

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060600.D
 Acq On : 6 Nov 2018 7:40
 Operator : VA/AP
 Sample : J5777-01
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ST-PAULS

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\82F110218S.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	1.021	38	40	45	rVB	204013	478383	5.10%	0.400%
2	1.091	45	47	60	rVB	291749	1060806	11.32%	0.887%
3	1.426	78	81	95	rVB	160871	611024	6.52%	0.511%
4	1.771	108	116	127	rBV	1198430	4893075	52.19%	4.091%
5	1.998	136	139	153	rVB2	123488	480974	5.13%	0.402%
6	2.185	153	158	161	rBV	78357	208488	2.22%	0.174%
7	2.383	170	178	185	rVB2	148840	541799	5.78%	0.453%
8	3.330	268	274	290	rVB	291987	990936	10.57%	0.829%
9	3.754	306	317	321	rBV3	128069	563874	6.01%	0.471%
10	3.833	321	325	338	rVV	229882	764327	8.15%	0.639%
11	4.020	338	344	350	rVV2	109526	354481	3.78%	0.296%
12	4.346	372	377	386	rVV	98633	371618	3.96%	0.311%
13	4.513	386	394	402	rVV2	51364	229369	2.45%	0.192%
14	4.652	402	408	421	rVB2	175833	864153	9.22%	0.723%
15	4.869	424	430	439	rBV2	137229	500003	5.33%	0.418%
16	5.362	472	480	486	rVV	226849	850218	9.07%	0.711%
17	5.470	486	491	500	rVV	194152	710033	7.57%	0.594%
18	5.608	500	505	515	rVV	172686	653181	6.97%	0.546%
19	6.299	564	575	588	rBV	2505439	9375173	100.00%	7.839%
20	6.605	601	606	610	rVV	81252	242079	2.58%	0.202%
21	6.832	624	629	640	rVB	85153	281114	3.00%	0.235%
22	7.068	640	653	661	rBV2	217348	638770	6.81%	0.534%
23	7.492	691	696	700	rBV	147184	336520	3.59%	0.281%
24	7.571	700	704	707	rVV	123186	302526	3.23%	0.253%
25	7.640	707	711	720	rVV	277618	650415	6.94%	0.544%
26	8.982	840	847	852	rBV2	86280	235290	2.51%	0.197%
27	9.130	857	862	870	rVB3	139136	408771	4.36%	0.342%
28	9.298	873	879	884	rVB	105070	266729	2.85%	0.223%
29	9.781	924	928	932	rBV	134709	305237	3.26%	0.255%
30	9.909	936	941	946	rVB2	343562	790290	8.43%	0.661%
31	10.146	960	965	970	rVB	415505	865628	9.23%	0.724%
32	10.679	1016	1019	1021	rBV	214335	424938	4.53%	0.355%
33	10.718	1021	1023	1028	rVB	275419	535619	5.71%	0.448%
34	10.846	1033	1036	1044	rVB4	85322	248556	2.65%	0.208%

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35	11.053	1052	1057	1060	rBV3	100777	287876	3.07%	0.241%
36	11.132	1060	1065	1067	rBV2	217465	427709	4.56%	0.358%
37	11.172	1067	1069	1071	rVB	243192	327645	3.49%	0.274%
38	11.280	1071	1080	1084	rVB2	392628	941525	10.04%	0.787%
39	11.438	1089	1096	1100	rBV6	75100	294730	3.14%	0.246%
40	11.566	1105	1109	1111	rBV	262246	469310	5.01%	0.392%
41	11.665	1117	1119	1122	rVB	980251	1352684	14.43%	1.131%
42	11.724	1122	1125	1129	rVB	747752	1475222	15.74%	1.234%
43	11.833	1133	1136	1140	rVB	580200	942380	10.05%	0.788%
44	11.961	1145	1149	1151	rBV2	167854	326910	3.49%	0.273%
45	12.010	1151	1154	1155	rBV	439497	806877	8.61%	0.675%
46	12.079	1159	1161	1166	rVB4	109795	224517	2.39%	0.188%
47	12.158	1166	1169	1172	rBV2	260341	521547	5.56%	0.436%
48	12.217	1172	1175	1179	rVB	1938316	3043251	32.46%	2.545%
49	12.296	1179	1183	1187	rBV	4057900	6523592	69.58%	5.455%
50	12.395	1189	1193	1195	rBV	446032	807629	8.61%	0.675%
51	12.434	1195	1197	1199	rBV2	369473	525213	5.60%	0.439%
52	12.464	1199	1200	1206	rVB	636504	874858	9.33%	0.732%
53	12.543	1206	1208	1211	rBV	464048	668612	7.13%	0.559%
54	12.622	1211	1216	1219	rBV	1202361	2000988	21.34%	1.673%
55	12.730	1224	1227	1230	rBV2	698531	1402256	14.96%	1.173%
56	12.780	1230	1232	1234	rBV	659276	985729	10.51%	0.824%
57	12.829	1234	1237	1243	rVB3	2379041	5081409	54.20%	4.249%
58	12.947	1243	1249	1251	rBV2	646723	1318553	14.06%	1.103%
59	13.016	1254	1256	1259	rVB2	670738	1050162	11.20%	0.878%
60	13.086	1259	1263	1269	rBV4	992242	3043268	32.46%	2.545%
61	13.164	1269	1271	1273	rBV	909262	1323077	14.11%	1.106%
62	13.214	1273	1276	1277	rBV2	256795	366406	3.91%	0.306%
63	13.303	1283	1285	1288	rBV3	407020	763964	8.15%	0.639%
64	13.352	1288	1290	1292	rVV2	465434	682621	7.28%	0.571%
65	13.391	1292	1294	1296	rVB2	743812	911382	9.72%	0.762%
66	13.431	1296	1298	1302	rBV2	867185	1274117	13.59%	1.065%
67	13.500	1302	1305	1308	rBV2	970088	1303761	13.91%	1.090%
68	13.549	1308	1310	1312	rBV	943425	1318073	14.06%	1.102%
69	13.589	1312	1314	1316	rVB	439723	576928	6.15%	0.482%
70	13.717	1324	1327	1331	rBV2	3901736	6001279	64.01%	5.018%
71	13.766	1331	1332	1335	rVB3	392281	594206	6.34%	0.497%

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72	13.825	1335	1338	1339	rBV	446415	677756	7.23%	0.567%
73	13.855	1339	1341	1346	rVB3	2008447	3935355	41.98%	3.291%
74	13.924	1346	1348	1351	rVB2	825629	1288289	13.74%	1.077%
75	13.983	1351	1354	1356	rBV2	1326380	1916509	20.44%	1.603%
76	14.092	1360	1365	1367	rBV	573531	1467784	15.66%	1.227%
77	14.161	1367	1372	1376	rBV6	1152792	3195003	34.08%	2.672%
78	14.220	1376	1378	1382	rVB2	968431	1403138	14.97%	1.173%
79	14.279	1382	1384	1385	rBV2	263812	222351	2.37%	0.186%
80	14.309	1385	1387	1390	rVB	800309	969619	10.34%	0.811%
81	14.368	1390	1393	1395	rVB4	214868	303402	3.24%	0.254%
82	14.417	1395	1398	1401	rBV3	752669	1368246	14.59%	1.144%
83	14.467	1401	1403	1406	rBV2	2830512	3554243	37.91%	2.972%
84	14.565	1411	1413	1415	rVV3	371355	568956	6.07%	0.476%
85	14.605	1415	1417	1420	rVB2	560526	831728	8.87%	0.695%
86	14.753	1429	1432	1436	rVB	1830970	2935609	31.31%	2.455%
87	14.831	1436	1440	1442	rBV3	333930	806811	8.61%	0.675%
88	14.881	1442	1445	1446	rBV2	409091	627489	6.69%	0.525%
89	14.960	1451	1453	1455	rVB2	313839	366886	3.91%	0.307%
90	15.009	1455	1458	1466	rVB3	1080951	2739689	29.22%	2.291%
91	15.127	1466	1470	1472	rBV2	2298331	3736708	39.86%	3.125%
92	15.177	1472	1475	1477	rVV3	522248	907554	9.68%	0.759%
93	15.285	1484	1486	1489	rVB2	331896	555312	5.92%	0.464%
94	15.344	1489	1492	1496	rVB3	370006	799442	8.53%	0.668%
95	15.571	1513	1515	1517	rVB3	177248	220409	2.35%	0.184%
96	15.650	1521	1523	1528	rVB	493789	981850	10.47%	0.821%
97	15.719	1528	1530	1534	rVB3	152552	270164	2.88%	0.226%
98	15.788	1534	1537	1539	rBV	366132	548595	5.85%	0.459%
99	15.828	1539	1541	1544	rVB2	171761	292854	3.12%	0.245%
100	15.946	1550	1553	1555	rBV3	119329	226078	2.41%	0.189%

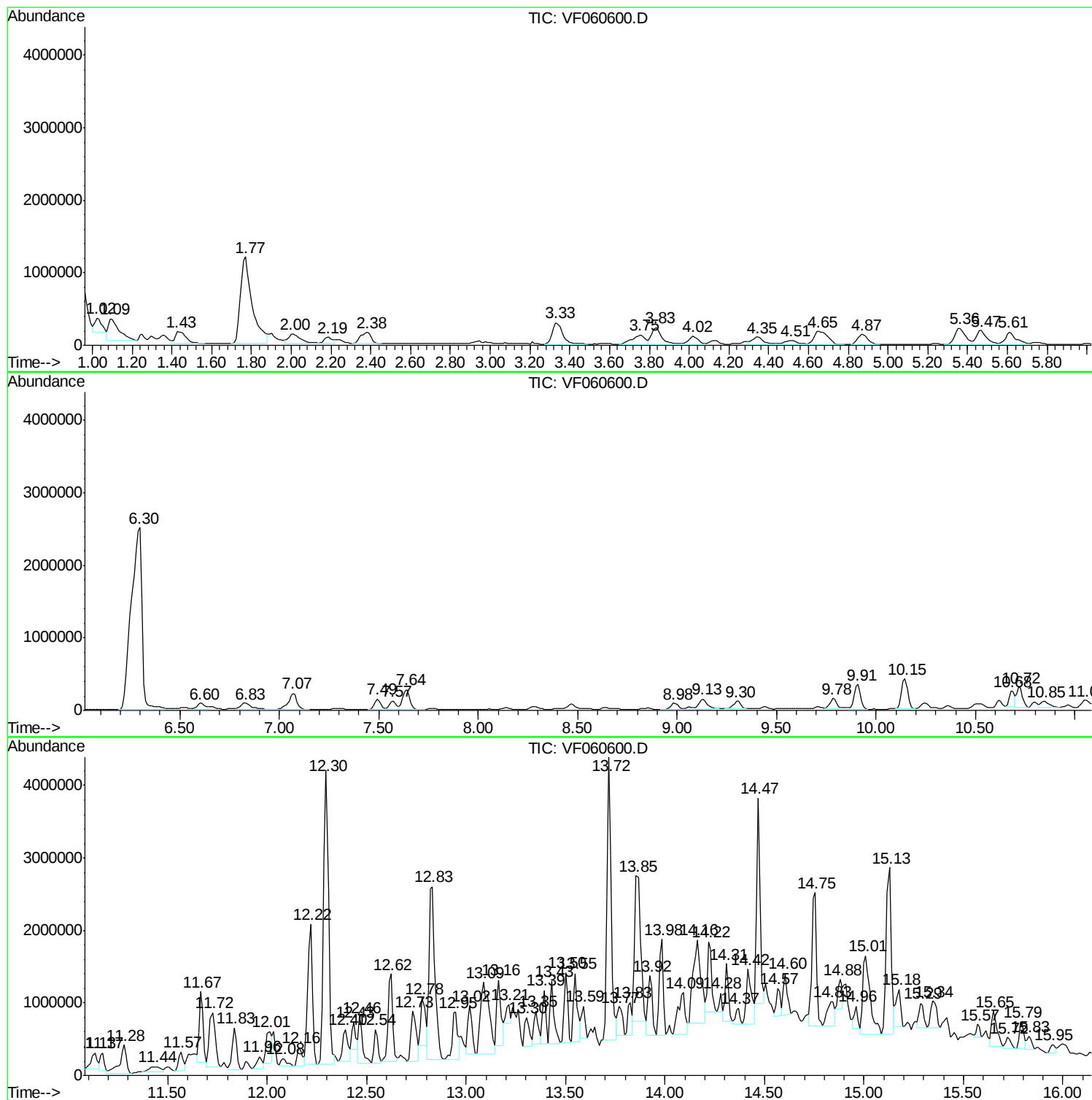
Sum of corrected areas: 119592492

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



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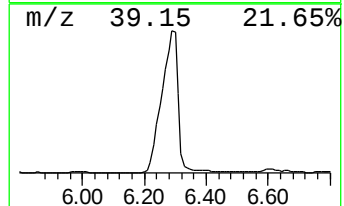
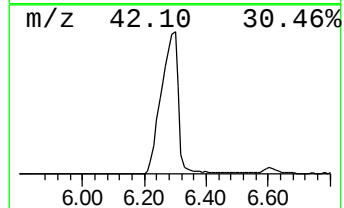
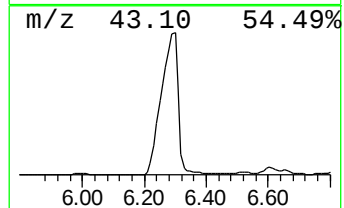
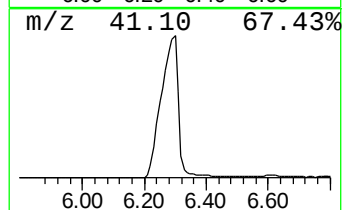
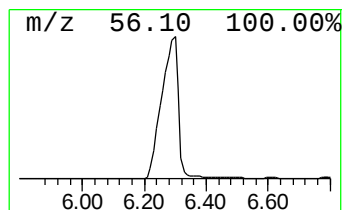
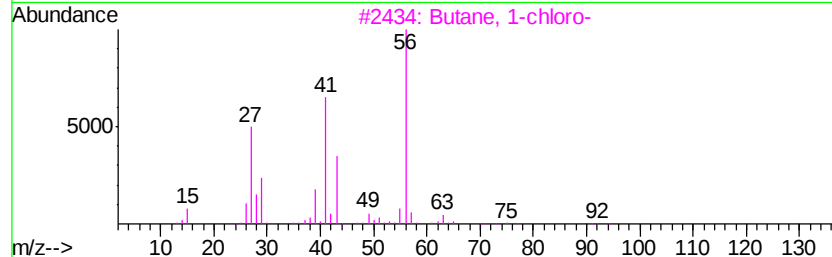
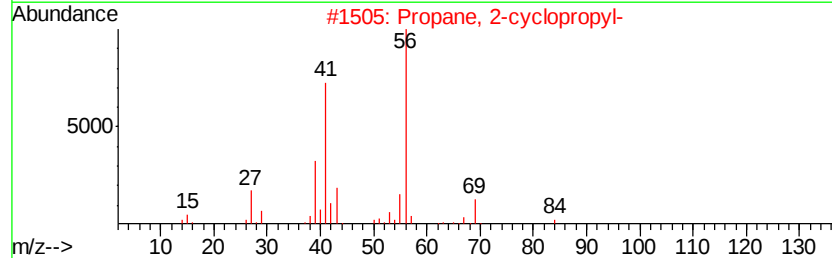
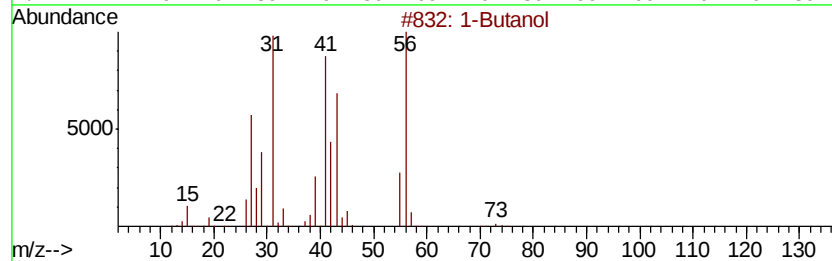
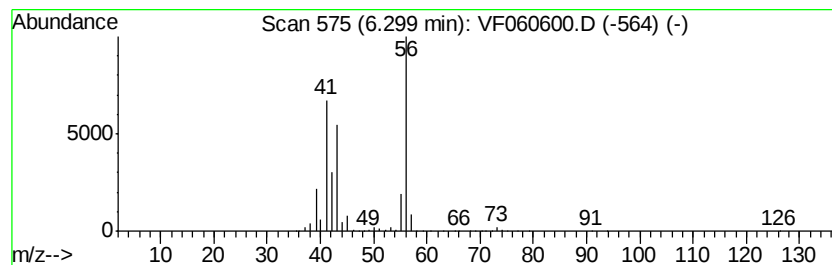
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Butanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	717.66 ug/l	9375170	1,4-Difluorobenzene	5.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Butanol	74	C4H10O	000071-36-3	91
2		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	36
3		Butane, 1-chloro-	92	C4H9Cl	000109-69-3	9
4		3-Butenoic acid, 2-amino-	101	C4H7NO2	056512-51-7	9
5		Oxetane, 3,3-dimethyl-	86	C5H10O	006921-35-3	9



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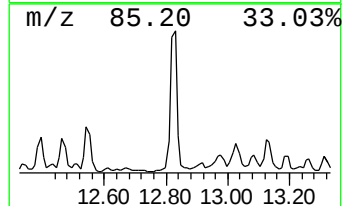
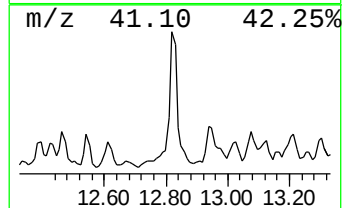
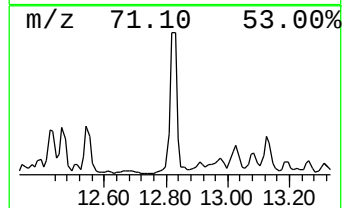
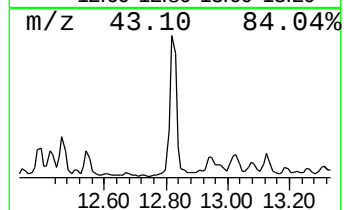
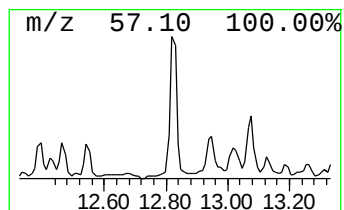
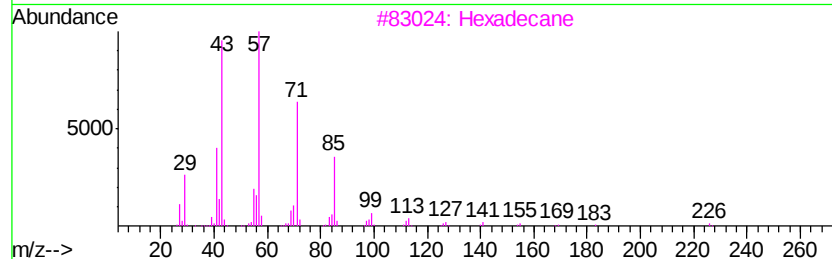
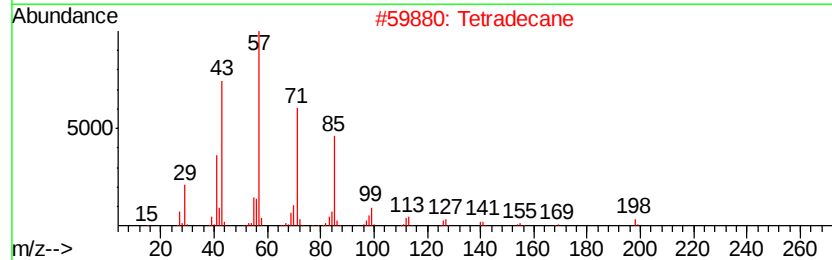
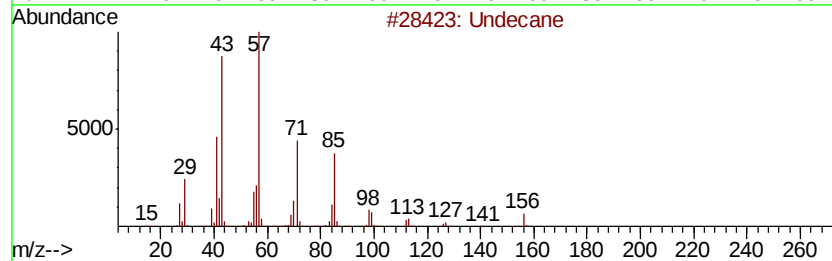
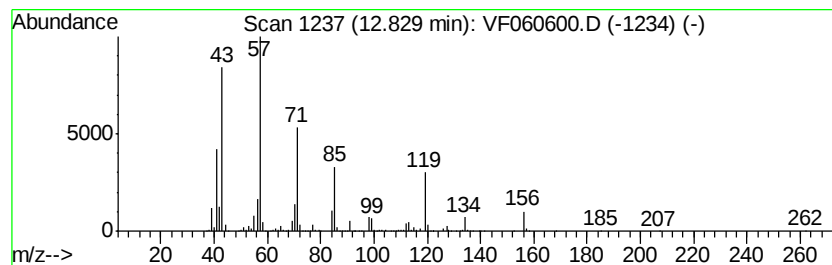
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 Peak Number 3 Undecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.83	380.00 ug/l	5081410	1,4-Dichlorobenzene-d4	12.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	92
2	Tetradecane	198	C14H30	000629-59-4	59
3	Hexadecane	226	C16H34	000544-76-3	58
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
5	Tridecane	184	C13H28	000629-50-5	53



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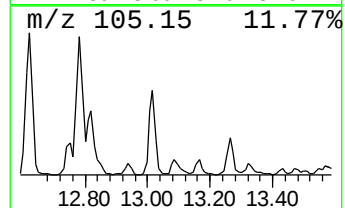
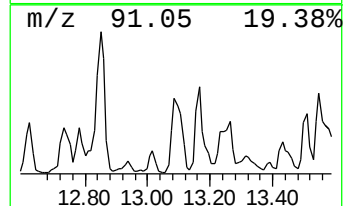
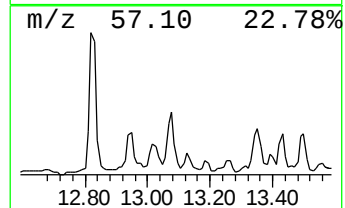
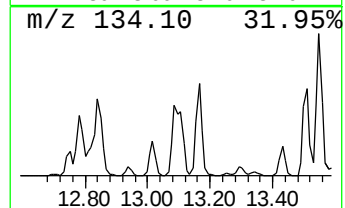
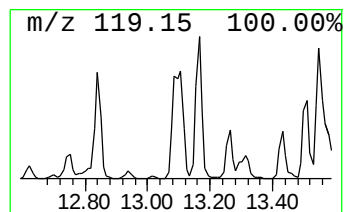
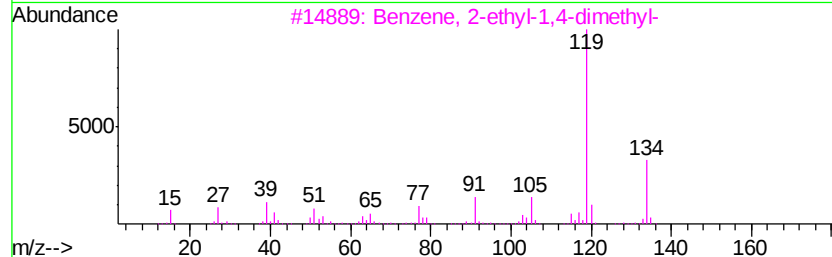
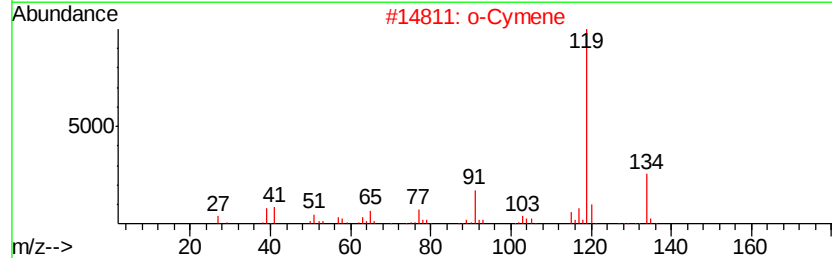
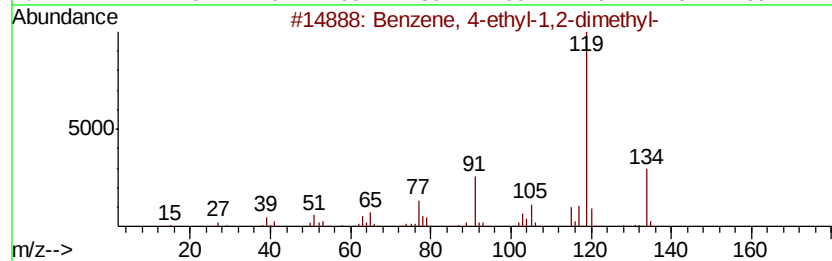
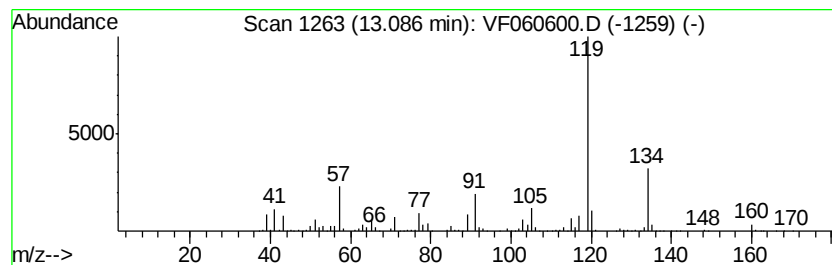
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TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	227.58 ug/l	3043270	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5		p-Cymene	134	C10H14	000099-87-6	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
Misc : 5.00/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

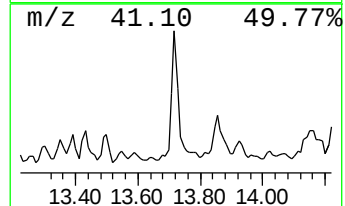
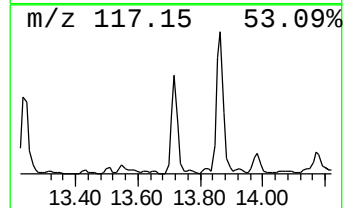
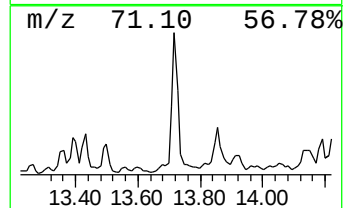
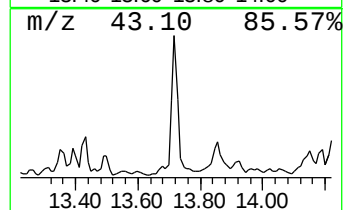
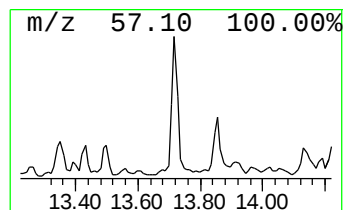
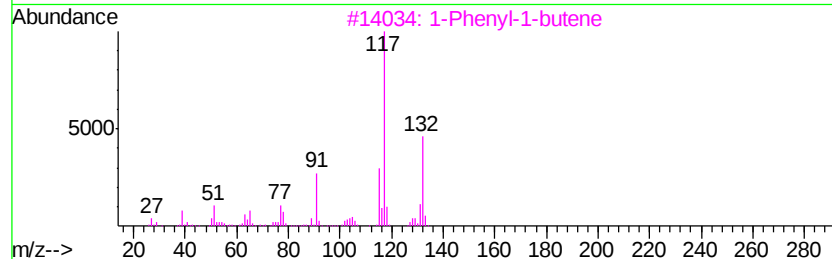
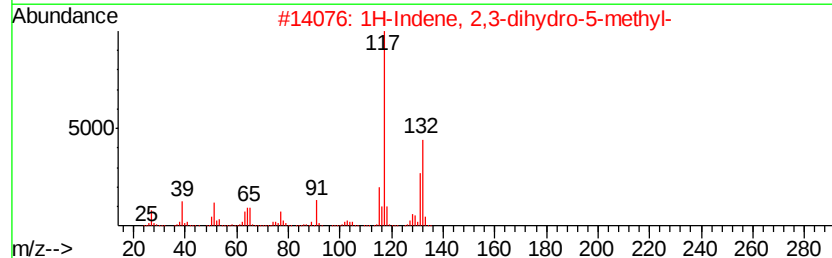
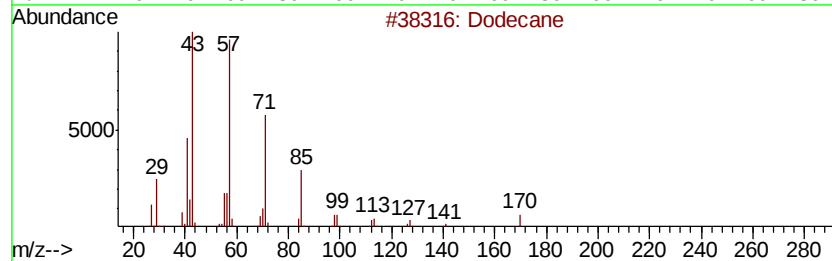
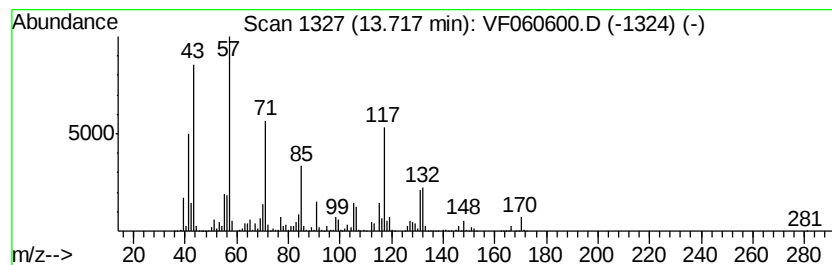
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Quant Title : SW846 8260

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

Peak Number 5 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	448.79 ug/l	6001280	1,4-Dichlorobenzene-d4	12.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane		170	C12H26	000112-40-3	94
2	1H-Indene, 2,3-dihydro-5-methyl-		132	C10H12	000874-35-1	38
3	1-Phenyl-1-butene		132	C10H12	000824-90-8	38
4	1H-Indene, 2,3-dihydro-2-methyl-		132	C10H12	000824-63-5	38
5	Nonane		128	C9H20	000111-84-2	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
Misc : 5.00/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

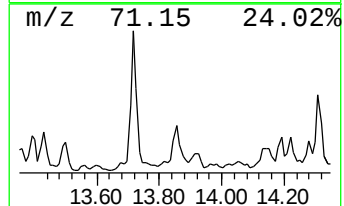
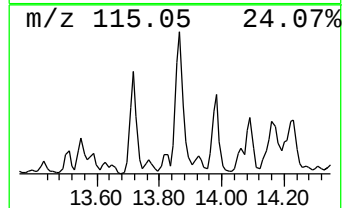
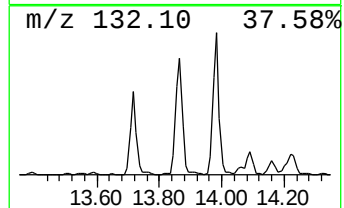
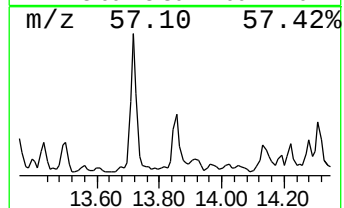
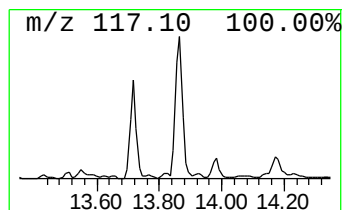
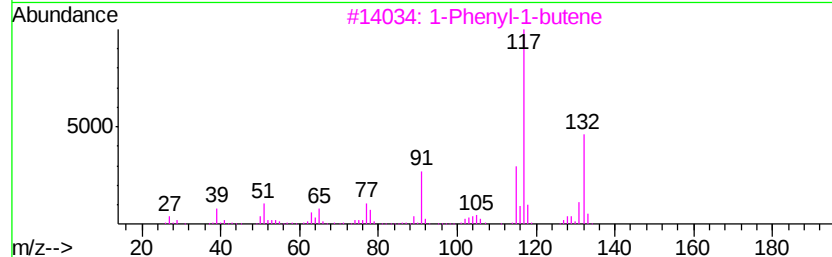
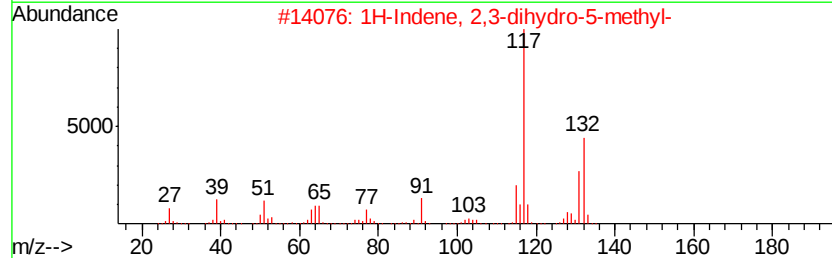
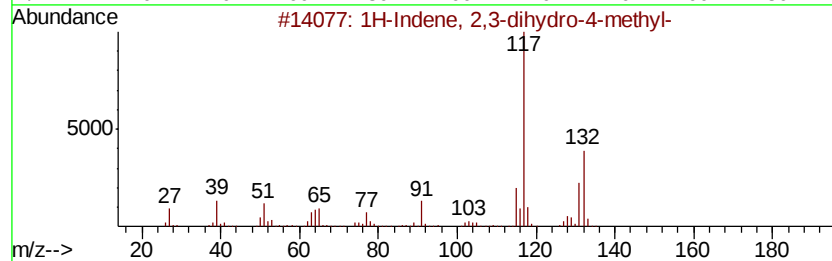
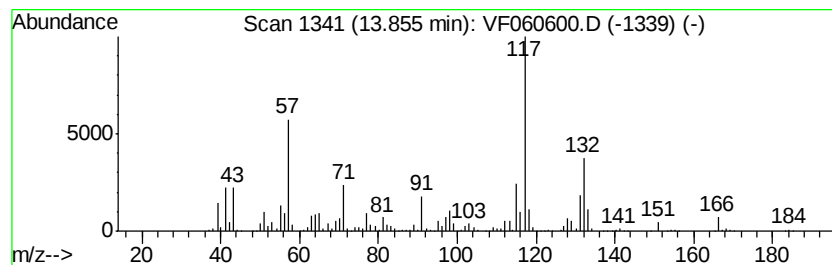
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	294.29 ug/l	3935360	1,4-Dichlorobenzene-d4	12.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5		Indan, 1-methyl-	132	C10H12	000767-58-8	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
Misc : 5.00/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

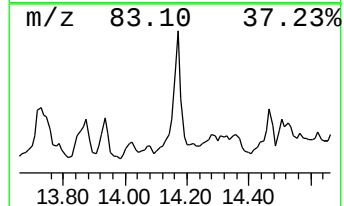
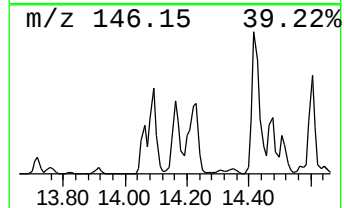
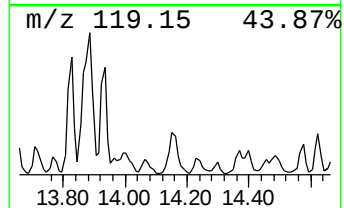
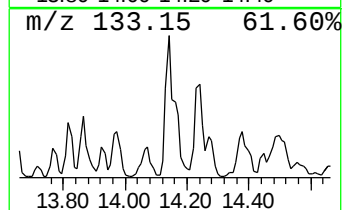
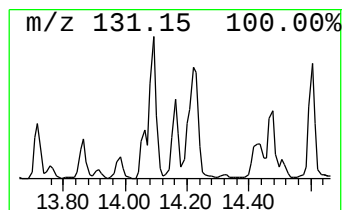
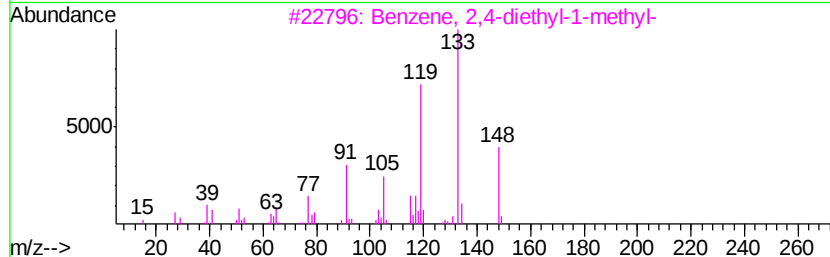
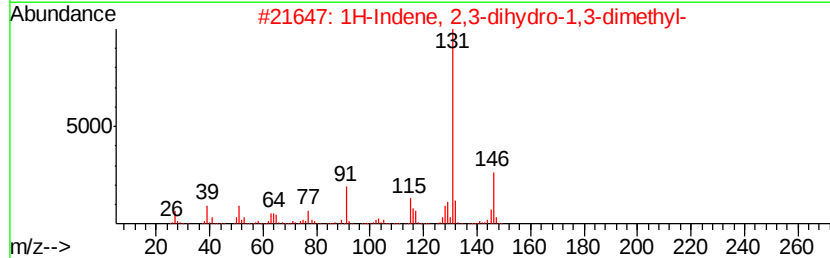
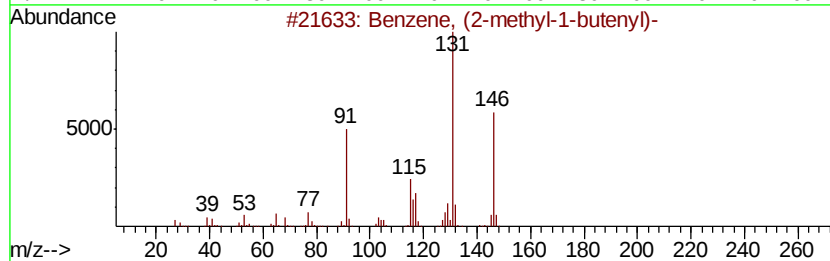
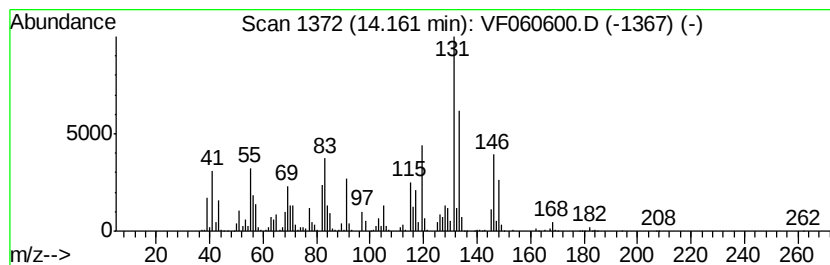
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	238.93 ug/l	3195000	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	70
4		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	60
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
Misc : 5.00/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

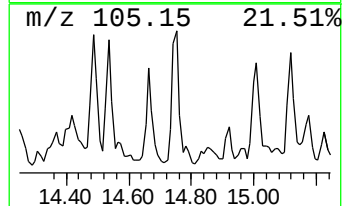
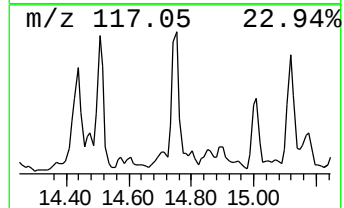
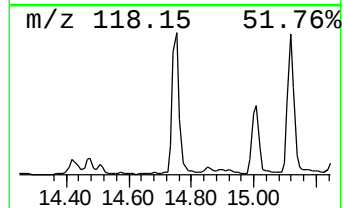
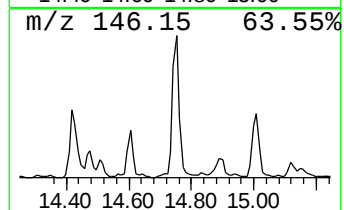
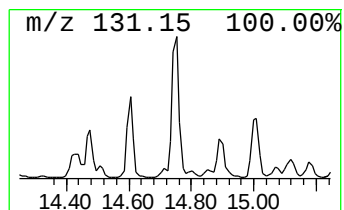
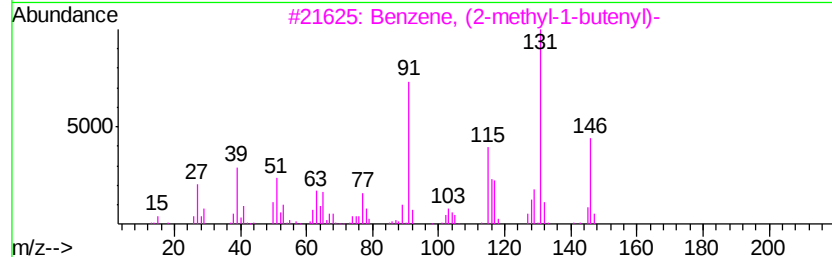
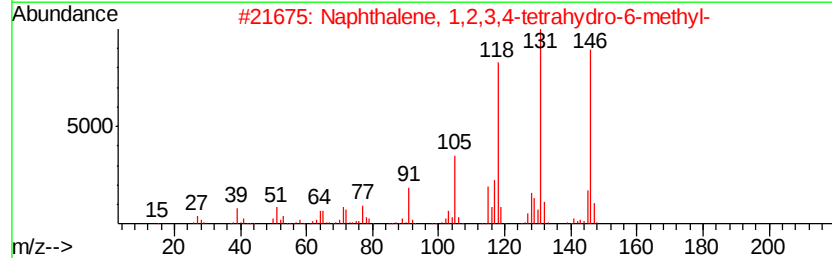
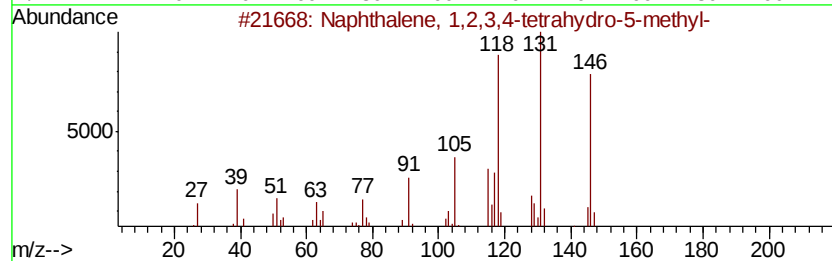
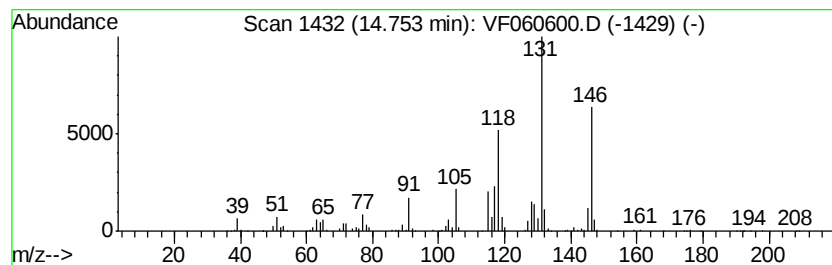
Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	219.53 ug/l	2935610	1,4-Dichlorobenzene-d4	12.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 97
2		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 94
3		Benzene, (2-methyl-1-butenvl)-	146 C11H14	056253-64-6 70
4		2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7 70
5		Benzene, 1-methyl-4-(1-methyl-2-...	146 C11H14	097664-18-1 70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
Misc : 5.00/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

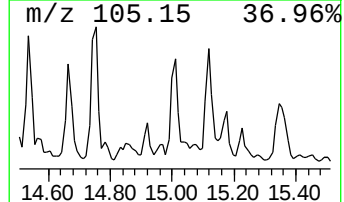
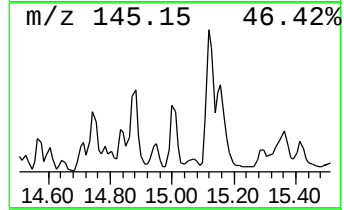
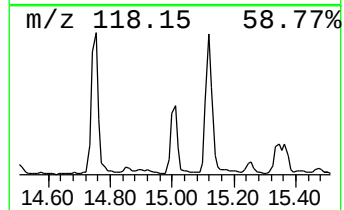
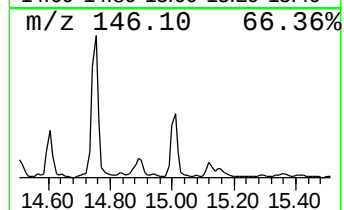
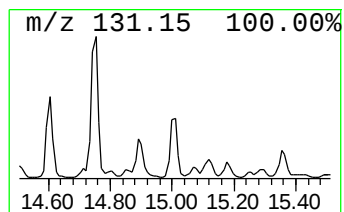
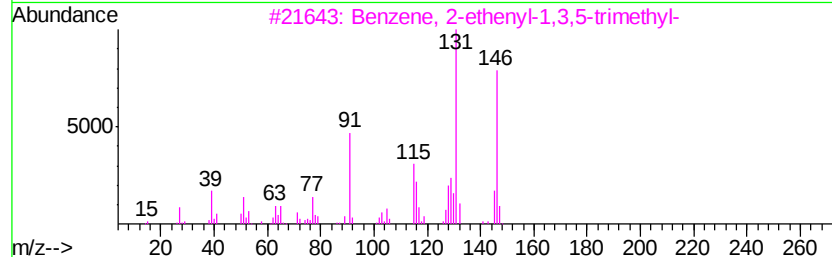
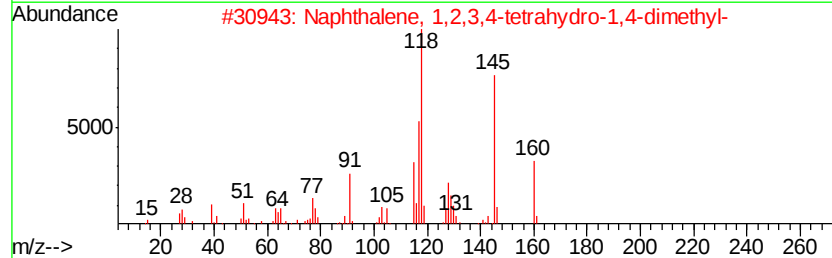
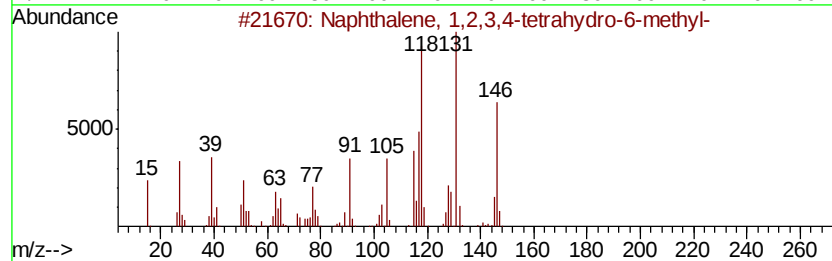
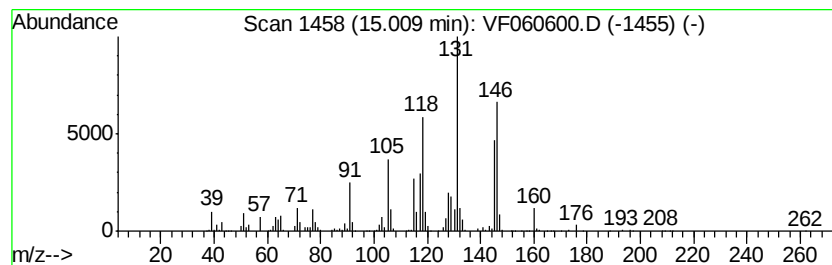
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	204.88 ug/l	2739690	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
3		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
5		1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
Misc : 5.00/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

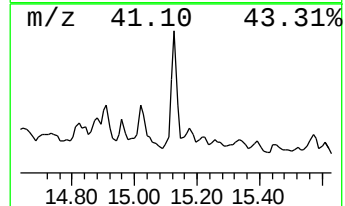
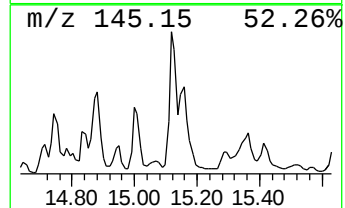
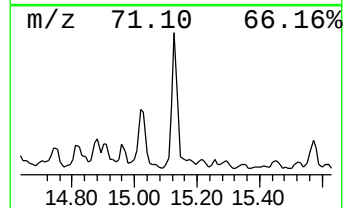
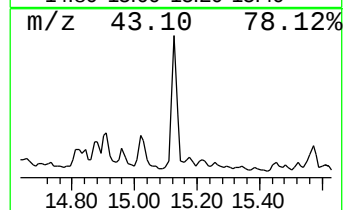
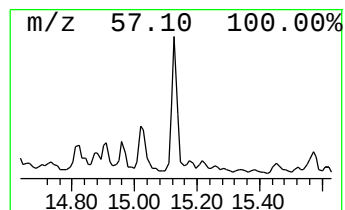
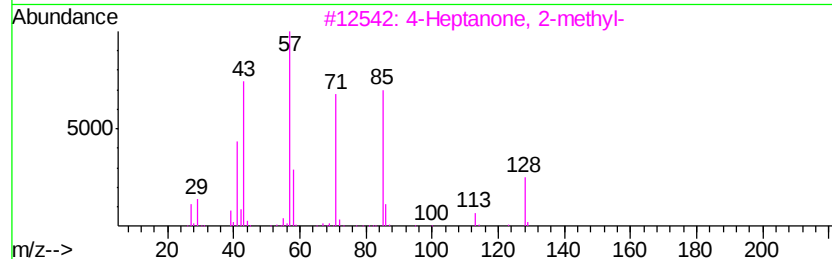
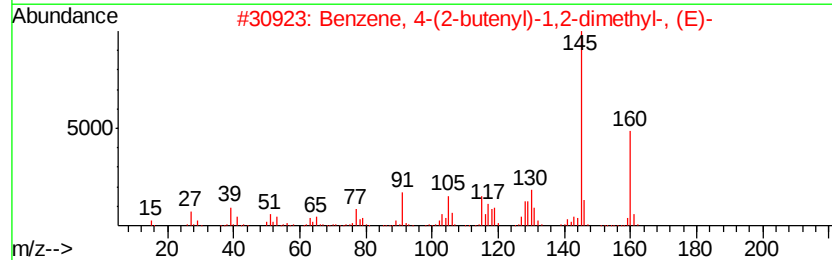
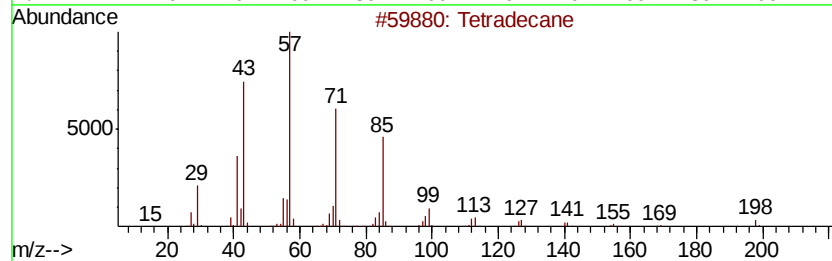
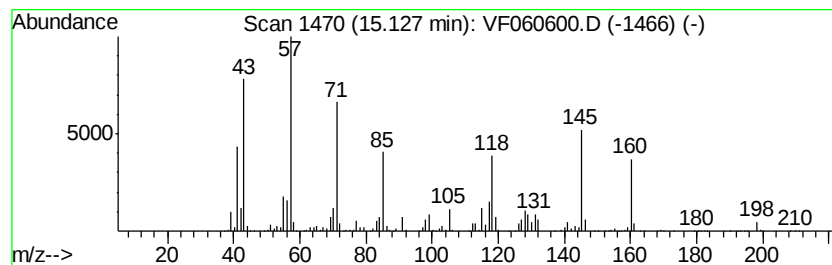
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Quant Title : SW846 8260

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.
15.13	279.44 ug/l	3736710	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	94
2		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	42
3		4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	38
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	38
5		Tridecane	184	C13H28	000629-50-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
Misc : 5.00/5mL/MSVOA-F/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.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-Butanol	6.30	717.7	ug/l	9375170	2	5.61	653181	50.0
Undecane	12.83	380.0	ug/l	5081410	4	12.56	668612	50.0
Benzene, 4-ethyl-...	13.09	227.6	ug/l	3043270	4	12.56	668612	50.0
Dodecane	13.72	448.8	ug/l	6001280	4	12.56	668612	50.0
1H-Indene, 2,3-di...	13.85	294.3	ug/l	3935360	4	12.56	668612	50.0
Benzene, (2-methy...	14.16	238.9	ug/l	3195000	4	12.56	668612	50.0
Naphthalene, 1,2,...	14.75	219.5	ug/l	2935610	4	12.56	668612	50.0
Naphthalene, 1,2,...	15.01	204.9	ug/l	2739690	4	12.56	668612	50.0
Tetradecane	15.13	279.4	ug/l	3736710	4	12.56	668612	50.0