
Acq On : 27 Feb 2019 17:33
Operator : VA/AP
Sample : K1353-01
Misc : 9.44g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
PL-02-022619-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.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
Undecane	12.81	16.8	ug/l	132391	4	12.55	394828	50.0
Benzene, 4-ethyl-...	13.09	6.7	ug/l	52570	4	12.55	394828	50.0
Dodecane	13.70	16.0	ug/l	126259	4	12.55	394828	50.0
1H-Indene, 2,3-di...	13.84	14.9	ug/l	117940	4	12.55	394828	50.0
Naphthalene, 1,2,...	13.96	5.4	ug/l	42561	4	12.55	394828	50.0
1H-Inden-1-one, 2...	14.15	9.1	ug/l	72154	4	12.55	394828	50.0
Tridecane	14.45	10.2	ug/l	80246	4	12.55	394828	50.0
1H-Indene, 2,3-di...	14.73	7.5	ug/l	59147	4	12.55	394828	50.0
unknown14.87	14.87	5.4	ug/l	42877	4	12.55	394828	50.0
Tetradecane	15.11	8.6	ug/l	67600	4	12.55	394828	50.0